wwPDB EM Validation Summary Report

Dec 9, 2022 – 04:01 AM JST

PDB ID	:	5Y6P
EMDB ID	:	EMD-6769
Title	:	Structure of the phycobilisome from the red alga Griffithsia pacifica
Authors	:	Zhang, J.; Ma, J.F.; Liu, D.S.; Sun, S.; Sui, S.F.
Deposited on	:	2017-08-13
Resolution	:	3.50 Å(reported)

This is a wwPDB EM Validation Summary Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

The following versions of software and data (see references ⓘ) were used in the production of this report:

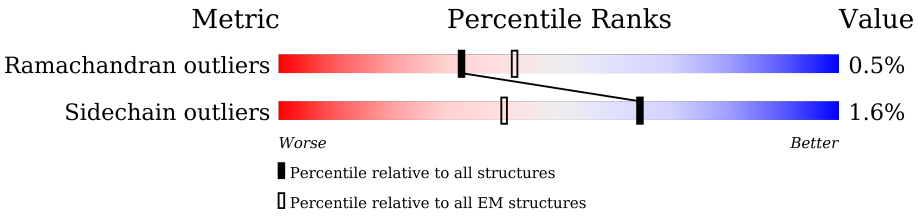
EMDB validation analysis	:	0.0.1.dev43
Mogul	:	1.8.5 (274361), CSD as541be (2020)
MolProbity	:	4.02b-467
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
MapQ	:	1.9.9
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.31.3

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 3.50 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)
Ramachandran outliers	154571	4023
Sidechain outliers	154315	3826

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion < 40%). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A1	260	81% 16%
1	B1	260	82% 15%
2	C1	192	6% 74% 6% 20%
2	D1	192	6% 75% 20%
3	E1	307	79% 5% 16%
3	F1	307	79% 6% 16%
4	G1	161	84% 16%
4	I1	161	96%
4	K1	161	7% 94%

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Mol	Chain	Length	Quality of chain
4	N1	161	88% 11%
4	P1	161	88% 11%
4	R1	161	96%
4	T1	161	93% 6%
4	X1	161	5% 96%
4	Z1	161	9% 95%
4	b1	161	84% 15%
4	d1	161	89% 9%
4	f1	161	89% 10%
4	i1	161	95%
4	k1	161	90% 9%
4	o1	161	95%
4	q1	161	89% 10%
4	s1	161	79% 20%
4	u1	161	95%
4	w1	161	89% 9%
4	y1	161	79% 20%
5	H1	161	94% 6%
5	J1	161	94% 6%
5	L1	161	94% 6%
5	M1	161	5% 93% 7%
5	O1	161	91% 9%
5	S1	161	91% 9%
5	U1	161	92% 8%
5	W1	161	89% 11%

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Mol	Chain	Length	Quality of chain
5	Y1	161	94% 6%
5	a1	161	93% 7%
5	c1	161	95% 5%
5	e1	161	91% 9%
5	h1	161	5% 93% 7%
5	j1	161	89% 11%
5	l1	161	94% 6%
5	n1	161	91% 9%
5	p1	161	92% 8%
5	r1	161	91% 9%
5	t1	161	93% 7%
5	v1	161	91% 9%
5	x1	161	92% 8%
5	z1	161	93% 7%
6	Q1	174	91% 8%
6	g1	174	90% 9%
7	V1	161	7% 96%
7	m1	161	7% 96%
8	a2	885	7% 84% 6% 9%
8	b2	885	6% 84% 6% 9%
9	c2	93	89% 9%
9	d2	93	91% 6%
10	A3	164	7% 98%
10	A4	164	7% 96%
10	A5	164	51% 93% 7%

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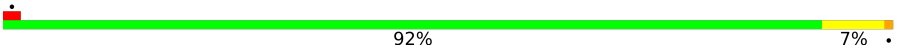
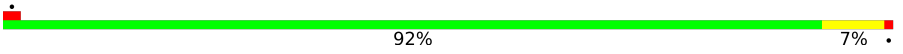
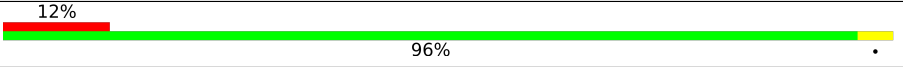
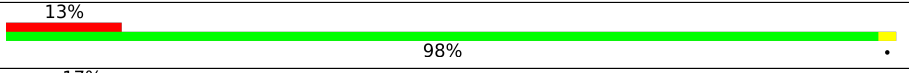
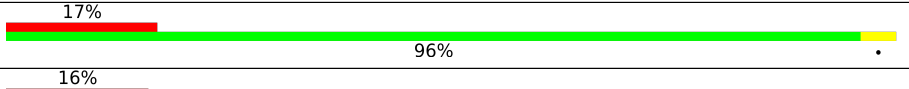
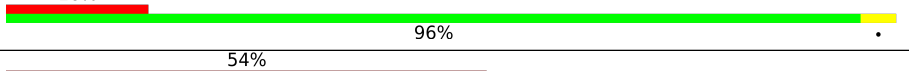
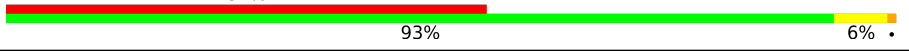
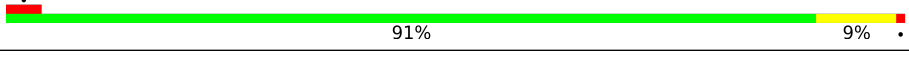
Mol	Chain	Length	Quality of chain
10	A6	164	
10	A7	164	
10	A9	164	
10	B8	164	
10	C3	164	
10	C4	164	
10	C5	164	
10	C6	164	
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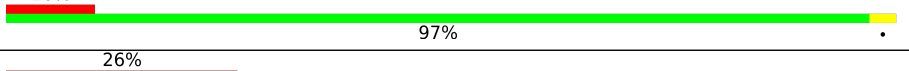
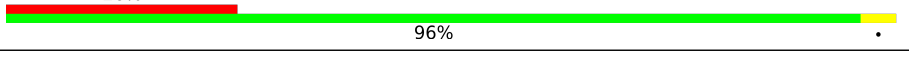
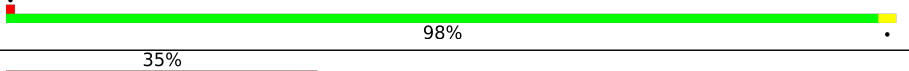
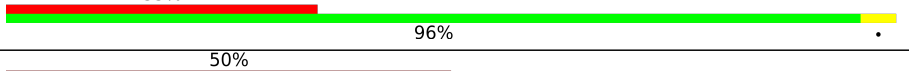
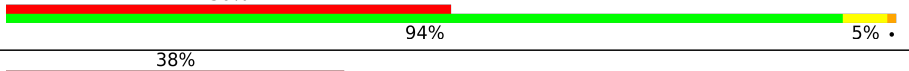
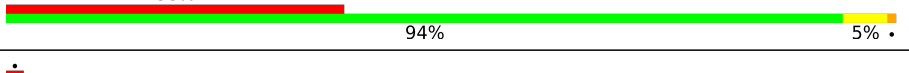
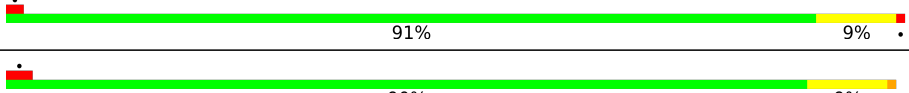
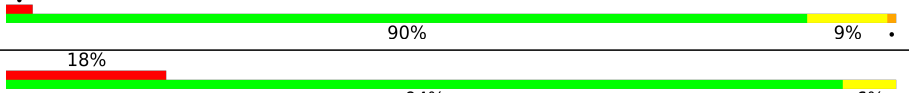
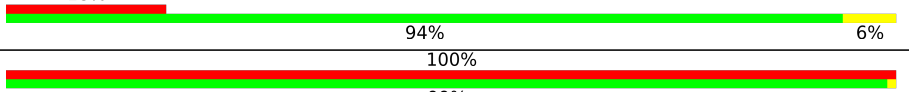
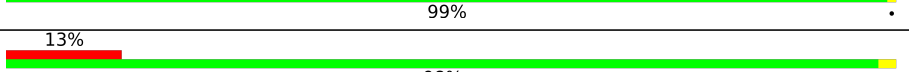
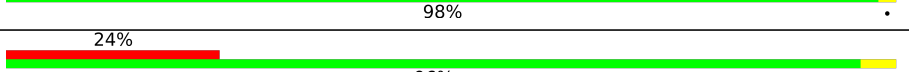
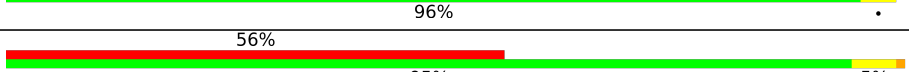
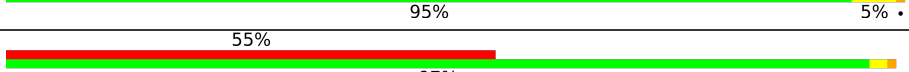
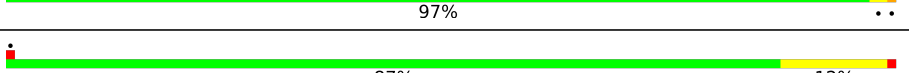
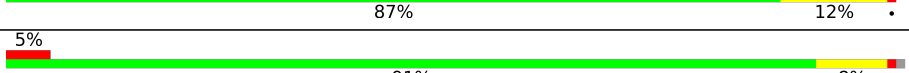
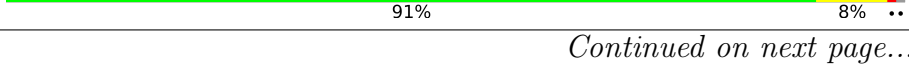
10	C9	164	
10	D8	164	
10	E2	164	
10	E3	164	
10	E4	164	
10	E5	164	
10	E6	164	
10	E7	164	
10	E9	164	
10	F8	164	
10	G2	164	
10	G3	164	
10	G4	164	
10	G5	164	
10	G6	164	
10	G7	164	

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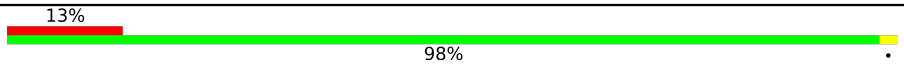
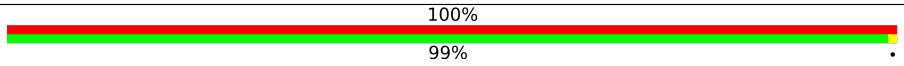
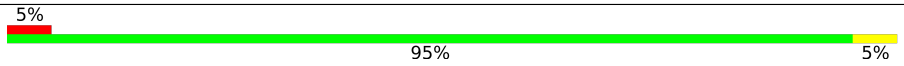
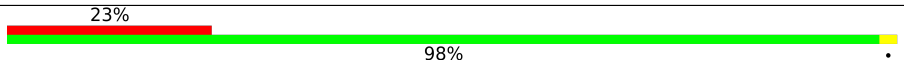
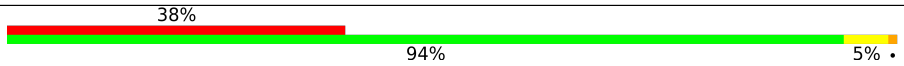
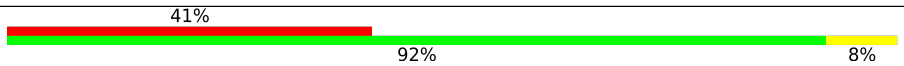
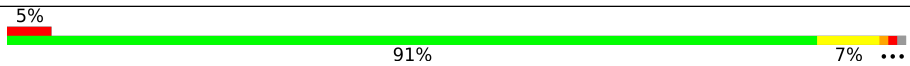
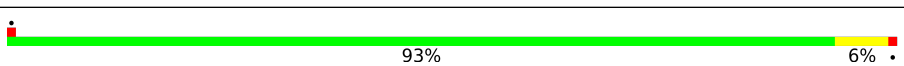
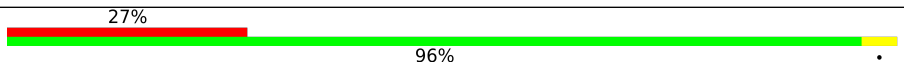
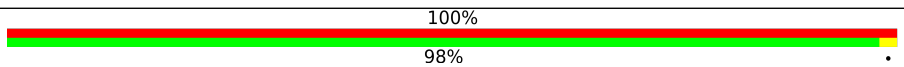
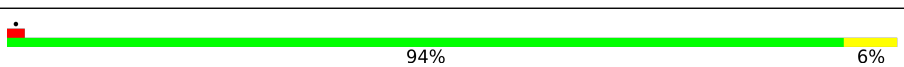
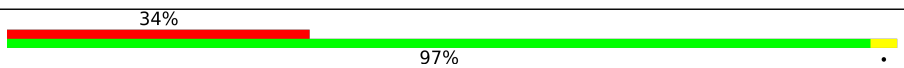
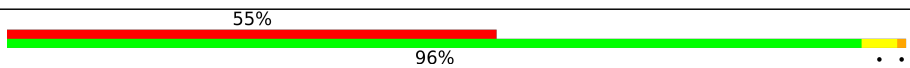
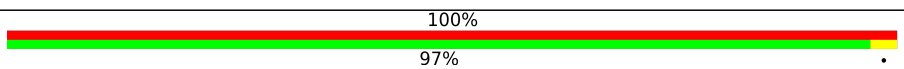
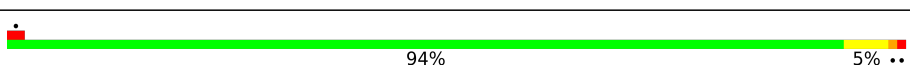
Mol	Chain	Length	Quality of chain
10	G9	164	
10	H8	164	
10	I2	164	
10	I3	164	
10	I4	164	
10	I5	164	
10	I6	164	
10	I7	164	
10	I9	164	
10	J8	164	
10	K2	164	
10	K3	164	
10	K4	164	
10	K5	164	
10	K6	164	
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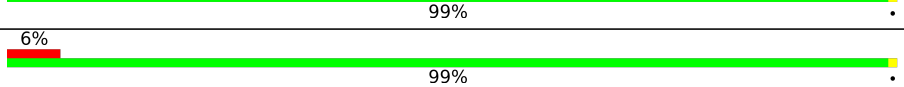
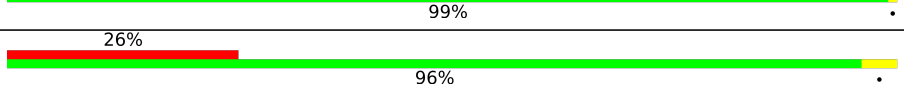
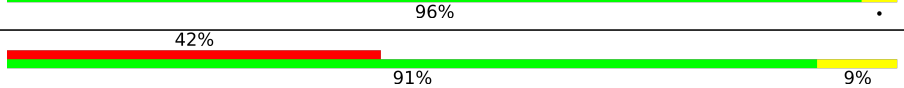
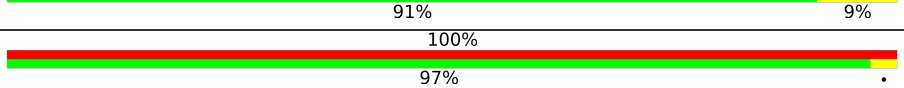
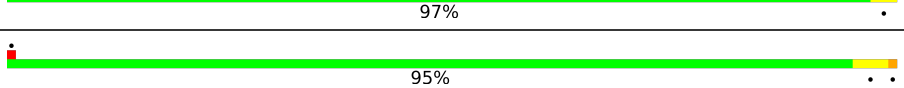
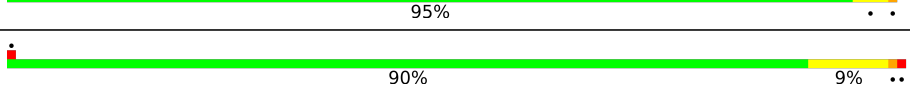
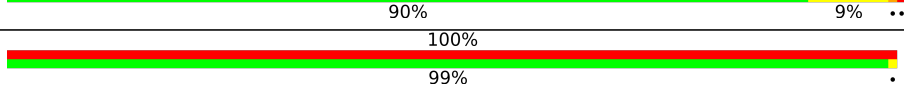
10	M2	164	
10	M3	164	
10	M4	164	
10	M5	164	
10	M6	164	
10	M7	164	
10	M9	164	

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Mol	Chain	Length	Quality of chain
10	N8	164	100% 99%
10	O2	164	9% 98%
10	O3	164	95% 98%
10	O4	164	100% 97%
10	O5	164	100% 97%
10	O6	164	92% 7%
10	O7	164	94% 5%
10	O9	164	100% 98%
10	P8	164	100% 99%
10	Q2	164	95% 5%
10	Q3	164	92% 97%
10	Q4	164	100% 97%
10	Q5	164	100% 97%
10	Q6	164	91% 8%
10	Q7	164	91% 8%
10	Q9	164	100% 99%
10	S2	164	8% 99%
10	S3	164	88% 97%
10	S4	164	100% 97%
10	S5	164	100% 97%
10	S6	164	92% 7%
10	S7	164	93% 6%
10	S9	164	100% 99%
10	U2	164	7% 97%
10	U3	164	95% 97%

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Mol	Chain	Length	Quality of chain
10	U4	164	100% 97%
10	U5	164	100% 96%
10	U6	164	5% 93% 6%
10	U7	164	93% 7%
10	U9	164	100% 99%
10	W2	164	95% 5%
10	W3	164	90% 97%
10	W4	164	100% 97%
10	W6	164	95%
10	W7	164	88% 11%
10	Y2	164	8% 99%
10	Y3	164	95% 97%
10	Y4	164	100% 96%
10	Y6	164	5% 96%
10	Y7	164	90% 9%
10	aA	164	9% 94% 6%
10	aC	164	5% 95% 5%
10	aE	164	93% 7%
10	aG	164	8% 96%
10	aI	164	5% 95% 5%
10	aK	164	83% 95% 5%
10	aM	164	87% 98%
10	aO	164	90% 97%
10	aQ	164	86% 96%
10	aS	164	90% 96%

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Mol	Chain	Length	Quality of chain
10	aU	164	87% 96%
10	am	164	5% 97%
10	ao	164	96%
10	aq	164	95% 5%
10	as	164	93% 7%
10	au	164	96%
10	aw	164	5% 97%
10	ay	164	24% 96%
10	bA	164	9% 95% 5%
10	bC	164	92% 7%
10	bE	164	90% 9%
10	bG	164	8% 95% 5%
10	bI	164	95% 5%
10	bK	164	83% 93% 5%
10	bM	164	86% 95% 5%
10	bO	164	90% 96%
10	bQ	164	87% 96%
10	bS	164	90% 96%
10	bU	164	87% 95% 5%
10	bm	164	91% 9%
10	bt	164	91% 9%
10	bu	164	95% 5%
10	bv	164	93% 7%
10	bw	164	93% 7%
10	bx	164	96%

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Mol	Chain	Length	Quality of chain
10	by	164	95% 5%
10	cA	164	21% 96%
10	cC	164	44% 95%
10	cD	164	59% 96%
10	cG	164	35% 98%
10	cI	164	16% 97%
10	cK	164	33% 96%
10	cS	164	35% 95% 5%
10	cT	164	34% 97%
10	cU	164	16% 98%
10	cV	164	49% 97%
10	cW	164	22% 95% 5%
10	cX	164	62% 98%
10	cZ	164	82% 96%
10	cm	164	89% 10%
10	ct	164	89% 10%
10	cu	164	93% 6%
10	cv	164	92% 7%
10	cw	164	93% 7%
10	cx	164	95% 5%
10	cy	164	94% 6%
10	dA	164	87% 13%
10	dC	164	5% 98%
10	dE	164	98%
10	dG	164	96%

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Mol	Chain	Length	Quality of chain
10	dI	164	98%
10	dJ	164	92% 8%
10	dM	164	98%
10	dO	164	93% 7%
10	dQ	164	5% 97%
10	dS	164	98%
10	dU	164	5% 96%
10	dW	164	93% 7%
10	dZ	164	9% 97%
10	da	164	88% 97%
10	db	164	92% 95% 5%
10	dc	164	86% 96%
10	de	164	86% 96%
10	dg	164	91% 97%
10	dk	164	91% 96%
10	dm	164	87% 98%
10	do	164	87% 97%
10	dq	164	87% 97%
10	ds	164	91% 97%
10	du	164	85% 98%
10	e2	164	35% 96%
10	e3	164	98%
10	eA	164	11% 96%
10	eC	164	7% 95%
10	eE	164	13% 96%

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Mol	Chain	Length	Quality of chain
10	eG	164	16% 92% 8%
10	eI	164	10% 96%
10	eK	164	11% 95% 5%
10	eM	164	12% 92% 8%
10	eO	164	14% 96%
10	eQ	164	6% 95%
10	eS	164	12% 95% 5%
10	eU	164	13% 96%
10	eW	164	12% 95% 5%
10	ea	164	16% 98%
10	ed	164	15% 97%
10	ef	164	9% 95% 5%
10	eh	164	7% 98%
10	ej	164	20% 96%
10	ek	164	8% 96%
10	em	164	15% 97%
10	eo	164	10% 97%
10	eq	164	7% 98%
10	es	164	20% 98%
10	eu	164	17% 98%
10	f6	164	12% 92% 7%
10	f7	164	5% 94% 5%
10	fb	164	97% 95%
10	fe	164	99% 95%
10	fg	164	98% 94% 5%

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Mol	Chain	Length	Quality of chain
10	fh	164	96% 95%
10	fk	164	98% 95%
10	fl	164	95% 94% 5%
10	fn	164	99% 93% 7%
10	fp	164	98% 95% 5%
10	fr	164	99% 95% 5%
10	ft	164	97% 96%
10	fv	164	97% 96%
10	fx	164	96% 96%
10	g2	164	23% 96%
10	g3	164	13% 98%
10	g6	164	5% 93% 7%
10	g7	164	11% 95% 5%
10	gb	164	95% 5%
10	gc	164	96%
10	gf	164	96%
10	gh	164	93% 6%
10	gj	164	95%
10	gl	164	96%
10	gm	164	90% 10%
10	go	164	95% 5%
10	gq	164	92% 8%
10	gs	164	95% 5%
10	gu	164	97%
10	gw	164	96%

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Mol	Chain	Length	Quality of chain
10	h6	164	5% 94% 5%
10	h7	164	8% 92% 7%
10	hA	164	96% 96%
10	hC	164	97% 96%
10	hE	164	97% 97%
10	hF	164	97% 97%
10	hI	164	99% 97%
10	hK	164	96% 97%
10	hM	164	98% 97%
10	hO	164	98% 97%
10	hQ	164	98% 97%
10	hS	164	98% 96%
10	hU	164	98% 97%
10	hW	164	97% 97%
10	i2	164	23% 98%
10	i3	164	94% 6%
10	i6	164	10% 97%
10	i7	164	7% 88% 12%
10	i8	164	98% 95%
10	iA	164	91% 8%
10	iB	164	93% 7%
10	j6	164	7% 89% 10%
10	j7	164	91% 8%
10	j8	164	93% 98%
10	k2	164	33% 97%

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Mol	Chain	Length	Quality of chain
10	k3	164	94% 6%
10	k6	164	24% 93% 6%
10	k7	164	21% 91% 8%
10	k8	164	88% 95% 5%
10	l8	164	96% 96%
10	la	164	16% 87% 12%
10	lc	164	51% 96%
10	le	164	32% 95% 5%
10	lg	164	29% 95% 5%
10	li	164	47% 92% 8%
10	lk	164	30% 96%
10	lm	164	49% 97%
10	lo	164	35% 96%
10	lq	164	18% 93% 7%
10	ls	164	30% 96%
10	lu	164	32% 96%
10	lw	164	46% 94% 6%
10	m2	164	26% 97%
10	m3	164	5% 96%
10	m4	164	10% 91% 8%
10	m5	164	9% 91% 9%
10	m6	164	28% 96%
10	m7	164	24% 92% 7%
10	m8	164	96% 95%
10	m9	164	5% 97%

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Mol	Chain	Length	Quality of chain
10	o2	164	95% 98%
10	o3	164	10% 98%
10	o4	164	32% 97%
10	o5	164	33% 96%
10	o6	164	21% 91% 8%
10	o7	164	25% 94% 5%
10	o9	164	96%
10	q2	164	92% 98%
10	q3	164	95% 5%
10	q4	164	16% 91% 8%
10	q5	164	16% 91% 8%
10	q6	164	32% 96%
10	q7	164	21% 93% 6%
10	q8	164	93% 93% 5%
10	q9	164	95% 5%
10	r8	164	96% 94% 5%
10	s2	164	87% 98%
10	s3	164	9% 98%
10	s4	164	10% 91% 8%
10	s5	164	10% 92% 7%
10	s6	164	19% 93% 6%
10	s7	164	25% 92% 7%
10	s8	164	96% 95% 5%
10	s9	164	93% 7%
10	t8	164	96% 93% 7%

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Mol	Chain	Length	Quality of chain
10	u2	164	95% 98%
10	u3	164	7% 96%
10	u4	164	37% 93% 7%
10	u5	164	38% 93% 7%
10	u6	164	26% 94% 5%
10	u7	164	16% 95% 5%
10	u8	164	87% 95% 5%
10	u9	164	95% 5%
10	v8	164	13% 96%
10	w2	164	90% 98%
10	w3	164	95% 5%
10	w4	164	20% 95% 5%
10	w5	164	20% 95% 5%
10	w6	164	96% 97%
10	w7	164	92% 95% 5%
10	w9	164	97%
10	x8	164	11% 98%
10	y2	164	95% 98%
10	y3	164	6% 99%
10	y4	164	29% 92% 8%
10	y5	164	29% 91% 9%
10	y9	164	25% 96%
10	z8	164	20% 95% 5%
11	A8	177	20% 95% 5%
11	B3	177	7% 97%

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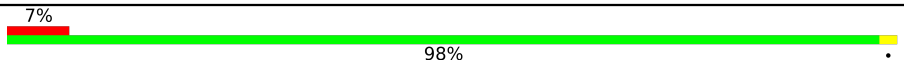
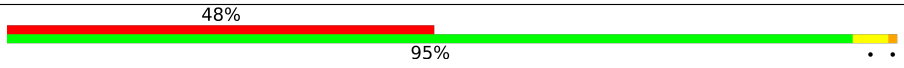
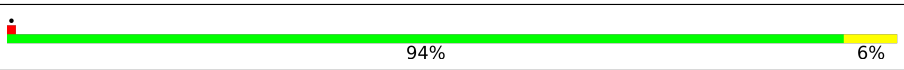
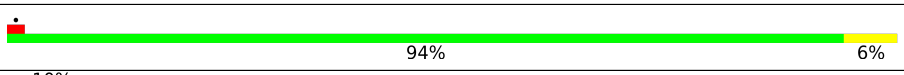
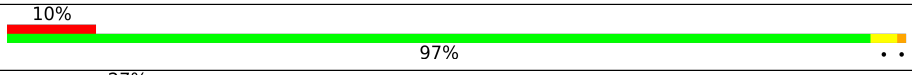
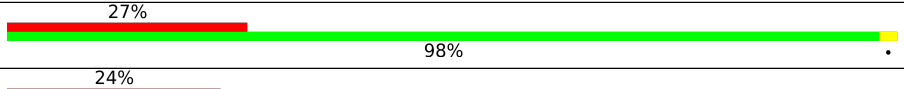
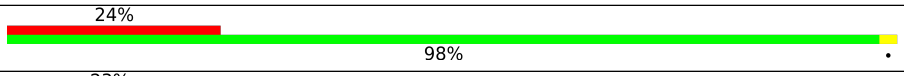
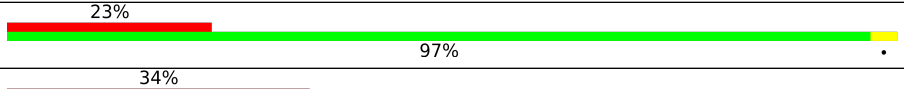
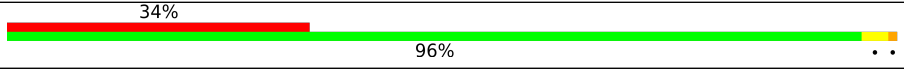
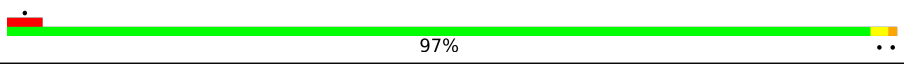
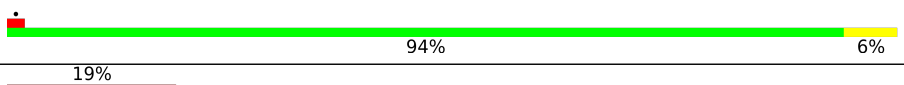
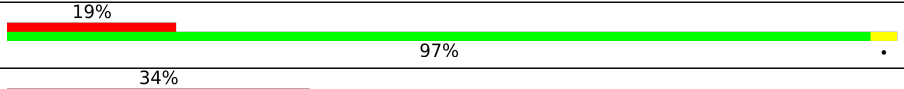
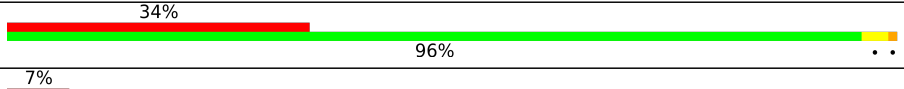
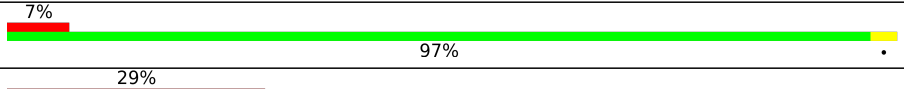
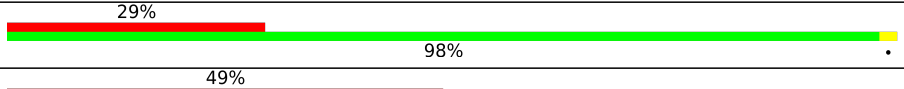
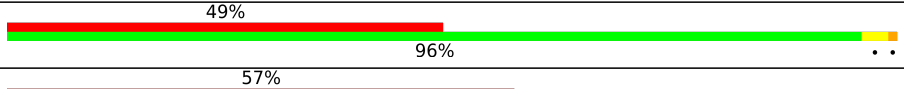
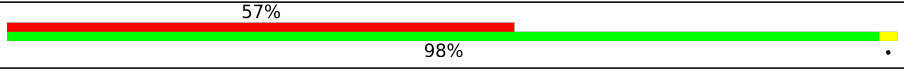
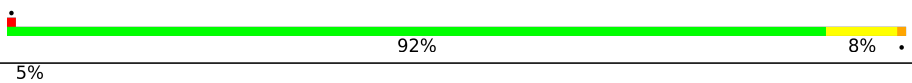
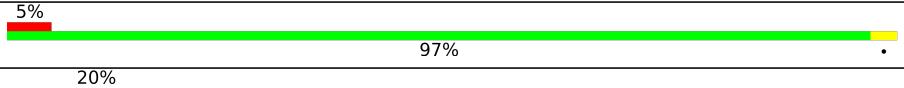
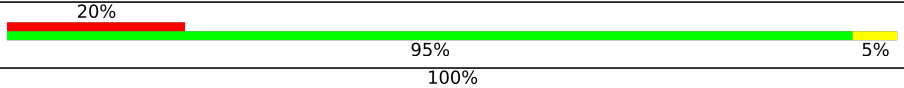
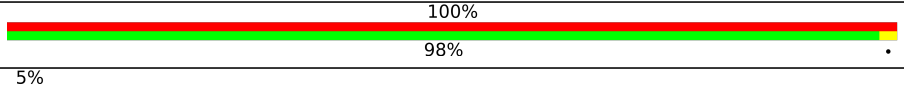
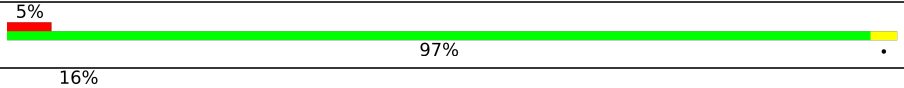
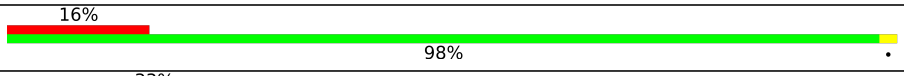
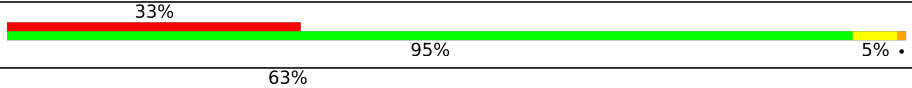
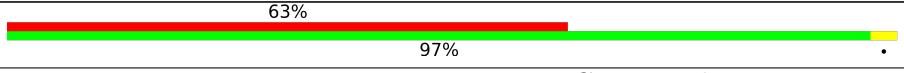
Mol	Chain	Length	Quality of chain
11	B4	177	
11	B5	177	
11	B6	177	
11	B7	177	
11	B9	177	
11	C8	177	
11	D3	177	
11	D4	177	
11	D5	177	
11	D6	177	
11	D7	177	
11	D9	177	
11	E8	177	
11	F2	177	
11	F3	177	
11	F4	177	
11	F5	177	
11	F6	177	
11	F7	177	
11	F9	177	
11	G8	177	
11	H2	177	
11	H3	177	
11	H4	177	
11	H5	177	

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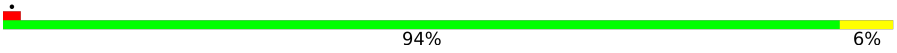
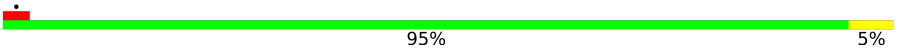
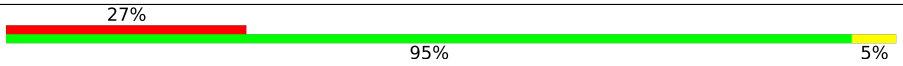
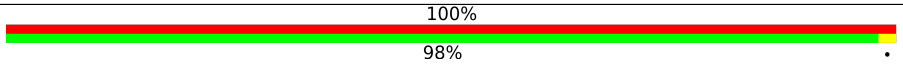
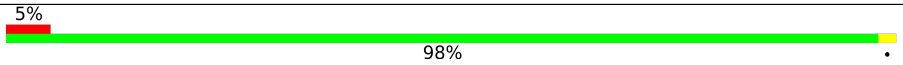
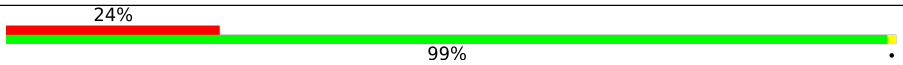
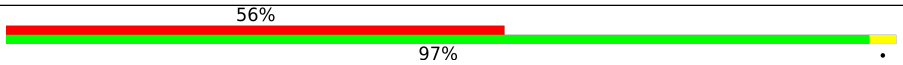
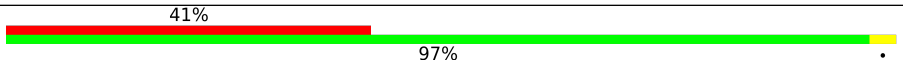
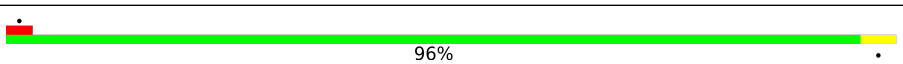
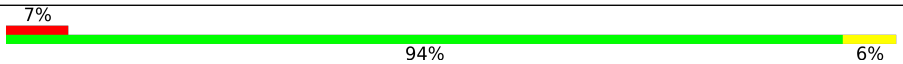
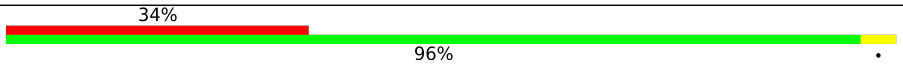
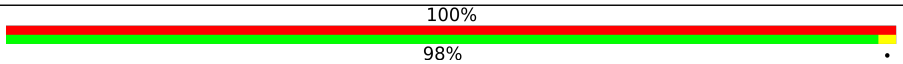
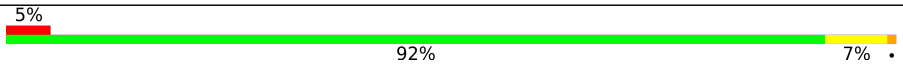
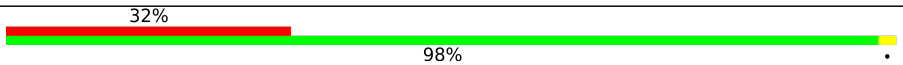
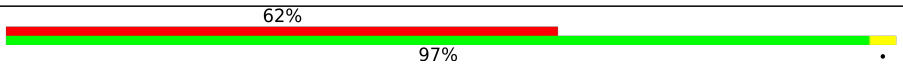
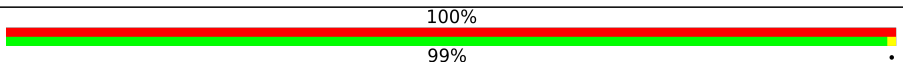
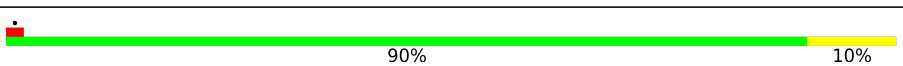
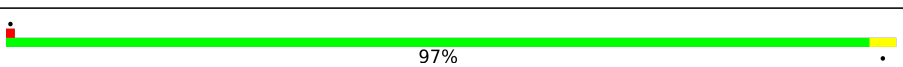
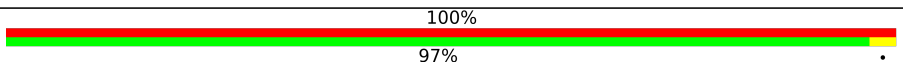
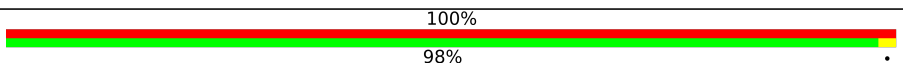
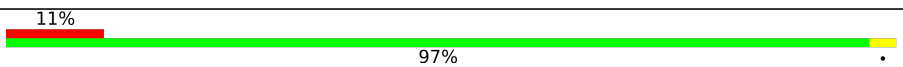
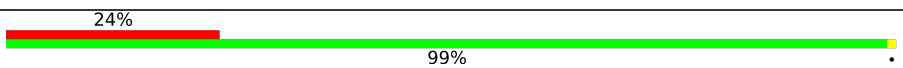
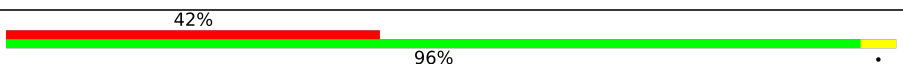
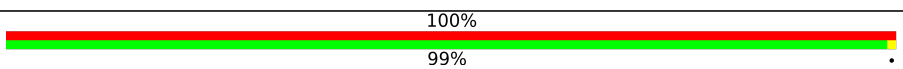
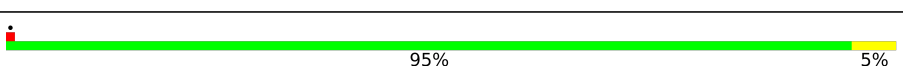
Mol	Chain	Length	Quality of chain
11	H6	177	
11	H7	177	
11	H9	177	
11	I8	177	
11	J2	177	
11	J3	177	
11	J4	177	
11	J5	177	
11	J6	177	
11	J7	177	
11	J9	177	
11	K8	177	
11	L2	177	
11	L3	177	
11	L4	177	
11	L5	177	
11	L6	177	
11	L7	177	
11	L9	177	
11	M8	177	
11	N2	177	
11	N3	177	
11	N4	177	
11	N5	177	
11	N6	177	

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Mol	Chain	Length	Quality of chain
11	N7	177	92% 8%
11	N9	177	100% 98%
11	O8	177	100% 98%
11	P2	177	11% 98%
11	P3	177	95% 99%
11	P4	177	100% 99%
11	P5	177	100% 99%
11	P6	177	93% 7%
11	P7	177	95% 5%
11	P9	177	100% 98%
11	Q8	177	100% 99%
11	R2	177	6% 99%
11	R3	177	89% 97%
11	R4	177	100% 99%
11	R5	177	100% 100%
11	R6	177	94% 6%
11	R7	177	92% 8%
11	R9	177	100% 97%
11	T2	177	5% 96%
11	T3	177	94% 98%
11	T4	177	100% 99%
11	T5	177	100% 99%
11	T6	177	93% 7%
11	T7	177	96%
11	T9	177	100% 98%

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Mol	Chain	Length	Quality of chain
11	V2	177	97%
11	V3	177	86% 99%
11	V4	177	100% 100%
11	V5	177	100% 99%
11	V6	177	97%
11	V7	177	93% 7%
11	V9	177	100% 98%
11	X2	177	5% 98%
11	X3	177	94% 99%
11	X4	177	100% 99%
11	X6	177	93% 7%
11	X7	177	90% 10%
11	Z2	177	9% 97%
11	Z3	177	95% 99%
11	Z4	177	100% 99%
11	Z6	177	10% 94% 6%
11	Z7	177	5% 94% 6%
11	a6	177	6% 94% 6%
11	a7	177	91% 9%
11	aB	177	95% 5%
11	aD	177	98%
11	aF	177	12% 98%
11	aH	177	7% 97%
11	aJ	177	8% 98%
11	aL	177	81% 99%

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Mol	Chain	Length	Quality of chain
11	aN	177	88% 99%
11	aP	177	85% 98%
11	aR	177	84% 98%
11	aT	177	86% 98%
11	aV	177	86% 99%
11	an	177	94% 6%
11	ap	177	93% 7%
11	ar	177	5% 94% 6%
11	at	177	93% 7%
11	av	177	93% 6%
11	ax	177	8% 95% 5%
11	az	177	15% 93% 7%
11	b6	177	5% 96%
11	b7	177	5% 96%
11	bB	177	94% 6%
11	bD	177	97%
11	bF	177	9% 98%
11	bH	177	7% 96%
11	bJ	177	7% 97%
11	bL	177	81% 97%
11	bN	177	89% 99%
11	bP	177	86% 98%
11	bR	177	85% 98%
11	bT	177	85% 98%
11	bV	177	86% 99%

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Mol	Chain	Length	Quality of chain
11	bn	177	97%
11	bo	177	96%
11	bp	177	98%
11	bq	177	97%
11	br	177	95% 5%
11	bs	177	95% 5%
11	bz	177	6% 98%
11	c6	177	92% 8%
11	c7	177	10% 94% 6%
11	cB	177	39% 99%
11	cE	177	41% 99%
11	cF	177	50% 98%
11	cH	177	12% 99%
11	cJ	177	23% 99%
11	cL	177	28% 97%
11	cM	177	27% 99%
11	cN	177	14% 99%
11	cO	177	40% 99%
11	cP	177	44% 99%
11	cQ	177	53% 99%
11	cR	177	28% 97%
11	cY	177	90% 99%
11	cn	177	95% 5%
11	co	177	94% 6%
11	cp	177	97%

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Mol	Chain	Length	Quality of chain
11	cq	177	95% 5%
11	cr	177	95%
11	cs	177	92% 8%
11	cz	177	97%
11	d6	177	7% 97%
11	d7	177	6% 96%
11	dB	177	98%
11	dD	177	99%
11	dF	177	8% 99%
11	dH	177	98%
11	dK	177	96%
11	dL	177	93% 6%
11	dN	177	95% 5%
11	dP	177	98%
11	dR	177	99%
11	dT	177	8% 99%
11	dV	177	97%
11	dX	177	93% 7%
11	dY	177	20% 98%
11	dd	177	88% 99%
11	df	177	90% 98%
11	dh	177	89% 99%
11	di	177	82% 99%
11	dj	177	77% 99%
11	dl	177	85% 99%

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Mol	Chain	Length	Quality of chain
11	dn	177	83% 99%
11	dp	177	90% 99%
11	dr	177	92% 99%
11	dt	177	78% 99%
11	dv	177	89% 99%
11	e6	177	8% 98%
11	e7	177	5% 98%
11	eB	177	11% 98%
11	eD	177	9% 99%
11	eF	177	15% 98%
11	eH	177	16% 98%
11	eJ	177	9% 96%
11	eL	177	17% 98%
11	eN	177	15% 99%
11	eP	177	11% 99%
11	eR	177	9% 98%
11	eT	177	10% 96%
11	eV	177	18% 98%
11	eX	177	16% 97%
11	eb	177	9% 96%
11	ec	177	15% 96%
11	ee	177	16% 94% 6%
11	eg	177	10% 99%
11	ei	177	13% 97%
11	el	177	10% 96%

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Mol	Chain	Length	Quality of chain
11	en	177	17% 97%
11	ep	177	12% 99%
11	er	177	13% 97%
11	et	177	18% 98%
11	ev	177	15% 96%
11	f2	177	30% 98%
11	f3	177	7% 97%
11	f8	177	93% 99%
11	fa	177	92% 99%
11	fc	177	99% 99%
11	ff	177	99% 99%
11	fi	177	100% 99%
11	fj	177	98% 99%
11	fm	177	97% 99%
11	fo	177	99% 99%
11	fq	177	99% 99%
11	fs	177	98% 98%
11	fu	177	97% 99%
11	fw	177	93% 99%
11	fy	177	98% 99%
11	g8	177	90% 98%
11	ga	177	97%
11	gd	177	96%
11	ge	177	99%
11	gg	177	98%

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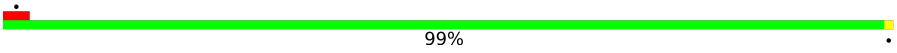
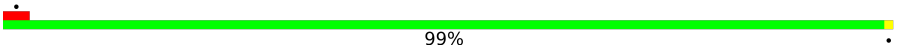
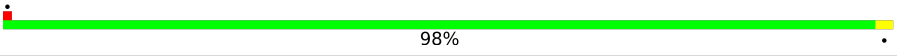
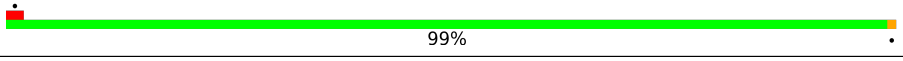
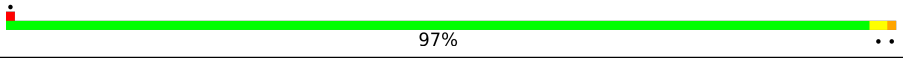
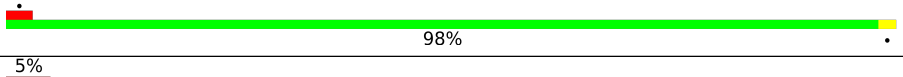
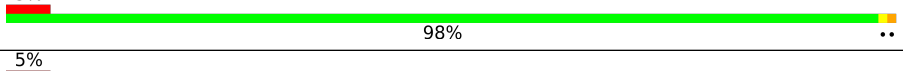
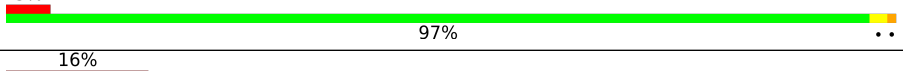
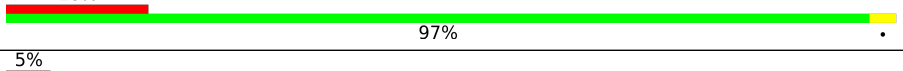
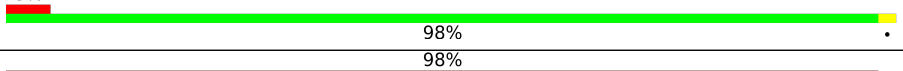
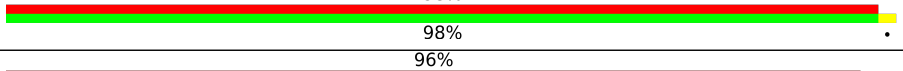
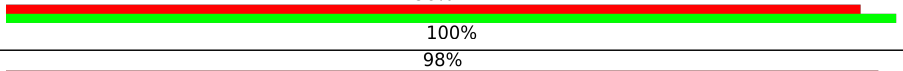
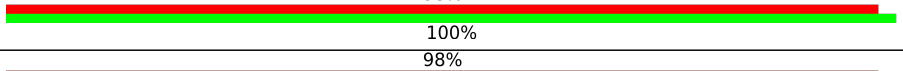
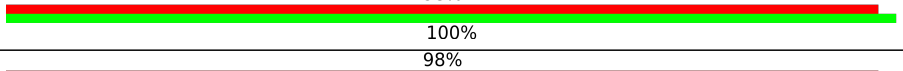
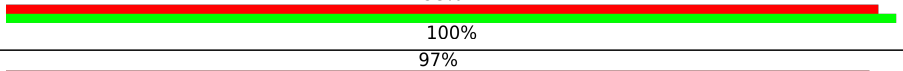
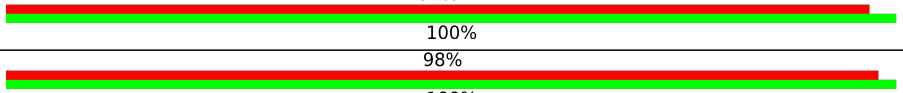
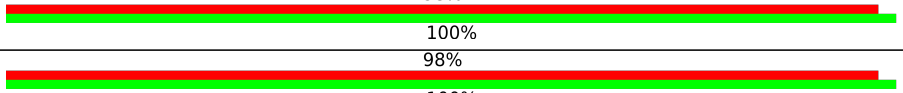
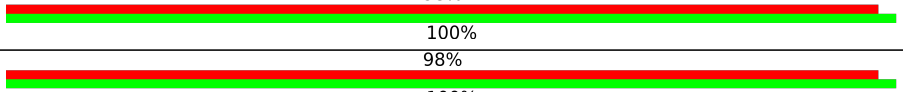
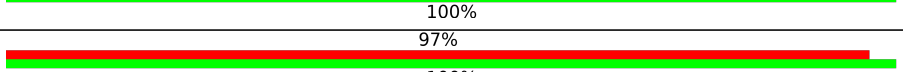
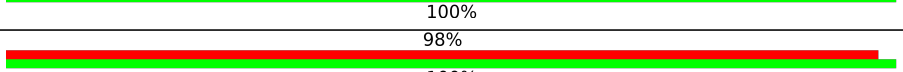
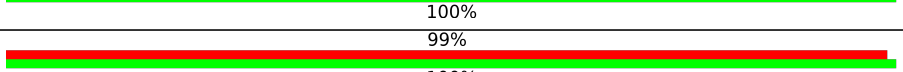
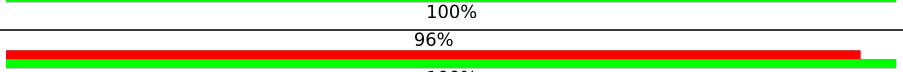
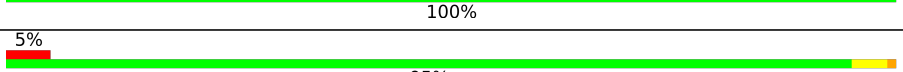
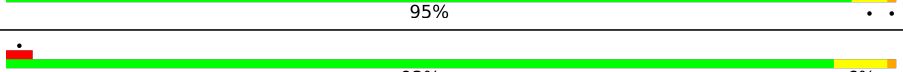
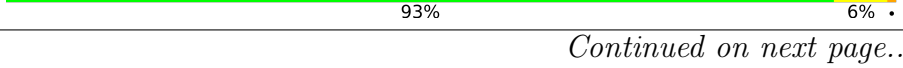
Mol	Chain	Length	Quality of chain
11	gi	177	
11	gk	177	
11	gn	177	
11	gp	177	
11	gr	177	
11	gt	177	
11	gv	177	
11	gx	177	
11	h2	177	
11	h3	177	
11	h8	177	
11	hB	177	
11	hD	177	
11	hG	177	
11	hH	177	
11	hJ	177	
11	hL	177	
11	hN	177	
11	hP	177	
11	hR	177	
11	hT	177	
11	hV	177	
11	hX	177	
11	iC	177	
11	iD	177	

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Mol	Chain	Length	Quality of chain
11	iE	177	6% 78% 5% 18%
11	iF	177	10% 80% 18%
11	iG	177	11% 80% 16%
11	iH	177	11% 81% 16%
11	j2	177	26% 98%
11	j3	177	99%
11	jI	177	20% 79% 19%
11	jJ	177	20% 79% 19%
11	jK	177	16% 80% 18%
11	jL	177	17% 81% 18%
11	jM	177	23% 81% 18%
11	jN	177	24% 81% 18%
11	jO	177	16% 77% 5% 18%
11	jP	177	18% 79% 18%
11	kQ	177	53% 79% 19%
11	kR	177	54% 79% 19%
11	kS	177	54% 80% 17%
11	kT	177	50% 79% 18%
11	kU	177	53% 80% 19%
11	kV	177	54% 80% 19%
11	kW	177	53% 81% 17%
11	kX	177	51% 81% 17%
11	l2	177	32% 99%
11	l3	177	5% 93% 7%
11	l6	177	28% 97%

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Mol	Chain	Length	Quality of chain
11	l7	177	22% 96%
11	lb	177	29% 99%
11	ld	177	51% 97%
11	lf	177	21% 98%
11	lh	177	31% 95% 5%
11	lj	177	51% 97%
11	ll	177	30% 98%
11	ln	177	52% 98%
11	lp	177	23% 99%
11	lr	177	28% 99%
11	lt	177	28% 99%
11	lv	177	33% 96%
11	lx	177	52% 98%
11	n2	177	25% 99%
11	n3	177	11% 97%
11	n4	177	15% 98%
11	n5	177	16% 98%
11	n6	177	33% 95% 5%
11	n7	177	27% 95% 5%
11	n8	177	94% 98%
11	n9	177	95% 5%
11	o8	177	96% 98%
11	p2	177	96% 99%
11	p3	177	12% 99%
11	p4	177	21% 99%

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Mol	Chain	Length	Quality of chain
11	p5	177	21% 99%
11	p6	177	23% 97%
11	p7	177	32% 95% 5%
11	p8	177	92% 99%
11	p9	177	92% 8%
11	r2	177	90% 98%
11	r3	177	6% 97%
11	r4	177	8% 97%
11	r5	177	8% 97%
11	r6	177	11% 94% 6%
11	r7	177	23% 94% 5%
11	r9	177	5% 94% 6%
11	t2	177	93% 99%
11	t3	177	7% 99%
11	t4	177	34% 96%
11	t5	177	33% 95% 5%
11	t6	177	24% 94% 6%
11	t7	177	16% 98%
11	t9	177	94% 6%
11	v2	177	87% 98%
11	v3	177	97%
11	v4	177	35% 95% 5%
11	v5	177	34% 94% 6%
11	v6	177	22% 98%
11	v7	177	11% 94% 6%

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Mol	Chain	Length	Quality of chain
11	v9	177	95% 5%
11	w8	177	12% 97%
11	x2	177	95% 98%
11	x3	177	5% 99%
11	x4	177	20% 93% 7%
11	x5	177	20% 95% 5%
11	x6	177	95% 98%
11	x7	177	94% 99%
11	x9	177	8% 95%
11	y6	177	95% 98%
11	y7	177	93% 95% 5%
11	y8	177	19% 98%
11	z2	177	93% 98%
11	z3	177	8% 97%
11	z4	177	37% 96%
11	z5	177	37% 97%
11	z6	177	92% 97%
11	z7	177	93% 98%
11	z9	177	17% 94% 6%
12	34	318	44% 79% 8% 13%
12	A2	318	79% 8% 13%
12	U8	318	14% 81% 6% 13%
12	Y5	318	44% 80% 7% 13%
12	Z9	318	15% 80% 7% 13%
12	a3	318	79% 8% 13%

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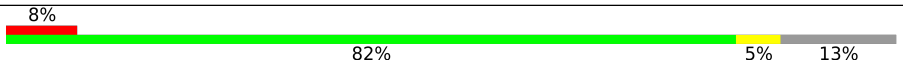
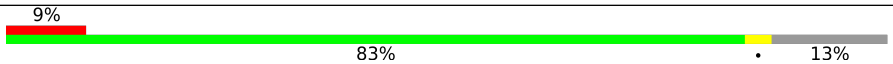
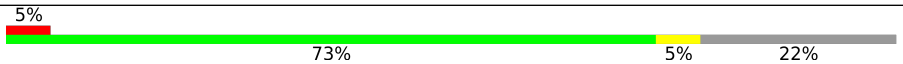
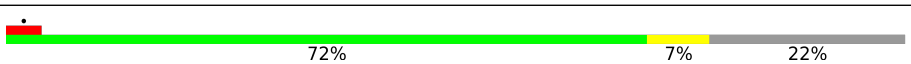
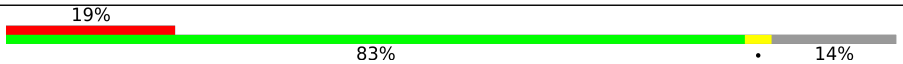
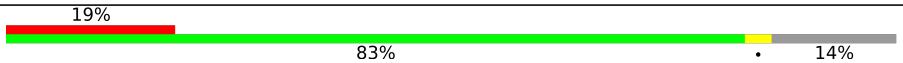
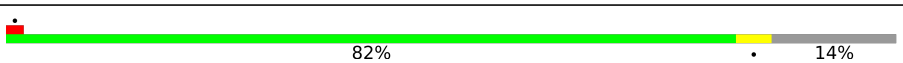
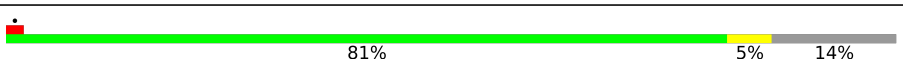
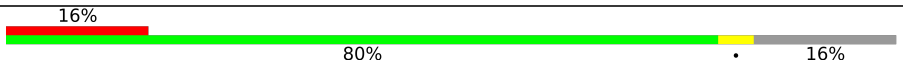
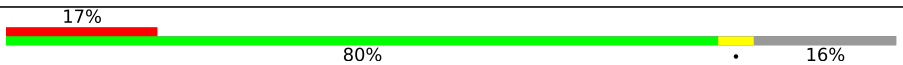
Mol	Chain	Length	Quality of chain
12	aY	318	
12	b8	318	
12	b9	318	
12	bY	318	
12	dw	318	
12	dx	318	
12	ey	318	
12	ez	318	
13	B2	477	
13	b3	477	
14	44	285	
14	C2	285	
14	D2	285	
14	T8	285	
14	Y9	285	
14	Z5	285	
14	aZ	285	
14	bZ	285	
14	c3	285	
14	c8	285	
14	c9	285	
14	d3	285	
14	d8	285	
14	d9	285	
14	e8	285	

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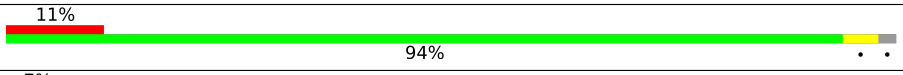
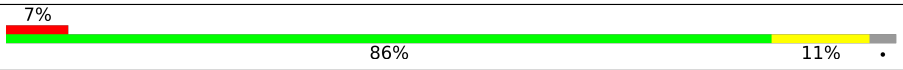
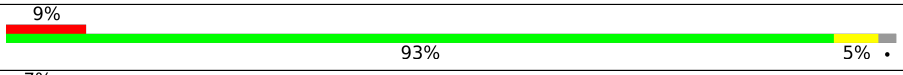
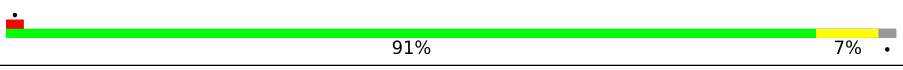
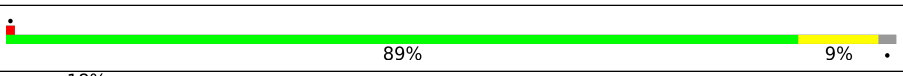
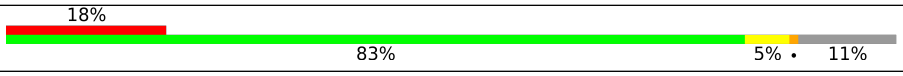
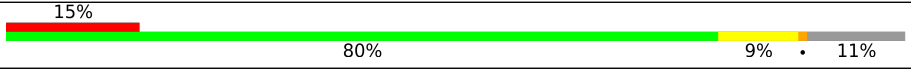
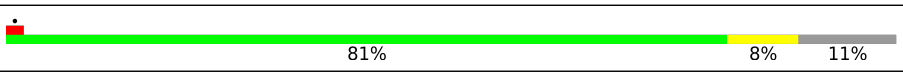
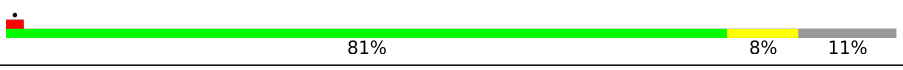
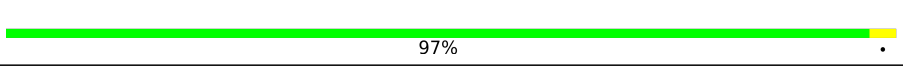
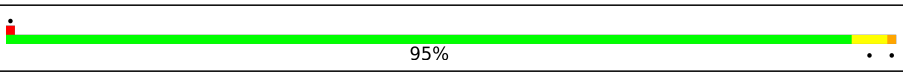
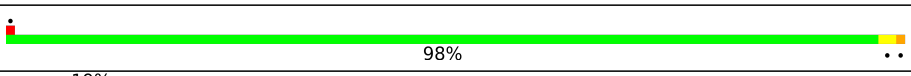
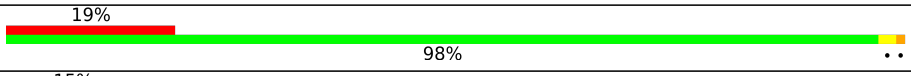
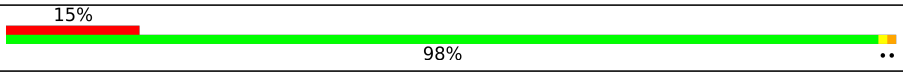
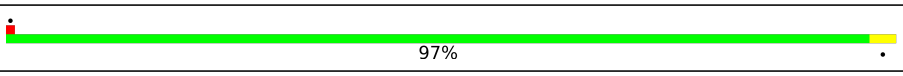
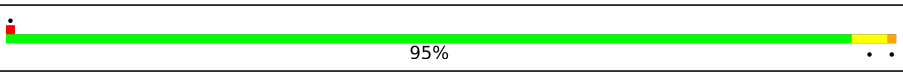
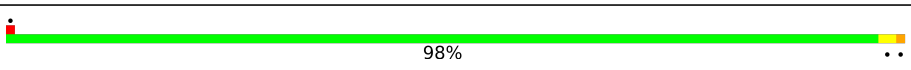
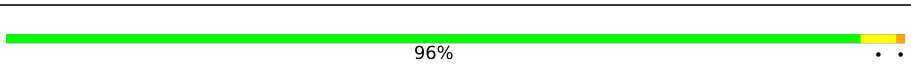
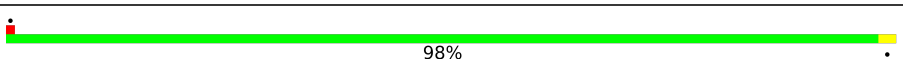
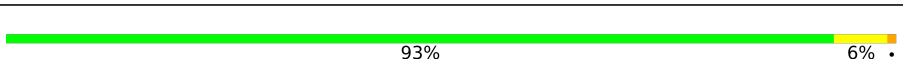
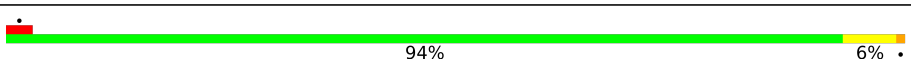
Mol	Chain	Length	Quality of chain
14	e9	285	
15	14	232	
15	R8	232	
15	W5	232	
15	W9	232	
15	aW	232	
15	bW	232	
16	24	371	
16	S8	371	
16	X5	371	
16	X9	371	
16	aX	371	
16	bX	371	
17	V8	162	
17	X8	162	
17	Z8	162	
17	a4	162	
17	a5	162	
17	aa	162	
17	ac	162	
17	ae	162	
17	ag	162	
17	ai	162	
17	ak	162	
17	b4	162	

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Mol	Chain	Length	Quality of chain
17	b5	162	96%
17	ba	162	94% 5%
17	bc	162	94% 5%
17	be	162	97%
17	bg	162	97%
17	bi	162	96%
17	bk	162	96%
17	ca	162	93% 6%
17	cc	162	93% 6%
17	ce	162	96%
17	cg	162	96%
17	ci	162	94% 5%
17	ck	162	97%
17	d4	162	17% 98%
17	d5	162	17% 98%
17	f4	162	7% 96%
17	f5	162	9% 95%
17	g9	162	96%
17	i4	162	13% 98%
17	i5	162	12% 97%
17	i9	162	98%
17	k4	162	92% 7%
17	k5	162	91% 8%
17	k9	162	94% 5%
18	W8	172	96%

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Mol	Chain	Length	Quality of chain
18	Y8	172	97%
18	ab	172	95% 5%
18	ad	172	96%
18	af	172	97%
18	ah	172	95% 5%
18	aj	172	98%
18	al	172	96%
18	bb	172	93% 7%
18	bd	172	95%
18	bf	172	95%
18	bh	172	96%
18	bj	172	93% 7%
18	bl	172	96%
18	c4	172	8% 96%
18	c5	172	6% 94% 6%
18	cb	172	94% 6%
18	cd	172	96%
18	cf	172	96%
18	ch	172	94% 6%
18	cj	172	92% 8%
18	cl	172	94% 6%
18	e4	172	13% 95% 5%
18	e5	172	15% 94% 6%
18	f9	172	98%
18	g4	172	6% 94% 6%

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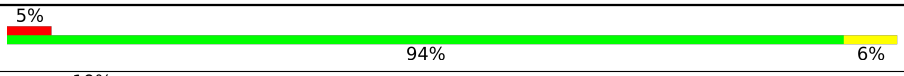
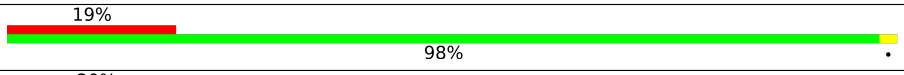
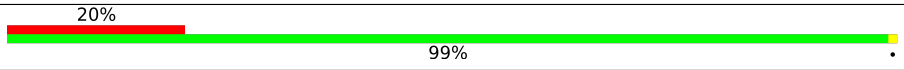
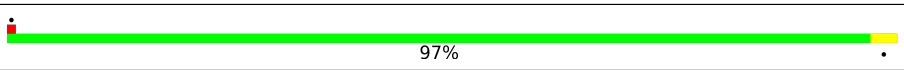
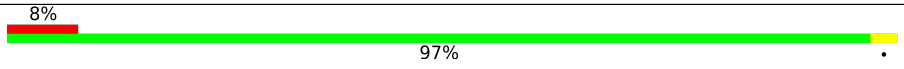
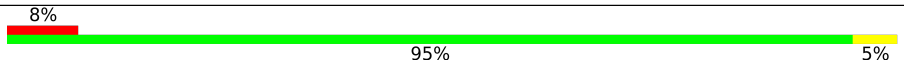
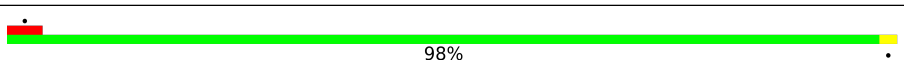
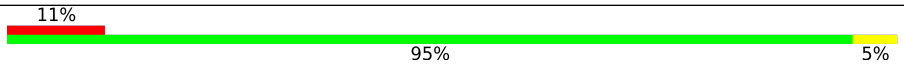
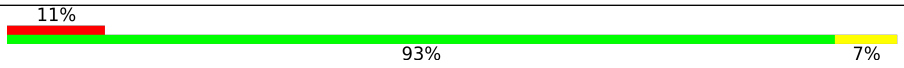
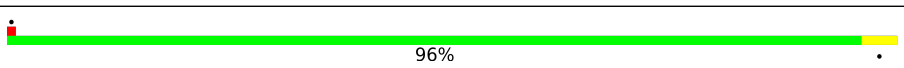
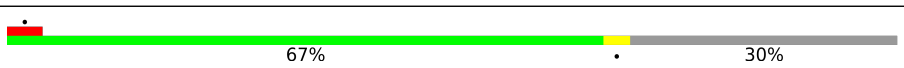
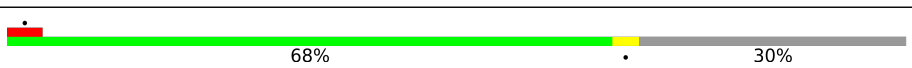
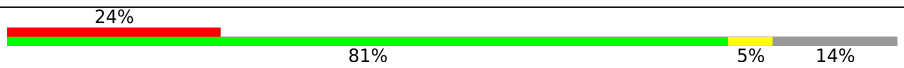
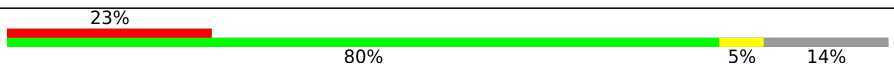
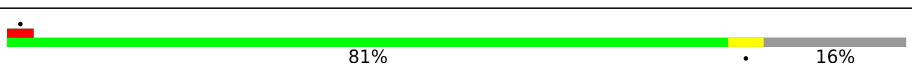
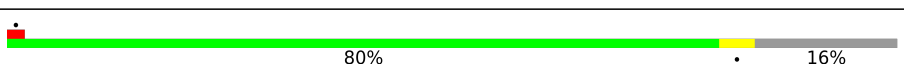
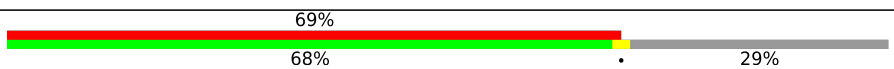
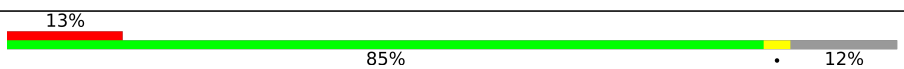
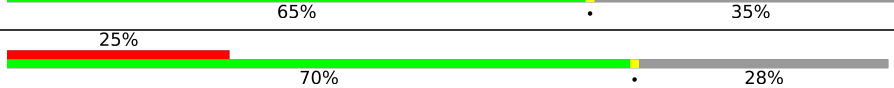
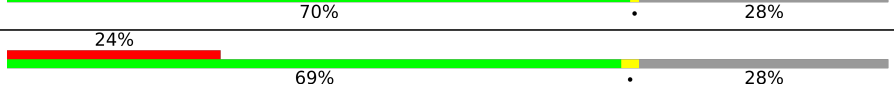
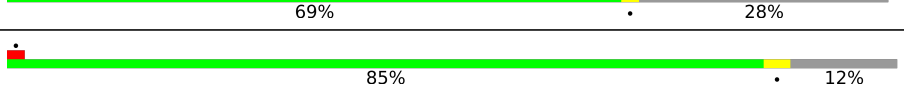
Mol	Chain	Length	Quality of chain
18	g5	172	
18	h4	172	
18	h5	172	
18	h9	172	
18	j4	172	
18	j5	172	
18	j9	172	
18	l4	172	
18	l5	172	
18	l9	172	
19	a8	514	
19	a9	514	
20	dy	352	
20	dz	352	
21	ew	276	
21	ex	276	
21	fd	276	
21	fz	276	
22	eY	352	
22	eZ	352	
23	hY	350	
23	hZ	350	
23	ly	350	
23	lz	350	
24	gy	297	

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Mol	Chain	Length	Quality of chain
24	gz	297	
25	ka	362	
25	kb	362	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	PVN	34	1004	X	-	-	-
29	PVN	44	303	X	-	-	-
29	PVN	A2	1004	X	-	-	-
29	PVN	C2	303	X	-	-	-
29	PVN	D2	303	X	-	-	-
29	PVN	T8	303	X	-	-	-
29	PVN	U8	1004	X	-	-	-
29	PVN	Y5	1004	X	-	-	-
29	PVN	Y9	303	X	-	-	-
29	PVN	Z5	304	X	-	-	-
29	PVN	Z9	1004	X	-	-	-
29	PVN	a3	1004	X	-	-	-
29	PVN	aY	403	X	-	-	-
29	PVN	aZ	303	X	-	-	-
29	PVN	b8	1004	X	-	-	-
29	PVN	b9	405	X	-	-	-
29	PVN	bY	1004	X	-	-	-
29	PVN	bZ	304	X	-	-	-
29	PVN	c3	303	X	-	-	-
29	PVN	c8	303	X	-	-	-
29	PVN	c9	303	X	-	-	-
29	PVN	d3	302	X	-	-	-
29	PVN	d8	303	X	-	-	-
29	PVN	d9	304	X	-	-	-
29	PVN	dw	404	X	-	-	-
29	PVN	dx	405	X	-	-	-
29	PVN	e8	303	X	-	-	-
29	PVN	e9	304	X	-	-	-
29	PVN	eY	403	X	-	-	-
29	PVN	eZ	402	X	-	-	-
29	PVN	ey	1004	X	-	-	-
29	PVN	ez	1004	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
29	PVN	hY	404	X	-	-	-
29	PVN	hZ	403	X	-	-	-
29	PVN	ly	404	X	-	-	-
29	PVN	lz	403	X	-	-	-

2 Entry composition (i)

There are 29 unique types of molecules in this entry. The entry contains 1234811 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called LRC6.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A1	219	Total	C	N	O	S	0	0
			1647	1047	276	318	6		
1	B1	220	Total	C	N	O	S	0	0
			1652	1050	277	319	6		

- Molecule 2 is a protein called LRC4.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	C1	154	Total	C	N	O	S	0	0
			1171	729	207	232	3		
2	D1	153	Total	C	N	O	S	0	0
			1162	724	205	230	3		

- Molecule 3 is a protein called LRC5.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	E1	259	Total	C	N	O	S	0	0
			2014	1272	335	401	6		
3	F1	259	Total	C	N	O	S	0	0
			2014	1272	335	401	6		

- Molecule 4 is a protein called alpha_APC.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	G1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	I1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	K1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	N1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	P1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	R1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	T1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	X1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	Z1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	b1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	d1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	f1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	i1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	k1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	o1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	q1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	s1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	u1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	w1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		
4	y1	160	Total	C	N	O	S	0	0
			1221	764	207	242	8		

- Molecule 5 is a protein called beta_APC.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	H1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	J1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	L1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
5	M1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	O1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	S1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	U1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	W1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	Y1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	a1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	c1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	e1	160	Total	C	N	O	S	0	0
			1217	765	205	240	7		
5	h1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	j1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	l1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	n1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	p1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	r1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	t1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	v1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	x1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		
5	z1	161	Total	C	N	O	S	0	0
			1224	768	206	243	7		

- Molecule 6 is a protein called ApcF.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	Q1	174	Total	C	N	O	S	0	0
			1398	889	232	272	5		
6	g1	174	Total	C	N	O	S	0	0
			1398	889	232	272	5		

- Molecule 7 is a protein called ApcD.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	V1	160	Total	C	N	O	S	0	0
			1261	805	209	241	6		
7	m1	160	Total	C	N	O	S	0	0
			1261	805	209	241	6		

- Molecule 8 is a protein called LCM.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	a2	801	Total	C	N	O	S	0	0
			6494	4160	1125	1192	17		
8	b2	801	Total	C	N	O	S	0	0
			6494	4160	1125	1192	17		

- Molecule 9 is a protein called LC.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	c2	91	Total	C	N	O	S	0	0
			717	450	128	134	5		
9	d2	91	Total	C	N	O	S	0	0
			717	450	128	134	5		

- Molecule 10 is a protein called R-phycoerythrin alpha chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	e2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	g2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	i2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	k2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	m2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	o2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	q2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	s2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	u2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	w2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	y2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	E2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	G2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	I2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	K2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	M2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	O2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Q2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	S2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	U2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	W2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Y2	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	A3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	C3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	E3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	G3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	I3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	K3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	M3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	O3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Q3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	S3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	U3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	W3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Y3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	e3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	g3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	i3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	k3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	m3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	o3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	q3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	s3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	u3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	w3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	y3	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	A4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	C4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	E4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	G4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	I4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	K4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	M4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	O4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Q4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	S4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	U4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	W4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Y4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	m4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	o4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	q4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	s4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	u4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	w4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	y4	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	A5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	C5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	E5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	G5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	I5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	K5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	M5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	O5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Q5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	S5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	U5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	m5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	o5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	q5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	s5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	u5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	w5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	y5	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	i8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	j8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	k8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	l8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	m8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	A6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	C6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	E6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	G6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	I6	163	Total	C	N	O	S	0	0
			1239	770	216	247	6		
10	K6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	M6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	O6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Q6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	S6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	U6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	W6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Y6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	f6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	g6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	h6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	i6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	j6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	k6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	m6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	o6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	q6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	s6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	u6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	w6	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	q8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	r8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	s8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	t8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	u8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	A7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	C7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	E7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	G7	163	Total	C	N	O	S	0	0
			1239	770	216	247	6		
10	I7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	K7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	M7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	O7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Q7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	S7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	U7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	W7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	Y7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	f7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	g7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	h7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	i7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	j7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	k7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	m7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	o7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	q7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	s7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	u7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	w7	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	v8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	x8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	z8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	B8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	D8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	F8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	H8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	J8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	L8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	N8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	P8	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	m9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	o9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	q9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	s9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	u9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	w9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	y9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	A9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	C9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	E9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	G9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	I9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	K9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	M9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	O9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	Q9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	S9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	U9	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	am	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ao	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aq	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	as	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	au	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aw	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ay	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aA	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aC	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aE	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aG	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aI	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aK	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aM	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aO	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aQ	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aS	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	aU	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bm	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bt	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bu	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	bv	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bw	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bx	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	by	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bA	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bC	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bE	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bG	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bI	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bK	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bM	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bO	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bQ	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bS	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	bU	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cm	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ct	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cu	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cv	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cw	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cx	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	cy	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cA	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cC	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cD	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cG	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cI	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cK	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cS	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cT	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cU	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cV	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cW	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cX	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	cZ	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	da	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	db	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dc	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	de	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dg	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dk	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dm	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	do	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dq	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ds	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	du	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dA	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dC	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dE	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dG	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dI	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dJ	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dM	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dO	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dQ	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dS	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dU	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dW	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	dZ	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ea	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ed	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ef	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eh	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	ej	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ek	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	em	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eo	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eq	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	es	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eu	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eA	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eC	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eE	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eG	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eI	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eK	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eM	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eO	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eQ	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eS	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eU	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	eW	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	la	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	lc	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	le	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	lg	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	li	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	lk	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	lm	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	lo	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	lq	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ls	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	lu	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	lw	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fb	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fe	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fg	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fh	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fk	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fl	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fn	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fp	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fr	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	ft	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	fv	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	fx	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gb	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gc	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gf	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gh	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gj	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gl	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gm	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	go	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gq	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gs	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gu	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	gw	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hA	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hC	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hE	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hF	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hI	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hK	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hM	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hO	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
10	hQ	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hS	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hU	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	hW	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	iA	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		
10	iB	164	Total	C	N	O	S	0	0
			1246	773	217	250	6		

- Molecule 11 is a protein called R-phycoerythrin beta chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	f2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	h2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	j2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	l2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	n2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	p2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	r2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	t2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	v2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	x2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	z2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	F2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	H2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	J2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	L2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	N2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	P2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	R2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	T2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	V2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	X2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	Z2	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	B3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	D3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	F3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	H3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	J3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	L3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	N3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	P3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	R3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	T3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	V3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	X3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	Z3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	f3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	h3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	j3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	l3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	n3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	p3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	r3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	t3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	v3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	x3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	z3	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	B4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	D4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	F4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	H4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	J4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	L4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	N4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	P4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	R4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	T4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	V4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	X4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	Z4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	n4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	p4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	r4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	t4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	v4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	x4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	z4	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	B5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	D5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	F5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	H5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	J5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	L5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	N5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	P5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	R5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	T5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	V5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	n5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	p5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	r5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	t5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	v5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	x5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	z5	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	f8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	g8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	h8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	B6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	D6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	F6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	H6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	J6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	L6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	N6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	P6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	R6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	T6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	V6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	X6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	Z6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	a6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	b6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	c6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	d6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	e6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	l6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	n6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	p6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	r6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	t6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	v6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	x6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	y6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	z6	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	n8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	o8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	p8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	B7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	D7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	F7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	H7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	J7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	L7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	N7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	P7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	R7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	T7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	V7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	X7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	Z7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	a7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	b7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	c7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	d7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	e7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	l7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	n7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	p7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	r7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	t7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	v7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	x7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	y7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	z7	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	w8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	y8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	A8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	C8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	E8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	G8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	I8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	K8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	M8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	O8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	Q8	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	n9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	p9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	r9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	t9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	v9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	x9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	z9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	B9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	D9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	F9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	H9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	J9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	L9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	N9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	P9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	R9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	T9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	V9	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	an	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ap	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ar	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	at	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	av	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ax	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	az	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aB	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	aD	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aF	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aH	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aJ	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aL	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aN	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aP	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aR	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aT	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	aV	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bn	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bo	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bp	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bq	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	br	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bs	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bz	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bB	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bD	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bF	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bH	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	bJ	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bL	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bN	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bP	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bR	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bT	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	bV	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cn	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	co	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cp	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cq	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cr	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cs	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cz	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cB	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cE	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cF	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cH	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cJ	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cL	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cM	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	cN	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cO	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cP	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cQ	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cR	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	cY	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dd	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	df	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dh	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	di	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dj	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dl	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dn	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dp	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dr	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dt	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dv	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dB	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dD	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dF	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dH	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	dK	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dL	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dN	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dP	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dR	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dT	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dV	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dX	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	dY	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eb	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ec	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ee	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eg	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ei	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	el	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	en	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ep	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	er	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	et	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ev	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eB	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	eD	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eF	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eH	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eJ	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eL	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eN	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eP	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eR	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eT	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eV	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	eX	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	lb	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ld	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	lf	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	lh	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	lj	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ll	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ln	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	lp	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	lr	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	lt	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	lv	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	lx	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fa	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fc	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ff	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fi	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fj	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fm	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fo	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fq	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fs	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fu	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fw	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	fy	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ga	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gd	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	ge	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gg	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gi	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gk	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gn	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	gp	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gr	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gt	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gv	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	gx	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hB	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hD	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hG	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hH	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hJ	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hL	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hN	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hP	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hR	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hT	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hV	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	hX	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	iC	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	iD	177	Total	C	N	O	S	0	0
			1286	793	223	258	12		
11	iE	146	Total	C	N	O	S	0	0
			1054	646	185	212	11		
11	iF	146	Total	C	N	O	S	0	0
			1054	646	185	212	11		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	iG	148	Total	C	N	O	S	0	0
			1073	661	187	214	11		
11	iH	148	Total	C	N	O	S	0	0
			1073	661	187	214	11		
11	jI	144	Total	C	N	O	S	0	0
			1040	639	183	207	11		
11	jJ	144	Total	C	N	O	S	0	0
			1040	639	183	207	11		
11	jK	145	Total	C	N	O	S	0	0
			1048	643	184	210	11		
11	jL	145	Total	C	N	O	S	0	0
			1048	643	184	210	11		
11	jM	145	Total	C	N	O	S	0	0
			1048	643	184	210	11		
11	jN	145	Total	C	N	O	S	0	0
			1048	643	184	210	11		
11	jO	145	Total	C	N	O	S	0	0
			1048	643	184	210	11		
11	jP	145	Total	C	N	O	S	0	0
			1048	643	184	210	11		
11	kQ	144	Total	C	N	O	S	0	0
			1040	639	183	207	11		
11	kR	144	Total	C	N	O	S	0	0
			1040	639	183	207	11		
11	kS	147	Total	C	N	O	S	0	0
			1062	652	186	213	11		
11	kT	146	Total	C	N	O	S	0	0
			1054	646	185	212	11		
11	kU	144	Total	C	N	O	S	0	0
			1040	639	183	207	11		
11	kV	144	Total	C	N	O	S	0	0
			1040	639	183	207	11		
11	kW	147	Total	C	N	O	S	0	0
			1062	652	186	213	11		
11	kX	147	Total	C	N	O	S	0	0
			1062	652	186	213	11		

- Molecule 12 is a protein called LR_gamma4.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	A2	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		

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Mol	Chain	Residues	Atoms					AltConf	Trace
12	a3	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	34	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	Y5	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	b8	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	b9	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	U8	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	Z9	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	aY	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	bY	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	dw	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	dx	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	ey	277	Total	C	N	O	S	0	0
			2107	1311	381	393	22		
12	ez	276	Total	C	N	O	S	0	0
			2095	1302	380	391	22		

- Molecule 13 is a protein called LRC2.

Mol	Chain	Residues	Atoms					AltConf	Trace
13	B2	374	Total	C	N	O	S	0	0
			2934	1838	500	581	15		
13	b3	374	Total	C	N	O	S	0	0
			2934	1838	500	581	15		

- Molecule 14 is a protein called LR_gamma5.

Mol	Chain	Residues	Atoms					AltConf	Trace
14	C2	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	D2	239	Total	C	N	O	S	0	0
			1830	1143	328	348	11		

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Mol	Chain	Residues	Atoms					AltConf	Trace
14	c3	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	d3	239	Total	C	N	O	S	0	0
			1830	1143	328	348	11		
14	44	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	Z5	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	c8	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	d8	239	Total	C	N	O	S	0	0
			1830	1143	328	348	11		
14	e8	239	Total	C	N	O	S	0	0
			1830	1143	328	348	11		
14	c9	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	d9	239	Total	C	N	O	S	0	0
			1830	1143	328	348	11		
14	e9	239	Total	C	N	O	S	0	0
			1830	1143	328	348	11		
14	T8	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	Y9	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	aZ	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		
14	bZ	245	Total	C	N	O	S	0	0
			1879	1175	337	356	11		

- Molecule 15 is a protein called LRC1.

Mol	Chain	Residues	Atoms					AltConf	Trace
15	14	227	Total	C	N	O	S	0	0
			1879	1205	324	343	7		
15	W5	227	Total	C	N	O	S	0	0
			1879	1205	324	343	7		
15	R8	226	Total	C	N	O	S	0	0
			1870	1199	323	341	7		
15	W9	226	Total	C	N	O	S	0	0
			1870	1199	323	341	7		
15	aW	228	Total	C	N	O	S	0	0
			1887	1209	325	346	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
15	bW	228	Total	C	N	O	S	0	0
			1887	1209	325	346	7		

- Molecule 16 is a protein called LR1.

Mol	Chain	Residues	Atoms					AltConf	Trace
16	24	331	Total	C	N	O	S	0	0
			2575	1628	449	485	13		
16	X5	331	Total	C	N	O	S	0	0
			2581	1631	452	485	13		
16	S8	331	Total	C	N	O	S	0	0
			2581	1631	452	485	13		
16	X9	331	Total	C	N	O	S	0	0
			2581	1631	452	485	13		
16	aX	331	Total	C	N	O	S	0	0
			2581	1631	452	485	13		
16	bX	331	Total	C	N	O	S	0	0
			2581	1631	452	485	13		

- Molecule 17 is a protein called alpha_PC.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	a4	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	b4	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	d4	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	f4	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	i4	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	k4	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	a5	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	b5	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	d5	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	f5	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
17	i5	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	k5	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	V8	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	X8	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	Z8	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	g9	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	i9	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	k9	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	aa	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ac	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ae	162	Total	C	N	O	S	1	0
			1230	772	208	244	6		
17	ag	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ai	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ak	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ba	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	bc	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	be	162	Total	C	N	O	S	1	0
			1230	772	208	244	6		
17	bg	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	bi	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	bk	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ca	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		

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Mol	Chain	Residues	Atoms					AltConf	Trace
17	cc	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ce	162	Total	C	N	O	S	1	0
			1230	772	208	244	6		
17	cg	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ci	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		
17	ck	162	Total	C	N	O	S	0	0
			1226	770	208	242	6		

- Molecule 18 is a protein called beta_PC.

Mol	Chain	Residues	Atoms					AltConf	Trace
18	c4	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	e4	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	g4	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	h4	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	j4	172	Total	C	N	O	S	1	0
			1282	791	227	255	9		
18	l4	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	c5	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	e5	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	g5	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	h5	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	j5	172	Total	C	N	O	S	1	0
			1282	791	227	255	9		
18	l5	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	W8	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	Y8	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
18	f9	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	h9	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	j9	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	l9	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	ab	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	ad	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	af	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	ah	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	aj	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	al	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	bb	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	bd	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	bf	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	bh	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	bj	172	Total	C	N	O	S	1	0
			1282	791	227	255	9		
18	bl	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	cb	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	cd	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	cf	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	ch	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		
18	cj	172	Total	C	N	O	S	1	0
			1282	791	227	255	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
18	cl	172	Total	C	N	O	S	0	0
			1281	791	227	254	9		

- Molecule 19 is a protein called LRC3.

Mol	Chain	Residues	Atoms					AltConf	Trace
19	a8	362	Total	C	N	O	S	0	0
			2916	1855	508	541	12		
19	a9	362	Total	C	N	O	S	0	0
			2916	1855	508	541	12		

- Molecule 20 is a protein called LR3.

Mol	Chain	Residues	Atoms					AltConf	Trace
20	dy	303	Total	C	N	O	S	0	0
			2377	1495	400	467	15		
20	dz	303	Total	C	N	O	S	0	0
			2377	1495	400	467	15		

- Molecule 21 is a protein called LR2.

Mol	Chain	Residues	Atoms					AltConf	Trace
21	ew	233	Total	C	N	O	S	0	0
			1821	1153	314	344	10		
21	ex	233	Total	C	N	O	S	0	0
			1821	1153	314	344	10		
21	fd	196	Total	C	N	O	S	0	0
			1550	985	262	294	9		
21	fz	196	Total	C	N	O	S	0	0
			1550	985	262	294	9		

- Molecule 22 is a protein called LR_gamma7.

Mol	Chain	Residues	Atoms					AltConf	Trace
22	eY	309	Total	C	N	O	S	0	0
			2327	1441	427	440	19		
22	eZ	309	Total	C	N	O	S	0	0
			2327	1441	427	440	19		

- Molecule 23 is a protein called LR_gamma8.

Mol	Chain	Residues	Atoms					AltConf	Trace
23	ly	251	Total	C	N	O	S	0	0
			1928	1199	343	366	20		
23	lz	251	Total	C	N	O	S	0	0
			1928	1199	343	366	20		
23	hY	229	Total	C	N	O	S	0	0
			1748	1081	311	337	19		
23	hZ	229	Total	C	N	O	S	0	0
			1748	1081	311	337	19		

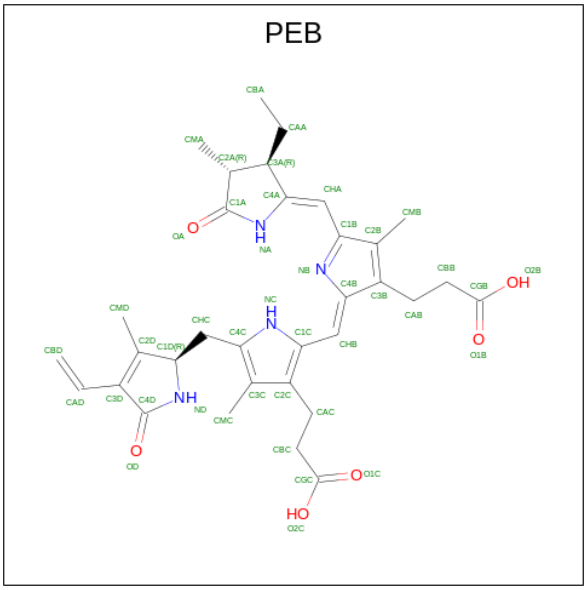
- Molecule 24 is a protein called LR_gamma6.

Mol	Chain	Residues	Atoms					AltConf	Trace
24	gy	260	Total	C	N	O	S	0	0
			2006	1264	356	371	15		
24	gz	260	Total	C	N	O	S	0	0
			2006	1264	356	371	15		

- Molecule 25 is a protein called LR9.

Mol	Chain	Residues	Atoms					AltConf	Trace
25	ka	273	Total	C	N	O	S	0	0
			2038	1293	342	394	9		
25	kb	273	Total	C	N	O	S	0	0
			2038	1293	342	394	9		

- Molecule 26 is PHYCOERYTHROBILIN (three-letter code: PEB) (formula: $C_{33}H_{40}N_4O_6$).



Mol	Chain	Residues	Atoms				AltConf
26	A1	1	Total	C	N	O	0
			43	33	4	6	
26	B1	1	Total	C	N	O	0
			43	33	4	6	
26	e2	1	Total	C	N	O	0
			86	66	8	12	
26	e2	1	Total	C	N	O	0
			86	66	8	12	
26	f2	1	Total	C	N	O	0
			86	66	8	12	
26	f2	1	Total	C	N	O	0
			86	66	8	12	
26	g2	1	Total	C	N	O	0
			86	66	8	12	
26	g2	1	Total	C	N	O	0
			86	66	8	12	
26	h2	1	Total	C	N	O	0
			86	66	8	12	
26	h2	1	Total	C	N	O	0
			86	66	8	12	
26	i2	1	Total	C	N	O	0
			86	66	8	12	
26	i2	1	Total	C	N	O	0
			86	66	8	12	
26	j2	1	Total	C	N	O	0
			86	66	8	12	
26	j2	1	Total	C	N	O	0
			86	66	8	12	
26	k2	1	Total	C	N	O	0
			86	66	8	12	
26	k2	1	Total	C	N	O	0
			86	66	8	12	
26	l2	1	Total	C	N	O	0
			86	66	8	12	
26	l2	1	Total	C	N	O	0
			86	66	8	12	
26	m2	1	Total	C	N	O	0
			86	66	8	12	
26	m2	1	Total	C	N	O	0
			86	66	8	12	
26	n2	1	Total	C	N	O	0
			86	66	8	12	
26	n2	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	o2	1	Total	C	N	O	0
			86	66	8	12	
26	o2	1	Total	C	N	O	0
			86	66	8	12	
26	p2	1	Total	C	N	O	0
			86	66	8	12	
26	p2	1	Total	C	N	O	0
			86	66	8	12	
26	q2	1	Total	C	N	O	0
			86	66	8	12	
26	q2	1	Total	C	N	O	0
			86	66	8	12	
26	r2	1	Total	C	N	O	0
			86	66	8	12	
26	r2	1	Total	C	N	O	0
			86	66	8	12	
26	s2	1	Total	C	N	O	0
			86	66	8	12	
26	s2	1	Total	C	N	O	0
			86	66	8	12	
26	t2	1	Total	C	N	O	0
			86	66	8	12	
26	t2	1	Total	C	N	O	0
			86	66	8	12	
26	u2	1	Total	C	N	O	0
			86	66	8	12	
26	u2	1	Total	C	N	O	0
			86	66	8	12	
26	v2	1	Total	C	N	O	0
			86	66	8	12	
26	v2	1	Total	C	N	O	0
			86	66	8	12	
26	w2	1	Total	C	N	O	0
			129	99	12	18	
26	w2	1	Total	C	N	O	0
			129	99	12	18	
26	w2	1	Total	C	N	O	0
			129	99	12	18	
26	x2	1	Total	C	N	O	0
			43	33	4	6	
26	y2	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	y2	1	Total	C	N	O	0
			86	66	8	12	
26	z2	1	Total	C	N	O	0
			86	66	8	12	
26	z2	1	Total	C	N	O	0
			86	66	8	12	
26	A2	1	Total	C	N	O	0
			129	99	12	18	
26	A2	1	Total	C	N	O	0
			129	99	12	18	
26	A2	1	Total	C	N	O	0
			129	99	12	18	
26	B2	1	Total	C	N	O	0
			86	66	8	12	
26	B2	1	Total	C	N	O	0
			86	66	8	12	
26	C2	1	Total	C	N	O	0
			86	66	8	12	
26	C2	1	Total	C	N	O	0
			86	66	8	12	
26	D2	1	Total	C	N	O	0
			86	66	8	12	
26	D2	1	Total	C	N	O	0
			86	66	8	12	
26	E2	1	Total	C	N	O	0
			86	66	8	12	
26	E2	1	Total	C	N	O	0
			86	66	8	12	
26	F2	1	Total	C	N	O	0
			86	66	8	12	
26	F2	1	Total	C	N	O	0
			86	66	8	12	
26	G2	1	Total	C	N	O	0
			86	66	8	12	
26	G2	1	Total	C	N	O	0
			86	66	8	12	
26	H2	1	Total	C	N	O	0
			43	33	4	6	
26	I2	1	Total	C	N	O	0
			86	66	8	12	
26	I2	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	J2	1	Total	C	N	O	0
			43	33	4	6	
26	K2	1	Total	C	N	O	0
			86	66	8	12	
26	K2	1	Total	C	N	O	0
			86	66	8	12	
26	L2	1	Total	C	N	O	0
			86	66	8	12	
26	L2	1	Total	C	N	O	0
			86	66	8	12	
26	M2	1	Total	C	N	O	0
			86	66	8	12	
26	M2	1	Total	C	N	O	0
			86	66	8	12	
26	N2	1	Total	C	N	O	0
			86	66	8	12	
26	N2	1	Total	C	N	O	0
			86	66	8	12	
26	O2	1	Total	C	N	O	0
			86	66	8	12	
26	O2	1	Total	C	N	O	0
			86	66	8	12	
26	P2	1	Total	C	N	O	0
			86	66	8	12	
26	P2	1	Total	C	N	O	0
			86	66	8	12	
26	Q2	1	Total	C	N	O	0
			43	33	4	6	
26	R2	1	Total	C	N	O	0
			86	66	8	12	
26	R2	1	Total	C	N	O	0
			86	66	8	12	
26	S2	1	Total	C	N	O	0
			86	66	8	12	
26	S2	1	Total	C	N	O	0
			86	66	8	12	
26	T2	1	Total	C	N	O	0
			86	66	8	12	
26	T2	1	Total	C	N	O	0
			86	66	8	12	
26	U2	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	U2	1	Total	C	N	O	0
			86	66	8	12	
26	V2	1	Total	C	N	O	0
			86	66	8	12	
26	V2	1	Total	C	N	O	0
			86	66	8	12	
26	W2	1	Total	C	N	O	0
			86	66	8	12	
26	W2	1	Total	C	N	O	0
			86	66	8	12	
26	X2	1	Total	C	N	O	0
			86	66	8	12	
26	X2	1	Total	C	N	O	0
			86	66	8	12	
26	Y2	1	Total	C	N	O	0
			86	66	8	12	
26	Y2	1	Total	C	N	O	0
			86	66	8	12	
26	Z2	1	Total	C	N	O	0
			86	66	8	12	
26	Z2	1	Total	C	N	O	0
			86	66	8	12	
26	A3	1	Total	C	N	O	0
			86	66	8	12	
26	A3	1	Total	C	N	O	0
			86	66	8	12	
26	B3	1	Total	C	N	O	0
			86	66	8	12	
26	B3	1	Total	C	N	O	0
			86	66	8	12	
26	C3	1	Total	C	N	O	0
			86	66	8	12	
26	C3	1	Total	C	N	O	0
			86	66	8	12	
26	D3	1	Total	C	N	O	0
			86	66	8	12	
26	D3	1	Total	C	N	O	0
			86	66	8	12	
26	E3	1	Total	C	N	O	0
			86	66	8	12	
26	E3	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	F3	1	Total	C	N	O	0
			86	66	8	12	
26	F3	1	Total	C	N	O	0
			86	66	8	12	
26	G3	1	Total	C	N	O	0
			86	66	8	12	
26	G3	1	Total	C	N	O	0
			86	66	8	12	
26	H3	1	Total	C	N	O	0
			86	66	8	12	
26	H3	1	Total	C	N	O	0
			86	66	8	12	
26	I3	1	Total	C	N	O	0
			86	66	8	12	
26	I3	1	Total	C	N	O	0
			86	66	8	12	
26	J3	1	Total	C	N	O	0
			86	66	8	12	
26	J3	1	Total	C	N	O	0
			86	66	8	12	
26	K3	1	Total	C	N	O	0
			86	66	8	12	
26	K3	1	Total	C	N	O	0
			86	66	8	12	
26	L3	1	Total	C	N	O	0
			86	66	8	12	
26	L3	1	Total	C	N	O	0
			86	66	8	12	
26	M3	1	Total	C	N	O	0
			86	66	8	12	
26	M3	1	Total	C	N	O	0
			86	66	8	12	
26	N3	1	Total	C	N	O	0
			86	66	8	12	
26	N3	1	Total	C	N	O	0
			86	66	8	12	
26	O3	1	Total	C	N	O	0
			86	66	8	12	
26	O3	1	Total	C	N	O	0
			86	66	8	12	
26	P3	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	P3	1	Total	C	N	O	0
			86	66	8	12	
26	Q3	1	Total	C	N	O	0
			86	66	8	12	
26	Q3	1	Total	C	N	O	0
			86	66	8	12	
26	R3	1	Total	C	N	O	0
			86	66	8	12	
26	R3	1	Total	C	N	O	0
			86	66	8	12	
26	S3	1	Total	C	N	O	0
			129	99	12	18	
26	S3	1	Total	C	N	O	0
			129	99	12	18	
26	S3	1	Total	C	N	O	0
			129	99	12	18	
26	T3	1	Total	C	N	O	0
			86	66	8	12	
26	T3	1	Total	C	N	O	0
			86	66	8	12	
26	U3	1	Total	C	N	O	0
			86	66	8	12	
26	U3	1	Total	C	N	O	0
			86	66	8	12	
26	V3	1	Total	C	N	O	0
			86	66	8	12	
26	V3	1	Total	C	N	O	0
			86	66	8	12	
26	W3	1	Total	C	N	O	0
			129	99	12	18	
26	W3	1	Total	C	N	O	0
			129	99	12	18	
26	W3	1	Total	C	N	O	0
			129	99	12	18	
26	X3	1	Total	C	N	O	0
			43	33	4	6	
26	Y3	1	Total	C	N	O	0
			86	66	8	12	
26	Y3	1	Total	C	N	O	0
			86	66	8	12	
26	Z3	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	Z3	1	Total	C	N	O	0
			86	66	8	12	
26	a3	1	Total	C	N	O	0
			129	99	12	18	
26	a3	1	Total	C	N	O	0
			129	99	12	18	
26	a3	1	Total	C	N	O	0
			129	99	12	18	
26	b3	1	Total	C	N	O	0
			86	66	8	12	
26	b3	1	Total	C	N	O	0
			86	66	8	12	
26	c3	1	Total	C	N	O	0
			86	66	8	12	
26	c3	1	Total	C	N	O	0
			86	66	8	12	
26	d3	1	Total	C	N	O	0
			43	33	4	6	
26	e3	1	Total	C	N	O	0
			86	66	8	12	
26	e3	1	Total	C	N	O	0
			86	66	8	12	
26	f3	1	Total	C	N	O	0
			86	66	8	12	
26	f3	1	Total	C	N	O	0
			86	66	8	12	
26	g3	1	Total	C	N	O	0
			86	66	8	12	
26	g3	1	Total	C	N	O	0
			86	66	8	12	
26	h3	1	Total	C	N	O	0
			43	33	4	6	
26	i3	1	Total	C	N	O	0
			129	99	12	18	
26	i3	1	Total	C	N	O	0
			129	99	12	18	
26	i3	1	Total	C	N	O	0
			129	99	12	18	
26	j3	1	Total	C	N	O	0
			43	33	4	6	
26	k3	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	k3	1	Total	C	N	O	0
			86	66	8	12	
26	l3	1	Total	C	N	O	0
			43	33	4	6	
26	m3	1	Total	C	N	O	0
			86	66	8	12	
26	m3	1	Total	C	N	O	0
			86	66	8	12	
26	n3	1	Total	C	N	O	0
			86	66	8	12	
26	n3	1	Total	C	N	O	0
			86	66	8	12	
26	o3	1	Total	C	N	O	0
			86	66	8	12	
26	o3	1	Total	C	N	O	0
			86	66	8	12	
26	p3	1	Total	C	N	O	0
			86	66	8	12	
26	p3	1	Total	C	N	O	0
			86	66	8	12	
26	q3	1	Total	C	N	O	0
			43	33	4	6	
26	r3	1	Total	C	N	O	0
			86	66	8	12	
26	r3	1	Total	C	N	O	0
			86	66	8	12	
26	s3	1	Total	C	N	O	0
			86	66	8	12	
26	s3	1	Total	C	N	O	0
			86	66	8	12	
26	t3	1	Total	C	N	O	0
			86	66	8	12	
26	t3	1	Total	C	N	O	0
			86	66	8	12	
26	u3	1	Total	C	N	O	0
			86	66	8	12	
26	u3	1	Total	C	N	O	0
			86	66	8	12	
26	v3	1	Total	C	N	O	0
			86	66	8	12	
26	v3	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	w3	1	Total	C	N	O	0
			86	66	8	12	
26	w3	1	Total	C	N	O	0
			86	66	8	12	
26	x3	1	Total	C	N	O	0
			86	66	8	12	
26	x3	1	Total	C	N	O	0
			86	66	8	12	
26	y3	1	Total	C	N	O	0
			86	66	8	12	
26	y3	1	Total	C	N	O	0
			86	66	8	12	
26	z3	1	Total	C	N	O	0
			86	66	8	12	
26	z3	1	Total	C	N	O	0
			86	66	8	12	
26	A4	1	Total	C	N	O	0
			86	66	8	12	
26	A4	1	Total	C	N	O	0
			86	66	8	12	
26	B4	1	Total	C	N	O	0
			86	66	8	12	
26	B4	1	Total	C	N	O	0
			86	66	8	12	
26	C4	1	Total	C	N	O	0
			86	66	8	12	
26	C4	1	Total	C	N	O	0
			86	66	8	12	
26	D4	1	Total	C	N	O	0
			86	66	8	12	
26	D4	1	Total	C	N	O	0
			86	66	8	12	
26	E4	1	Total	C	N	O	0
			86	66	8	12	
26	E4	1	Total	C	N	O	0
			86	66	8	12	
26	F4	1	Total	C	N	O	0
			86	66	8	12	
26	F4	1	Total	C	N	O	0
			86	66	8	12	
26	G4	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	G4	1	Total	C	N	O	0
			86	66	8	12	
26	H4	1	Total	C	N	O	0
			86	66	8	12	
26	H4	1	Total	C	N	O	0
			86	66	8	12	
26	I4	1	Total	C	N	O	0
			86	66	8	12	
26	I4	1	Total	C	N	O	0
			86	66	8	12	
26	J4	1	Total	C	N	O	0
			86	66	8	12	
26	J4	1	Total	C	N	O	0
			86	66	8	12	
26	K4	1	Total	C	N	O	0
			86	66	8	12	
26	K4	1	Total	C	N	O	0
			86	66	8	12	
26	L4	1	Total	C	N	O	0
			86	66	8	12	
26	L4	1	Total	C	N	O	0
			86	66	8	12	
26	M4	1	Total	C	N	O	0
			86	66	8	12	
26	M4	1	Total	C	N	O	0
			86	66	8	12	
26	N4	1	Total	C	N	O	0
			86	66	8	12	
26	N4	1	Total	C	N	O	0
			86	66	8	12	
26	O4	1	Total	C	N	O	0
			86	66	8	12	
26	O4	1	Total	C	N	O	0
			86	66	8	12	
26	P4	1	Total	C	N	O	0
			86	66	8	12	
26	P4	1	Total	C	N	O	0
			86	66	8	12	
26	Q4	1	Total	C	N	O	0
			129	99	12	18	
26	Q4	1	Total	C	N	O	0
			129	99	12	18	

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Mol	Chain	Residues	Atoms				AltConf
26	Q4	1	Total	C	N	O	0
			129	99	12	18	
26	R4	1	Total	C	N	O	0
			86	66	8	12	
26	R4	1	Total	C	N	O	0
			86	66	8	12	
26	S4	1	Total	C	N	O	0
			86	66	8	12	
26	S4	1	Total	C	N	O	0
			86	66	8	12	
26	T4	1	Total	C	N	O	0
			43	33	4	6	
26	U4	1	Total	C	N	O	0
			86	66	8	12	
26	U4	1	Total	C	N	O	0
			86	66	8	12	
26	V4	1	Total	C	N	O	0
			86	66	8	12	
26	V4	1	Total	C	N	O	0
			86	66	8	12	
26	W4	1	Total	C	N	O	0
			86	66	8	12	
26	W4	1	Total	C	N	O	0
			86	66	8	12	
26	X4	1	Total	C	N	O	0
			86	66	8	12	
26	X4	1	Total	C	N	O	0
			86	66	8	12	
26	Y4	1	Total	C	N	O	0
			86	66	8	12	
26	Y4	1	Total	C	N	O	0
			86	66	8	12	
26	Z4	1	Total	C	N	O	0
			86	66	8	12	
26	Z4	1	Total	C	N	O	0
			86	66	8	12	
26	24	1	Total	C	N	O	0
			43	33	4	6	
26	34	1	Total	C	N	O	0
			172	132	16	24	
26	34	1	Total	C	N	O	0
			172	132	16	24	

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Mol	Chain	Residues	Atoms				AltConf
26	34	1	Total	C	N	O	0
			172	132	16	24	
26	34	1	Total	C	N	O	0
			172	132	16	24	
26	44	1	Total	C	N	O	0
			86	66	8	12	
26	44	1	Total	C	N	O	0
			86	66	8	12	
26	a4	1	Total	C	N	O	0
			43	33	4	6	
26	b4	1	Total	C	N	O	0
			43	33	4	6	
26	c4	1	Total	C	N	O	0
			86	66	8	12	
26	c4	1	Total	C	N	O	0
			86	66	8	12	
26	d4	1	Total	C	N	O	0
			43	33	4	6	
26	e4	1	Total	C	N	O	0
			86	66	8	12	
26	e4	1	Total	C	N	O	0
			86	66	8	12	
26	f4	1	Total	C	N	O	0
			43	33	4	6	
26	g4	1	Total	C	N	O	0
			86	66	8	12	
26	g4	1	Total	C	N	O	0
			86	66	8	12	
26	h4	1	Total	C	N	O	0
			86	66	8	12	
26	h4	1	Total	C	N	O	0
			86	66	8	12	
26	i4	1	Total	C	N	O	0
			43	33	4	6	
26	j4	1	Total	C	N	O	0
			86	66	8	12	
26	j4	1	Total	C	N	O	0
			86	66	8	12	
26	k4	1	Total	C	N	O	0
			43	33	4	6	
26	l4	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	l4	1	Total	C	N	O	0
			86	66	8	12	
26	m4	1	Total	C	N	O	0
			43	33	4	6	
26	n4	1	Total	C	N	O	0
			86	66	8	12	
26	n4	1	Total	C	N	O	0
			86	66	8	12	
26	o4	1	Total	C	N	O	0
			86	66	8	12	
26	o4	1	Total	C	N	O	0
			86	66	8	12	
26	p4	1	Total	C	N	O	0
			86	66	8	12	
26	p4	1	Total	C	N	O	0
			86	66	8	12	
26	q4	1	Total	C	N	O	0
			86	66	8	12	
26	q4	1	Total	C	N	O	0
			86	66	8	12	
26	r4	1	Total	C	N	O	0
			43	33	4	6	
26	s4	1	Total	C	N	O	0
			86	66	8	12	
26	s4	1	Total	C	N	O	0
			86	66	8	12	
26	t4	1	Total	C	N	O	0
			86	66	8	12	
26	t4	1	Total	C	N	O	0
			86	66	8	12	
26	u4	1	Total	C	N	O	0
			86	66	8	12	
26	u4	1	Total	C	N	O	0
			86	66	8	12	
26	v4	1	Total	C	N	O	0
			86	66	8	12	
26	v4	1	Total	C	N	O	0
			86	66	8	12	
26	w4	1	Total	C	N	O	0
			86	66	8	12	
26	w4	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	x4	1	Total	C	N	O	0
			43	33	4	6	
26	y4	1	Total	C	N	O	0
			86	66	8	12	
26	y4	1	Total	C	N	O	0
			86	66	8	12	
26	z4	1	Total	C	N	O	0
			86	66	8	12	
26	z4	1	Total	C	N	O	0
			86	66	8	12	
26	A5	1	Total	C	N	O	0
			129	99	12	18	
26	A5	1	Total	C	N	O	0
			129	99	12	18	
26	A5	1	Total	C	N	O	0
			129	99	12	18	
26	B5	1	Total	C	N	O	0
			86	66	8	12	
26	B5	1	Total	C	N	O	0
			86	66	8	12	
26	C5	1	Total	C	N	O	0
			86	66	8	12	
26	C5	1	Total	C	N	O	0
			86	66	8	12	
26	D5	1	Total	C	N	O	0
			86	66	8	12	
26	D5	1	Total	C	N	O	0
			86	66	8	12	
26	E5	1	Total	C	N	O	0
			86	66	8	12	
26	E5	1	Total	C	N	O	0
			86	66	8	12	
26	F5	1	Total	C	N	O	0
			86	66	8	12	
26	F5	1	Total	C	N	O	0
			86	66	8	12	
26	G5	1	Total	C	N	O	0
			86	66	8	12	
26	G5	1	Total	C	N	O	0
			86	66	8	12	
26	H5	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
26	I5	1	Total	C	N	O	0
			86	66	8	12	
26	I5	1	Total	C	N	O	0
			86	66	8	12	
26	J5	1	Total	C	N	O	0
			86	66	8	12	
26	J5	1	Total	C	N	O	0
			86	66	8	12	
26	K5	1	Total	C	N	O	0
			86	66	8	12	
26	K5	1	Total	C	N	O	0
			86	66	8	12	
26	L5	1	Total	C	N	O	0
			86	66	8	12	
26	L5	1	Total	C	N	O	0
			86	66	8	12	
26	M5	1	Total	C	N	O	0
			86	66	8	12	
26	M5	1	Total	C	N	O	0
			86	66	8	12	
26	N5	1	Total	C	N	O	0
			86	66	8	12	
26	N5	1	Total	C	N	O	0
			86	66	8	12	
26	O5	1	Total	C	N	O	0
			86	66	8	12	
26	O5	1	Total	C	N	O	0
			86	66	8	12	
26	P5	1	Total	C	N	O	0
			43	33	4	6	
26	Q5	1	Total	C	N	O	0
			86	66	8	12	
26	Q5	1	Total	C	N	O	0
			86	66	8	12	
26	R5	1	Total	C	N	O	0
			86	66	8	12	
26	R5	1	Total	C	N	O	0
			86	66	8	12	
26	S5	1	Total	C	N	O	0
			129	99	12	18	
26	S5	1	Total	C	N	O	0
			129	99	12	18	

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Mol	Chain	Residues	Atoms				AltConf
26	S5	1	Total	C	N	O	0
			129	99	12	18	
26	T5	1	Total	C	N	O	0
			43	33	4	6	
26	U5	1	Total	C	N	O	0
			86	66	8	12	
26	U5	1	Total	C	N	O	0
			86	66	8	12	
26	V5	1	Total	C	N	O	0
			86	66	8	12	
26	V5	1	Total	C	N	O	0
			86	66	8	12	
26	W5	1	Total	C	N	O	0
			43	33	4	6	
26	X5	1	Total	C	N	O	0
			43	33	4	6	
26	Y5	1	Total	C	N	O	0
			129	99	12	18	
26	Y5	1	Total	C	N	O	0
			129	99	12	18	
26	Y5	1	Total	C	N	O	0
			129	99	12	18	
26	Z5	1	Total	C	N	O	0
			129	99	12	18	
26	Z5	1	Total	C	N	O	0
			129	99	12	18	
26	Z5	1	Total	C	N	O	0
			129	99	12	18	
26	a5	1	Total	C	N	O	0
			43	33	4	6	
26	b5	1	Total	C	N	O	0
			43	33	4	6	
26	c5	1	Total	C	N	O	0
			86	66	8	12	
26	c5	1	Total	C	N	O	0
			86	66	8	12	
26	d5	1	Total	C	N	O	0
			43	33	4	6	
26	e5	1	Total	C	N	O	0
			43	33	4	6	
26	f5	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
26	g5	1	Total	C	N	O	0
			86	66	8	12	
26	g5	1	Total	C	N	O	0
			86	66	8	12	
26	h5	1	Total	C	N	O	0
			86	66	8	12	
26	h5	1	Total	C	N	O	0
			86	66	8	12	
26	i5	1	Total	C	N	O	0
			43	33	4	6	
26	j5	1	Total	C	N	O	0
			86	66	8	12	
26	j5	1	Total	C	N	O	0
			86	66	8	12	
26	k5	1	Total	C	N	O	0
			43	33	4	6	
26	l5	1	Total	C	N	O	0
			86	66	8	12	
26	l5	1	Total	C	N	O	0
			86	66	8	12	
26	m5	1	Total	C	N	O	0
			129	99	12	18	
26	m5	1	Total	C	N	O	0
			129	99	12	18	
26	m5	1	Total	C	N	O	0
			129	99	12	18	
26	n5	1	Total	C	N	O	0
			86	66	8	12	
26	n5	1	Total	C	N	O	0
			86	66	8	12	
26	o5	1	Total	C	N	O	0
			86	66	8	12	
26	o5	1	Total	C	N	O	0
			86	66	8	12	
26	p5	1	Total	C	N	O	0
			43	33	4	6	
26	q5	1	Total	C	N	O	0
			86	66	8	12	
26	q5	1	Total	C	N	O	0
			86	66	8	12	
26	r5	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	r5	1	Total	C	N	O	0
			86	66	8	12	
26	s5	1	Total	C	N	O	0
			86	66	8	12	
26	s5	1	Total	C	N	O	0
			86	66	8	12	
26	t5	1	Total	C	N	O	0
			86	66	8	12	
26	t5	1	Total	C	N	O	0
			86	66	8	12	
26	u5	1	Total	C	N	O	0
			86	66	8	12	
26	u5	1	Total	C	N	O	0
			86	66	8	12	
26	v5	1	Total	C	N	O	0
			86	66	8	12	
26	v5	1	Total	C	N	O	0
			86	66	8	12	
26	w5	1	Total	C	N	O	0
			86	66	8	12	
26	w5	1	Total	C	N	O	0
			86	66	8	12	
26	x5	1	Total	C	N	O	0
			43	33	4	6	
26	y5	1	Total	C	N	O	0
			86	66	8	12	
26	y5	1	Total	C	N	O	0
			86	66	8	12	
26	z5	1	Total	C	N	O	0
			86	66	8	12	
26	z5	1	Total	C	N	O	0
			86	66	8	12	
26	f8	1	Total	C	N	O	0
			86	66	8	12	
26	f8	1	Total	C	N	O	0
			86	66	8	12	
26	g8	1	Total	C	N	O	0
			43	33	4	6	
26	h8	1	Total	C	N	O	0
			86	66	8	12	
26	h8	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	i8	1	Total	C	N	O	0
			43	33	4	6	
26	j8	1	Total	C	N	O	0
			86	66	8	12	
26	j8	1	Total	C	N	O	0
			86	66	8	12	
26	k8	1	Total	C	N	O	0
			129	99	12	18	
26	k8	1	Total	C	N	O	0
			129	99	12	18	
26	k8	1	Total	C	N	O	0
			129	99	12	18	
26	l8	1	Total	C	N	O	0
			86	66	8	12	
26	l8	1	Total	C	N	O	0
			86	66	8	12	
26	m8	1	Total	C	N	O	0
			86	66	8	12	
26	m8	1	Total	C	N	O	0
			86	66	8	12	
26	A6	1	Total	C	N	O	0
			86	66	8	12	
26	A6	1	Total	C	N	O	0
			86	66	8	12	
26	B6	1	Total	C	N	O	0
			86	66	8	12	
26	B6	1	Total	C	N	O	0
			86	66	8	12	
26	C6	1	Total	C	N	O	0
			86	66	8	12	
26	C6	1	Total	C	N	O	0
			86	66	8	12	
26	D6	1	Total	C	N	O	0
			43	33	4	6	
26	E6	1	Total	C	N	O	0
			86	66	8	12	
26	E6	1	Total	C	N	O	0
			86	66	8	12	
26	F6	1	Total	C	N	O	0
			86	66	8	12	
26	F6	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	G6	1	Total	C	N	O	0
			86	66	8	12	
26	G6	1	Total	C	N	O	0
			86	66	8	12	
26	H6	1	Total	C	N	O	0
			86	66	8	12	
26	H6	1	Total	C	N	O	0
			86	66	8	12	
26	I6	1	Total	C	N	O	0
			86	66	8	12	
26	I6	1	Total	C	N	O	0
			86	66	8	12	
26	J6	1	Total	C	N	O	0
			86	66	8	12	
26	J6	1	Total	C	N	O	0
			86	66	8	12	
26	K6	1	Total	C	N	O	0
			86	66	8	12	
26	K6	1	Total	C	N	O	0
			86	66	8	12	
26	L6	1	Total	C	N	O	0
			43	33	4	6	
26	M6	1	Total	C	N	O	0
			86	66	8	12	
26	M6	1	Total	C	N	O	0
			86	66	8	12	
26	N6	1	Total	C	N	O	0
			86	66	8	12	
26	N6	1	Total	C	N	O	0
			86	66	8	12	
26	O6	1	Total	C	N	O	0
			86	66	8	12	
26	O6	1	Total	C	N	O	0
			86	66	8	12	
26	P6	1	Total	C	N	O	0
			86	66	8	12	
26	P6	1	Total	C	N	O	0
			86	66	8	12	
26	Q6	1	Total	C	N	O	0
			86	66	8	12	
26	Q6	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	R6	1	Total	C	N	O	0
			86	66	8	12	
26	R6	1	Total	C	N	O	0
			86	66	8	12	
26	S6	1	Total	C	N	O	0
			86	66	8	12	
26	S6	1	Total	C	N	O	0
			86	66	8	12	
26	T6	1	Total	C	N	O	0
			86	66	8	12	
26	T6	1	Total	C	N	O	0
			86	66	8	12	
26	U6	1	Total	C	N	O	0
			86	66	8	12	
26	U6	1	Total	C	N	O	0
			86	66	8	12	
26	V6	1	Total	C	N	O	0
			86	66	8	12	
26	V6	1	Total	C	N	O	0
			86	66	8	12	
26	W6	1	Total	C	N	O	0
			86	66	8	12	
26	W6	1	Total	C	N	O	0
			86	66	8	12	
26	X6	1	Total	C	N	O	0
			86	66	8	12	
26	X6	1	Total	C	N	O	0
			86	66	8	12	
26	Y6	1	Total	C	N	O	0
			43	33	4	6	
26	Z6	1	Total	C	N	O	0
			86	66	8	12	
26	Z6	1	Total	C	N	O	0
			86	66	8	12	
26	a6	1	Total	C	N	O	0
			86	66	8	12	
26	a6	1	Total	C	N	O	0
			86	66	8	12	
26	b6	1	Total	C	N	O	0
			86	66	8	12	
26	b6	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	c6	1	Total	C	N	O	0
			129	99	12	18	
26	c6	1	Total	C	N	O	0
			129	99	12	18	
26	c6	1	Total	C	N	O	0
			129	99	12	18	
26	d6	1	Total	C	N	O	0
			86	66	8	12	
26	d6	1	Total	C	N	O	0
			86	66	8	12	
26	e6	1	Total	C	N	O	0
			86	66	8	12	
26	e6	1	Total	C	N	O	0
			86	66	8	12	
26	f6	1	Total	C	N	O	0
			86	66	8	12	
26	f6	1	Total	C	N	O	0
			86	66	8	12	
26	g6	1	Total	C	N	O	0
			86	66	8	12	
26	g6	1	Total	C	N	O	0
			86	66	8	12	
26	h6	1	Total	C	N	O	0
			86	66	8	12	
26	h6	1	Total	C	N	O	0
			86	66	8	12	
26	i6	1	Total	C	N	O	0
			86	66	8	12	
26	i6	1	Total	C	N	O	0
			86	66	8	12	
26	j6	1	Total	C	N	O	0
			86	66	8	12	
26	j6	1	Total	C	N	O	0
			86	66	8	12	
26	k6	1	Total	C	N	O	0
			86	66	8	12	
26	k6	1	Total	C	N	O	0
			86	66	8	12	
26	l6	1	Total	C	N	O	0
			86	66	8	12	
26	l6	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	m6	1	Total	C	N	O	0
			86	66	8	12	
26	m6	1	Total	C	N	O	0
			86	66	8	12	
26	n6	1	Total	C	N	O	0
			86	66	8	12	
26	n6	1	Total	C	N	O	0
			86	66	8	12	
26	o6	1	Total	C	N	O	0
			86	66	8	12	
26	o6	1	Total	C	N	O	0
			86	66	8	12	
26	p6	1	Total	C	N	O	0
			86	66	8	12	
26	p6	1	Total	C	N	O	0
			86	66	8	12	
26	q6	1	Total	C	N	O	0
			86	66	8	12	
26	q6	1	Total	C	N	O	0
			86	66	8	12	
26	r6	1	Total	C	N	O	0
			86	66	8	12	
26	r6	1	Total	C	N	O	0
			86	66	8	12	
26	s6	1	Total	C	N	O	0
			86	66	8	12	
26	s6	1	Total	C	N	O	0
			86	66	8	12	
26	t6	1	Total	C	N	O	0
			86	66	8	12	
26	t6	1	Total	C	N	O	0
			86	66	8	12	
26	u6	1	Total	C	N	O	0
			86	66	8	12	
26	u6	1	Total	C	N	O	0
			86	66	8	12	
26	v6	1	Total	C	N	O	0
			86	66	8	12	
26	v6	1	Total	C	N	O	0
			86	66	8	12	
26	w6	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	w6	1	Total	C	N	O	0
			86	66	8	12	
26	x6	1	Total	C	N	O	0
			86	66	8	12	
26	x6	1	Total	C	N	O	0
			86	66	8	12	
26	y6	1	Total	C	N	O	0
			129	99	12	18	
26	y6	1	Total	C	N	O	0
			129	99	12	18	
26	y6	1	Total	C	N	O	0
			129	99	12	18	
26	z6	1	Total	C	N	O	0
			86	66	8	12	
26	z6	1	Total	C	N	O	0
			86	66	8	12	
26	n8	1	Total	C	N	O	0
			43	33	4	6	
26	o8	1	Total	C	N	O	0
			86	66	8	12	
26	o8	1	Total	C	N	O	0
			86	66	8	12	
26	p8	1	Total	C	N	O	0
			86	66	8	12	
26	p8	1	Total	C	N	O	0
			86	66	8	12	
26	q8	1	Total	C	N	O	0
			86	66	8	12	
26	q8	1	Total	C	N	O	0
			86	66	8	12	
26	r8	1	Total	C	N	O	0
			86	66	8	12	
26	r8	1	Total	C	N	O	0
			86	66	8	12	
26	s8	1	Total	C	N	O	0
			86	66	8	12	
26	s8	1	Total	C	N	O	0
			86	66	8	12	
26	t8	1	Total	C	N	O	0
			86	66	8	12	
26	t8	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	u8	1	Total	C	N	O	0
			86	66	8	12	
26	u8	1	Total	C	N	O	0
			86	66	8	12	
26	A7	1	Total	C	N	O	0
			43	33	4	6	
26	B7	1	Total	C	N	O	0
			43	33	4	6	
26	C7	1	Total	C	N	O	0
			86	66	8	12	
26	C7	1	Total	C	N	O	0
			86	66	8	12	
26	D7	1	Total	C	N	O	0
			86	66	8	12	
26	D7	1	Total	C	N	O	0
			86	66	8	12	
26	E7	1	Total	C	N	O	0
			86	66	8	12	
26	E7	1	Total	C	N	O	0
			86	66	8	12	
26	F7	1	Total	C	N	O	0
			43	33	4	6	
26	G7	1	Total	C	N	O	0
			86	66	8	12	
26	G7	1	Total	C	N	O	0
			86	66	8	12	
26	H7	1	Total	C	N	O	0
			86	66	8	12	
26	H7	1	Total	C	N	O	0
			86	66	8	12	
26	I7	1	Total	C	N	O	0
			86	66	8	12	
26	I7	1	Total	C	N	O	0
			86	66	8	12	
26	J7	1	Total	C	N	O	0
			43	33	4	6	
26	K7	1	Total	C	N	O	0
			86	66	8	12	
26	K7	1	Total	C	N	O	0
			86	66	8	12	
26	L7	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
26	M7	1	Total	C	N	O	0
			129	99	12	18	
26	M7	1	Total	C	N	O	0
			129	99	12	18	
26	M7	1	Total	C	N	O	0
			129	99	12	18	
26	N7	1	Total	C	N	O	0
			86	66	8	12	
26	N7	1	Total	C	N	O	0
			86	66	8	12	
26	O7	1	Total	C	N	O	0
			86	66	8	12	
26	O7	1	Total	C	N	O	0
			86	66	8	12	
26	P7	1	Total	C	N	O	0
			86	66	8	12	
26	P7	1	Total	C	N	O	0
			86	66	8	12	
26	Q7	1	Total	C	N	O	0
			86	66	8	12	
26	Q7	1	Total	C	N	O	0
			86	66	8	12	
26	R7	1	Total	C	N	O	0
			86	66	8	12	
26	R7	1	Total	C	N	O	0
			86	66	8	12	
26	S7	1	Total	C	N	O	0
			86	66	8	12	
26	S7	1	Total	C	N	O	0
			86	66	8	12	
26	T7	1	Total	C	N	O	0
			86	66	8	12	
26	T7	1	Total	C	N	O	0
			86	66	8	12	
26	U7	1	Total	C	N	O	0
			86	66	8	12	
26	U7	1	Total	C	N	O	0
			86	66	8	12	
26	V7	1	Total	C	N	O	0
			86	66	8	12	
26	V7	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	W7	1	Total	C	N	O	0
			86	66	8	12	
26	W7	1	Total	C	N	O	0
			86	66	8	12	
26	X7	1	Total	C	N	O	0
			86	66	8	12	
26	X7	1	Total	C	N	O	0
			86	66	8	12	
26	Y7	1	Total	C	N	O	0
			129	99	12	18	
26	Y7	1	Total	C	N	O	0
			129	99	12	18	
26	Y7	1	Total	C	N	O	0
			129	99	12	18	
26	Z7	1	Total	C	N	O	0
			86	66	8	12	
26	Z7	1	Total	C	N	O	0
			86	66	8	12	
26	a7	1	Total	C	N	O	0
			86	66	8	12	
26	a7	1	Total	C	N	O	0
			86	66	8	12	
26	b7	1	Total	C	N	O	0
			43	33	4	6	
26	c7	1	Total	C	N	O	0
			86	66	8	12	
26	c7	1	Total	C	N	O	0
			86	66	8	12	
26	d7	1	Total	C	N	O	0
			86	66	8	12	
26	d7	1	Total	C	N	O	0
			86	66	8	12	
26	e7	1	Total	C	N	O	0
			86	66	8	12	
26	e7	1	Total	C	N	O	0
			86	66	8	12	
26	f7	1	Total	C	N	O	0
			86	66	8	12	
26	f7	1	Total	C	N	O	0
			86	66	8	12	
26	g7	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	g7	1	Total	C	N	O	0
			86	66	8	12	
26	h7	1	Total	C	N	O	0
			86	66	8	12	
26	h7	1	Total	C	N	O	0
			86	66	8	12	
26	i7	1	Total	C	N	O	0
			86	66	8	12	
26	i7	1	Total	C	N	O	0
			86	66	8	12	
26	j7	1	Total	C	N	O	0
			86	66	8	12	
26	j7	1	Total	C	N	O	0
			86	66	8	12	
26	k7	1	Total	C	N	O	0
			86	66	8	12	
26	k7	1	Total	C	N	O	0
			86	66	8	12	
26	l7	1	Total	C	N	O	0
			86	66	8	12	
26	l7	1	Total	C	N	O	0
			86	66	8	12	
26	m7	1	Total	C	N	O	0
			86	66	8	12	
26	m7	1	Total	C	N	O	0
			86	66	8	12	
26	n7	1	Total	C	N	O	0
			86	66	8	12	
26	n7	1	Total	C	N	O	0
			86	66	8	12	
26	o7	1	Total	C	N	O	0
			86	66	8	12	
26	o7	1	Total	C	N	O	0
			86	66	8	12	
26	p7	1	Total	C	N	O	0
			43	33	4	6	
26	q7	1	Total	C	N	O	0
			86	66	8	12	
26	q7	1	Total	C	N	O	0
			86	66	8	12	
26	r7	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	r7	1	Total	C	N	O	0
			86	66	8	12	
26	s7	1	Total	C	N	O	0
			86	66	8	12	
26	s7	1	Total	C	N	O	0
			86	66	8	12	
26	t7	1	Total	C	N	O	0
			86	66	8	12	
26	t7	1	Total	C	N	O	0
			86	66	8	12	
26	u7	1	Total	C	N	O	0
			86	66	8	12	
26	u7	1	Total	C	N	O	0
			86	66	8	12	
26	v7	1	Total	C	N	O	0
			86	66	8	12	
26	v7	1	Total	C	N	O	0
			86	66	8	12	
26	w7	1	Total	C	N	O	0
			86	66	8	12	
26	w7	1	Total	C	N	O	0
			86	66	8	12	
26	x7	1	Total	C	N	O	0
			86	66	8	12	
26	x7	1	Total	C	N	O	0
			86	66	8	12	
26	y7	1	Total	C	N	O	0
			86	66	8	12	
26	y7	1	Total	C	N	O	0
			86	66	8	12	
26	z7	1	Total	C	N	O	0
			86	66	8	12	
26	z7	1	Total	C	N	O	0
			86	66	8	12	
26	a8	1	Total	C	N	O	0
			86	66	8	12	
26	a8	1	Total	C	N	O	0
			86	66	8	12	
26	b8	1	Total	C	N	O	0
			129	99	12	18	
26	b8	1	Total	C	N	O	0
			129	99	12	18	

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Mol	Chain	Residues	Atoms				AltConf
26	b8	1	Total	C	N	O	0
			129	99	12	18	
26	c8	1	Total	C	N	O	0
			86	66	8	12	
26	c8	1	Total	C	N	O	0
			86	66	8	12	
26	d8	1	Total	C	N	O	0
			86	66	8	12	
26	d8	1	Total	C	N	O	0
			86	66	8	12	
26	e8	1	Total	C	N	O	0
			86	66	8	12	
26	e8	1	Total	C	N	O	0
			86	66	8	12	
26	a9	1	Total	C	N	O	0
			129	99	12	18	
26	a9	1	Total	C	N	O	0
			129	99	12	18	
26	a9	1	Total	C	N	O	0
			129	99	12	18	
26	b9	1	Total	C	N	O	0
			172	132	16	24	
26	b9	1	Total	C	N	O	0
			172	132	16	24	
26	b9	1	Total	C	N	O	0
			172	132	16	24	
26	b9	1	Total	C	N	O	0
			172	132	16	24	
26	c9	1	Total	C	N	O	0
			86	66	8	12	
26	c9	1	Total	C	N	O	0
			86	66	8	12	
26	d9	1	Total	C	N	O	0
			129	99	12	18	
26	d9	1	Total	C	N	O	0
			129	99	12	18	
26	d9	1	Total	C	N	O	0
			129	99	12	18	
26	e9	1	Total	C	N	O	0
			129	99	12	18	
26	e9	1	Total	C	N	O	0
			129	99	12	18	

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Mol	Chain	Residues	Atoms				AltConf
26	e9	1	Total	C	N	O	0
			129	99	12	18	
26	v8	1	Total	C	N	O	0
			86	66	8	12	
26	v8	1	Total	C	N	O	0
			86	66	8	12	
26	w8	1	Total	C	N	O	0
			86	66	8	12	
26	w8	1	Total	C	N	O	0
			86	66	8	12	
26	x8	1	Total	C	N	O	0
			86	66	8	12	
26	x8	1	Total	C	N	O	0
			86	66	8	12	
26	y8	1	Total	C	N	O	0
			86	66	8	12	
26	y8	1	Total	C	N	O	0
			86	66	8	12	
26	z8	1	Total	C	N	O	0
			86	66	8	12	
26	z8	1	Total	C	N	O	0
			86	66	8	12	
26	A8	1	Total	C	N	O	0
			86	66	8	12	
26	A8	1	Total	C	N	O	0
			86	66	8	12	
26	B8	1	Total	C	N	O	0
			86	66	8	12	
26	B8	1	Total	C	N	O	0
			86	66	8	12	
26	C8	1	Total	C	N	O	0
			86	66	8	12	
26	C8	1	Total	C	N	O	0
			86	66	8	12	
26	D8	1	Total	C	N	O	0
			86	66	8	12	
26	D8	1	Total	C	N	O	0
			86	66	8	12	
26	E8	1	Total	C	N	O	0
			86	66	8	12	
26	E8	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	F8	1	Total	C	N	O	0
			86	66	8	12	
26	F8	1	Total	C	N	O	0
			86	66	8	12	
26	G8	1	Total	C	N	O	0
			86	66	8	12	
26	G8	1	Total	C	N	O	0
			86	66	8	12	
26	H8	1	Total	C	N	O	0
			86	66	8	12	
26	H8	1	Total	C	N	O	0
			86	66	8	12	
26	I8	1	Total	C	N	O	0
			86	66	8	12	
26	I8	1	Total	C	N	O	0
			86	66	8	12	
26	J8	1	Total	C	N	O	0
			86	66	8	12	
26	J8	1	Total	C	N	O	0
			86	66	8	12	
26	K8	1	Total	C	N	O	0
			86	66	8	12	
26	K8	1	Total	C	N	O	0
			86	66	8	12	
26	L8	1	Total	C	N	O	0
			86	66	8	12	
26	L8	1	Total	C	N	O	0
			86	66	8	12	
26	M8	1	Total	C	N	O	0
			86	66	8	12	
26	M8	1	Total	C	N	O	0
			86	66	8	12	
26	N8	1	Total	C	N	O	0
			86	66	8	12	
26	N8	1	Total	C	N	O	0
			86	66	8	12	
26	O8	1	Total	C	N	O	0
			86	66	8	12	
26	O8	1	Total	C	N	O	0
			86	66	8	12	
26	P8	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	P8	1	Total	C	N	O	0
			86	66	8	12	
26	Q8	1	Total	C	N	O	0
			86	66	8	12	
26	Q8	1	Total	C	N	O	0
			86	66	8	12	
26	S8	1	Total	C	N	O	0
			43	33	4	6	
26	T8	1	Total	C	N	O	0
			86	66	8	12	
26	T8	1	Total	C	N	O	0
			86	66	8	12	
26	U8	1	Total	C	N	O	0
			129	99	12	18	
26	U8	1	Total	C	N	O	0
			129	99	12	18	
26	U8	1	Total	C	N	O	0
			129	99	12	18	
26	V8	1	Total	C	N	O	0
			43	33	4	6	
26	W8	1	Total	C	N	O	0
			86	66	8	12	
26	W8	1	Total	C	N	O	0
			86	66	8	12	
26	X8	1	Total	C	N	O	0
			43	33	4	6	
26	Y8	1	Total	C	N	O	0
			86	66	8	12	
26	Y8	1	Total	C	N	O	0
			86	66	8	12	
26	Z8	1	Total	C	N	O	0
			43	33	4	6	
26	f9	1	Total	C	N	O	0
			86	66	8	12	
26	f9	1	Total	C	N	O	0
			86	66	8	12	
26	g9	1	Total	C	N	O	0
			43	33	4	6	
26	h9	1	Total	C	N	O	0
			86	66	8	12	
26	h9	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	i9	1	Total	C	N	O	0
			43	33	4	6	
26	j9	1	Total	C	N	O	0
			86	66	8	12	
26	j9	1	Total	C	N	O	0
			86	66	8	12	
26	k9	1	Total	C	N	O	0
			43	33	4	6	
26	l9	1	Total	C	N	O	0
			86	66	8	12	
26	l9	1	Total	C	N	O	0
			86	66	8	12	
26	m9	1	Total	C	N	O	0
			43	33	4	6	
26	n9	1	Total	C	N	O	0
			43	33	4	6	
26	o9	1	Total	C	N	O	0
			43	33	4	6	
26	p9	1	Total	C	N	O	0
			86	66	8	12	
26	p9	1	Total	C	N	O	0
			86	66	8	12	
26	q9	1	Total	C	N	O	0
			86	66	8	12	
26	q9	1	Total	C	N	O	0
			86	66	8	12	
26	r9	1	Total	C	N	O	0
			86	66	8	12	
26	r9	1	Total	C	N	O	0
			86	66	8	12	
26	s9	1	Total	C	N	O	0
			86	66	8	12	
26	s9	1	Total	C	N	O	0
			86	66	8	12	
26	t9	1	Total	C	N	O	0
			86	66	8	12	
26	t9	1	Total	C	N	O	0
			86	66	8	12	
26	u9	1	Total	C	N	O	0
			86	66	8	12	
26	u9	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	v9	1	Total	C	N	O	0
			86	66	8	12	
26	v9	1	Total	C	N	O	0
			86	66	8	12	
26	w9	1	Total	C	N	O	0
			86	66	8	12	
26	w9	1	Total	C	N	O	0
			86	66	8	12	
26	x9	1	Total	C	N	O	0
			86	66	8	12	
26	x9	1	Total	C	N	O	0
			86	66	8	12	
26	y9	1	Total	C	N	O	0
			86	66	8	12	
26	y9	1	Total	C	N	O	0
			86	66	8	12	
26	z9	1	Total	C	N	O	0
			86	66	8	12	
26	z9	1	Total	C	N	O	0
			86	66	8	12	
26	A9	1	Total	C	N	O	0
			86	66	8	12	
26	A9	1	Total	C	N	O	0
			86	66	8	12	
26	B9	1	Total	C	N	O	0
			86	66	8	12	
26	B9	1	Total	C	N	O	0
			86	66	8	12	
26	C9	1	Total	C	N	O	0
			86	66	8	12	
26	C9	1	Total	C	N	O	0
			86	66	8	12	
26	D9	1	Total	C	N	O	0
			86	66	8	12	
26	D9	1	Total	C	N	O	0
			86	66	8	12	
26	E9	1	Total	C	N	O	0
			86	66	8	12	
26	E9	1	Total	C	N	O	0
			86	66	8	12	
26	F9	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	F9	1	Total	C	N	O	0
			86	66	8	12	
26	G9	1	Total	C	N	O	0
			86	66	8	12	
26	G9	1	Total	C	N	O	0
			86	66	8	12	
26	H9	1	Total	C	N	O	0
			86	66	8	12	
26	H9	1	Total	C	N	O	0
			86	66	8	12	
26	I9	1	Total	C	N	O	0
			86	66	8	12	
26	I9	1	Total	C	N	O	0
			86	66	8	12	
26	J9	1	Total	C	N	O	0
			86	66	8	12	
26	J9	1	Total	C	N	O	0
			86	66	8	12	
26	K9	1	Total	C	N	O	0
			86	66	8	12	
26	K9	1	Total	C	N	O	0
			86	66	8	12	
26	L9	1	Total	C	N	O	0
			86	66	8	12	
26	L9	1	Total	C	N	O	0
			86	66	8	12	
26	M9	1	Total	C	N	O	0
			86	66	8	12	
26	M9	1	Total	C	N	O	0
			86	66	8	12	
26	N9	1	Total	C	N	O	0
			86	66	8	12	
26	N9	1	Total	C	N	O	0
			86	66	8	12	
26	O9	1	Total	C	N	O	0
			86	66	8	12	
26	O9	1	Total	C	N	O	0
			86	66	8	12	
26	P9	1	Total	C	N	O	0
			86	66	8	12	
26	P9	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	Q9	1	Total	C	N	O	0
			86	66	8	12	
26	Q9	1	Total	C	N	O	0
			86	66	8	12	
26	R9	1	Total	C	N	O	0
			86	66	8	12	
26	R9	1	Total	C	N	O	0
			86	66	8	12	
26	S9	1	Total	C	N	O	0
			86	66	8	12	
26	S9	1	Total	C	N	O	0
			86	66	8	12	
26	T9	1	Total	C	N	O	0
			86	66	8	12	
26	T9	1	Total	C	N	O	0
			86	66	8	12	
26	U9	1	Total	C	N	O	0
			86	66	8	12	
26	U9	1	Total	C	N	O	0
			86	66	8	12	
26	V9	1	Total	C	N	O	0
			86	66	8	12	
26	V9	1	Total	C	N	O	0
			86	66	8	12	
26	X9	1	Total	C	N	O	0
			43	33	4	6	
26	Y9	1	Total	C	N	O	0
			86	66	8	12	
26	Y9	1	Total	C	N	O	0
			86	66	8	12	
26	Z9	1	Total	C	N	O	0
			172	132	16	24	
26	Z9	1	Total	C	N	O	0
			172	132	16	24	
26	Z9	1	Total	C	N	O	0
			172	132	16	24	
26	Z9	1	Total	C	N	O	0
			172	132	16	24	
26	aa	1	Total	C	N	O	0
			43	33	4	6	
26	ab	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	ab	1	Total	C	N	O	0
			86	66	8	12	
26	ac	1	Total	C	N	O	0
			43	33	4	6	
26	ad	1	Total	C	N	O	0
			86	66	8	12	
26	ad	1	Total	C	N	O	0
			86	66	8	12	
26	ae	1	Total	C	N	O	0
			43	33	4	6	
26	af	1	Total	C	N	O	0
			86	66	8	12	
26	af	1	Total	C	N	O	0
			86	66	8	12	
26	ag	1	Total	C	N	O	0
			43	33	4	6	
26	ah	1	Total	C	N	O	0
			86	66	8	12	
26	ah	1	Total	C	N	O	0
			86	66	8	12	
26	ai	1	Total	C	N	O	0
			43	33	4	6	
26	aj	1	Total	C	N	O	0
			86	66	8	12	
26	aj	1	Total	C	N	O	0
			86	66	8	12	
26	ak	1	Total	C	N	O	0
			43	33	4	6	
26	al	1	Total	C	N	O	0
			86	66	8	12	
26	al	1	Total	C	N	O	0
			86	66	8	12	
26	am	1	Total	C	N	O	0
			43	33	4	6	
26	an	1	Total	C	N	O	0
			43	33	4	6	
26	ao	1	Total	C	N	O	0
			86	66	8	12	
26	ao	1	Total	C	N	O	0
			86	66	8	12	
26	ap	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	ap	1	Total	C	N	O	0
			86	66	8	12	
26	aq	1	Total	C	N	O	0
			86	66	8	12	
26	aq	1	Total	C	N	O	0
			86	66	8	12	
26	ar	1	Total	C	N	O	0
			86	66	8	12	
26	ar	1	Total	C	N	O	0
			86	66	8	12	
26	as	1	Total	C	N	O	0
			86	66	8	12	
26	as	1	Total	C	N	O	0
			86	66	8	12	
26	at	1	Total	C	N	O	0
			86	66	8	12	
26	at	1	Total	C	N	O	0
			86	66	8	12	
26	au	1	Total	C	N	O	0
			86	66	8	12	
26	au	1	Total	C	N	O	0
			86	66	8	12	
26	av	1	Total	C	N	O	0
			86	66	8	12	
26	av	1	Total	C	N	O	0
			86	66	8	12	
26	aw	1	Total	C	N	O	0
			86	66	8	12	
26	aw	1	Total	C	N	O	0
			86	66	8	12	
26	ax	1	Total	C	N	O	0
			43	33	4	6	
26	ay	1	Total	C	N	O	0
			86	66	8	12	
26	ay	1	Total	C	N	O	0
			86	66	8	12	
26	az	1	Total	C	N	O	0
			86	66	8	12	
26	az	1	Total	C	N	O	0
			86	66	8	12	
26	aA	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	aA	1	Total	C	N	O	0
			86	66	8	12	
26	aB	1	Total	C	N	O	0
			86	66	8	12	
26	aB	1	Total	C	N	O	0
			86	66	8	12	
26	aC	1	Total	C	N	O	0
			86	66	8	12	
26	aC	1	Total	C	N	O	0
			86	66	8	12	
26	aD	1	Total	C	N	O	0
			86	66	8	12	
26	aD	1	Total	C	N	O	0
			86	66	8	12	
26	aE	1	Total	C	N	O	0
			86	66	8	12	
26	aE	1	Total	C	N	O	0
			86	66	8	12	
26	aF	1	Total	C	N	O	0
			129	99	12	18	
26	aF	1	Total	C	N	O	0
			129	99	12	18	
26	aF	1	Total	C	N	O	0
			129	99	12	18	
26	aG	1	Total	C	N	O	0
			43	33	4	6	
26	aH	1	Total	C	N	O	0
			86	66	8	12	
26	aH	1	Total	C	N	O	0
			86	66	8	12	
26	aI	1	Total	C	N	O	0
			86	66	8	12	
26	aI	1	Total	C	N	O	0
			86	66	8	12	
26	aJ	1	Total	C	N	O	0
			86	66	8	12	
26	aJ	1	Total	C	N	O	0
			86	66	8	12	
26	aK	1	Total	C	N	O	0
			86	66	8	12	
26	aK	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	aL	1	Total	C	N	O	0
			86	66	8	12	
26	aL	1	Total	C	N	O	0
			86	66	8	12	
26	aM	1	Total	C	N	O	0
			86	66	8	12	
26	aM	1	Total	C	N	O	0
			86	66	8	12	
26	aN	1	Total	C	N	O	0
			129	99	12	18	
26	aN	1	Total	C	N	O	0
			129	99	12	18	
26	aN	1	Total	C	N	O	0
			129	99	12	18	
26	aO	1	Total	C	N	O	0
			43	33	4	6	
26	aP	1	Total	C	N	O	0
			86	66	8	12	
26	aP	1	Total	C	N	O	0
			86	66	8	12	
26	aQ	1	Total	C	N	O	0
			86	66	8	12	
26	aQ	1	Total	C	N	O	0
			86	66	8	12	
26	aR	1	Total	C	N	O	0
			86	66	8	12	
26	aR	1	Total	C	N	O	0
			86	66	8	12	
26	aS	1	Total	C	N	O	0
			86	66	8	12	
26	aS	1	Total	C	N	O	0
			86	66	8	12	
26	aT	1	Total	C	N	O	0
			86	66	8	12	
26	aT	1	Total	C	N	O	0
			86	66	8	12	
26	aU	1	Total	C	N	O	0
			86	66	8	12	
26	aU	1	Total	C	N	O	0
			86	66	8	12	
26	aV	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	aV	1	Total	C	N	O	0
			86	66	8	12	
26	aW	1	Total	C	N	O	0
			86	66	8	12	
26	aW	1	Total	C	N	O	0
			86	66	8	12	
26	aX	1	Total	C	N	O	0
			86	66	8	12	
26	aX	1	Total	C	N	O	0
			86	66	8	12	
26	aY	1	Total	C	N	O	0
			129	99	12	18	
26	aY	1	Total	C	N	O	0
			129	99	12	18	
26	aY	1	Total	C	N	O	0
			129	99	12	18	
26	aZ	1	Total	C	N	O	0
			86	66	8	12	
26	aZ	1	Total	C	N	O	0
			86	66	8	12	
26	ba	1	Total	C	N	O	0
			43	33	4	6	
26	bb	1	Total	C	N	O	0
			43	33	4	6	
26	bc	1	Total	C	N	O	0
			43	33	4	6	
26	bd	1	Total	C	N	O	0
			86	66	8	12	
26	bd	1	Total	C	N	O	0
			86	66	8	12	
26	be	1	Total	C	N	O	0
			43	33	4	6	
26	bf	1	Total	C	N	O	0
			43	33	4	6	
26	bg	1	Total	C	N	O	0
			43	33	4	6	
26	bh	1	Total	C	N	O	0
			86	66	8	12	
26	bh	1	Total	C	N	O	0
			86	66	8	12	
26	bi	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
26	bj	1	Total	C	N	O	0
			86	66	8	12	
26	bj	1	Total	C	N	O	0
			86	66	8	12	
26	bk	1	Total	C	N	O	0
			43	33	4	6	
26	bl	1	Total	C	N	O	0
			86	66	8	12	
26	bl	1	Total	C	N	O	0
			86	66	8	12	
26	bm	1	Total	C	N	O	0
			86	66	8	12	
26	bm	1	Total	C	N	O	0
			86	66	8	12	
26	bn	1	Total	C	N	O	0
			43	33	4	6	
26	bo	1	Total	C	N	O	0
			43	33	4	6	
26	bp	1	Total	C	N	O	0
			43	33	4	6	
26	bq	1	Total	C	N	O	0
			86	66	8	12	
26	bq	1	Total	C	N	O	0
			86	66	8	12	
26	br	1	Total	C	N	O	0
			86	66	8	12	
26	br	1	Total	C	N	O	0
			86	66	8	12	
26	bs	1	Total	C	N	O	0
			129	99	12	18	
26	bs	1	Total	C	N	O	0
			129	99	12	18	
26	bs	1	Total	C	N	O	0
			129	99	12	18	
26	bt	1	Total	C	N	O	0
			86	66	8	12	
26	bt	1	Total	C	N	O	0
			86	66	8	12	
26	bu	1	Total	C	N	O	0
			86	66	8	12	
26	bu	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	bv	1	Total	C	N	O	0
			86	66	8	12	
26	bv	1	Total	C	N	O	0
			86	66	8	12	
26	bw	1	Total	C	N	O	0
			86	66	8	12	
26	bw	1	Total	C	N	O	0
			86	66	8	12	
26	bx	1	Total	C	N	O	0
			86	66	8	12	
26	bx	1	Total	C	N	O	0
			86	66	8	12	
26	by	1	Total	C	N	O	0
			86	66	8	12	
26	by	1	Total	C	N	O	0
			86	66	8	12	
26	bz	1	Total	C	N	O	0
			86	66	8	12	
26	bz	1	Total	C	N	O	0
			86	66	8	12	
26	bA	1	Total	C	N	O	0
			86	66	8	12	
26	bA	1	Total	C	N	O	0
			86	66	8	12	
26	bB	1	Total	C	N	O	0
			86	66	8	12	
26	bB	1	Total	C	N	O	0
			86	66	8	12	
26	bC	1	Total	C	N	O	0
			86	66	8	12	
26	bC	1	Total	C	N	O	0
			86	66	8	12	
26	bD	1	Total	C	N	O	0
			86	66	8	12	
26	bD	1	Total	C	N	O	0
			86	66	8	12	
26	bE	1	Total	C	N	O	0
			86	66	8	12	
26	bE	1	Total	C	N	O	0
			86	66	8	12	
26	bF	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	bF	1	Total	C	N	O	0
			86	66	8	12	
26	bG	1	Total	C	N	O	0
			86	66	8	12	
26	bG	1	Total	C	N	O	0
			86	66	8	12	
26	bH	1	Total	C	N	O	0
			86	66	8	12	
26	bH	1	Total	C	N	O	0
			86	66	8	12	
26	bI	1	Total	C	N	O	0
			86	66	8	12	
26	bI	1	Total	C	N	O	0
			86	66	8	12	
26	bJ	1	Total	C	N	O	0
			86	66	8	12	
26	bJ	1	Total	C	N	O	0
			86	66	8	12	
26	bK	1	Total	C	N	O	0
			86	66	8	12	
26	bK	1	Total	C	N	O	0
			86	66	8	12	
26	bL	1	Total	C	N	O	0
			86	66	8	12	
26	bL	1	Total	C	N	O	0
			86	66	8	12	
26	bM	1	Total	C	N	O	0
			86	66	8	12	
26	bM	1	Total	C	N	O	0
			86	66	8	12	
26	bN	1	Total	C	N	O	0
			86	66	8	12	
26	bN	1	Total	C	N	O	0
			86	66	8	12	
26	bO	1	Total	C	N	O	0
			86	66	8	12	
26	bO	1	Total	C	N	O	0
			86	66	8	12	
26	bP	1	Total	C	N	O	0
			86	66	8	12	
26	bP	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	bQ	1	Total	C	N	O	0
			129	99	12	18	
26	bQ	1	Total	C	N	O	0
			129	99	12	18	
26	bQ	1	Total	C	N	O	0
			129	99	12	18	
26	bR	1	Total	C	N	O	0
			43	33	4	6	
26	bS	1	Total	C	N	O	0
			86	66	8	12	
26	bS	1	Total	C	N	O	0
			86	66	8	12	
26	bT	1	Total	C	N	O	0
			43	33	4	6	
26	bU	1	Total	C	N	O	0
			86	66	8	12	
26	bU	1	Total	C	N	O	0
			86	66	8	12	
26	bV	1	Total	C	N	O	0
			86	66	8	12	
26	bV	1	Total	C	N	O	0
			86	66	8	12	
26	bW	1	Total	C	N	O	0
			43	33	4	6	
26	bX	1	Total	C	N	O	0
			86	66	8	12	
26	bX	1	Total	C	N	O	0
			86	66	8	12	
26	bY	1	Total	C	N	O	0
			129	99	12	18	
26	bY	1	Total	C	N	O	0
			129	99	12	18	
26	bY	1	Total	C	N	O	0
			129	99	12	18	
26	bZ	1	Total	C	N	O	0
			129	99	12	18	
26	bZ	1	Total	C	N	O	0
			129	99	12	18	
26	bZ	1	Total	C	N	O	0
			129	99	12	18	
26	ca	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
26	cb	1	Total	C	N	O	0
			86	66	8	12	
26	cb	1	Total	C	N	O	0
			86	66	8	12	
26	cc	1	Total	C	N	O	0
			43	33	4	6	
26	cd	1	Total	C	N	O	0
			86	66	8	12	
26	cd	1	Total	C	N	O	0
			86	66	8	12	
26	ce	1	Total	C	N	O	0
			43	33	4	6	
26	cf	1	Total	C	N	O	0
			43	33	4	6	
26	cg	1	Total	C	N	O	0
			43	33	4	6	
26	ch	1	Total	C	N	O	0
			86	66	8	12	
26	ch	1	Total	C	N	O	0
			86	66	8	12	
26	ci	1	Total	C	N	O	0
			43	33	4	6	
26	cj	1	Total	C	N	O	0
			86	66	8	12	
26	cj	1	Total	C	N	O	0
			86	66	8	12	
26	ck	1	Total	C	N	O	0
			43	33	4	6	
26	cl	1	Total	C	N	O	0
			86	66	8	12	
26	cl	1	Total	C	N	O	0
			86	66	8	12	
26	cm	1	Total	C	N	O	0
			86	66	8	12	
26	cm	1	Total	C	N	O	0
			86	66	8	12	
26	cn	1	Total	C	N	O	0
			43	33	4	6	
26	co	1	Total	C	N	O	0
			43	33	4	6	
26	cp	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	cp	1	Total	C	N	O	0
			86	66	8	12	
26	cq	1	Total	C	N	O	0
			86	66	8	12	
26	cq	1	Total	C	N	O	0
			86	66	8	12	
26	cr	1	Total	C	N	O	0
			86	66	8	12	
26	cr	1	Total	C	N	O	0
			86	66	8	12	
26	cs	1	Total	C	N	O	0
			86	66	8	12	
26	cs	1	Total	C	N	O	0
			86	66	8	12	
26	ct	1	Total	C	N	O	0
			86	66	8	12	
26	ct	1	Total	C	N	O	0
			86	66	8	12	
26	cu	1	Total	C	N	O	0
			86	66	8	12	
26	cu	1	Total	C	N	O	0
			86	66	8	12	
26	cv	1	Total	C	N	O	0
			86	66	8	12	
26	cv	1	Total	C	N	O	0
			86	66	8	12	
26	cw	1	Total	C	N	O	0
			86	66	8	12	
26	cw	1	Total	C	N	O	0
			86	66	8	12	
26	cx	1	Total	C	N	O	0
			86	66	8	12	
26	cx	1	Total	C	N	O	0
			86	66	8	12	
26	cy	1	Total	C	N	O	0
			86	66	8	12	
26	cy	1	Total	C	N	O	0
			86	66	8	12	
26	cz	1	Total	C	N	O	0
			86	66	8	12	
26	cz	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	cA	1	Total	C	N	O	0
			86	66	8	12	
26	cA	1	Total	C	N	O	0
			86	66	8	12	
26	cB	1	Total	C	N	O	0
			86	66	8	12	
26	cB	1	Total	C	N	O	0
			86	66	8	12	
26	cC	1	Total	C	N	O	0
			129	99	12	18	
26	cC	1	Total	C	N	O	0
			129	99	12	18	
26	cC	1	Total	C	N	O	0
			129	99	12	18	
26	cD	1	Total	C	N	O	0
			86	66	8	12	
26	cD	1	Total	C	N	O	0
			86	66	8	12	
26	cE	1	Total	C	N	O	0
			86	66	8	12	
26	cE	1	Total	C	N	O	0
			86	66	8	12	
26	cF	1	Total	C	N	O	0
			43	33	4	6	
26	cG	1	Total	C	N	O	0
			86	66	8	12	
26	cG	1	Total	C	N	O	0
			86	66	8	12	
26	cH	1	Total	C	N	O	0
			43	33	4	6	
26	cI	1	Total	C	N	O	0
			86	66	8	12	
26	cI	1	Total	C	N	O	0
			86	66	8	12	
26	cJ	1	Total	C	N	O	0
			86	66	8	12	
26	cJ	1	Total	C	N	O	0
			86	66	8	12	
26	cK	1	Total	C	N	O	0
			86	66	8	12	
26	cK	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	cL	1	Total	C	N	O	0
			86	66	8	12	
26	cL	1	Total	C	N	O	0
			86	66	8	12	
26	cM	1	Total	C	N	O	0
			86	66	8	12	
26	cM	1	Total	C	N	O	0
			86	66	8	12	
26	cN	1	Total	C	N	O	0
			43	33	4	6	
26	cO	1	Total	C	N	O	0
			86	66	8	12	
26	cO	1	Total	C	N	O	0
			86	66	8	12	
26	cP	1	Total	C	N	O	0
			86	66	8	12	
26	cP	1	Total	C	N	O	0
			86	66	8	12	
26	cQ	1	Total	C	N	O	0
			43	33	4	6	
26	cR	1	Total	C	N	O	0
			86	66	8	12	
26	cR	1	Total	C	N	O	0
			86	66	8	12	
26	cS	1	Total	C	N	O	0
			86	66	8	12	
26	cS	1	Total	C	N	O	0
			86	66	8	12	
26	cT	1	Total	C	N	O	0
			86	66	8	12	
26	cT	1	Total	C	N	O	0
			86	66	8	12	
26	cU	1	Total	C	N	O	0
			86	66	8	12	
26	cU	1	Total	C	N	O	0
			86	66	8	12	
26	cV	1	Total	C	N	O	0
			129	99	12	18	
26	cV	1	Total	C	N	O	0
			129	99	12	18	
26	cV	1	Total	C	N	O	0
			129	99	12	18	

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Mol	Chain	Residues	Atoms				AltConf
26	cW	1	Total	C	N	O	0
			86	66	8	12	
26	cW	1	Total	C	N	O	0
			86	66	8	12	
26	cX	1	Total	C	N	O	0
			86	66	8	12	
26	cX	1	Total	C	N	O	0
			86	66	8	12	
26	cY	1	Total	C	N	O	0
			86	66	8	12	
26	cY	1	Total	C	N	O	0
			86	66	8	12	
26	cZ	1	Total	C	N	O	0
			86	66	8	12	
26	cZ	1	Total	C	N	O	0
			86	66	8	12	
26	da	1	Total	C	N	O	0
			86	66	8	12	
26	da	1	Total	C	N	O	0
			86	66	8	12	
26	db	1	Total	C	N	O	0
			86	66	8	12	
26	db	1	Total	C	N	O	0
			86	66	8	12	
26	dc	1	Total	C	N	O	0
			129	99	12	18	
26	dc	1	Total	C	N	O	0
			129	99	12	18	
26	dc	1	Total	C	N	O	0
			129	99	12	18	
26	dd	1	Total	C	N	O	0
			86	66	8	12	
26	dd	1	Total	C	N	O	0
			86	66	8	12	
26	de	1	Total	C	N	O	0
			86	66	8	12	
26	de	1	Total	C	N	O	0
			86	66	8	12	
26	df	1	Total	C	N	O	0
			86	66	8	12	
26	df	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	dg	1	Total	C	N	O	0
			86	66	8	12	
26	dg	1	Total	C	N	O	0
			86	66	8	12	
26	dh	1	Total	C	N	O	0
			86	66	8	12	
26	dh	1	Total	C	N	O	0
			86	66	8	12	
26	di	1	Total	C	N	O	0
			86	66	8	12	
26	di	1	Total	C	N	O	0
			86	66	8	12	
26	dj	1	Total	C	N	O	0
			86	66	8	12	
26	dj	1	Total	C	N	O	0
			86	66	8	12	
26	dk	1	Total	C	N	O	0
			86	66	8	12	
26	dk	1	Total	C	N	O	0
			86	66	8	12	
26	dl	1	Total	C	N	O	0
			86	66	8	12	
26	dl	1	Total	C	N	O	0
			86	66	8	12	
26	dm	1	Total	C	N	O	0
			86	66	8	12	
26	dm	1	Total	C	N	O	0
			86	66	8	12	
26	dn	1	Total	C	N	O	0
			86	66	8	12	
26	dn	1	Total	C	N	O	0
			86	66	8	12	
26	do	1	Total	C	N	O	0
			86	66	8	12	
26	do	1	Total	C	N	O	0
			86	66	8	12	
26	dp	1	Total	C	N	O	0
			86	66	8	12	
26	dp	1	Total	C	N	O	0
			86	66	8	12	
26	dq	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	dq	1	Total	C	N	O	0
			86	66	8	12	
26	dr	1	Total	C	N	O	0
			86	66	8	12	
26	dr	1	Total	C	N	O	0
			86	66	8	12	
26	ds	1	Total	C	N	O	0
			86	66	8	12	
26	ds	1	Total	C	N	O	0
			86	66	8	12	
26	dt	1	Total	C	N	O	0
			86	66	8	12	
26	dt	1	Total	C	N	O	0
			86	66	8	12	
26	du	1	Total	C	N	O	0
			129	99	12	18	
26	du	1	Total	C	N	O	0
			129	99	12	18	
26	du	1	Total	C	N	O	0
			129	99	12	18	
26	dv	1	Total	C	N	O	0
			43	33	4	6	
26	dw	1	Total	C	N	O	0
			129	99	12	18	
26	dw	1	Total	C	N	O	0
			129	99	12	18	
26	dw	1	Total	C	N	O	0
			129	99	12	18	
26	dx	1	Total	C	N	O	0
			172	132	16	24	
26	dx	1	Total	C	N	O	0
			172	132	16	24	
26	dx	1	Total	C	N	O	0
			172	132	16	24	
26	dx	1	Total	C	N	O	0
			172	132	16	24	
26	dy	1	Total	C	N	O	0
			43	33	4	6	
26	dz	1	Total	C	N	O	0
			86	66	8	12	
26	dz	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	dA	1	Total	C	N	O	0
			86	66	8	12	
26	dA	1	Total	C	N	O	0
			86	66	8	12	
26	dB	1	Total	C	N	O	0
			43	33	4	6	
26	dC	1	Total	C	N	O	0
			86	66	8	12	
26	dC	1	Total	C	N	O	0
			86	66	8	12	
26	dD	1	Total	C	N	O	0
			86	66	8	12	
26	dD	1	Total	C	N	O	0
			86	66	8	12	
26	dE	1	Total	C	N	O	0
			43	33	4	6	
26	dF	1	Total	C	N	O	0
			86	66	8	12	
26	dF	1	Total	C	N	O	0
			86	66	8	12	
26	dG	1	Total	C	N	O	0
			86	66	8	12	
26	dG	1	Total	C	N	O	0
			86	66	8	12	
26	dH	1	Total	C	N	O	0
			86	66	8	12	
26	dH	1	Total	C	N	O	0
			86	66	8	12	
26	dI	1	Total	C	N	O	0
			86	66	8	12	
26	dI	1	Total	C	N	O	0
			86	66	8	12	
26	dJ	1	Total	C	N	O	0
			86	66	8	12	
26	dJ	1	Total	C	N	O	0
			86	66	8	12	
26	dK	1	Total	C	N	O	0
			86	66	8	12	
26	dK	1	Total	C	N	O	0
			86	66	8	12	
26	dL	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	dL	1	Total	C	N	O	0
			86	66	8	12	
26	dM	1	Total	C	N	O	0
			86	66	8	12	
26	dM	1	Total	C	N	O	0
			86	66	8	12	
26	dN	1	Total	C	N	O	0
			86	66	8	12	
26	dN	1	Total	C	N	O	0
			86	66	8	12	
26	dO	1	Total	C	N	O	0
			86	66	8	12	
26	dO	1	Total	C	N	O	0
			86	66	8	12	
26	dP	1	Total	C	N	O	0
			86	66	8	12	
26	dP	1	Total	C	N	O	0
			86	66	8	12	
26	dQ	1	Total	C	N	O	0
			86	66	8	12	
26	dQ	1	Total	C	N	O	0
			86	66	8	12	
26	dR	1	Total	C	N	O	0
			86	66	8	12	
26	dR	1	Total	C	N	O	0
			86	66	8	12	
26	dS	1	Total	C	N	O	0
			43	33	4	6	
26	dT	1	Total	C	N	O	0
			86	66	8	12	
26	dT	1	Total	C	N	O	0
			86	66	8	12	
26	dU	1	Total	C	N	O	0
			86	66	8	12	
26	dU	1	Total	C	N	O	0
			86	66	8	12	
26	dV	1	Total	C	N	O	0
			86	66	8	12	
26	dV	1	Total	C	N	O	0
			86	66	8	12	
26	dW	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	dW	1	Total	C	N	O	0
			86	66	8	12	
26	dX	1	Total	C	N	O	0
			86	66	8	12	
26	dX	1	Total	C	N	O	0
			86	66	8	12	
26	dY	1	Total	C	N	O	0
			86	66	8	12	
26	dY	1	Total	C	N	O	0
			86	66	8	12	
26	dZ	1	Total	C	N	O	0
			86	66	8	12	
26	dZ	1	Total	C	N	O	0
			86	66	8	12	
26	ea	1	Total	C	N	O	0
			129	99	12	18	
26	ea	1	Total	C	N	O	0
			129	99	12	18	
26	ea	1	Total	C	N	O	0
			129	99	12	18	
26	eb	1	Total	C	N	O	0
			43	33	4	6	
26	ec	1	Total	C	N	O	0
			86	66	8	12	
26	ec	1	Total	C	N	O	0
			86	66	8	12	
26	ed	1	Total	C	N	O	0
			86	66	8	12	
26	ed	1	Total	C	N	O	0
			86	66	8	12	
26	ee	1	Total	C	N	O	0
			86	66	8	12	
26	ee	1	Total	C	N	O	0
			86	66	8	12	
26	ef	1	Total	C	N	O	0
			86	66	8	12	
26	ef	1	Total	C	N	O	0
			86	66	8	12	
26	eg	1	Total	C	N	O	0
			86	66	8	12	
26	eg	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	eh	1	Total	C	N	O	0
			86	66	8	12	
26	eh	1	Total	C	N	O	0
			86	66	8	12	
26	ei	1	Total	C	N	O	0
			86	66	8	12	
26	ei	1	Total	C	N	O	0
			86	66	8	12	
26	ej	1	Total	C	N	O	0
			86	66	8	12	
26	ej	1	Total	C	N	O	0
			86	66	8	12	
26	ek	1	Total	C	N	O	0
			86	66	8	12	
26	ek	1	Total	C	N	O	0
			86	66	8	12	
26	el	1	Total	C	N	O	0
			86	66	8	12	
26	el	1	Total	C	N	O	0
			86	66	8	12	
26	em	1	Total	C	N	O	0
			86	66	8	12	
26	em	1	Total	C	N	O	0
			86	66	8	12	
26	en	1	Total	C	N	O	0
			86	66	8	12	
26	en	1	Total	C	N	O	0
			86	66	8	12	
26	eo	1	Total	C	N	O	0
			86	66	8	12	
26	eo	1	Total	C	N	O	0
			86	66	8	12	
26	ep	1	Total	C	N	O	0
			86	66	8	12	
26	ep	1	Total	C	N	O	0
			86	66	8	12	
26	eq	1	Total	C	N	O	0
			86	66	8	12	
26	eq	1	Total	C	N	O	0
			86	66	8	12	
26	er	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	er	1	Total	C	N	O	0
			86	66	8	12	
26	es	1	Total	C	N	O	0
			86	66	8	12	
26	es	1	Total	C	N	O	0
			86	66	8	12	
26	et	1	Total	C	N	O	0
			86	66	8	12	
26	et	1	Total	C	N	O	0
			86	66	8	12	
26	eu	1	Total	C	N	O	0
			86	66	8	12	
26	eu	1	Total	C	N	O	0
			86	66	8	12	
26	ev	1	Total	C	N	O	0
			86	66	8	12	
26	ev	1	Total	C	N	O	0
			86	66	8	12	
26	ew	1	Total	C	N	O	0
			43	33	4	6	
26	ey	1	Total	C	N	O	0
			129	99	12	18	
26	ey	1	Total	C	N	O	0
			129	99	12	18	
26	ey	1	Total	C	N	O	0
			129	99	12	18	
26	ez	1	Total	C	N	O	0
			129	99	12	18	
26	ez	1	Total	C	N	O	0
			129	99	12	18	
26	ez	1	Total	C	N	O	0
			129	99	12	18	
26	eA	1	Total	C	N	O	0
			86	66	8	12	
26	eA	1	Total	C	N	O	0
			86	66	8	12	
26	eB	1	Total	C	N	O	0
			129	99	12	18	
26	eB	1	Total	C	N	O	0
			129	99	12	18	
26	eB	1	Total	C	N	O	0
			129	99	12	18	

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Mol	Chain	Residues	Atoms				AltConf
26	eC	1	Total	C	N	O	0
			86	66	8	12	
26	eC	1	Total	C	N	O	0
			86	66	8	12	
26	eD	1	Total	C	N	O	0
			86	66	8	12	
26	eD	1	Total	C	N	O	0
			86	66	8	12	
26	eE	1	Total	C	N	O	0
			86	66	8	12	
26	eE	1	Total	C	N	O	0
			86	66	8	12	
26	eF	1	Total	C	N	O	0
			86	66	8	12	
26	eF	1	Total	C	N	O	0
			86	66	8	12	
26	eG	1	Total	C	N	O	0
			86	66	8	12	
26	eG	1	Total	C	N	O	0
			86	66	8	12	
26	eH	1	Total	C	N	O	0
			86	66	8	12	
26	eH	1	Total	C	N	O	0
			86	66	8	12	
26	eI	1	Total	C	N	O	0
			86	66	8	12	
26	eI	1	Total	C	N	O	0
			86	66	8	12	
26	eJ	1	Total	C	N	O	0
			86	66	8	12	
26	eJ	1	Total	C	N	O	0
			86	66	8	12	
26	eK	1	Total	C	N	O	0
			86	66	8	12	
26	eK	1	Total	C	N	O	0
			86	66	8	12	
26	eL	1	Total	C	N	O	0
			86	66	8	12	
26	eL	1	Total	C	N	O	0
			86	66	8	12	
26	eM	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	eM	1	Total	C	N	O	0
			86	66	8	12	
26	eN	1	Total	C	N	O	0
			86	66	8	12	
26	eN	1	Total	C	N	O	0
			86	66	8	12	
26	eO	1	Total	C	N	O	0
			86	66	8	12	
26	eO	1	Total	C	N	O	0
			86	66	8	12	
26	eP	1	Total	C	N	O	0
			129	99	12	18	
26	eP	1	Total	C	N	O	0
			129	99	12	18	
26	eP	1	Total	C	N	O	0
			129	99	12	18	
26	eQ	1	Total	C	N	O	0
			86	66	8	12	
26	eQ	1	Total	C	N	O	0
			86	66	8	12	
26	eR	1	Total	C	N	O	0
			86	66	8	12	
26	eR	1	Total	C	N	O	0
			86	66	8	12	
26	eS	1	Total	C	N	O	0
			86	66	8	12	
26	eS	1	Total	C	N	O	0
			86	66	8	12	
26	eT	1	Total	C	N	O	0
			86	66	8	12	
26	eT	1	Total	C	N	O	0
			86	66	8	12	
26	eU	1	Total	C	N	O	0
			86	66	8	12	
26	eU	1	Total	C	N	O	0
			86	66	8	12	
26	eV	1	Total	C	N	O	0
			86	66	8	12	
26	eV	1	Total	C	N	O	0
			86	66	8	12	
26	eW	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	eW	1	Total	C	N	O	0
			86	66	8	12	
26	eX	1	Total	C	N	O	0
			43	33	4	6	
26	eY	1	Total	C	N	O	0
			86	66	8	12	
26	eY	1	Total	C	N	O	0
			86	66	8	12	
26	eZ	1	Total	C	N	O	0
			43	33	4	6	
26	la	1	Total	C	N	O	0
			86	66	8	12	
26	la	1	Total	C	N	O	0
			86	66	8	12	
26	lb	1	Total	C	N	O	0
			86	66	8	12	
26	lb	1	Total	C	N	O	0
			86	66	8	12	
26	lc	1	Total	C	N	O	0
			86	66	8	12	
26	lc	1	Total	C	N	O	0
			86	66	8	12	
26	ld	1	Total	C	N	O	0
			86	66	8	12	
26	ld	1	Total	C	N	O	0
			86	66	8	12	
26	le	1	Total	C	N	O	0
			86	66	8	12	
26	le	1	Total	C	N	O	0
			86	66	8	12	
26	lf	1	Total	C	N	O	0
			86	66	8	12	
26	lf	1	Total	C	N	O	0
			86	66	8	12	
26	lg	1	Total	C	N	O	0
			86	66	8	12	
26	lg	1	Total	C	N	O	0
			86	66	8	12	
26	lh	1	Total	C	N	O	0
			86	66	8	12	
26	lh	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	li	1	Total	C	N	O	0
			129	99	12	18	
26	li	1	Total	C	N	O	0
			129	99	12	18	
26	li	1	Total	C	N	O	0
			129	99	12	18	
26	lj	1	Total	C	N	O	0
			43	33	4	6	
26	lk	1	Total	C	N	O	0
			86	66	8	12	
26	lk	1	Total	C	N	O	0
			86	66	8	12	
26	ll	1	Total	C	N	O	0
			86	66	8	12	
26	ll	1	Total	C	N	O	0
			86	66	8	12	
26	lm	1	Total	C	N	O	0
			86	66	8	12	
26	lm	1	Total	C	N	O	0
			86	66	8	12	
26	ln	1	Total	C	N	O	0
			86	66	8	12	
26	ln	1	Total	C	N	O	0
			86	66	8	12	
26	lo	1	Total	C	N	O	0
			129	99	12	18	
26	lo	1	Total	C	N	O	0
			129	99	12	18	
26	lo	1	Total	C	N	O	0
			129	99	12	18	
26	lp	1	Total	C	N	O	0
			86	66	8	12	
26	lp	1	Total	C	N	O	0
			86	66	8	12	
26	lq	1	Total	C	N	O	0
			129	99	12	18	
26	lq	1	Total	C	N	O	0
			129	99	12	18	
26	lq	1	Total	C	N	O	0
			129	99	12	18	
26	lr	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	lr	1	Total	C	N	O	0
			86	66	8	12	
26	ls	1	Total	C	N	O	0
			86	66	8	12	
26	ls	1	Total	C	N	O	0
			86	66	8	12	
26	lt	1	Total	C	N	O	0
			86	66	8	12	
26	lt	1	Total	C	N	O	0
			86	66	8	12	
26	lu	1	Total	C	N	O	0
			86	66	8	12	
26	lu	1	Total	C	N	O	0
			86	66	8	12	
26	lv	1	Total	C	N	O	0
			43	33	4	6	
26	lw	1	Total	C	N	O	0
			129	99	12	18	
26	lw	1	Total	C	N	O	0
			129	99	12	18	
26	lw	1	Total	C	N	O	0
			129	99	12	18	
26	ly	1	Total	C	N	O	0
			129	99	12	18	
26	ly	1	Total	C	N	O	0
			129	99	12	18	
26	ly	1	Total	C	N	O	0
			129	99	12	18	
26	lz	1	Total	C	N	O	0
			86	66	8	12	
26	lz	1	Total	C	N	O	0
			86	66	8	12	
26	fa	1	Total	C	N	O	0
			43	33	4	6	
26	fb	1	Total	C	N	O	0
			86	66	8	12	
26	fb	1	Total	C	N	O	0
			86	66	8	12	
26	fc	1	Total	C	N	O	0
			86	66	8	12	
26	fc	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	fd	1	Total	C	N	O	0
			129	99	12	18	
26	fd	1	Total	C	N	O	0
			129	99	12	18	
26	fd	1	Total	C	N	O	0
			129	99	12	18	
26	fe	1	Total	C	N	O	0
			86	66	8	12	
26	fe	1	Total	C	N	O	0
			86	66	8	12	
26	ff	1	Total	C	N	O	0
			129	99	12	18	
26	ff	1	Total	C	N	O	0
			129	99	12	18	
26	ff	1	Total	C	N	O	0
			129	99	12	18	
26	fg	1	Total	C	N	O	0
			86	66	8	12	
26	fg	1	Total	C	N	O	0
			86	66	8	12	
26	fh	1	Total	C	N	O	0
			86	66	8	12	
26	fh	1	Total	C	N	O	0
			86	66	8	12	
26	fi	1	Total	C	N	O	0
			86	66	8	12	
26	fi	1	Total	C	N	O	0
			86	66	8	12	
26	fj	1	Total	C	N	O	0
			86	66	8	12	
26	fj	1	Total	C	N	O	0
			86	66	8	12	
26	fk	1	Total	C	N	O	0
			86	66	8	12	
26	fk	1	Total	C	N	O	0
			86	66	8	12	
26	fl	1	Total	C	N	O	0
			86	66	8	12	
26	fl	1	Total	C	N	O	0
			86	66	8	12	
26	fm	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	fm	1	Total	C	N	O	0
			86	66	8	12	
26	fn	1	Total	C	N	O	0
			86	66	8	12	
26	fn	1	Total	C	N	O	0
			86	66	8	12	
26	fo	1	Total	C	N	O	0
			86	66	8	12	
26	fo	1	Total	C	N	O	0
			86	66	8	12	
26	fp	1	Total	C	N	O	0
			86	66	8	12	
26	fp	1	Total	C	N	O	0
			86	66	8	12	
26	fq	1	Total	C	N	O	0
			86	66	8	12	
26	fq	1	Total	C	N	O	0
			86	66	8	12	
26	fr	1	Total	C	N	O	0
			86	66	8	12	
26	fr	1	Total	C	N	O	0
			86	66	8	12	
26	fs	1	Total	C	N	O	0
			86	66	8	12	
26	fs	1	Total	C	N	O	0
			86	66	8	12	
26	ft	1	Total	C	N	O	0
			86	66	8	12	
26	ft	1	Total	C	N	O	0
			86	66	8	12	
26	fu	1	Total	C	N	O	0
			43	33	4	6	
26	fv	1	Total	C	N	O	0
			86	66	8	12	
26	fv	1	Total	C	N	O	0
			86	66	8	12	
26	fw	1	Total	C	N	O	0
			86	66	8	12	
26	fw	1	Total	C	N	O	0
			86	66	8	12	
26	fx	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	fx	1	Total	C	N	O	0
			86	66	8	12	
26	fy	1	Total	C	N	O	0
			43	33	4	6	
26	fz	1	Total	C	N	O	0
			43	33	4	6	
26	ga	1	Total	C	N	O	0
			86	66	8	12	
26	ga	1	Total	C	N	O	0
			86	66	8	12	
26	gb	1	Total	C	N	O	0
			86	66	8	12	
26	gb	1	Total	C	N	O	0
			86	66	8	12	
26	gc	1	Total	C	N	O	0
			86	66	8	12	
26	gc	1	Total	C	N	O	0
			86	66	8	12	
26	gd	1	Total	C	N	O	0
			43	33	4	6	
26	ge	1	Total	C	N	O	0
			86	66	8	12	
26	ge	1	Total	C	N	O	0
			86	66	8	12	
26	gf	1	Total	C	N	O	0
			86	66	8	12	
26	gf	1	Total	C	N	O	0
			86	66	8	12	
26	gg	1	Total	C	N	O	0
			86	66	8	12	
26	gg	1	Total	C	N	O	0
			86	66	8	12	
26	gh	1	Total	C	N	O	0
			86	66	8	12	
26	gh	1	Total	C	N	O	0
			86	66	8	12	
26	gi	1	Total	C	N	O	0
			86	66	8	12	
26	gi	1	Total	C	N	O	0
			86	66	8	12	
26	gj	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	gj	1	Total	C	N	O	0
			86	66	8	12	
26	gk	1	Total	C	N	O	0
			86	66	8	12	
26	gk	1	Total	C	N	O	0
			86	66	8	12	
26	gl	1	Total	C	N	O	0
			86	66	8	12	
26	gl	1	Total	C	N	O	0
			86	66	8	12	
26	gm	1	Total	C	N	O	0
			86	66	8	12	
26	gm	1	Total	C	N	O	0
			86	66	8	12	
26	gn	1	Total	C	N	O	0
			86	66	8	12	
26	gn	1	Total	C	N	O	0
			86	66	8	12	
26	go	1	Total	C	N	O	0
			86	66	8	12	
26	go	1	Total	C	N	O	0
			86	66	8	12	
26	gp	1	Total	C	N	O	0
			86	66	8	12	
26	gp	1	Total	C	N	O	0
			86	66	8	12	
26	gq	1	Total	C	N	O	0
			86	66	8	12	
26	gq	1	Total	C	N	O	0
			86	66	8	12	
26	gr	1	Total	C	N	O	0
			43	33	4	6	
26	gs	1	Total	C	N	O	0
			86	66	8	12	
26	gs	1	Total	C	N	O	0
			86	66	8	12	
26	gt	1	Total	C	N	O	0
			86	66	8	12	
26	gt	1	Total	C	N	O	0
			86	66	8	12	
26	gu	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	gu	1	Total	C	N	O	0
			86	66	8	12	
26	gv	1	Total	C	N	O	0
			86	66	8	12	
26	gv	1	Total	C	N	O	0
			86	66	8	12	
26	gw	1	Total	C	N	O	0
			86	66	8	12	
26	gw	1	Total	C	N	O	0
			86	66	8	12	
26	gx	1	Total	C	N	O	0
			86	66	8	12	
26	gx	1	Total	C	N	O	0
			86	66	8	12	
26	gy	1	Total	C	N	O	0
			129	99	12	18	
26	gy	1	Total	C	N	O	0
			129	99	12	18	
26	gy	1	Total	C	N	O	0
			129	99	12	18	
26	gz	1	Total	C	N	O	0
			129	99	12	18	
26	gz	1	Total	C	N	O	0
			129	99	12	18	
26	gz	1	Total	C	N	O	0
			129	99	12	18	
26	hA	1	Total	C	N	O	0
			86	66	8	12	
26	hA	1	Total	C	N	O	0
			86	66	8	12	
26	hB	1	Total	C	N	O	0
			86	66	8	12	
26	hB	1	Total	C	N	O	0
			86	66	8	12	
26	hC	1	Total	C	N	O	0
			86	66	8	12	
26	hC	1	Total	C	N	O	0
			86	66	8	12	
26	hD	1	Total	C	N	O	0
			86	66	8	12	
26	hD	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	hE	1	Total	C	N	O	0
			86	66	8	12	
26	hE	1	Total	C	N	O	0
			86	66	8	12	
26	hF	1	Total	C	N	O	0
			86	66	8	12	
26	hF	1	Total	C	N	O	0
			86	66	8	12	
26	hG	1	Total	C	N	O	0
			43	33	4	6	
26	hH	1	Total	C	N	O	0
			86	66	8	12	
26	hH	1	Total	C	N	O	0
			86	66	8	12	
26	hI	1	Total	C	N	O	0
			86	66	8	12	
26	hI	1	Total	C	N	O	0
			86	66	8	12	
26	hJ	1	Total	C	N	O	0
			86	66	8	12	
26	hJ	1	Total	C	N	O	0
			86	66	8	12	
26	hK	1	Total	C	N	O	0
			86	66	8	12	
26	hK	1	Total	C	N	O	0
			86	66	8	12	
26	hL	1	Total	C	N	O	0
			86	66	8	12	
26	hL	1	Total	C	N	O	0
			86	66	8	12	
26	hM	1	Total	C	N	O	0
			86	66	8	12	
26	hM	1	Total	C	N	O	0
			86	66	8	12	
26	hN	1	Total	C	N	O	0
			86	66	8	12	
26	hN	1	Total	C	N	O	0
			86	66	8	12	
26	hO	1	Total	C	N	O	0
			86	66	8	12	
26	hO	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	hP	1	Total	C	N	O	0
			86	66	8	12	
26	hP	1	Total	C	N	O	0
			86	66	8	12	
26	hQ	1	Total	C	N	O	0
			86	66	8	12	
26	hQ	1	Total	C	N	O	0
			86	66	8	12	
26	hR	1	Total	C	N	O	0
			86	66	8	12	
26	hR	1	Total	C	N	O	0
			86	66	8	12	
26	hS	1	Total	C	N	O	0
			86	66	8	12	
26	hS	1	Total	C	N	O	0
			86	66	8	12	
26	hT	1	Total	C	N	O	0
			129	99	12	18	
26	hT	1	Total	C	N	O	0
			129	99	12	18	
26	hT	1	Total	C	N	O	0
			129	99	12	18	
26	hU	1	Total	C	N	O	0
			43	33	4	6	
26	hV	1	Total	C	N	O	0
			86	66	8	12	
26	hV	1	Total	C	N	O	0
			86	66	8	12	
26	hW	1	Total	C	N	O	0
			86	66	8	12	
26	hW	1	Total	C	N	O	0
			86	66	8	12	
26	hX	1	Total	C	N	O	0
			86	66	8	12	
26	hX	1	Total	C	N	O	0
			86	66	8	12	
26	hY	1	Total	C	N	O	0
			129	99	12	18	
26	hY	1	Total	C	N	O	0
			129	99	12	18	
26	hY	1	Total	C	N	O	0
			129	99	12	18	

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Mol	Chain	Residues	Atoms				AltConf
26	hZ	1	Total	C	N	O	0
			86	66	8	12	
26	hZ	1	Total	C	N	O	0
			86	66	8	12	
26	iA	1	Total	C	N	O	0
			86	66	8	12	
26	iA	1	Total	C	N	O	0
			86	66	8	12	
26	iB	1	Total	C	N	O	0
			86	66	8	12	
26	iB	1	Total	C	N	O	0
			86	66	8	12	
26	iC	1	Total	C	N	O	0
			86	66	8	12	
26	iC	1	Total	C	N	O	0
			86	66	8	12	
26	iD	1	Total	C	N	O	0
			86	66	8	12	
26	iD	1	Total	C	N	O	0
			86	66	8	12	
26	iE	1	Total	C	N	O	0
			86	66	8	12	
26	iE	1	Total	C	N	O	0
			86	66	8	12	
26	iF	1	Total	C	N	O	0
			86	66	8	12	
26	iF	1	Total	C	N	O	0
			86	66	8	12	
26	iG	1	Total	C	N	O	0
			43	33	4	6	
26	iH	1	Total	C	N	O	0
			43	33	4	6	
26	jI	1	Total	C	N	O	0
			86	66	8	12	
26	jI	1	Total	C	N	O	0
			86	66	8	12	
26	jJ	1	Total	C	N	O	0
			86	66	8	12	
26	jJ	1	Total	C	N	O	0
			86	66	8	12	
26	jK	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
26	jK	1	Total	C	N	O	0
			86	66	8	12	
26	jL	1	Total	C	N	O	0
			86	66	8	12	
26	jL	1	Total	C	N	O	0
			86	66	8	12	
26	jM	1	Total	C	N	O	0
			86	66	8	12	
26	jM	1	Total	C	N	O	0
			86	66	8	12	
26	jN	1	Total	C	N	O	0
			86	66	8	12	
26	jN	1	Total	C	N	O	0
			86	66	8	12	
26	jO	1	Total	C	N	O	0
			86	66	8	12	
26	jO	1	Total	C	N	O	0
			86	66	8	12	
26	jP	1	Total	C	N	O	0
			86	66	8	12	
26	jP	1	Total	C	N	O	0
			86	66	8	12	
26	kQ	1	Total	C	N	O	0
			86	66	8	12	
26	kQ	1	Total	C	N	O	0
			86	66	8	12	
26	kR	1	Total	C	N	O	0
			86	66	8	12	
26	kR	1	Total	C	N	O	0
			86	66	8	12	
26	kS	1	Total	C	N	O	0
			86	66	8	12	
26	kS	1	Total	C	N	O	0
			86	66	8	12	
26	kT	1	Total	C	N	O	0
			86	66	8	12	
26	kT	1	Total	C	N	O	0
			86	66	8	12	
26	kU	1	Total	C	N	O	0
			86	66	8	12	
26	kU	1	Total	C	N	O	0
			86	66	8	12	

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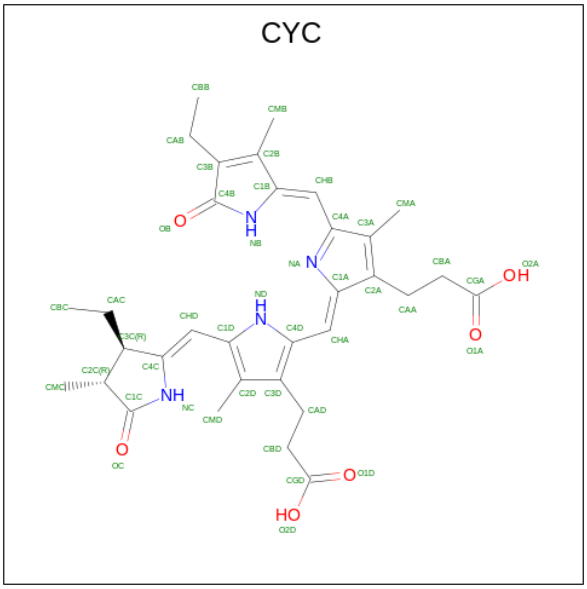
Mol	Chain	Residues	Atoms	AltConf
26	kV	1	Total C N O 86 66 8 12	0
26	kV	1	Total C N O 86 66 8 12	0
26	kW	1	Total C N O 86 66 8 12	0
26	kW	1	Total C N O 86 66 8 12	0
26	kX	1	Total C N O 86 66 8 12	0
26	kX	1	Total C N O 86 66 8 12	0

- Molecule 27 is PHYCOCYANOBILIN (three-letter code: CYC) (formula: $C_{33}H_{40}N_4O_6$).



Mol	Chain	Residues	Atoms	AltConf
27	G1	1	Total C N O 43 33 4 6	0
27	H1	1	Total C N O 43 33 4 6	0
27	I1	1	Total C N O 43 33 4 6	0
27	J1	1	Total C N O 43 33 4 6	0
27	K1	1	Total C N O 43 33 4 6	0

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Mol	Chain	Residues	Atoms				AltConf
27	L1	1	Total	C	N	O	0
			43	33	4	6	
27	M1	1	Total	C	N	O	0
			43	33	4	6	
27	N1	1	Total	C	N	O	0
			43	33	4	6	
27	O1	1	Total	C	N	O	0
			43	33	4	6	
27	P1	1	Total	C	N	O	0
			43	33	4	6	
27	Q1	1	Total	C	N	O	0
			43	33	4	6	
27	R1	1	Total	C	N	O	0
			43	33	4	6	
27	S1	1	Total	C	N	O	0
			86	66	8	12	
27	S1	1	Total	C	N	O	0
			86	66	8	12	
27	U1	1	Total	C	N	O	0
			43	33	4	6	
27	V1	1	Total	C	N	O	0
			43	33	4	6	
27	W1	1	Total	C	N	O	0
			43	33	4	6	
27	X1	1	Total	C	N	O	0
			43	33	4	6	
27	Y1	1	Total	C	N	O	0
			43	33	4	6	
27	Z1	1	Total	C	N	O	0
			43	33	4	6	
27	a1	1	Total	C	N	O	0
			43	33	4	6	
27	b1	1	Total	C	N	O	0
			43	33	4	6	
27	c1	1	Total	C	N	O	0
			43	33	4	6	
27	d1	1	Total	C	N	O	0
			43	33	4	6	
27	e1	1	Total	C	N	O	0
			43	33	4	6	
27	f1	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
27	g1	1	Total	C	N	O	0
			43	33	4	6	
27	h1	1	Total	C	N	O	0
			43	33	4	6	
27	i1	1	Total	C	N	O	0
			43	33	4	6	
27	j1	1	Total	C	N	O	0
			43	33	4	6	
27	k1	1	Total	C	N	O	0
			43	33	4	6	
27	m1	1	Total	C	N	O	0
			43	33	4	6	
27	n1	1	Total	C	N	O	0
			43	33	4	6	
27	o1	1	Total	C	N	O	0
			43	33	4	6	
27	p1	1	Total	C	N	O	0
			43	33	4	6	
27	q1	1	Total	C	N	O	0
			43	33	4	6	
27	r1	1	Total	C	N	O	0
			43	33	4	6	
27	s1	1	Total	C	N	O	0
			43	33	4	6	
27	t1	1	Total	C	N	O	0
			43	33	4	6	
27	u1	1	Total	C	N	O	0
			43	33	4	6	
27	v1	1	Total	C	N	O	0
			43	33	4	6	
27	w1	1	Total	C	N	O	0
			43	33	4	6	
27	y1	1	Total	C	N	O	0
			43	33	4	6	
27	z1	1	Total	C	N	O	0
			43	33	4	6	
27	a2	1	Total	C	N	O	0
			86	66	8	12	
27	a2	1	Total	C	N	O	0
			86	66	8	12	
27	b2	1	Total	C	N	O	0
			43	33	4	6	

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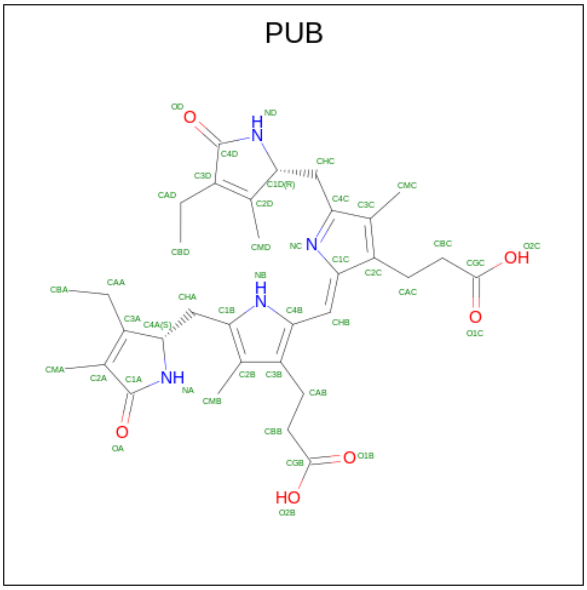
Mol	Chain	Residues	Atoms				AltConf
27	d2	1	Total	C	N	O	0
			43	33	4	6	

- Molecule 28 is PHYCOUROBILIN (three-letter code: PUB) (formula: $C_{33}H_{42}N_4O_6$).



Mol	Chain	Residues	Atoms				AltConf
28	f2	1	Total	C	N	O	0
			43	33	4	6	
28	h2	1	Total	C	N	O	0
			43	33	4	6	
28	j2	1	Total	C	N	O	0
			43	33	4	6	
28	l2	1	Total	C	N	O	0
			43	33	4	6	
28	n2	1	Total	C	N	O	0
			43	33	4	6	
28	p2	1	Total	C	N	O	0
			43	33	4	6	
28	r2	1	Total	C	N	O	0
			43	33	4	6	
28	t2	1	Total	C	N	O	0
			43	33	4	6	
28	v2	1	Total	C	N	O	0
			43	33	4	6	
28	x2	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	z2	1	Total	C	N	O	0
			43	33	4	6	
28	A2	1	Total	C	N	O	0
			86	66	8	12	
28	A2	1	Total	C	N	O	0
			86	66	8	12	
28	C2	1	Total	C	N	O	0
			86	66	8	12	
28	C2	1	Total	C	N	O	0
			86	66	8	12	
28	D2	1	Total	C	N	O	0
			86	66	8	12	
28	D2	1	Total	C	N	O	0
			86	66	8	12	
28	F2	1	Total	C	N	O	0
			43	33	4	6	
28	H2	1	Total	C	N	O	0
			43	33	4	6	
28	J2	1	Total	C	N	O	0
			43	33	4	6	
28	L2	1	Total	C	N	O	0
			43	33	4	6	
28	N2	1	Total	C	N	O	0
			43	33	4	6	
28	P2	1	Total	C	N	O	0
			43	33	4	6	
28	R2	1	Total	C	N	O	0
			43	33	4	6	
28	T2	1	Total	C	N	O	0
			43	33	4	6	
28	V2	1	Total	C	N	O	0
			43	33	4	6	
28	X2	1	Total	C	N	O	0
			43	33	4	6	
28	Z2	1	Total	C	N	O	0
			43	33	4	6	
28	B3	1	Total	C	N	O	0
			43	33	4	6	
28	D3	1	Total	C	N	O	0
			43	33	4	6	
28	F3	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	H3	1	Total	C	N	O	0
			43	33	4	6	
28	J3	1	Total	C	N	O	0
			43	33	4	6	
28	L3	1	Total	C	N	O	0
			43	33	4	6	
28	N3	1	Total	C	N	O	0
			43	33	4	6	
28	P3	1	Total	C	N	O	0
			43	33	4	6	
28	R3	1	Total	C	N	O	0
			43	33	4	6	
28	T3	1	Total	C	N	O	0
			43	33	4	6	
28	V3	1	Total	C	N	O	0
			43	33	4	6	
28	X3	1	Total	C	N	O	0
			43	33	4	6	
28	Z3	1	Total	C	N	O	0
			43	33	4	6	
28	a3	1	Total	C	N	O	0
			86	66	8	12	
28	a3	1	Total	C	N	O	0
			86	66	8	12	
28	c3	1	Total	C	N	O	0
			86	66	8	12	
28	c3	1	Total	C	N	O	0
			86	66	8	12	
28	d3	1	Total	C	N	O	0
			86	66	8	12	
28	d3	1	Total	C	N	O	0
			86	66	8	12	
28	f3	1	Total	C	N	O	0
			43	33	4	6	
28	h3	1	Total	C	N	O	0
			43	33	4	6	
28	j3	1	Total	C	N	O	0
			43	33	4	6	
28	l3	1	Total	C	N	O	0
			43	33	4	6	
28	n3	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	p3	1	Total	C	N	O	0
			43	33	4	6	
28	r3	1	Total	C	N	O	0
			43	33	4	6	
28	t3	1	Total	C	N	O	0
			43	33	4	6	
28	v3	1	Total	C	N	O	0
			43	33	4	6	
28	x3	1	Total	C	N	O	0
			43	33	4	6	
28	z3	1	Total	C	N	O	0
			43	33	4	6	
28	B4	1	Total	C	N	O	0
			43	33	4	6	
28	D4	1	Total	C	N	O	0
			43	33	4	6	
28	F4	1	Total	C	N	O	0
			43	33	4	6	
28	H4	1	Total	C	N	O	0
			43	33	4	6	
28	J4	1	Total	C	N	O	0
			43	33	4	6	
28	L4	1	Total	C	N	O	0
			43	33	4	6	
28	N4	1	Total	C	N	O	0
			43	33	4	6	
28	P4	1	Total	C	N	O	0
			43	33	4	6	
28	R4	1	Total	C	N	O	0
			43	33	4	6	
28	T4	1	Total	C	N	O	0
			43	33	4	6	
28	V4	1	Total	C	N	O	0
			43	33	4	6	
28	X4	1	Total	C	N	O	0
			43	33	4	6	
28	Z4	1	Total	C	N	O	0
			43	33	4	6	
28	34	1	Total	C	N	O	0
			86	66	8	12	
28	34	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
28	44	1	Total	C	N	O	0
			86	66	8	12	
28	44	1	Total	C	N	O	0
			86	66	8	12	
28	n4	1	Total	C	N	O	0
			43	33	4	6	
28	p4	1	Total	C	N	O	0
			43	33	4	6	
28	r4	1	Total	C	N	O	0
			43	33	4	6	
28	t4	1	Total	C	N	O	0
			43	33	4	6	
28	v4	1	Total	C	N	O	0
			43	33	4	6	
28	x4	1	Total	C	N	O	0
			43	33	4	6	
28	z4	1	Total	C	N	O	0
			43	33	4	6	
28	B5	1	Total	C	N	O	0
			43	33	4	6	
28	D5	1	Total	C	N	O	0
			43	33	4	6	
28	F5	1	Total	C	N	O	0
			43	33	4	6	
28	H5	1	Total	C	N	O	0
			43	33	4	6	
28	J5	1	Total	C	N	O	0
			43	33	4	6	
28	L5	1	Total	C	N	O	0
			43	33	4	6	
28	N5	1	Total	C	N	O	0
			43	33	4	6	
28	P5	1	Total	C	N	O	0
			43	33	4	6	
28	R5	1	Total	C	N	O	0
			43	33	4	6	
28	T5	1	Total	C	N	O	0
			43	33	4	6	
28	V5	1	Total	C	N	O	0
			43	33	4	6	
28	Y5	1	Total	C	N	O	0
			86	66	8	12	

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Mol	Chain	Residues	Atoms				AltConf
28	Y5	1	Total	C	N	O	0
			86	66	8	12	
28	Z5	1	Total	C	N	O	0
			86	66	8	12	
28	Z5	1	Total	C	N	O	0
			86	66	8	12	
28	n5	1	Total	C	N	O	0
			43	33	4	6	
28	p5	1	Total	C	N	O	0
			43	33	4	6	
28	r5	1	Total	C	N	O	0
			43	33	4	6	
28	t5	1	Total	C	N	O	0
			43	33	4	6	
28	v5	1	Total	C	N	O	0
			43	33	4	6	
28	x5	1	Total	C	N	O	0
			43	33	4	6	
28	z5	1	Total	C	N	O	0
			43	33	4	6	
28	f8	1	Total	C	N	O	0
			43	33	4	6	
28	g8	1	Total	C	N	O	0
			43	33	4	6	
28	h8	1	Total	C	N	O	0
			43	33	4	6	
28	B6	1	Total	C	N	O	0
			43	33	4	6	
28	D6	1	Total	C	N	O	0
			43	33	4	6	
28	F6	1	Total	C	N	O	0
			43	33	4	6	
28	H6	1	Total	C	N	O	0
			43	33	4	6	
28	J6	1	Total	C	N	O	0
			43	33	4	6	
28	L6	1	Total	C	N	O	0
			43	33	4	6	
28	N6	1	Total	C	N	O	0
			43	33	4	6	
28	P6	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	R6	1	Total	C	N	O	0
			43	33	4	6	
28	T6	1	Total	C	N	O	0
			43	33	4	6	
28	V6	1	Total	C	N	O	0
			43	33	4	6	
28	X6	1	Total	C	N	O	0
			43	33	4	6	
28	Z6	1	Total	C	N	O	0
			43	33	4	6	
28	a6	1	Total	C	N	O	0
			43	33	4	6	
28	b6	1	Total	C	N	O	0
			43	33	4	6	
28	c6	1	Total	C	N	O	0
			43	33	4	6	
28	d6	1	Total	C	N	O	0
			43	33	4	6	
28	e6	1	Total	C	N	O	0
			43	33	4	6	
28	l6	1	Total	C	N	O	0
			43	33	4	6	
28	n6	1	Total	C	N	O	0
			43	33	4	6	
28	p6	1	Total	C	N	O	0
			43	33	4	6	
28	r6	1	Total	C	N	O	0
			43	33	4	6	
28	t6	1	Total	C	N	O	0
			43	33	4	6	
28	u6	1	Total	C	N	O	0
			43	33	4	6	
28	v6	1	Total	C	N	O	0
			43	33	4	6	
28	x6	1	Total	C	N	O	0
			43	33	4	6	
28	y6	1	Total	C	N	O	0
			43	33	4	6	
28	z6	1	Total	C	N	O	0
			43	33	4	6	
28	n8	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	o8	1	Total	C	N	O	0
			43	33	4	6	
28	p8	1	Total	C	N	O	0
			43	33	4	6	
28	B7	1	Total	C	N	O	0
			43	33	4	6	
28	D7	1	Total	C	N	O	0
			43	33	4	6	
28	F7	1	Total	C	N	O	0
			43	33	4	6	
28	H7	1	Total	C	N	O	0
			43	33	4	6	
28	J7	1	Total	C	N	O	0
			43	33	4	6	
28	L7	1	Total	C	N	O	0
			43	33	4	6	
28	N7	1	Total	C	N	O	0
			43	33	4	6	
28	P7	1	Total	C	N	O	0
			43	33	4	6	
28	R7	1	Total	C	N	O	0
			43	33	4	6	
28	T7	1	Total	C	N	O	0
			43	33	4	6	
28	V7	1	Total	C	N	O	0
			43	33	4	6	
28	X7	1	Total	C	N	O	0
			43	33	4	6	
28	Z7	1	Total	C	N	O	0
			43	33	4	6	
28	a7	1	Total	C	N	O	0
			43	33	4	6	
28	b7	1	Total	C	N	O	0
			43	33	4	6	
28	c7	1	Total	C	N	O	0
			43	33	4	6	
28	d7	1	Total	C	N	O	0
			43	33	4	6	
28	e7	1	Total	C	N	O	0
			43	33	4	6	
28	l7	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	n7	1	Total	C	N	O	0
			43	33	4	6	
28	p7	1	Total	C	N	O	0
			43	33	4	6	
28	r7	1	Total	C	N	O	0
			43	33	4	6	
28	s7	1	Total	C	N	O	0
			43	33	4	6	
28	t7	1	Total	C	N	O	0
			43	33	4	6	
28	v7	1	Total	C	N	O	0
			43	33	4	6	
28	x7	1	Total	C	N	O	0
			43	33	4	6	
28	y7	1	Total	C	N	O	0
			43	33	4	6	
28	z7	1	Total	C	N	O	0
			43	33	4	6	
28	b8	1	Total	C	N	O	0
			86	66	8	12	
28	b8	1	Total	C	N	O	0
			86	66	8	12	
28	c8	1	Total	C	N	O	0
			86	66	8	12	
28	c8	1	Total	C	N	O	0
			86	66	8	12	
28	d8	1	Total	C	N	O	0
			43	33	4	6	
28	e8	1	Total	C	N	O	0
			86	66	8	12	
28	e8	1	Total	C	N	O	0
			86	66	8	12	
28	b9	1	Total	C	N	O	0
			86	66	8	12	
28	b9	1	Total	C	N	O	0
			86	66	8	12	
28	c9	1	Total	C	N	O	0
			86	66	8	12	
28	c9	1	Total	C	N	O	0
			86	66	8	12	
28	d9	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	e9	1	Total	C	N	O	0
			86	66	8	12	
28	e9	1	Total	C	N	O	0
			86	66	8	12	
28	w8	1	Total	C	N	O	0
			43	33	4	6	
28	y8	1	Total	C	N	O	0
			43	33	4	6	
28	A8	1	Total	C	N	O	0
			43	33	4	6	
28	C8	1	Total	C	N	O	0
			43	33	4	6	
28	E8	1	Total	C	N	O	0
			43	33	4	6	
28	G8	1	Total	C	N	O	0
			43	33	4	6	
28	I8	1	Total	C	N	O	0
			43	33	4	6	
28	K8	1	Total	C	N	O	0
			43	33	4	6	
28	M8	1	Total	C	N	O	0
			43	33	4	6	
28	O8	1	Total	C	N	O	0
			43	33	4	6	
28	Q8	1	Total	C	N	O	0
			43	33	4	6	
28	T8	1	Total	C	N	O	0
			86	66	8	12	
28	T8	1	Total	C	N	O	0
			86	66	8	12	
28	U8	1	Total	C	N	O	0
			86	66	8	12	
28	U8	1	Total	C	N	O	0
			86	66	8	12	
28	n9	1	Total	C	N	O	0
			43	33	4	6	
28	p9	1	Total	C	N	O	0
			43	33	4	6	
28	r9	1	Total	C	N	O	0
			43	33	4	6	
28	t9	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	v9	1	Total	C	N	O	0
			43	33	4	6	
28	x9	1	Total	C	N	O	0
			43	33	4	6	
28	z9	1	Total	C	N	O	0
			43	33	4	6	
28	B9	1	Total	C	N	O	0
			43	33	4	6	
28	D9	1	Total	C	N	O	0
			43	33	4	6	
28	F9	1	Total	C	N	O	0
			43	33	4	6	
28	H9	1	Total	C	N	O	0
			43	33	4	6	
28	J9	1	Total	C	N	O	0
			43	33	4	6	
28	L9	1	Total	C	N	O	0
			43	33	4	6	
28	N9	1	Total	C	N	O	0
			43	33	4	6	
28	P9	1	Total	C	N	O	0
			43	33	4	6	
28	R9	1	Total	C	N	O	0
			43	33	4	6	
28	T9	1	Total	C	N	O	0
			43	33	4	6	
28	V9	1	Total	C	N	O	0
			43	33	4	6	
28	Y9	1	Total	C	N	O	0
			86	66	8	12	
28	Y9	1	Total	C	N	O	0
			86	66	8	12	
28	Z9	1	Total	C	N	O	0
			86	66	8	12	
28	Z9	1	Total	C	N	O	0
			86	66	8	12	
28	an	1	Total	C	N	O	0
			43	33	4	6	
28	ap	1	Total	C	N	O	0
			43	33	4	6	
28	ar	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	at	1	Total	C	N	O	0
			43	33	4	6	
28	av	1	Total	C	N	O	0
			43	33	4	6	
28	ax	1	Total	C	N	O	0
			43	33	4	6	
28	az	1	Total	C	N	O	0
			43	33	4	6	
28	aB	1	Total	C	N	O	0
			43	33	4	6	
28	aD	1	Total	C	N	O	0
			43	33	4	6	
28	aF	1	Total	C	N	O	0
			43	33	4	6	
28	aH	1	Total	C	N	O	0
			43	33	4	6	
28	aJ	1	Total	C	N	O	0
			43	33	4	6	
28	aL	1	Total	C	N	O	0
			43	33	4	6	
28	aN	1	Total	C	N	O	0
			43	33	4	6	
28	aP	1	Total	C	N	O	0
			43	33	4	6	
28	aR	1	Total	C	N	O	0
			43	33	4	6	
28	aT	1	Total	C	N	O	0
			43	33	4	6	
28	aV	1	Total	C	N	O	0
			43	33	4	6	
28	aY	1	Total	C	N	O	0
			86	66	8	12	
28	aY	1	Total	C	N	O	0
			86	66	8	12	
28	aZ	1	Total	C	N	O	0
			86	66	8	12	
28	aZ	1	Total	C	N	O	0
			86	66	8	12	
28	bn	1	Total	C	N	O	0
			43	33	4	6	
28	bo	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	bp	1	Total	C	N	O	0
			43	33	4	6	
28	bq	1	Total	C	N	O	0
			43	33	4	6	
28	br	1	Total	C	N	O	0
			43	33	4	6	
28	bs	1	Total	C	N	O	0
			43	33	4	6	
28	bz	1	Total	C	N	O	0
			43	33	4	6	
28	bB	1	Total	C	N	O	0
			43	33	4	6	
28	bD	1	Total	C	N	O	0
			43	33	4	6	
28	bF	1	Total	C	N	O	0
			43	33	4	6	
28	bH	1	Total	C	N	O	0
			43	33	4	6	
28	bJ	1	Total	C	N	O	0
			43	33	4	6	
28	bL	1	Total	C	N	O	0
			43	33	4	6	
28	bN	1	Total	C	N	O	0
			43	33	4	6	
28	bP	1	Total	C	N	O	0
			43	33	4	6	
28	bR	1	Total	C	N	O	0
			43	33	4	6	
28	bT	1	Total	C	N	O	0
			43	33	4	6	
28	bV	1	Total	C	N	O	0
			43	33	4	6	
28	bY	1	Total	C	N	O	0
			86	66	8	12	
28	bY	1	Total	C	N	O	0
			86	66	8	12	
28	bZ	1	Total	C	N	O	0
			86	66	8	12	
28	bZ	1	Total	C	N	O	0
			86	66	8	12	
28	cn	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	co	1	Total	C	N	O	0
			43	33	4	6	
28	cp	1	Total	C	N	O	0
			43	33	4	6	
28	cq	1	Total	C	N	O	0
			43	33	4	6	
28	cr	1	Total	C	N	O	0
			43	33	4	6	
28	cs	1	Total	C	N	O	0
			43	33	4	6	
28	cz	1	Total	C	N	O	0
			43	33	4	6	
28	cB	1	Total	C	N	O	0
			43	33	4	6	
28	cE	1	Total	C	N	O	0
			43	33	4	6	
28	cF	1	Total	C	N	O	0
			43	33	4	6	
28	cH	1	Total	C	N	O	0
			43	33	4	6	
28	cJ	1	Total	C	N	O	0
			43	33	4	6	
28	cL	1	Total	C	N	O	0
			43	33	4	6	
28	cM	1	Total	C	N	O	0
			43	33	4	6	
28	cN	1	Total	C	N	O	0
			43	33	4	6	
28	cO	1	Total	C	N	O	0
			43	33	4	6	
28	cP	1	Total	C	N	O	0
			43	33	4	6	
28	cQ	1	Total	C	N	O	0
			43	33	4	6	
28	cR	1	Total	C	N	O	0
			43	33	4	6	
28	cY	1	Total	C	N	O	0
			43	33	4	6	
28	dd	1	Total	C	N	O	0
			43	33	4	6	
28	df	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	dh	1	Total	C	N	O	0
			43	33	4	6	
28	di	1	Total	C	N	O	0
			43	33	4	6	
28	dj	1	Total	C	N	O	0
			43	33	4	6	
28	dl	1	Total	C	N	O	0
			43	33	4	6	
28	dn	1	Total	C	N	O	0
			43	33	4	6	
28	dp	1	Total	C	N	O	0
			43	33	4	6	
28	dr	1	Total	C	N	O	0
			43	33	4	6	
28	dt	1	Total	C	N	O	0
			43	33	4	6	
28	dv	1	Total	C	N	O	0
			43	33	4	6	
28	dw	1	Total	C	N	O	0
			86	66	8	12	
28	dw	1	Total	C	N	O	0
			86	66	8	12	
28	dx	1	Total	C	N	O	0
			86	66	8	12	
28	dx	1	Total	C	N	O	0
			86	66	8	12	
28	dB	1	Total	C	N	O	0
			43	33	4	6	
28	dD	1	Total	C	N	O	0
			43	33	4	6	
28	dF	1	Total	C	N	O	0
			43	33	4	6	
28	dH	1	Total	C	N	O	0
			43	33	4	6	
28	dK	1	Total	C	N	O	0
			43	33	4	6	
28	dL	1	Total	C	N	O	0
			43	33	4	6	
28	dN	1	Total	C	N	O	0
			43	33	4	6	
28	dP	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	dR	1	Total	C	N	O	0
			43	33	4	6	
28	dT	1	Total	C	N	O	0
			43	33	4	6	
28	dV	1	Total	C	N	O	0
			43	33	4	6	
28	dX	1	Total	C	N	O	0
			43	33	4	6	
28	dY	1	Total	C	N	O	0
			43	33	4	6	
28	eb	1	Total	C	N	O	0
			43	33	4	6	
28	ec	1	Total	C	N	O	0
			43	33	4	6	
28	ee	1	Total	C	N	O	0
			43	33	4	6	
28	eg	1	Total	C	N	O	0
			43	33	4	6	
28	ei	1	Total	C	N	O	0
			43	33	4	6	
28	el	1	Total	C	N	O	0
			43	33	4	6	
28	en	1	Total	C	N	O	0
			43	33	4	6	
28	ep	1	Total	C	N	O	0
			43	33	4	6	
28	er	1	Total	C	N	O	0
			43	33	4	6	
28	et	1	Total	C	N	O	0
			43	33	4	6	
28	ev	1	Total	C	N	O	0
			43	33	4	6	
28	ey	1	Total	C	N	O	0
			86	66	8	12	
28	ey	1	Total	C	N	O	0
			86	66	8	12	
28	ez	1	Total	C	N	O	0
			86	66	8	12	
28	ez	1	Total	C	N	O	0
			86	66	8	12	
28	eB	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	eD	1	Total	C	N	O	0
			43	33	4	6	
28	eF	1	Total	C	N	O	0
			43	33	4	6	
28	eH	1	Total	C	N	O	0
			43	33	4	6	
28	eJ	1	Total	C	N	O	0
			43	33	4	6	
28	eL	1	Total	C	N	O	0
			43	33	4	6	
28	eN	1	Total	C	N	O	0
			43	33	4	6	
28	eP	1	Total	C	N	O	0
			43	33	4	6	
28	eR	1	Total	C	N	O	0
			43	33	4	6	
28	eT	1	Total	C	N	O	0
			43	33	4	6	
28	eV	1	Total	C	N	O	0
			43	33	4	6	
28	eX	1	Total	C	N	O	0
			43	33	4	6	
28	eY	1	Total	C	N	O	0
			86	66	8	12	
28	eY	1	Total	C	N	O	0
			86	66	8	12	
28	eZ	1	Total	C	N	O	0
			86	66	8	12	
28	eZ	1	Total	C	N	O	0
			86	66	8	12	
28	lb	1	Total	C	N	O	0
			43	33	4	6	
28	ld	1	Total	C	N	O	0
			43	33	4	6	
28	lf	1	Total	C	N	O	0
			43	33	4	6	
28	lh	1	Total	C	N	O	0
			43	33	4	6	
28	lj	1	Total	C	N	O	0
			43	33	4	6	
28	ll	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	ln	1	Total	C	N	O	0
			43	33	4	6	
28	lp	1	Total	C	N	O	0
			43	33	4	6	
28	lr	1	Total	C	N	O	0
			43	33	4	6	
28	lt	1	Total	C	N	O	0
			43	33	4	6	
28	lv	1	Total	C	N	O	0
			43	33	4	6	
28	lx	1	Total	C	N	O	0
			43	33	4	6	
28	ly	1	Total	C	N	O	0
			86	66	8	12	
28	ly	1	Total	C	N	O	0
			86	66	8	12	
28	lz	1	Total	C	N	O	0
			86	66	8	12	
28	lz	1	Total	C	N	O	0
			86	66	8	12	
28	fa	1	Total	C	N	O	0
			43	33	4	6	
28	fc	1	Total	C	N	O	0
			43	33	4	6	
28	ff	1	Total	C	N	O	0
			43	33	4	6	
28	fi	1	Total	C	N	O	0
			43	33	4	6	
28	fj	1	Total	C	N	O	0
			43	33	4	6	
28	fm	1	Total	C	N	O	0
			43	33	4	6	
28	fo	1	Total	C	N	O	0
			43	33	4	6	
28	fq	1	Total	C	N	O	0
			43	33	4	6	
28	fs	1	Total	C	N	O	0
			43	33	4	6	
28	fu	1	Total	C	N	O	0
			43	33	4	6	
28	fw	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	fy	1	Total	C	N	O	0
			43	33	4	6	
28	ga	1	Total	C	N	O	0
			43	33	4	6	
28	gd	1	Total	C	N	O	0
			43	33	4	6	
28	ge	1	Total	C	N	O	0
			43	33	4	6	
28	gg	1	Total	C	N	O	0
			43	33	4	6	
28	gi	1	Total	C	N	O	0
			43	33	4	6	
28	gk	1	Total	C	N	O	0
			43	33	4	6	
28	gn	1	Total	C	N	O	0
			43	33	4	6	
28	gp	1	Total	C	N	O	0
			43	33	4	6	
28	gr	1	Total	C	N	O	0
			43	33	4	6	
28	gt	1	Total	C	N	O	0
			43	33	4	6	
28	gv	1	Total	C	N	O	0
			43	33	4	6	
28	gx	1	Total	C	N	O	0
			43	33	4	6	
28	gy	1	Total	C	N	O	0
			86	66	8	12	
28	gy	1	Total	C	N	O	0
			86	66	8	12	
28	gz	1	Total	C	N	O	0
			86	66	8	12	
28	gz	1	Total	C	N	O	0
			86	66	8	12	
28	hB	1	Total	C	N	O	0
			43	33	4	6	
28	hD	1	Total	C	N	O	0
			43	33	4	6	
28	hG	1	Total	C	N	O	0
			43	33	4	6	
28	hH	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
28	hJ	1	Total	C	N	O	0
			43	33	4	6	
28	hL	1	Total	C	N	O	0
			43	33	4	6	
28	hN	1	Total	C	N	O	0
			43	33	4	6	
28	hP	1	Total	C	N	O	0
			43	33	4	6	
28	hR	1	Total	C	N	O	0
			43	33	4	6	
28	hT	1	Total	C	N	O	0
			43	33	4	6	
28	hV	1	Total	C	N	O	0
			43	33	4	6	
28	hX	1	Total	C	N	O	0
			43	33	4	6	
28	hY	1	Total	C	N	O	0
			86	66	8	12	
28	hY	1	Total	C	N	O	0
			86	66	8	12	
28	hZ	1	Total	C	N	O	0
			86	66	8	12	
28	hZ	1	Total	C	N	O	0
			86	66	8	12	
28	iC	1	Total	C	N	O	0
			43	33	4	6	
28	iD	1	Total	C	N	O	0
			43	33	4	6	
28	iE	1	Total	C	N	O	0
			43	33	4	6	
28	iF	1	Total	C	N	O	0
			43	33	4	6	
28	iG	1	Total	C	N	O	0
			43	33	4	6	
28	iH	1	Total	C	N	O	0
			43	33	4	6	
28	jI	1	Total	C	N	O	0
			43	33	4	6	
28	jJ	1	Total	C	N	O	0
			43	33	4	6	
28	jK	1	Total	C	N	O	0
			43	33	4	6	

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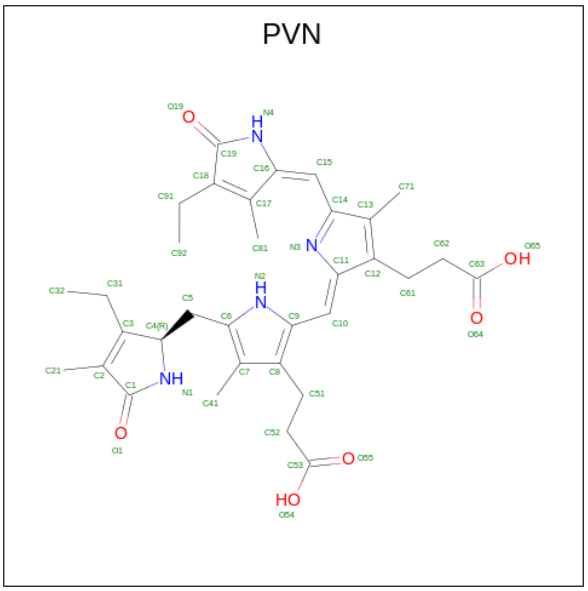
Mol	Chain	Residues	Atoms				AltConf
28	jL	1	Total	C	N	O	0
			43	33	4	6	
28	jM	1	Total	C	N	O	0
			43	33	4	6	
28	jN	1	Total	C	N	O	0
			43	33	4	6	
28	jO	1	Total	C	N	O	0
			43	33	4	6	
28	jP	1	Total	C	N	O	0
			43	33	4	6	
28	kQ	1	Total	C	N	O	0
			43	33	4	6	
28	kR	1	Total	C	N	O	0
			43	33	4	6	
28	kS	1	Total	C	N	O	0
			43	33	4	6	
28	kT	1	Total	C	N	O	0
			43	33	4	6	
28	kU	1	Total	C	N	O	0
			43	33	4	6	
28	kV	1	Total	C	N	O	0
			43	33	4	6	
28	kW	1	Total	C	N	O	0
			43	33	4	6	
28	kX	1	Total	C	N	O	0
			43	33	4	6	

- Molecule 29 is PHYCOVIOLOBILIN (three-letter code: PVN) (formula: $C_{33}H_{40}N_4O_6$).



Mol	Chain	Residues	Atoms				AltConf
29	A2	1	Total	C	N	O	0
			43	33	4	6	
29	C2	1	Total	C	N	O	0
			43	33	4	6	
29	D2	1	Total	C	N	O	0
			43	33	4	6	
29	a3	1	Total	C	N	O	0
			43	33	4	6	
29	c3	1	Total	C	N	O	0
			43	33	4	6	
29	d3	1	Total	C	N	O	0
			43	33	4	6	
29	34	1	Total	C	N	O	0
			43	33	4	6	
29	44	1	Total	C	N	O	0
			43	33	4	6	
29	Y5	1	Total	C	N	O	0
			43	33	4	6	
29	Z5	1	Total	C	N	O	0
			43	33	4	6	
29	b8	1	Total	C	N	O	0
			43	33	4	6	
29	c8	1	Total	C	N	O	0
			43	33	4	6	
29	d8	1	Total	C	N	O	0
			43	33	4	6	
29	e8	1	Total	C	N	O	0
			43	33	4	6	

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Mol	Chain	Residues	Atoms				AltConf
29	b9	1	Total	C	N	O	0
			43	33	4	6	
29	c9	1	Total	C	N	O	0
			43	33	4	6	
29	d9	1	Total	C	N	O	0
			43	33	4	6	
29	e9	1	Total	C	N	O	0
			43	33	4	6	
29	T8	1	Total	C	N	O	0
			43	33	4	6	
29	U8	1	Total	C	N	O	0
			43	33	4	6	
29	Y9	1	Total	C	N	O	0
			43	33	4	6	
29	Z9	1	Total	C	N	O	0
			43	33	4	6	
29	aY	1	Total	C	N	O	0
			43	33	4	6	
29	aZ	1	Total	C	N	O	0
			43	33	4	6	
29	bY	1	Total	C	N	O	0
			43	33	4	6	
29	bZ	1	Total	C	N	O	0
			43	33	4	6	
29	dw	1	Total	C	N	O	0
			43	33	4	6	
29	dx	1	Total	C	N	O	0
			43	33	4	6	
29	ey	1	Total	C	N	O	0
			43	33	4	6	
29	ez	1	Total	C	N	O	0
			43	33	4	6	
29	eY	1	Total	C	N	O	0
			43	33	4	6	
29	eZ	1	Total	C	N	O	0
			43	33	4	6	
29	ly	1	Total	C	N	O	0
			43	33	4	6	
29	lz	1	Total	C	N	O	0
			43	33	4	6	
29	gy	1	Total	C	N	O	0
			43	33	4	6	

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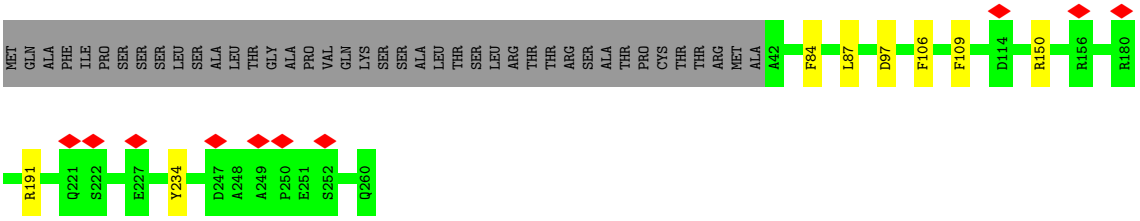
Mol	Chain	Residues	Atoms				AltConf
29	gz	1	Total	C	N	O	0
			43	33	4	6	
29	hY	1	Total	C	N	O	0
			43	33	4	6	
29	hZ	1	Total	C	N	O	0
			43	33	4	6	

3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

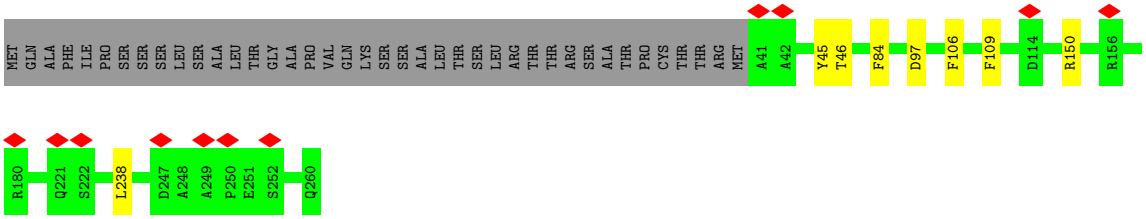
• Molecule 1: LRC6

Chain A1:



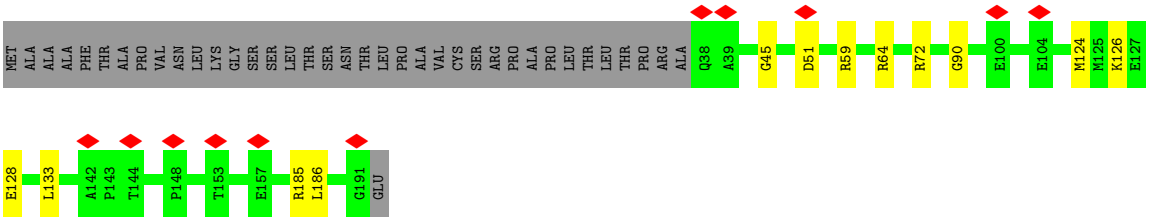
• Molecule 1: LRC6

Chain B1:



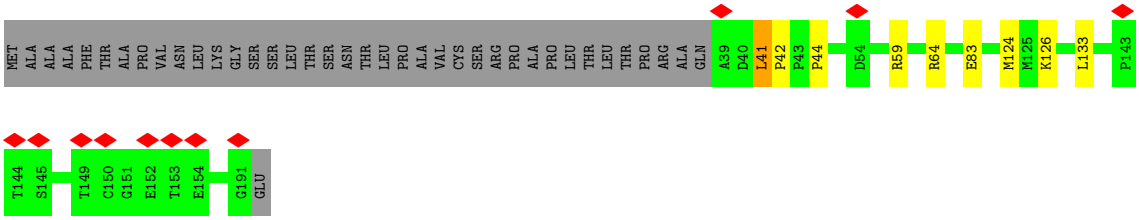
• Molecule 2: LRC4

Chain C1:

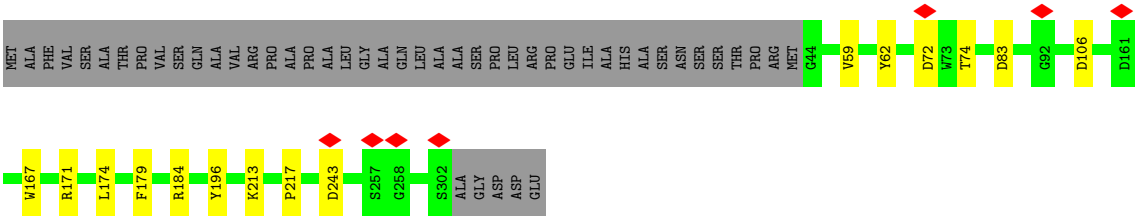


• Molecule 2: LRC4

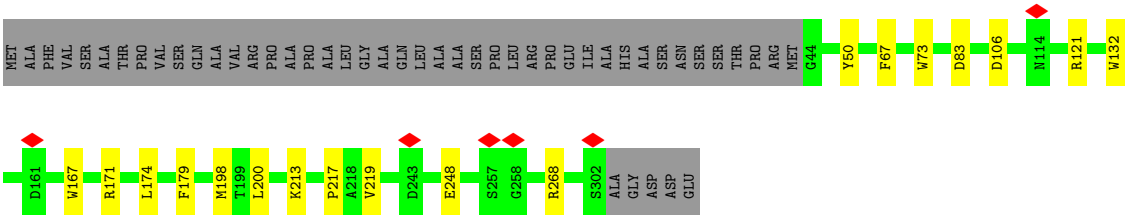
Chain D1:



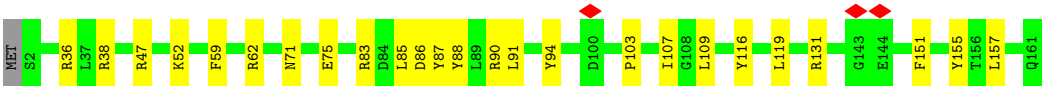
• Molecule 3: LRC5



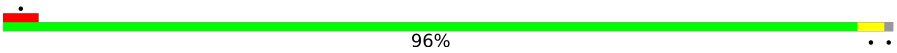
• Molecule 3: LRC5



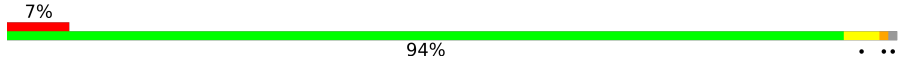
• Molecule 4: alpha_APC

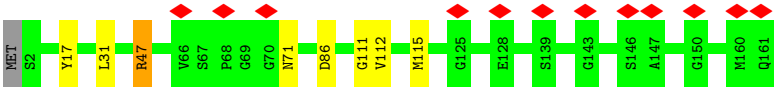


• Molecule 4: alpha_APC



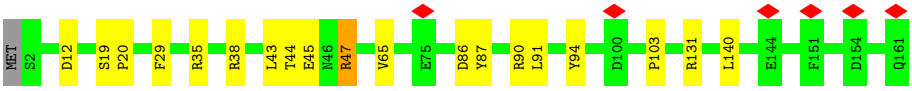
• Molecule 4: alpha_APC





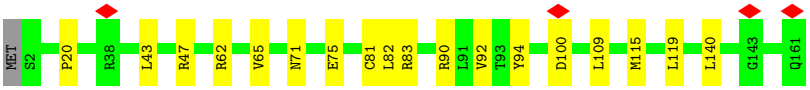
• Molecule 4: alpha_APC

Chain N1:



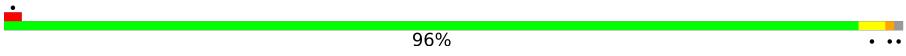
• Molecule 4: alpha_APC

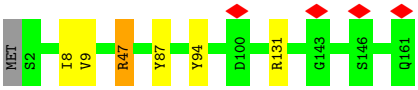
Chain P1:



• Molecule 4: alpha_APC

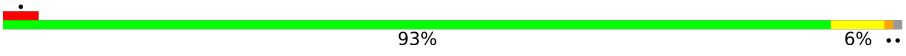
Chain R1:

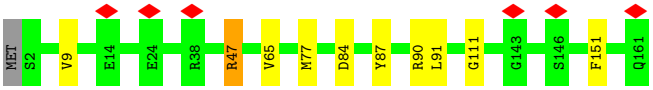




• Molecule 4: alpha_APC

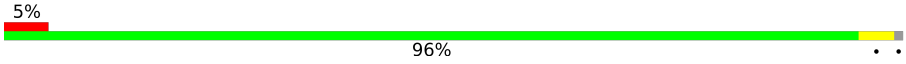
Chain T1:

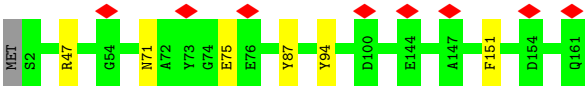




• Molecule 4: alpha_APC

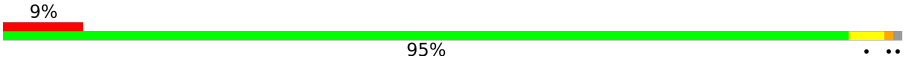
Chain X1:

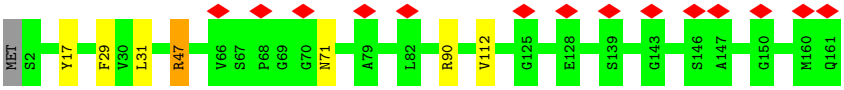




• Molecule 4: alpha_APC

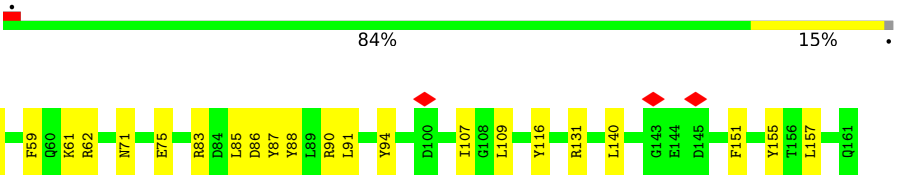
Chain Z1:





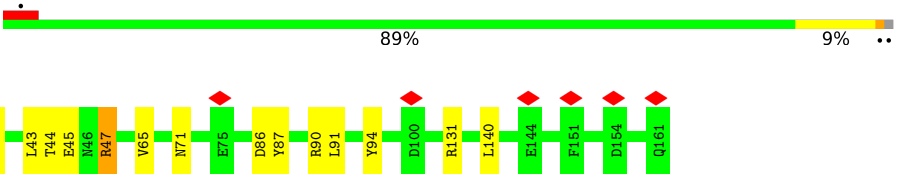
• Molecule 4: alpha_APC

Chain b1:



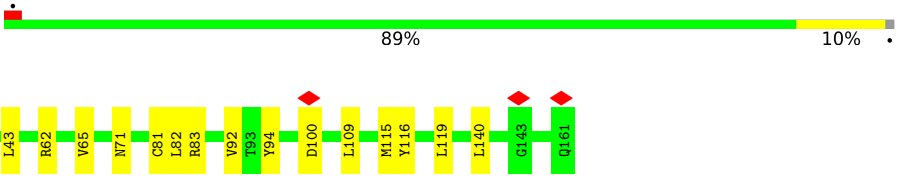
• Molecule 4: alpha_APC

Chain d1:



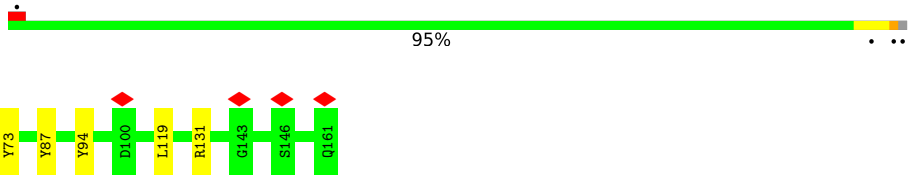
• Molecule 4: alpha_APC

Chain f1:



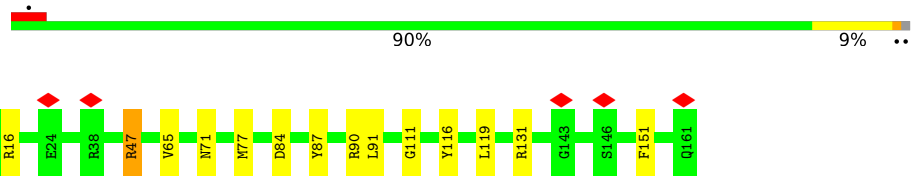
• Molecule 4: alpha_APC

Chain i1:



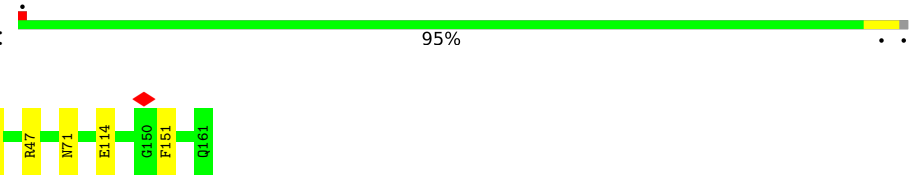
• Molecule 4: alpha_APC

Chain k1:



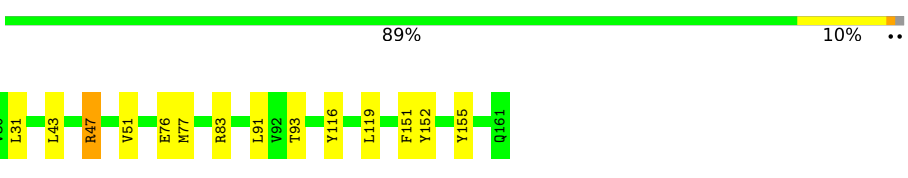
• Molecule 4: alpha_APC

Chain o1:



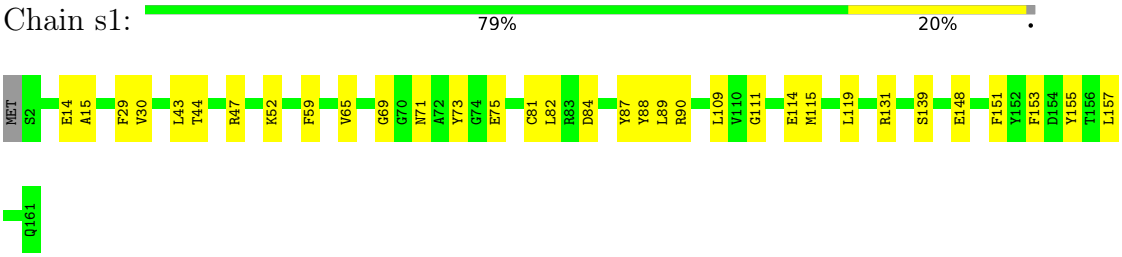
• Molecule 4: alpha_APC

Chain q1:



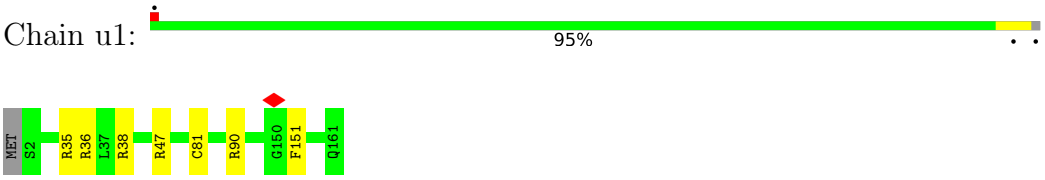
• Molecule 4: alpha_APC

Chain s1:



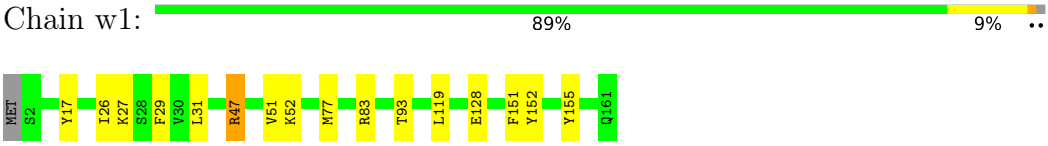
• Molecule 4: alpha_APC

Chain u1:



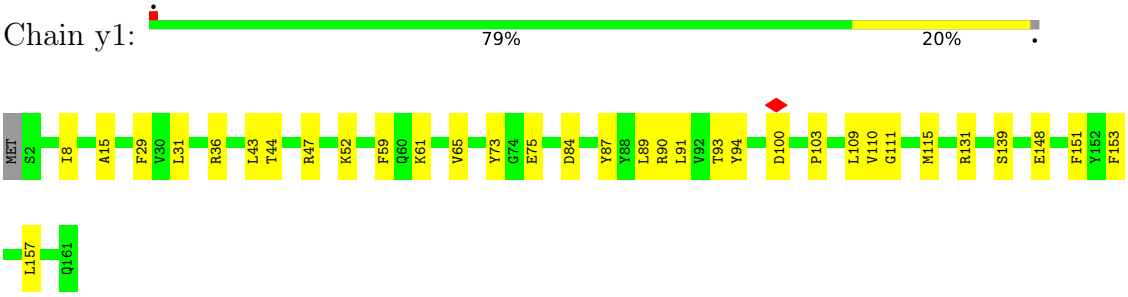
• Molecule 4: alpha_APC

Chain w1:



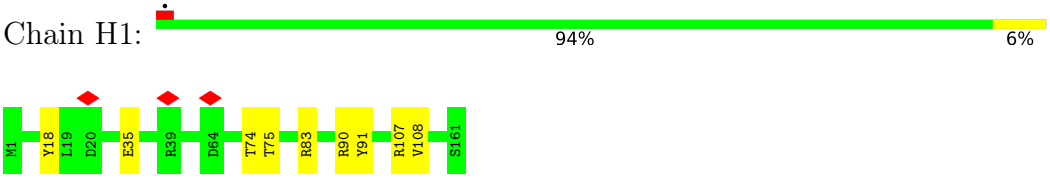
• Molecule 4: alpha_APC

Chain y1:



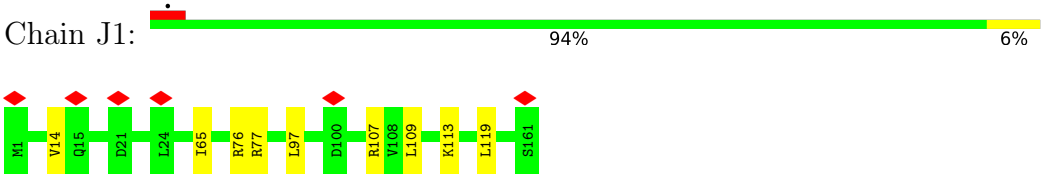
• Molecule 5: beta_APC

Chain H1:



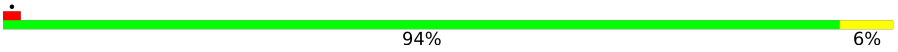
• Molecule 5: beta_APC

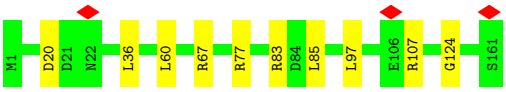
Chain J1:



• Molecule 5: beta_APC

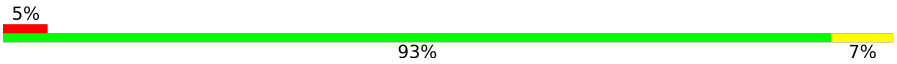
Chain L1:

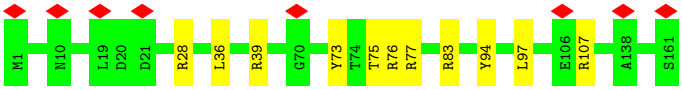




• Molecule 5: beta_APC

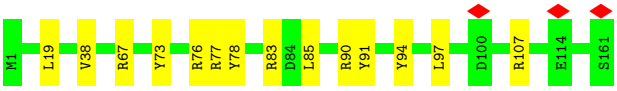
Chain M1:





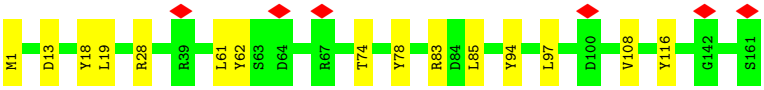
• Molecule 5: beta_APC

Chain O1:



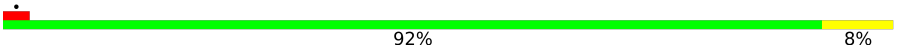
• Molecule 5: beta_APC

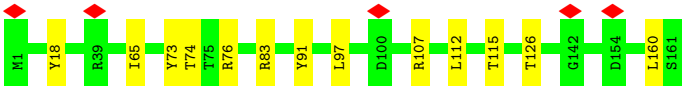
Chain S1:



• Molecule 5: beta_APC

Chain U1:



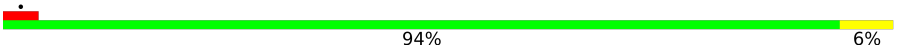


• Molecule 5: beta_APC

Chain W1:

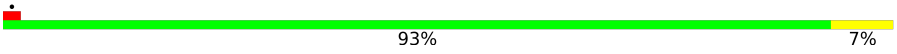
• Molecule 5: beta_APC

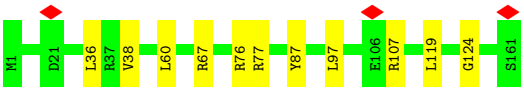
Chain Y1:



• Molecule 5: beta_APC

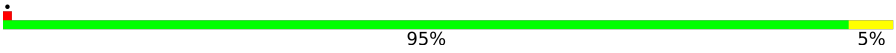
Chain a1:

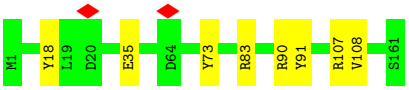




• Molecule 5: beta_APC

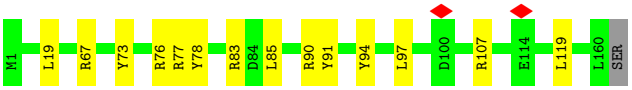
Chain c1:





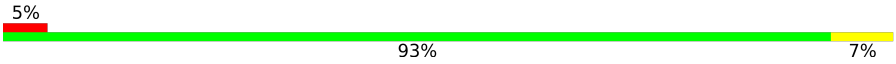
• Molecule 5: beta_APC

Chain e1:



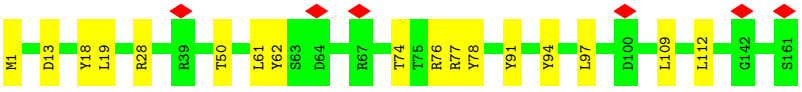
• Molecule 5: beta_APC

Chain h1:



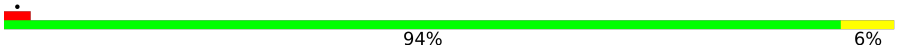
• Molecule 5: beta_APC

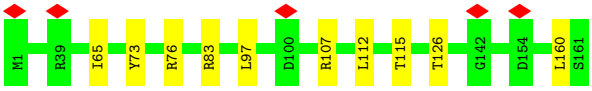
Chain j1:



• Molecule 5: beta_APC

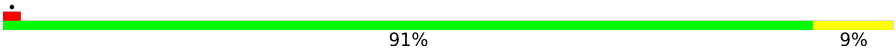
Chain l1:

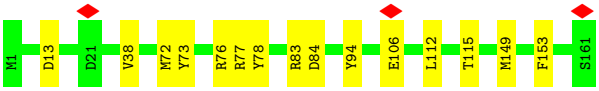




• Molecule 5: beta_APC

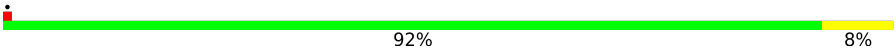
Chain n1:

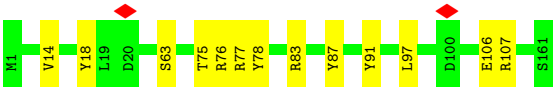




• Molecule 5: beta_APC

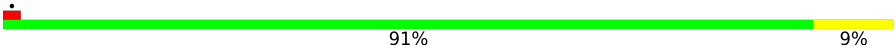
Chain p1:

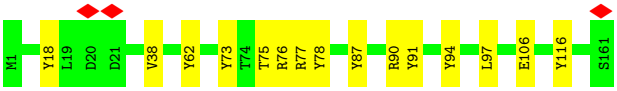




• Molecule 5: beta_APC

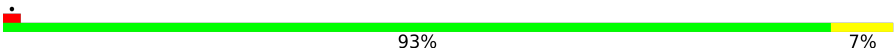
Chain r1:

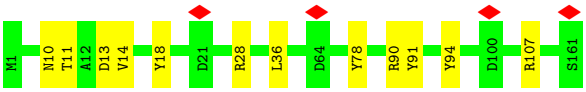




• Molecule 5: beta_APC

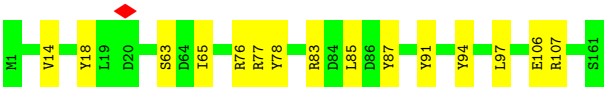
Chain t1:





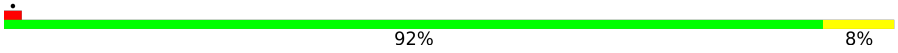
• Molecule 5: beta_APC

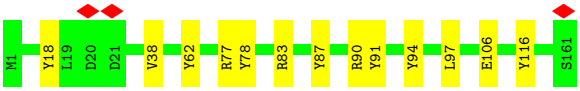
Chain v1:



• Molecule 5: beta_APC

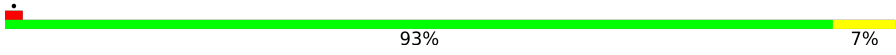
Chain x1:

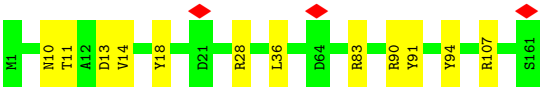




• Molecule 5: beta_APC

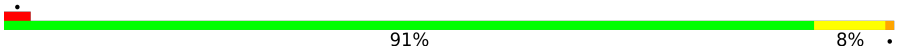
Chain z1:

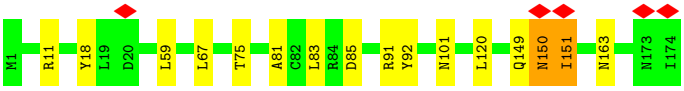




• Molecule 6: ApcF

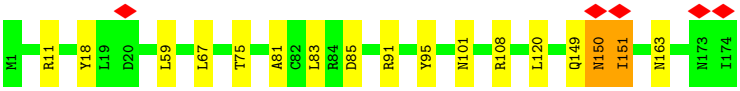
Chain Q1:





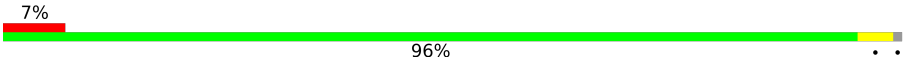
• Molecule 6: ApcF

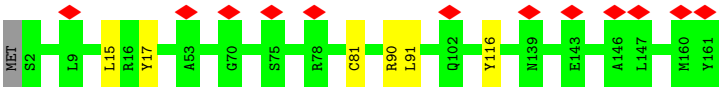
Chain g1:



• Molecule 7: ApcD

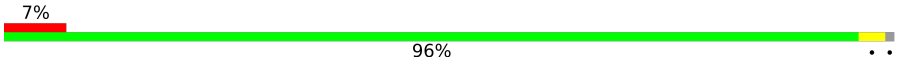
Chain V1:

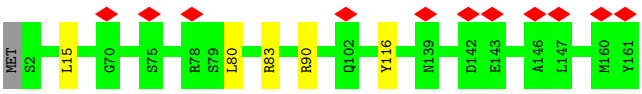




• Molecule 7: ApcD

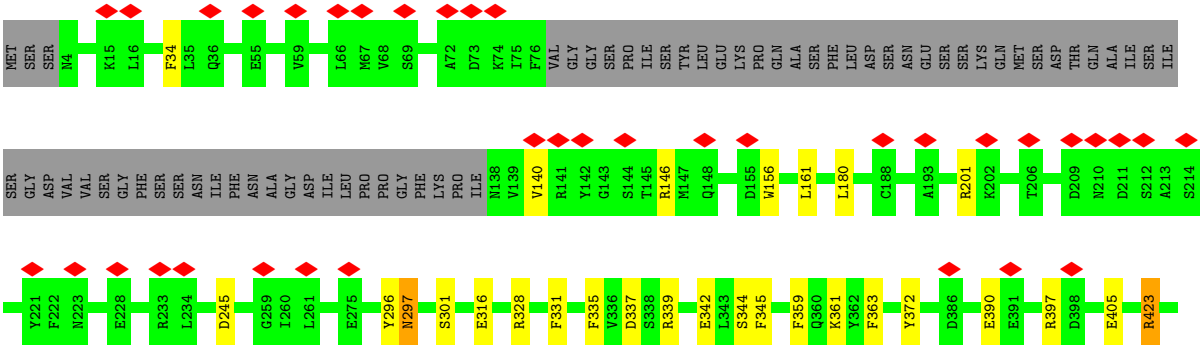
Chain m1:

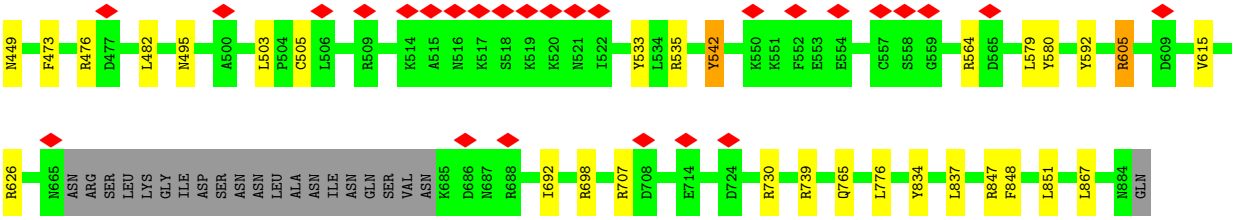




• Molecule 8: LCM

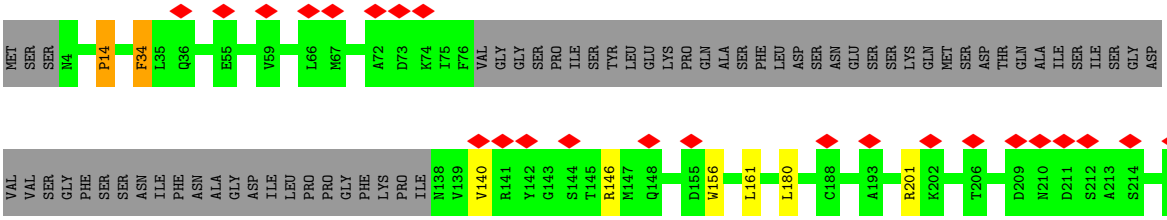
Chain a2:





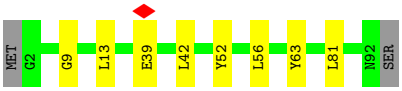
• Molecule 8: LCM

Chain b2:



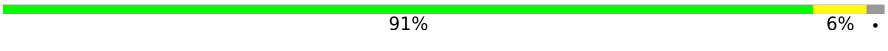
• Molecule 9: LC

Chain c2:



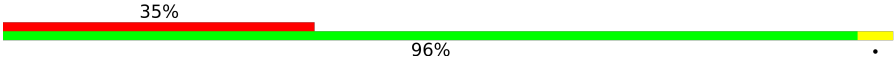
• Molecule 9: LC

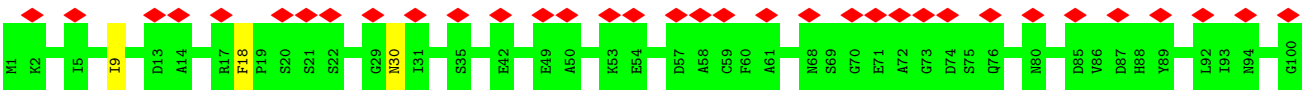
Chain d2:

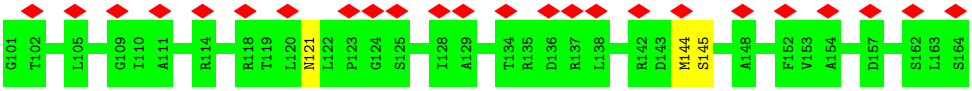


• Molecule 10: R-phycoerythrin alpha chain

Chain e2:

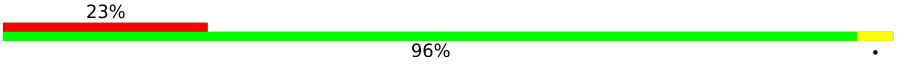


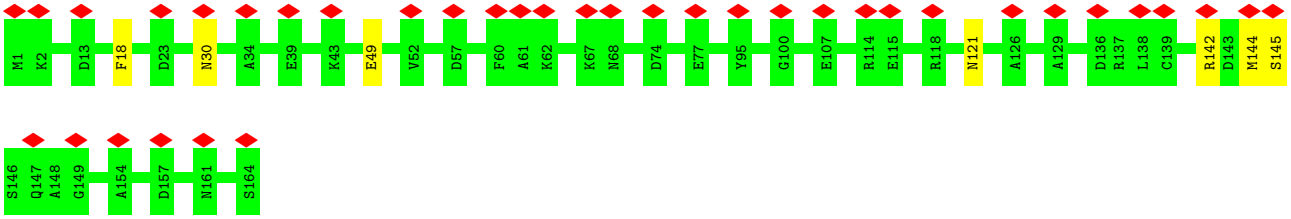




• Molecule 10: R-phycoerythrin alpha chain

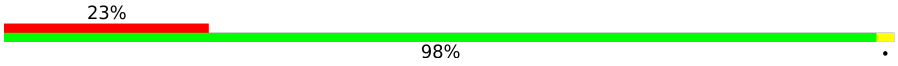
Chain g2:

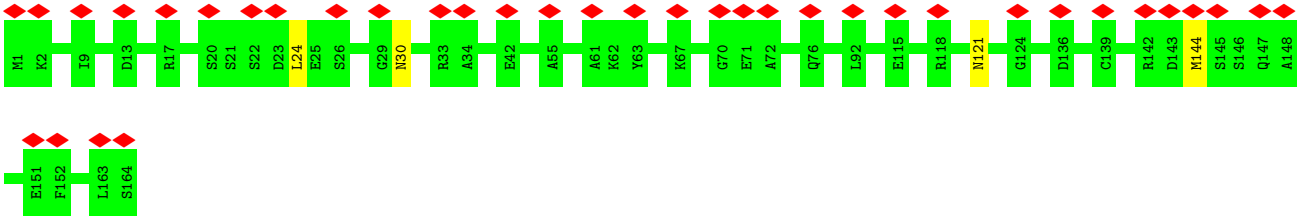




• Molecule 10: R-phycoerythrin alpha chain

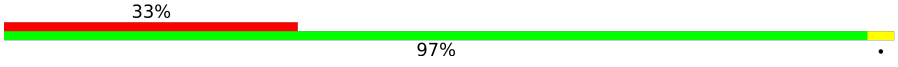
Chain i2:

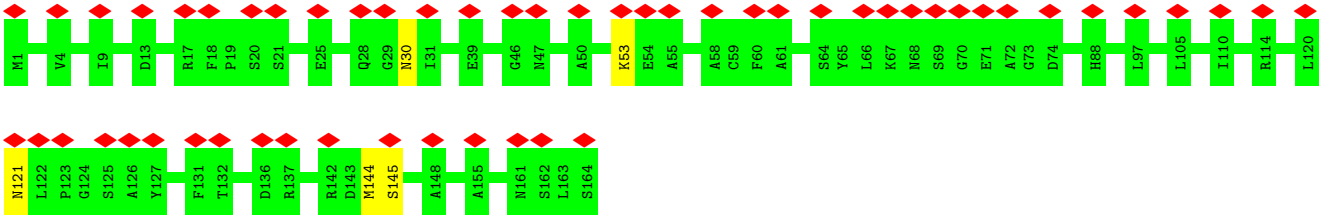




• Molecule 10: R-phycoerythrin alpha chain

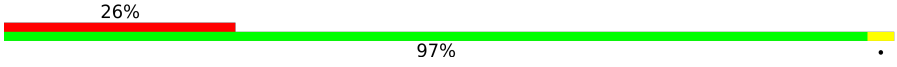
Chain k2:

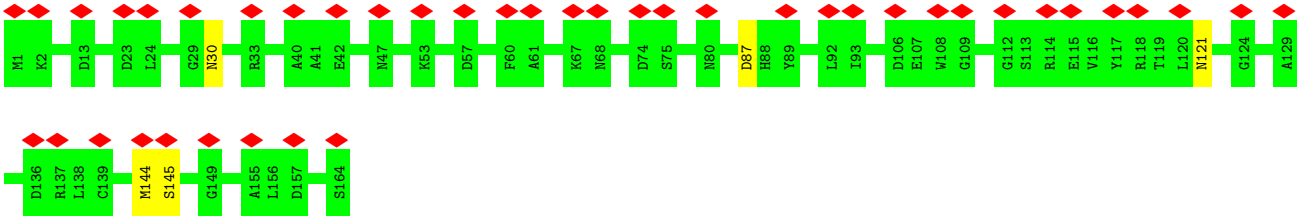




• Molecule 10: R-phycoerythrin alpha chain

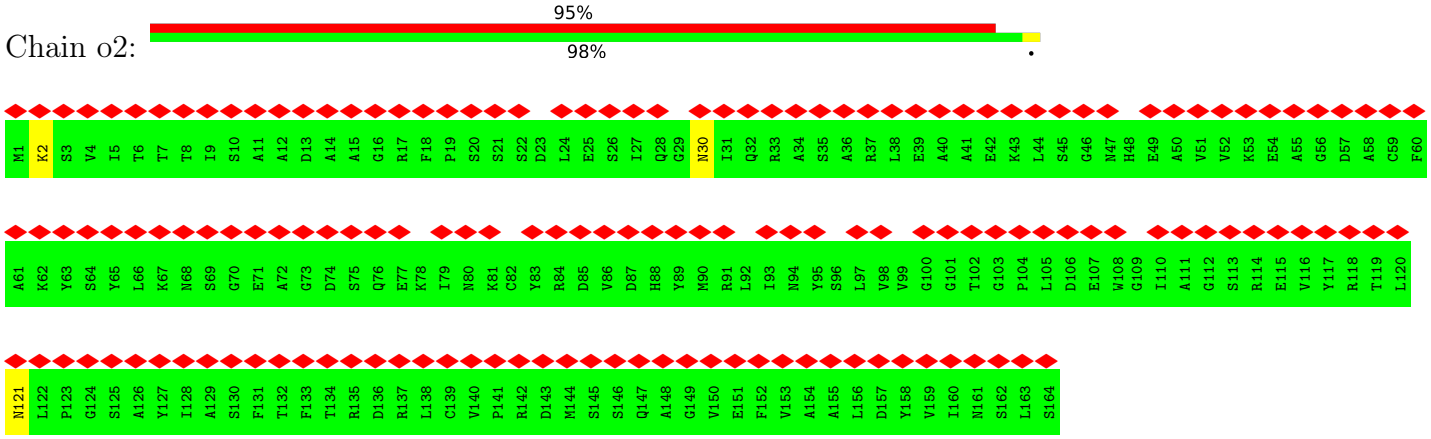
Chain m2:





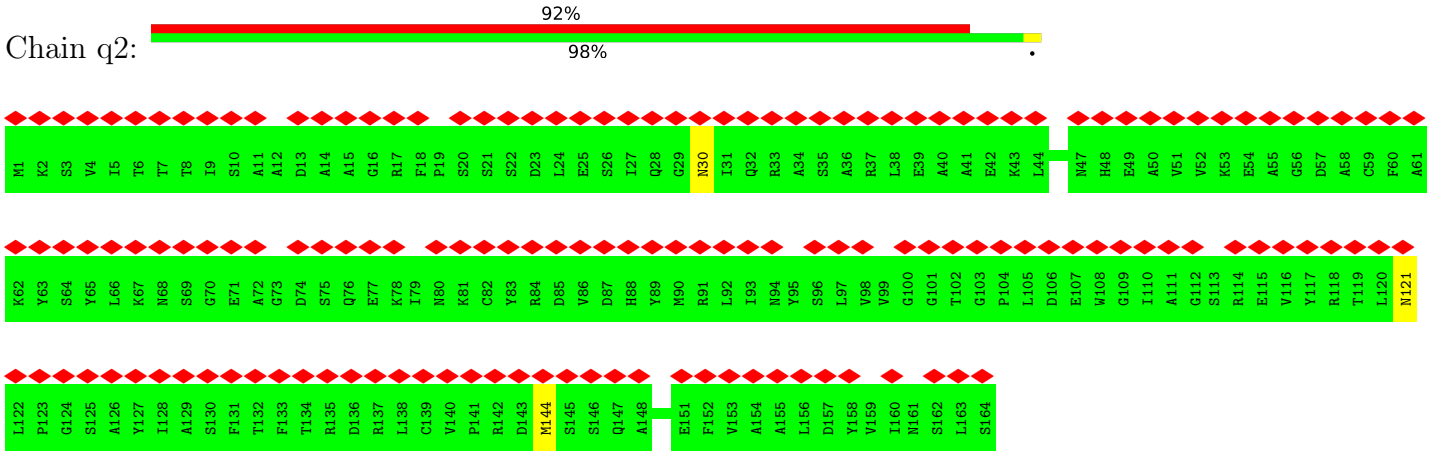
• Molecule 10: R-phycoerythrin alpha chain

Chain o2:



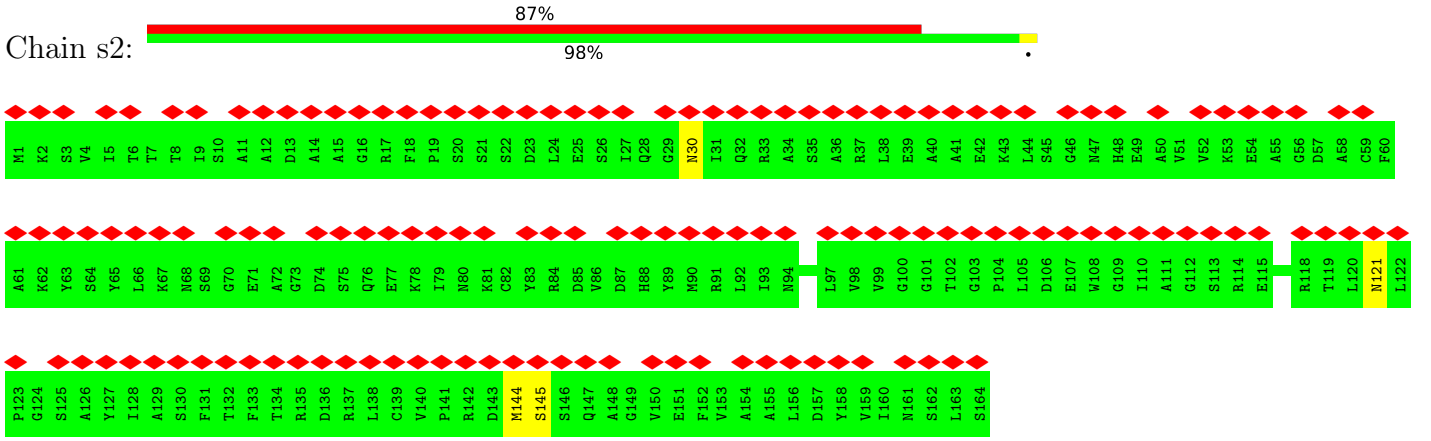
• Molecule 10: R-phycoerythrin alpha chain

Chain q2:



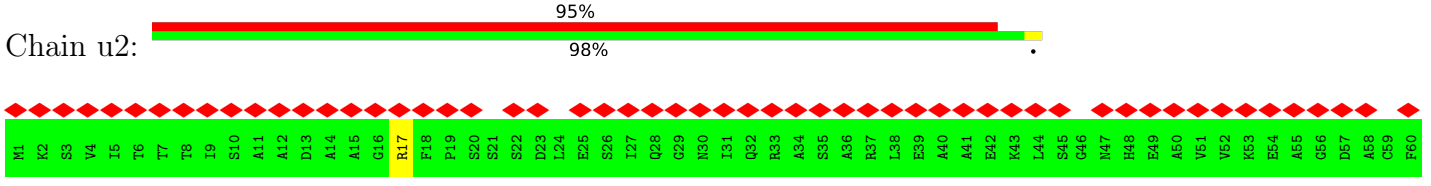
• Molecule 10: R-phycoerythrin alpha chain

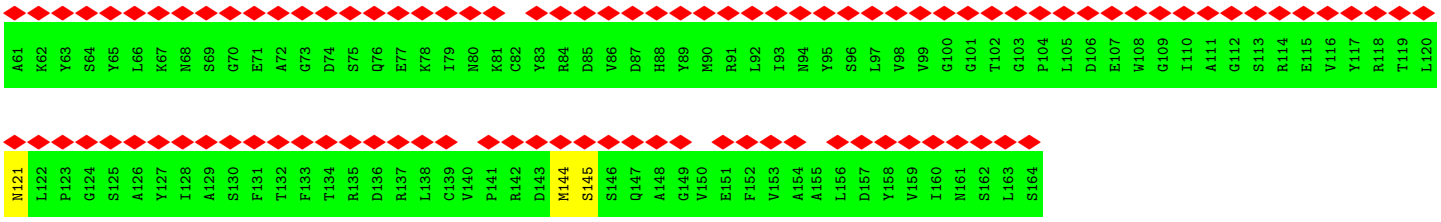
Chain s2:



• Molecule 10: R-phycoerythrin alpha chain

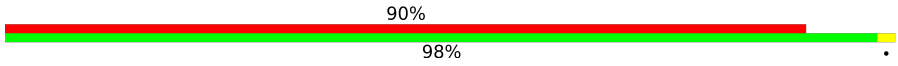
Chain u2:

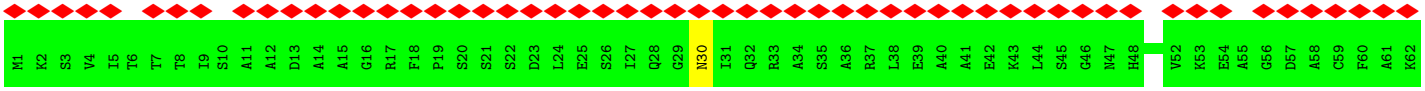


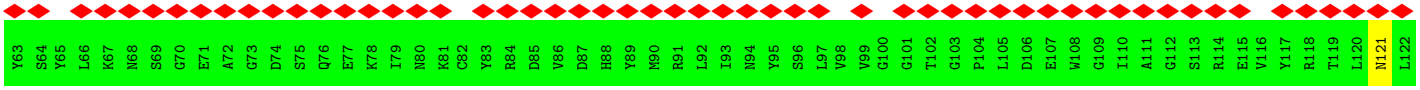


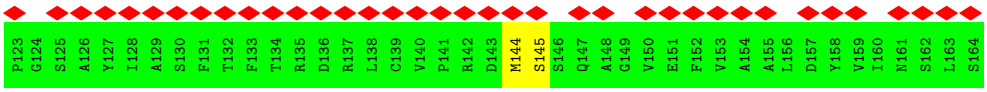
• Molecule 10: R-phycoerythrin alpha chain

Chain w2:



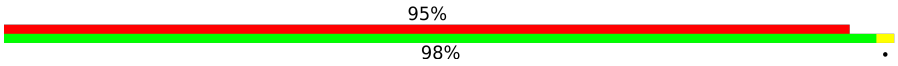


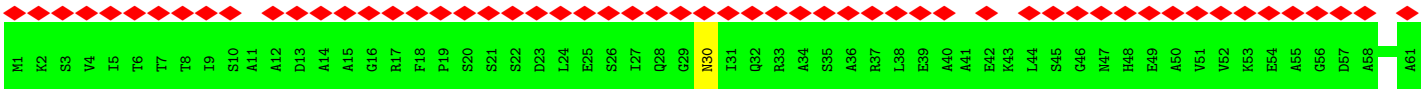


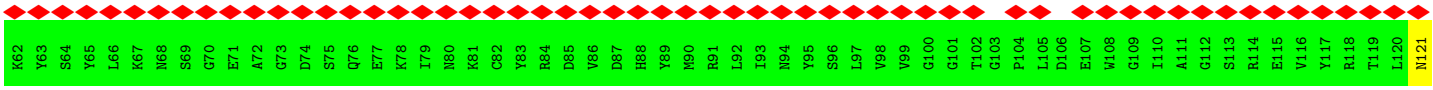


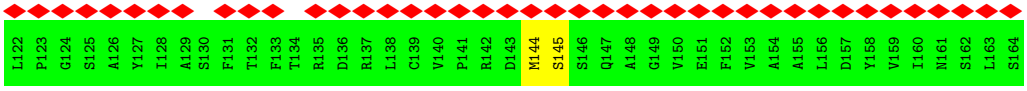
• Molecule 10: R-phycoerythrin alpha chain

Chain y2:



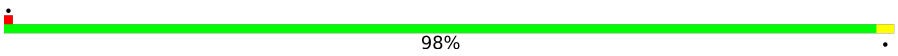






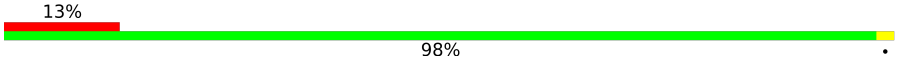
• Molecule 10: R-phycoerythrin alpha chain

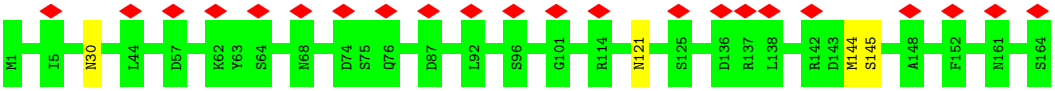
Chain E2:



• Molecule 10: R-phycoerythrin alpha chain

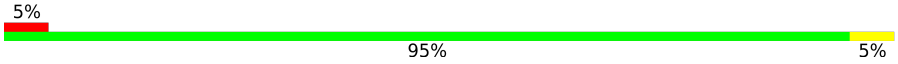
Chain G2:

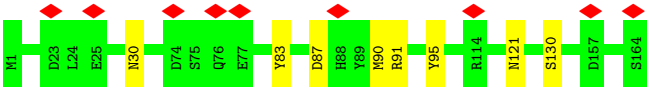




• Molecule 10: R-phycoerythrin alpha chain

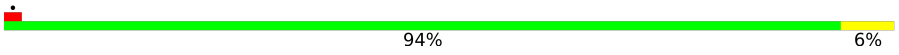
Chain I2:

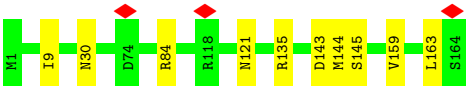




• Molecule 10: R-phycoerythrin alpha chain

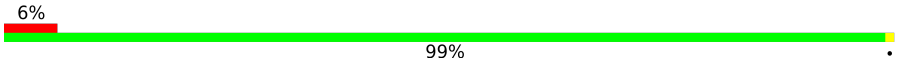
Chain K2:

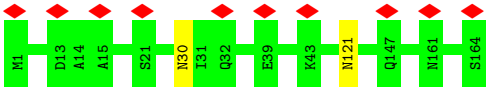




• Molecule 10: R-phycoerythrin alpha chain

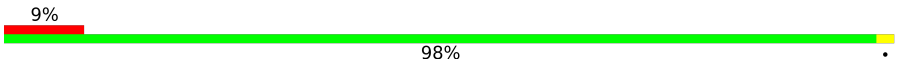
Chain M2:

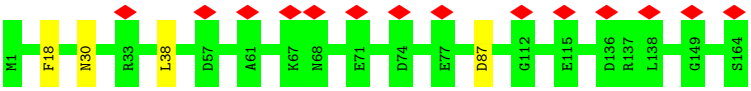




• Molecule 10: R-phycoerythrin alpha chain

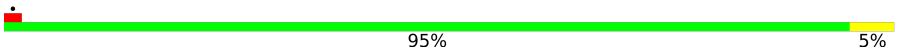
Chain O2:

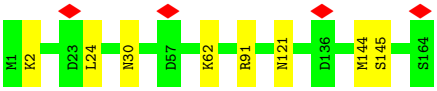




• Molecule 10: R-phycoerythrin alpha chain

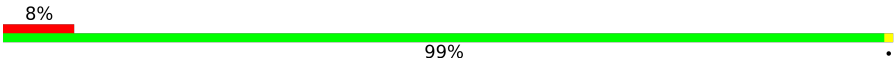
Chain Q2:

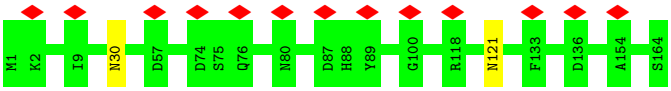




• Molecule 10: R-phycoerythrin alpha chain

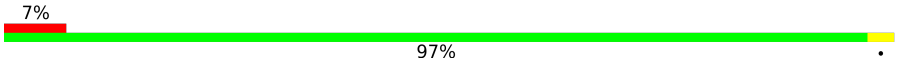
Chain S2:

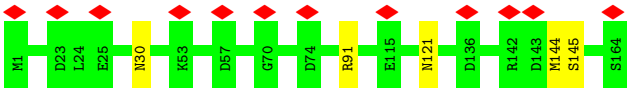




• Molecule 10: R-phycoerythrin alpha chain

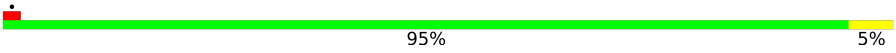
Chain U2:

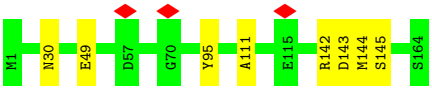




• Molecule 10: R-phycoerythrin alpha chain

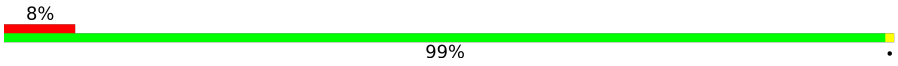
Chain W2:

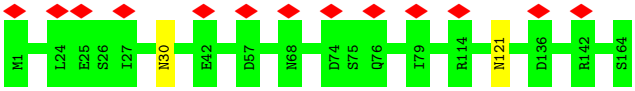




• Molecule 10: R-phycoerythrin alpha chain

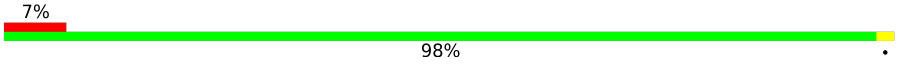
Chain Y2:

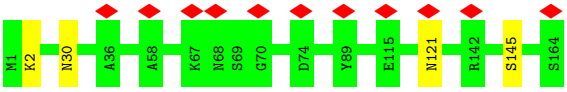




• Molecule 10: R-phycoerythrin alpha chain

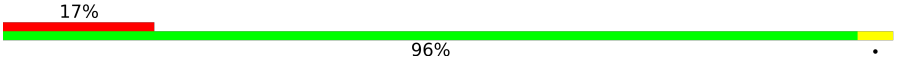
Chain A3:

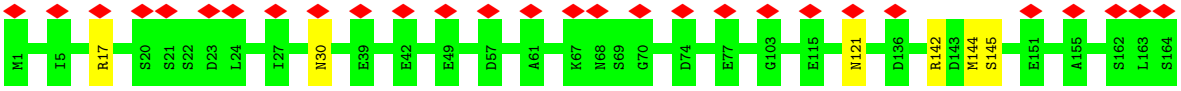




• Molecule 10: R-phycoerythrin alpha chain

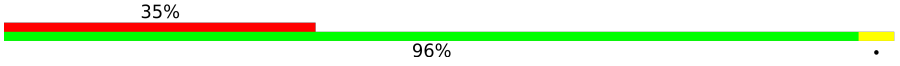
Chain C3:

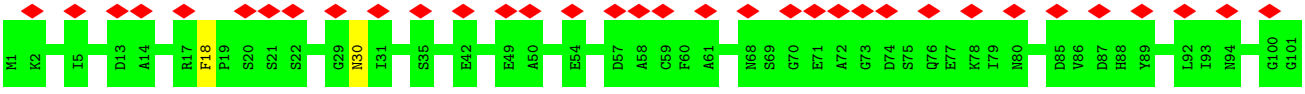


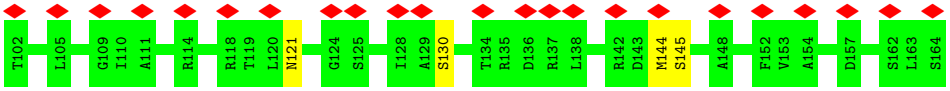


• Molecule 10: R-phycoerythrin alpha chain

Chain E3:

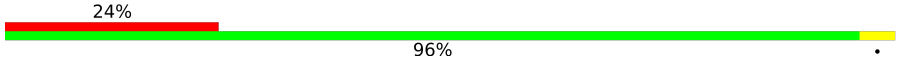


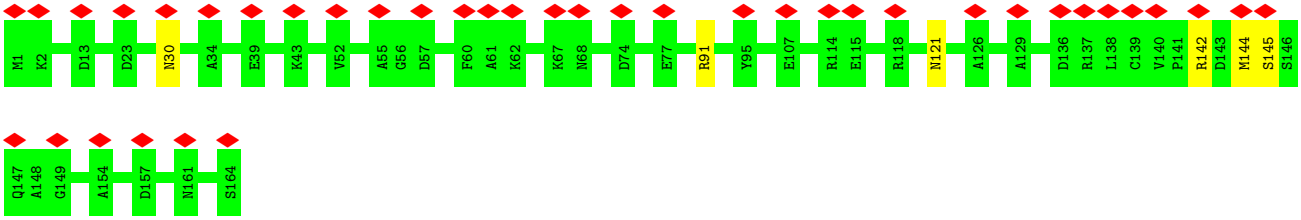




• Molecule 10: R-phycoerythrin alpha chain

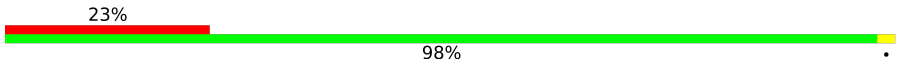
Chain G3:

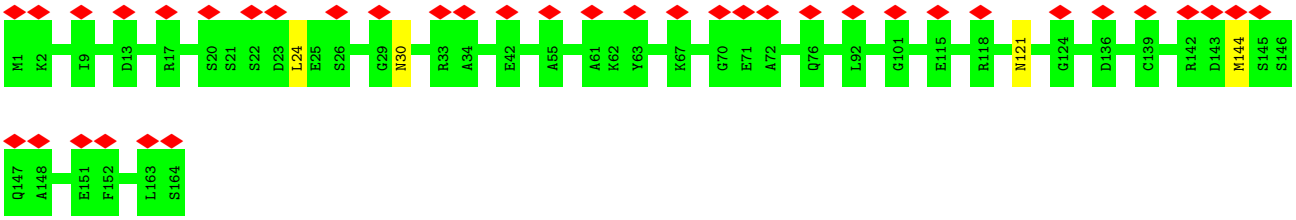




• Molecule 10: R-phycoerythrin alpha chain

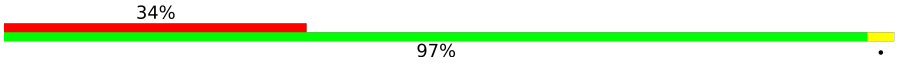
Chain I3:

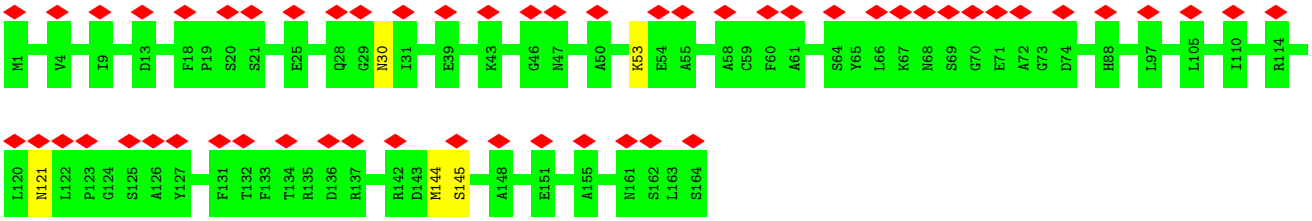




• Molecule 10: R-phycoerythrin alpha chain

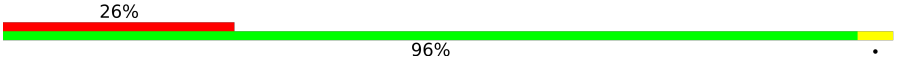
Chain K3:

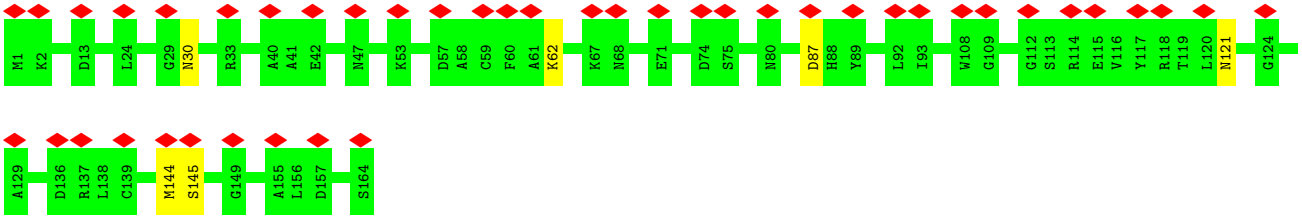




• Molecule 10: R-phycoerythrin alpha chain

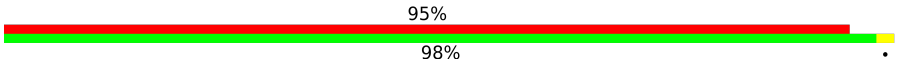
Chain M3:

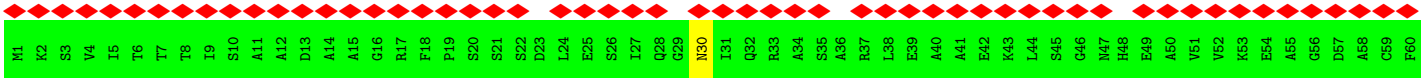


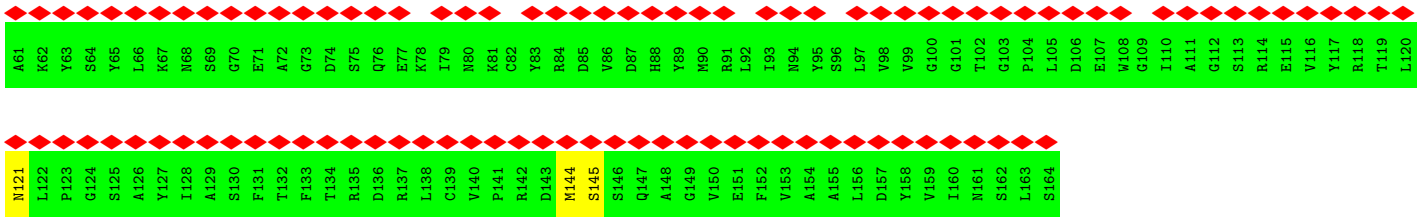


• Molecule 10: R-phycoerythrin alpha chain

Chain O3:

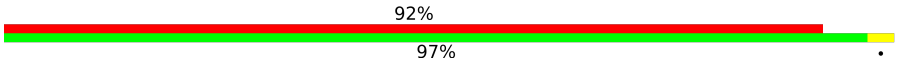


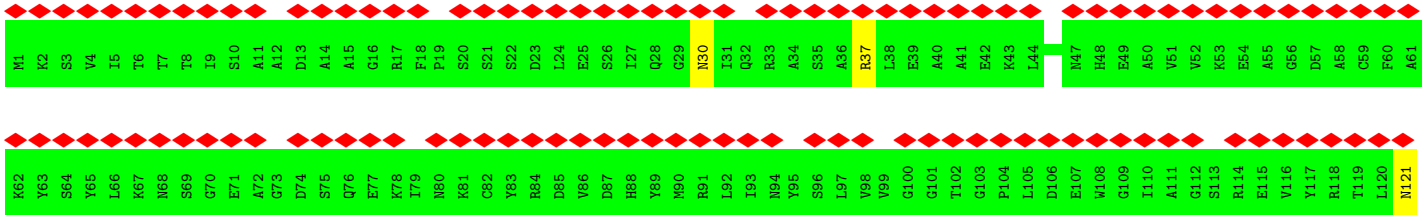




• Molecule 10: R-phycoerythrin alpha chain

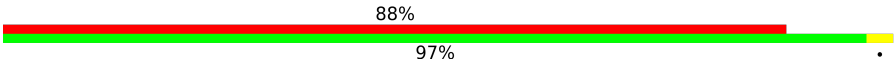
Chain Q3:

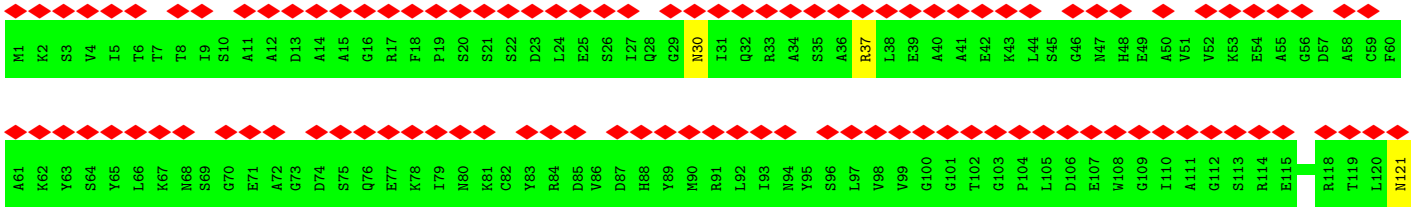




• Molecule 10: R-phycoerythrin alpha chain

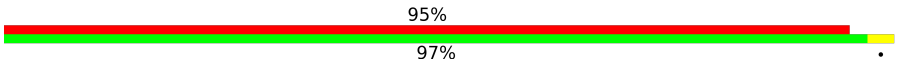
Chain S3:

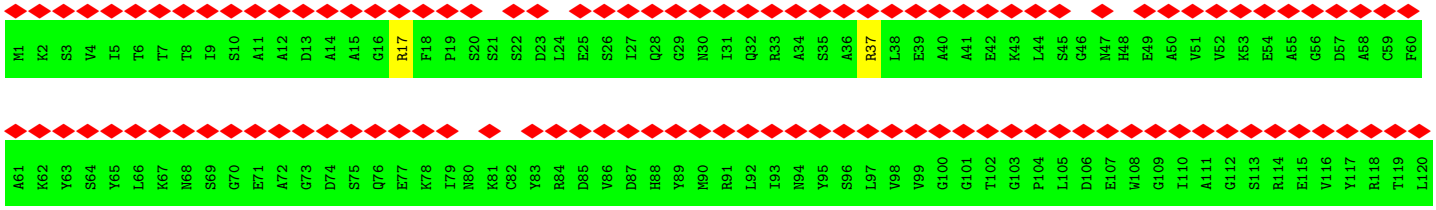


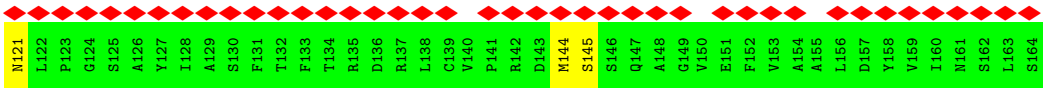


• Molecule 10: R-phycoerythrin alpha chain

Chain U3:

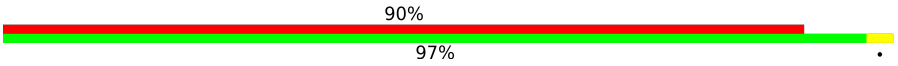


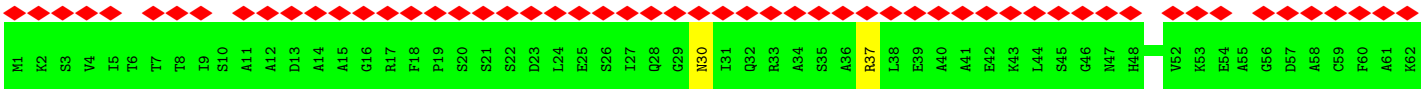


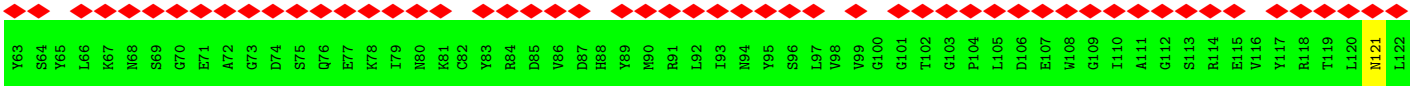


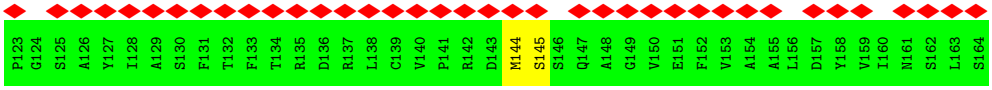
• Molecule 10: R-phycoerythrin alpha chain

Chain W3:



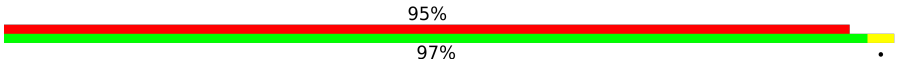


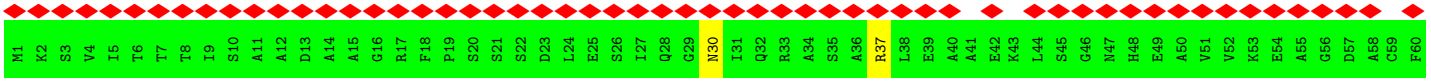


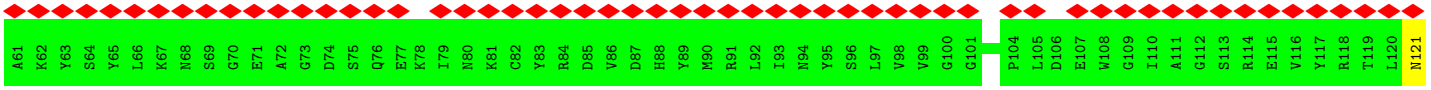


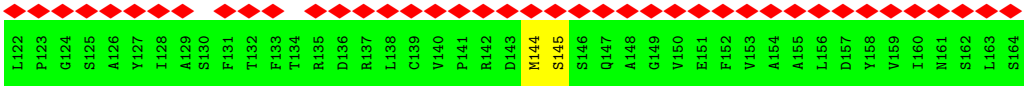
• Molecule 10: R-phycoerythrin alpha chain

Chain Y3:



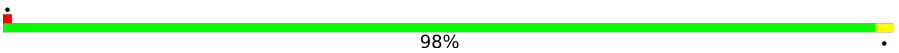






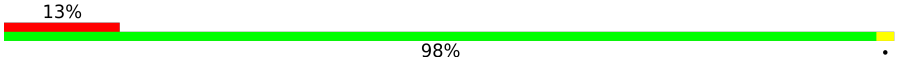
• Molecule 10: R-phycoerythrin alpha chain

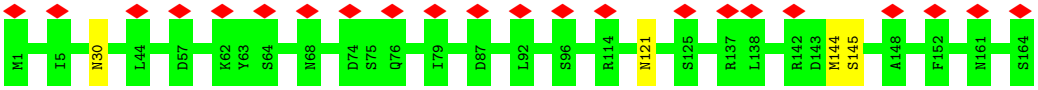
Chain e3:



• Molecule 10: R-phycoerythrin alpha chain

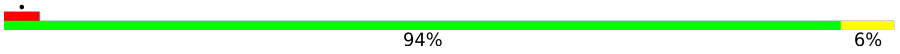
Chain g3:





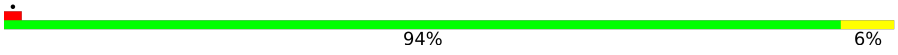
• Molecule 10: R-phycoerythrin alpha chain

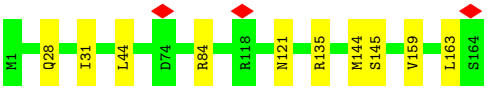
Chain i3:



• Molecule 10: R-phycoerythrin alpha chain

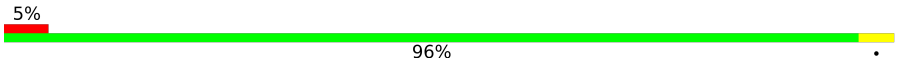
Chain k3:

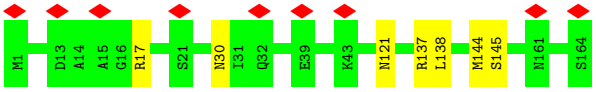




• Molecule 10: R-phycoerythrin alpha chain

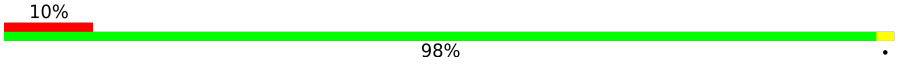
Chain m3:

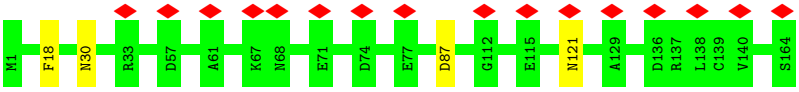




• Molecule 10: R-phycoerythrin alpha chain

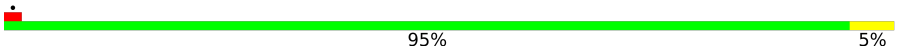
Chain o3:

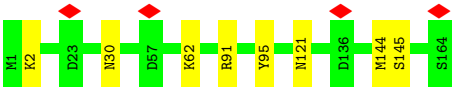




• Molecule 10: R-phycoerythrin alpha chain

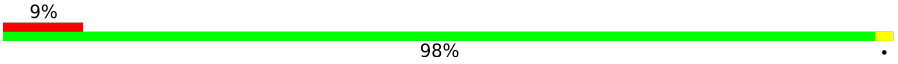
Chain q3:

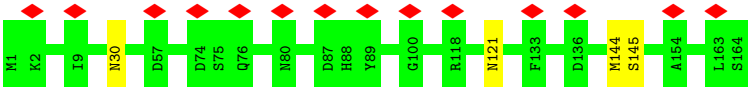




• Molecule 10: R-phycoerythrin alpha chain

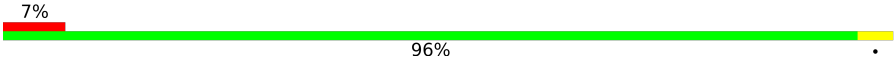
Chain s3:

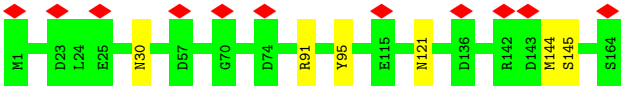




• Molecule 10: R-phycoerythrin alpha chain

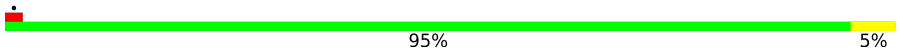
Chain u3:





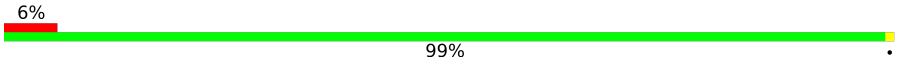
• Molecule 10: R-phycoerythrin alpha chain

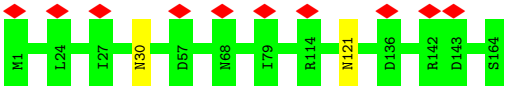
Chain w3:



• Molecule 10: R-phycoerythrin alpha chain

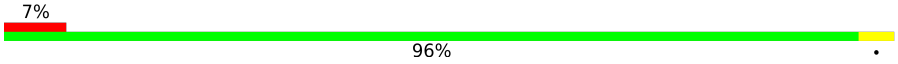
Chain y3:

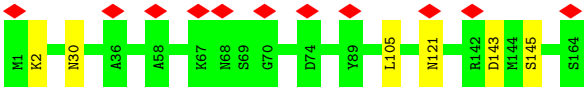




• Molecule 10: R-phycoerythrin alpha chain

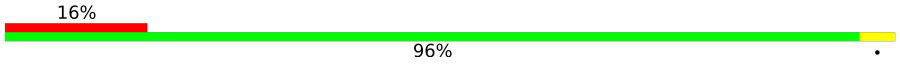
Chain A4:

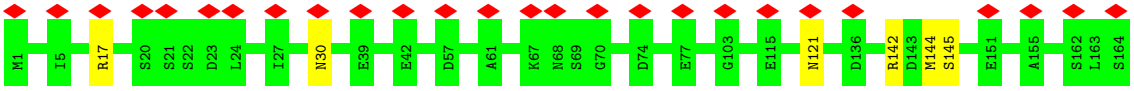




• Molecule 10: R-phycoerythrin alpha chain

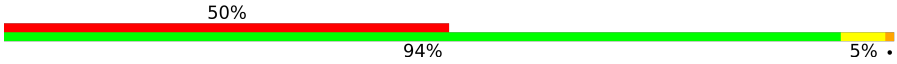
Chain C4:

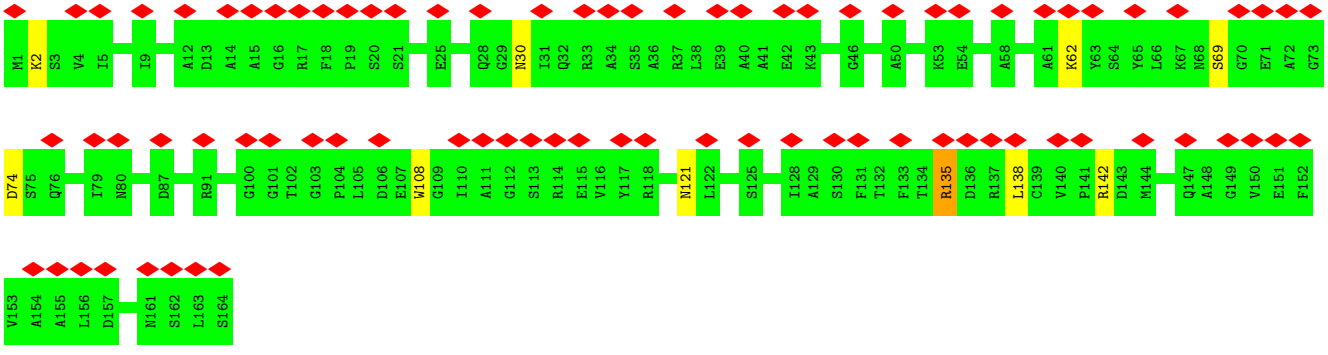




• Molecule 10: R-phycoerythrin alpha chain

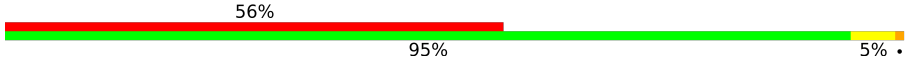
Chain E4:

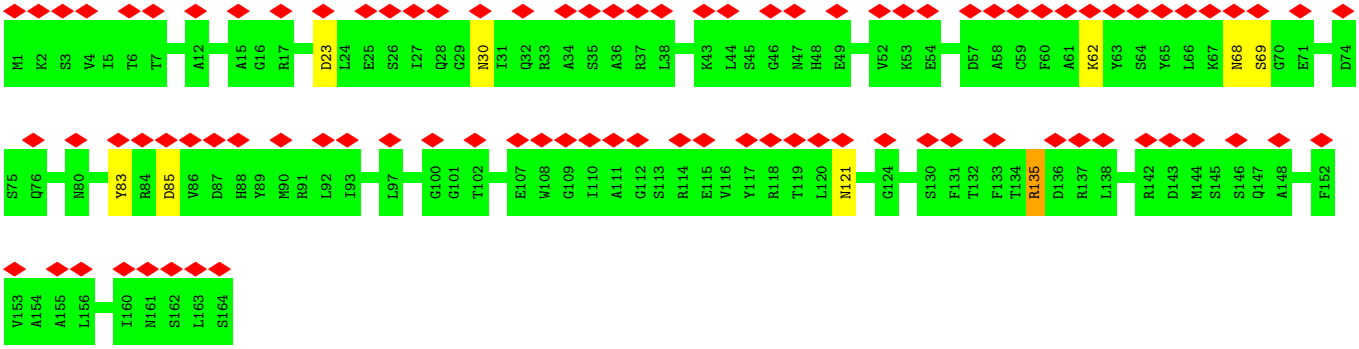




• Molecule 10: R-phycoerythrin alpha chain

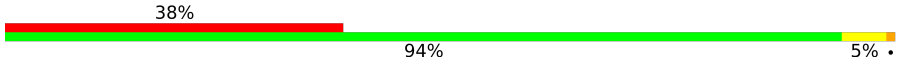
Chain G4:

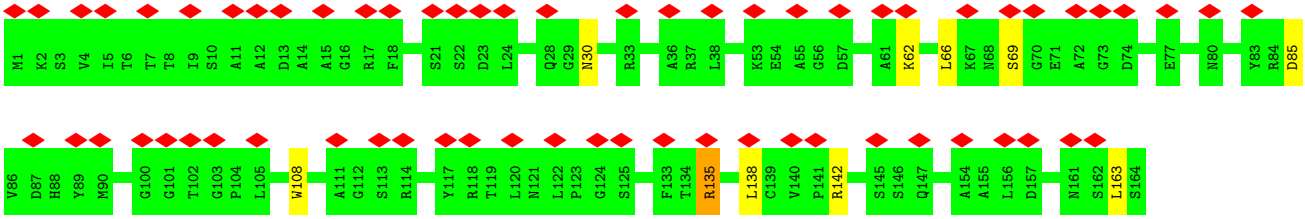




• Molecule 10: R-phycoerythrin alpha chain

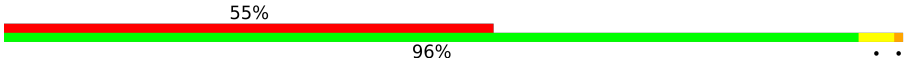
Chain I4:

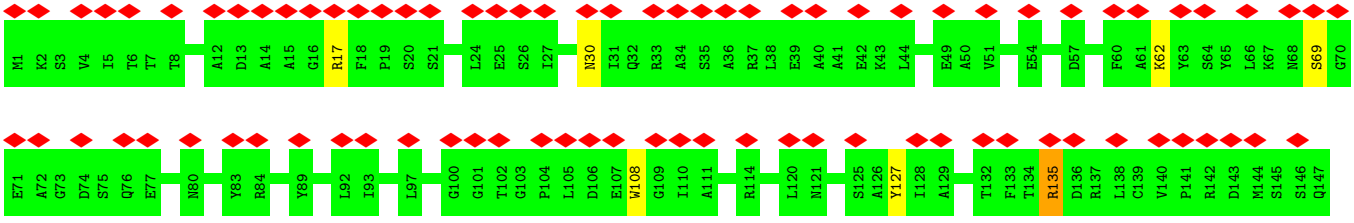




• Molecule 10: R-phycoerythrin alpha chain

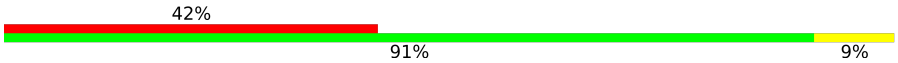
Chain K4:

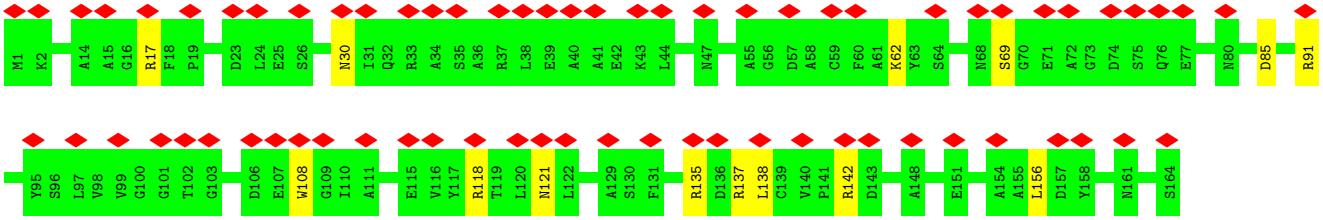




• Molecule 10: R-phycoerythrin alpha chain

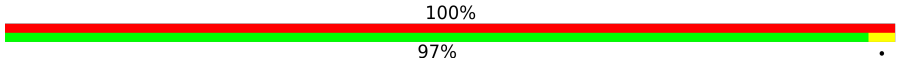
Chain M4:

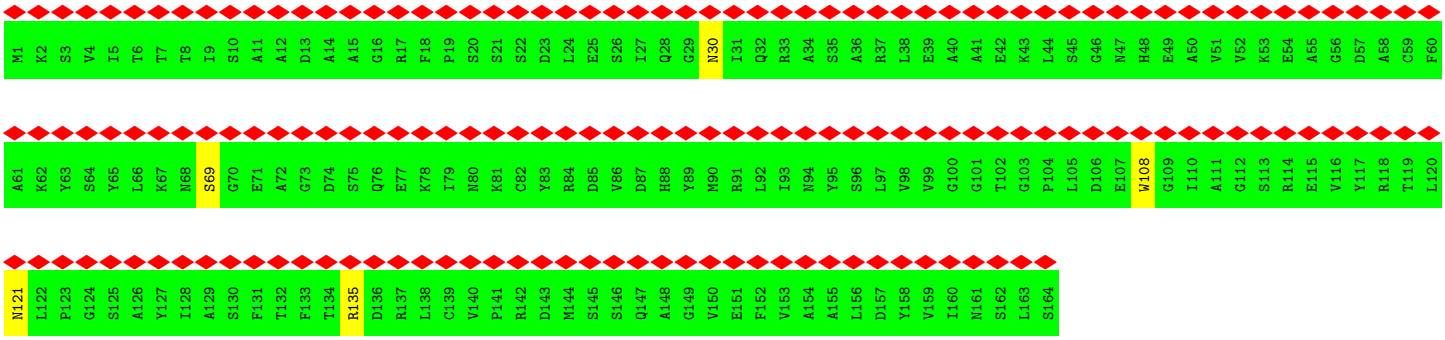




• Molecule 10: R-phycoerythrin alpha chain

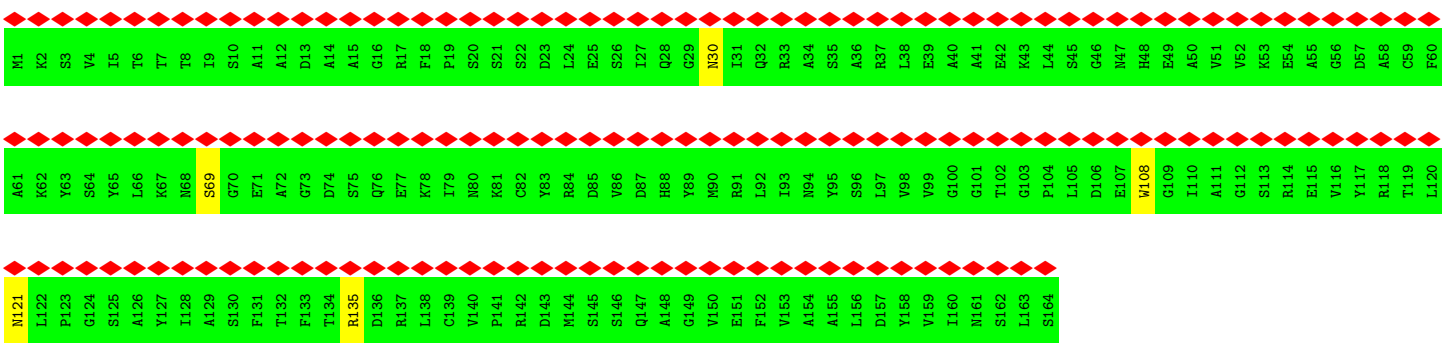
Chain O4:





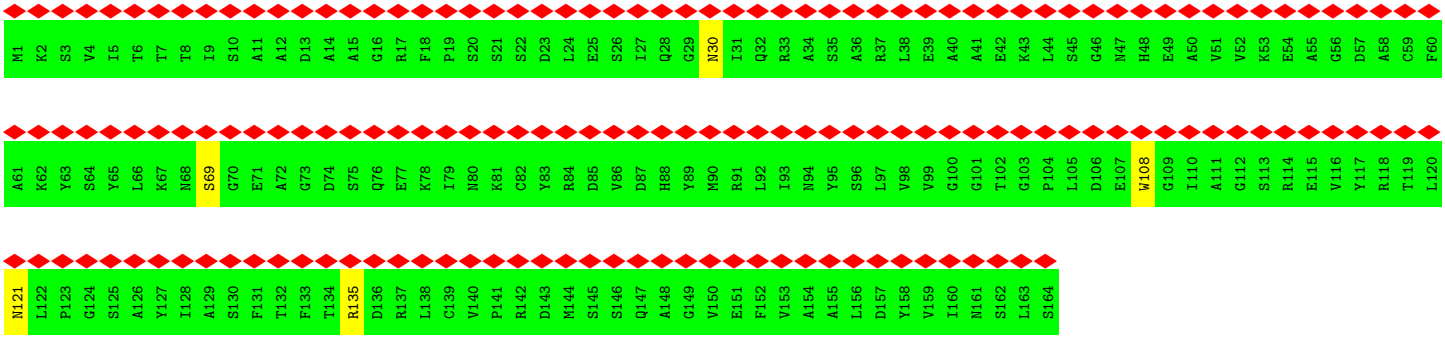
• Molecule 10: R-phycoerythrin alpha chain

Chain Q4:



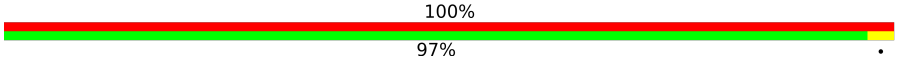
• Molecule 10: R-phycoerythrin alpha chain

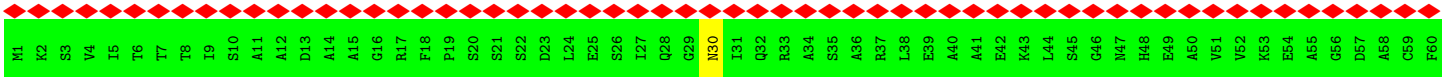
Chain S4:

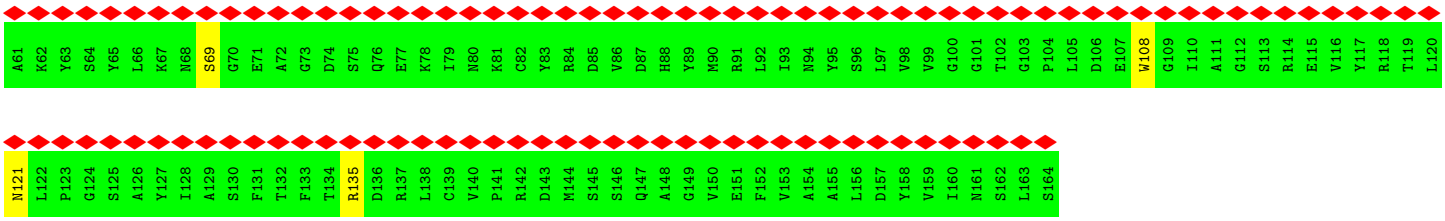


• Molecule 10: R-phycoerythrin alpha chain

Chain U4:

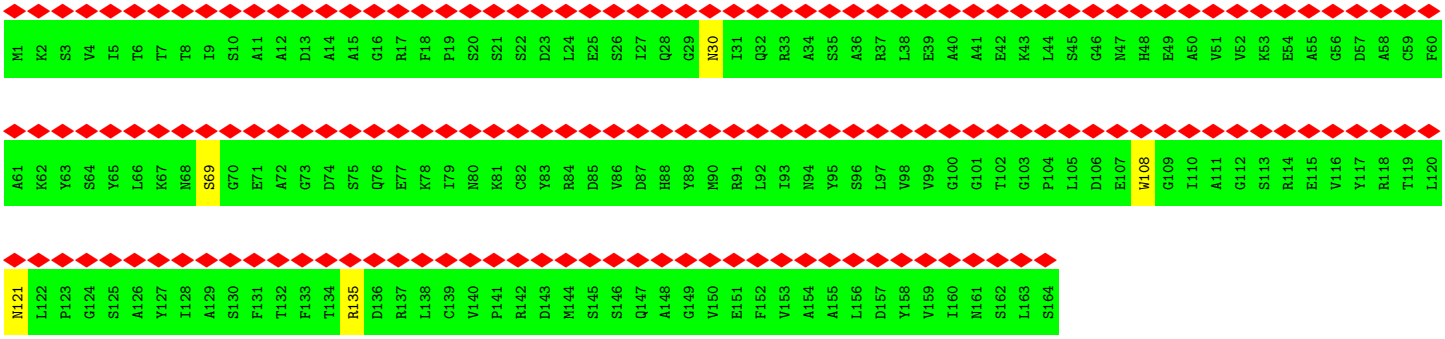






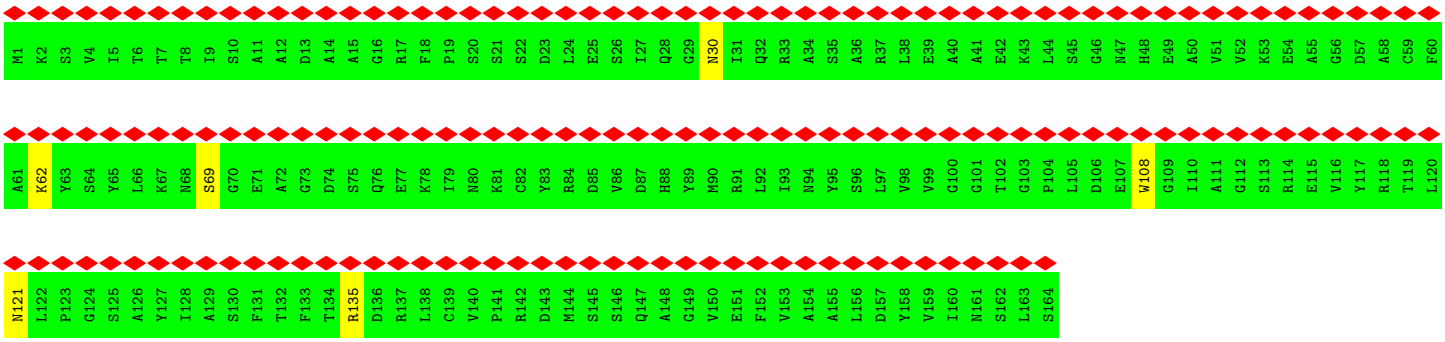
• Molecule 10: R-phycoerythrin alpha chain

Chain W4:



• Molecule 10: R-phycoerythrin alpha chain

Chain Y4:



• Molecule 10: R-phycoerythrin alpha chain

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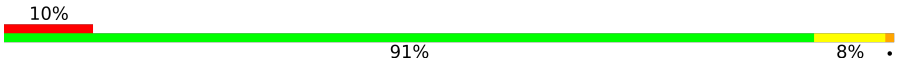
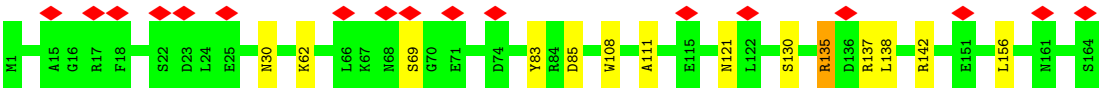
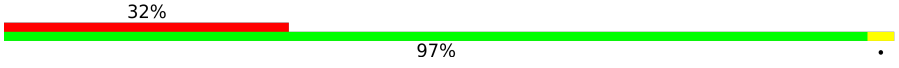
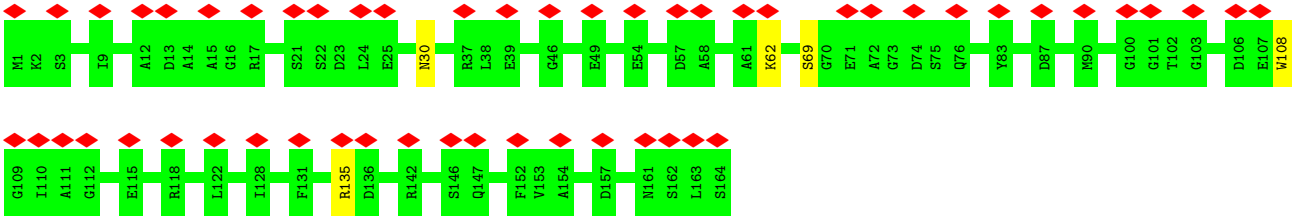




• Molecule 10: R-phycoerythrin alpha chain

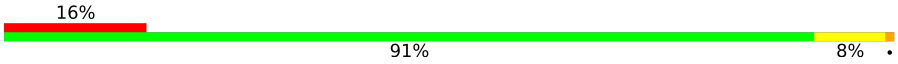
Chain o4:

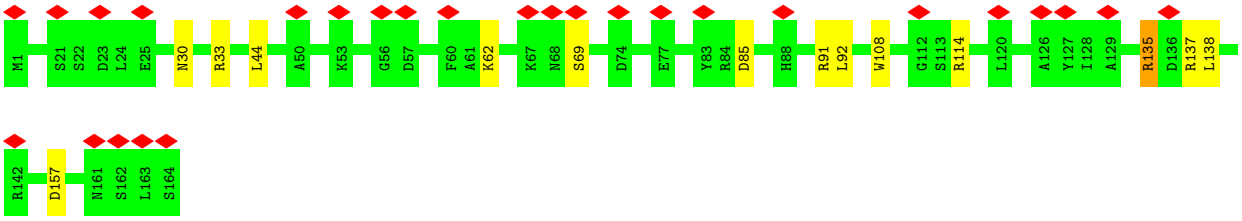




• Molecule 10: R-phycoerythrin alpha chain

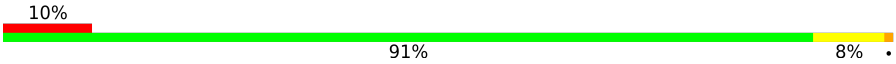
Chain q4:

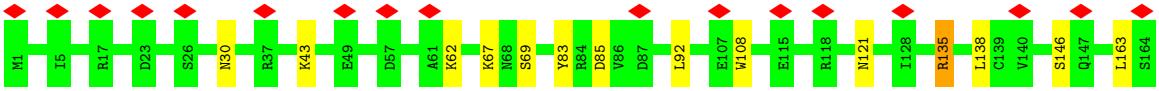




• Molecule 10: R-phycoerythrin alpha chain

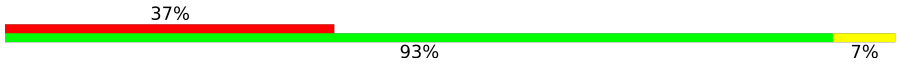
Chain s4:

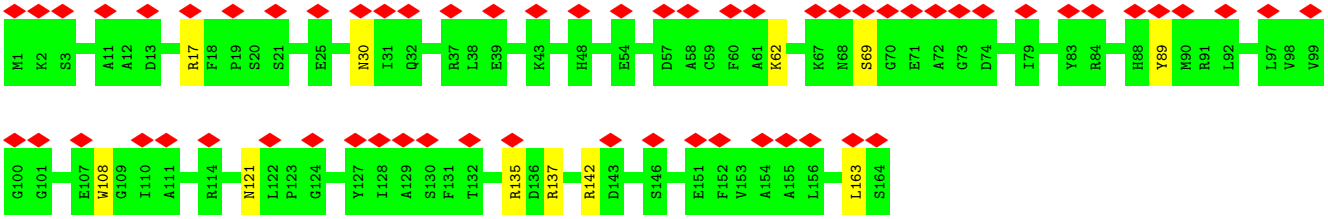




• Molecule 10: R-phycoerythrin alpha chain

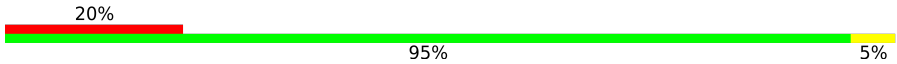
Chain u4:

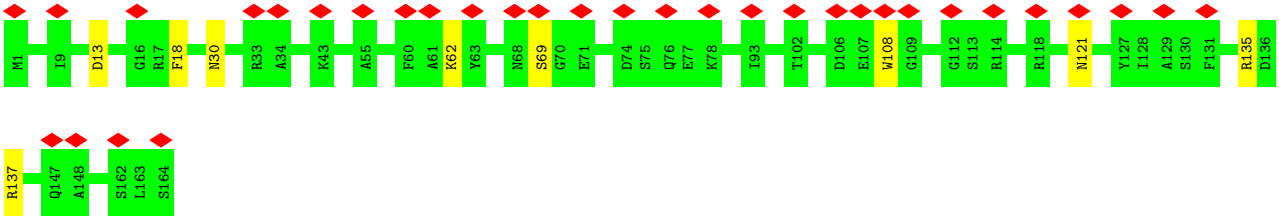




• Molecule 10: R-phycoerythrin alpha chain

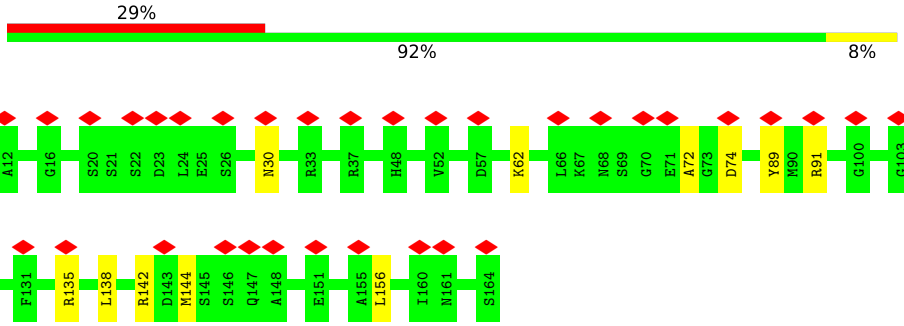
Chain w4:





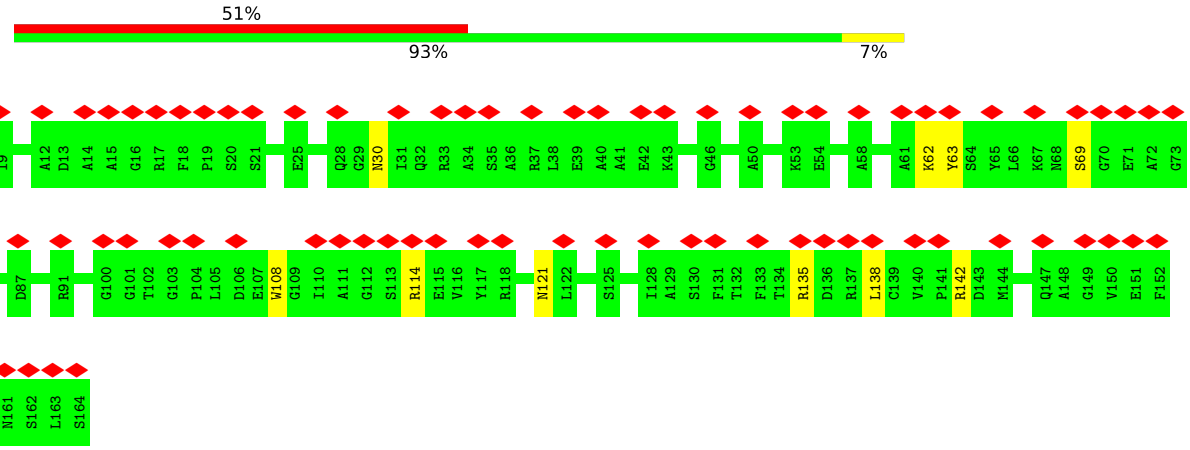
• Molecule 10: R-phycoerythrin alpha chain

Chain y4:



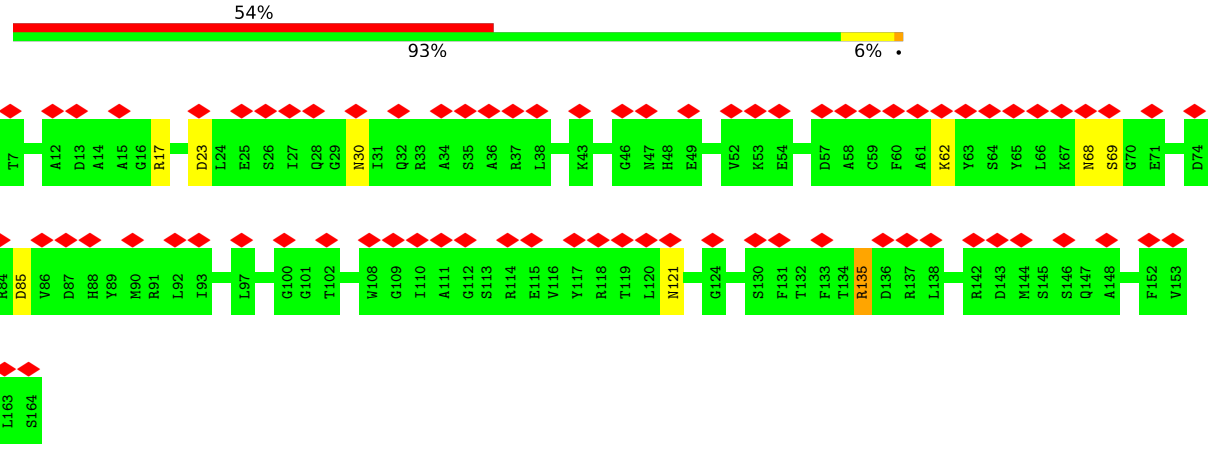
• Molecule 10: R-phycoerythrin alpha chain

Chain A5:



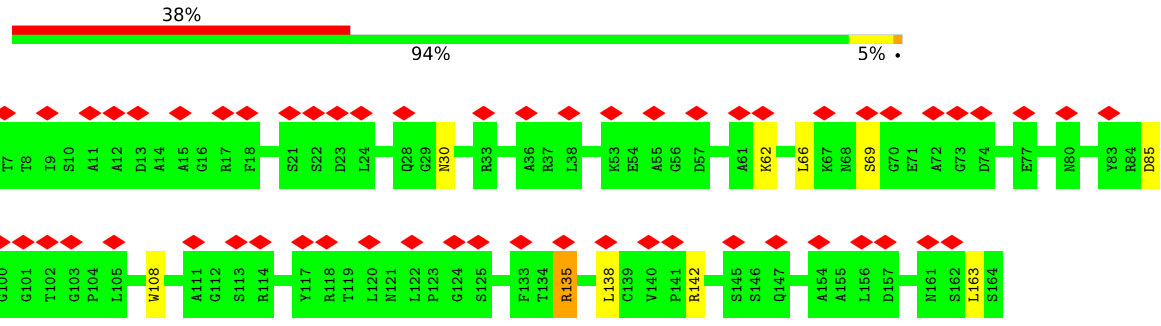
• Molecule 10: R-phycoerythrin alpha chain

Chain C5:



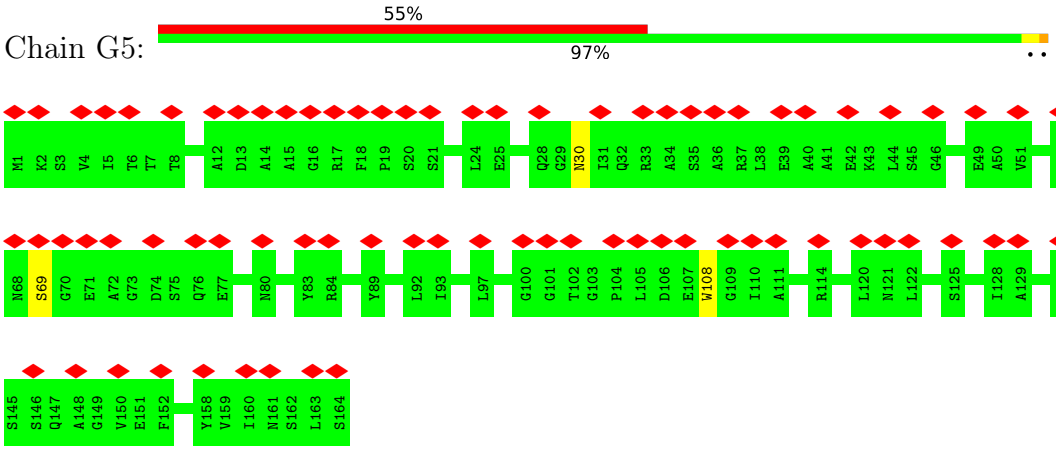
• Molecule 10: R-phycoerythrin alpha chain

Chain E5:



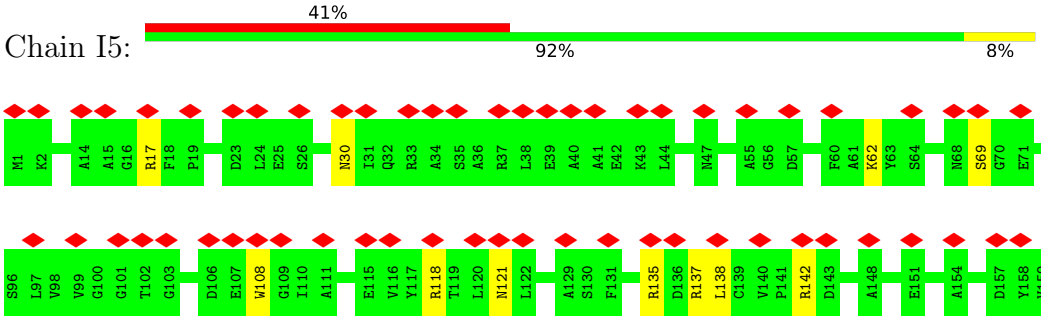
• Molecule 10: R-phycoerythrin alpha chain

Chain G5:



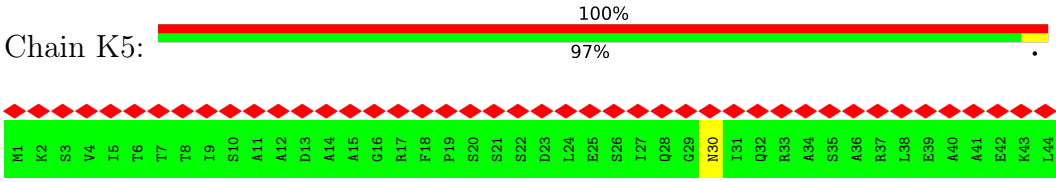
• Molecule 10: R-phycoerythrin alpha chain

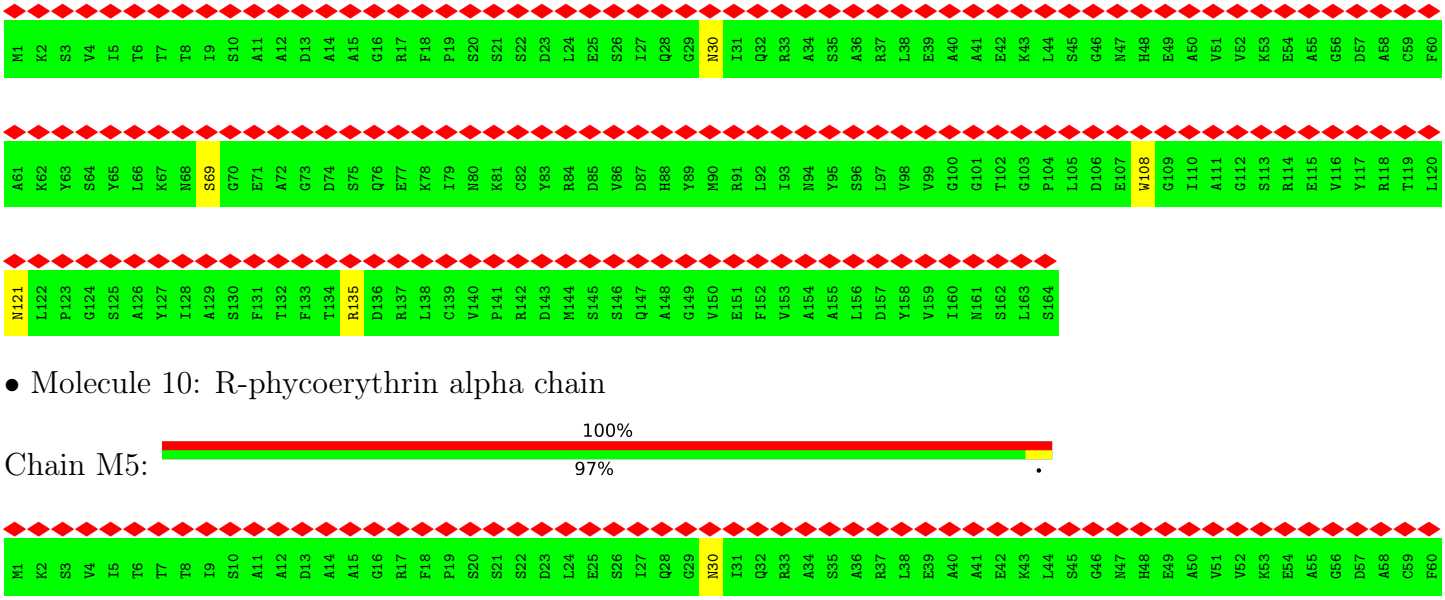
Chain I5:



• Molecule 10: R-phycoerythrin alpha chain

Chain K5:





• Molecule 10: R-phycoerythrin alpha chain

Chain M5:

A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

- Molecule 10: R-phycoerythrin alpha chain

Chain O5:

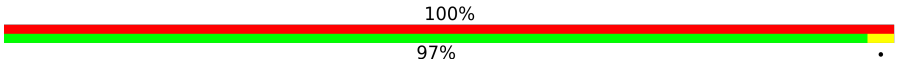
M1 K2 S3 V4 I5 T6 T7 T8 I9 S10 A11 A12 D13 A14 A15 G16 R17 F18 P19 S20 S21 S22 D23 L24 E25 S26 I27 Q28 G29 N30 I31 Q32 R33 A34 S35 A36 R37 L38 E39 A40 A41 E42 K43 L44 S45 G46 N47 H48 E49 A50 V51 V52 K53 E54 A55 G56 D57 A58 C59 F60

A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

- Molecule 10: R-phycoerythrin alpha chain

Chain Q5:



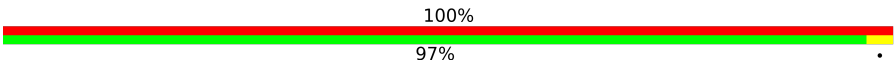
M1 K2 S3 V4 I5 T6 T7 T8 I9 S10 A11 A12 D13 A14 A15 G16 R17 F18 P19 S20 S21 S22 D23 L24 E25 S26 I27 Q28 G29 N30 I31 Q32 R33 A34 S35 A36 R37 L38 E39 A40 A41 E42 K43 L44 S45 G46 N47 H48 E49 A50 V51 V52 K53 E54 A55 G56 D57 A58 C59 F60

A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

- Molecule 10: R-phycoerythrin alpha chain

Chain S5:



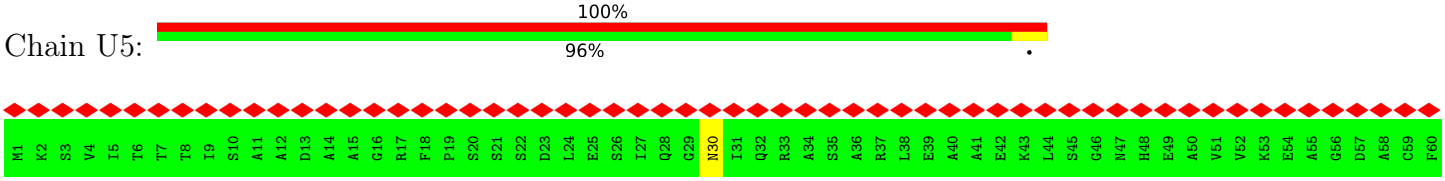
M1 K2 S3 V4 I5 T6 T7 T8 I9 S10 A11 A12 D13 A14 A15 G16 R17 F18 P19 S20 S21 S22 D23 L24 E25 S26 I27 Q28 G29 N30 I31 Q32 R33 A34 S35 A36 R37 L38 E39 A40 A41 E42 K43 L44 S45 G46 N47 H48 E49 A50 V51 V52 K53 E54 A55 G56 D57 A58 C59 F60

A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

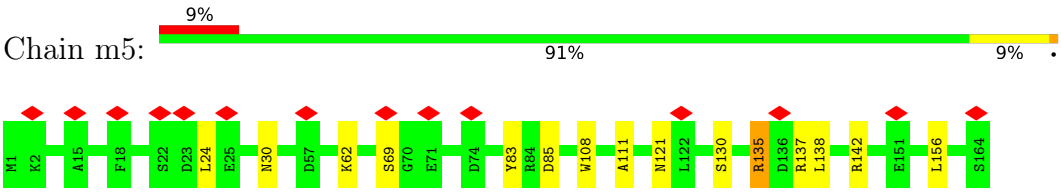
• Molecule 10: R-phycoerythrin alpha chain

Chain U5:



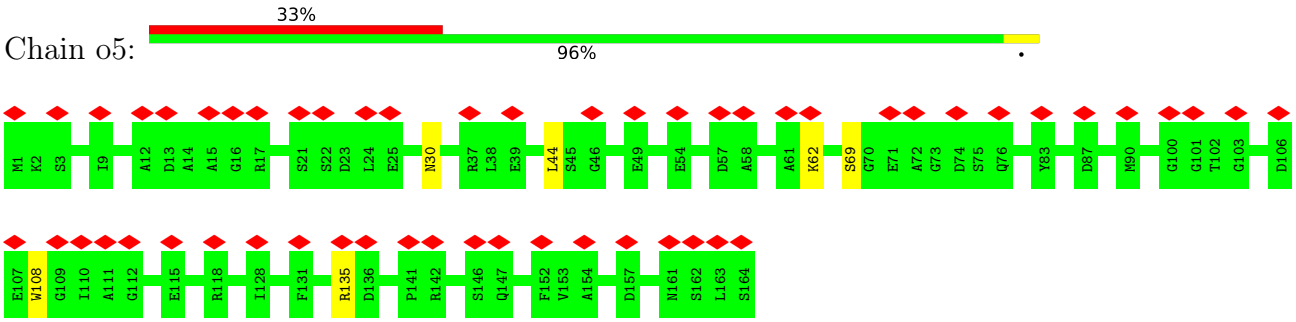
• Molecule 10: R-phycoerythrin alpha chain

Chain m5:



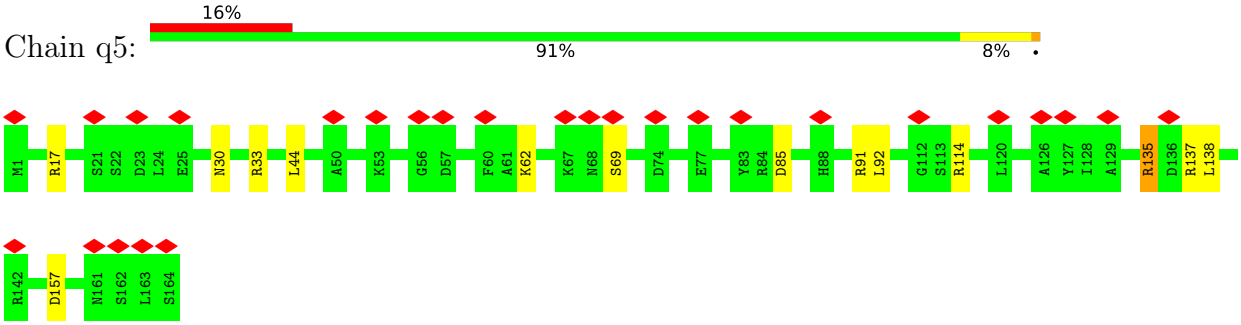
• Molecule 10: R-phycoerythrin alpha chain

Chain o5:



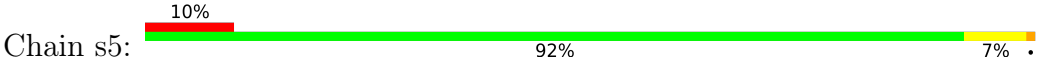
• Molecule 10: R-phycoerythrin alpha chain

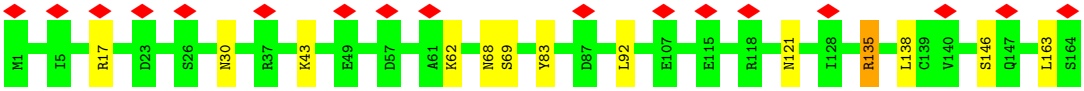
Chain q5:



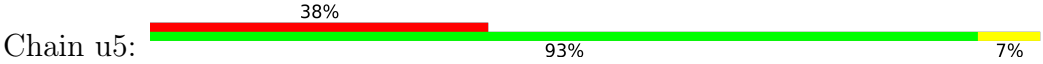
• Molecule 10: R-phycoerythrin alpha chain

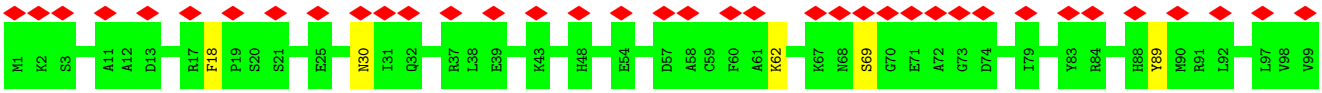
Chain s5:

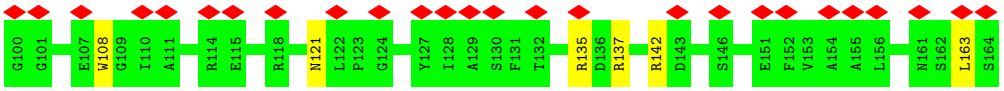




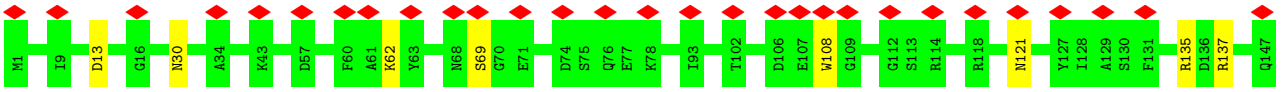
• Molecule 10: R-phycoerythrin alpha chain

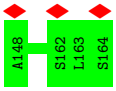




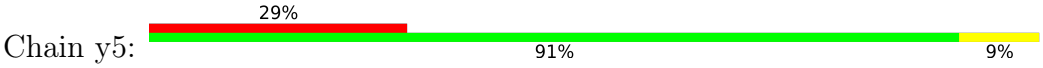


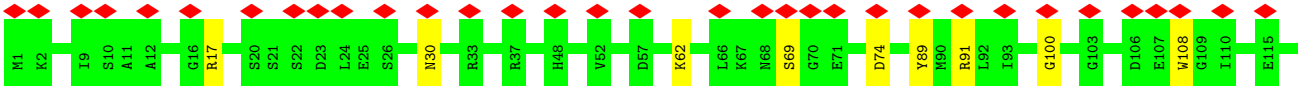
• Molecule 10: R-phycoerythrin alpha chain

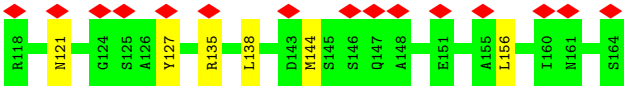




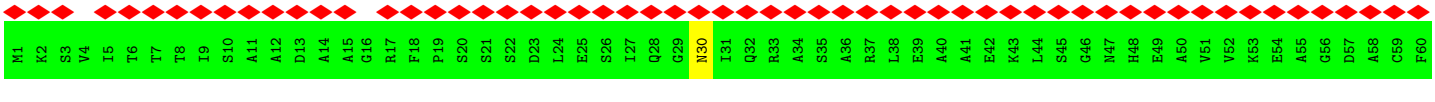
• Molecule 10: R-phycoerythrin alpha chain

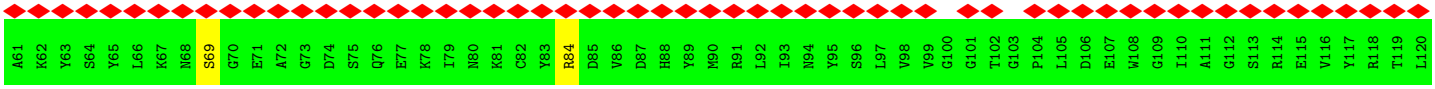


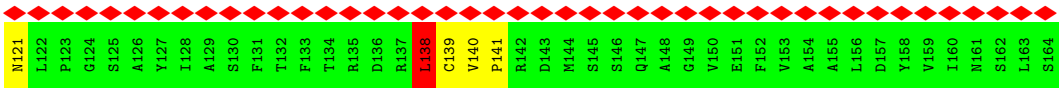




• Molecule 10: R-phycoerythrin alpha chain

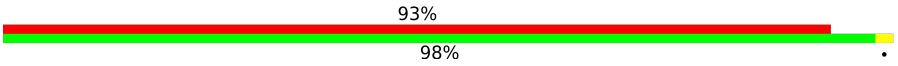


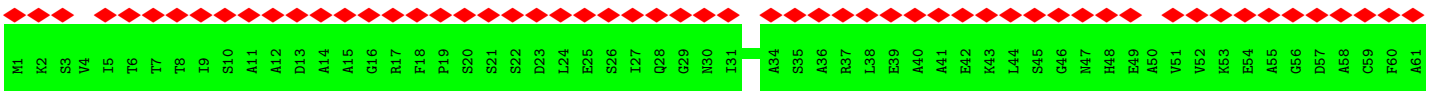




• Molecule 10: R-phycoerythrin alpha chain

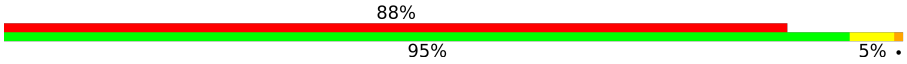
Chain j8:

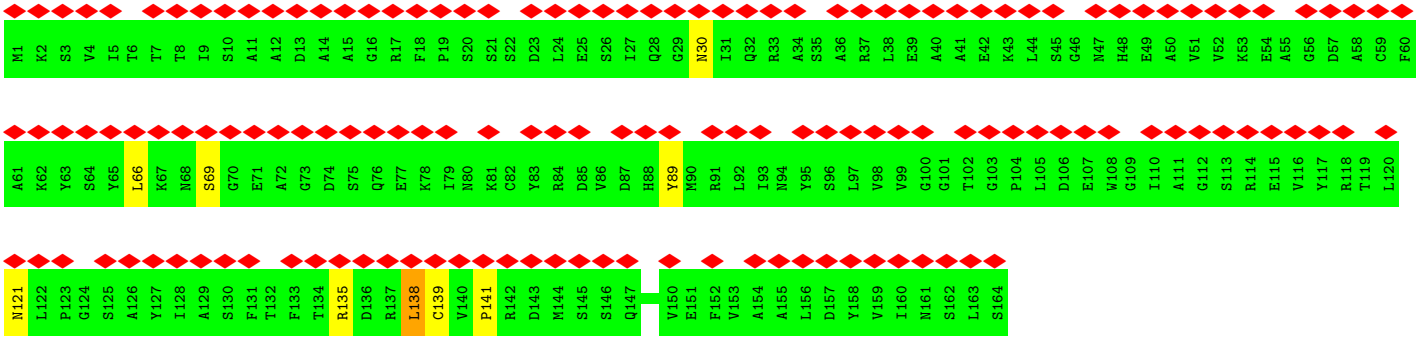




• Molecule 10: R-phycoerythrin alpha chain

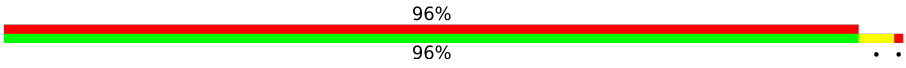
Chain k8:

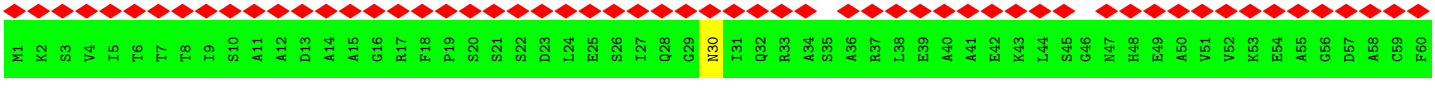




• Molecule 10: R-phycoerythrin alpha chain

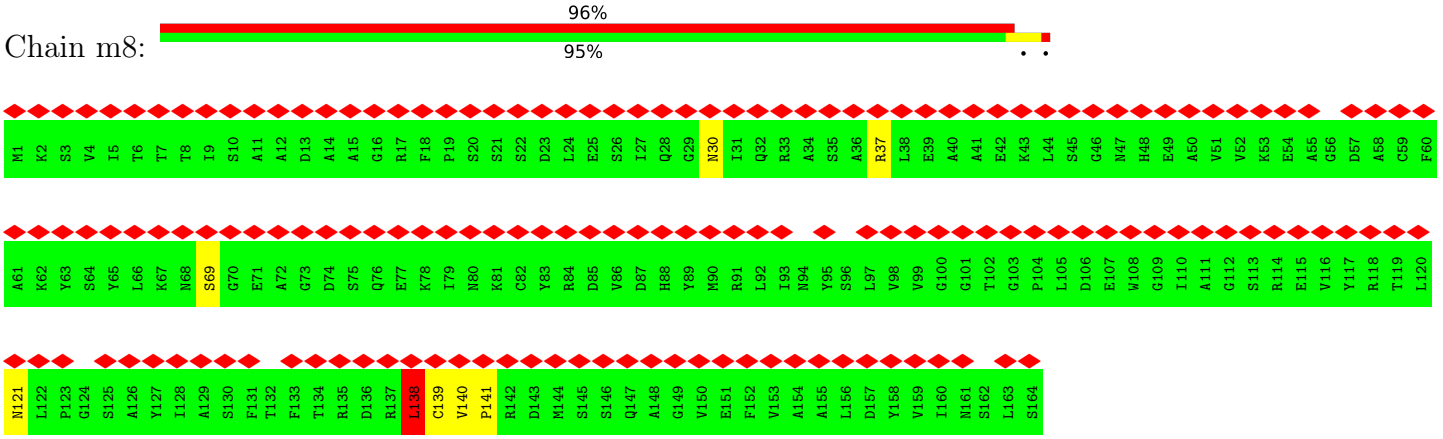
Chain l8:





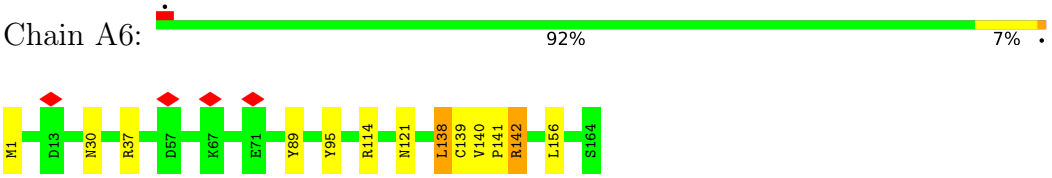
• Molecule 10: R-phycoerythrin alpha chain

Chain m8:



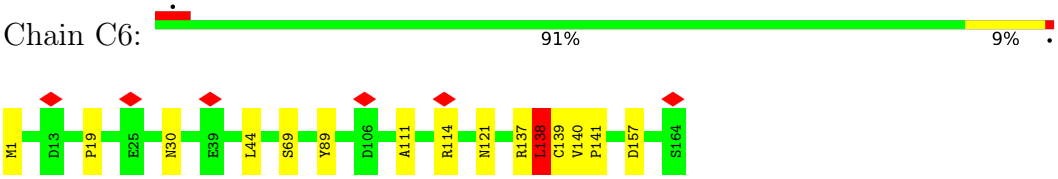
• Molecule 10: R-phycoerythrin alpha chain

Chain A6:



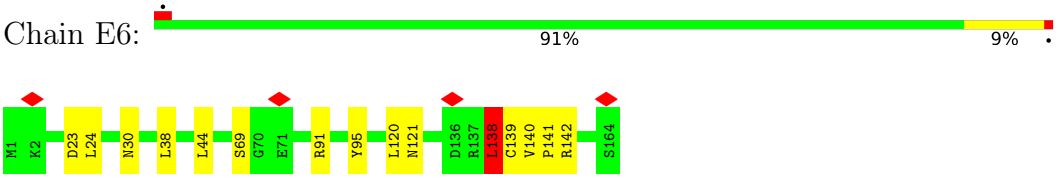
• Molecule 10: R-phycoerythrin alpha chain

Chain C6:



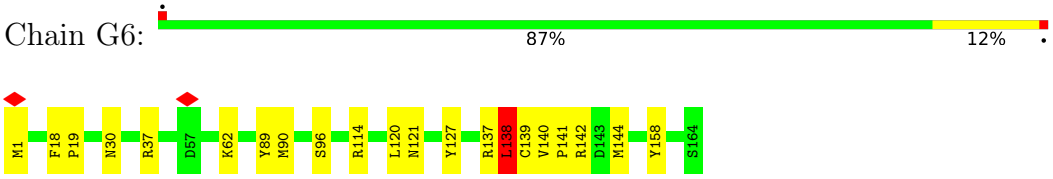
• Molecule 10: R-phycoerythrin alpha chain

Chain E6:



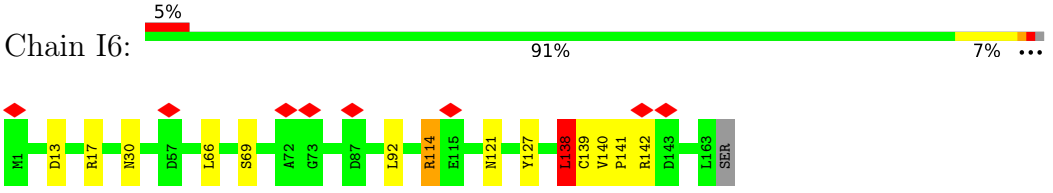
• Molecule 10: R-phycoerythrin alpha chain

Chain G6:



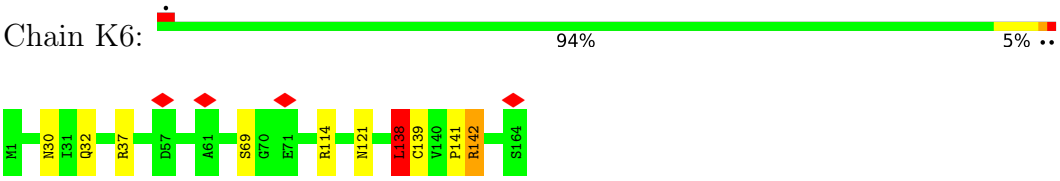
• Molecule 10: R-phycoerythrin alpha chain

Chain I6:



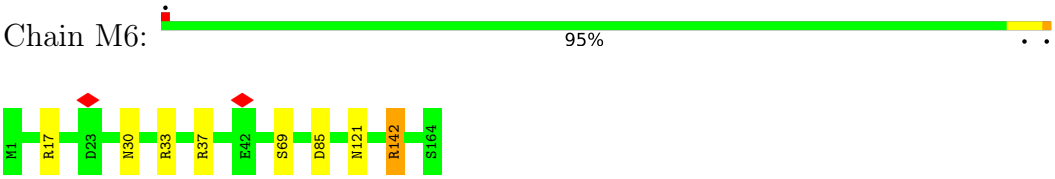
• Molecule 10: R-phycoerythrin alpha chain

Chain K6:



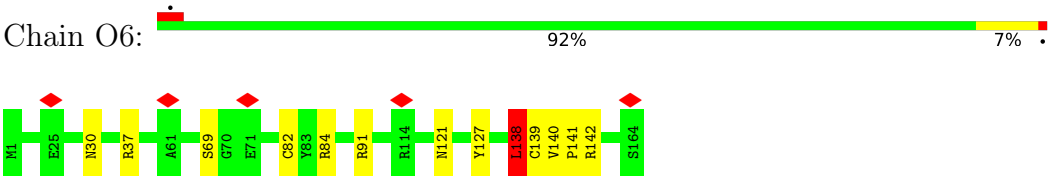
• Molecule 10: R-phycoerythrin alpha chain

Chain M6:



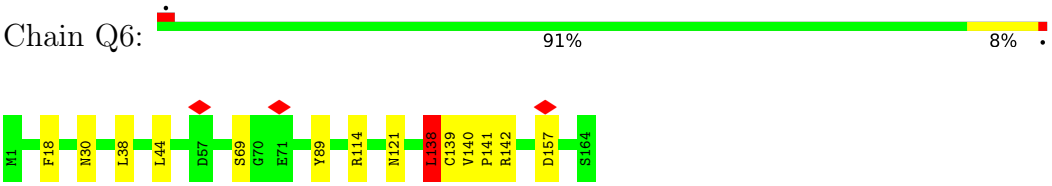
• Molecule 10: R-phycoerythrin alpha chain

Chain O6:



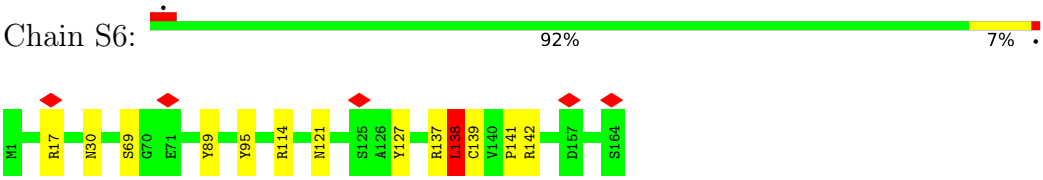
• Molecule 10: R-phycoerythrin alpha chain

Chain Q6:



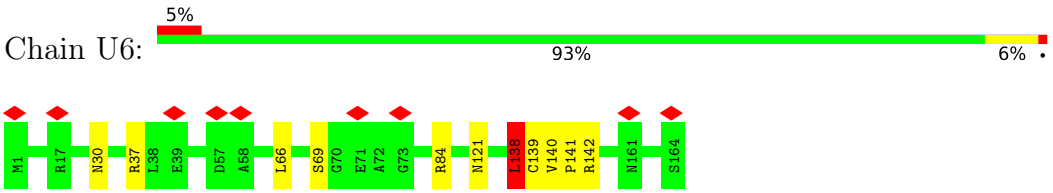
• Molecule 10: R-phycoerythrin alpha chain

Chain S6:



• Molecule 10: R-phycoerythrin alpha chain

Chain U6:



• Molecule 10: R-phycoerythrin alpha chain

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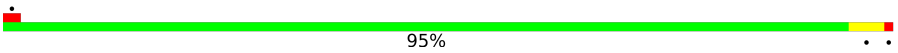
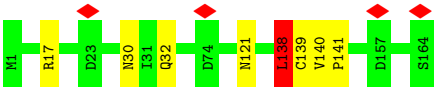
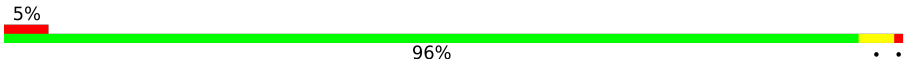
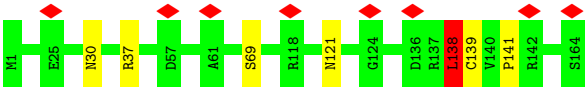




• Molecule 10: R-phycoerythrin alpha chain

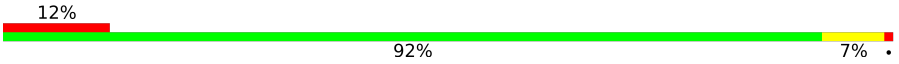
Chain Y6:

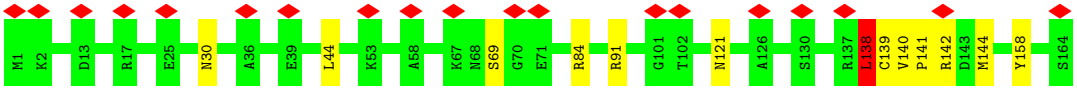




• Molecule 10: R-phycoerythrin alpha chain

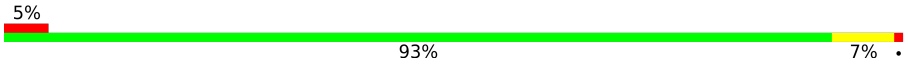
Chain f6:

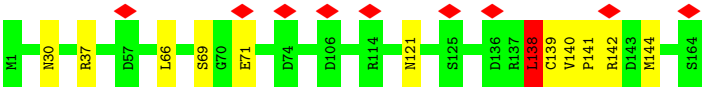




• Molecule 10: R-phycoerythrin alpha chain

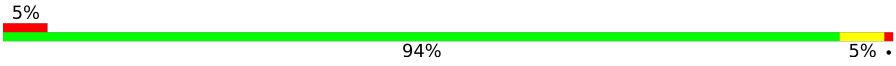
Chain g6:

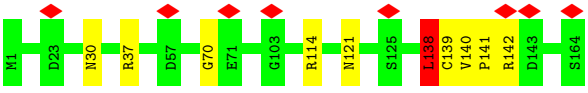




• Molecule 10: R-phycoerythrin alpha chain

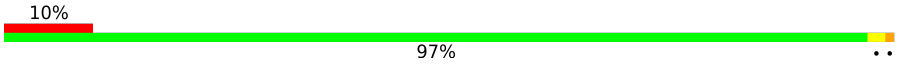
Chain h6:

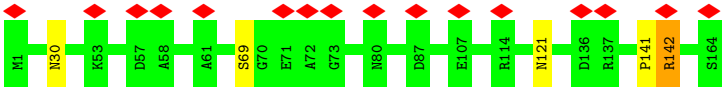




• Molecule 10: R-phycoerythrin alpha chain

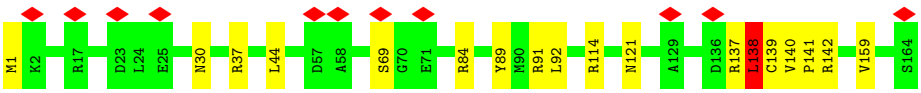
Chain i6:





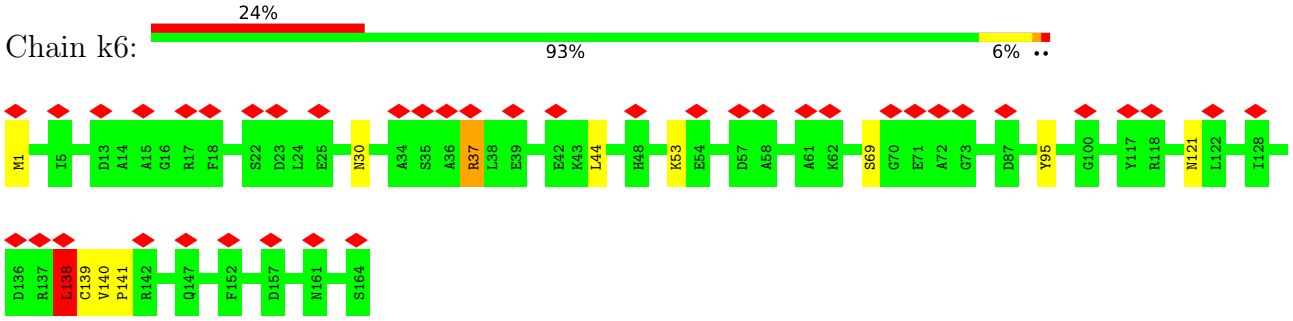
• Molecule 10: R-phycoerythrin alpha chain

Chain j6:



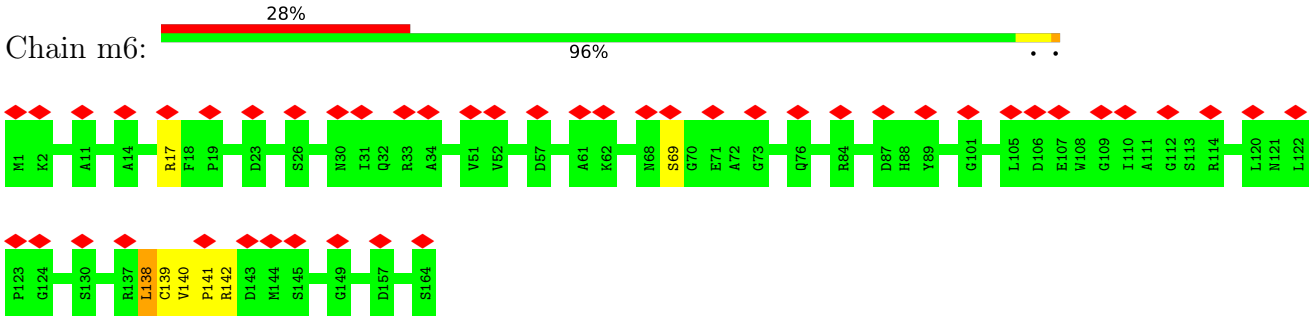
• Molecule 10: R-phycoerythrin alpha chain

Chain k6:



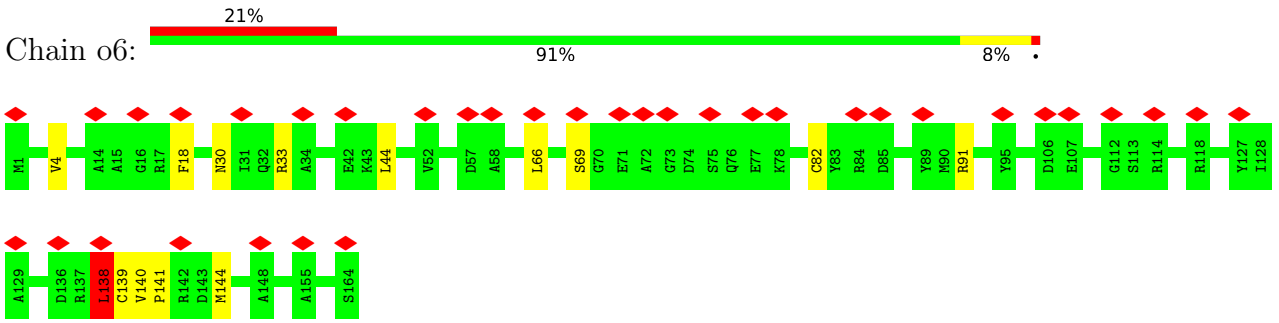
• Molecule 10: R-phycoerythrin alpha chain

Chain m6:



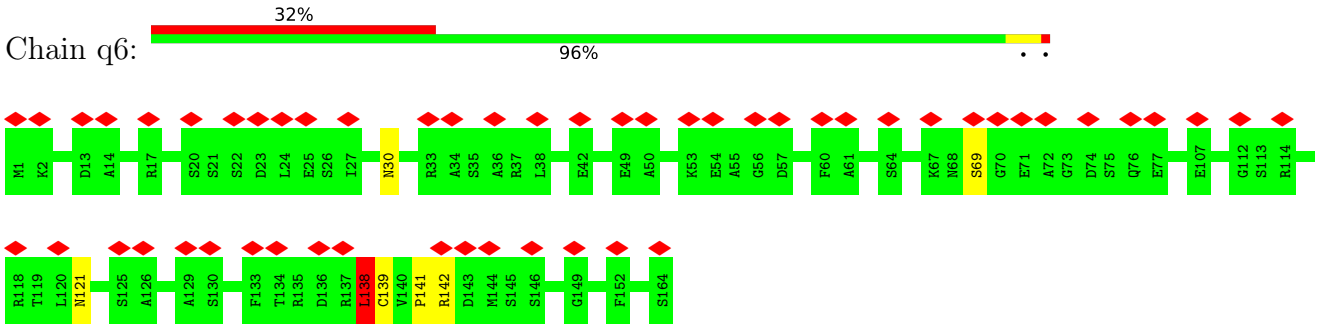
• Molecule 10: R-phycoerythrin alpha chain

Chain o6:



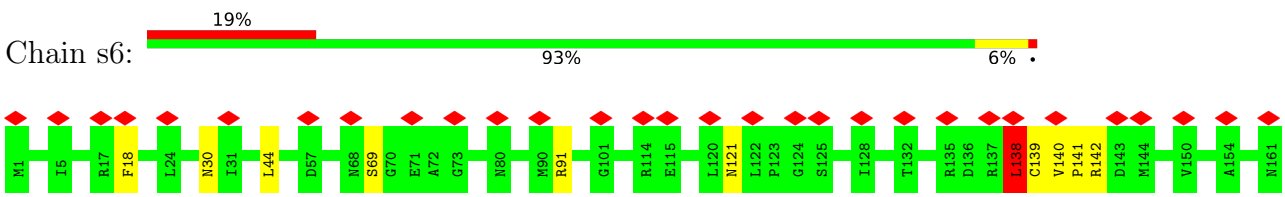
• Molecule 10: R-phycoerythrin alpha chain

Chain q6:



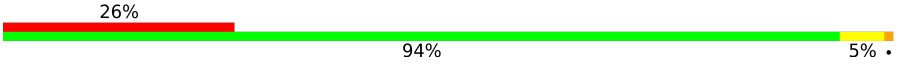
• Molecule 10: R-phycoerythrin alpha chain

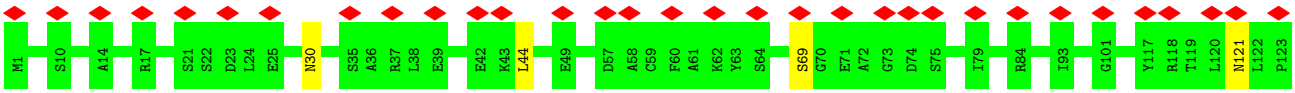
Chain s6:

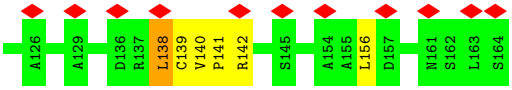


• Molecule 10: R-phycoerythrin alpha chain

Chain u6:

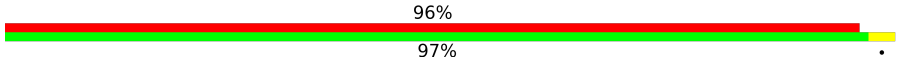


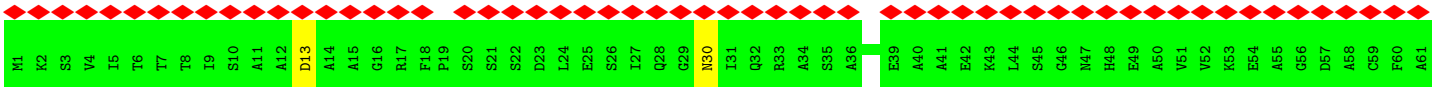


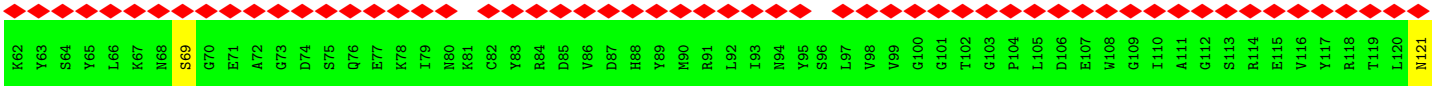


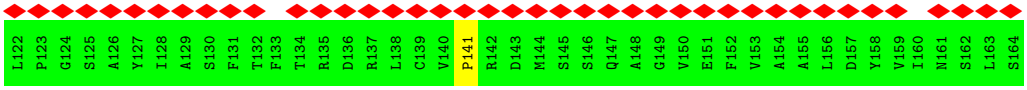
• Molecule 10: R-phycoerythrin alpha chain

Chain w6:



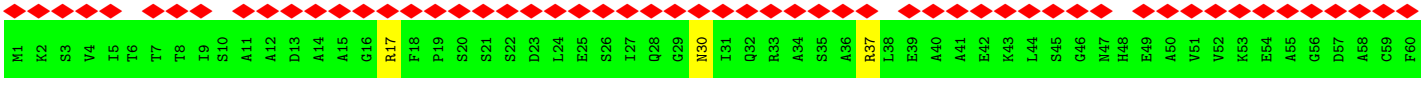


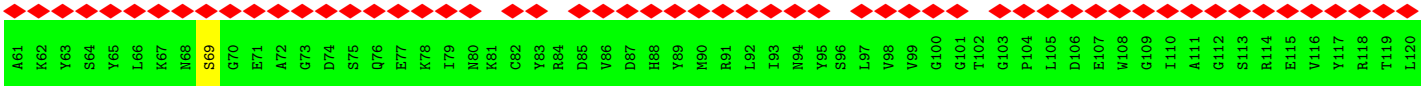


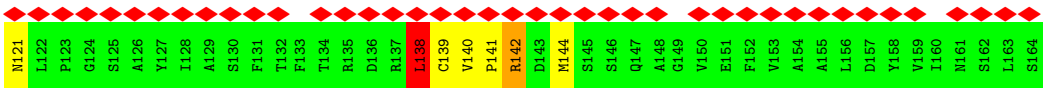


• Molecule 10: R-phycoerythrin alpha chain

Chain q8:

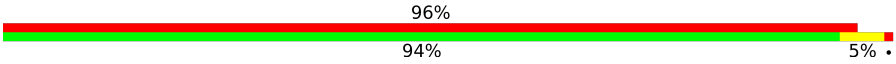


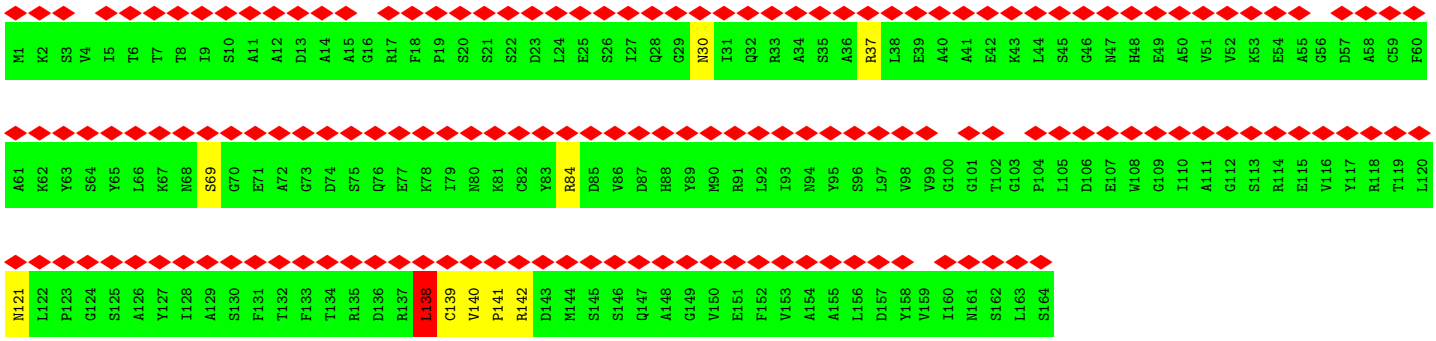




• Molecule 10: R-phycoerythrin alpha chain

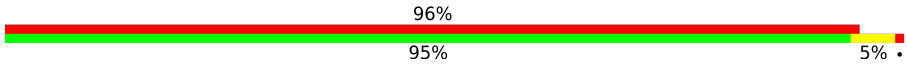
Chain r8:

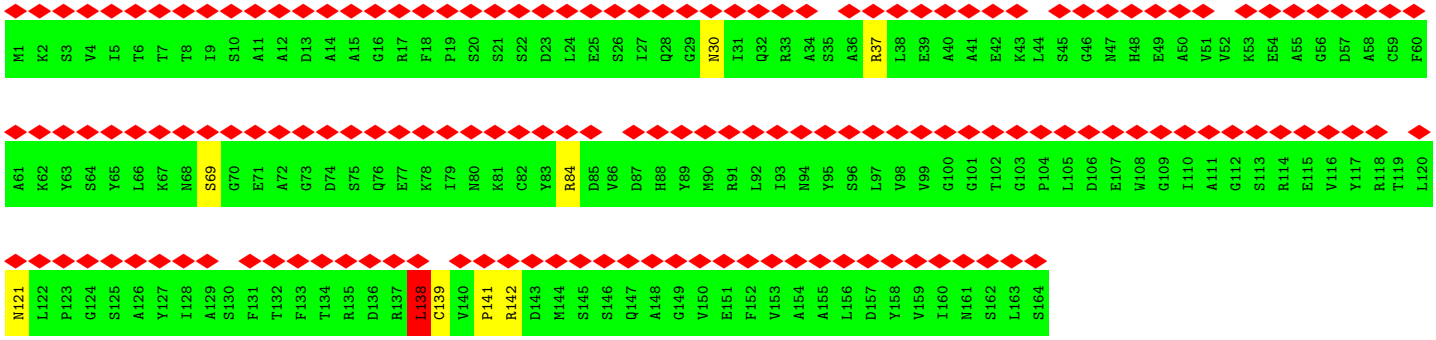




• Molecule 10: R-phycoerythrin alpha chain

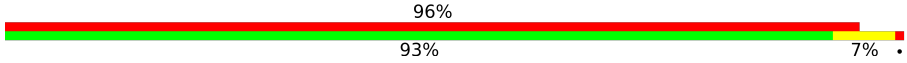
Chain s8:

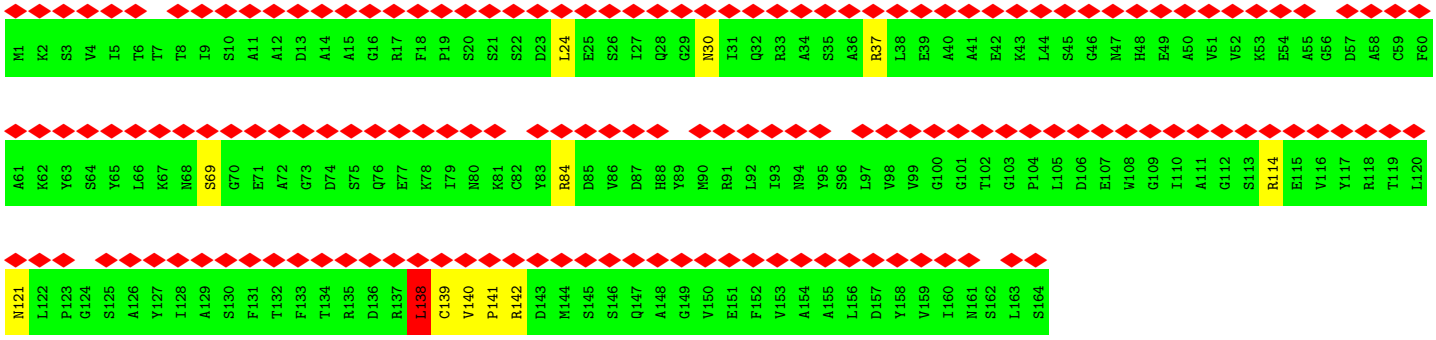




• Molecule 10: R-phycoerythrin alpha chain

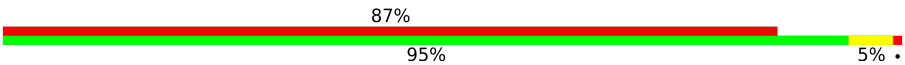
Chain t8:

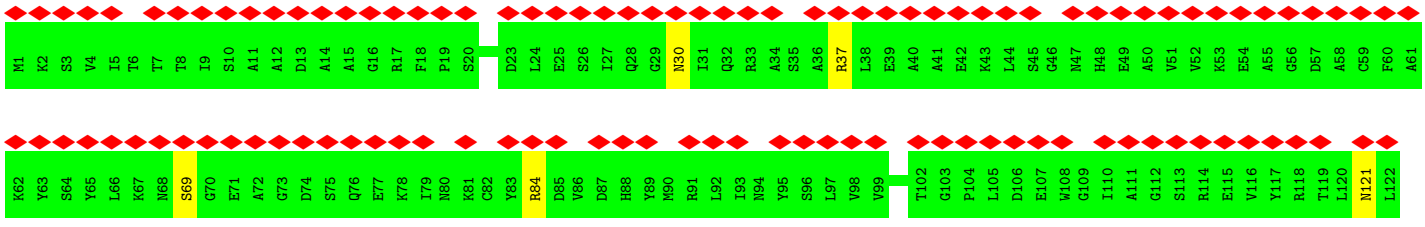


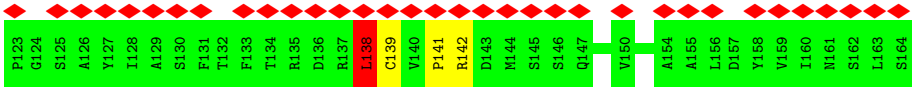


• Molecule 10: R-phycoerythrin alpha chain

Chain u8:

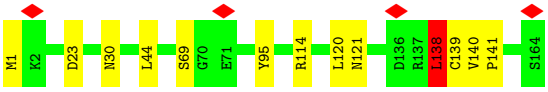






• Molecule 10: R-phycoerythrin alpha chain

Chain A7:

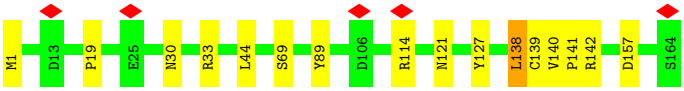


• Molecule 10: R-phycoerythrin alpha chain

Chain C7:

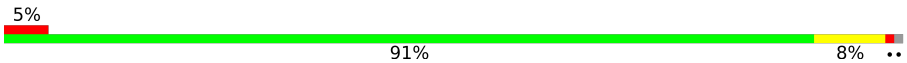
• Molecule 10: R-phycoerythrin alpha chain

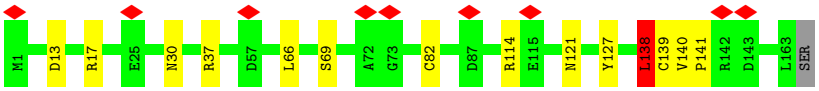
Chain E7:



• Molecule 10: R-phycoerythrin alpha chain

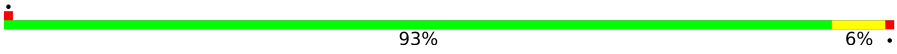
Chain G7:

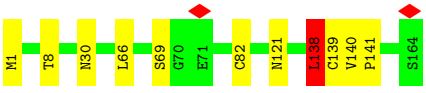




• Molecule 10: R-phycoerythrin alpha chain

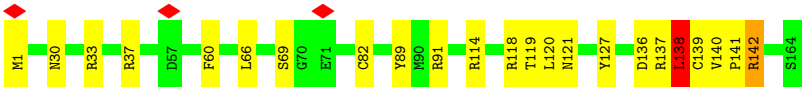
Chain I7:





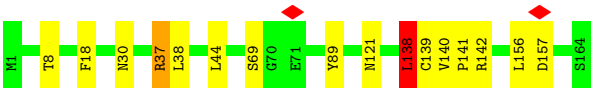
• Molecule 10: R-phycoerythrin alpha chain

Chain K7:



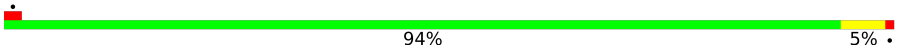
• Molecule 10: R-phycoerythrin alpha chain

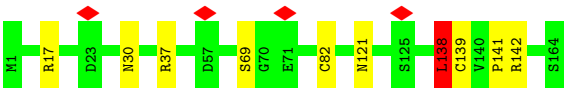
Chain M7:



• Molecule 10: R-phycoerythrin alpha chain

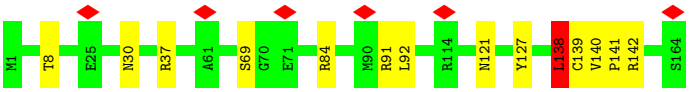
Chain O7:





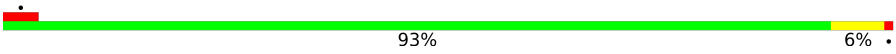
• Molecule 10: R-phycoerythrin alpha chain

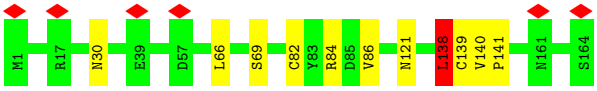
Chain Q7:



• Molecule 10: R-phycoerythrin alpha chain

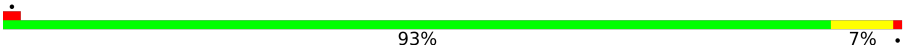
Chain S7:

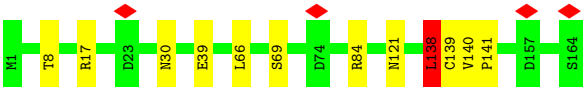




• Molecule 10: R-phycoerythrin alpha chain

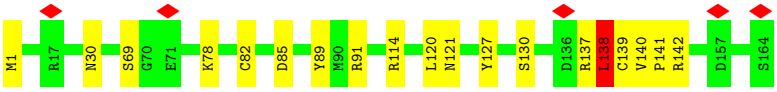
Chain U7:





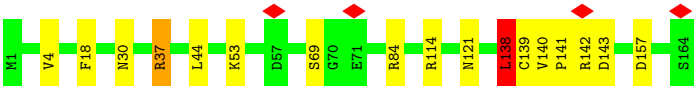
• Molecule 10: R-phycoerythrin alpha chain

Chain W7:



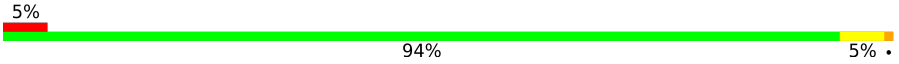
• Molecule 10: R-phycoerythrin alpha chain

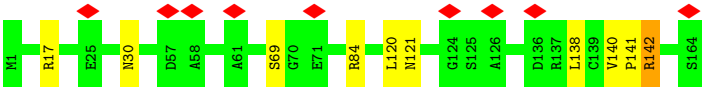
Chain Y7:



• Molecule 10: R-phycoerythrin alpha chain

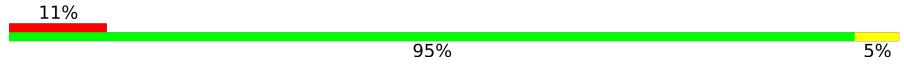
Chain f7:

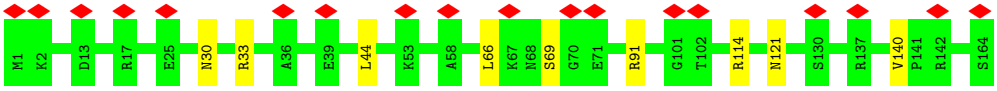




• Molecule 10: R-phycoerythrin alpha chain

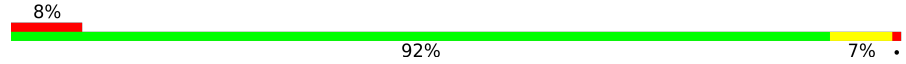
Chain g7:

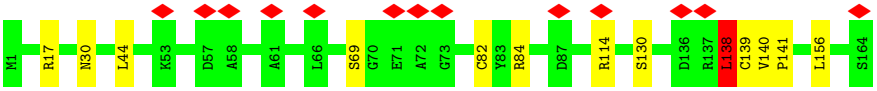




• Molecule 10: R-phycoerythrin alpha chain

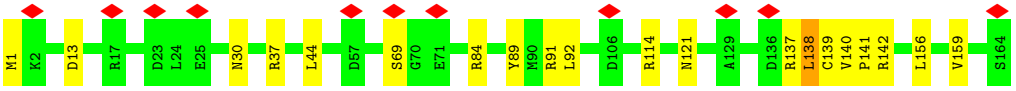
Chain h7:





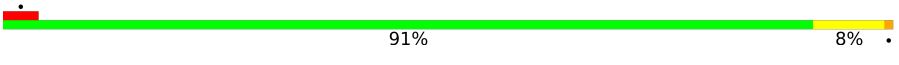
• Molecule 10: R-phycoerythrin alpha chain

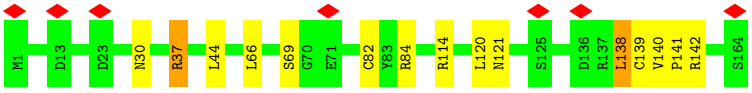
Chain i7:



• Molecule 10: R-phycoerythrin alpha chain

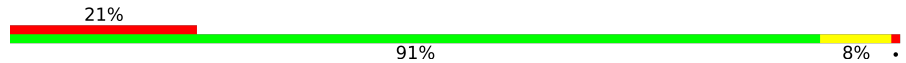
Chain j7:

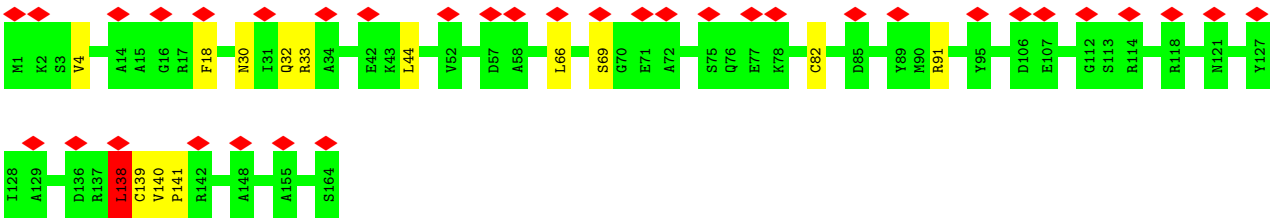




• Molecule 10: R-phycoerythrin alpha chain

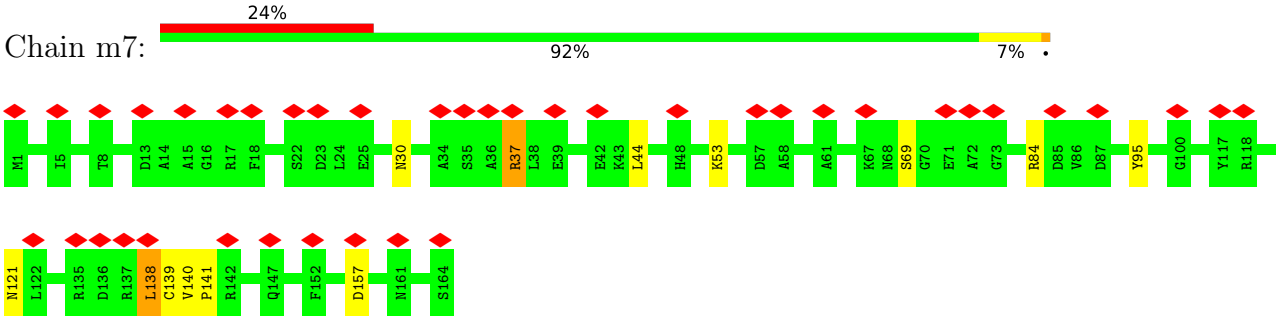
Chain k7:





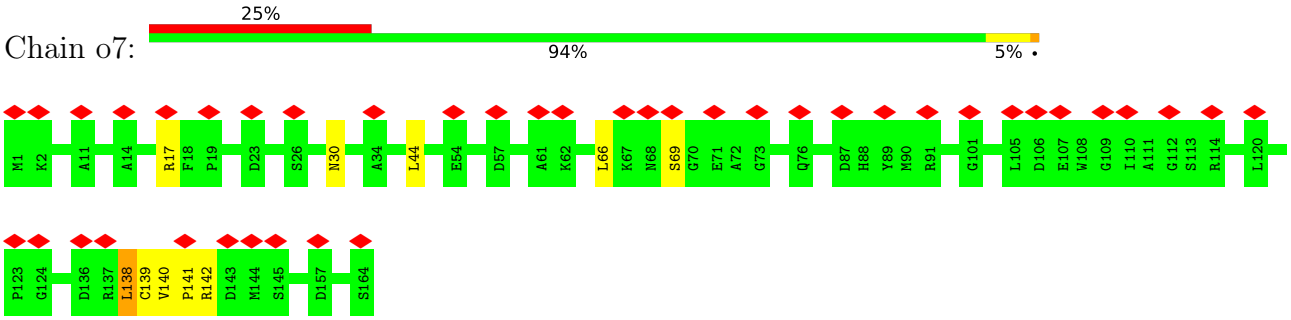
• Molecule 10: R-phycoerythrin alpha chain

Chain m7:



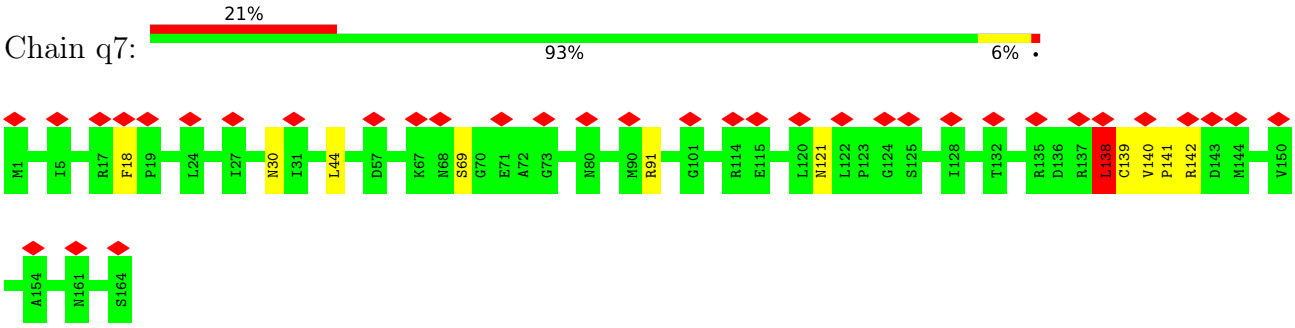
• Molecule 10: R-phycoerythrin alpha chain

Chain o7:



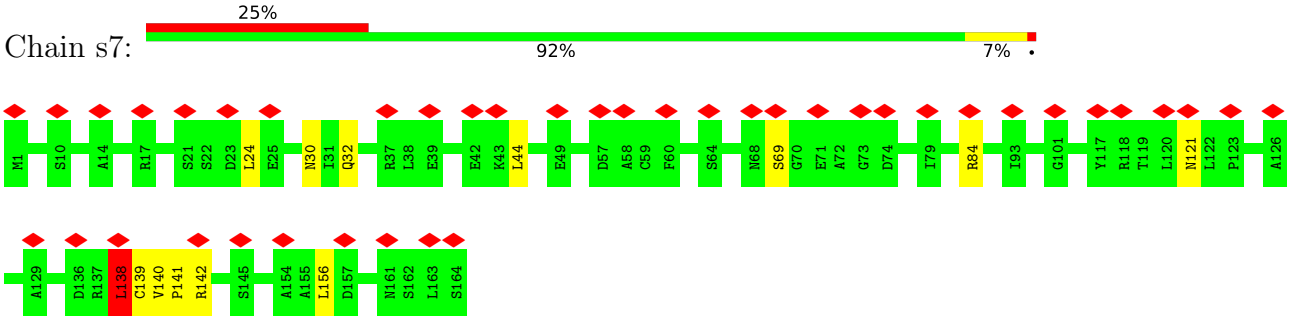
• Molecule 10: R-phycoerythrin alpha chain

Chain q7:



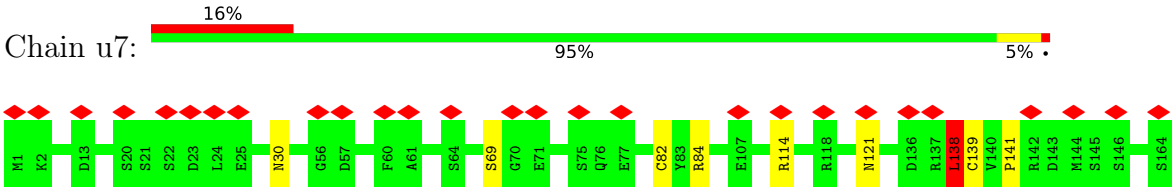
• Molecule 10: R-phycoerythrin alpha chain

Chain s7:



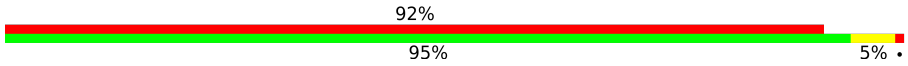
• Molecule 10: R-phycoerythrin alpha chain

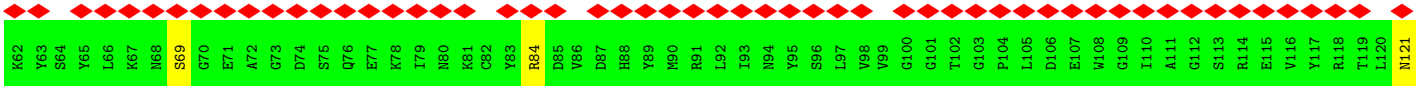
Chain u7:

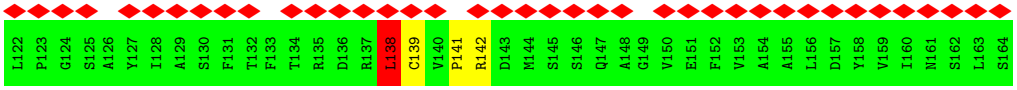


• Molecule 10: R-phycoerythrin alpha chain

Chain w7:

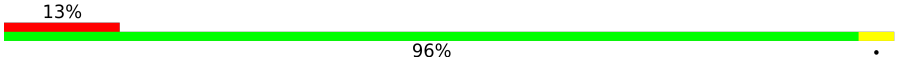


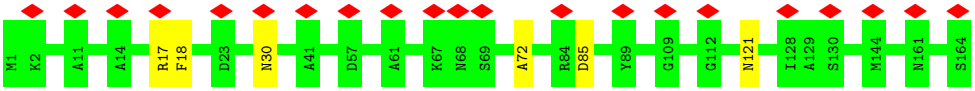




• Molecule 10: R-phycoerythrin alpha chain

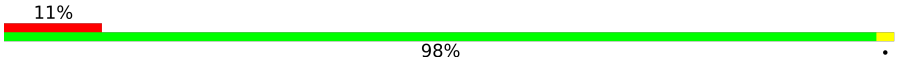
Chain v8:

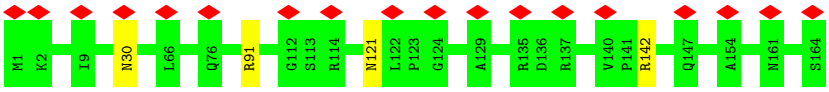




• Molecule 10: R-phycoerythrin alpha chain

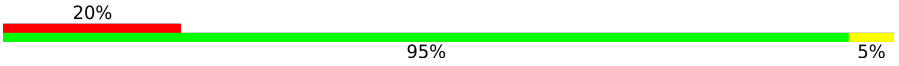
Chain x8:

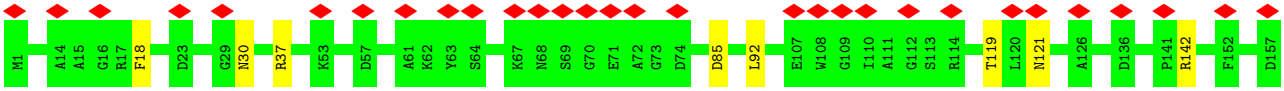




• Molecule 10: R-phycoerythrin alpha chain

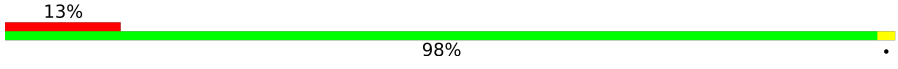
Chain z8:

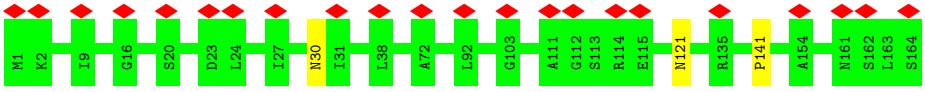




• Molecule 10: R-phycoerythrin alpha chain

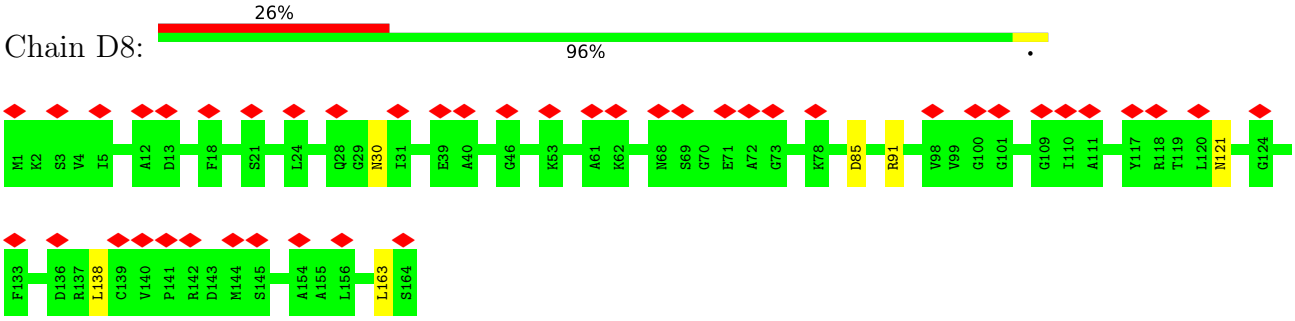
Chain B8:





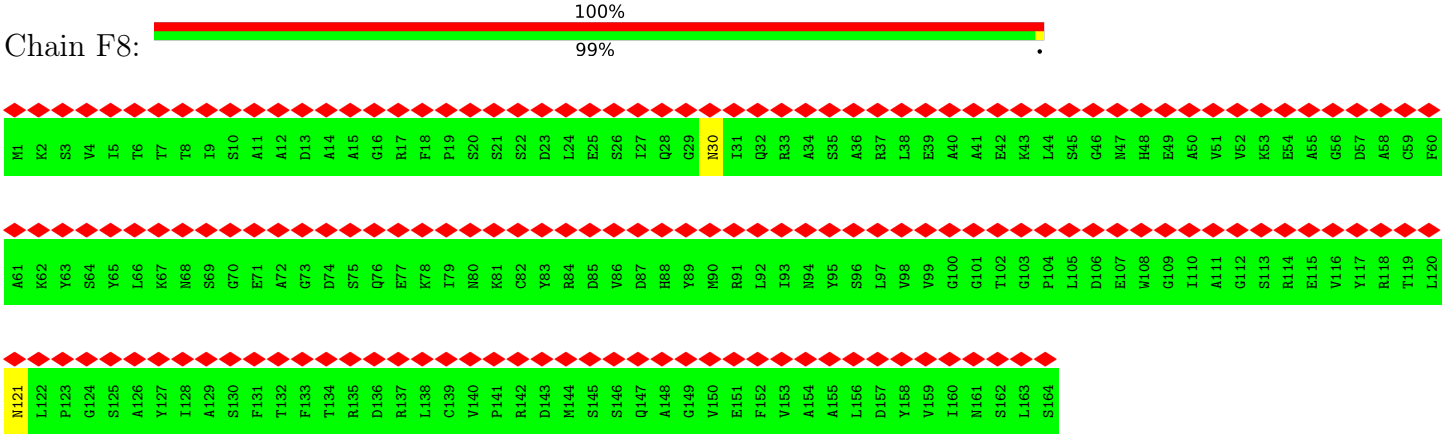
• Molecule 10: R-phycoerythrin alpha chain

Chain D8:



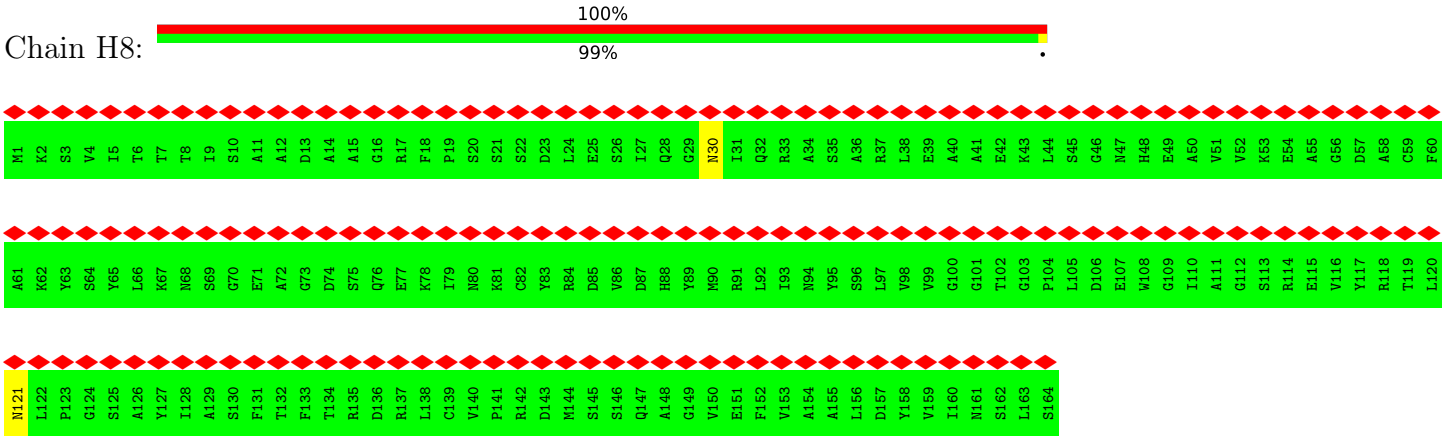
• Molecule 10: R-phycoerythrin alpha chain

Chain F8:



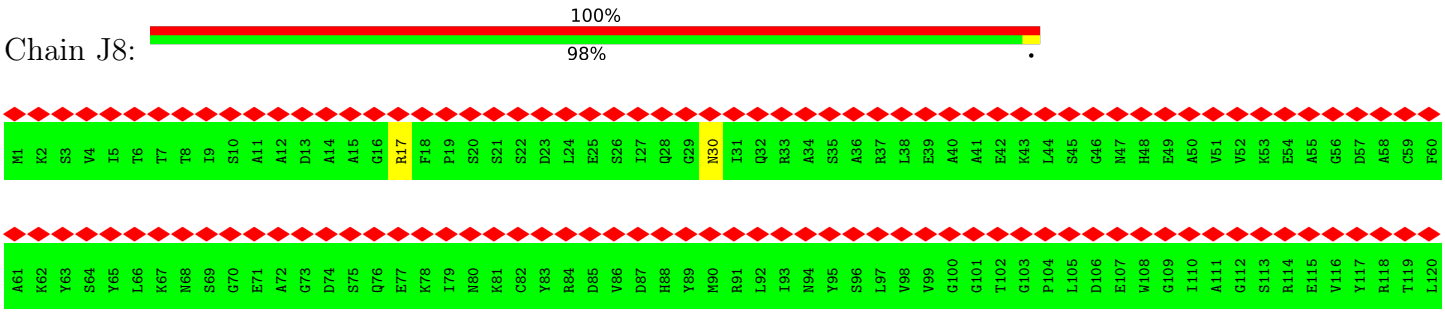
• Molecule 10: R-phycoerythrin alpha chain

Chain H8:



• Molecule 10: R-phycoerythrin alpha chain

Chain J8:



N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

• Molecule 10: R-phycoerythrin alpha chain

Chain L8:

M1 K2 S3 V4 I5 T6 T7 T8 I9 S10 A11 A12 D13 A14 A15 G16 R17 F18 P19 S20 S21 S22 D23 L24 E25 S26 I27 Q28 G29 N30 I31 Q32 R33 A34 S35 A36 R37 L38 E39 A40 A41 E42 K43 L44 S45 G46 N47 H48 E49 A50 V51 V52 K53 E54 A55 G56 D57 A58 C59 F60

A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

• Molecule 10: R-phycoerythrin alpha chain

Chain N8:

M1 K2 S3 V4 I5 T6 T7 T8 I9 S10 A11 A12 D13 A14 A15 G16 R17 F18 P19 S20 S21 S22 D23 L24 E25 S26 I27 Q28 G29 N30 I31 Q32 R33 A34 S35 A36 R37 L38 E39 A40 A41 E42 K43 L44 S45 G46 N47 H48 E49 A50 V51 V52 K53 E54 A55 G56 D57 A58 C59 F60

A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

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• Molecule 10: R-phycoerythrin alpha chain

Chain P8:

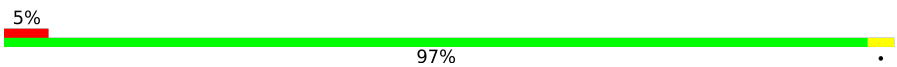
M1 K2 S3 V4 I5 T6 T7 T8 I9 S10 A11 A12 D13 A14 A15 G16 R17 F18 P19 S20 S21 S22 D23 L24 E25 S26 I27 Q28 G29 N30 I31 Q32 R33 A34 S35 A36 R37 L38 E39 A40 A41 E42 K43 L44 S45 G46 N47 H48 E49 A50 V51 V52 K53 E54 A55 G56 D57 A58 C59 F60

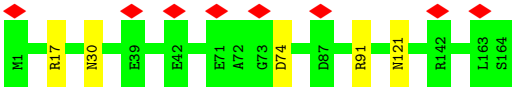
A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

• Molecule 10: R-phycoerythrin alpha chain

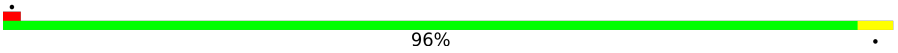
Chain m9:

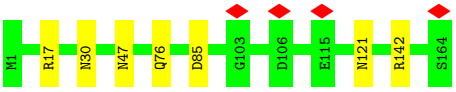




• Molecule 10: R-phycoerythrin alpha chain

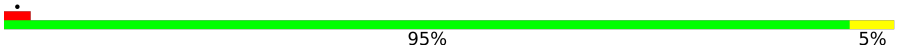
Chain o9:

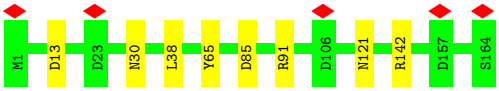




• Molecule 10: R-phycoerythrin alpha chain

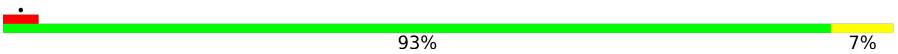
Chain q9:

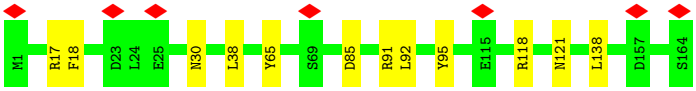




• Molecule 10: R-phycoerythrin alpha chain

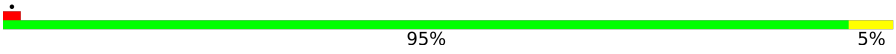
Chain s9:

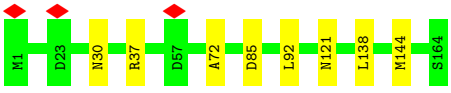




• Molecule 10: R-phycoerythrin alpha chain

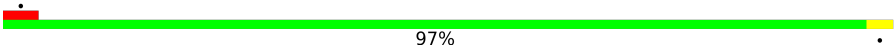
Chain u9:

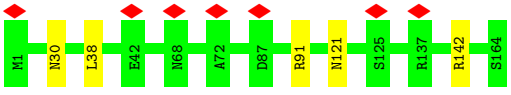




• Molecule 10: R-phycoerythrin alpha chain

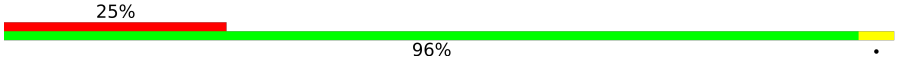
Chain w9:

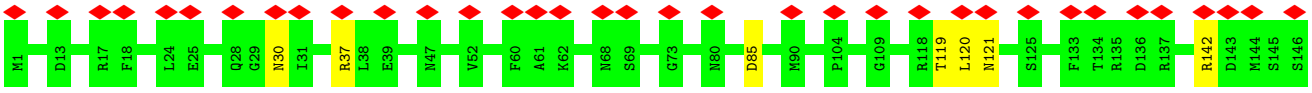


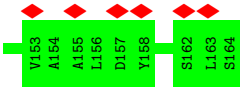


• Molecule 10: R-phycoerythrin alpha chain

Chain y9:

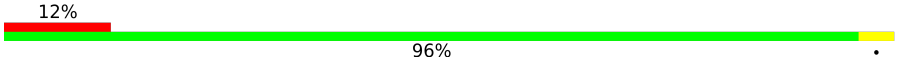


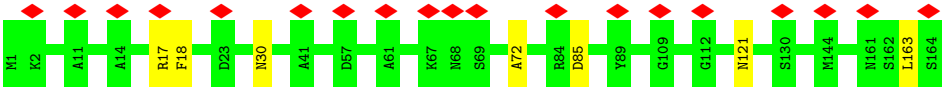




• Molecule 10: R-phycoerythrin alpha chain

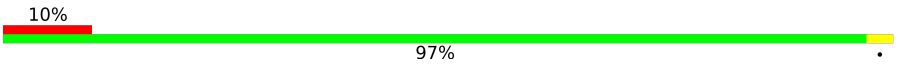
Chain A9:

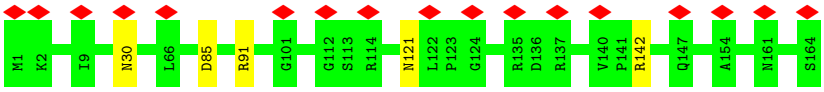




• Molecule 10: R-phycoerythrin alpha chain

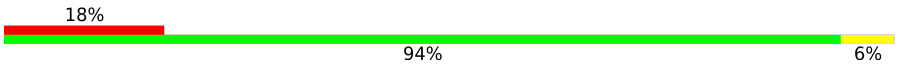
Chain C9:

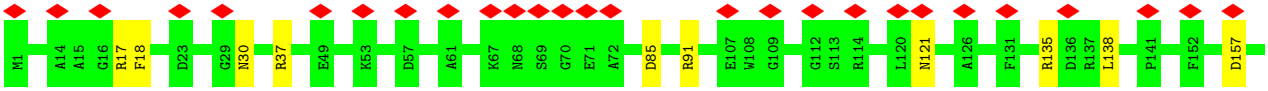




• Molecule 10: R-phycoerythrin alpha chain

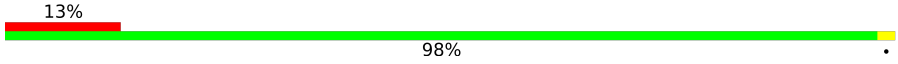
Chain E9:





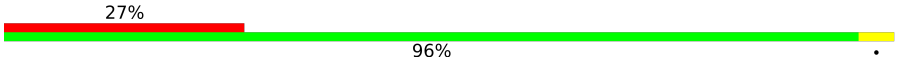
• Molecule 10: R-phycoerythrin alpha chain

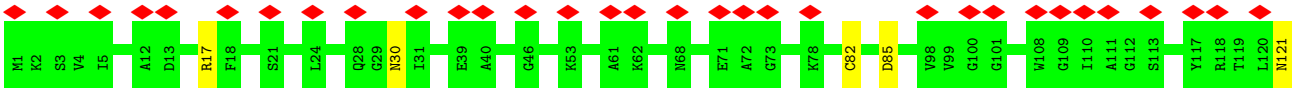
Chain G9:

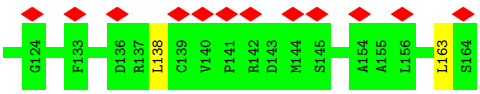


• Molecule 10: R-phycoerythrin alpha chain

Chain I9:

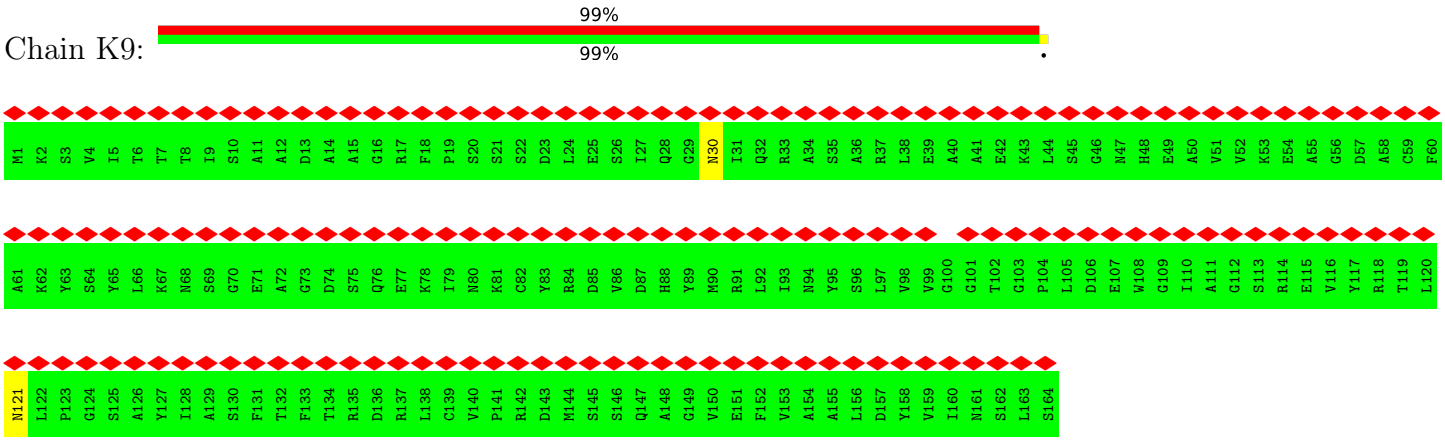






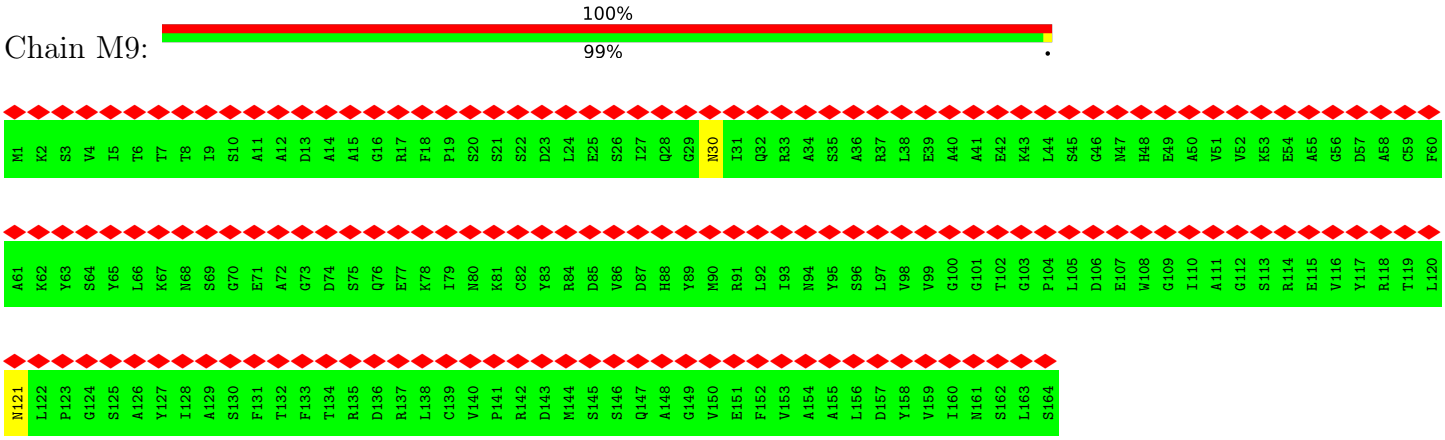
• Molecule 10: R-phycoerythrin alpha chain

Chain K9:



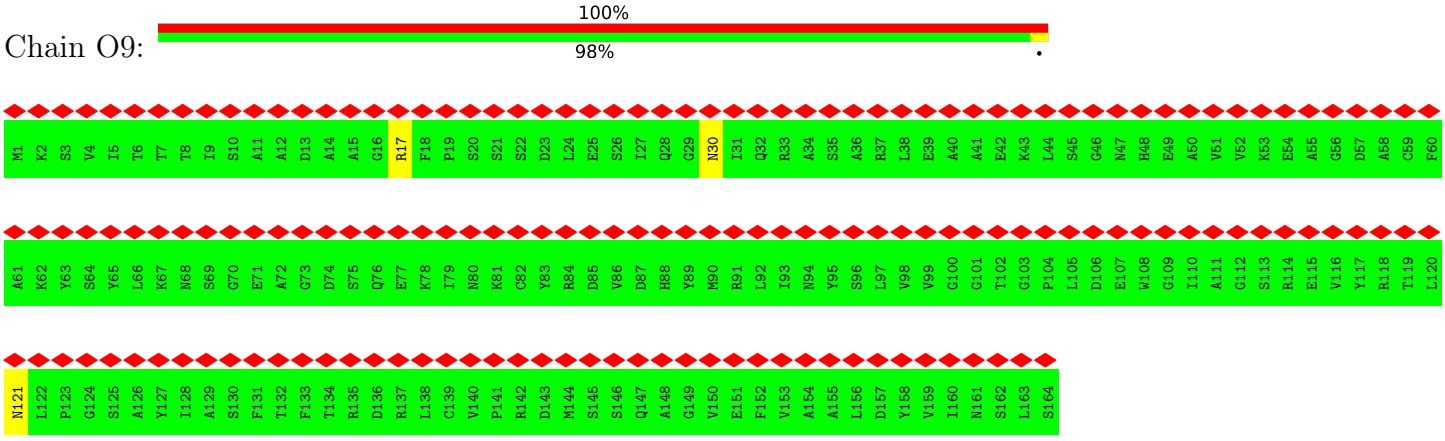
• Molecule 10: R-phycoerythrin alpha chain

Chain M9:



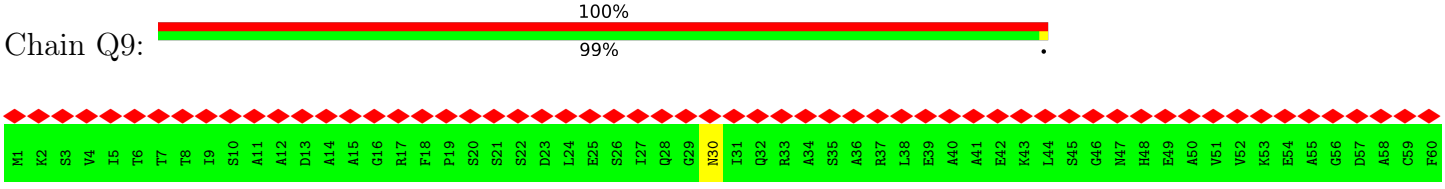
• Molecule 10: R-phycoerythrin alpha chain

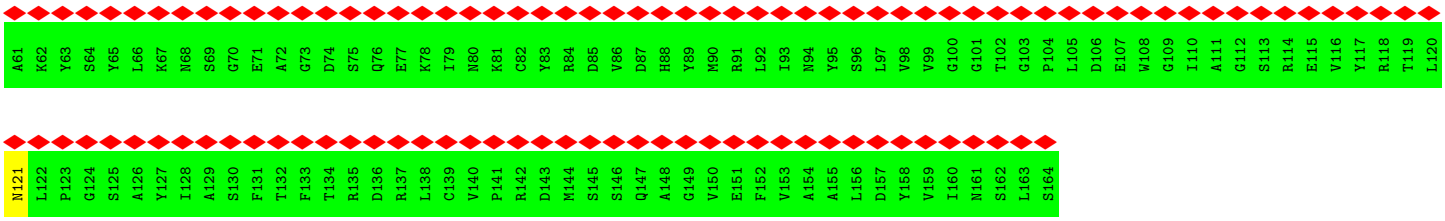
Chain O9:



• Molecule 10: R-phycoerythrin alpha chain

Chain Q9:





• Molecule 10: R-phycoerythrin alpha chain

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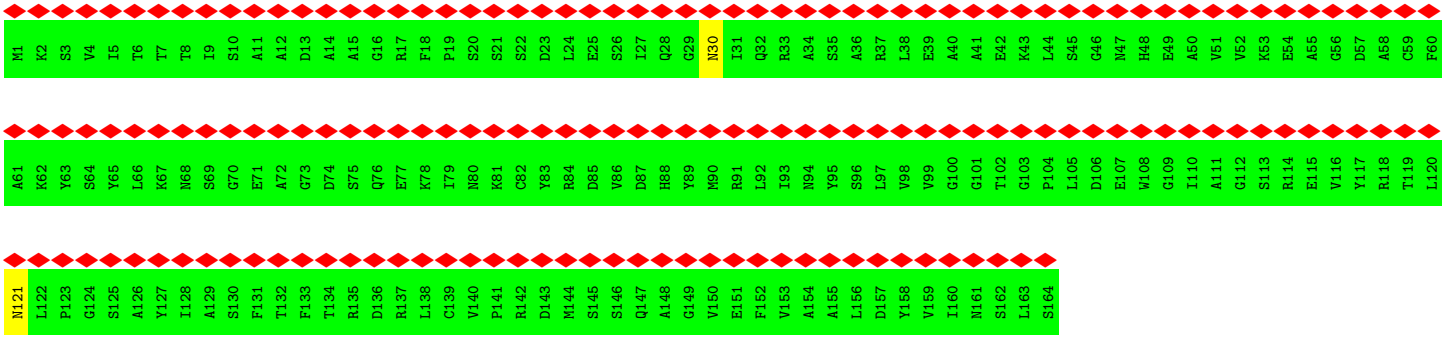

• Molecule 10: R-phycoerythrin alpha chain

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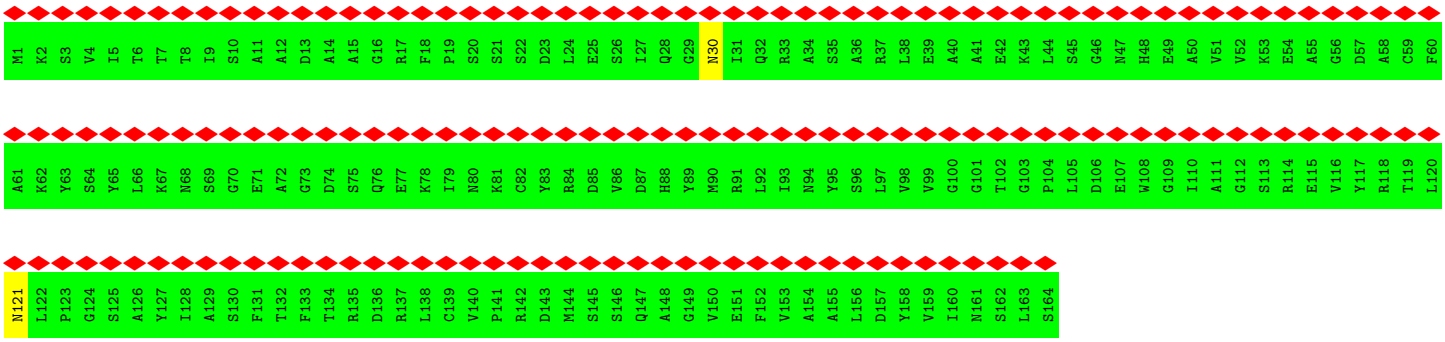
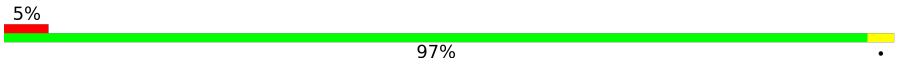
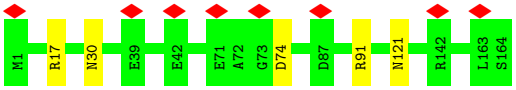


• Molecule 10: R-phycoerythrin alpha chain

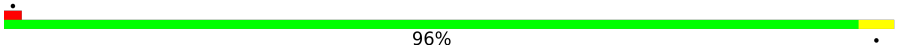
Chain am:

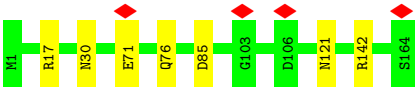




• Molecule 10: R-phycoerythrin alpha chain

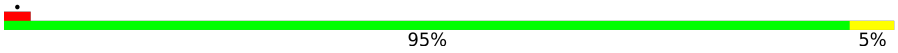
Chain ao:

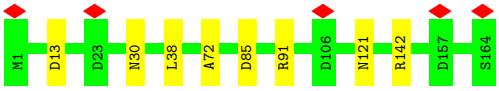




• Molecule 10: R-phycoerythrin alpha chain

Chain aq:





• Molecule 10: R-phycoerythrin alpha chain

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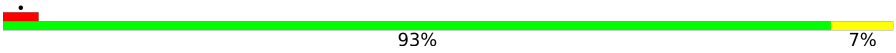

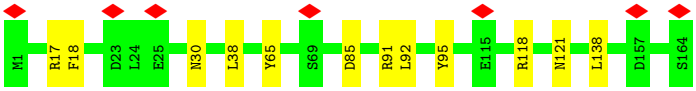

• Molecule 10: R-phycoerythrin alpha chain

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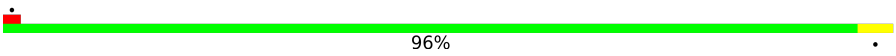
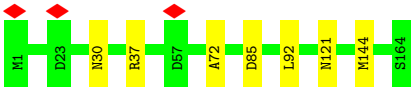
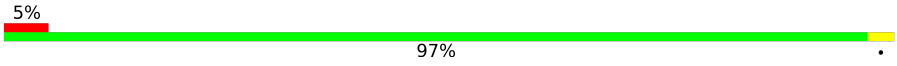
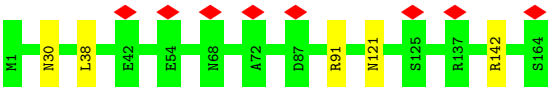




• Molecule 10: R-phycoerythrin alpha chain

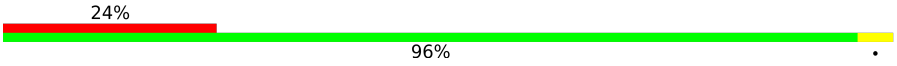
Chain aw:

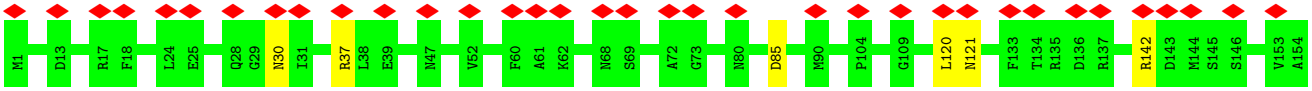


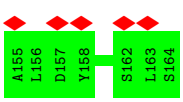


• Molecule 10: R-phycoerythrin alpha chain

Chain ay:

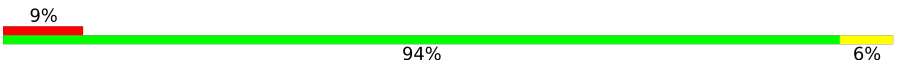


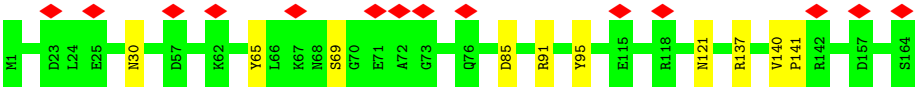




• Molecule 10: R-phycoerythrin alpha chain

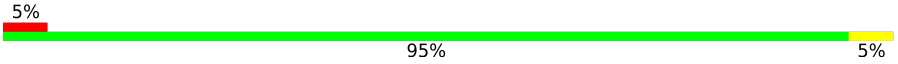
Chain aA:

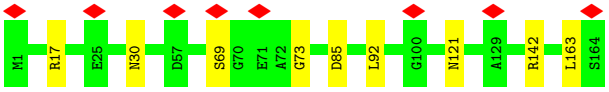




• Molecule 10: R-phycoerythrin alpha chain

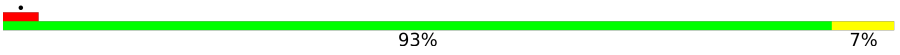
Chain aC:

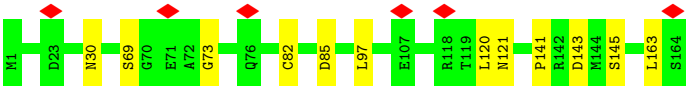




• Molecule 10: R-phycoerythrin alpha chain

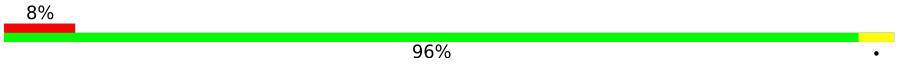
Chain aE:

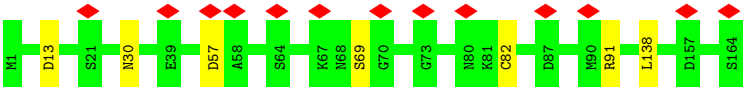




• Molecule 10: R-phycoerythrin alpha chain

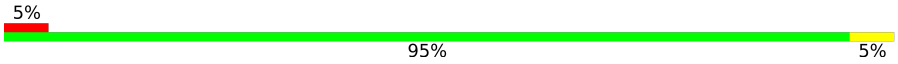
Chain aG:

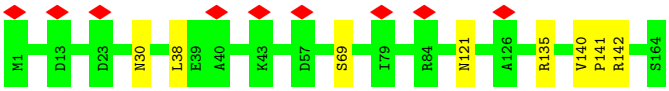




• Molecule 10: R-phycoerythrin alpha chain

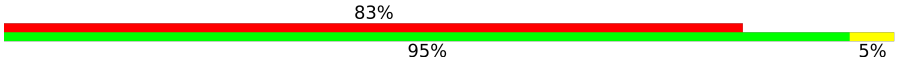
Chain aI:

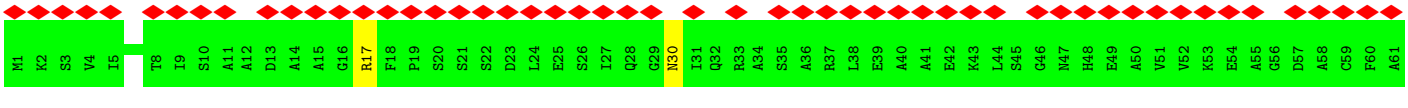




• Molecule 10: R-phycoerythrin alpha chain

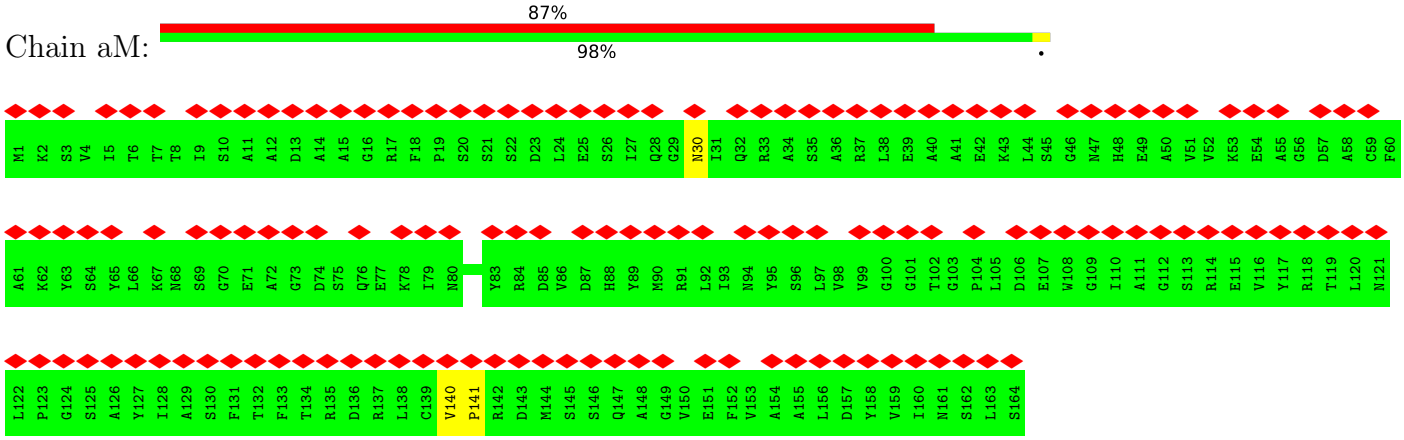
Chain aK:





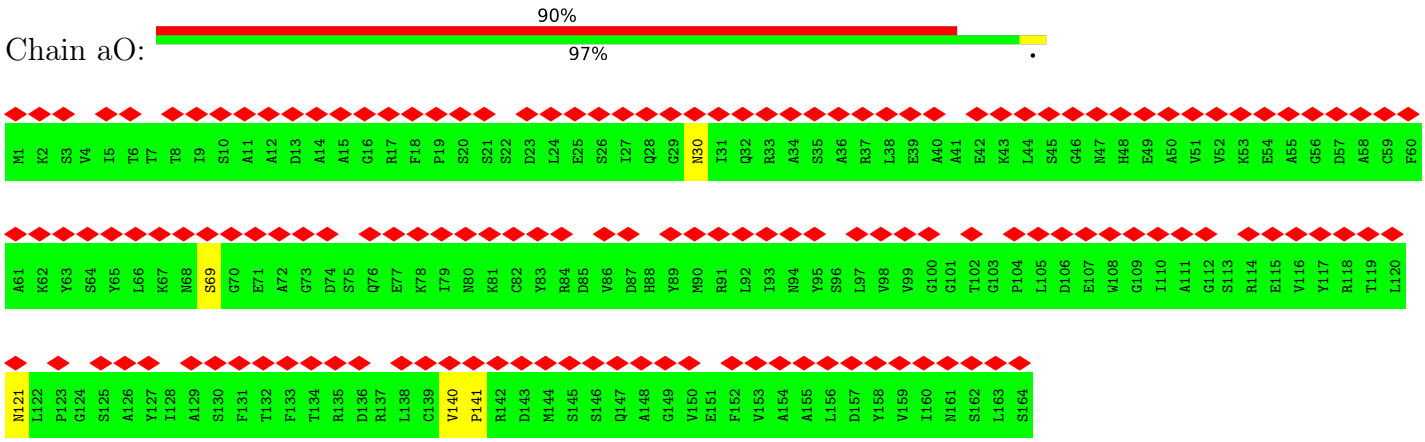
• Molecule 10: R-phycoerythrin alpha chain

Chain aM:



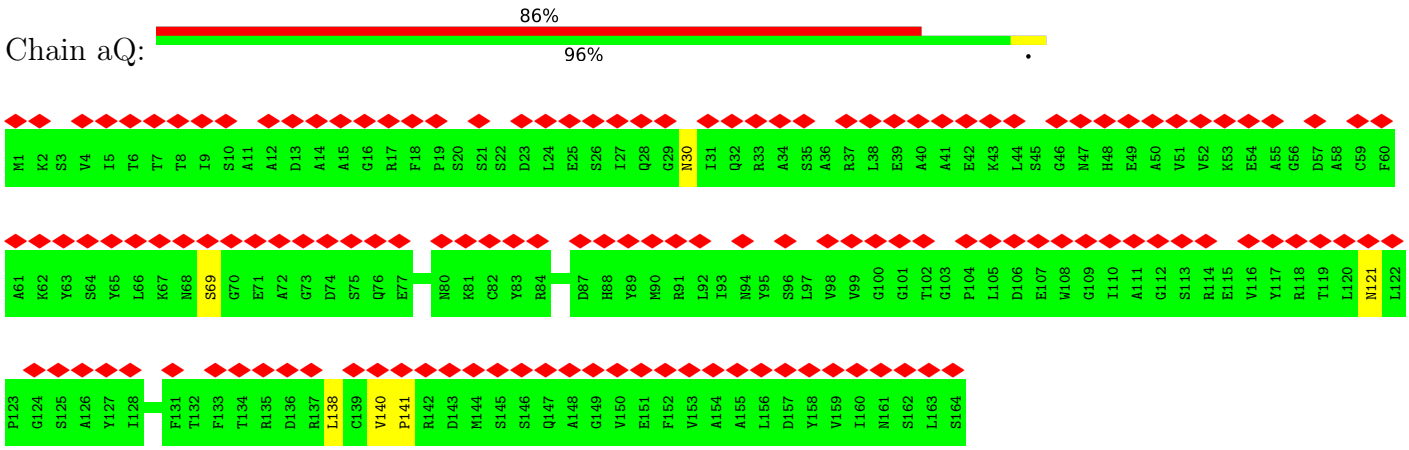
• Molecule 10: R-phycoerythrin alpha chain

Chain aO:



• Molecule 10: R-phycoerythrin alpha chain

Chain aQ:



• Molecule 10: R-phycoerythrin alpha chain

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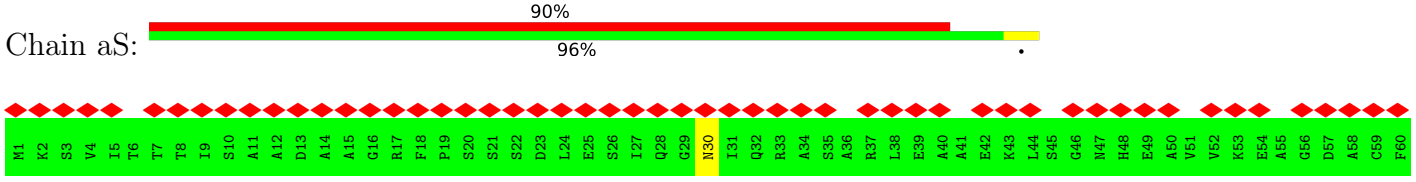
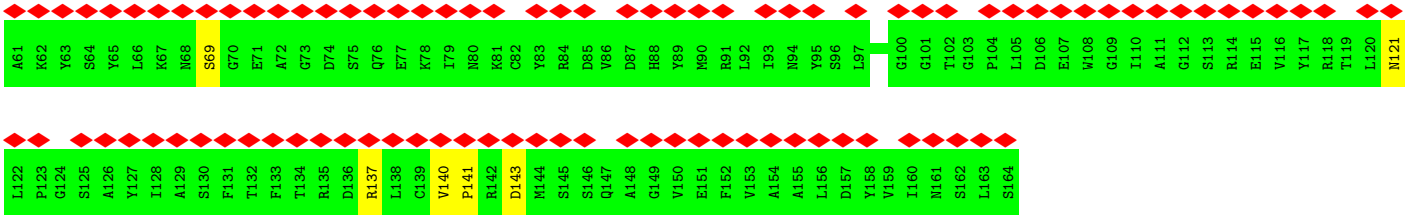
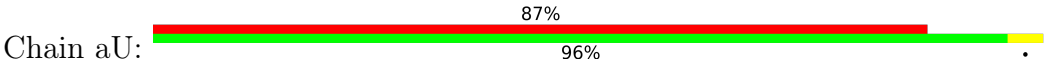
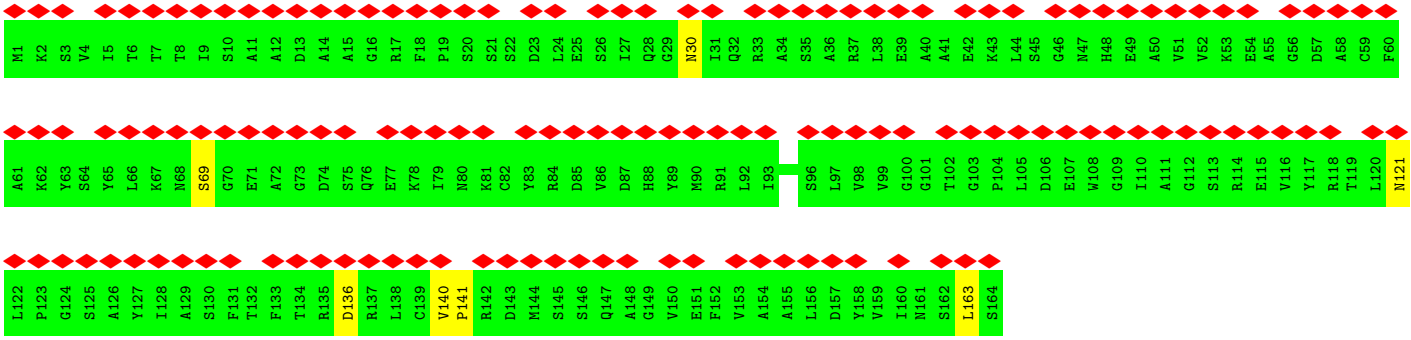


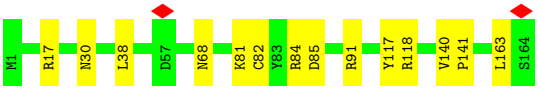


• Molecule 10: R-phycoerythrin alpha chain

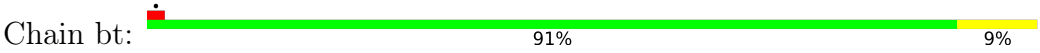




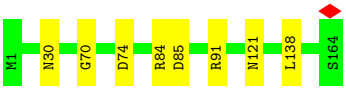
• Molecule 10: R-phycoerythrin alpha chain



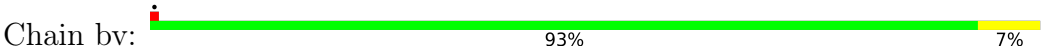
• Molecule 10: R-phycoerythrin alpha chain

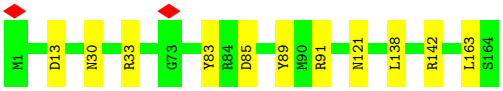


• Molecule 10: R-phycoerythrin alpha chain



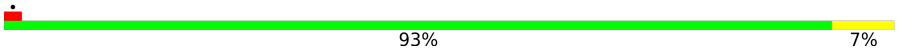
• Molecule 10: R-phycoerythrin alpha chain

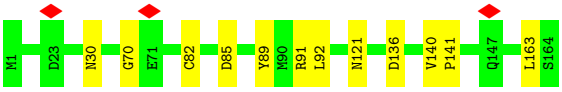




• Molecule 10: R-phycoerythrin alpha chain

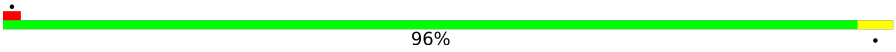
Chain bw:

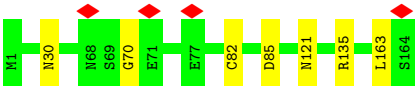




• Molecule 10: R-phycoerythrin alpha chain

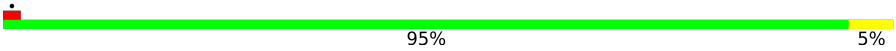
Chain bx:

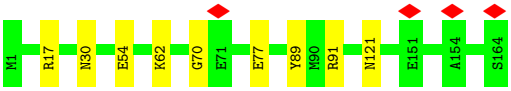




• Molecule 10: R-phycoerythrin alpha chain

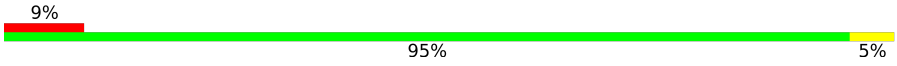
Chain by:

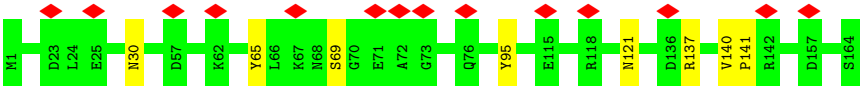




• Molecule 10: R-phycoerythrin alpha chain

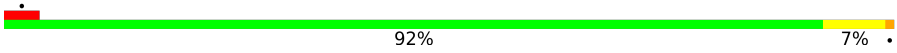
Chain bA:

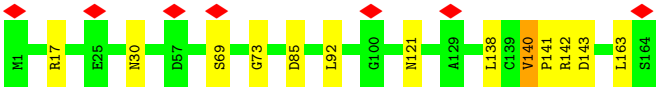




• Molecule 10: R-phycoerythrin alpha chain

Chain bC:





• Molecule 10: R-phycoerythrin alpha chain

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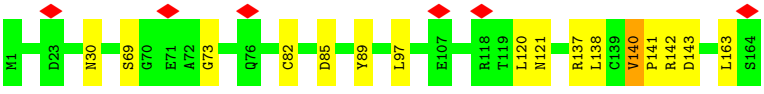
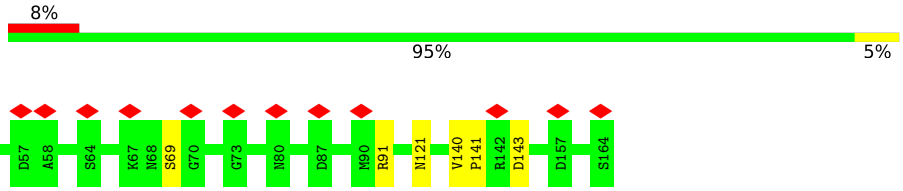


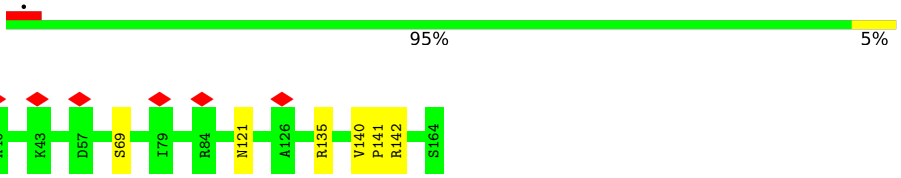
• Molecule 10: R-phycoerythrin alpha chain

Chain bG:



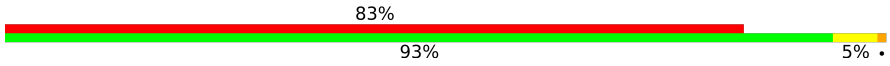
• Molecule 10: R-phycoerythrin alpha chain

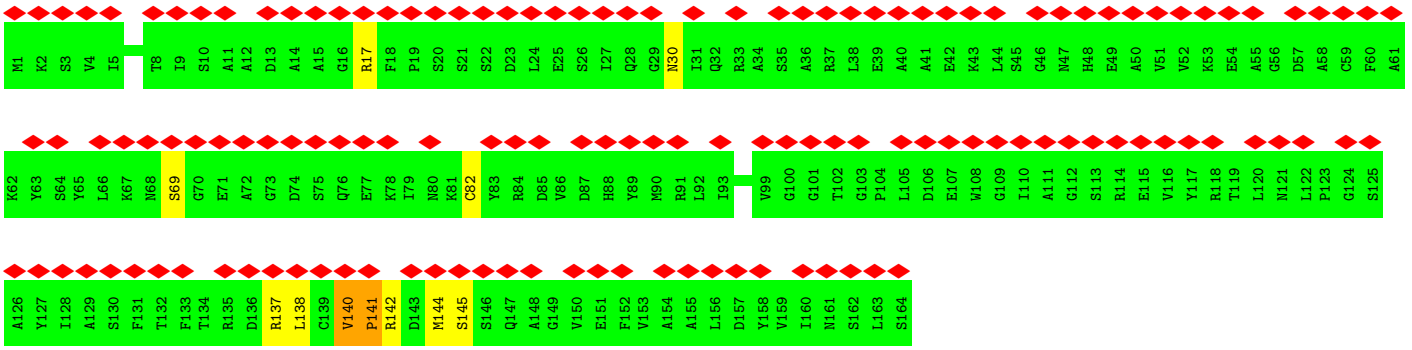
Chain bI:



• Molecule 10: R-phycoerythrin alpha chain

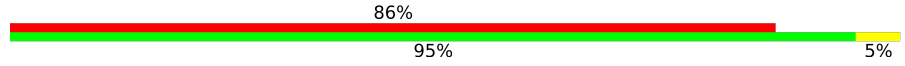
Chain bK:

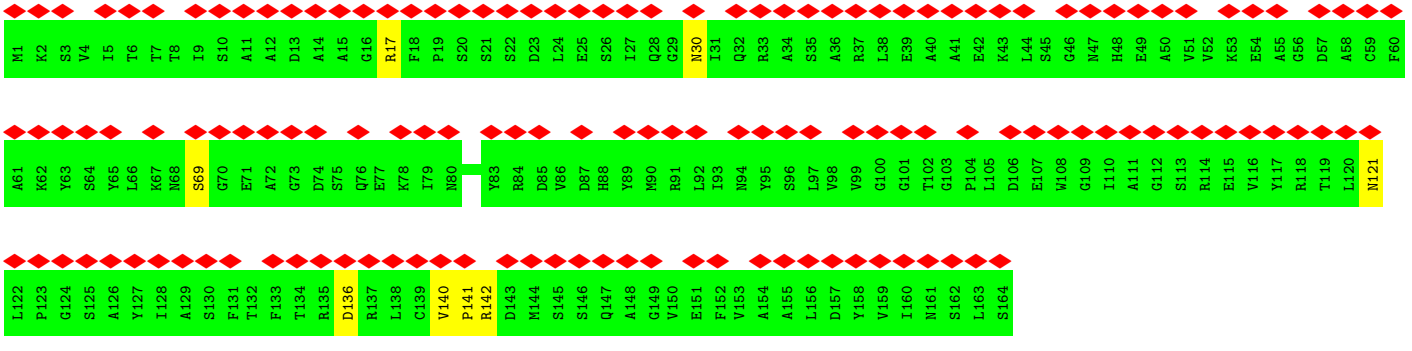




• Molecule 10: R-phycoerythrin alpha chain

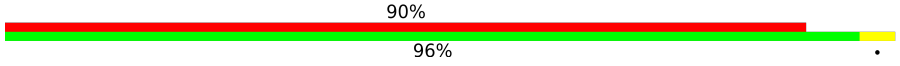
Chain bM:

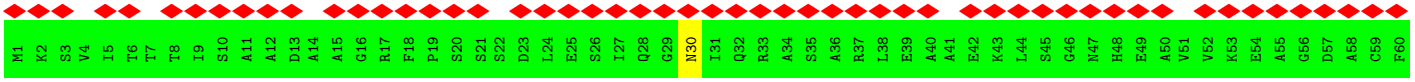


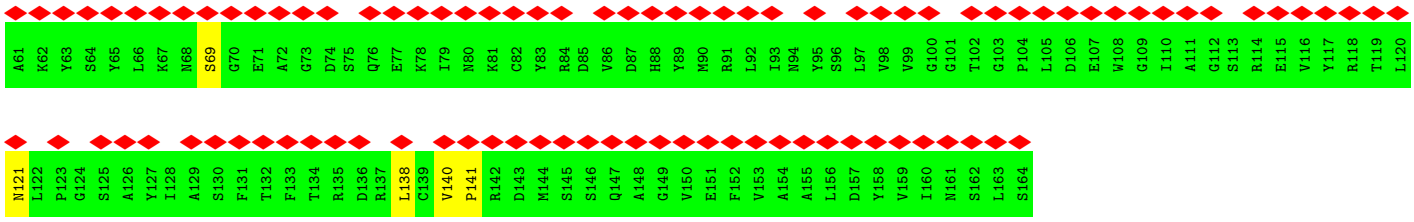


• Molecule 10: R-phycoerythrin alpha chain

Chain bO:

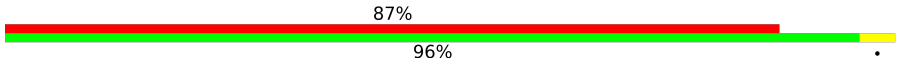


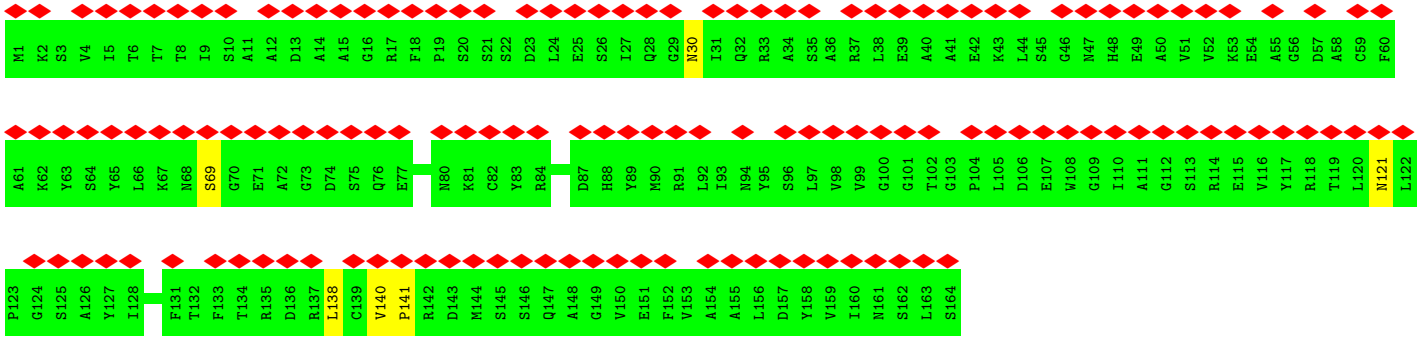




• Molecule 10: R-phycoerythrin alpha chain

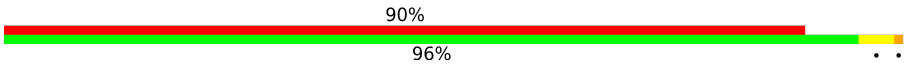
Chain bQ:

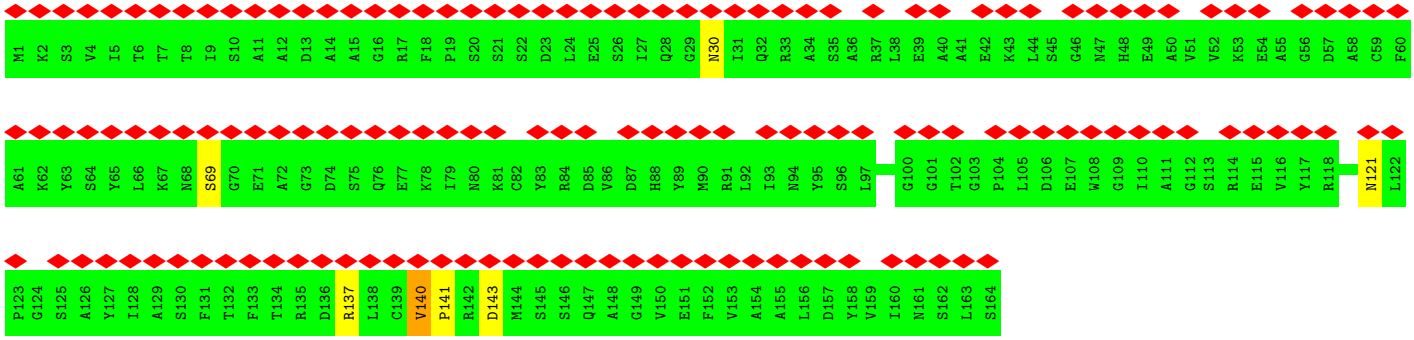




• Molecule 10: R-phycoerythrin alpha chain

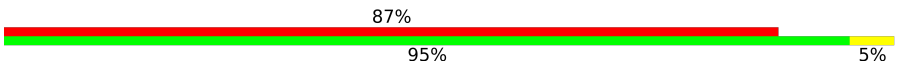
Chain bS:

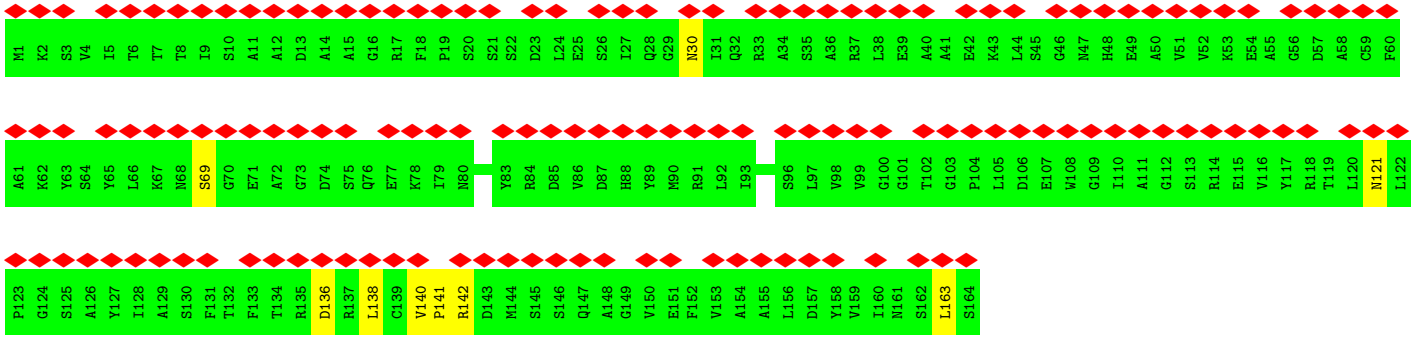




• Molecule 10: R-phycoerythrin alpha chain

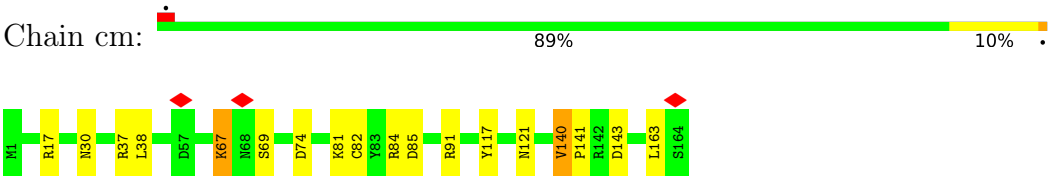
Chain bU:





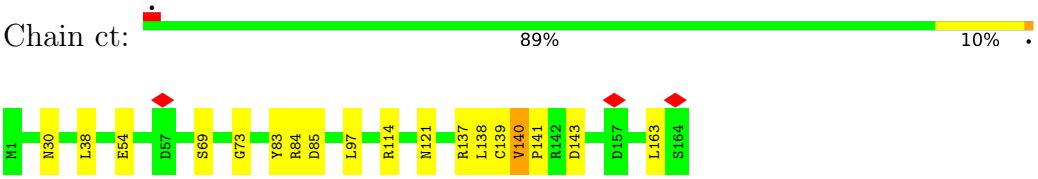
• Molecule 10: R-phycoerythrin alpha chain

Chain cm:



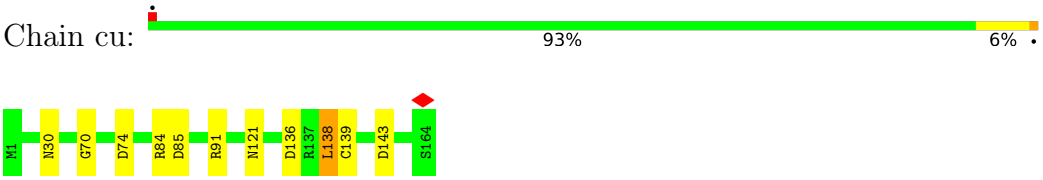
• Molecule 10: R-phycoerythrin alpha chain

Chain ct:



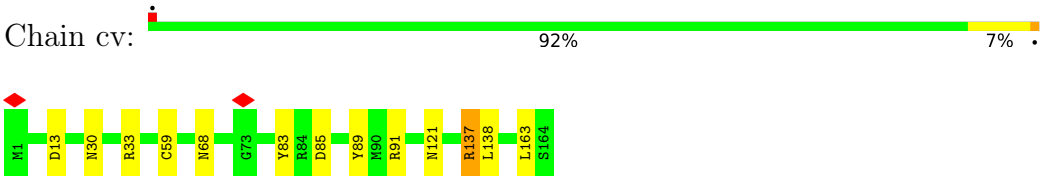
• Molecule 10: R-phycoerythrin alpha chain

Chain cu:



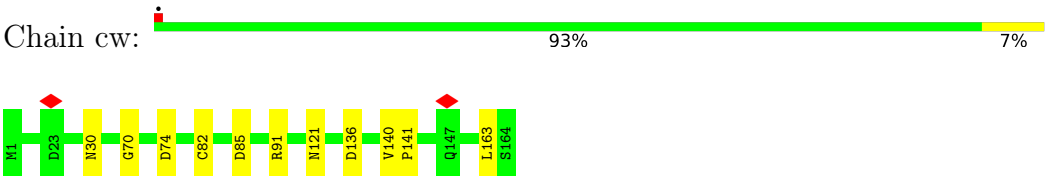
• Molecule 10: R-phycoerythrin alpha chain

Chain cv:



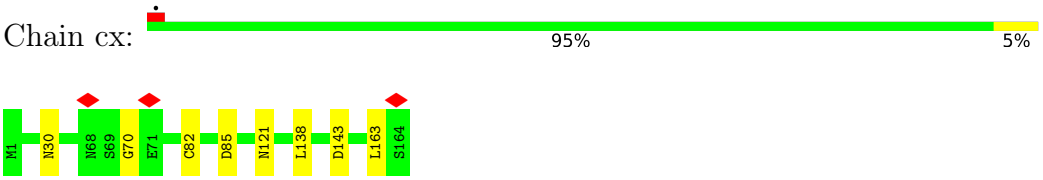
• Molecule 10: R-phycoerythrin alpha chain

Chain cw:



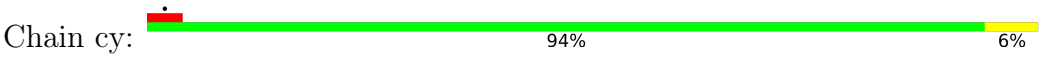
• Molecule 10: R-phycoerythrin alpha chain

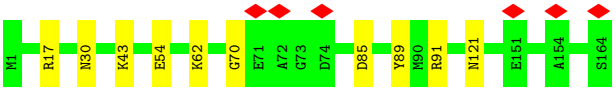
Chain cx:



• Molecule 10: R-phycoerythrin alpha chain

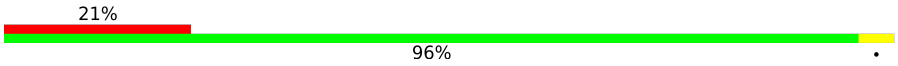
Chain cy:

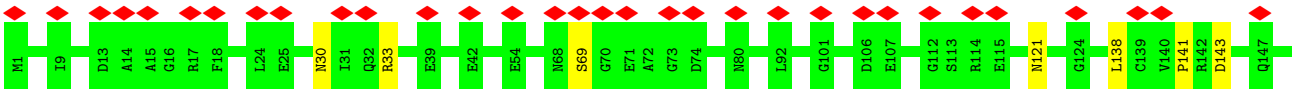




• Molecule 10: R-phycoerythrin alpha chain

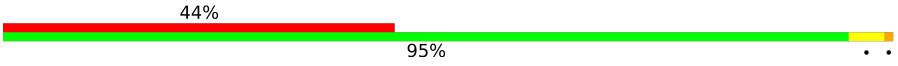
Chain cA:

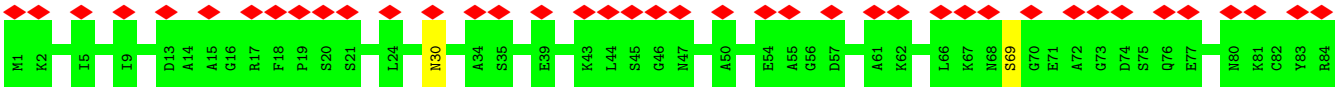


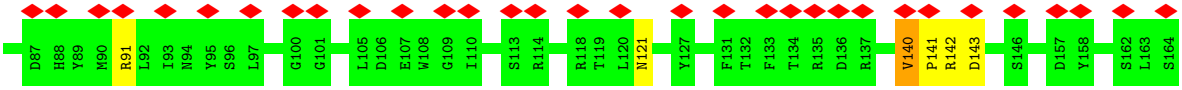


• Molecule 10: R-phycoerythrin alpha chain

Chain cC:

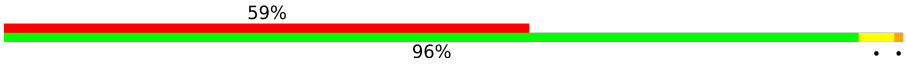


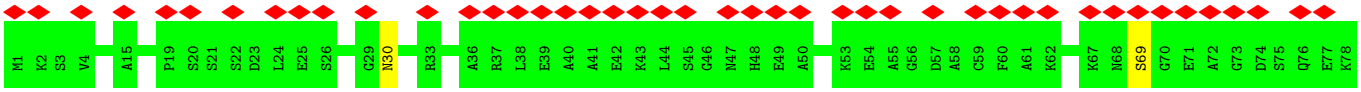


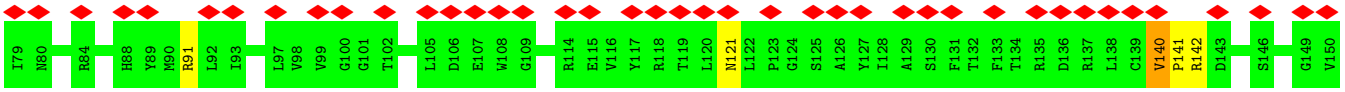


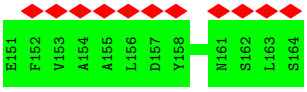
• Molecule 10: R-phycoerythrin alpha chain

Chain cD:









• Molecule 10: R-phycoerythrin alpha chain

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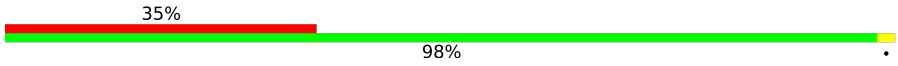
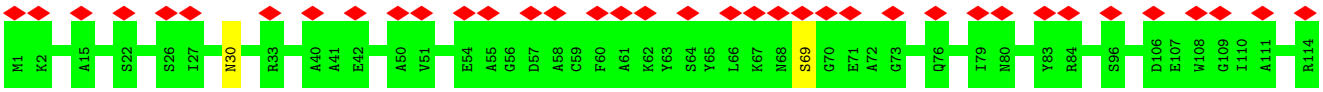
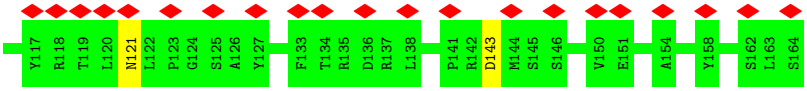
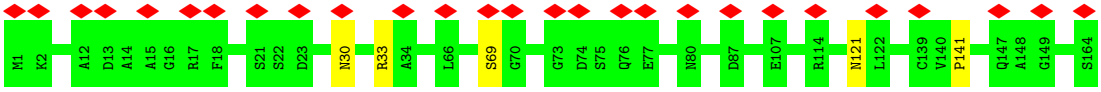






• Molecule 10: R-phycoerythrin alpha chain



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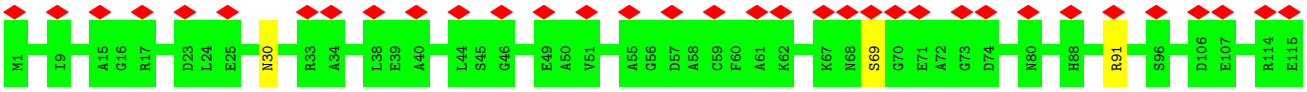
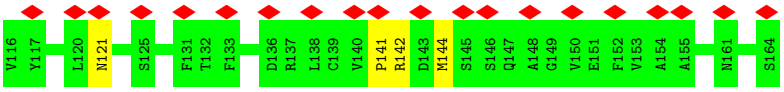
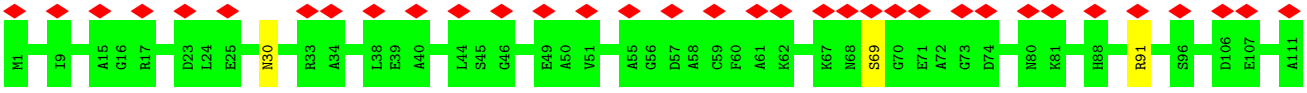
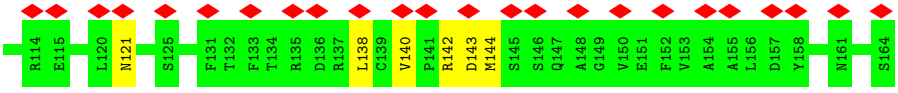


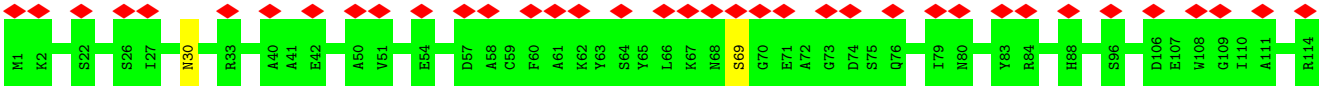


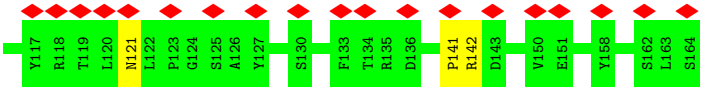
• Molecule 10: R-phycoerythrin alpha chain





• Molecule 10: R-phycoerythrin alpha chain





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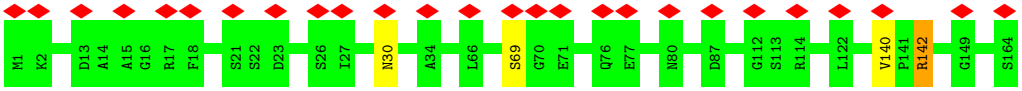

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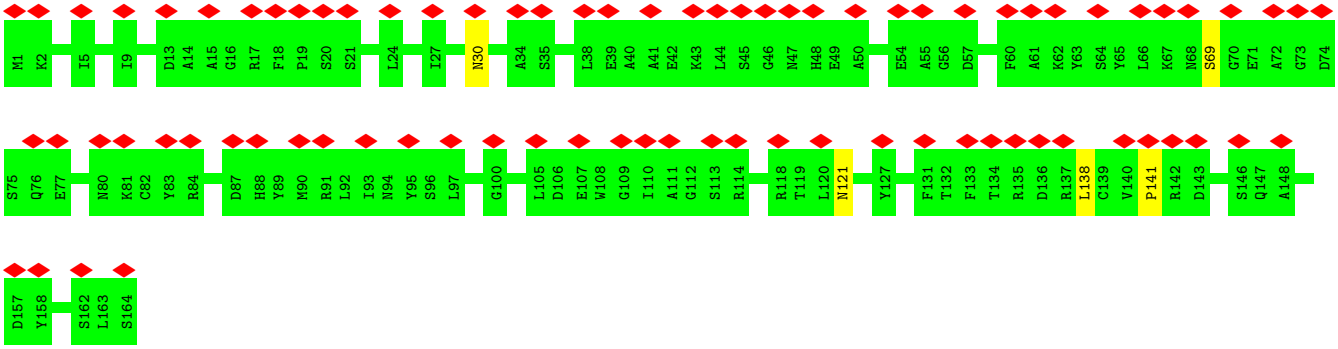
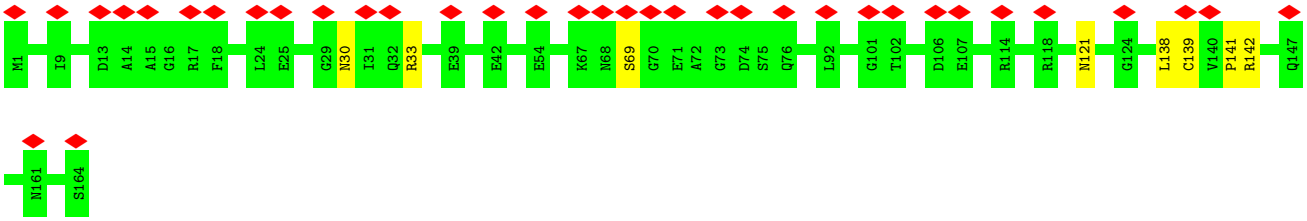
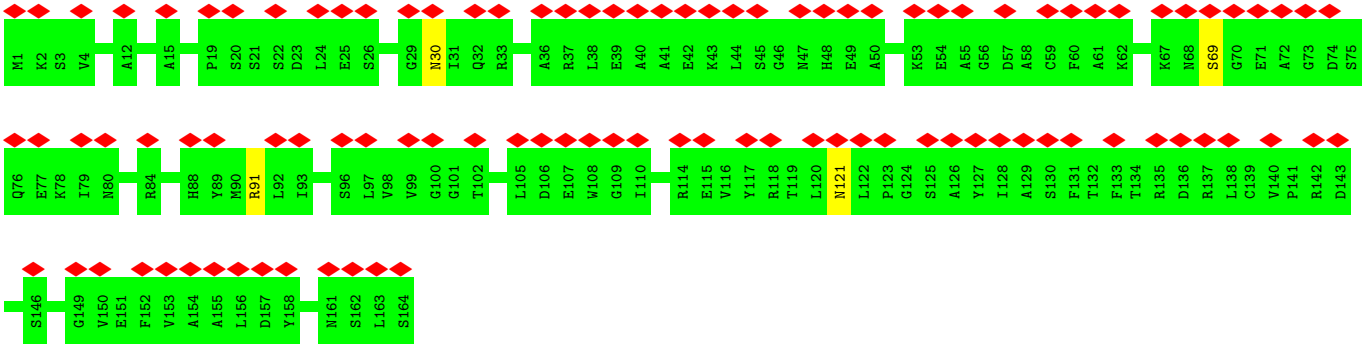


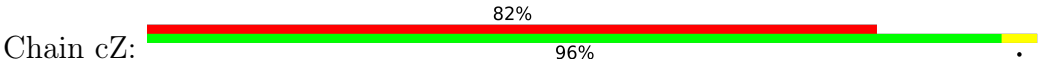
• Molecule 10: R-phycoerythrin alpha chain

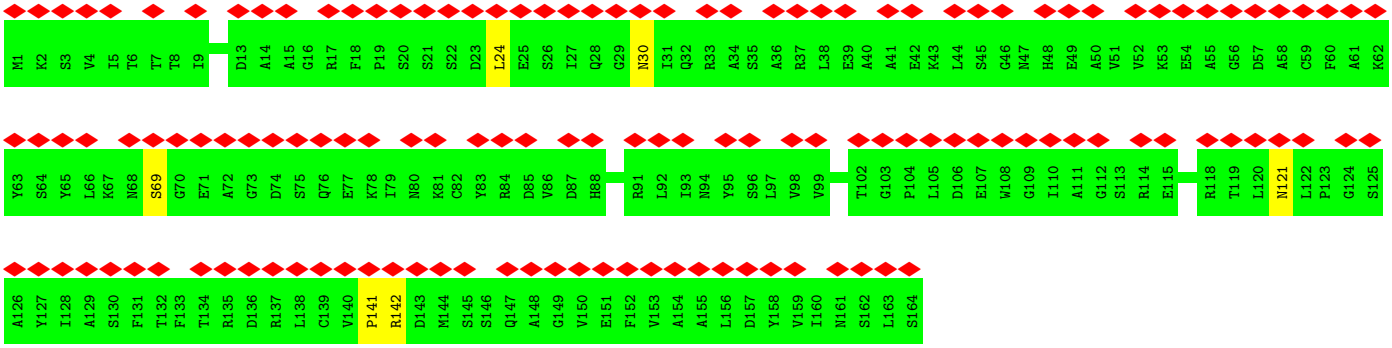


• Molecule 10: R-phycoerythrin alpha chain



• Molecule 10: R-phycoerythrin alpha chain





• Molecule 10: R-phycoerythrin alpha chain

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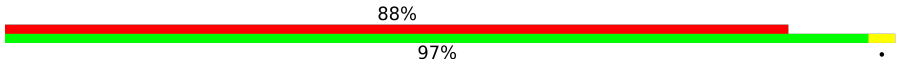

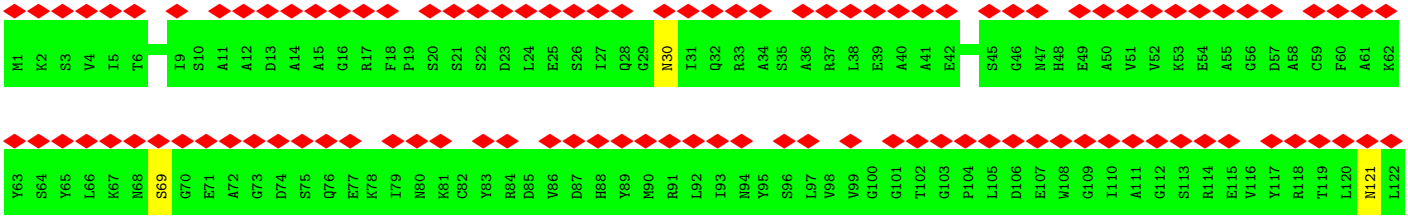

• Molecule 10: R-phycoerythrin alpha chain

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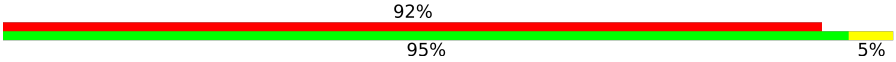

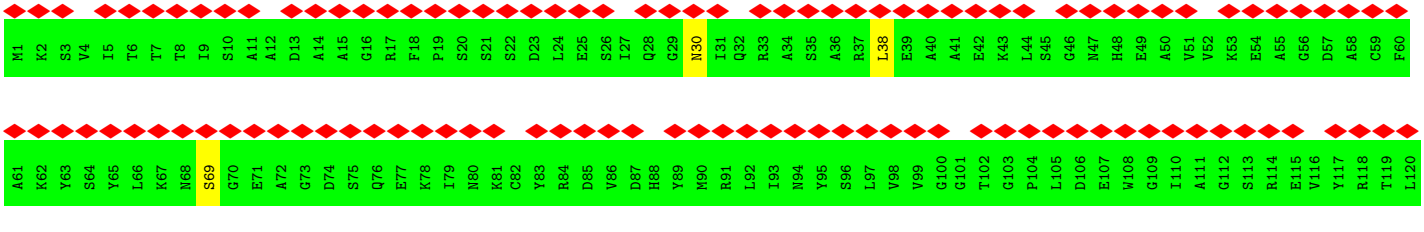

• Molecule 10: R-phycoerythrin alpha chain

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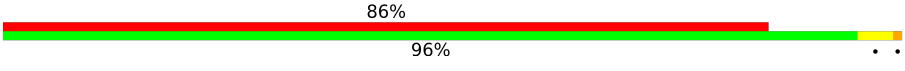

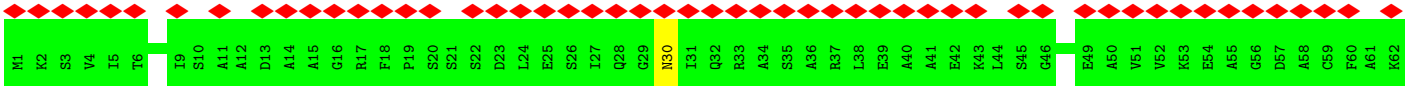

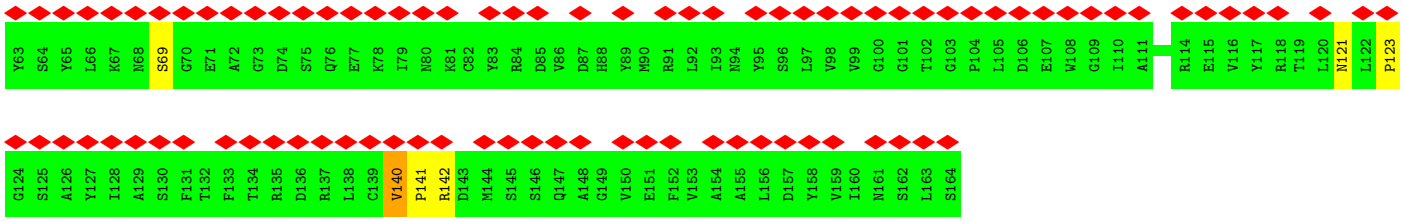

• Molecule 10: R-phycoerythrin alpha chain

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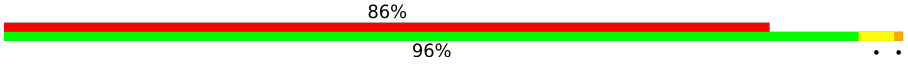

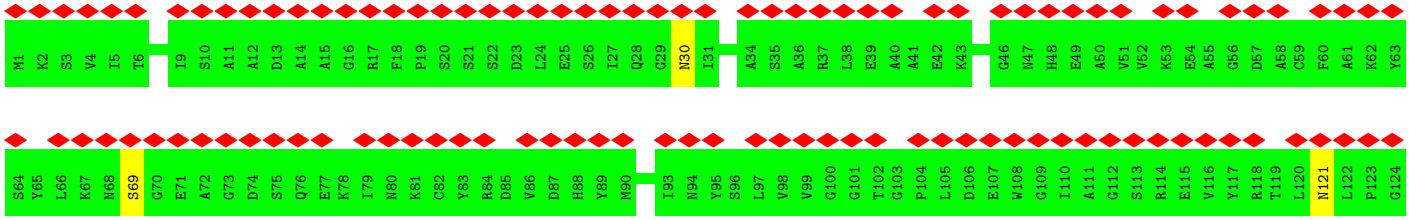

• Molecule 10: R-phycoerythrin alpha chain

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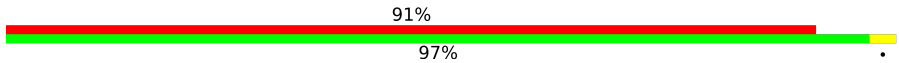

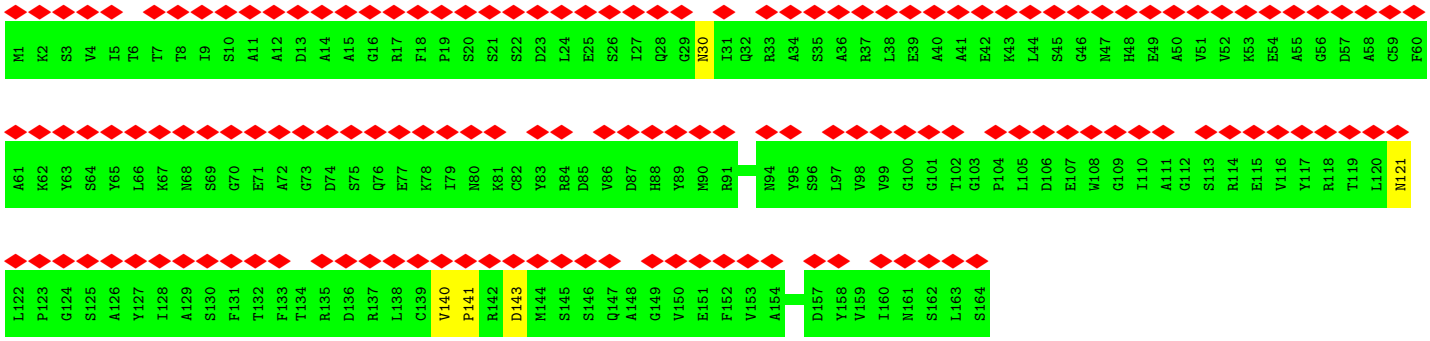

• Molecule 10: R-phycoerythrin alpha chain

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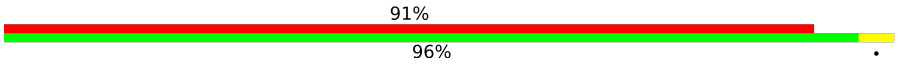

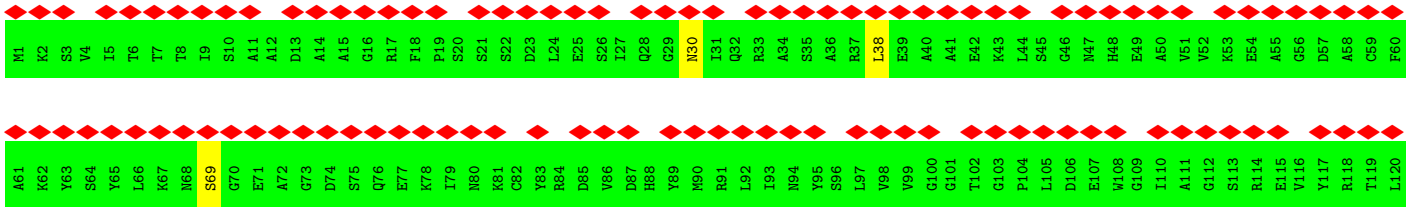

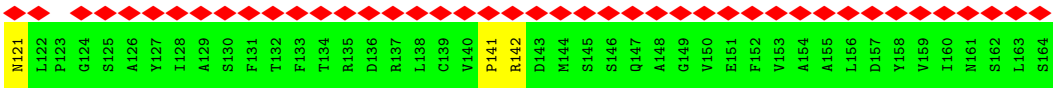

• Molecule 10: R-phycoerythrin alpha chain

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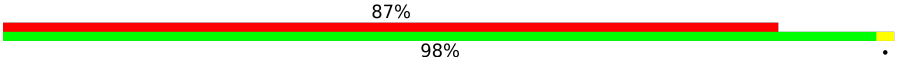
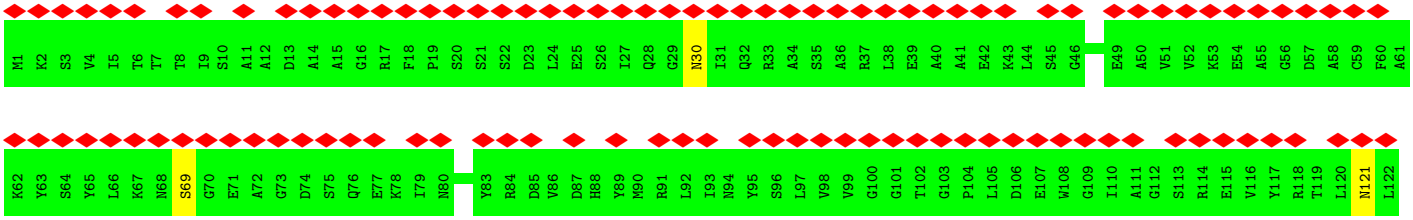
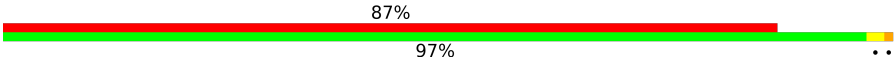
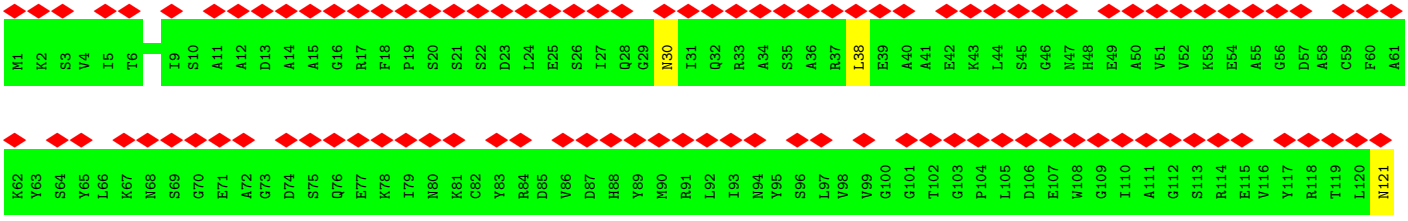




• Molecule 10: R-phycoerythrin alpha chain

Chain do:





• Molecule 10: R-phycoerythrin alpha chain

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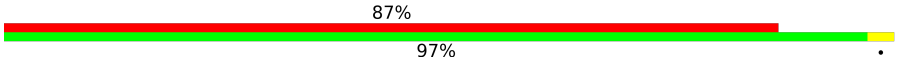

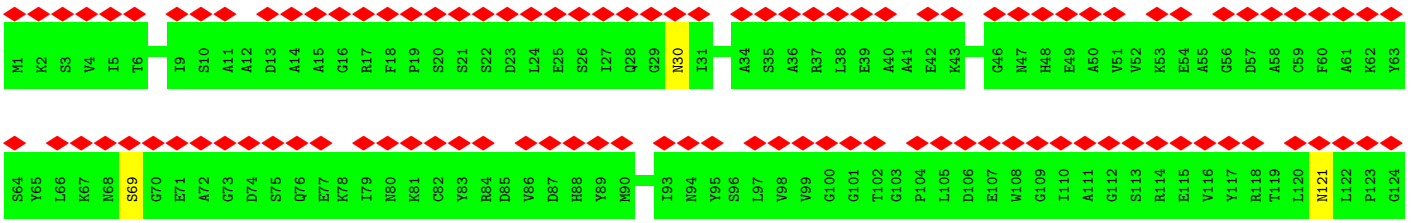

• Molecule 10: R-phycoerythrin alpha chain

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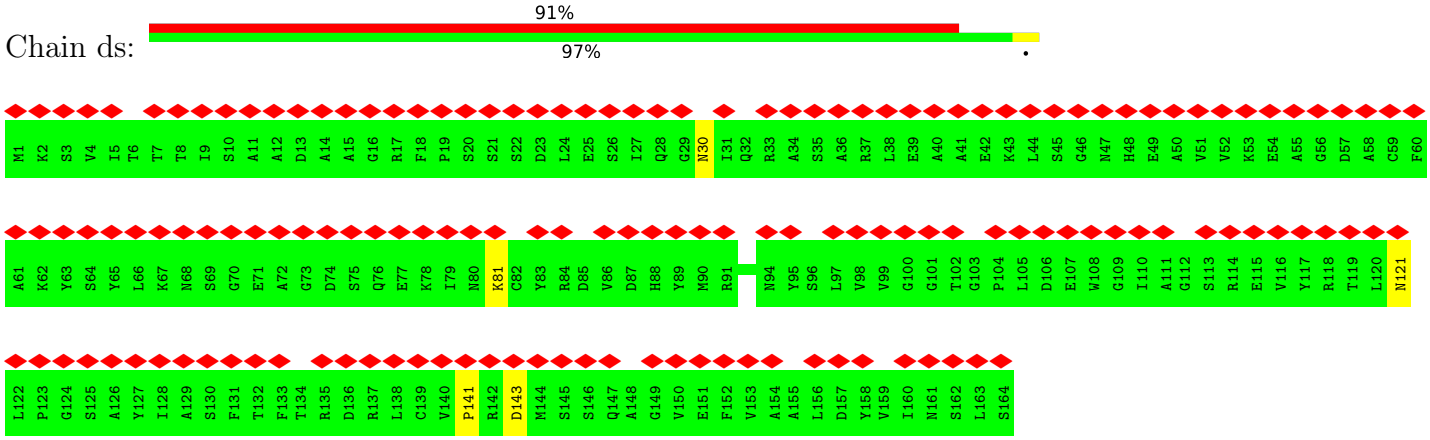

• Molecule 10: R-phycoerythrin alpha chain

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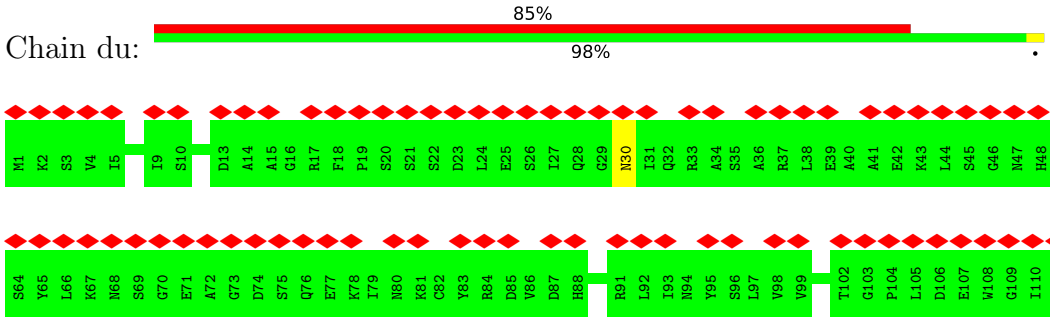

• Molecule 10: R-phycoerythrin alpha chain

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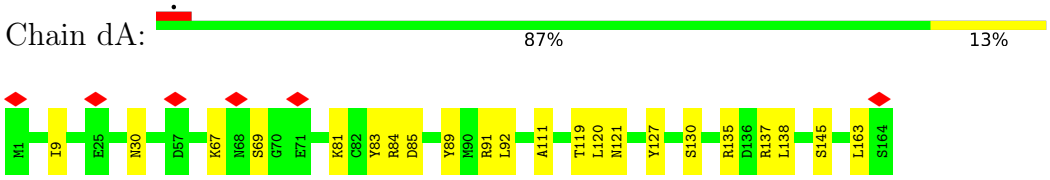

• Molecule 10: R-phycoerythrin alpha chain

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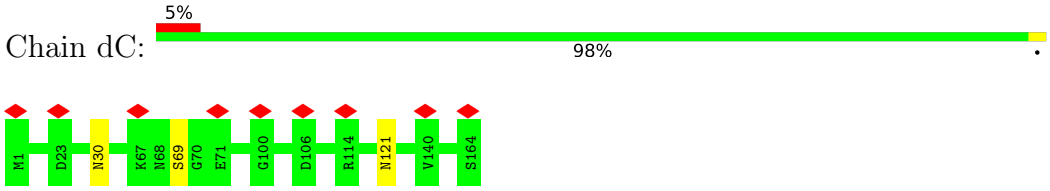

• Molecule 10: R-phycoerythrin alpha chain

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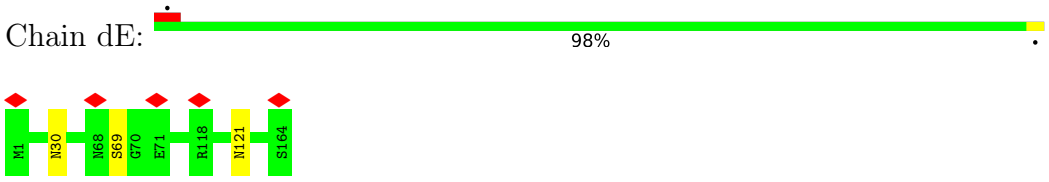

• Molecule 10: R-phycoerythrin alpha chain

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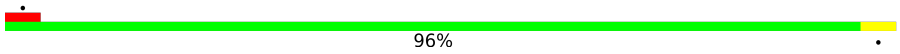

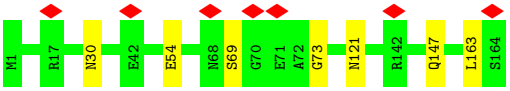

• Molecule 10: R-phycoerythrin alpha chain

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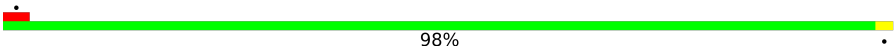

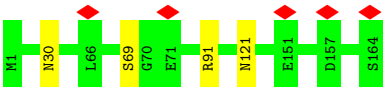

• Molecule 10: R-phycoerythrin alpha chain

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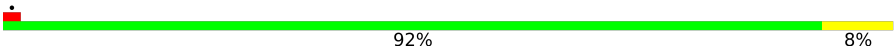

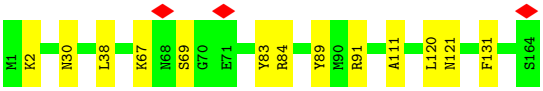

• Molecule 10: R-phycoerythrin alpha chain

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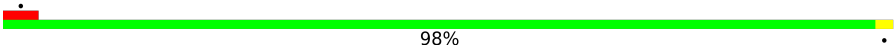

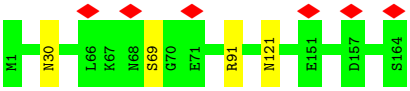

• Molecule 10: R-phycoerythrin alpha chain

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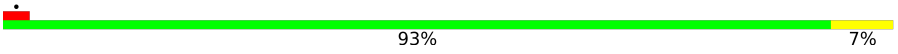

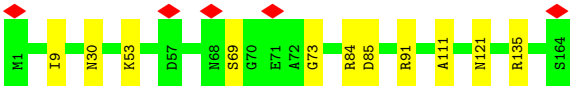

• Molecule 10: R-phycoerythrin alpha chain

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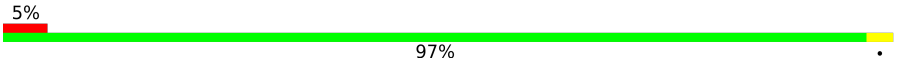
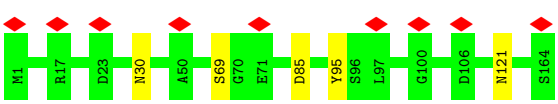
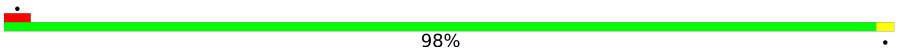
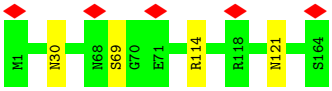




• Molecule 10: R-phycoerythrin alpha chain

Chain dS:





• Molecule 10: R-phycoerythrin alpha chain

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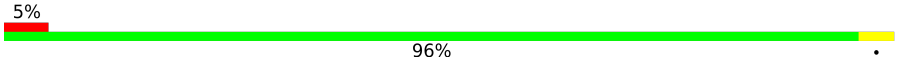
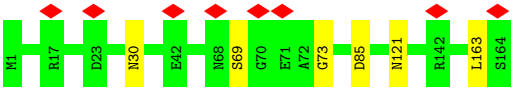
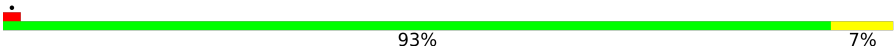
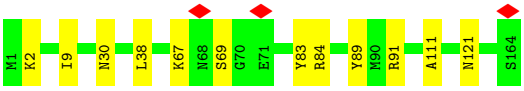




• Molecule 10: R-phycoerythrin alpha chain

Chain dW:





• Molecule 10: R-phycoerythrin alpha chain

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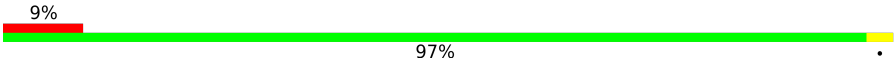
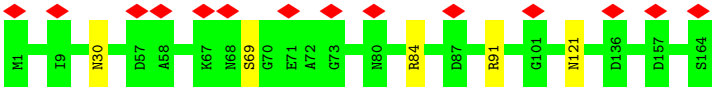
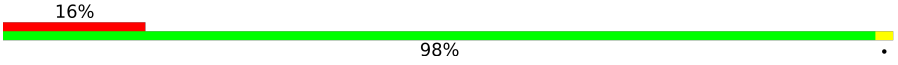
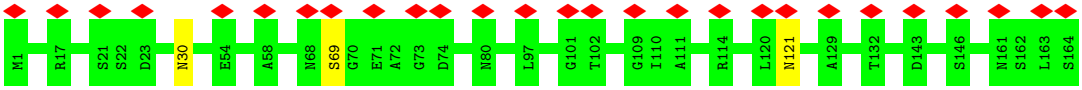




• Molecule 10: R-phycoerythrin alpha chain

Chain ea:





• Molecule 10: R-phycoerythrin alpha chain

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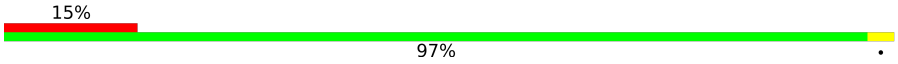
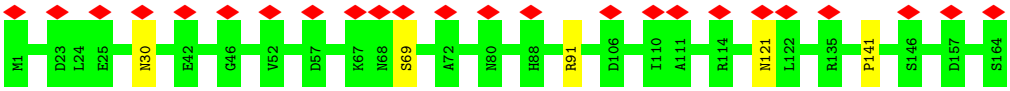
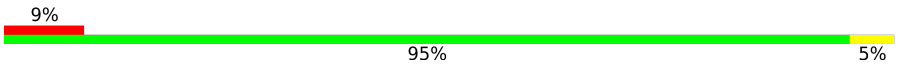
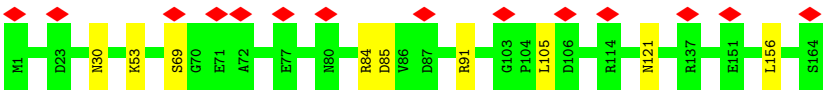




• Molecule 10: R-phycoerythrin alpha chain

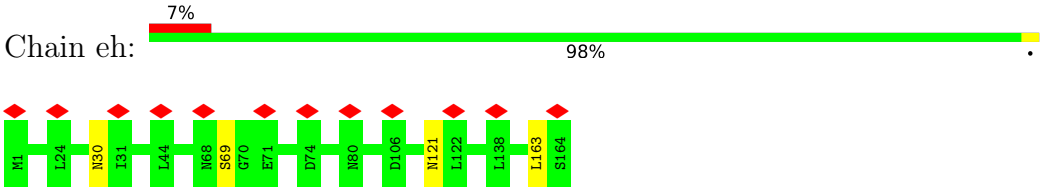
Chain ef:





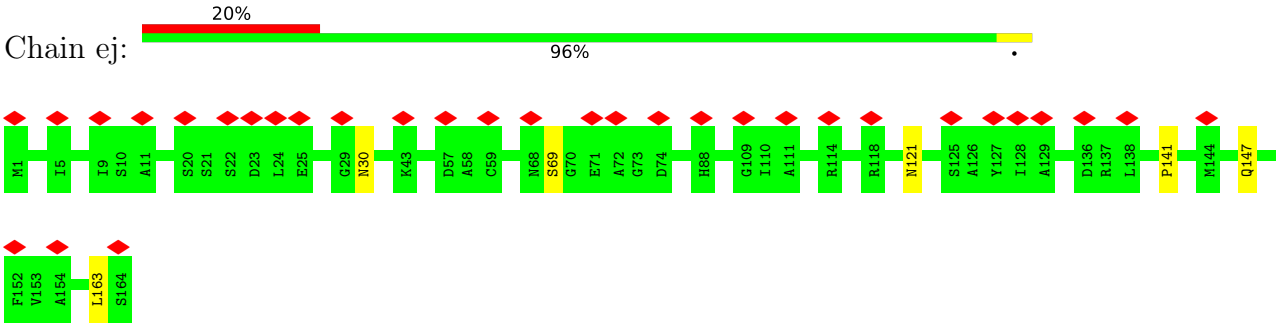
• Molecule 10: R-phycoerythrin alpha chain

Chain eh:



• Molecule 10: R-phycoerythrin alpha chain

Chain ej:



• Molecule 10: R-phycoerythrin alpha chain

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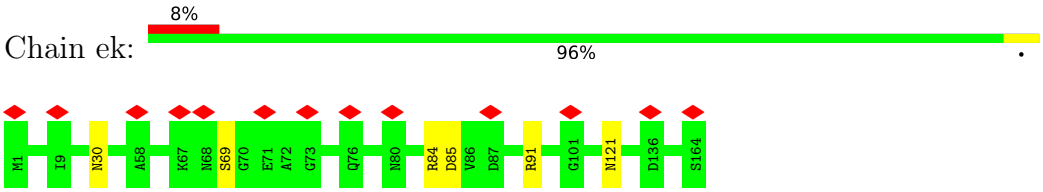
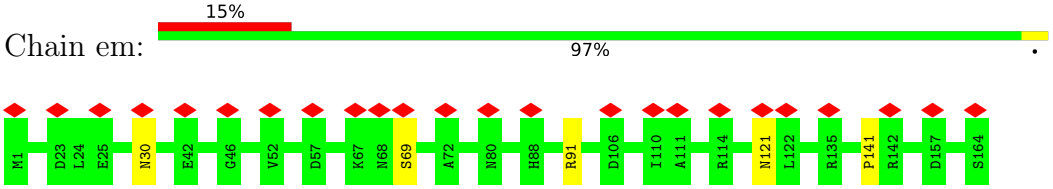


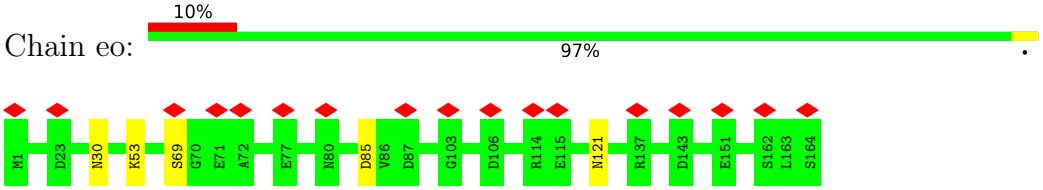
• Molecule 10: R-phycoerythrin alpha chain

Chain em:



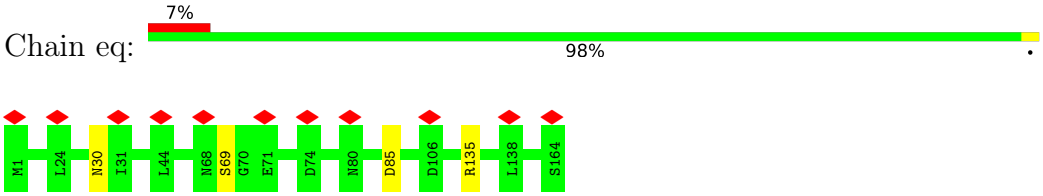
• Molecule 10: R-phycoerythrin alpha chain

Chain eo:



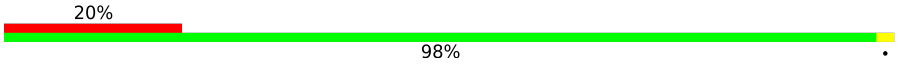
• Molecule 10: R-phycoerythrin alpha chain

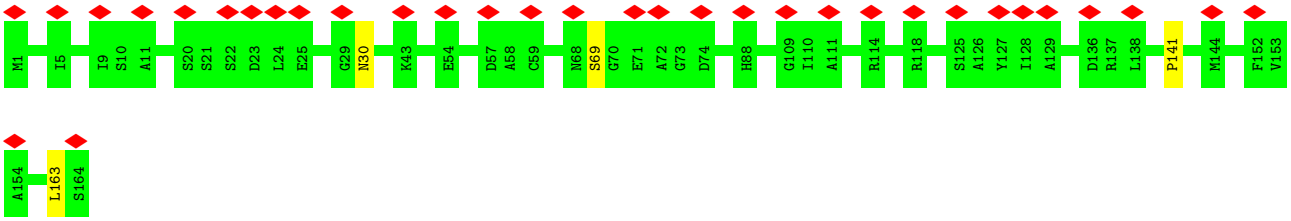
Chain eq:



• Molecule 10: R-phycoerythrin alpha chain

Chain es:





• Molecule 10: R-phycoerythrin alpha chain

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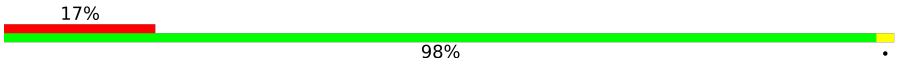
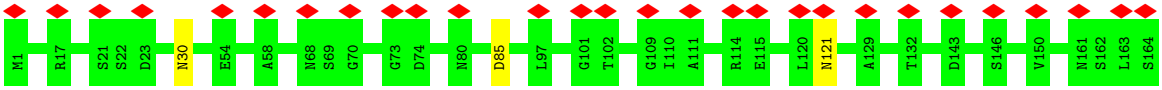
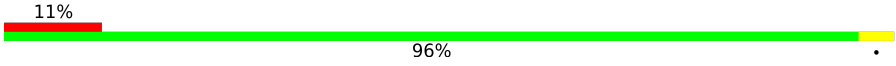
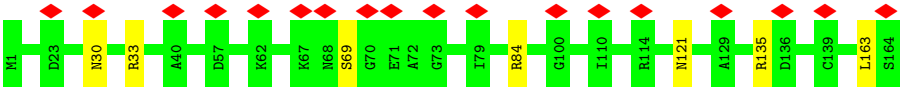




• Molecule 10: R-phycoerythrin alpha chain

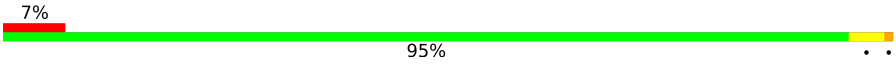
Chain eA:

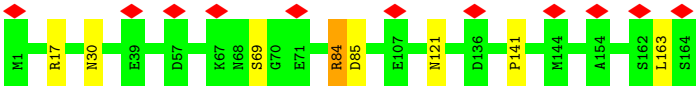




• Molecule 10: R-phycoerythrin alpha chain

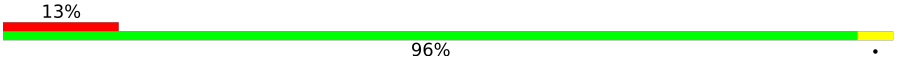
Chain eC:

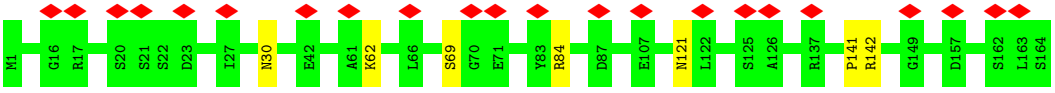




• Molecule 10: R-phycoerythrin alpha chain

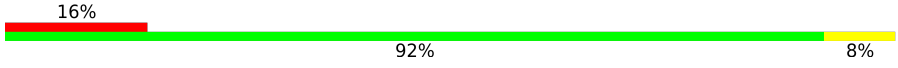
Chain eE:

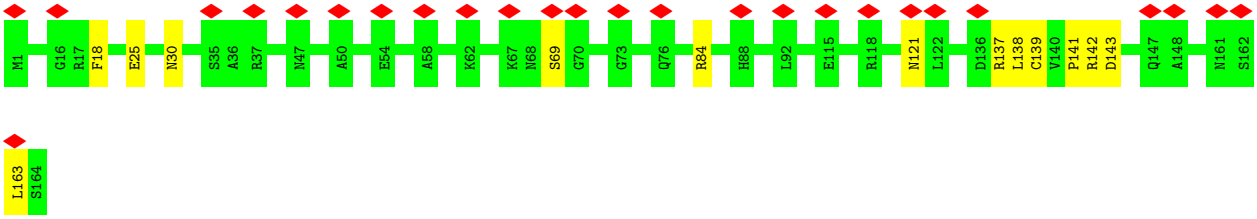




• Molecule 10: R-phycoerythrin alpha chain

Chain eG:





• Molecule 10: R-phycoerythrin alpha chain

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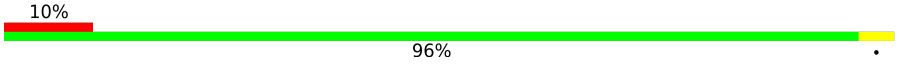
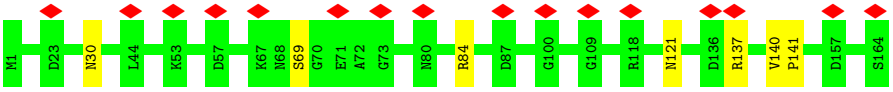
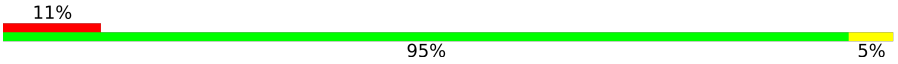
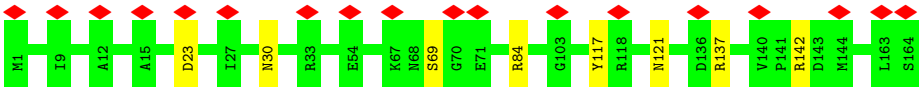




• Molecule 10: R-phycoerythrin alpha chain

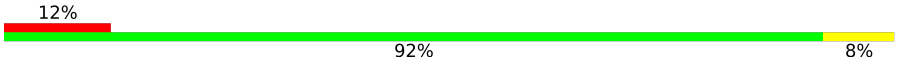
Chain eK:

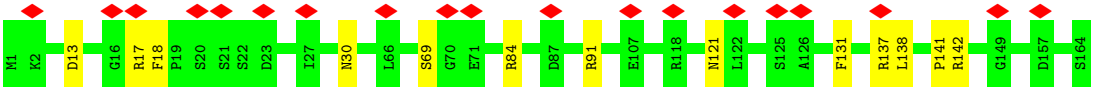




• Molecule 10: R-phycoerythrin alpha chain

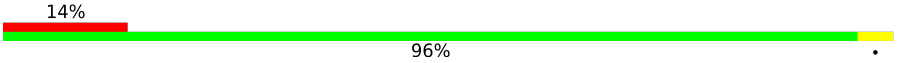
Chain eM:

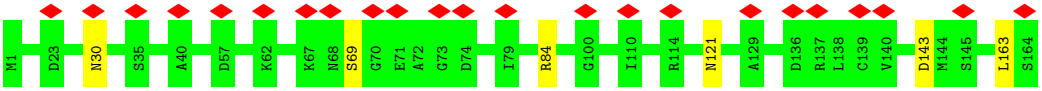




• Molecule 10: R-phycoerythrin alpha chain

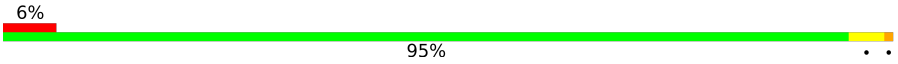
Chain eO:

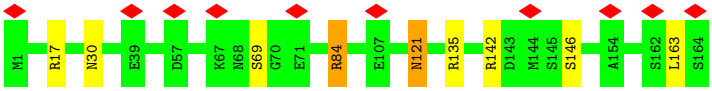




• Molecule 10: R-phycoerythrin alpha chain

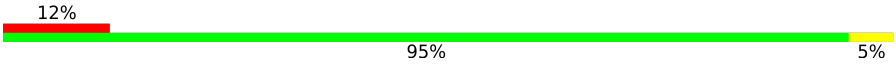
Chain eQ:

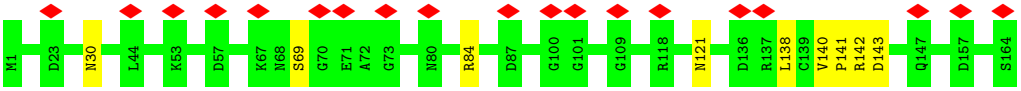




• Molecule 10: R-phycoerythrin alpha chain

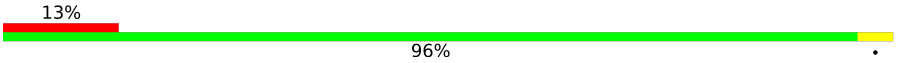
Chain eS:

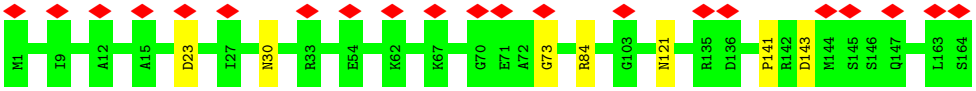




• Molecule 10: R-phycoerythrin alpha chain

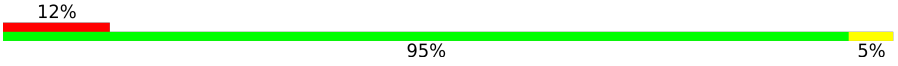
Chain eU:

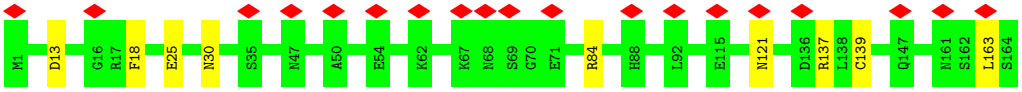




• Molecule 10: R-phycoerythrin alpha chain

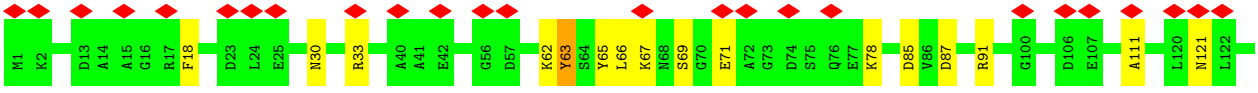
Chain eW:

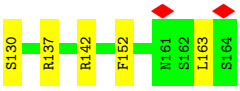




• Molecule 10: R-phycoerythrin alpha chain

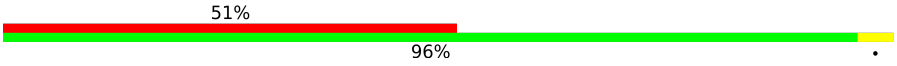
Chain la:

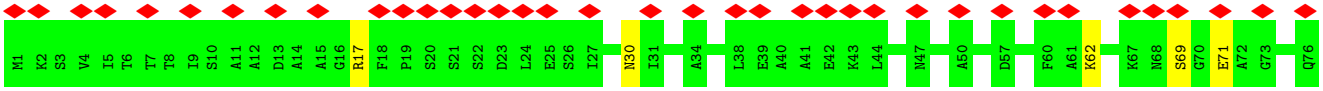


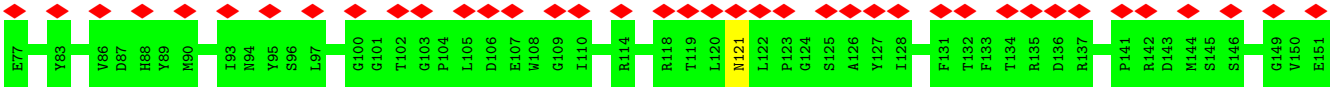


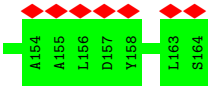
• Molecule 10: R-phycoerythrin alpha chain

Chain lc:



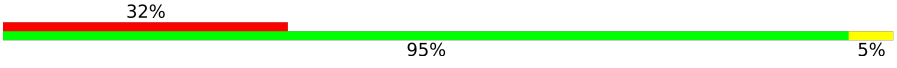


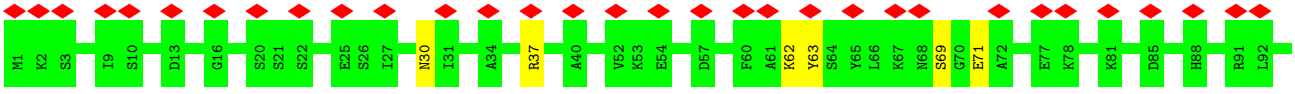


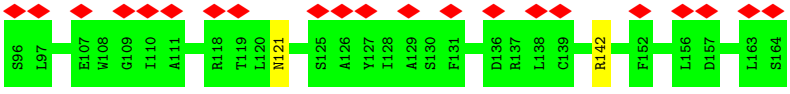


• Molecule 10: R-phycoerythrin alpha chain

Chain le:

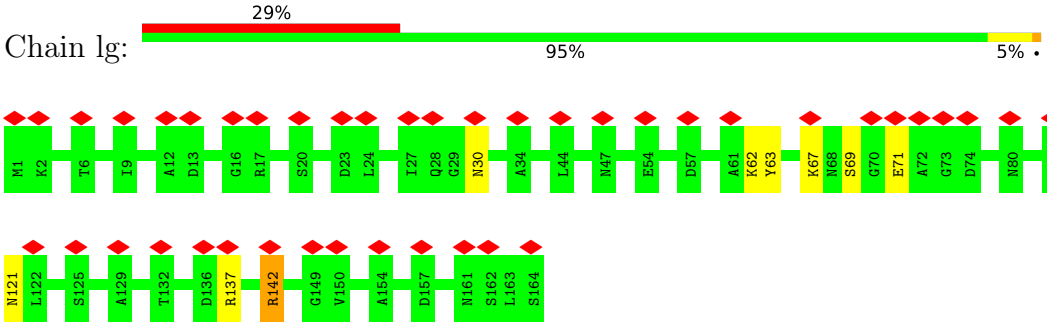






• Molecule 10: R-phycoerythrin alpha chain

Chain lg:



• Molecule 10: R-phycoerythrin alpha chain

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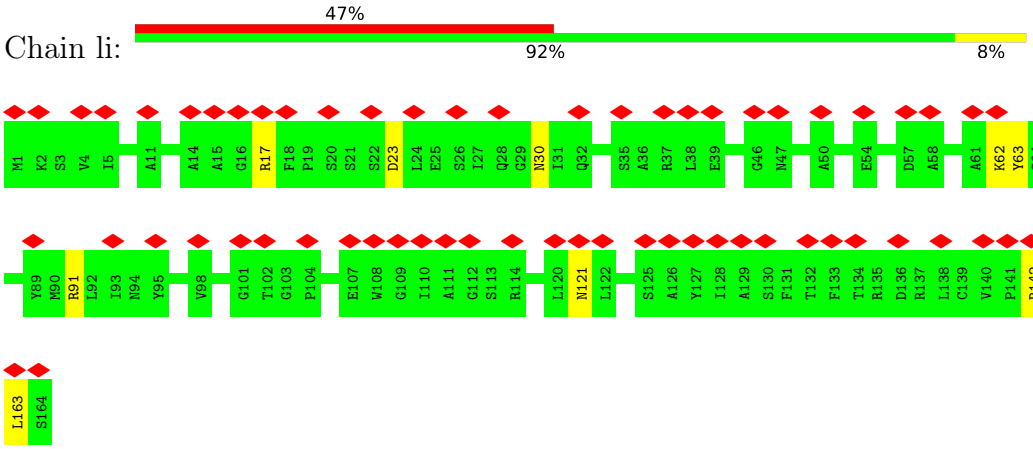

• Molecule 10: R-phycoerythrin alpha chain

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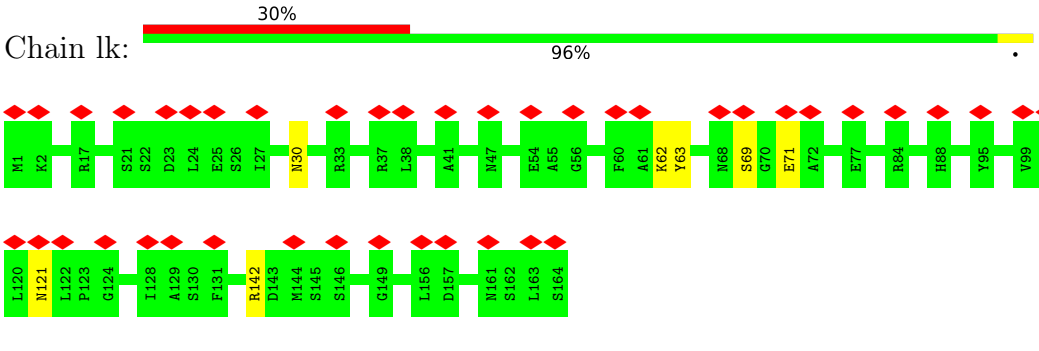

• Molecule 10: R-phycoerythrin alpha chain

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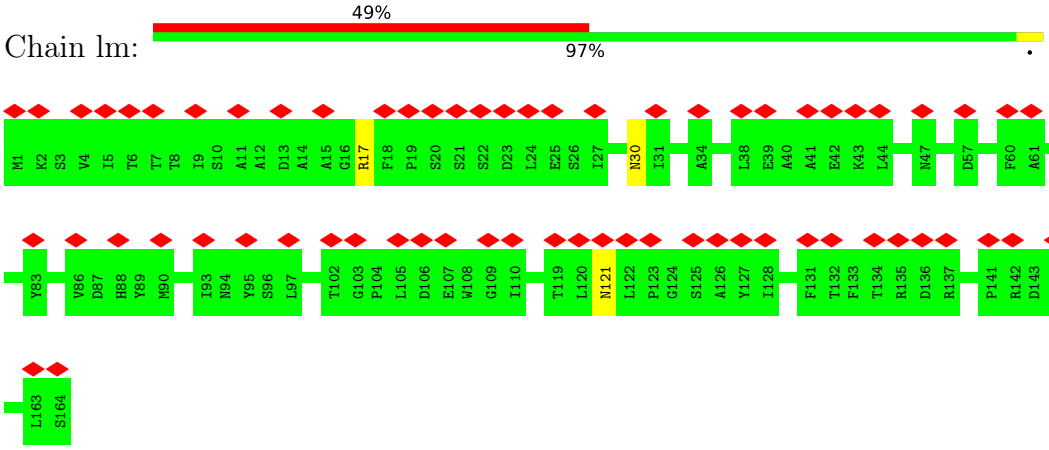

• Molecule 10: R-phycoerythrin alpha chain

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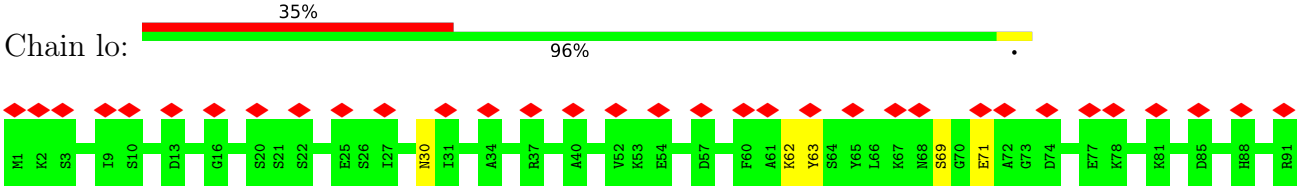

• Molecule 10: R-phycoerythrin alpha chain

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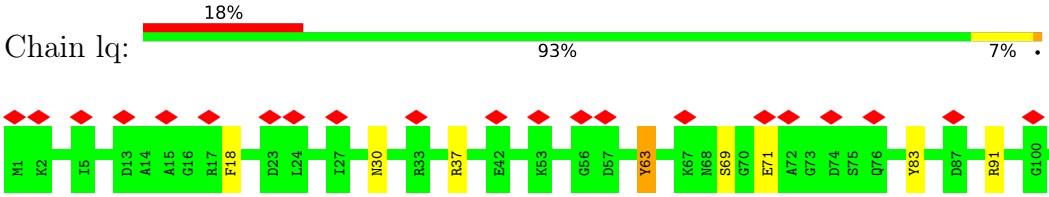
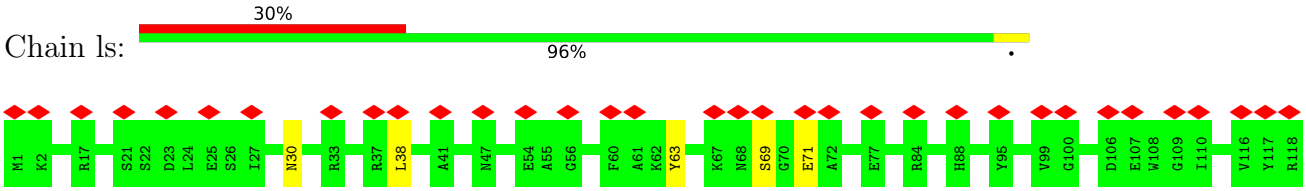


• Molecule 10: R-phycoerythrin alpha chain

Chain ls:



• Molecule 10: R-phycoerythrin alpha chain

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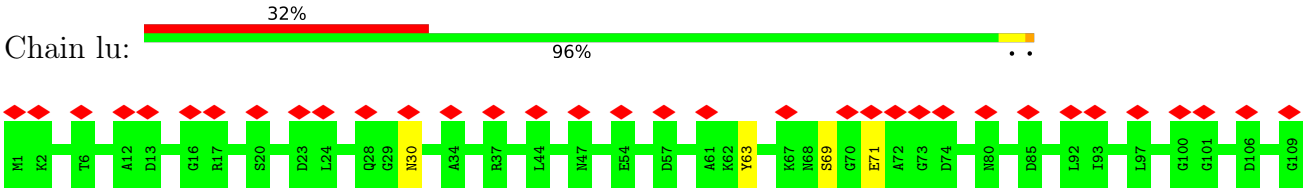

• Molecule 10: R-phycoerythrin alpha chain

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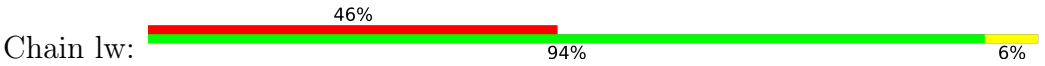
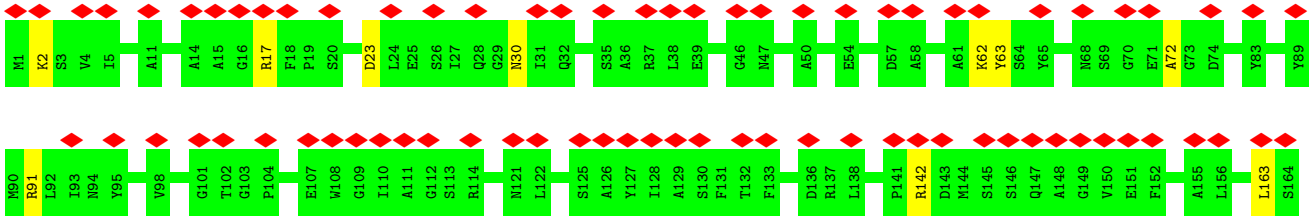
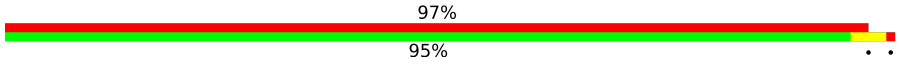
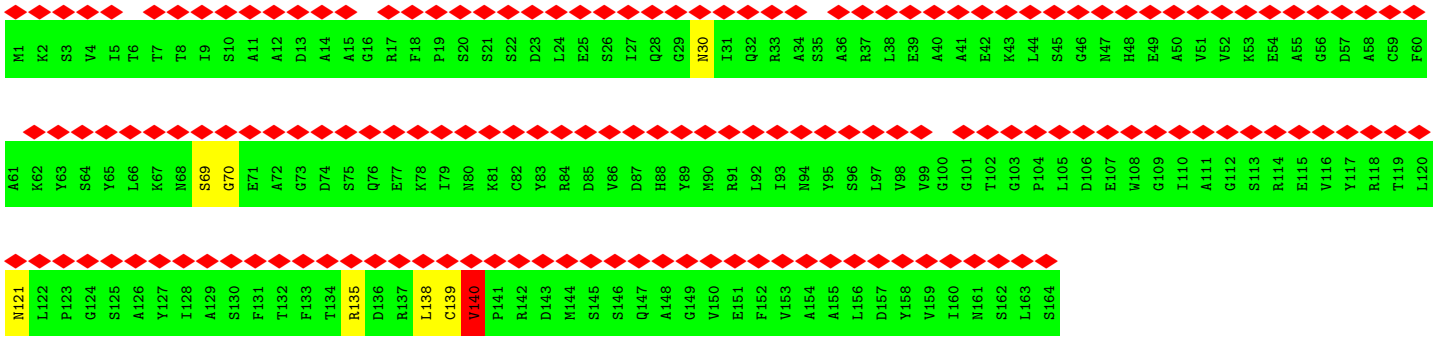




• Molecule 10: R-phycoerythrin alpha chain

Chain fb:





• Molecule 10: R-phycoerythrin alpha chain

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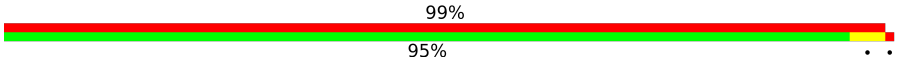

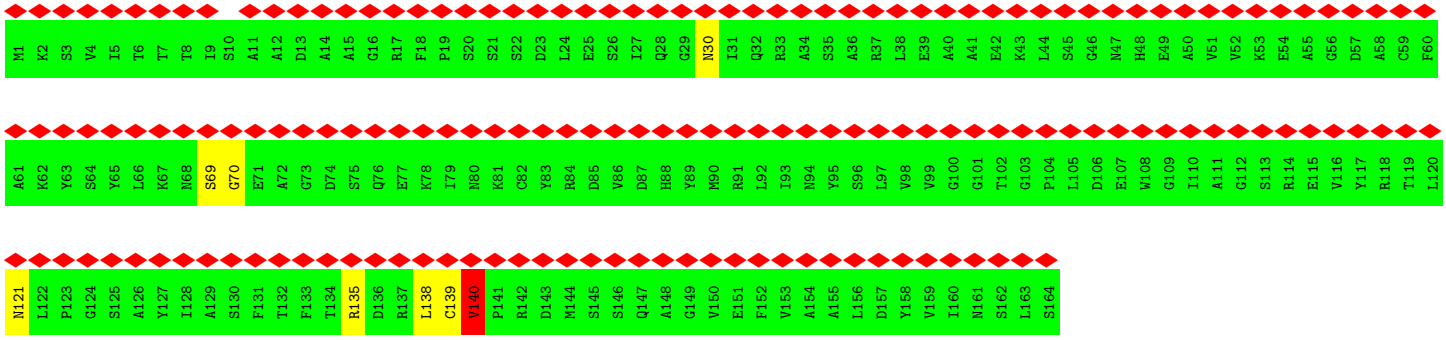

• Molecule 10: R-phycoerythrin alpha chain

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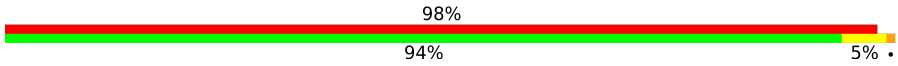
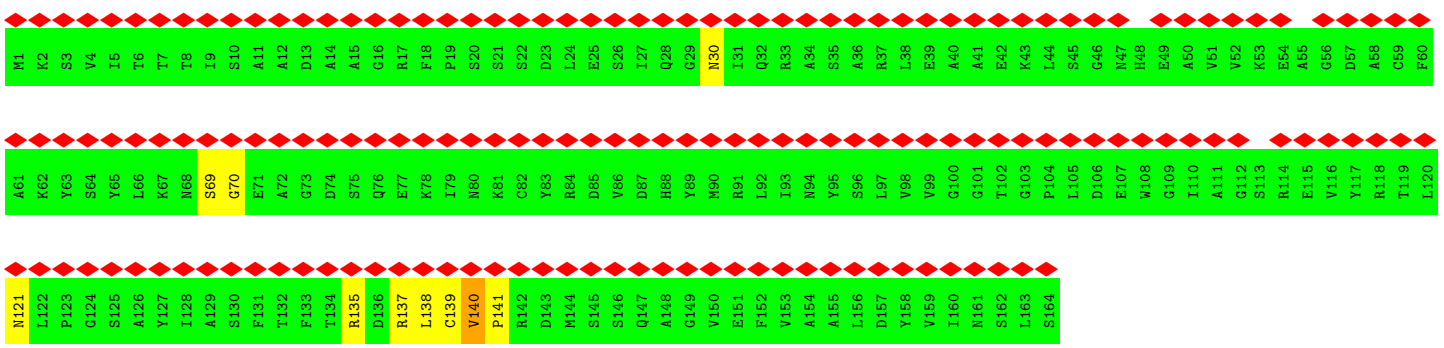
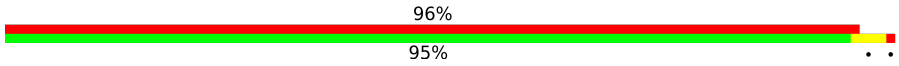
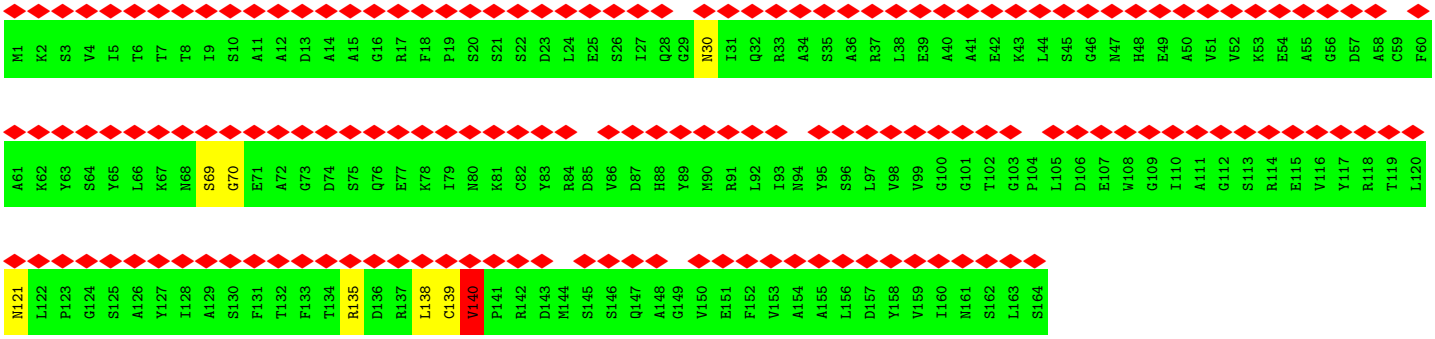




• Molecule 10: R-phycoerythrin alpha chain

Chain fh:





• Molecule 10: R-phycoerythrin alpha chain

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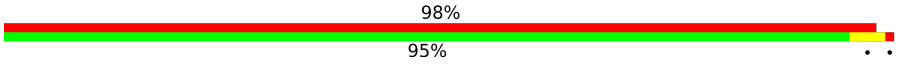
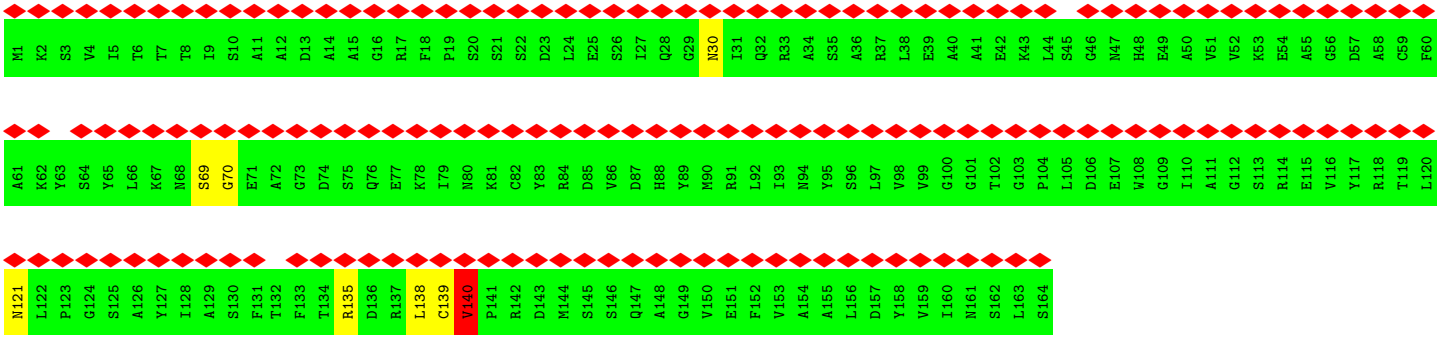
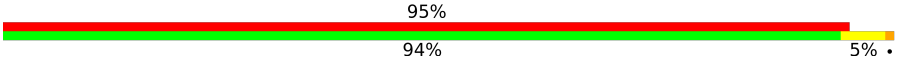
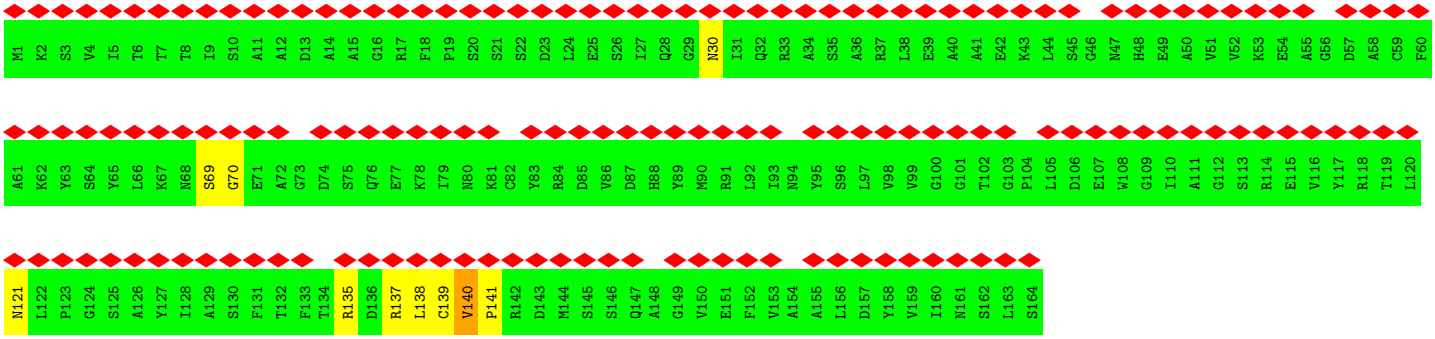




• Molecule 10: R-phycoerythrin alpha chain

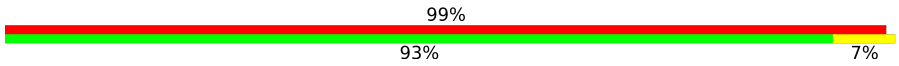
Chain fl:

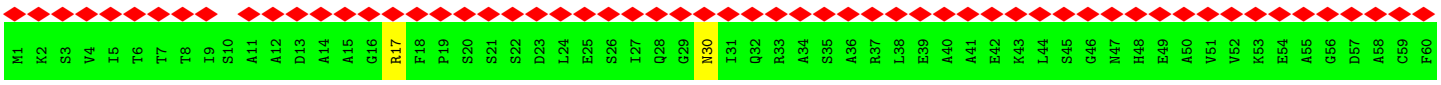




• Molecule 10: R-phycoerythrin alpha chain

Chain fn:





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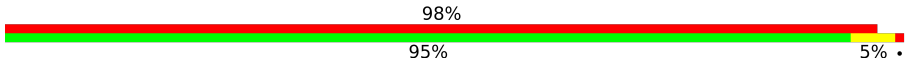
N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

- Molecule 10: R-phycoerythrin alpha chain

Chain fp:



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A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

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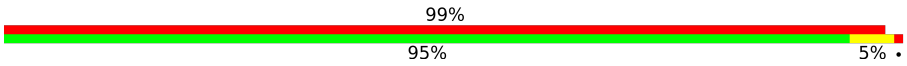
- Molecule 10: R-phycoerythrin alpha chain

Chain fr:



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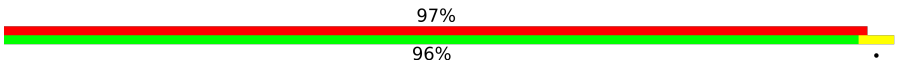
N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

- Molecule 10: R-phycoerythrin alpha chain

Chain ft:



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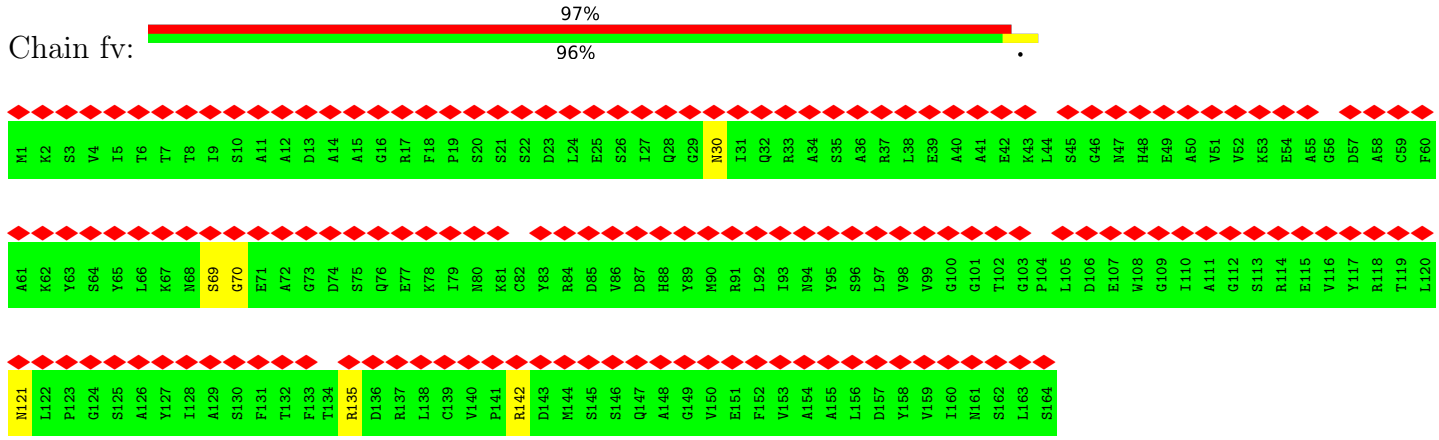
A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

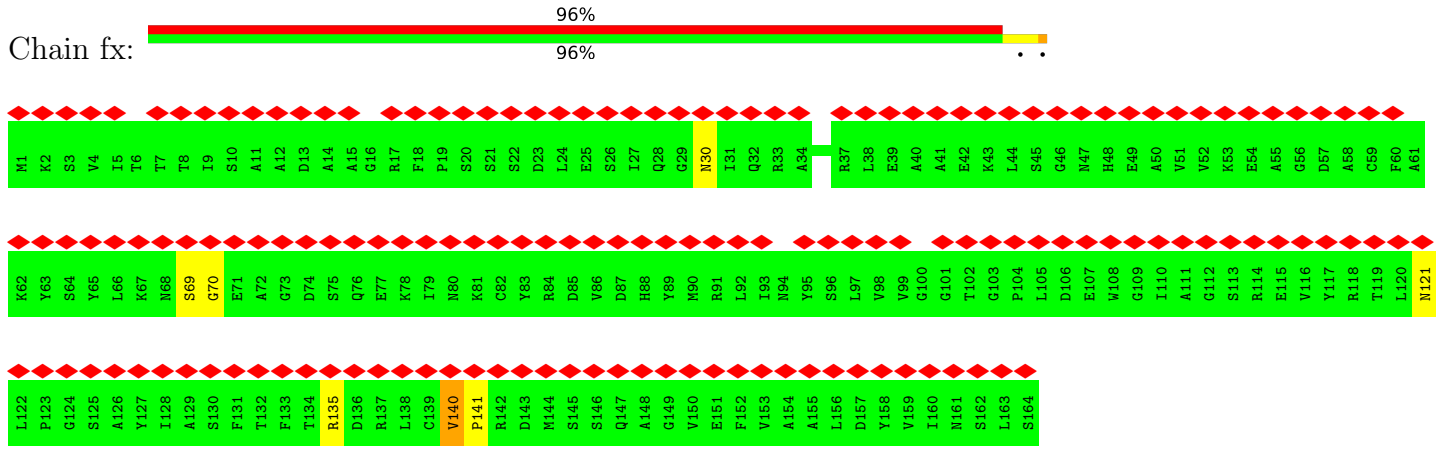
• Molecule 10: R-phycoerythrin alpha chain

Chain fv:



• Molecule 10: R-phycoerythrin alpha chain

Chain fx:



• Molecule 10: R-phycoerythrin alpha chain

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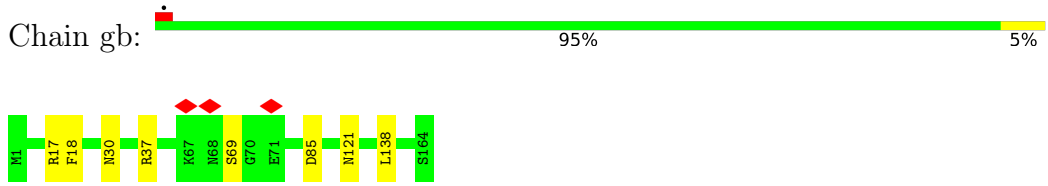

• Molecule 10: R-phycoerythrin alpha chain

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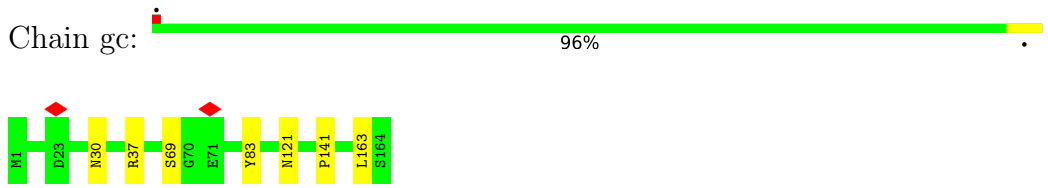

• Molecule 10: R-phycoerythrin alpha chain

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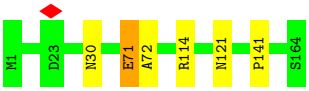

• Molecule 10: R-phycoerythrin alpha chain

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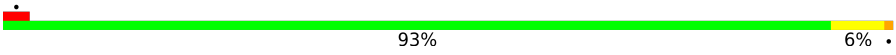

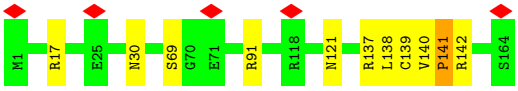

• Molecule 10: R-phycoerythrin alpha chain

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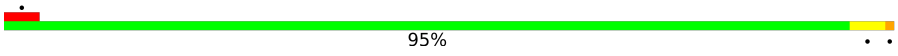

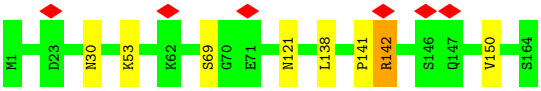

• Molecule 10: R-phycoerythrin alpha chain

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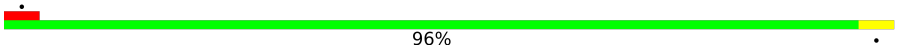
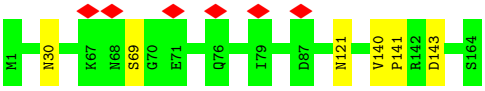
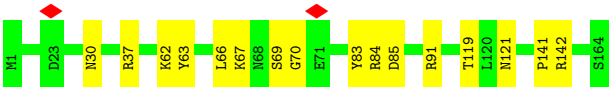




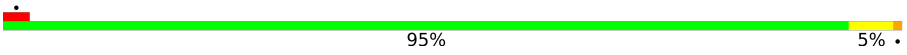
• Molecule 10: R-phycoerythrin alpha chain

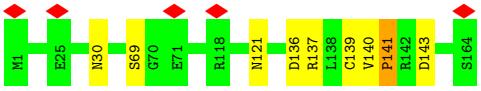
Chain gm:



• Molecule 10: R-phycoerythrin alpha chain

Chain go:





• Molecule 10: R-phycoerythrin alpha chain

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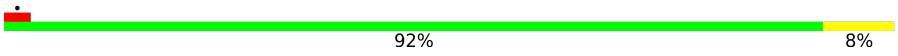
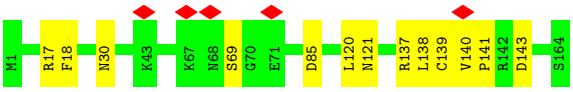
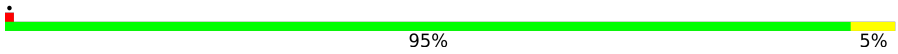
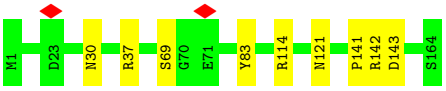




• Molecule 10: R-phycoerythrin alpha chain

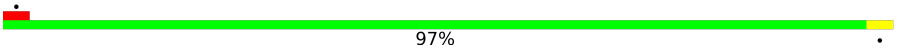
Chain gs:

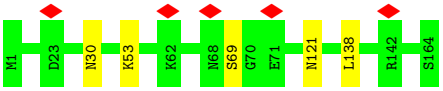




• Molecule 10: R-phycoerythrin alpha chain

Chain gu:





• Molecule 10: R-phycoerythrin alpha chain

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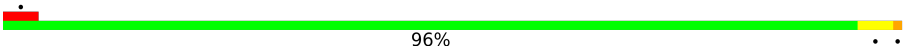
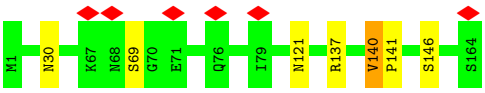
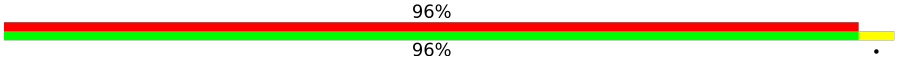
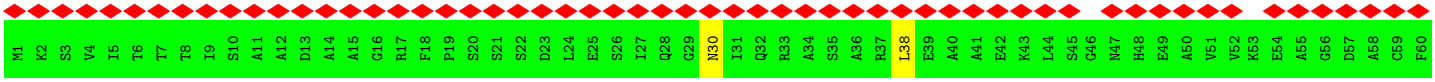


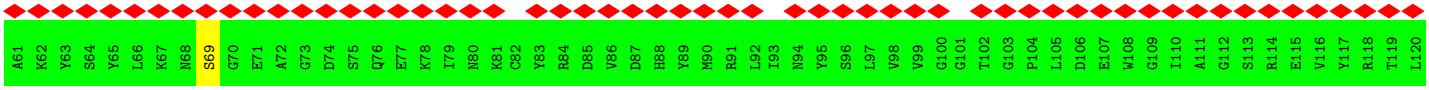


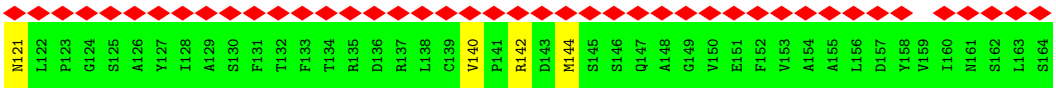
• Molecule 10: R-phycoerythrin alpha chain

Chain hA:



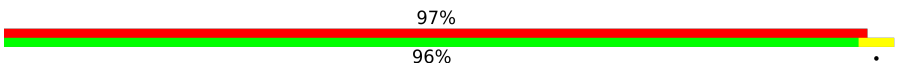


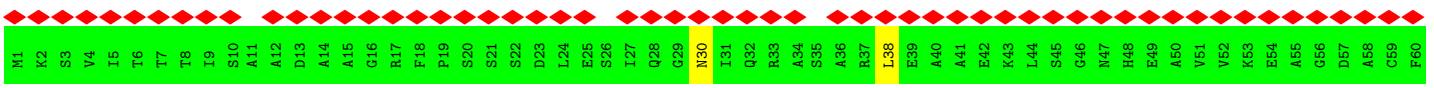


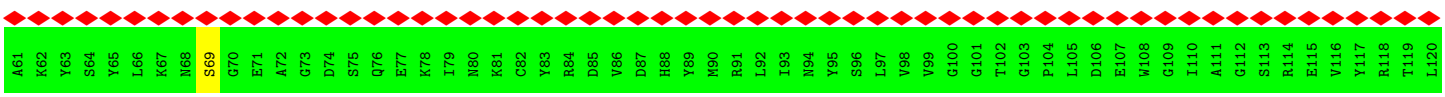


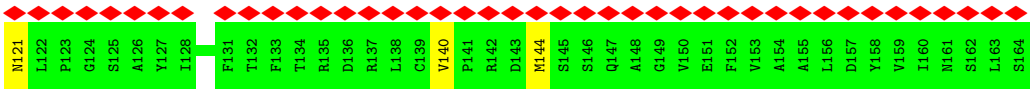
• Molecule 10: R-phycoerythrin alpha chain

Chain hC:



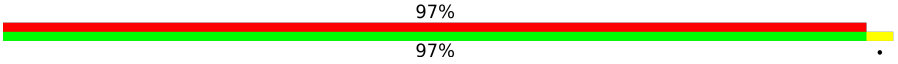


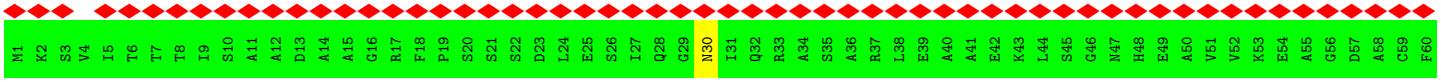


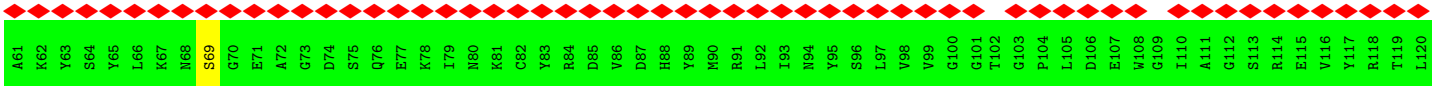


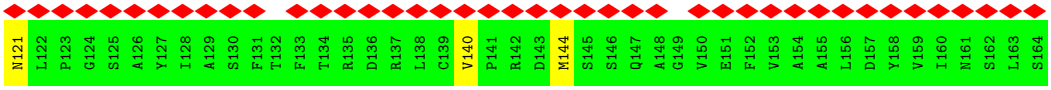
• Molecule 10: R-phycoerythrin alpha chain

Chain hE:



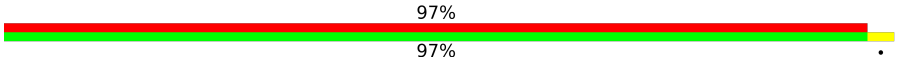


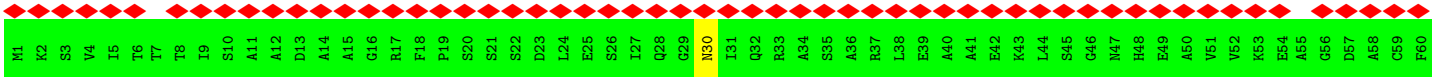


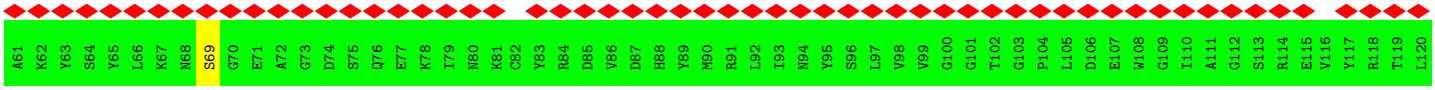


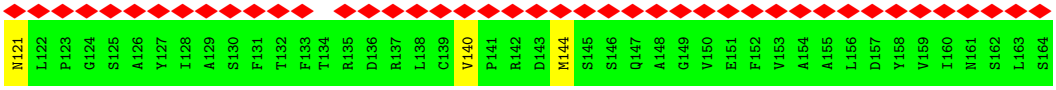
• Molecule 10: R-phycoerythrin alpha chain

Chain hF:



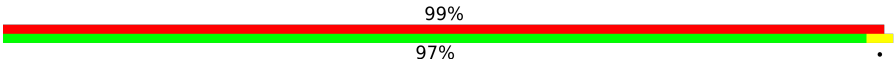


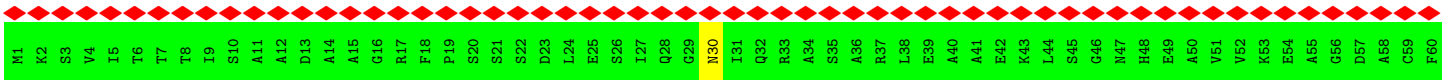


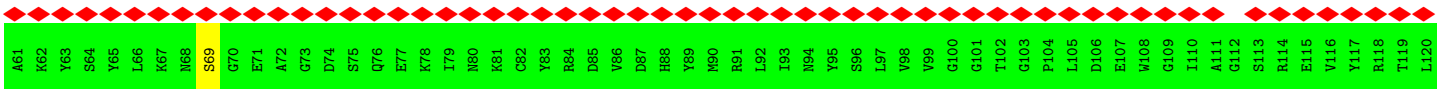


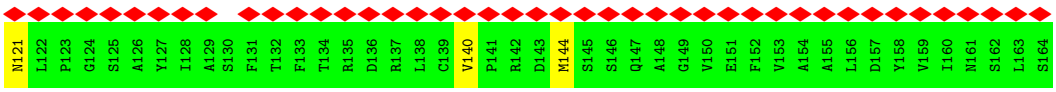
• Molecule 10: R-phycoerythrin alpha chain

Chain hI:



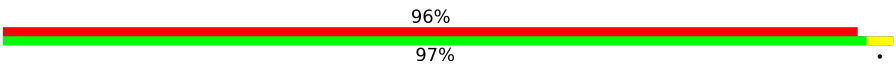






• Molecule 10: R-phycoerythrin alpha chain

Chain hK:



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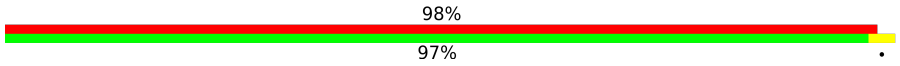
A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

• Molecule 10: R-phycoerythrin alpha chain

Chain hM:



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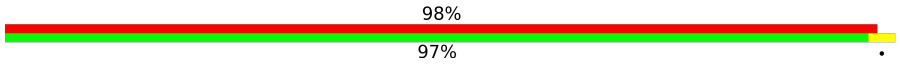
A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

• Molecule 10: R-phycoerythrin alpha chain

Chain hO:



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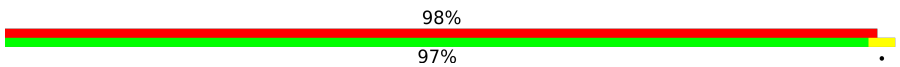
A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

N121 L122 P123 G124 S125 A126 Y127 I128 A129 S130 F131 T132 F133 T134 R135 D136 R137 L138 C139 V140 P141 R142 D143 M144 S145 S146 Q147 A148 G149 V150 E151 F152 V153 A154 A155 L156 D157 Y158 V159 I160 N161 S162 L163 S164

• Molecule 10: R-phycoerythrin alpha chain

Chain hQ:



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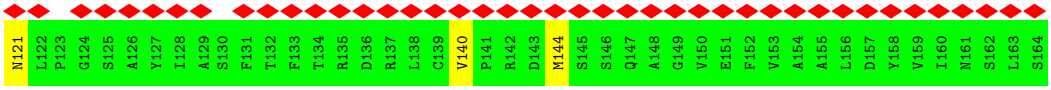
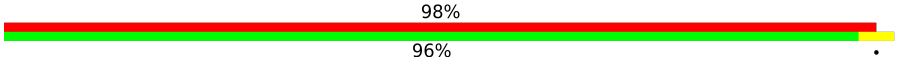
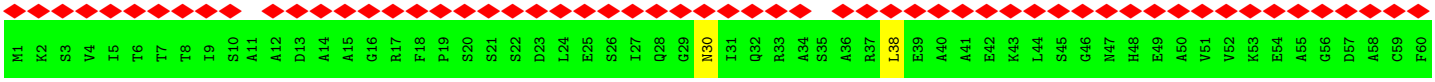
A61 K62 Y63 S64 Y65 L66 K67 N68 S69 G70 E71 A72 G73 D74 S75 Q76 E77 K78 I79 N80 K81 C82 Y83 R84 D85 V86 D87 H88 Y89 M90 R91 L92 I93 N94 Y95 S96 L97 V98 V99 G100 G101 T102 G103 P104 L105 D106 E107 W108 G109 I110 A111 G112 S113 R114 E115 V116 Y117 R118 T119 L120

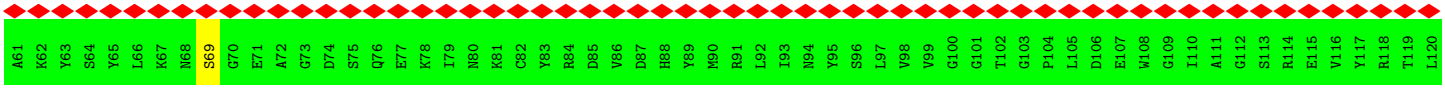


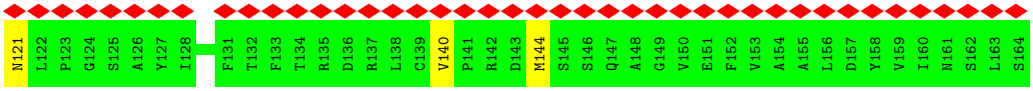
• Molecule 10: R-phycoerythrin alpha chain

Chain hS:



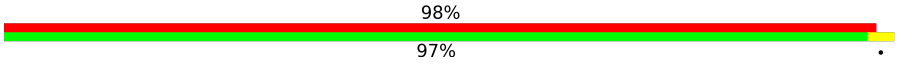


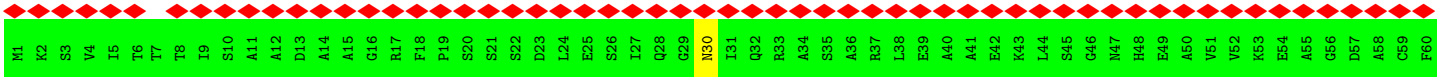


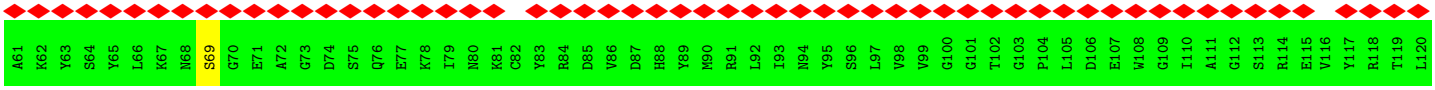


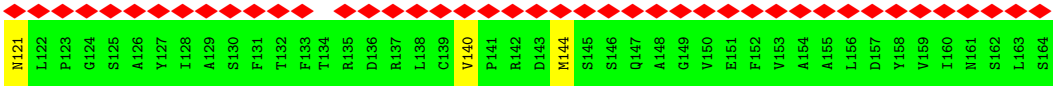
• Molecule 10: R-phycoerythrin alpha chain

Chain hU:



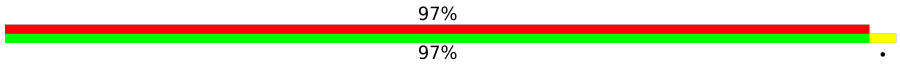


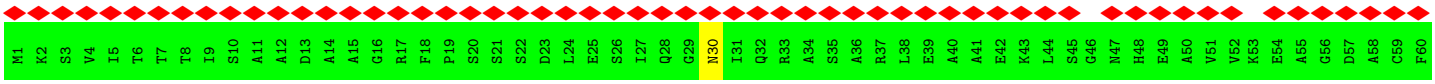


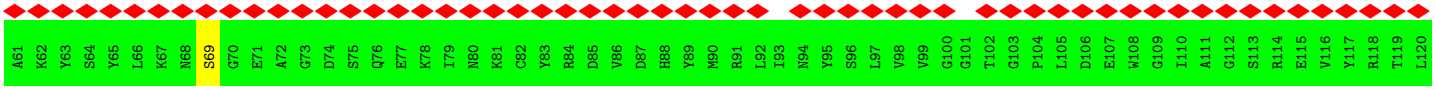


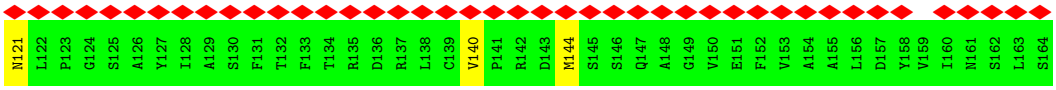
• Molecule 10: R-phycoerythrin alpha chain

Chain hW:



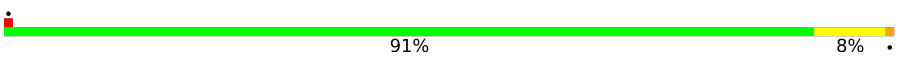


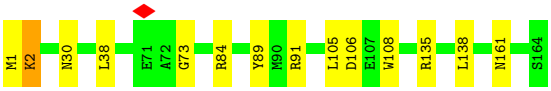




• Molecule 10: R-phycoerythrin alpha chain

Chain iA:





• Molecule 10: R-phycoerythrin alpha chain

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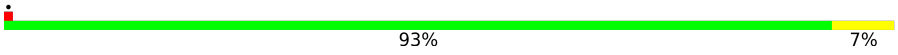
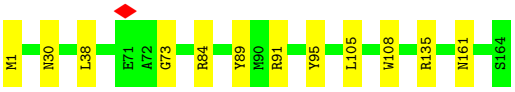
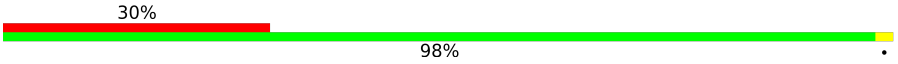
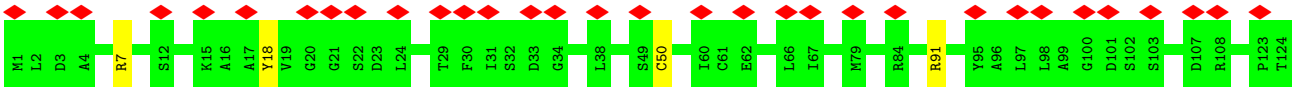


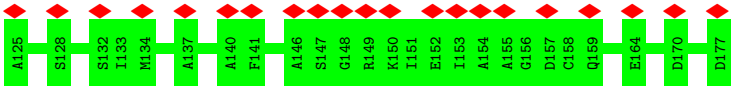


• Molecule 11: R-phycoerythrin beta chain

Chain f2:

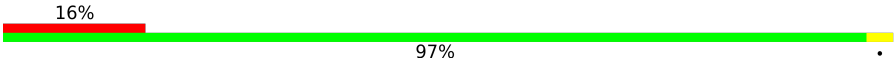


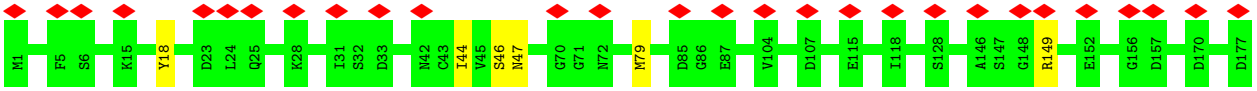




• Molecule 11: R-phycoerythrin beta chain

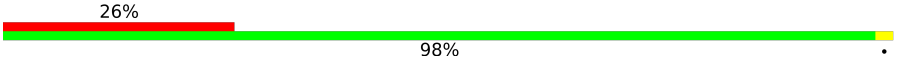
Chain h2:

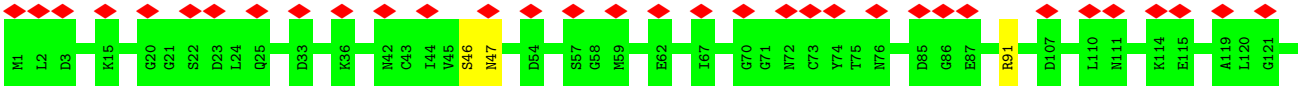


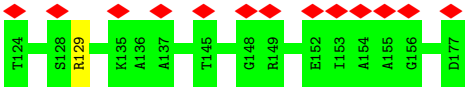


• Molecule 11: R-phycoerythrin beta chain

Chain j2:

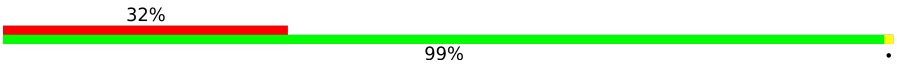


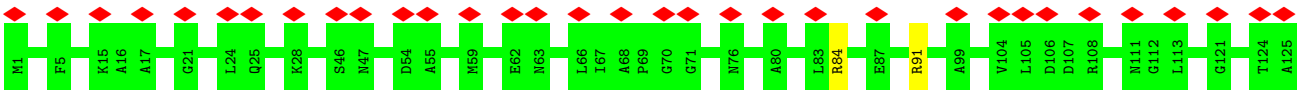


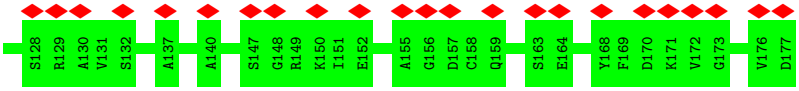


• Molecule 11: R-phycoerythrin beta chain

Chain l2:

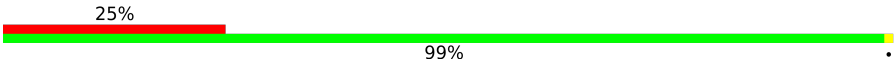


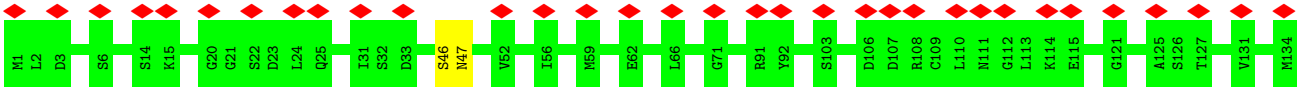


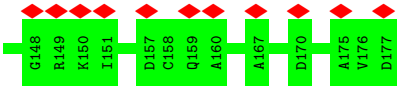


• Molecule 11: R-phycoerythrin beta chain

Chain n2:

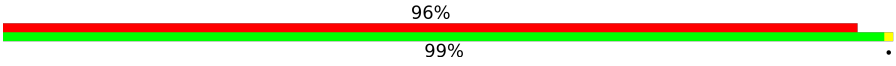


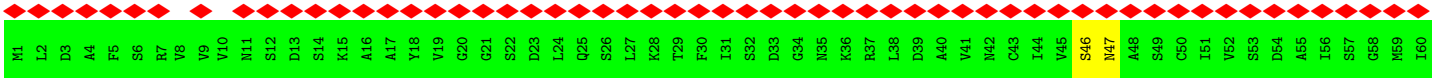


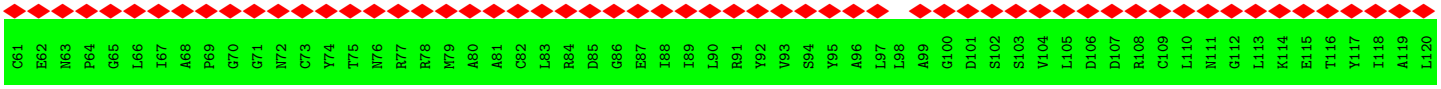


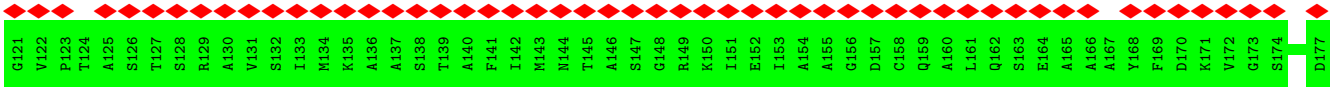
• Molecule 11: R-phycoerythrin beta chain

Chain p2:



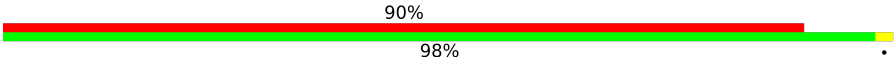


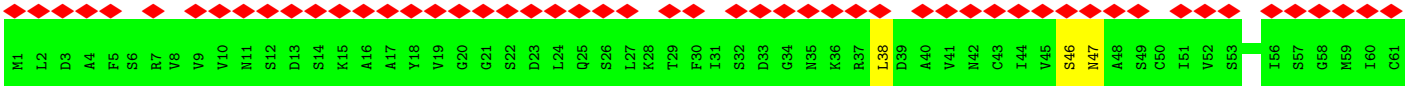


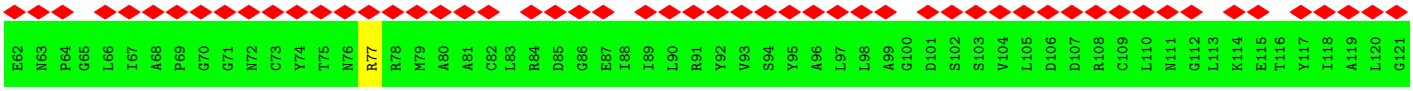


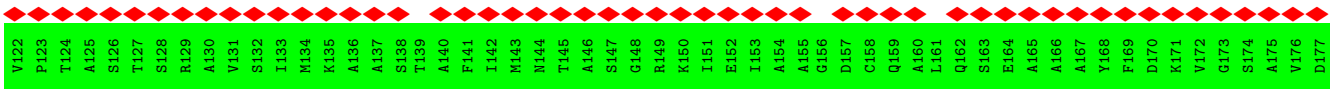
• Molecule 11: R-phycoerythrin beta chain

Chain r2:



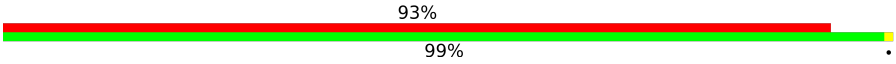


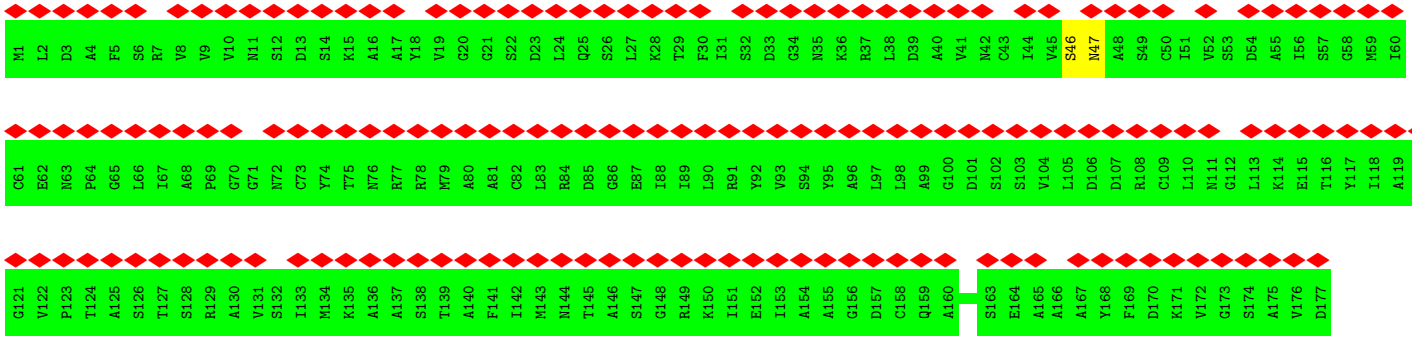




• Molecule 11: R-phycoerythrin beta chain

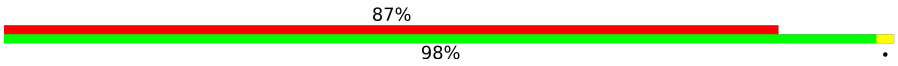
Chain t2:

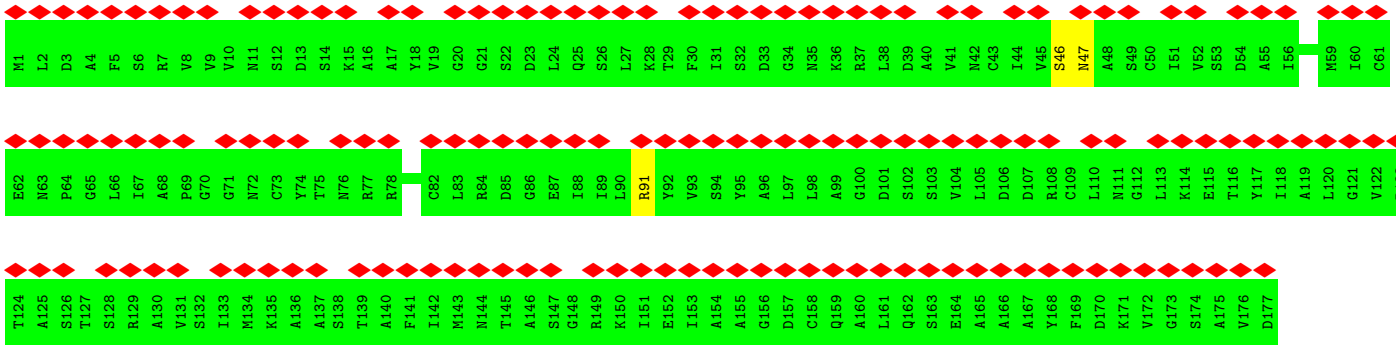




• Molecule 11: R-phycoerythrin beta chain

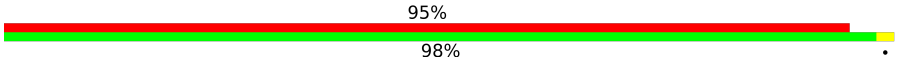
Chain v2:

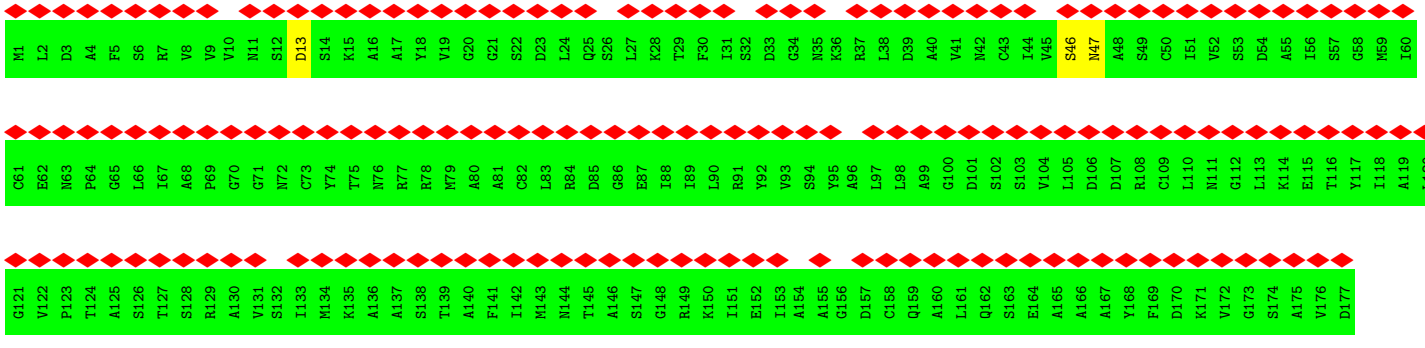




• Molecule 11: R-phycoerythrin beta chain

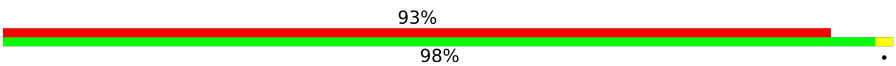
Chain x2:

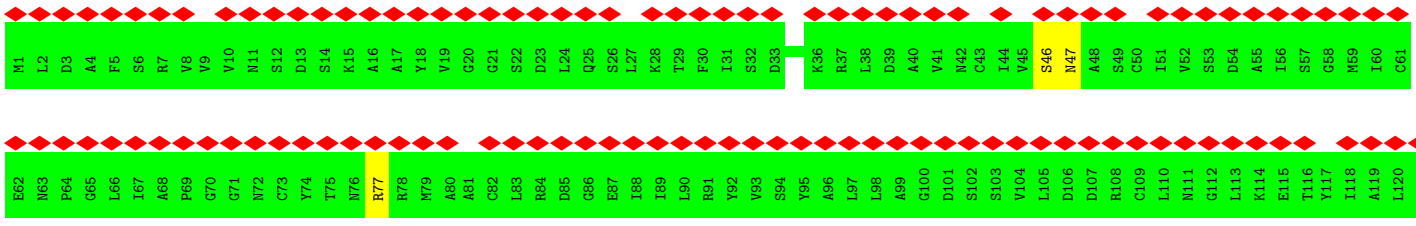


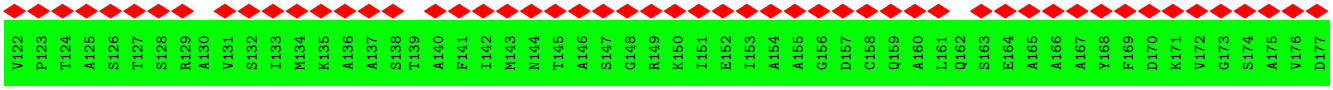


• Molecule 11: R-phycoerythrin beta chain

Chain z2:

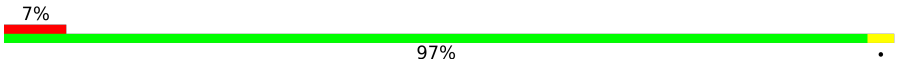


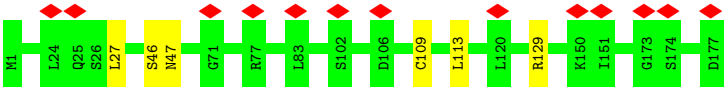




• Molecule 11: R-phycoerythrin beta chain

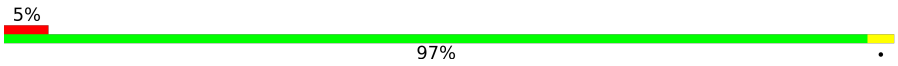
Chain F2:

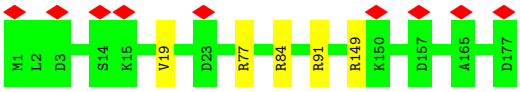




• Molecule 11: R-phycoerythrin beta chain

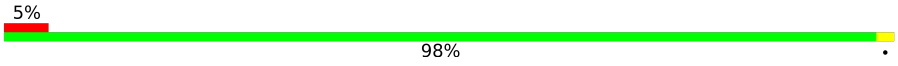
Chain H2:

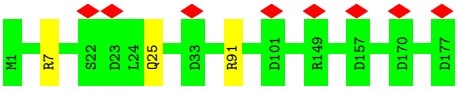




• Molecule 11: R-phycoerythrin beta chain

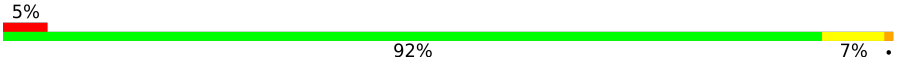
Chain J2:

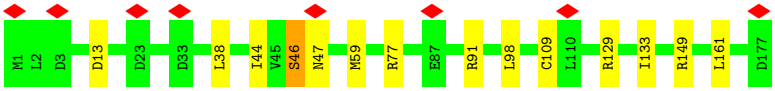




• Molecule 11: R-phycoerythrin beta chain

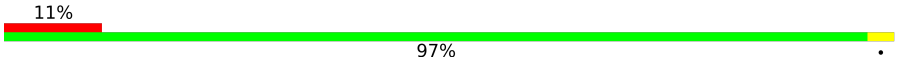
Chain L2:

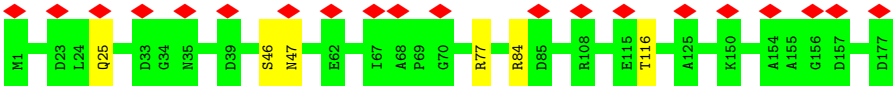




• Molecule 11: R-phycoerythrin beta chain

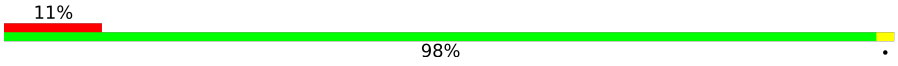
Chain N2:

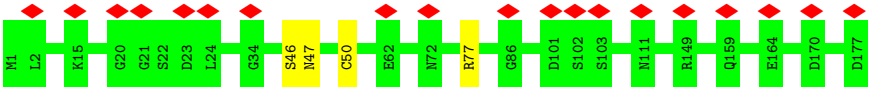




• Molecule 11: R-phycoerythrin beta chain

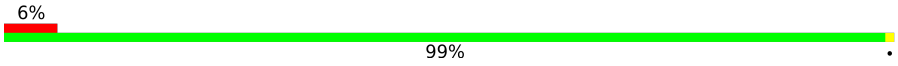
Chain P2:

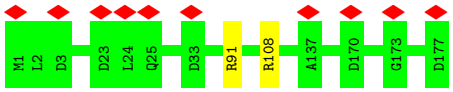




• Molecule 11: R-phycoerythrin beta chain

Chain R2:





• Molecule 11: R-phycoerythrin beta chain

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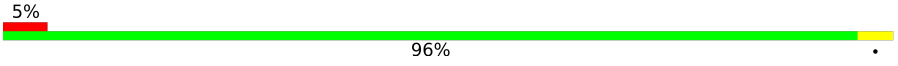
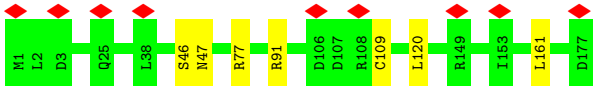
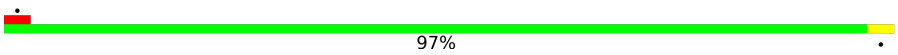
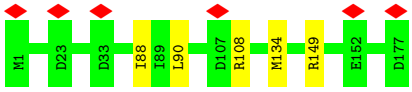




• Molecule 11: R-phycoerythrin beta chain

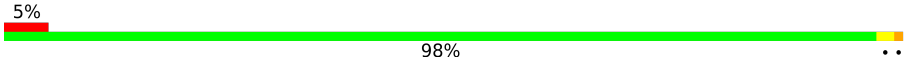
Chain V2:

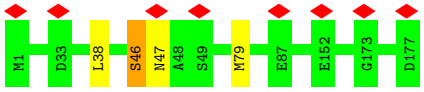




• Molecule 11: R-phycoerythrin beta chain

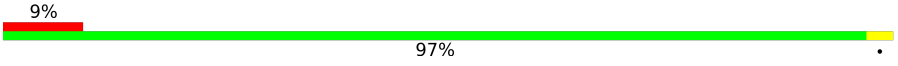
Chain X2:

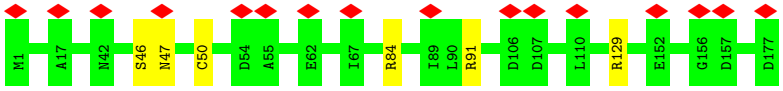




• Molecule 11: R-phycoerythrin beta chain

Chain Z2:





• Molecule 11: R-phycoerythrin beta chain

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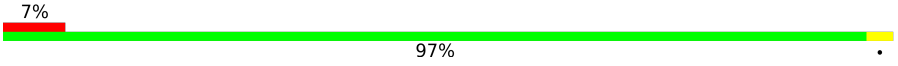

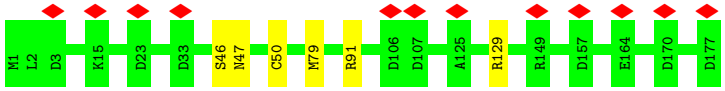

• Molecule 11: R-phycoerythrin beta chain

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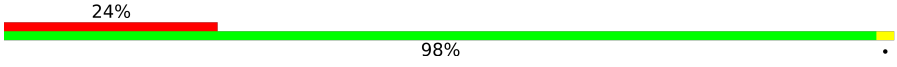
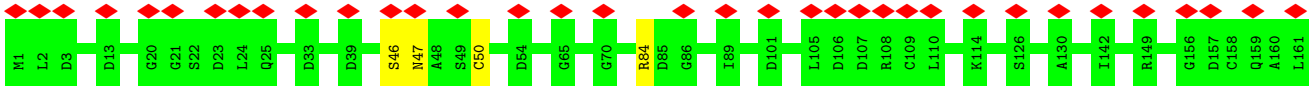
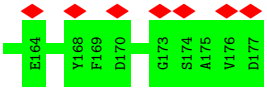
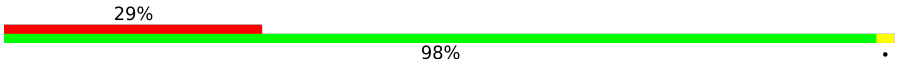


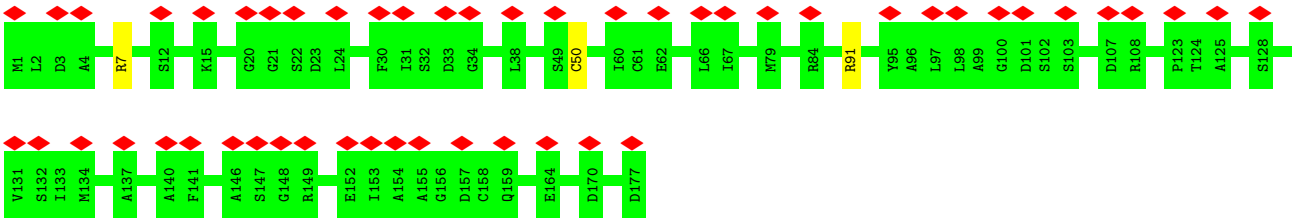




• Molecule 11: R-phycoerythrin beta chain

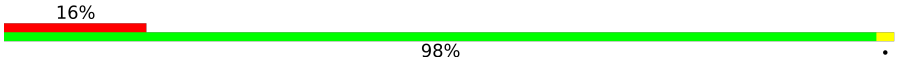
Chain F3:

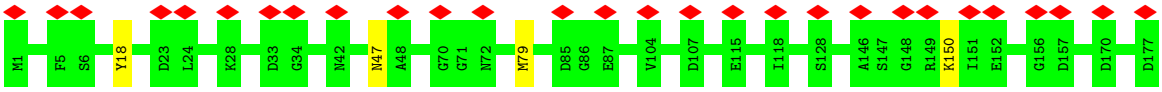




• Molecule 11: R-phycoerythrin beta chain

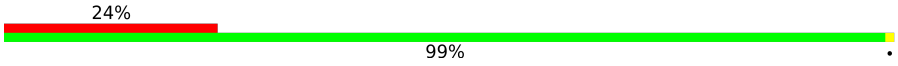
Chain H3:

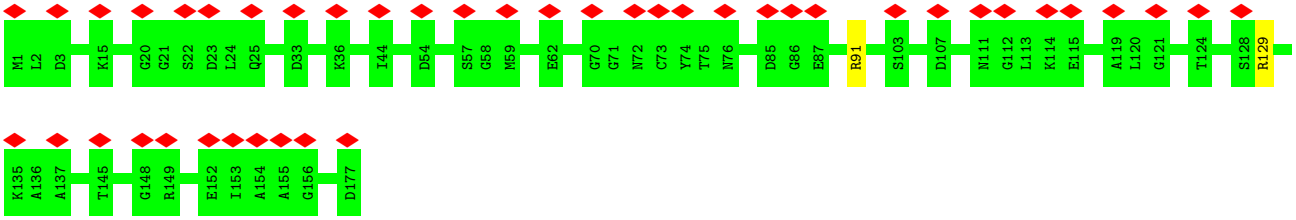




• Molecule 11: R-phycoerythrin beta chain

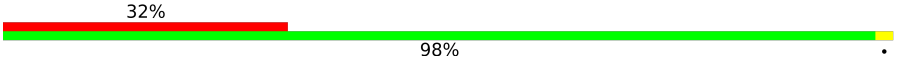
Chain J3:

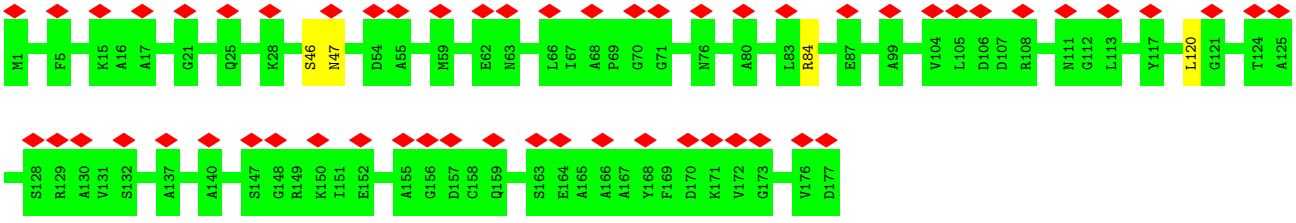




• Molecule 11: R-phycoerythrin beta chain

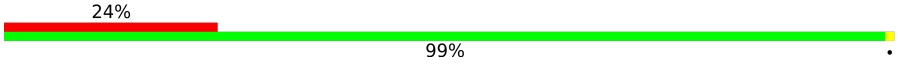
Chain L3:

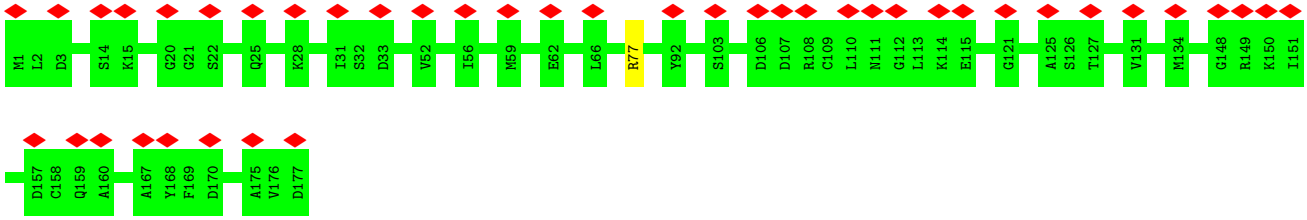




• Molecule 11: R-phycoerythrin beta chain

Chain N3:





• Molecule 11: R-phycoerythrin beta chain

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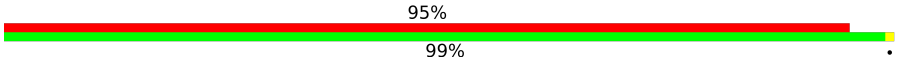

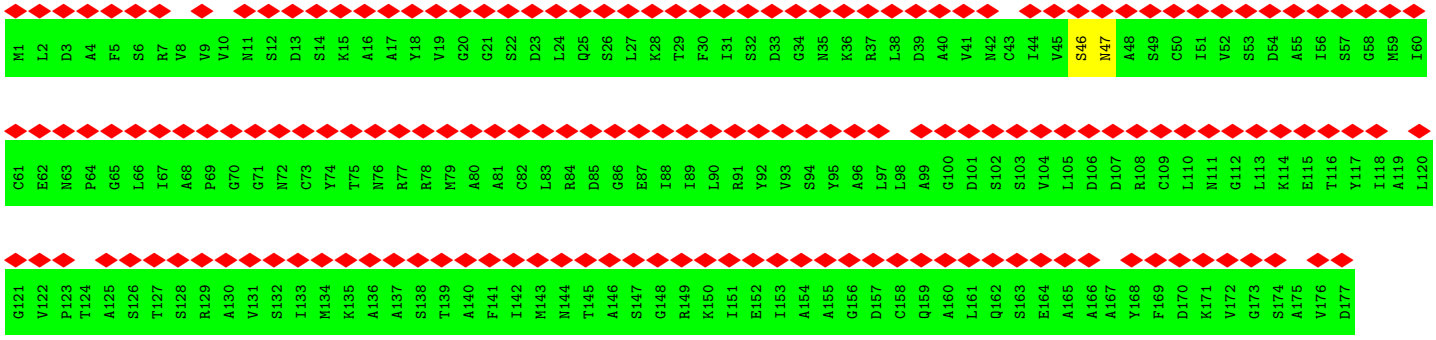

• Molecule 11: R-phycoerythrin beta chain

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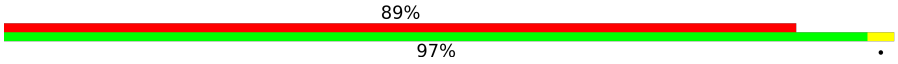
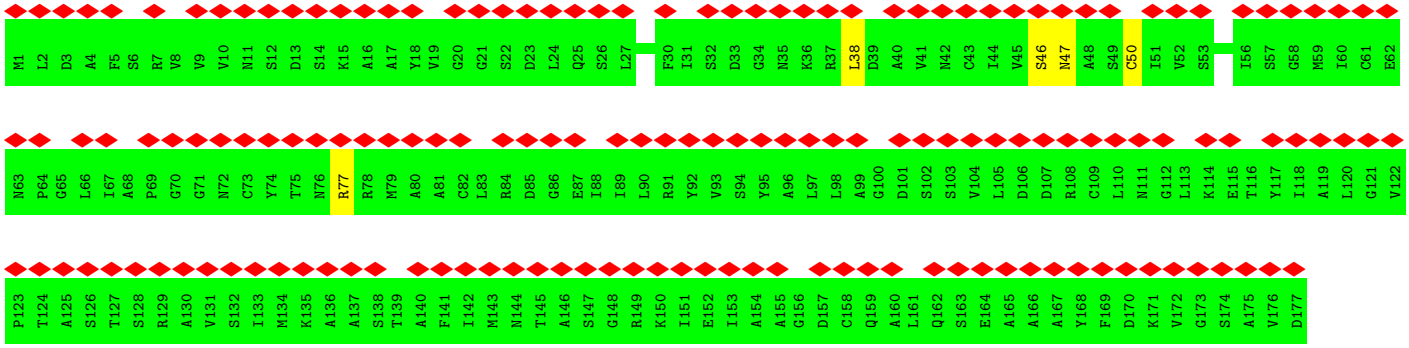
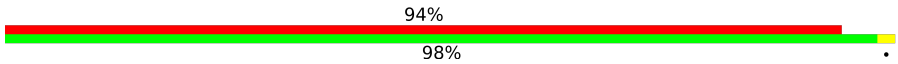
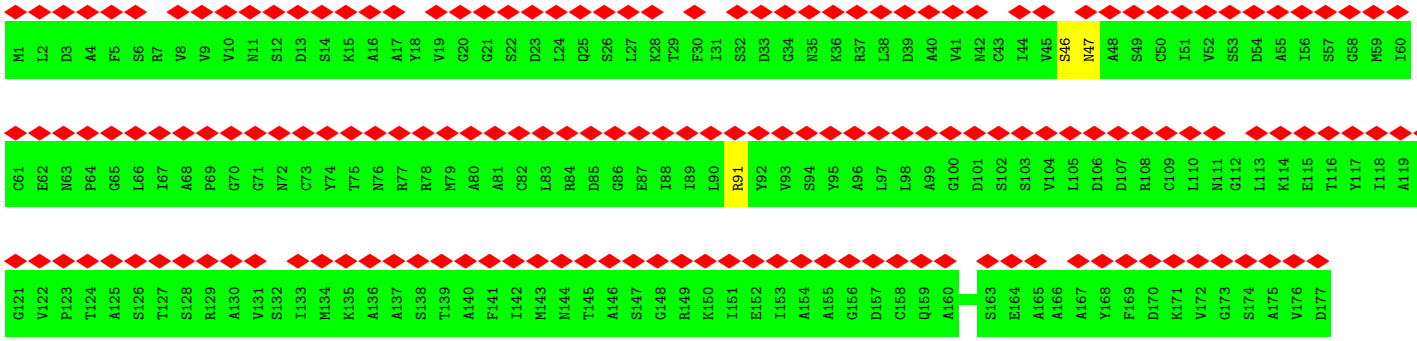




• Molecule 11: R-phycoerythrin beta chain

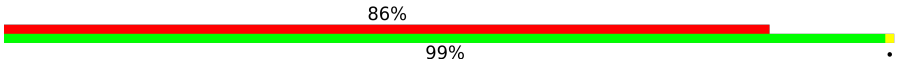
Chain T3:

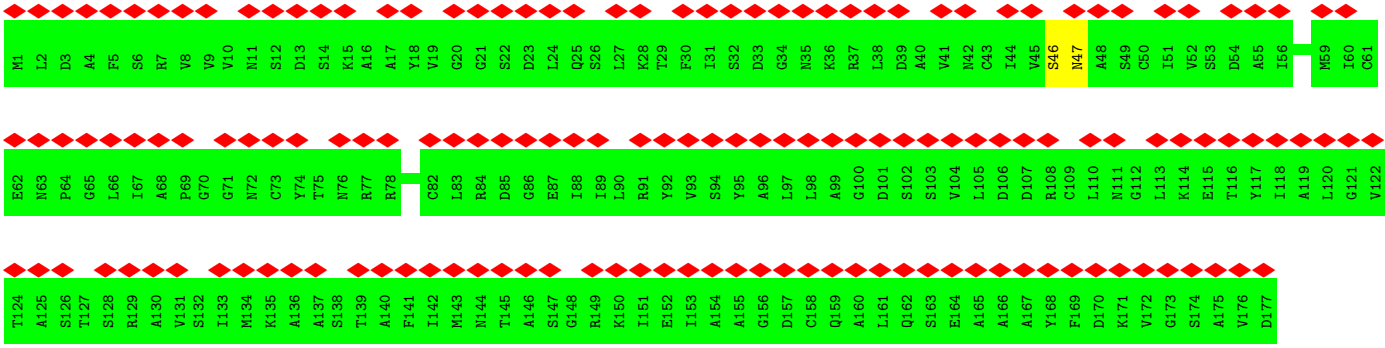




• Molecule 11: R-phycoerythrin beta chain

Chain V3:





• Molecule 11: R-phycoerythrin beta chain

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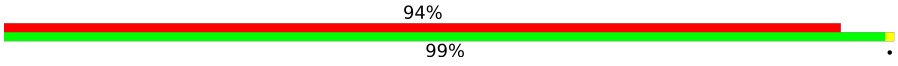
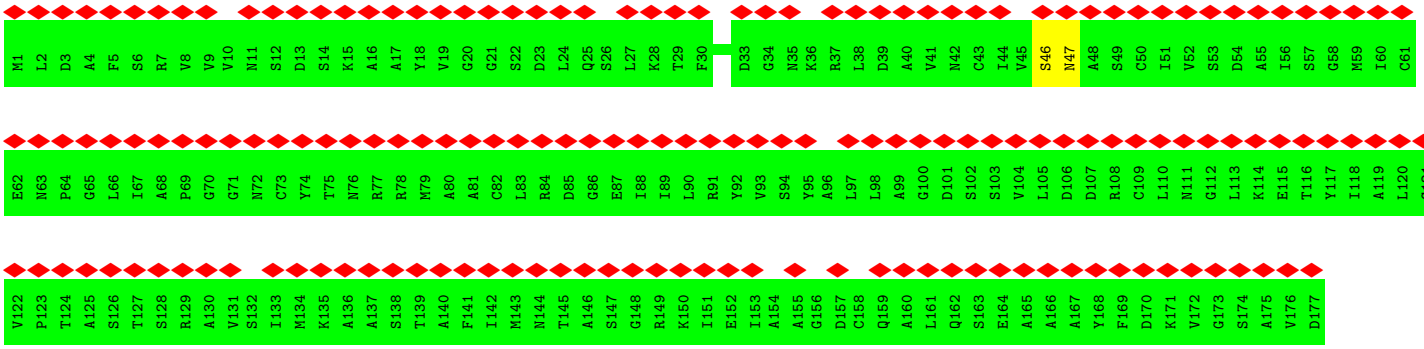
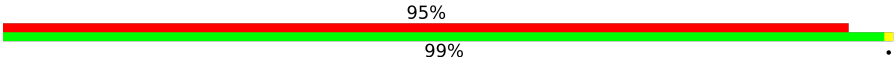
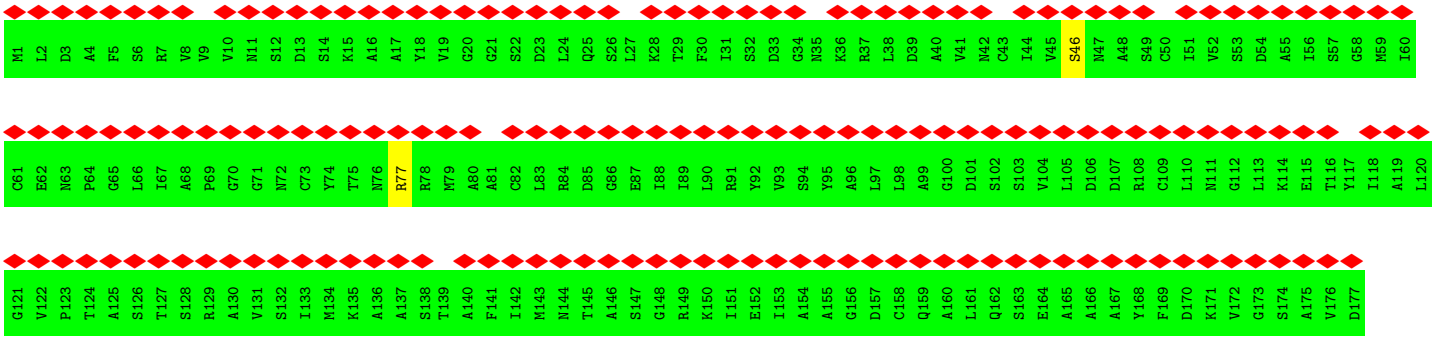




• Molecule 11: R-phycoerythrin beta chain

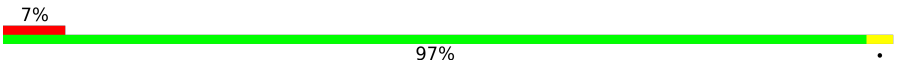
Chain Z3:

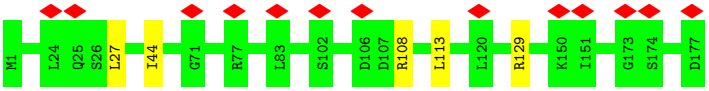




• Molecule 11: R-phycoerythrin beta chain

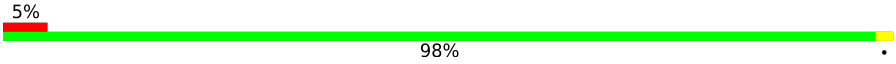
Chain f3:

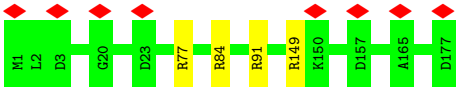




• Molecule 11: R-phycoerythrin beta chain

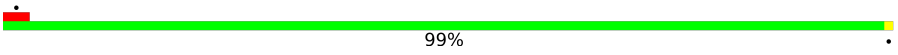
Chain h3:

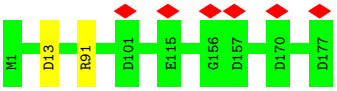




• Molecule 11: R-phycoerythrin beta chain

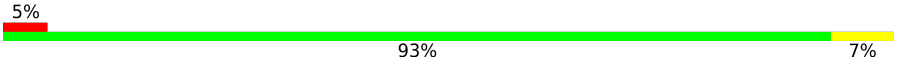
Chain j3:

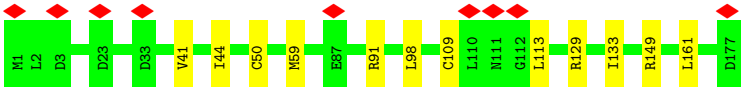




• Molecule 11: R-phycoerythrin beta chain

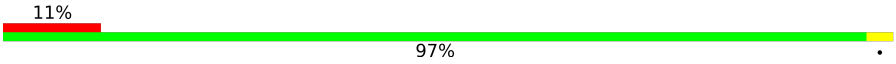
Chain l3:

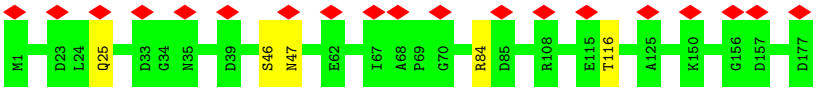




• Molecule 11: R-phycoerythrin beta chain

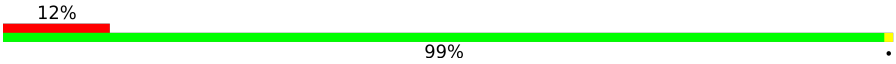
Chain n3:





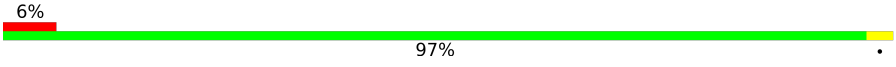
• Molecule 11: R-phycoerythrin beta chain

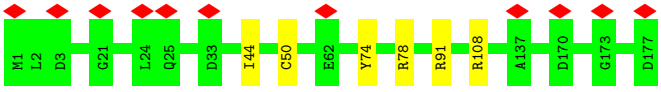
Chain p3:



• Molecule 11: R-phycoerythrin beta chain

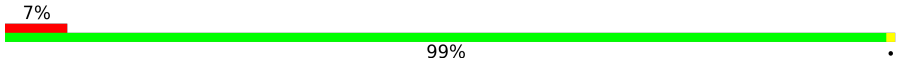
Chain r3:

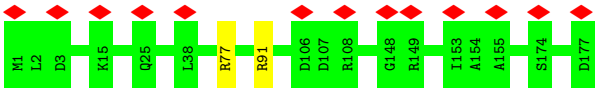




• Molecule 11: R-phycoerythrin beta chain

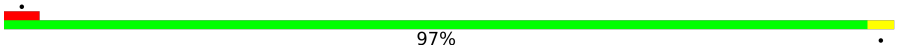
Chain t3:

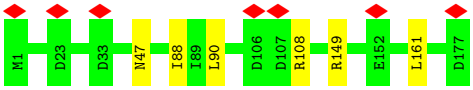




• Molecule 11: R-phycoerythrin beta chain

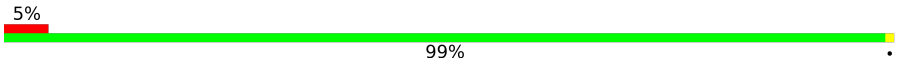
Chain v3:

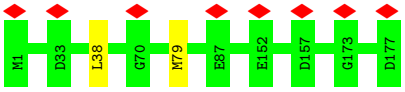




• Molecule 11: R-phycoerythrin beta chain

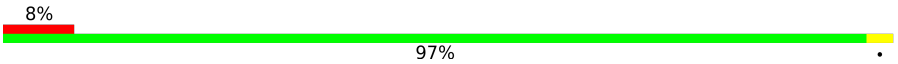
Chain x3:

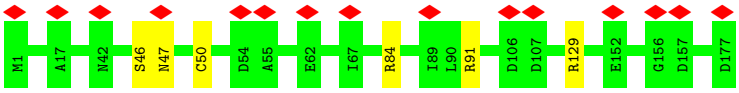




• Molecule 11: R-phycoerythrin beta chain

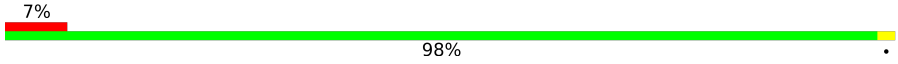
Chain z3:

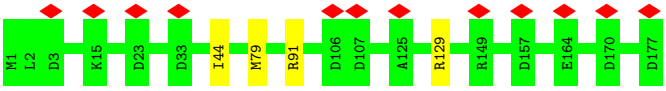




• Molecule 11: R-phycoerythrin beta chain

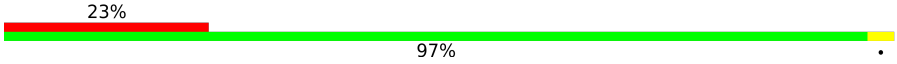
Chain B4:

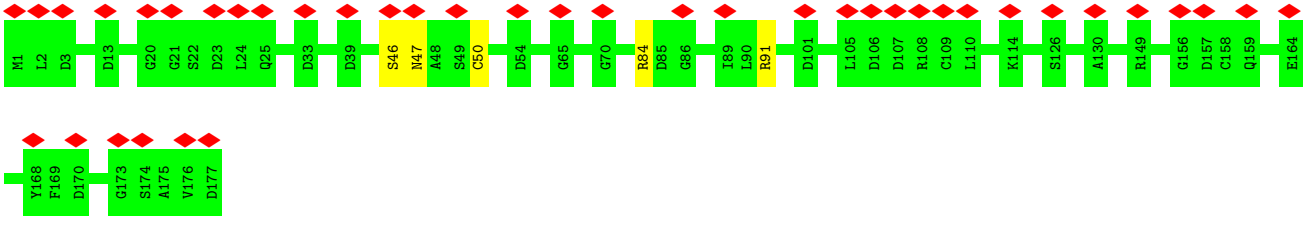




• Molecule 11: R-phycoerythrin beta chain

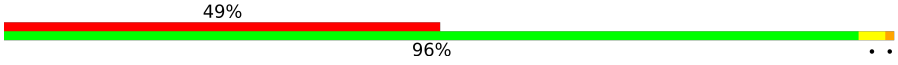
Chain D4:

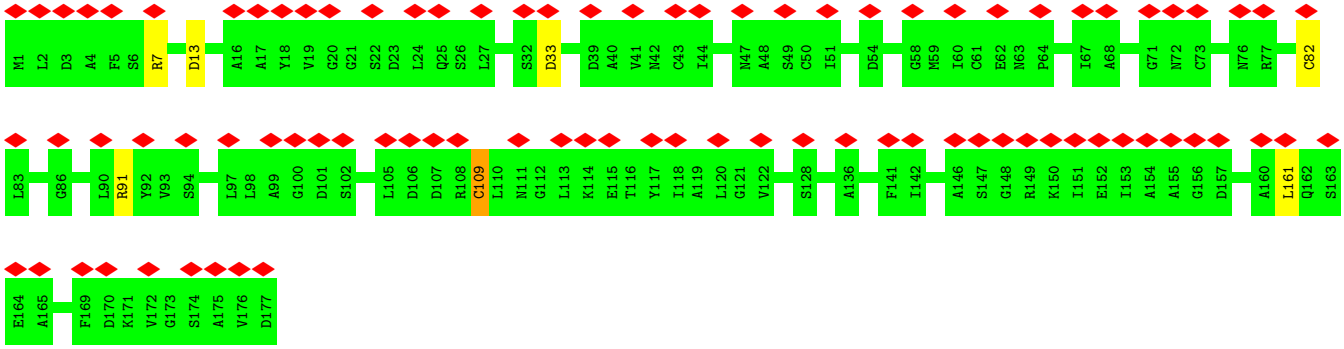




• Molecule 11: R-phycoerythrin beta chain

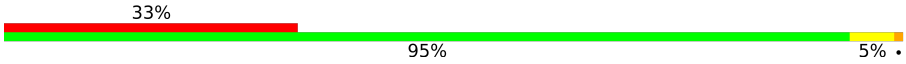
Chain F4:

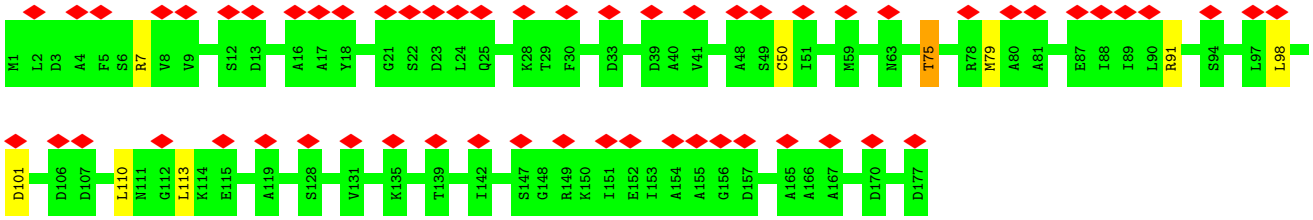




• Molecule 11: R-phycoerythrin beta chain

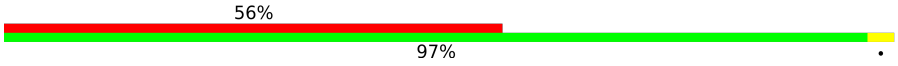
Chain H4:

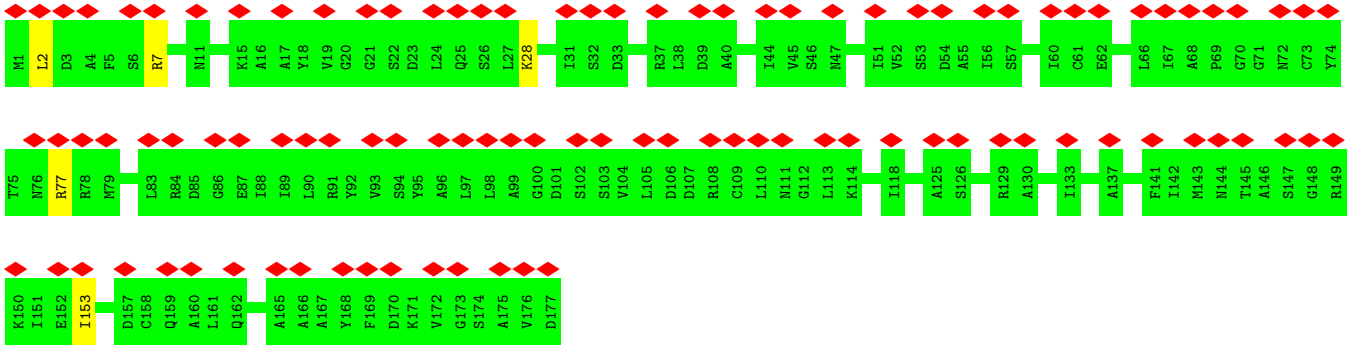




• Molecule 11: R-phycoerythrin beta chain

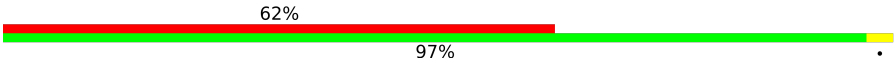
Chain J4:

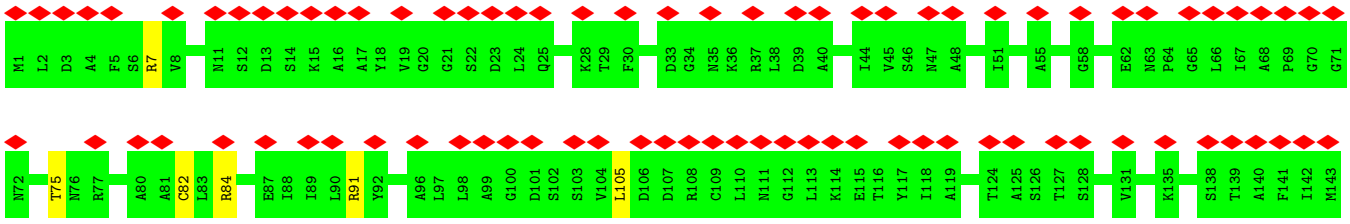


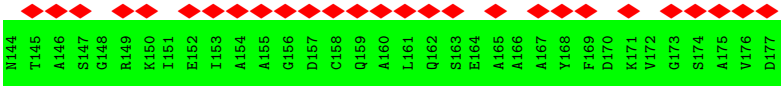


• Molecule 11: R-phycoerythrin beta chain

Chain L4:

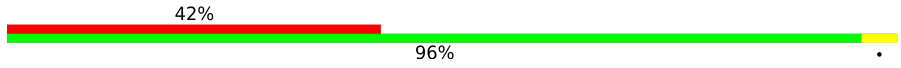


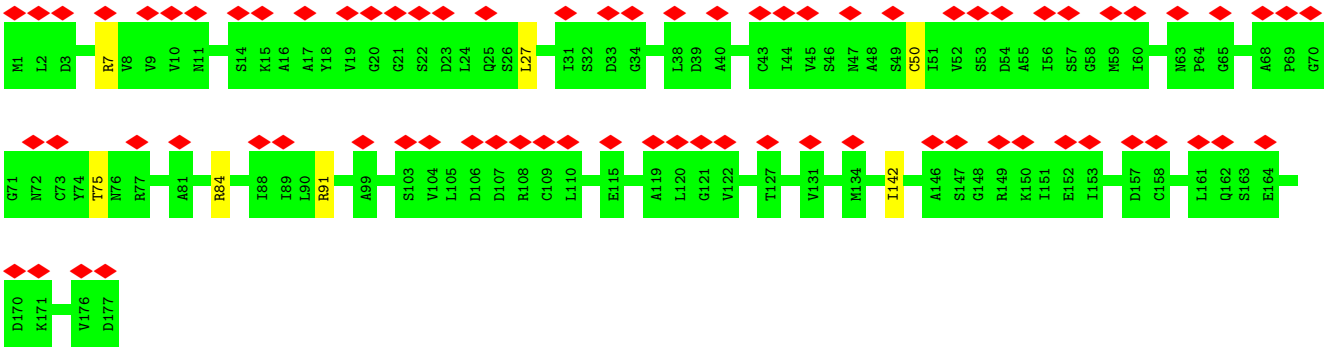




• Molecule 11: R-phycoerythrin beta chain

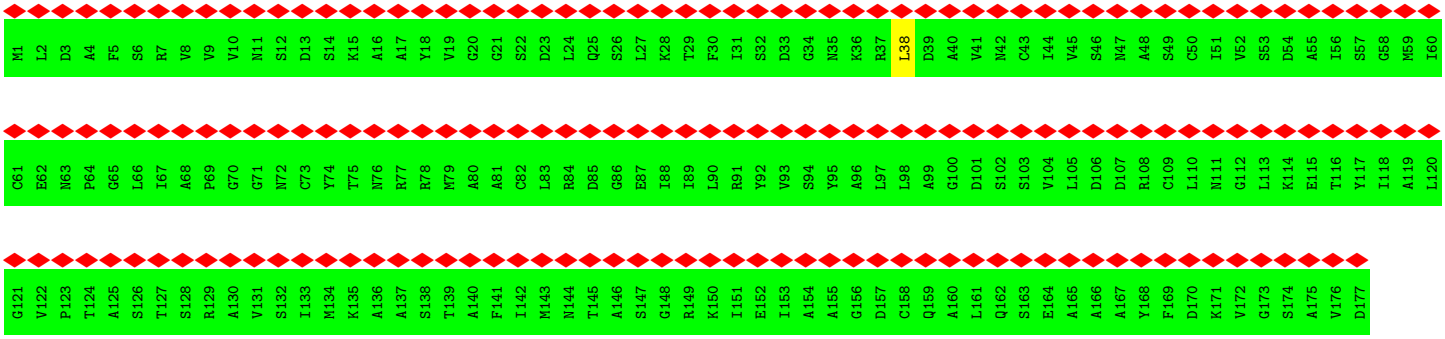
Chain N4:





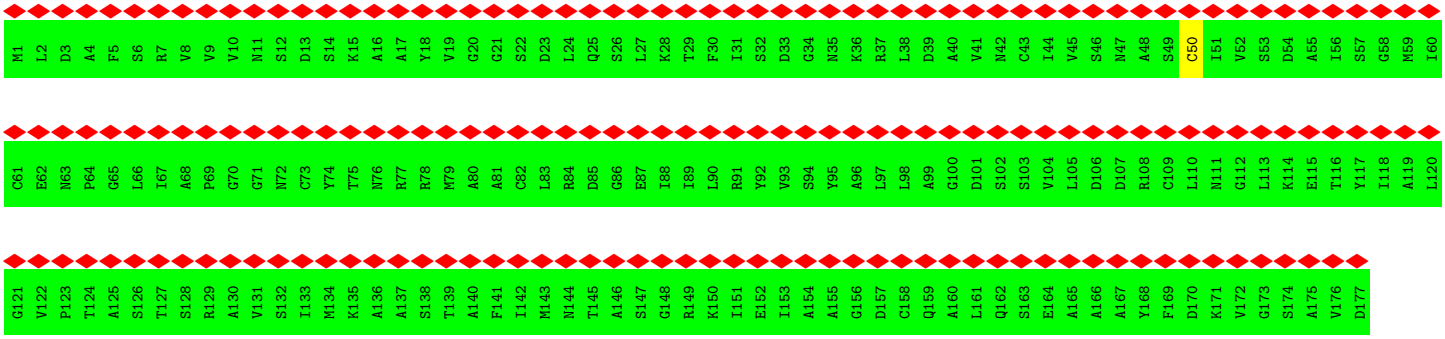
• Molecule 11: R-phycoerythrin beta chain

Chain P4:



• Molecule 11: R-phycoerythrin beta chain

Chain R4:



• Molecule 11: R-phycoerythrin beta chain

Chain T4:

M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain V4:

M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain X4:

M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

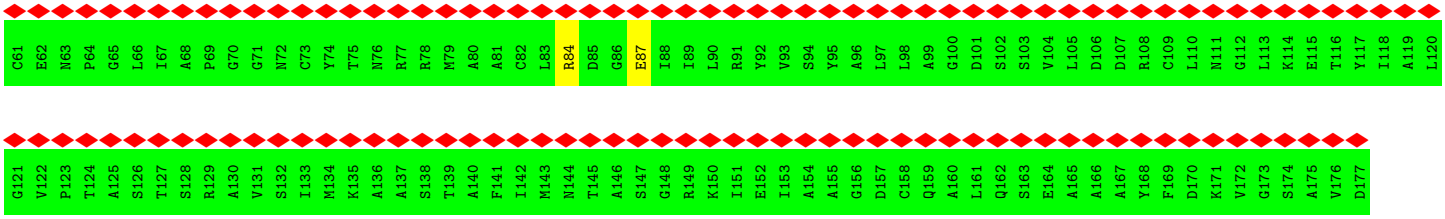
C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

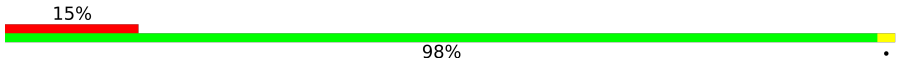
Chain Z4:

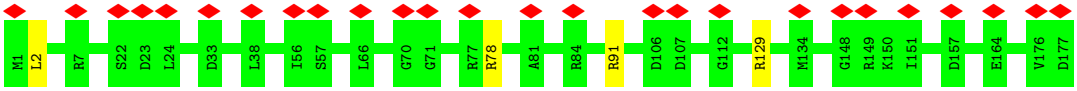
M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60



• Molecule 11: R-phycoerythrin beta chain

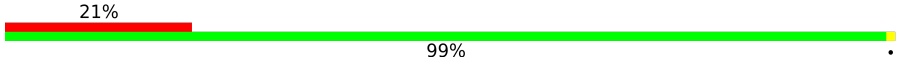
Chain n4:

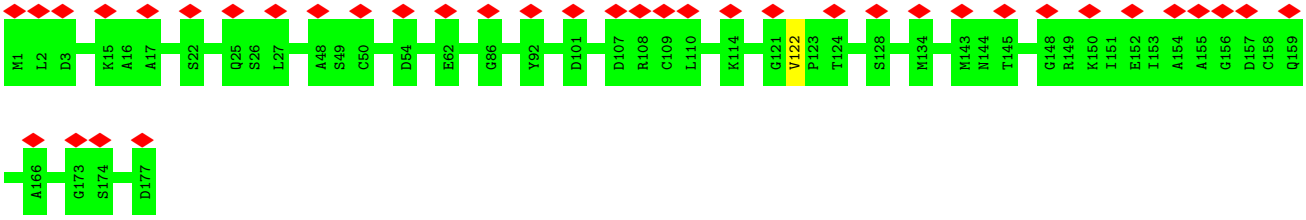




• Molecule 11: R-phycoerythrin beta chain

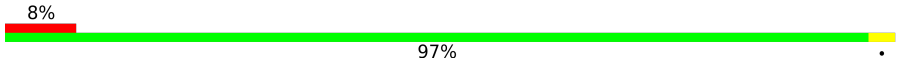
Chain p4:

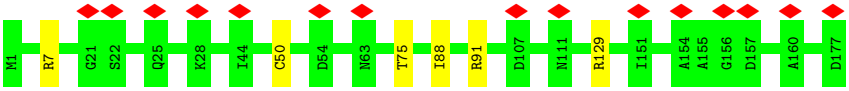




• Molecule 11: R-phycoerythrin beta chain

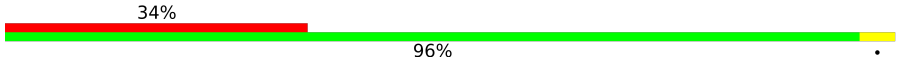
Chain r4:

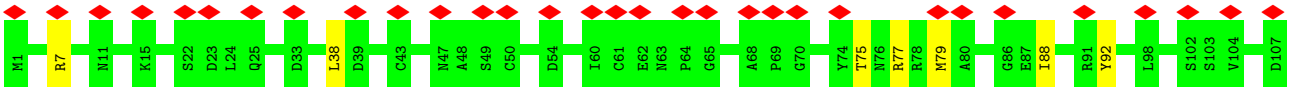




• Molecule 11: R-phycoerythrin beta chain

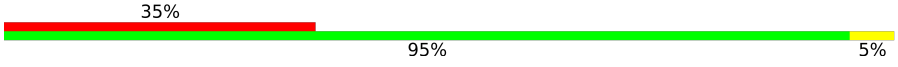
Chain t4:

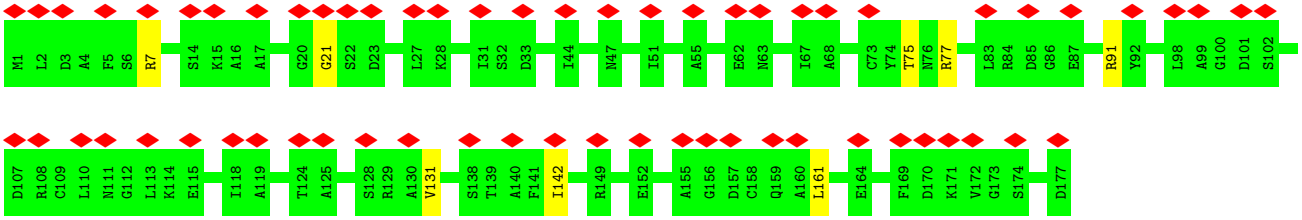




• Molecule 11: R-phycoerythrin beta chain

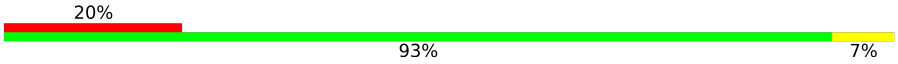
Chain v4:

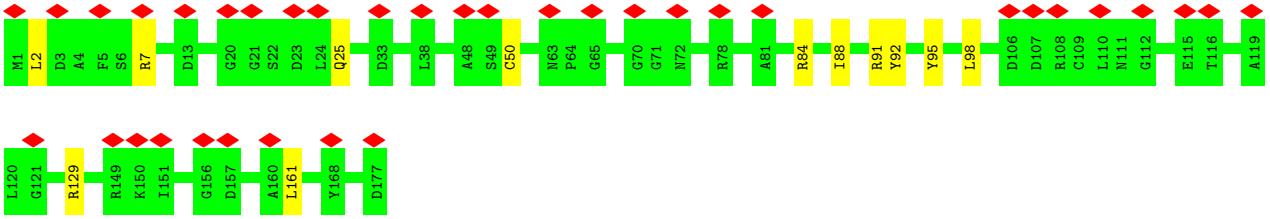




• Molecule 11: R-phycoerythrin beta chain

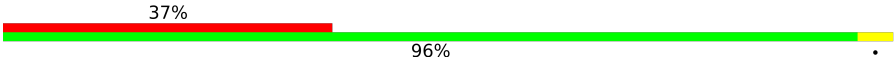
Chain x4:

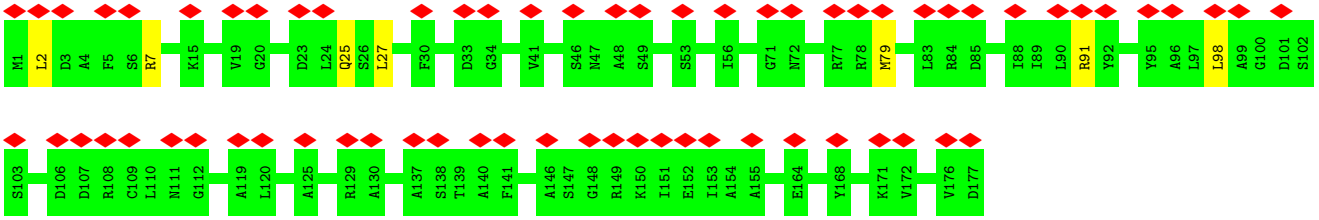




• Molecule 11: R-phycoerythrin beta chain

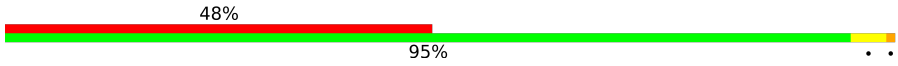
Chain z4:

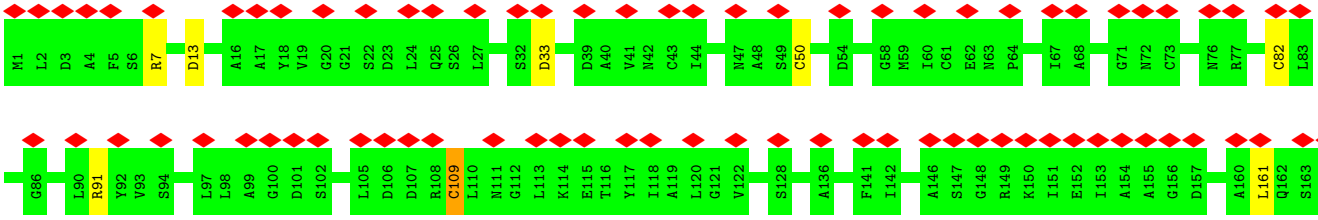




• Molecule 11: R-phycoerythrin beta chain

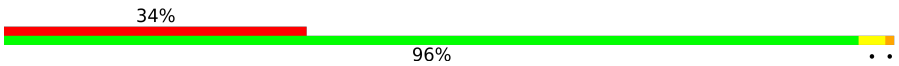
Chain B5:

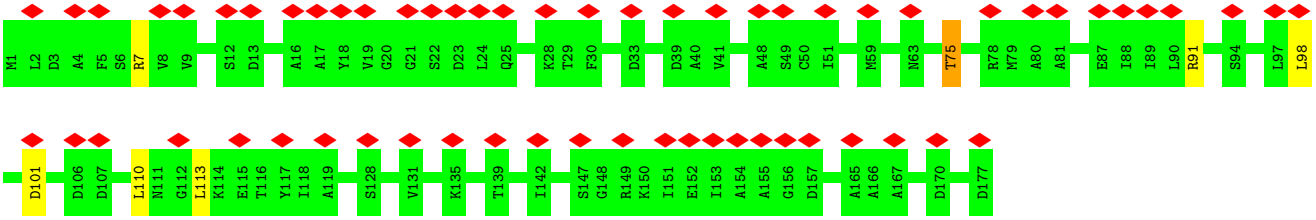




• Molecule 11: R-phycoerythrin beta chain

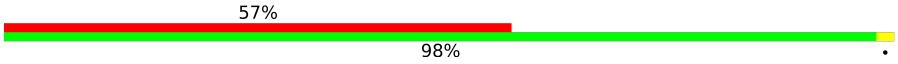
Chain D5:

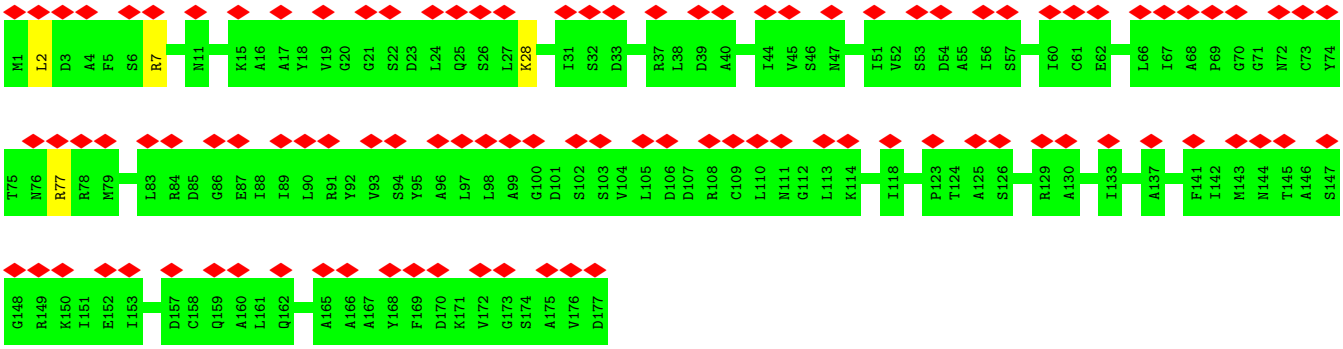




• Molecule 11: R-phycoerythrin beta chain

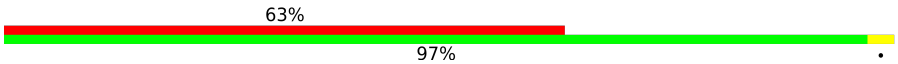
Chain F5:

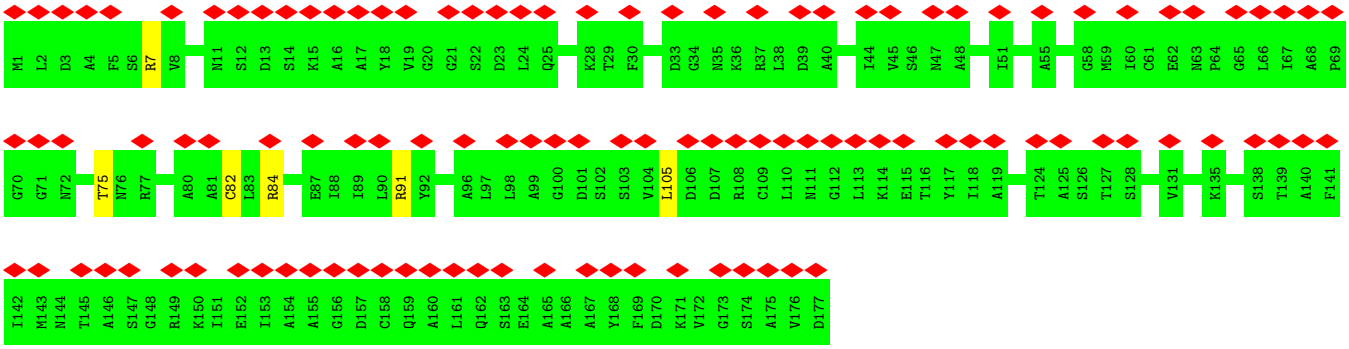




• Molecule 11: R-phycoerythrin beta chain

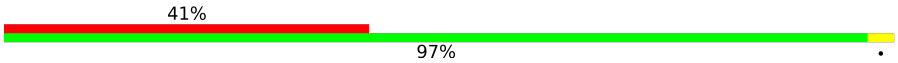
Chain H5:

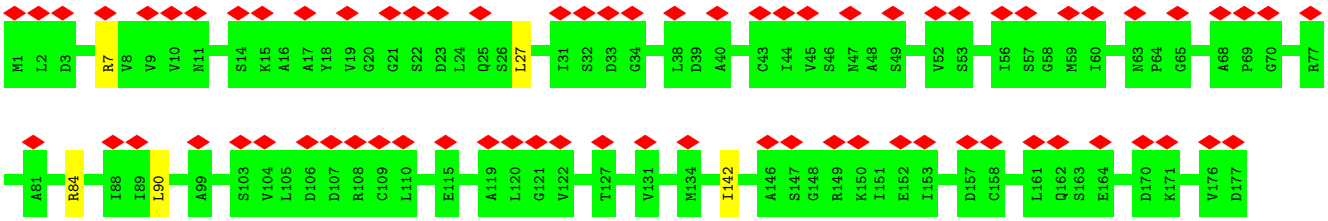




• Molecule 11: R-phycoerythrin beta chain

Chain J5:





• Molecule 11: R-phycoerythrin beta chain

Chain L5:

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C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain N5:

M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain P5:

M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain R5:

M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain T5:

M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain V5:

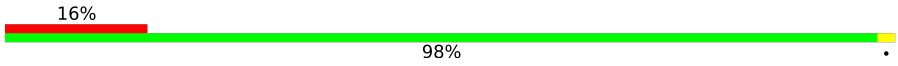
M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain n5:



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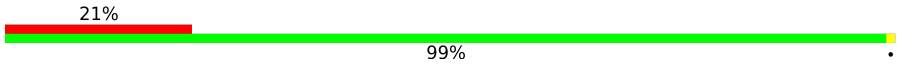
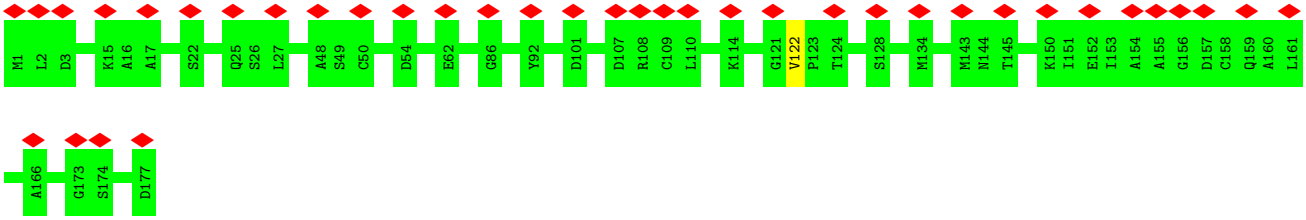
• Molecule 11: R-phycoerythrin beta chain

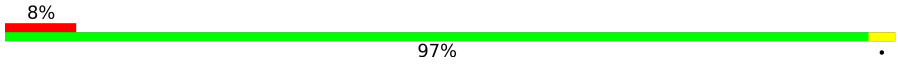
Chain p5:

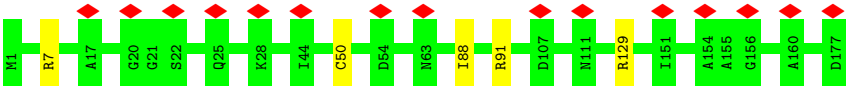




• Molecule 11: R-phycoerythrin beta chain

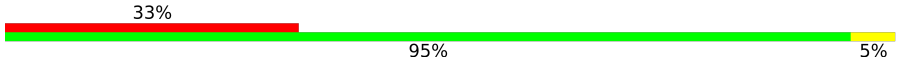
Chain r5:

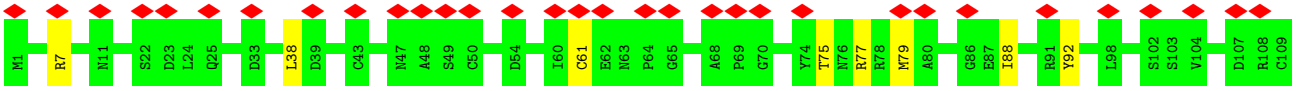


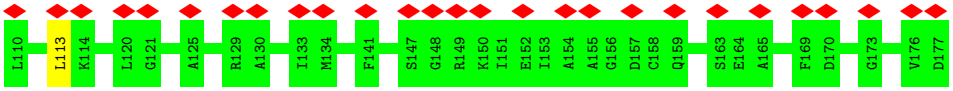


• Molecule 11: R-phycoerythrin beta chain

Chain t5:

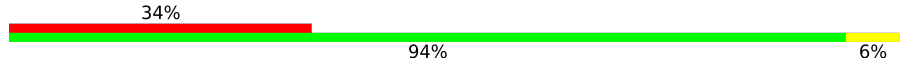


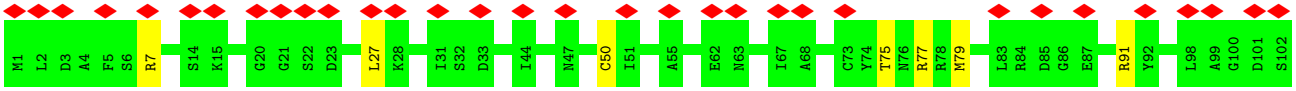


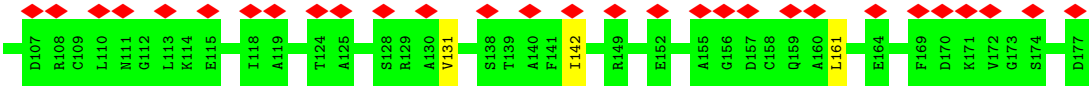


• Molecule 11: R-phycoerythrin beta chain

Chain v5:

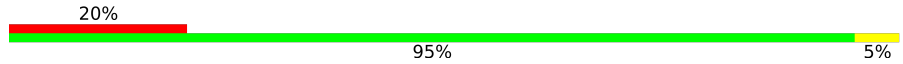


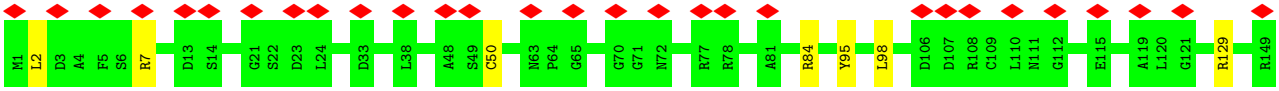


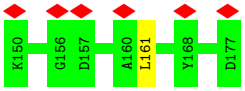


• Molecule 11: R-phycoerythrin beta chain

Chain x5:

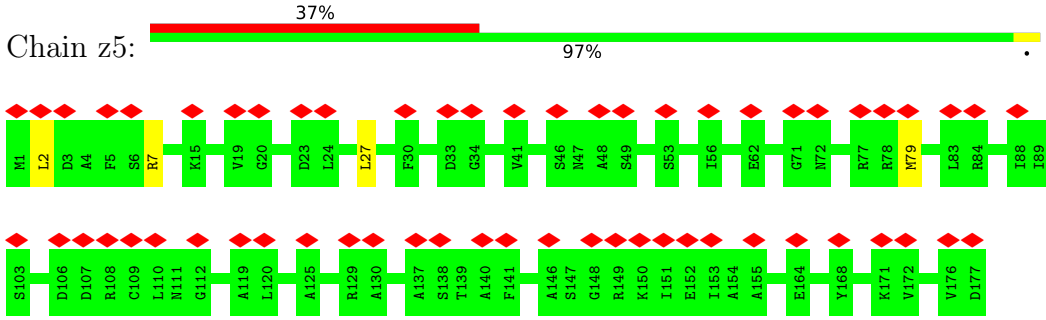






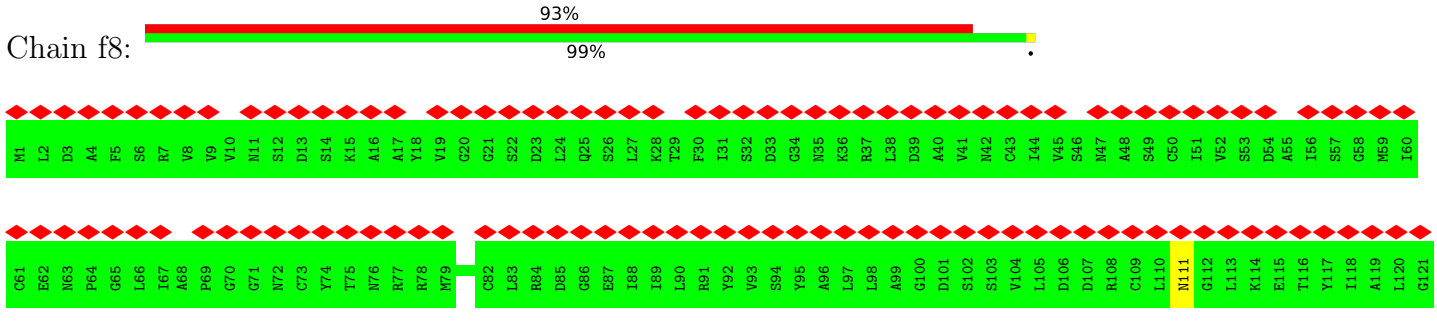
• Molecule 11: R-phycoerythrin beta chain

Chain z5:



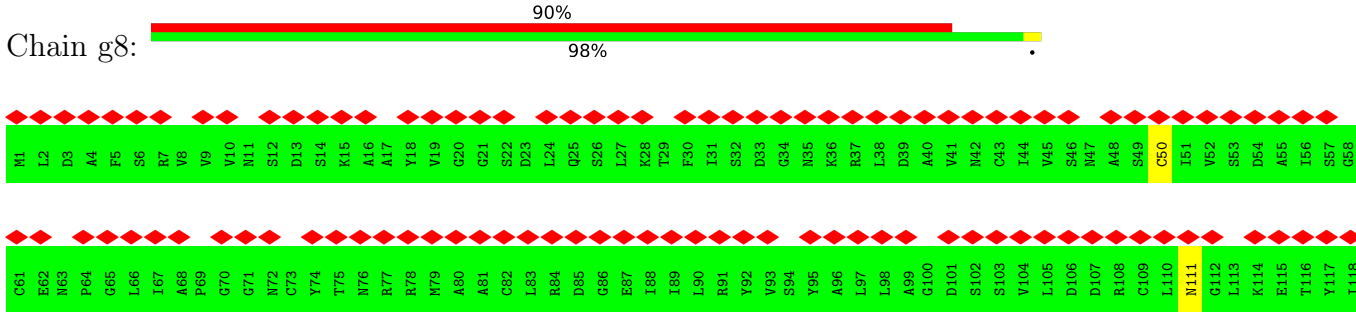
• Molecule 11: R-phycoerythrin beta chain

Chain f8:



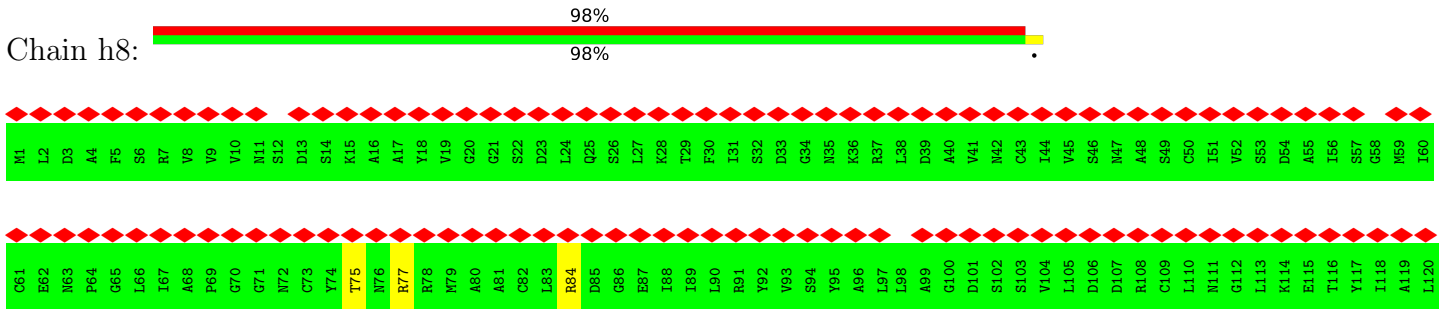
• Molecule 11: R-phycoerythrin beta chain

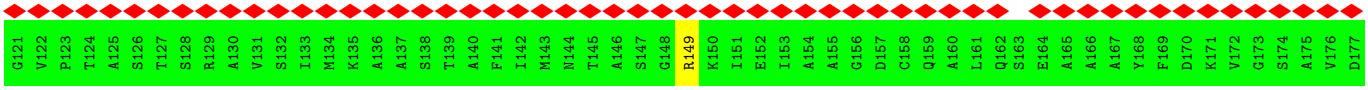
Chain g8:



• Molecule 11: R-phycoerythrin beta chain

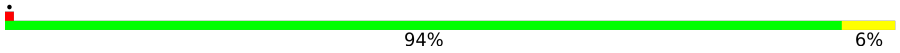
Chain h8:





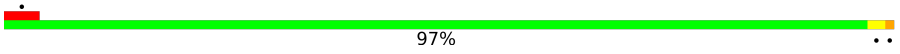
• Molecule 11: R-phycoerythrin beta chain

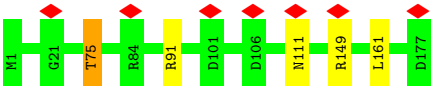
Chain B6:



• Molecule 11: R-phycoerythrin beta chain

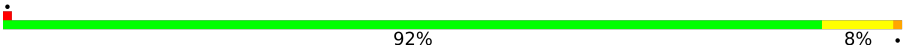
Chain D6:

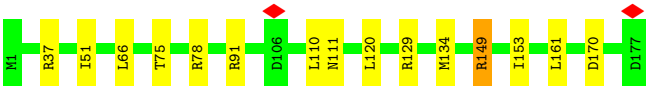




• Molecule 11: R-phycoerythrin beta chain

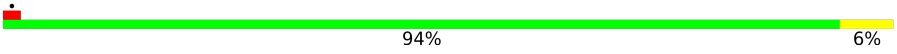
Chain F6:

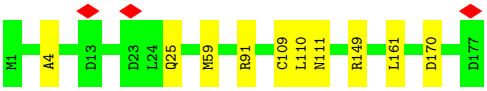




• Molecule 11: R-phycoerythrin beta chain

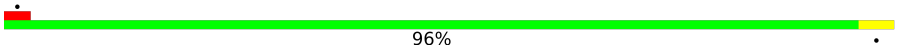
Chain H6:

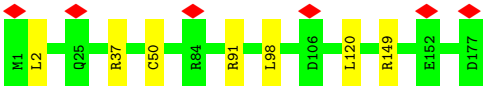




• Molecule 11: R-phycoerythrin beta chain

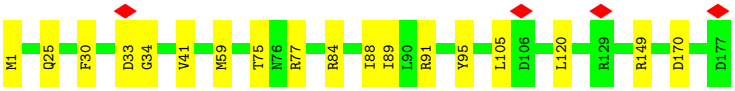
Chain J6:





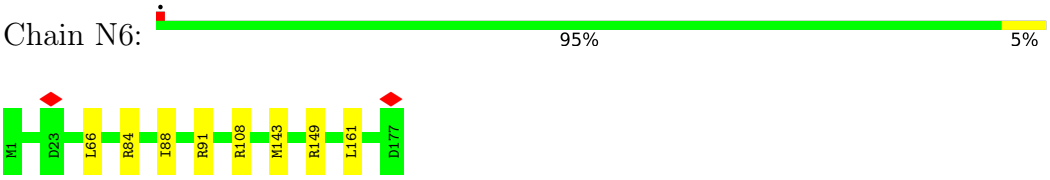
• Molecule 11: R-phycoerythrin beta chain

Chain L6:



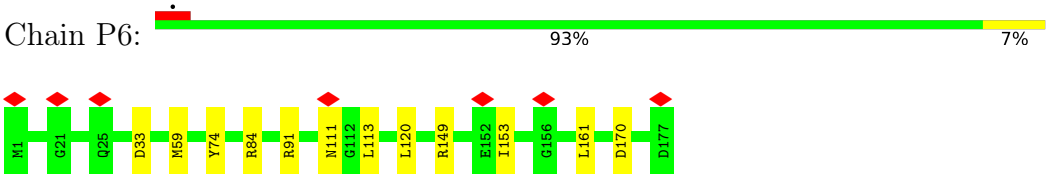
• Molecule 11: R-phycoerythrin beta chain

Chain N6:



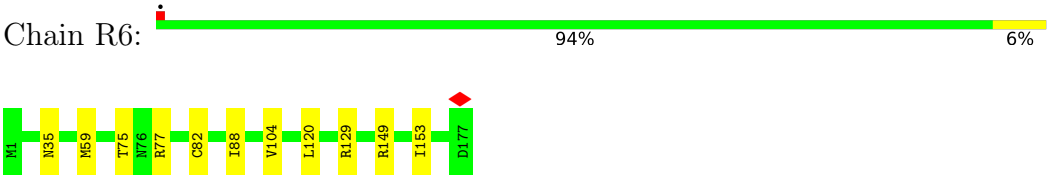
• Molecule 11: R-phycoerythrin beta chain

Chain P6:



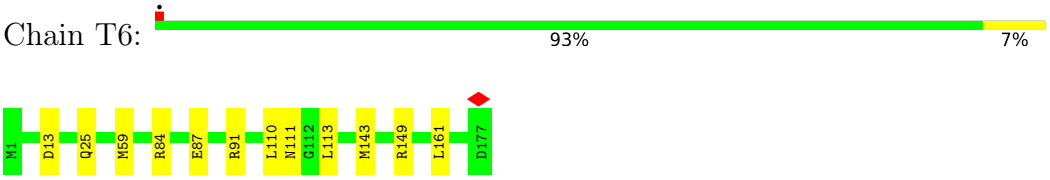
• Molecule 11: R-phycoerythrin beta chain

Chain R6:



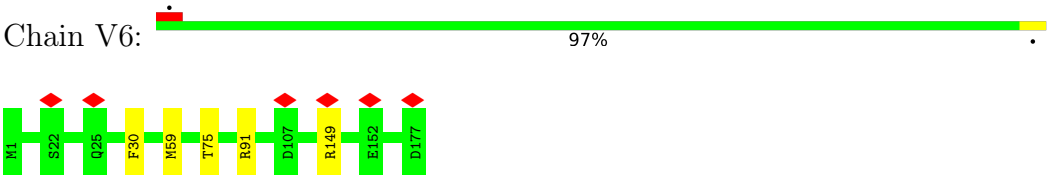
• Molecule 11: R-phycoerythrin beta chain

Chain T6:



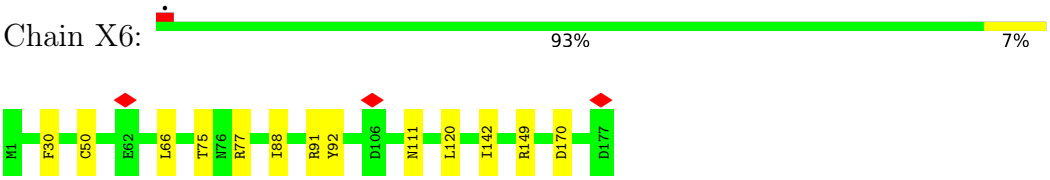
• Molecule 11: R-phycoerythrin beta chain

Chain V6:



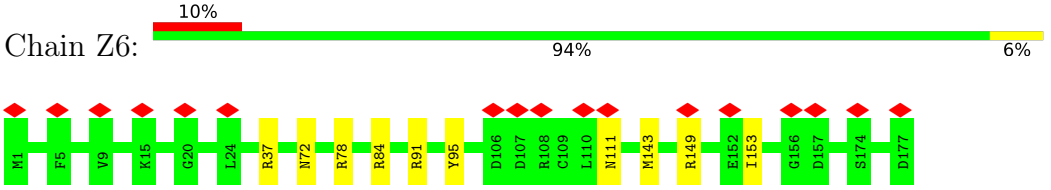
• Molecule 11: R-phycoerythrin beta chain

Chain X6:



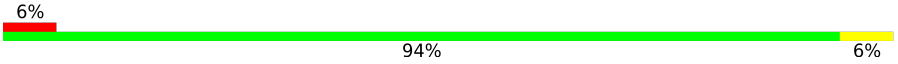
• Molecule 11: R-phycoerythrin beta chain

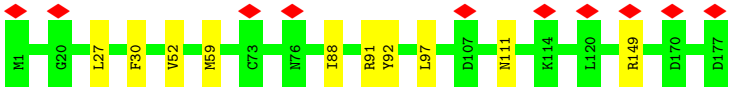
Chain Z6:



• Molecule 11: R-phycoerythrin beta chain

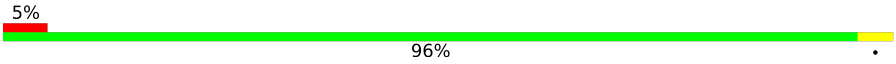
Chain a6:

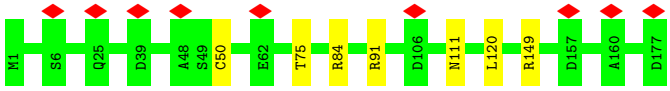




• Molecule 11: R-phycoerythrin beta chain

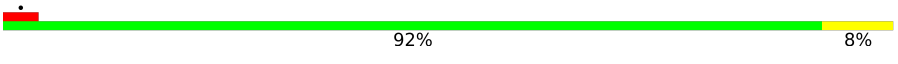
Chain b6:

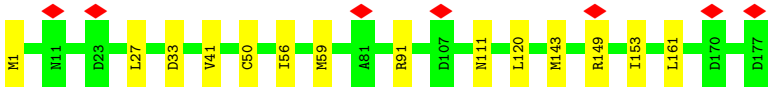




• Molecule 11: R-phycoerythrin beta chain

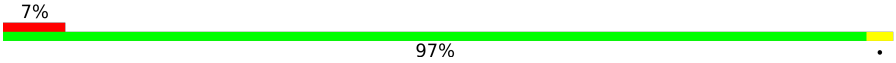
Chain c6:

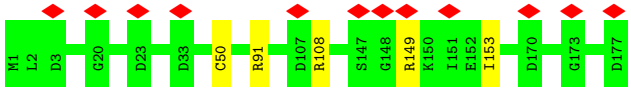




• Molecule 11: R-phycoerythrin beta chain

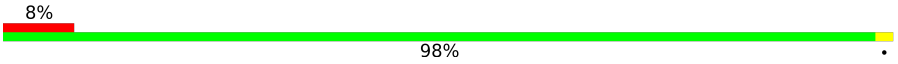
Chain d6:

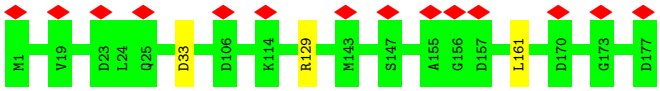




• Molecule 11: R-phycoerythrin beta chain

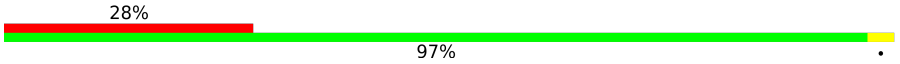
Chain e6:

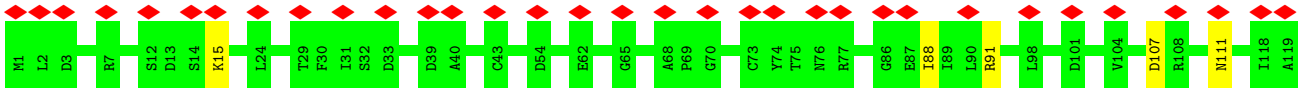


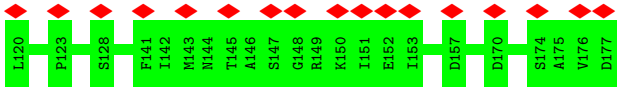


• Molecule 11: R-phycoerythrin beta chain

Chain l6:

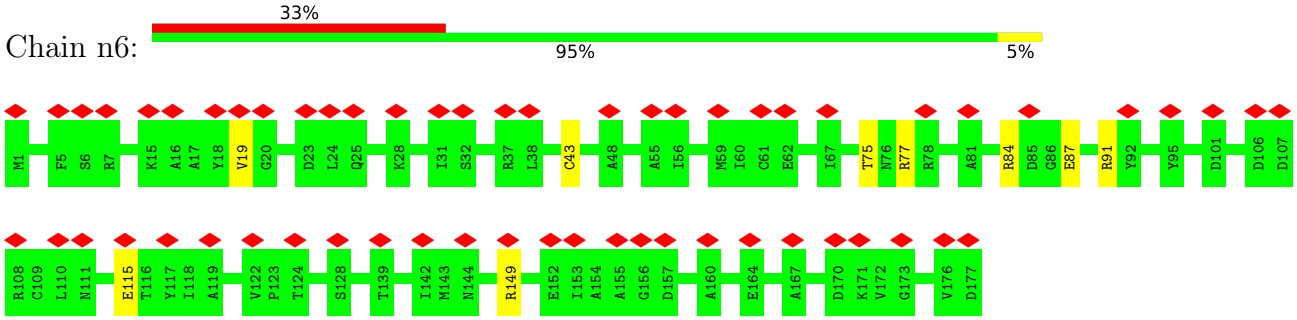






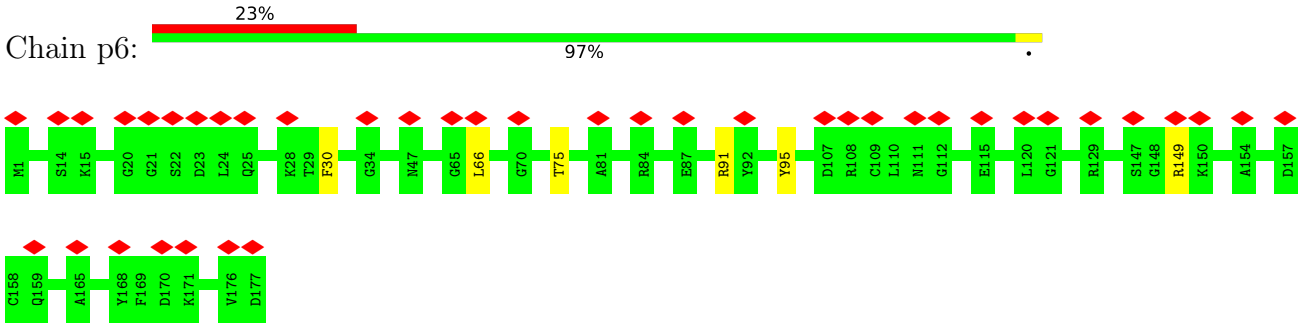
• Molecule 11: R-phycoerythrin beta chain

Chain n6:



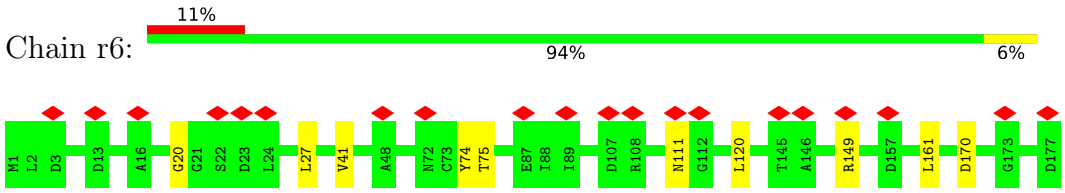
• Molecule 11: R-phycoerythrin beta chain

Chain p6:



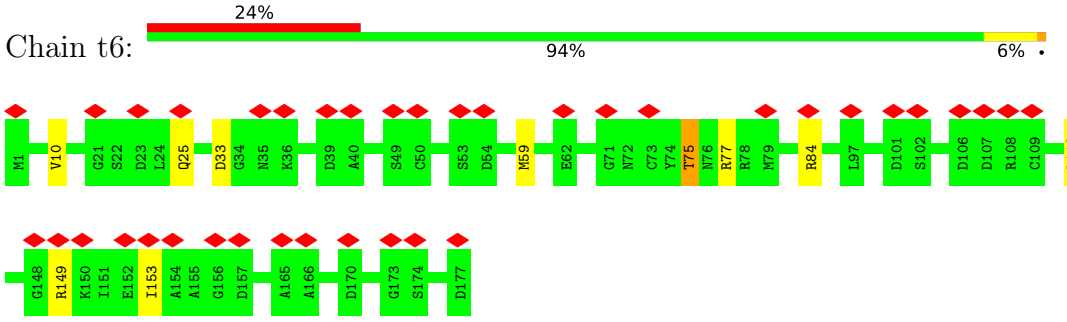
• Molecule 11: R-phycoerythrin beta chain

Chain r6:



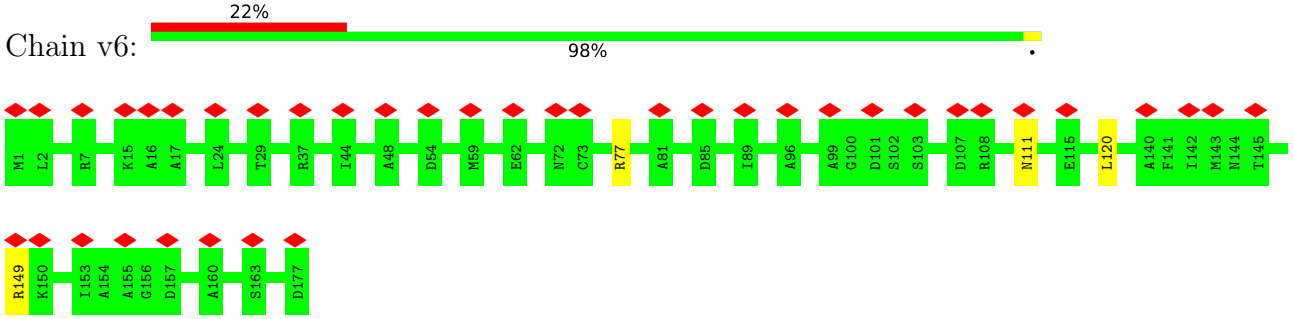
• Molecule 11: R-phycoerythrin beta chain

Chain t6:



• Molecule 11: R-phycoerythrin beta chain

Chain v6:



• Molecule 11: R-phycoerythrin beta chain

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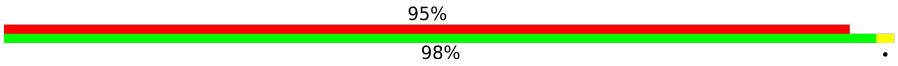

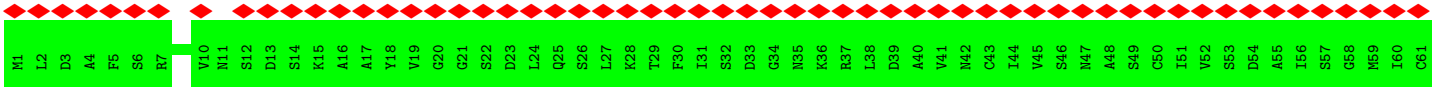

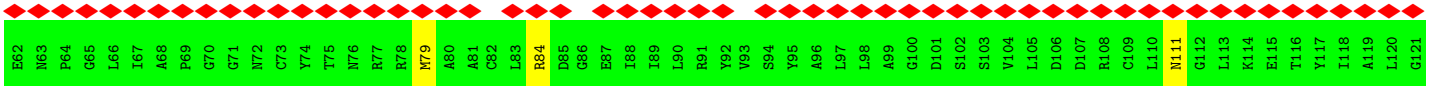

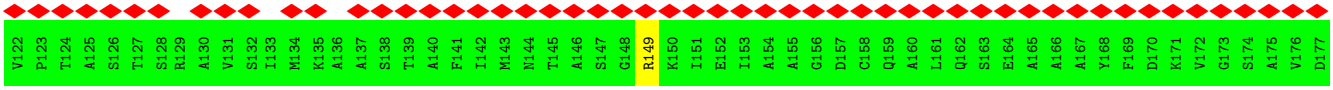

• Molecule 11: R-phycoerythrin beta chain

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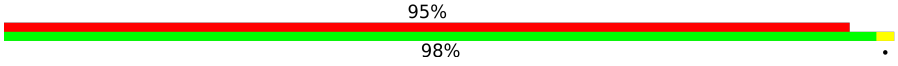
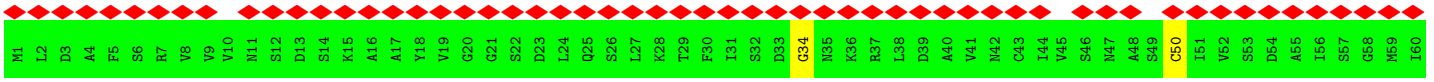
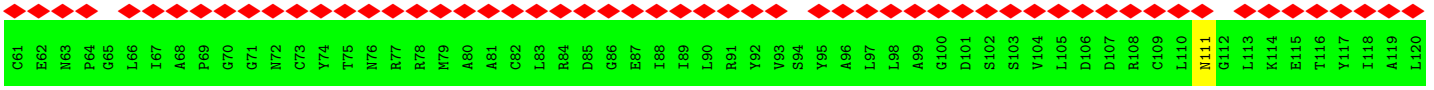
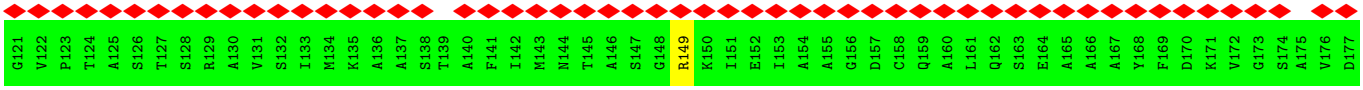


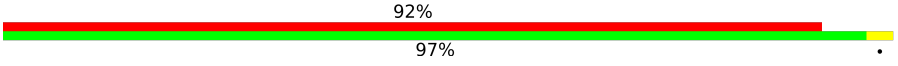


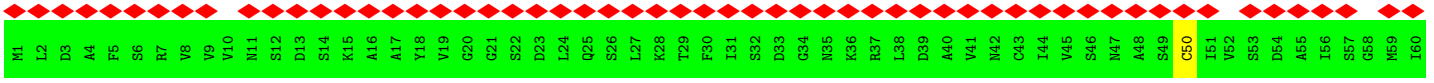


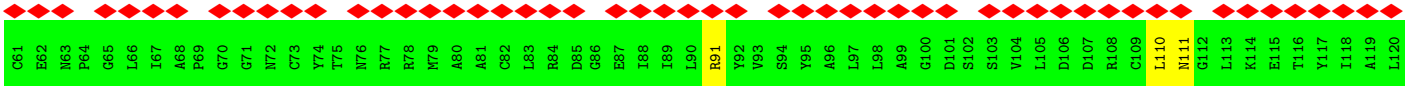


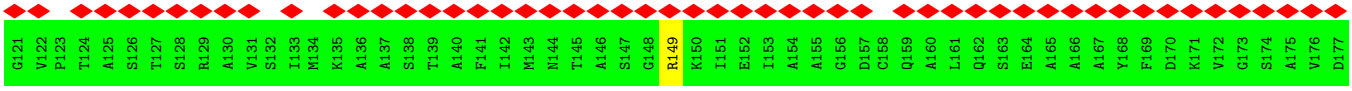
• Molecule 11: R-phycoerythrin beta chain

Chain z6:



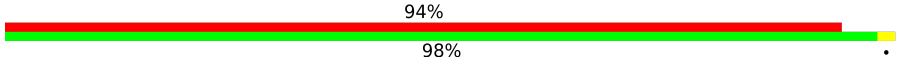


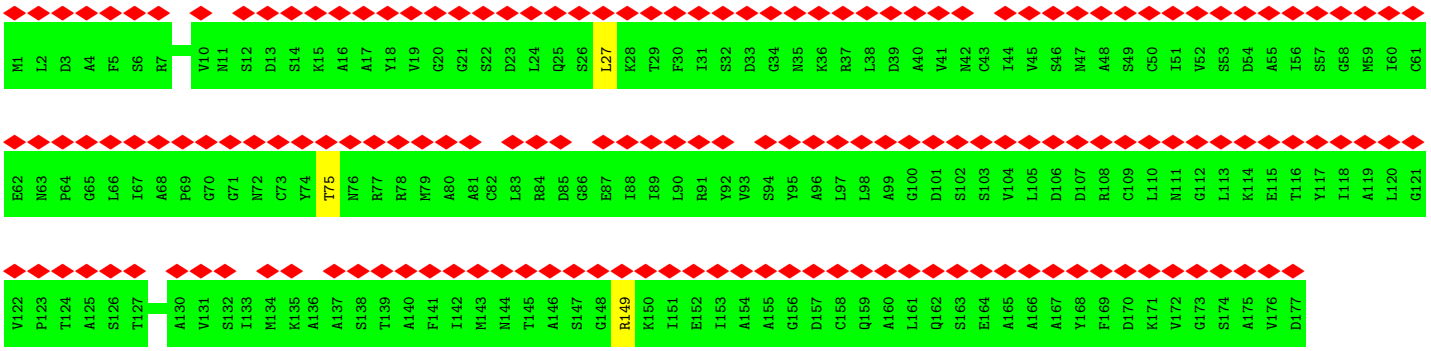




• Molecule 11: R-phycoerythrin beta chain

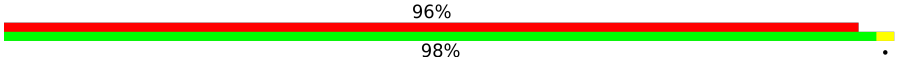
Chain n8:

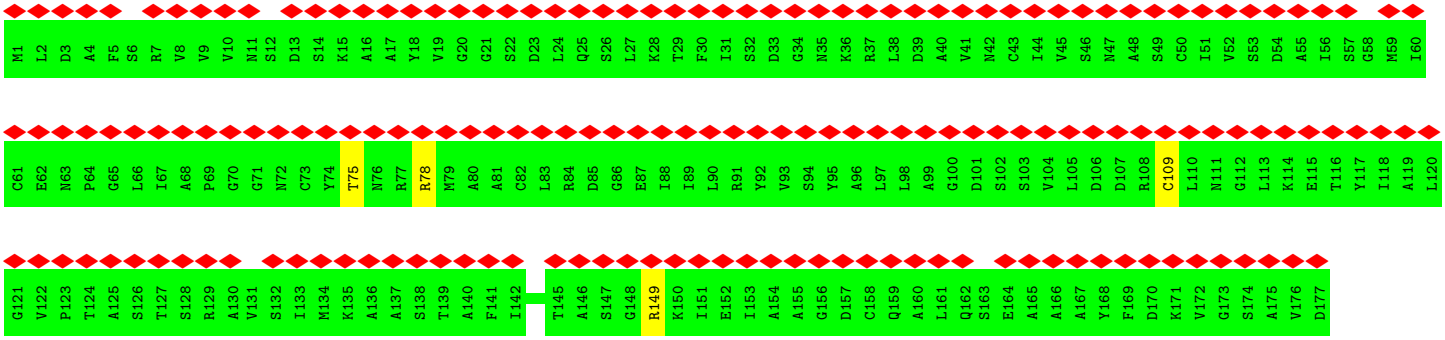




• Molecule 11: R-phycoerythrin beta chain

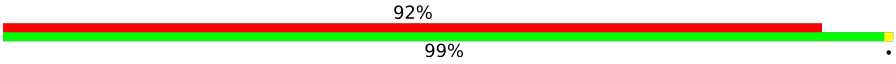
Chain o8:

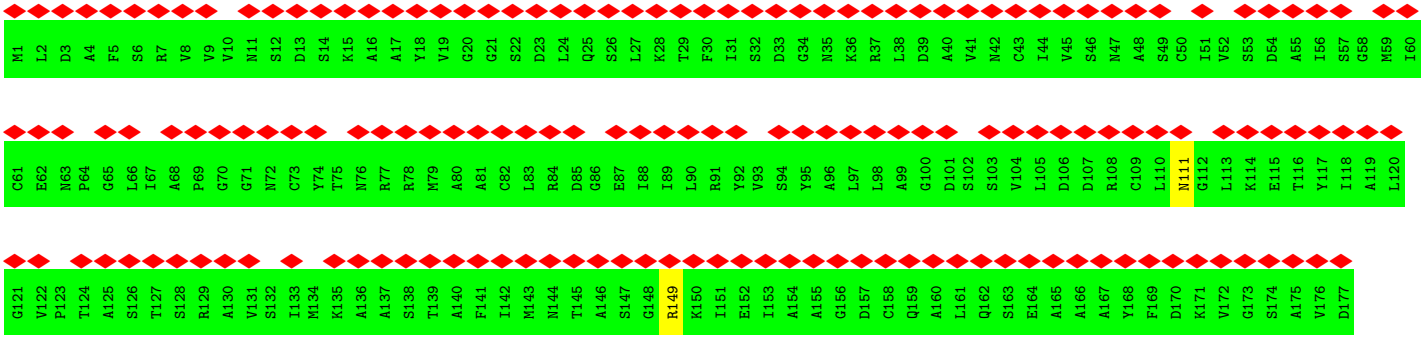




• Molecule 11: R-phycoerythrin beta chain

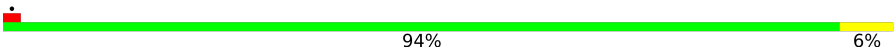
Chain p8:

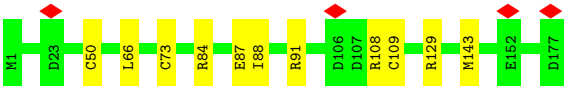




• Molecule 11: R-phycoerythrin beta chain

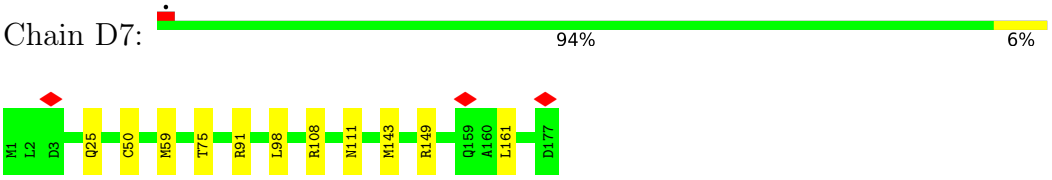
Chain B7:





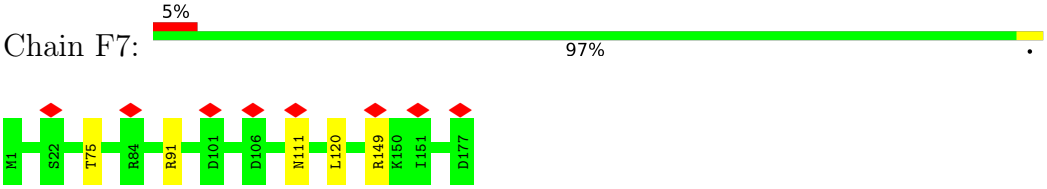
• Molecule 11: R-phycoerythrin beta chain

Chain D7:



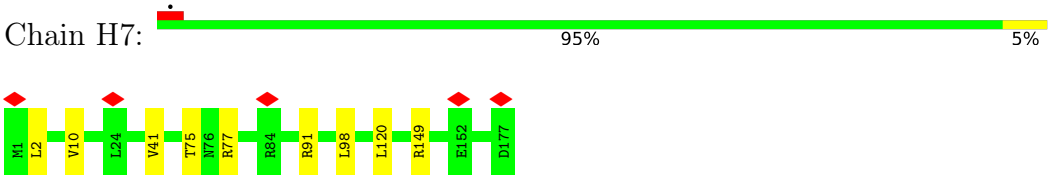
• Molecule 11: R-phycoerythrin beta chain

Chain F7:



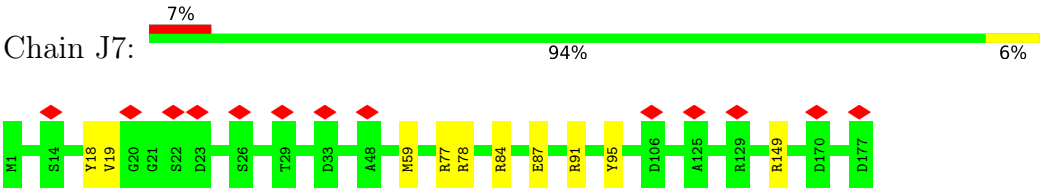
• Molecule 11: R-phycoerythrin beta chain

Chain H7:



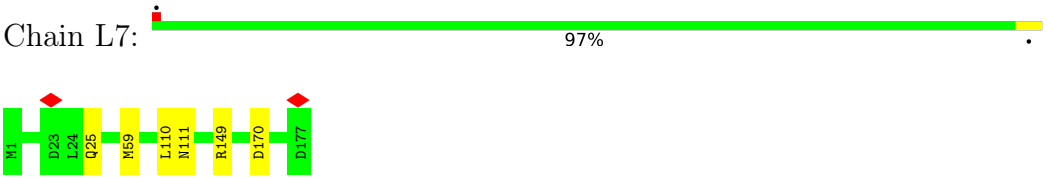
• Molecule 11: R-phycoerythrin beta chain

Chain J7:



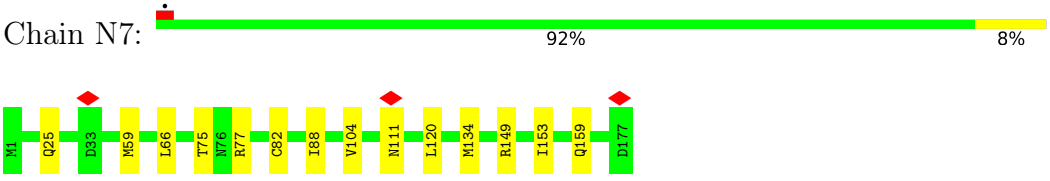
• Molecule 11: R-phycoerythrin beta chain

Chain L7:



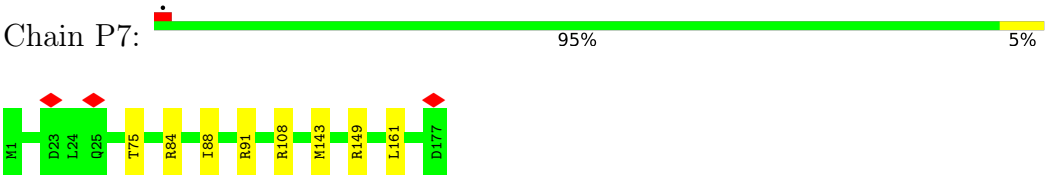
• Molecule 11: R-phycoerythrin beta chain

Chain N7:



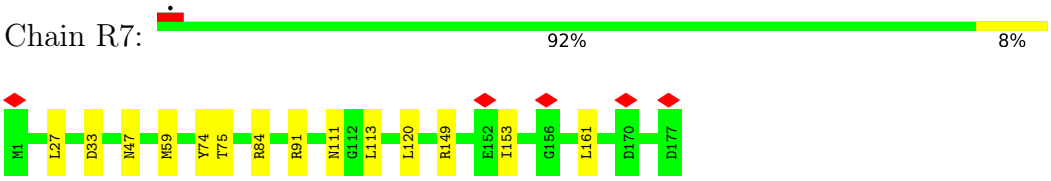
• Molecule 11: R-phycoerythrin beta chain

Chain P7:



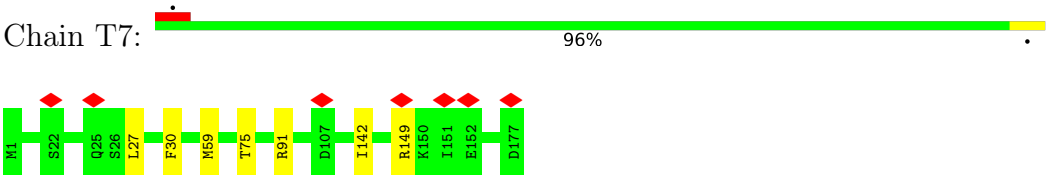
• Molecule 11: R-phycoerythrin beta chain

Chain R7:



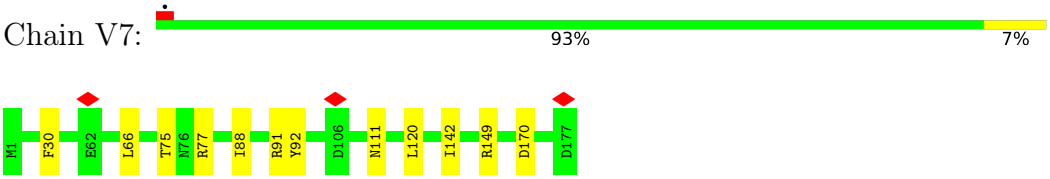
• Molecule 11: R-phycoerythrin beta chain

Chain T7:



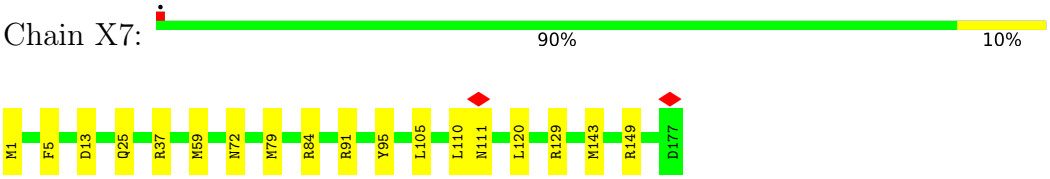
• Molecule 11: R-phycoerythrin beta chain

Chain V7:



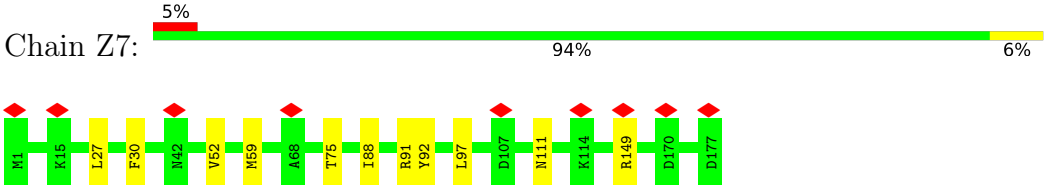
• Molecule 11: R-phycoerythrin beta chain

Chain X7:



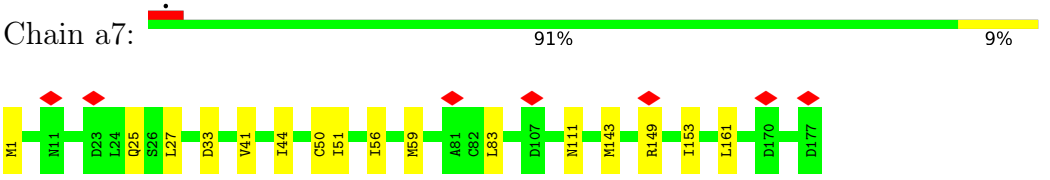
• Molecule 11: R-phycoerythrin beta chain

Chain Z7:



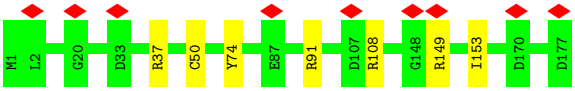
• Molecule 11: R-phycoerythrin beta chain

Chain a7:



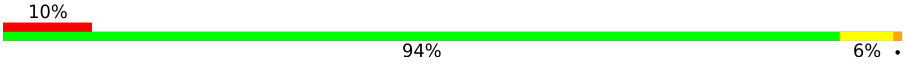
• Molecule 11: R-phycoerythrin beta chain

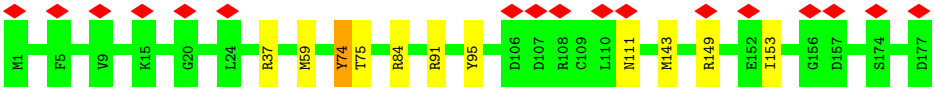
Chain b7:



• Molecule 11: R-phycoerythrin beta chain

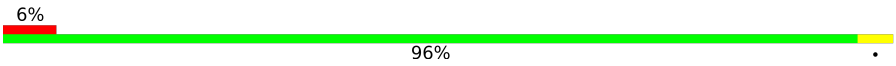
Chain c7:

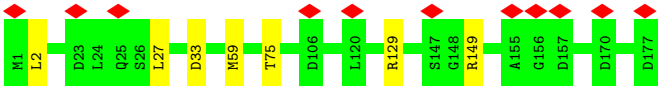




• Molecule 11: R-phycoerythrin beta chain

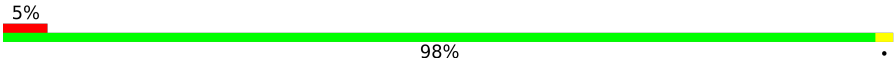
Chain d7:

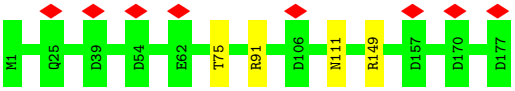




• Molecule 11: R-phycoerythrin beta chain

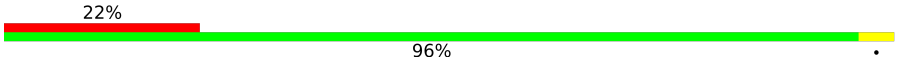
Chain e7:

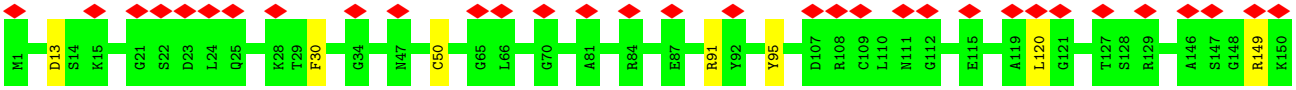


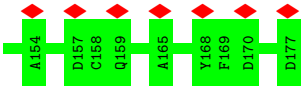


• Molecule 11: R-phycoerythrin beta chain

Chain l7:

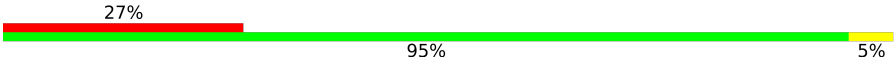


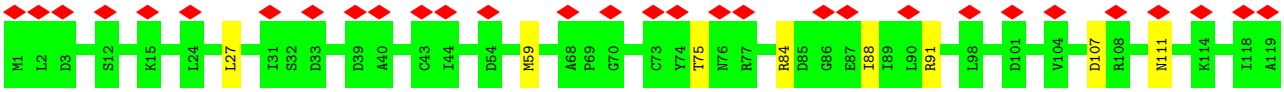


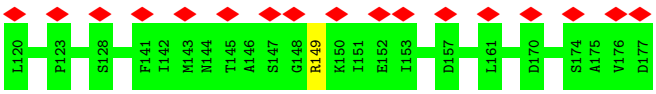


• Molecule 11: R-phycoerythrin beta chain

Chain n7:

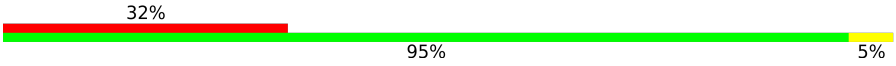


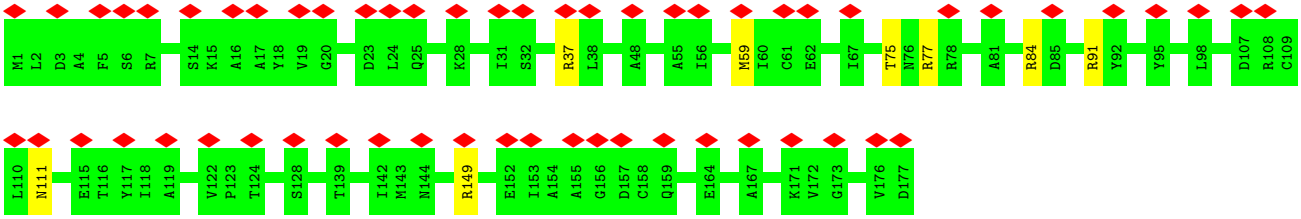




• Molecule 11: R-phycoerythrin beta chain

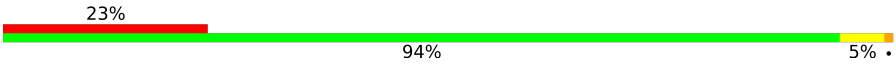
Chain p7:

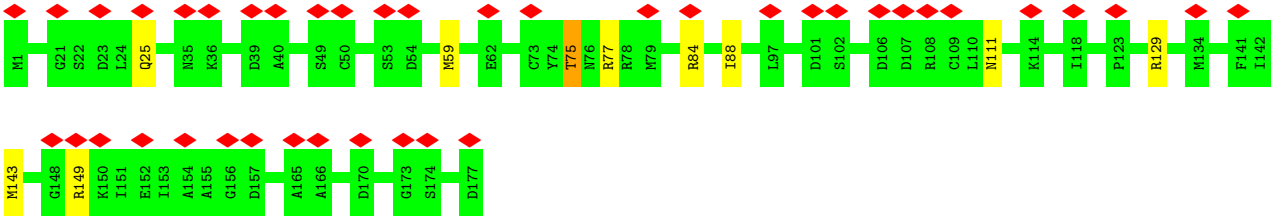




• Molecule 11: R-phycoerythrin beta chain

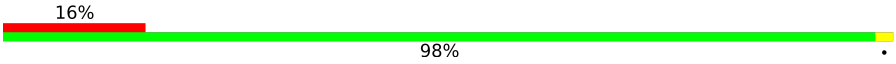
Chain r7:

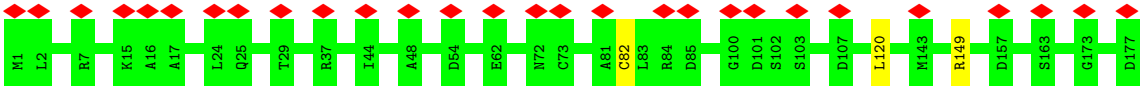




• Molecule 11: R-phycoerythrin beta chain

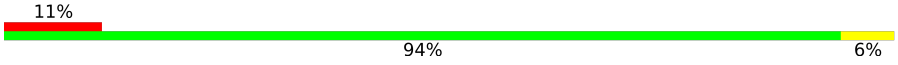
Chain t7:

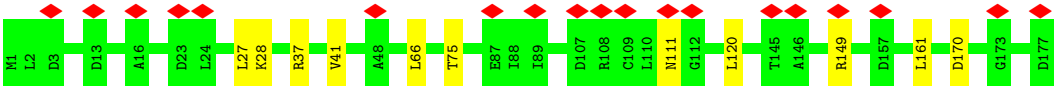




• Molecule 11: R-phycoerythrin beta chain

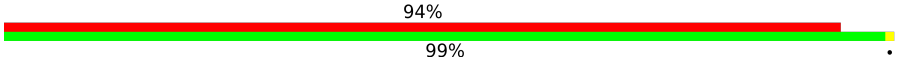
Chain v7:

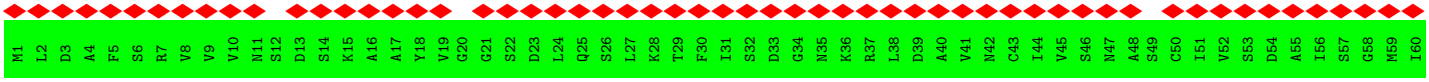


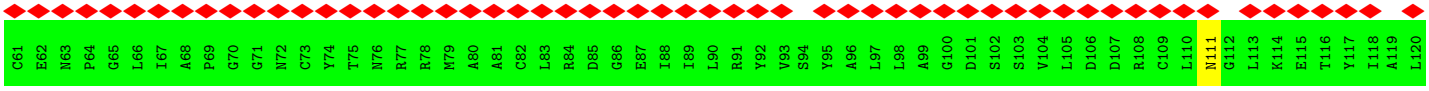


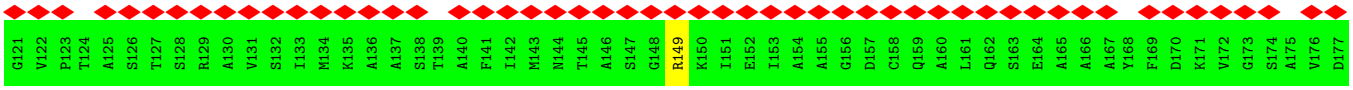
• Molecule 11: R-phycoerythrin beta chain

Chain x7:



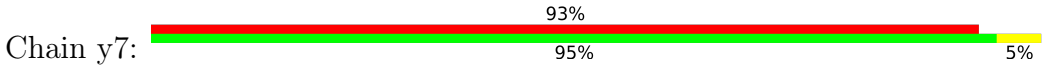


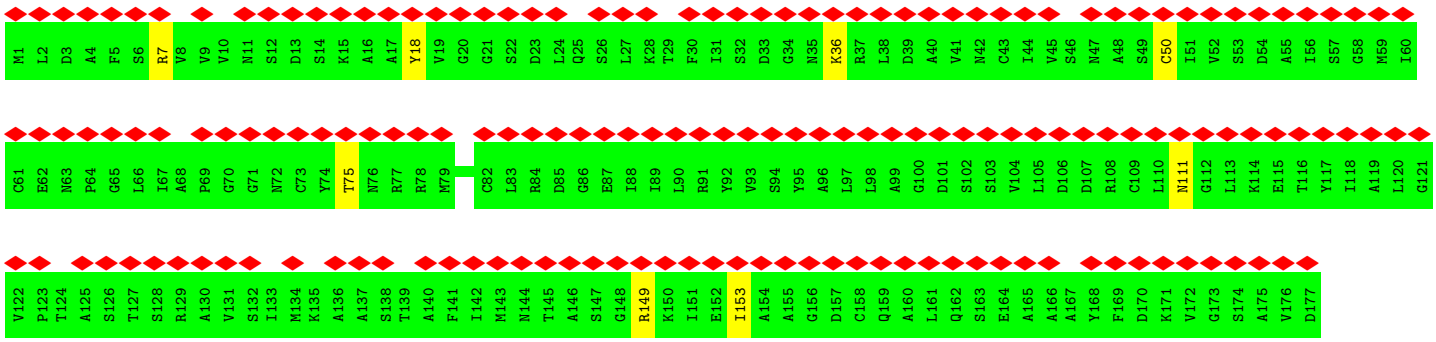




• Molecule 11: R-phycoerythrin beta chain

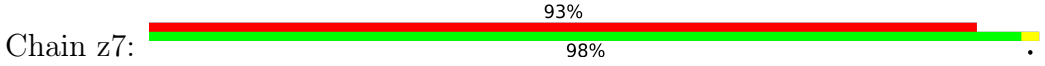
Chain y7:

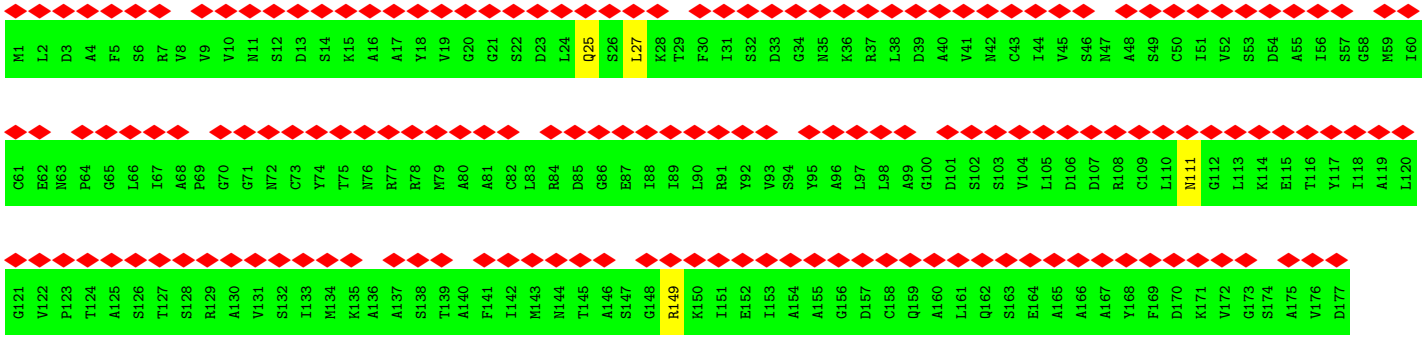




• Molecule 11: R-phycoerythrin beta chain

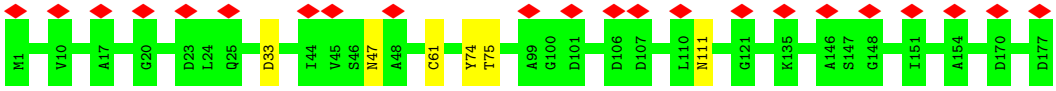
Chain z7:





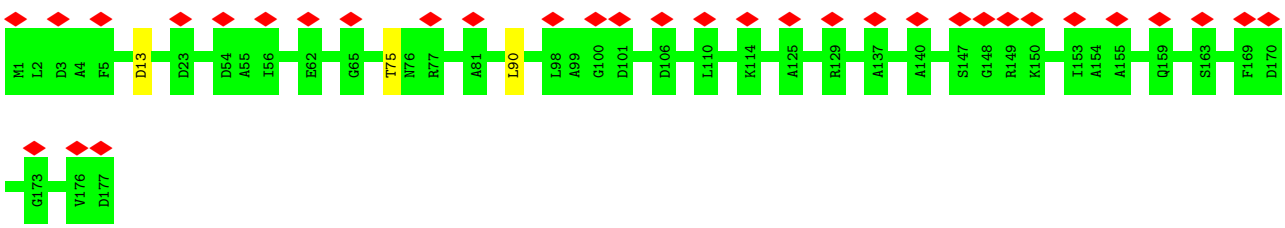
• Molecule 11: R-phycoerythrin beta chain

Chain w8:



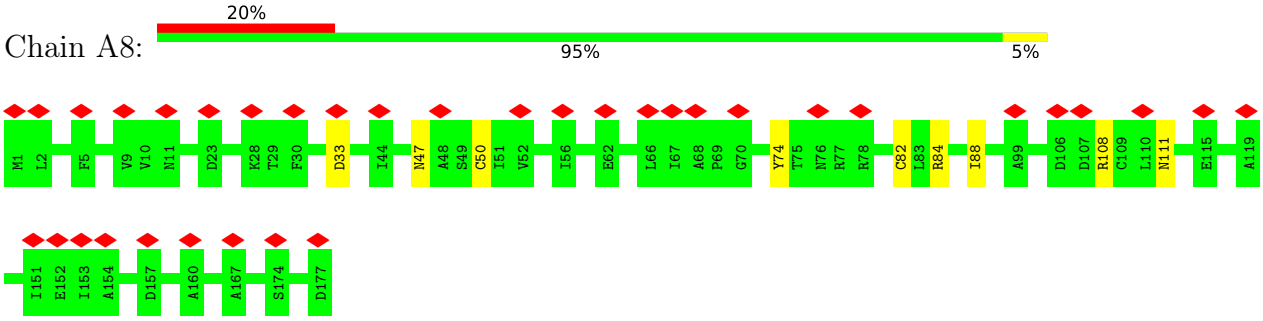
• Molecule 11: R-phycoerythrin beta chain

Chain y8:



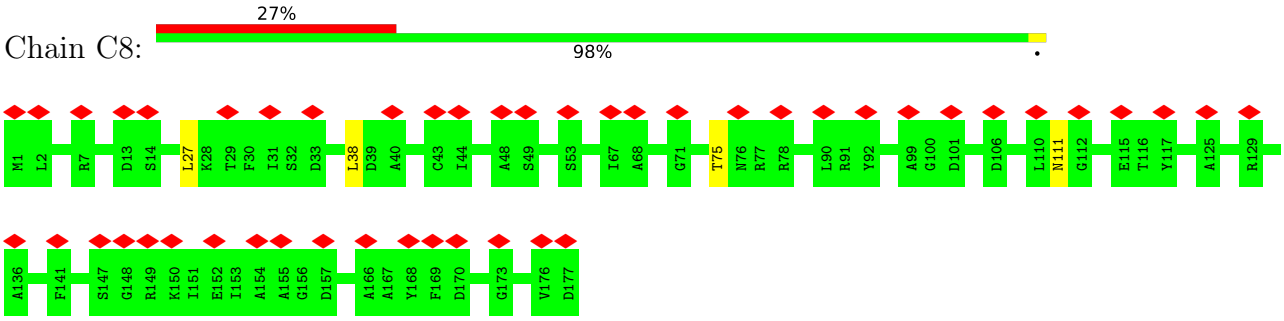
• Molecule 11: R-phycoerythrin beta chain

Chain A8:



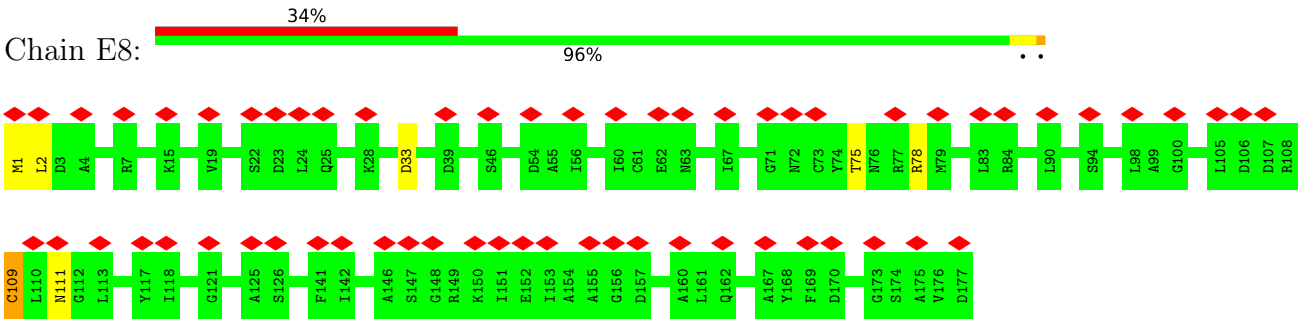
• Molecule 11: R-phycoerythrin beta chain

Chain C8:



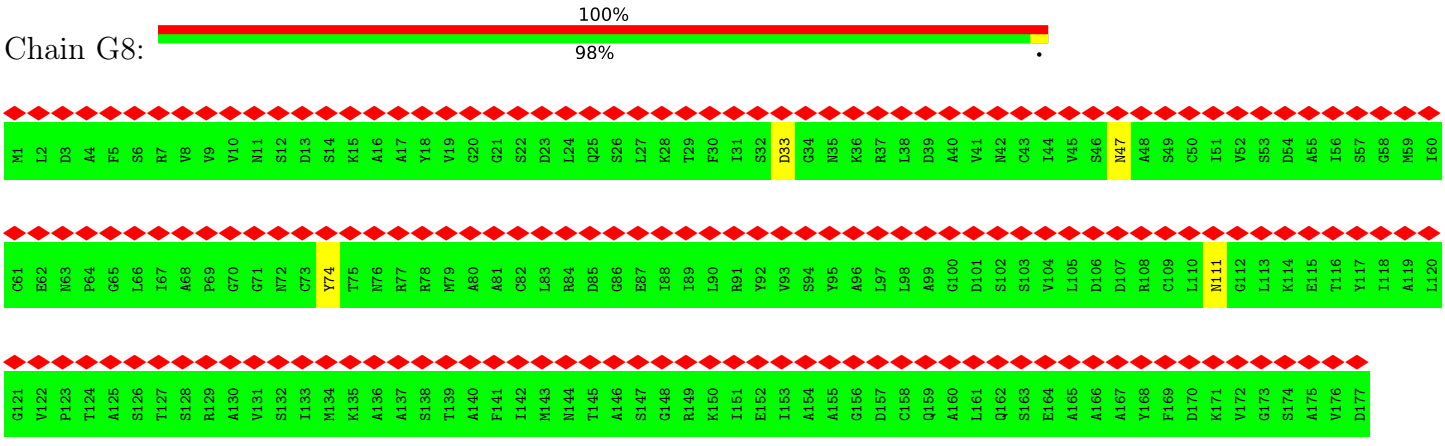
• Molecule 11: R-phycoerythrin beta chain

Chain E8:



• Molecule 11: R-phycoerythrin beta chain

Chain G8:



• Molecule 11: R-phycoerythrin beta chain

Chain I8:

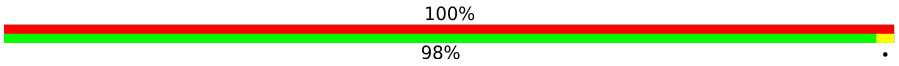
M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 M63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain K8:



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C61 E62 M63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain M8:

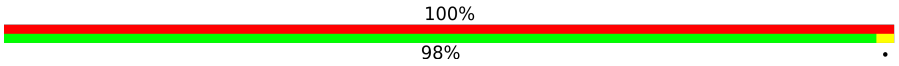
M1 L2 D3 A4 F5 S6 R7 V8 V9 V10 N11 S12 D13 S14 K15 A16 A17 Y18 V19 G20 G21 S22 D23 L24 Q25 S26 L27 K28 T29 F30 I31 S32 D33 G34 N35 K36 R37 L38 D39 A40 V41 N42 C43 I44 V45 S46 N47 A48 S49 C50 I51 V52 S53 D54 A55 I56 S57 G58 M59 I60

C61 E62 M63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain O8:



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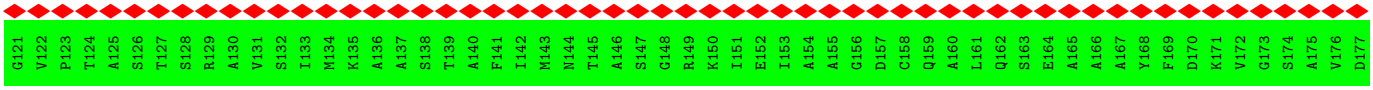
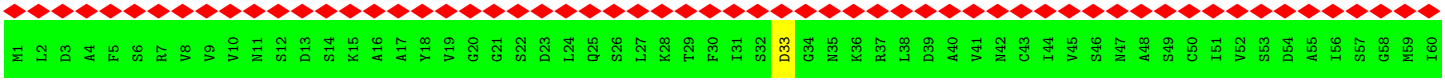
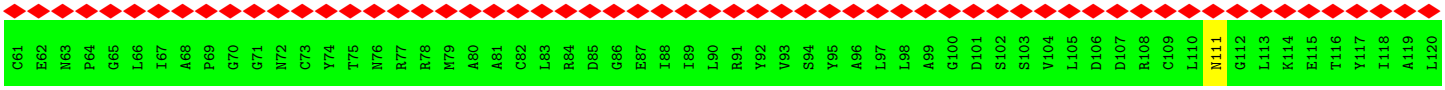
C61 E62 M63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

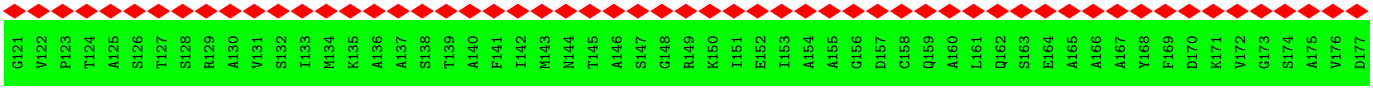


• Molecule 11: R-phycoerythrin beta chain

Chain Q8:

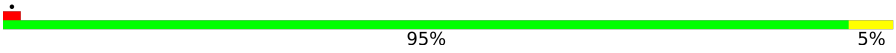


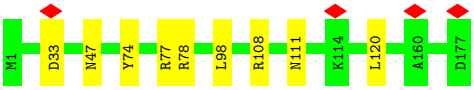




• Molecule 11: R-phycoerythrin beta chain

Chain n9:





• Molecule 11: R-phycoerythrin beta chain

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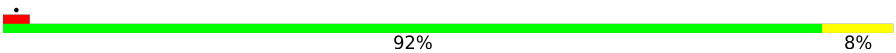

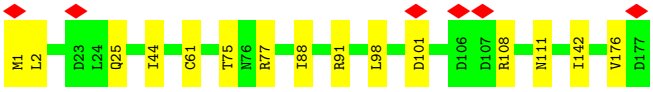

• Molecule 11: R-phycoerythrin beta chain

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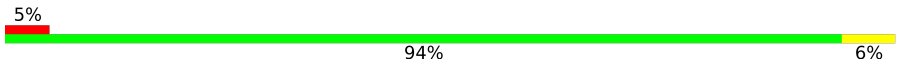

• Molecule 11: R-phycoerythrin beta chain

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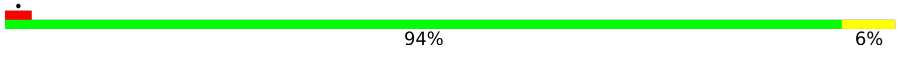
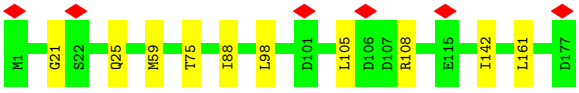
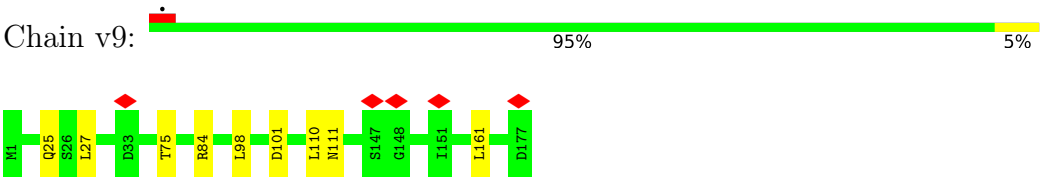




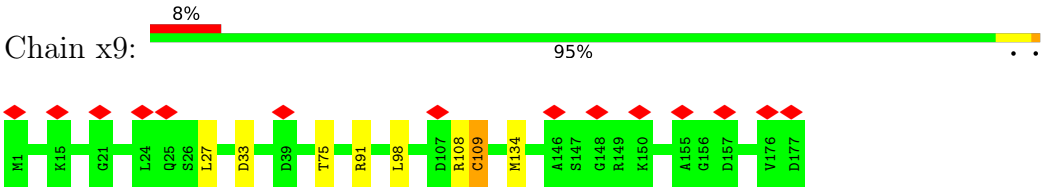
• Molecule 11: R-phycoerythrin beta chain

Chain v9:



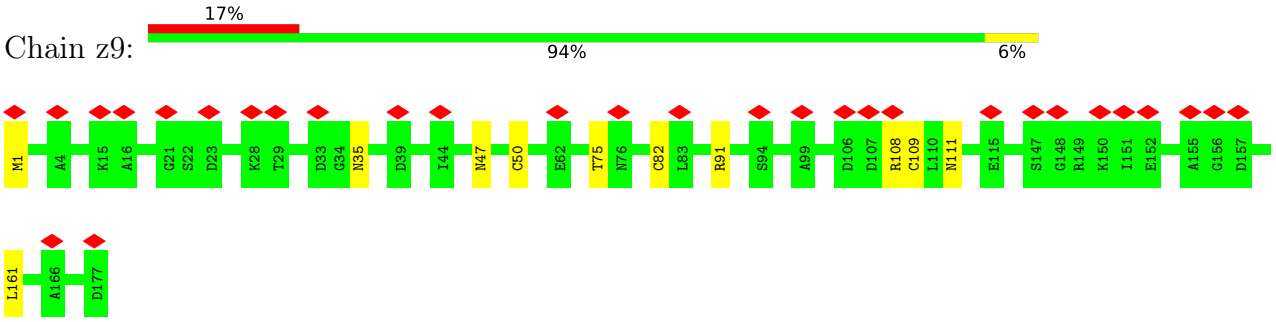
• Molecule 11: R-phycoerythrin beta chain

Chain x9:



• Molecule 11: R-phycoerythrin beta chain

Chain z9:



• Molecule 11: R-phycoerythrin beta chain

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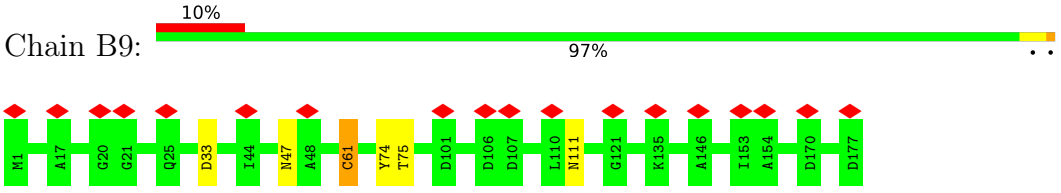

• Molecule 11: R-phycoerythrin beta chain

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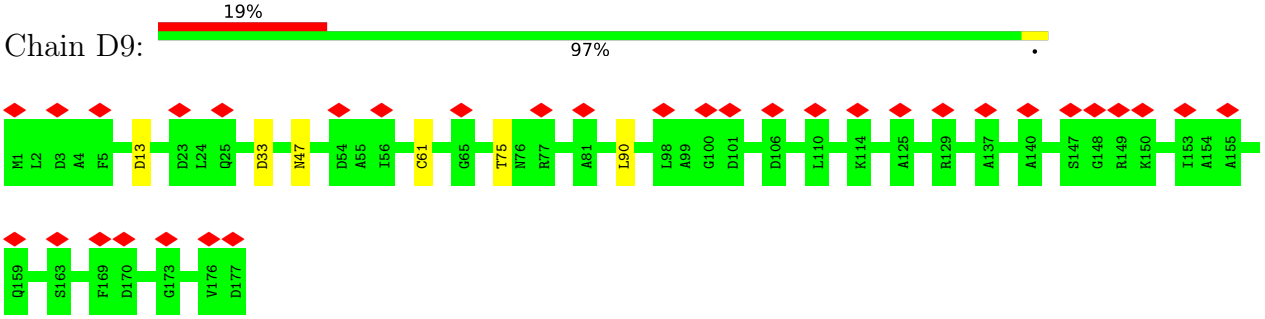

• Molecule 11: R-phycoerythrin beta chain

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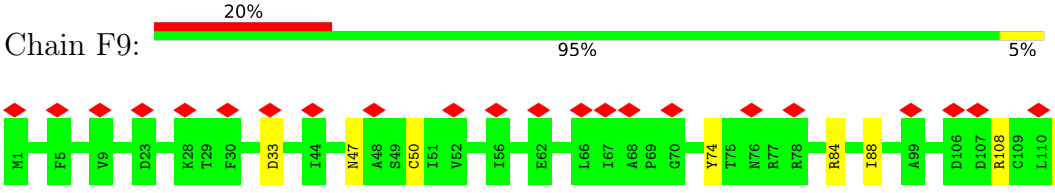

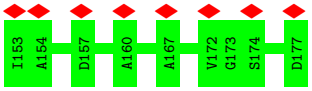

• Molecule 11: R-phycoerythrin beta chain

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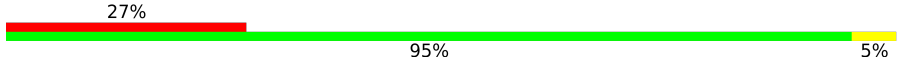
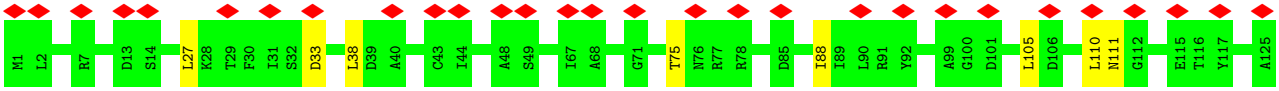
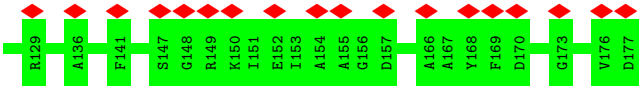
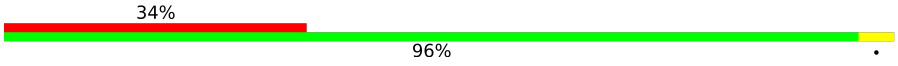


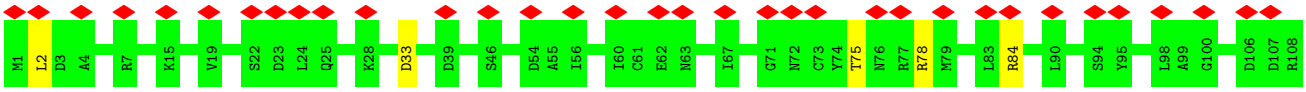


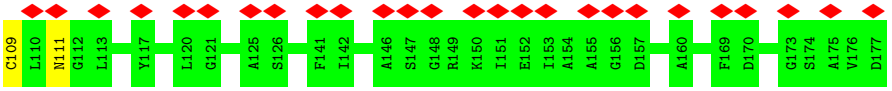


• Molecule 11: R-phycoerythrin beta chain

Chain J9:

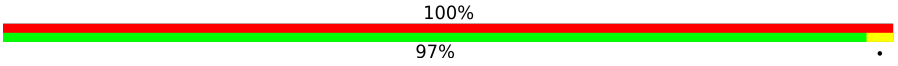


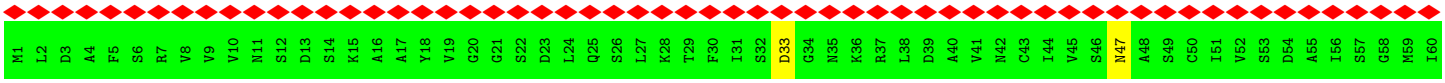


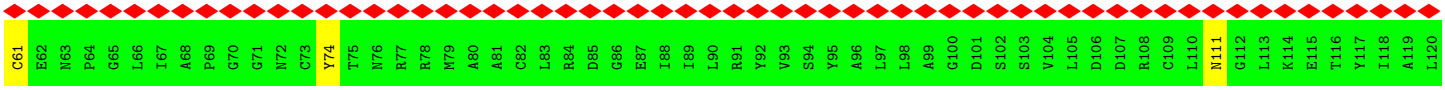


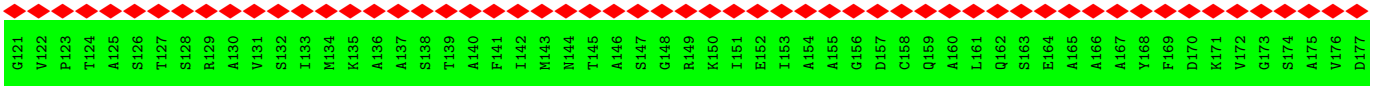
• Molecule 11: R-phycoerythrin beta chain

Chain L9:



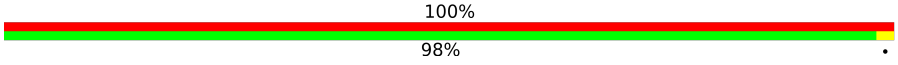


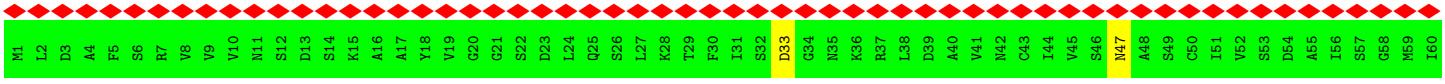




• Molecule 11: R-phycoerythrin beta chain

Chain N9:





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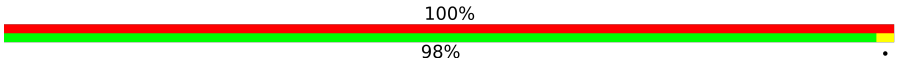
G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain P9:



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• Molecule 11: R-phycoerythrin beta chain

Chain R9:

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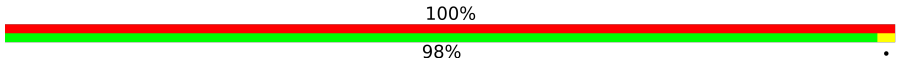
G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain T9:



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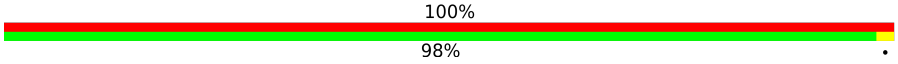
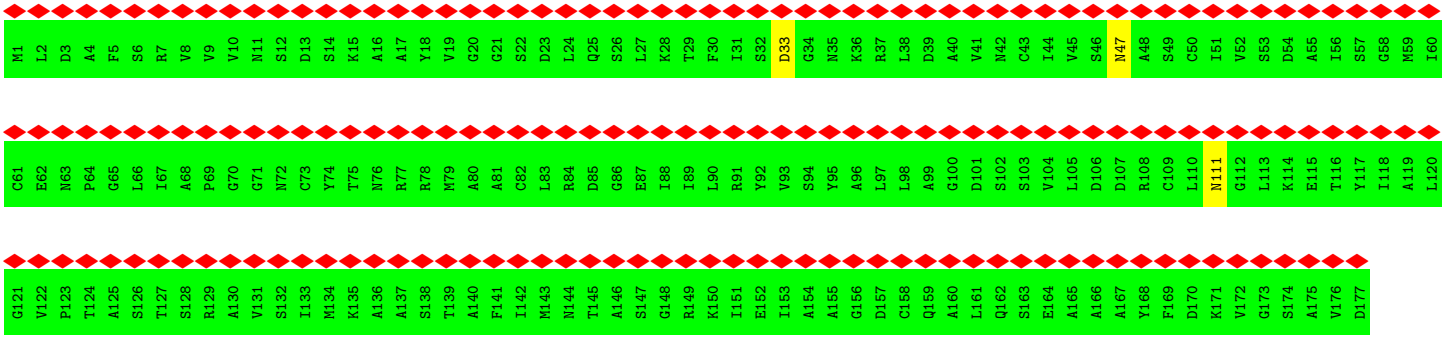
C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain V9:



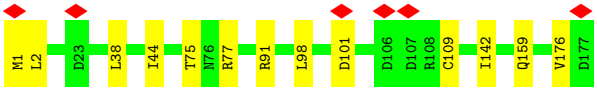


• Molecule 11: R-phycoerythrin beta chain

Chain an:

• Molecule 11: R-phycoerythrin beta chain

Chain ap:



• Molecule 11: R-phycoerythrin beta chain

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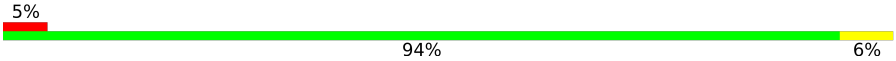
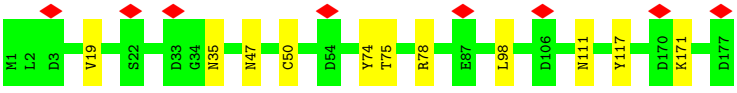
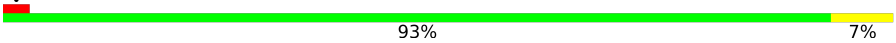
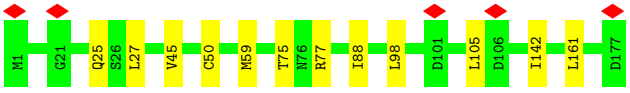




• Molecule 11: R-phycoerythrin beta chain

Chain at:





• Molecule 11: R-phycoerythrin beta chain

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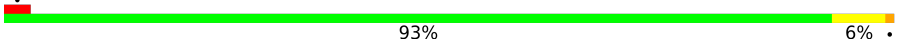
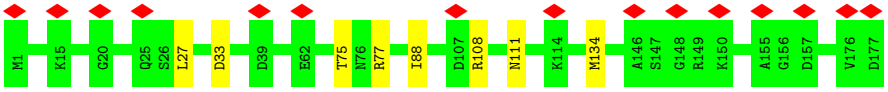
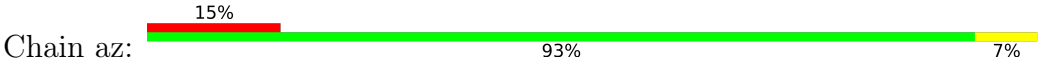
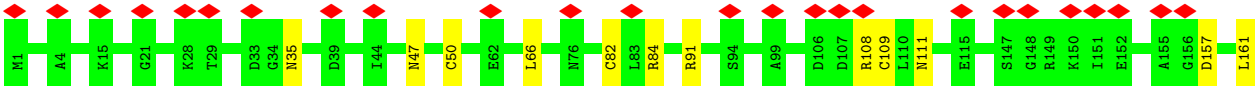


• Molecule 11: R-phycoerythrin beta chain

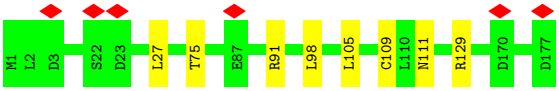


• Molecule 11: R-phycoerythrin beta chain

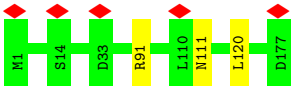




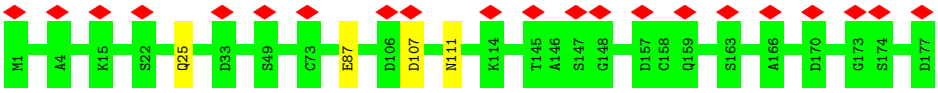
• Molecule 11: R-phycoerythrin beta chain



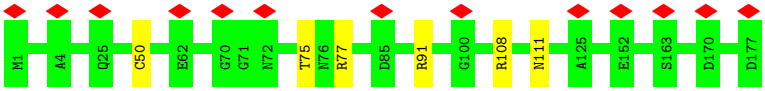
• Molecule 11: R-phycoerythrin beta chain



• Molecule 11: R-phycoerythrin beta chain

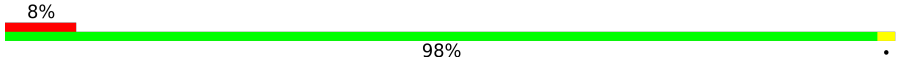


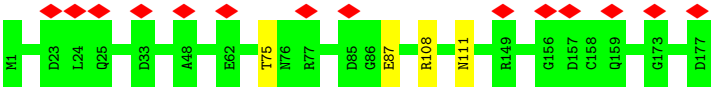
• Molecule 11: R-phycoerythrin beta chain



• Molecule 11: R-phycoerythrin beta chain

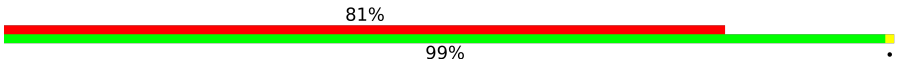
Chain aJ:

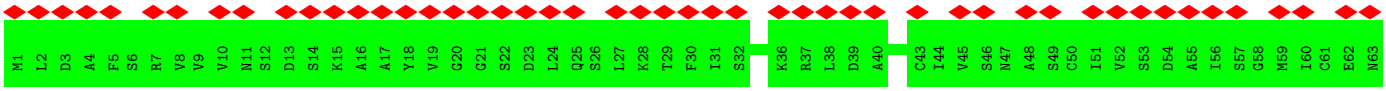


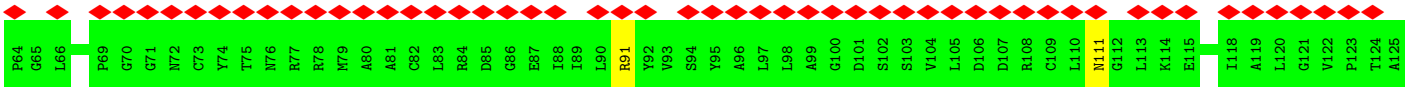


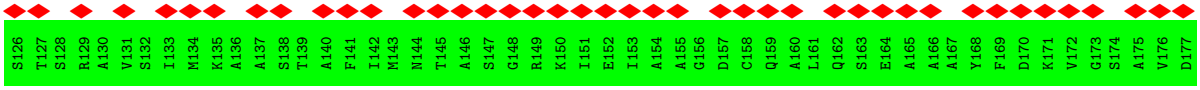
• Molecule 11: R-phycoerythrin beta chain

Chain aL:



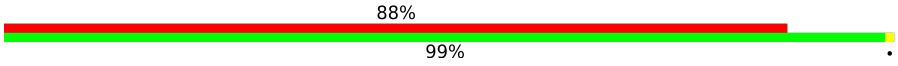


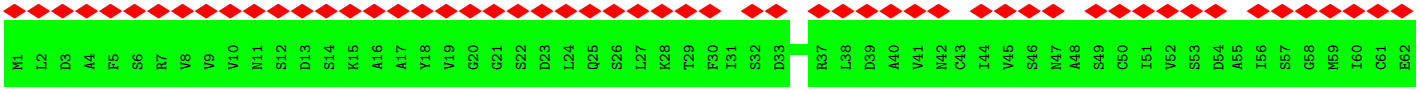


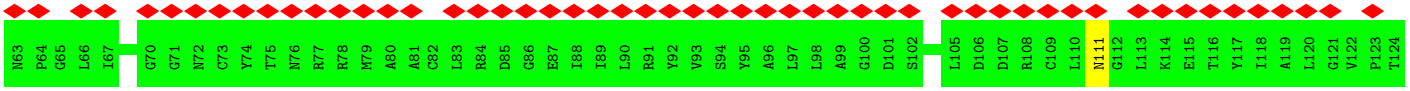


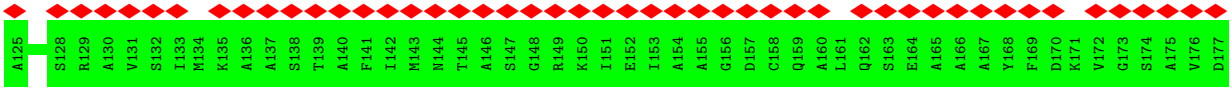
• Molecule 11: R-phycoerythrin beta chain

Chain aN:



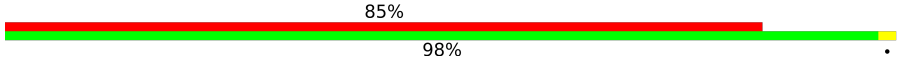


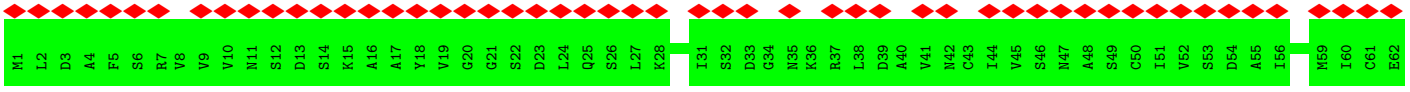


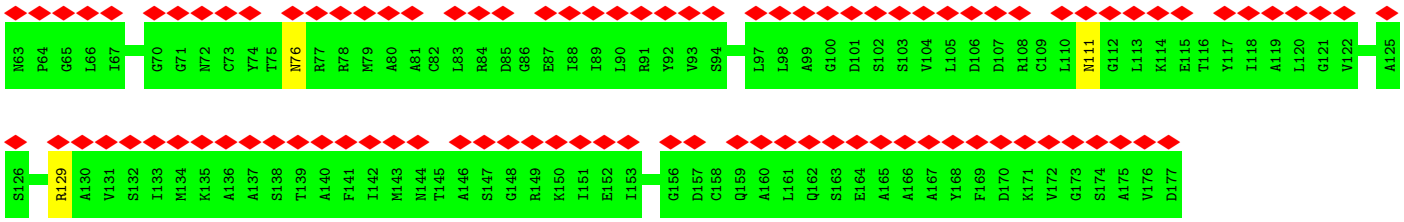


• Molecule 11: R-phycoerythrin beta chain

Chain aP:







• Molecule 11: R-phycoerythrin beta chain

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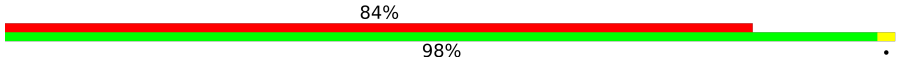
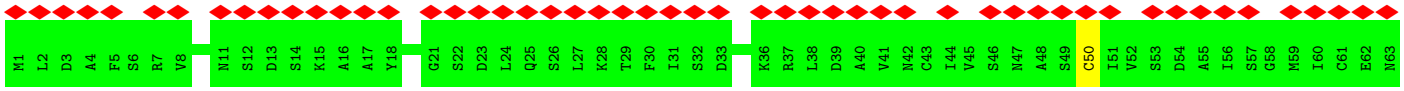
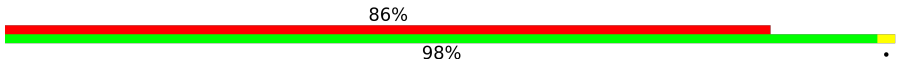
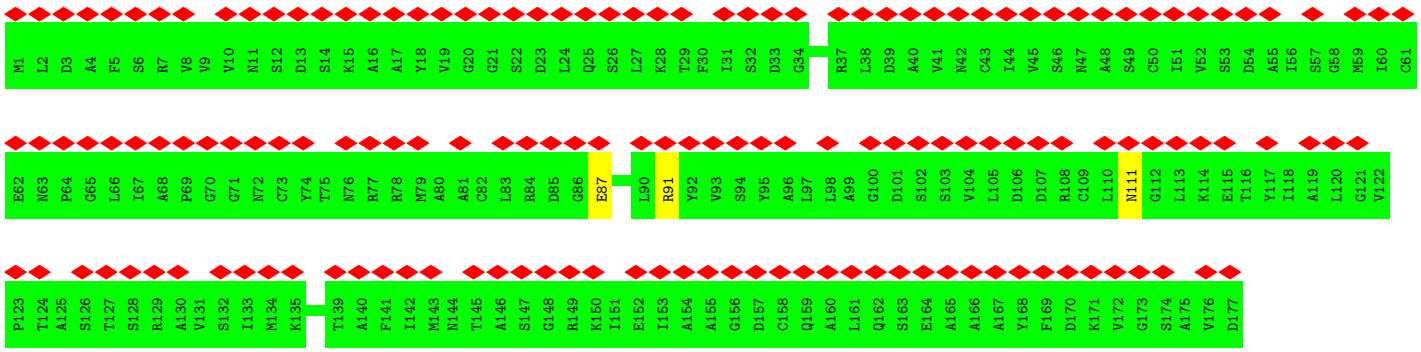




• Molecule 11: R-phycoerythrin beta chain

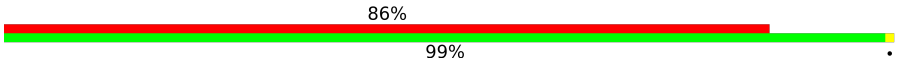
Chain aT:

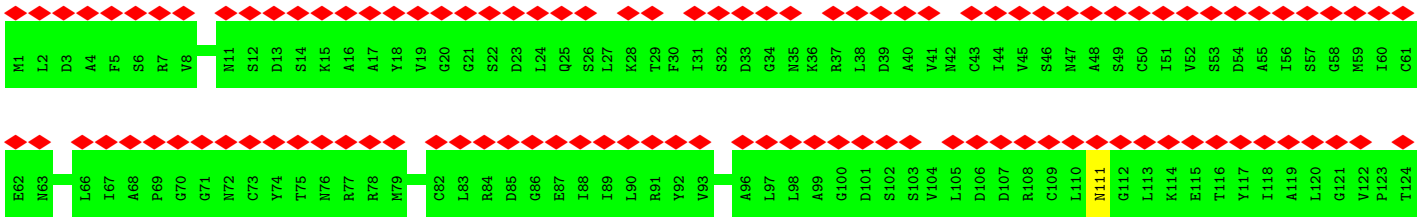


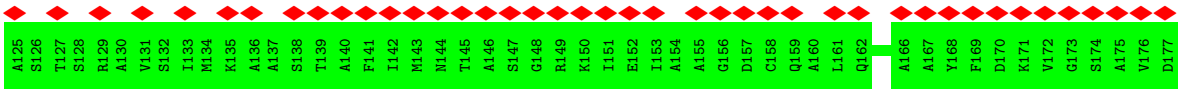


• Molecule 11: R-phycoerythrin beta chain

Chain aV:

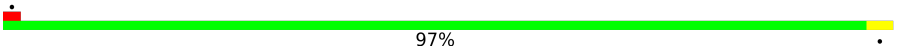


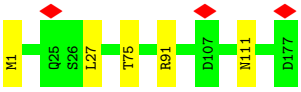




• Molecule 11: R-phycoerythrin beta chain

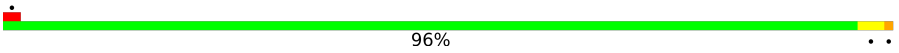
Chain bn:





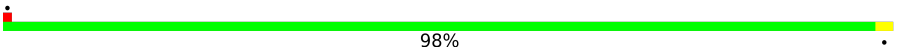
• Molecule 11: R-phycoerythrin beta chain

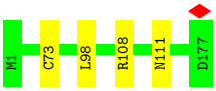
Chain bo:



• Molecule 11: R-phycoerythrin beta chain

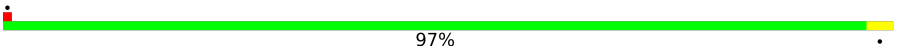
Chain bp:





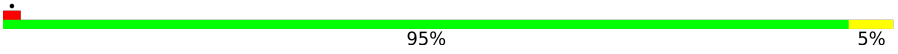
• Molecule 11: R-phycoerythrin beta chain

Chain bq:



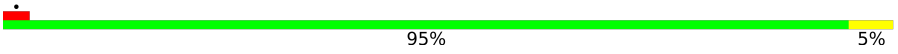
• Molecule 11: R-phycoerythrin beta chain

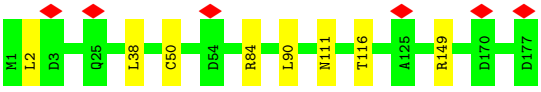
Chain br:



• Molecule 11: R-phycoerythrin beta chain

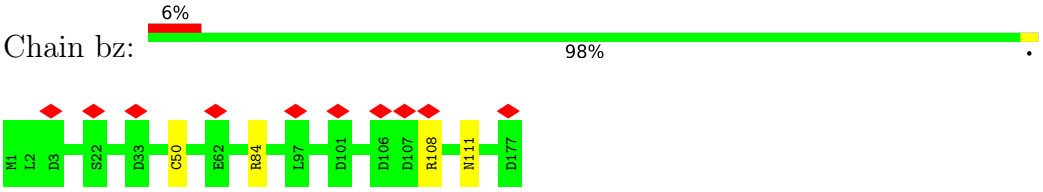
Chain bs:





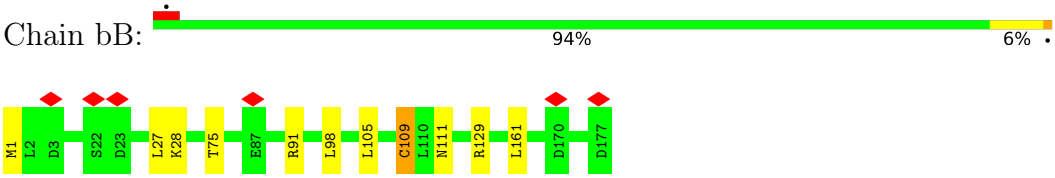
• Molecule 11: R-phycoerythrin beta chain

Chain bz:



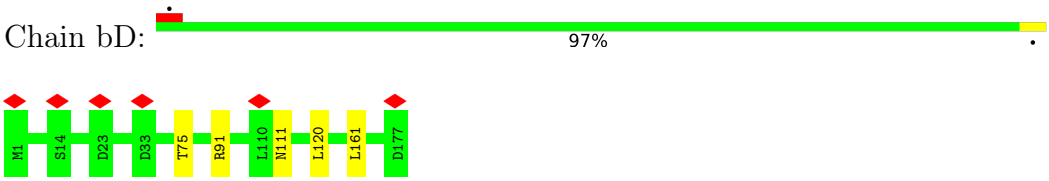
• Molecule 11: R-phycoerythrin beta chain

Chain bB:



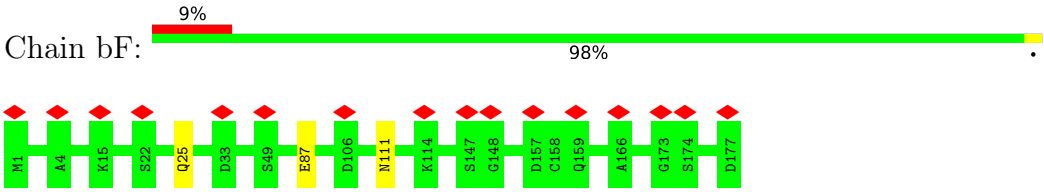
• Molecule 11: R-phycoerythrin beta chain

Chain bD:



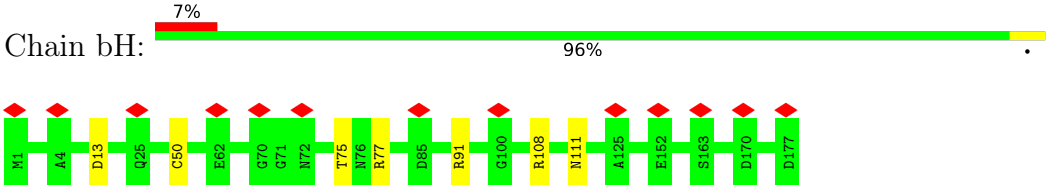
• Molecule 11: R-phycoerythrin beta chain

Chain bF:



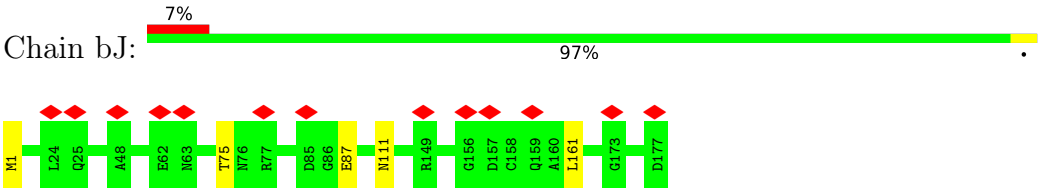
• Molecule 11: R-phycoerythrin beta chain

Chain bH:



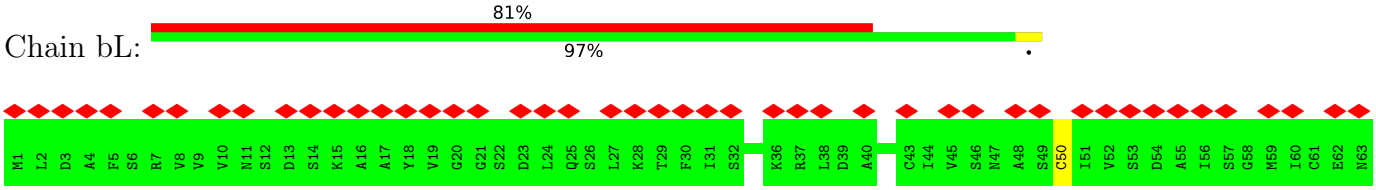
• Molecule 11: R-phycoerythrin beta chain

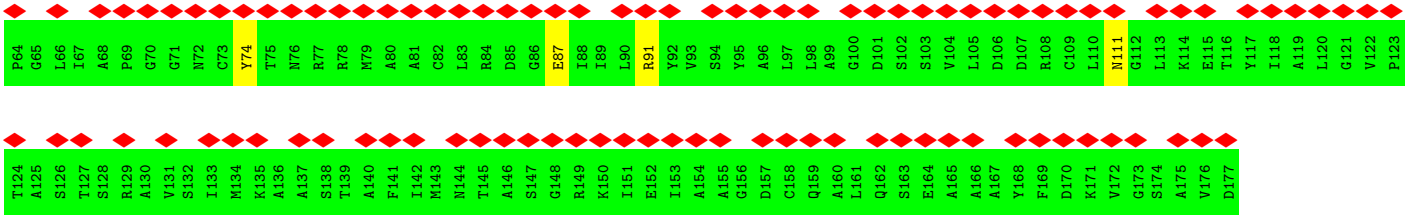
Chain bJ:



• Molecule 11: R-phycoerythrin beta chain

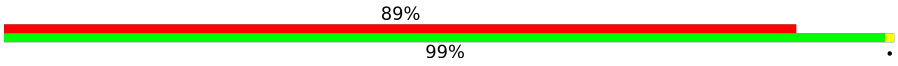
Chain bL:

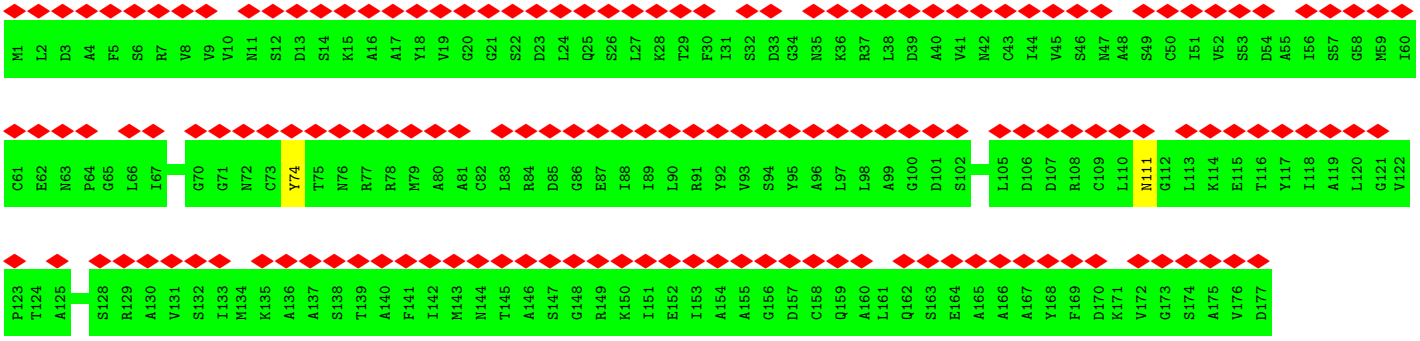




• Molecule 11: R-phycoerythrin beta chain

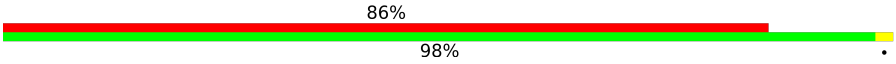
Chain bN:

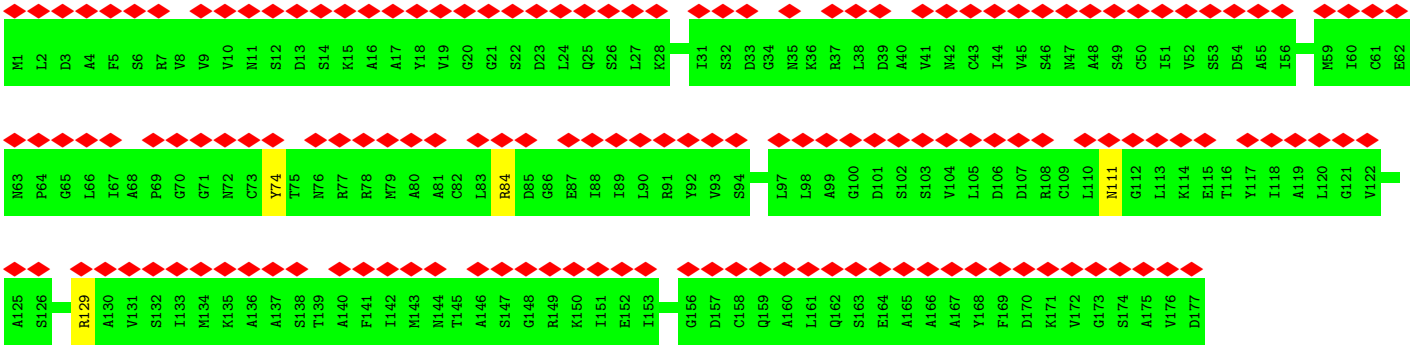




• Molecule 11: R-phycoerythrin beta chain

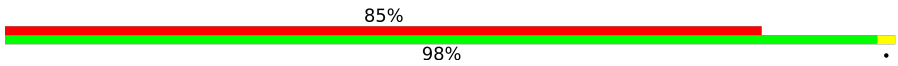
Chain bP:

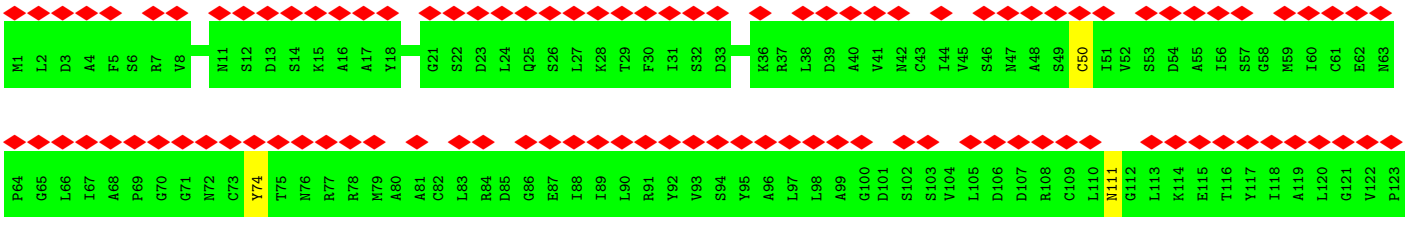


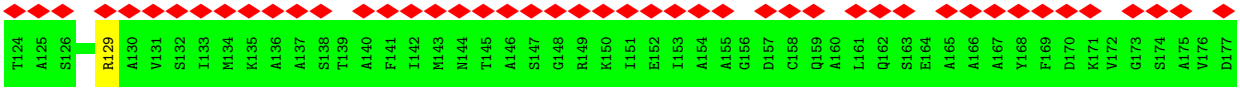


• Molecule 11: R-phycoerythrin beta chain

Chain bR:

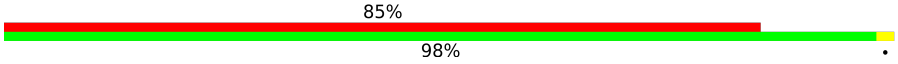


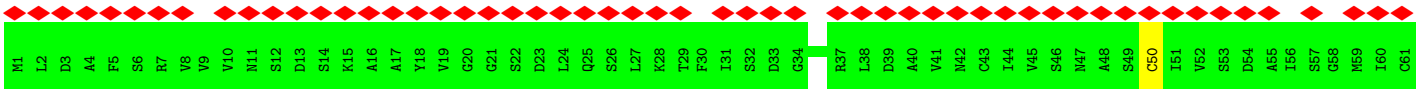


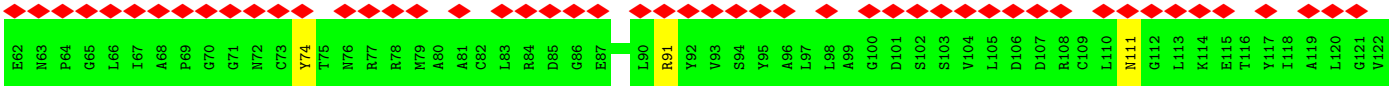


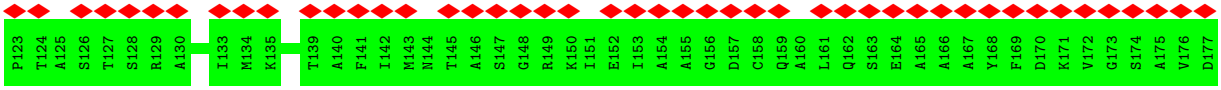
• Molecule 11: R-phycoerythrin beta chain

Chain bT:



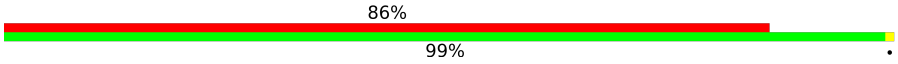


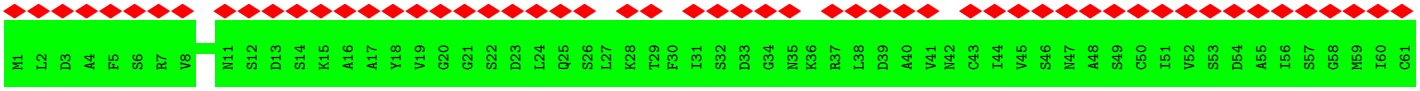


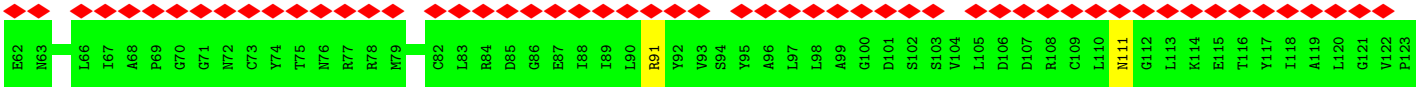


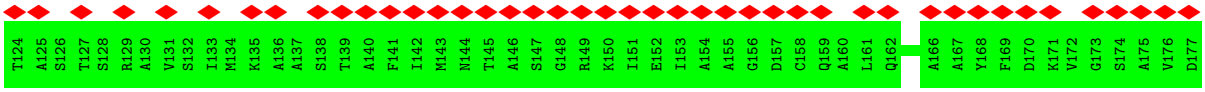
• Molecule 11: R-phycoerythrin beta chain

Chain bV:



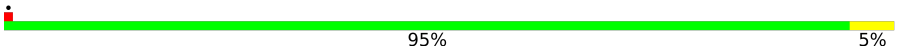


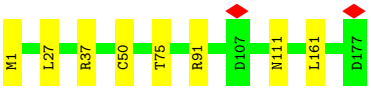




• Molecule 11: R-phycoerythrin beta chain

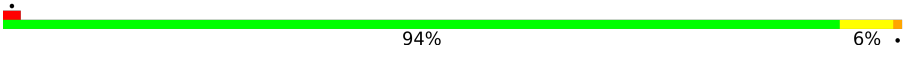
Chain cn:

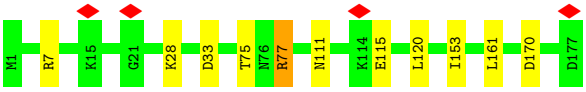




• Molecule 11: R-phycoerythrin beta chain

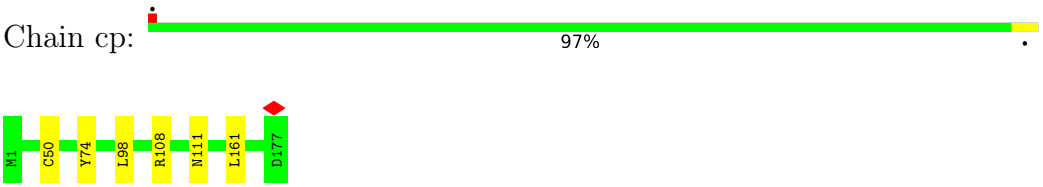
Chain co:





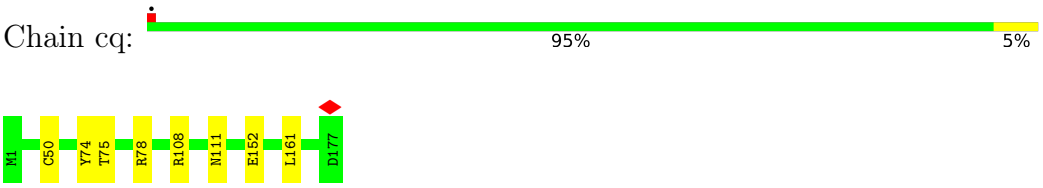
• Molecule 11: R-phycoerythrin beta chain

Chain cp:



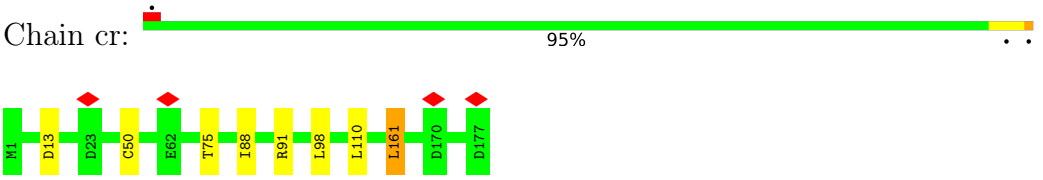
• Molecule 11: R-phycoerythrin beta chain

Chain cq:



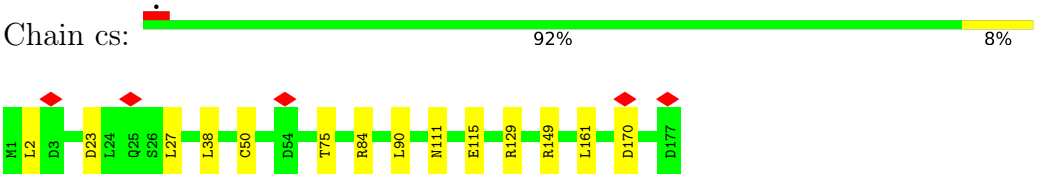
• Molecule 11: R-phycoerythrin beta chain

Chain cr:



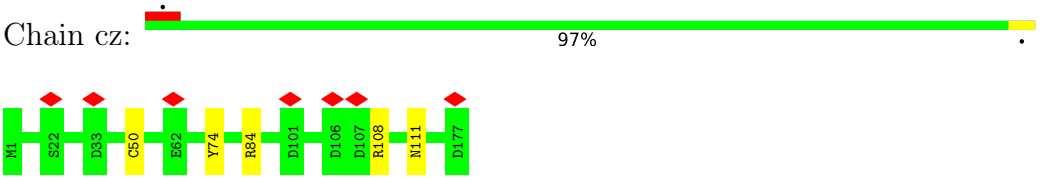
• Molecule 11: R-phycoerythrin beta chain

Chain cs:



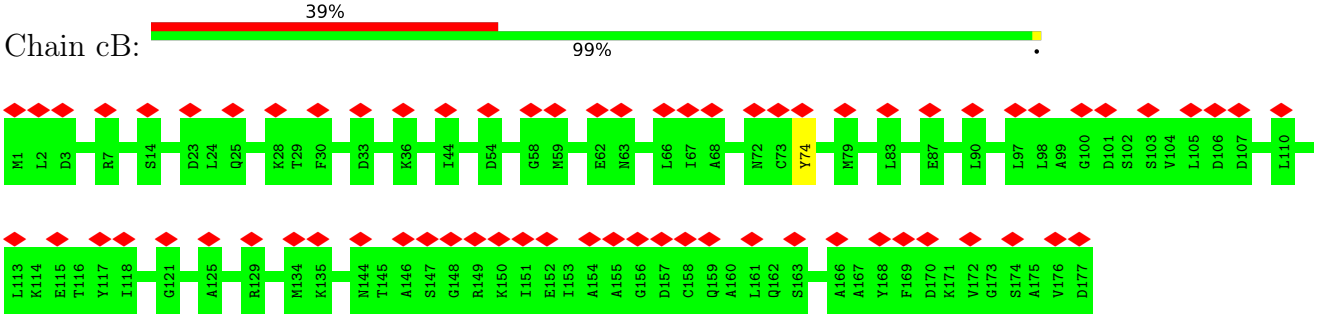
• Molecule 11: R-phycoerythrin beta chain

Chain cz:



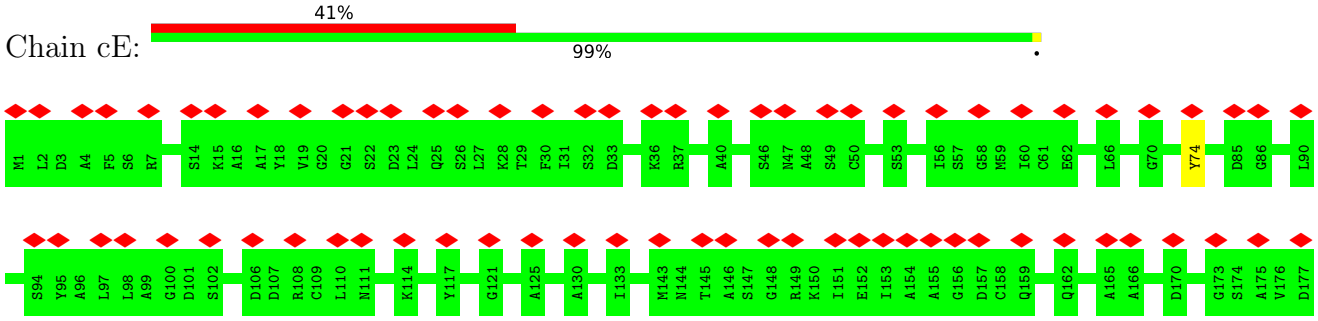
• Molecule 11: R-phycoerythrin beta chain

Chain cB:



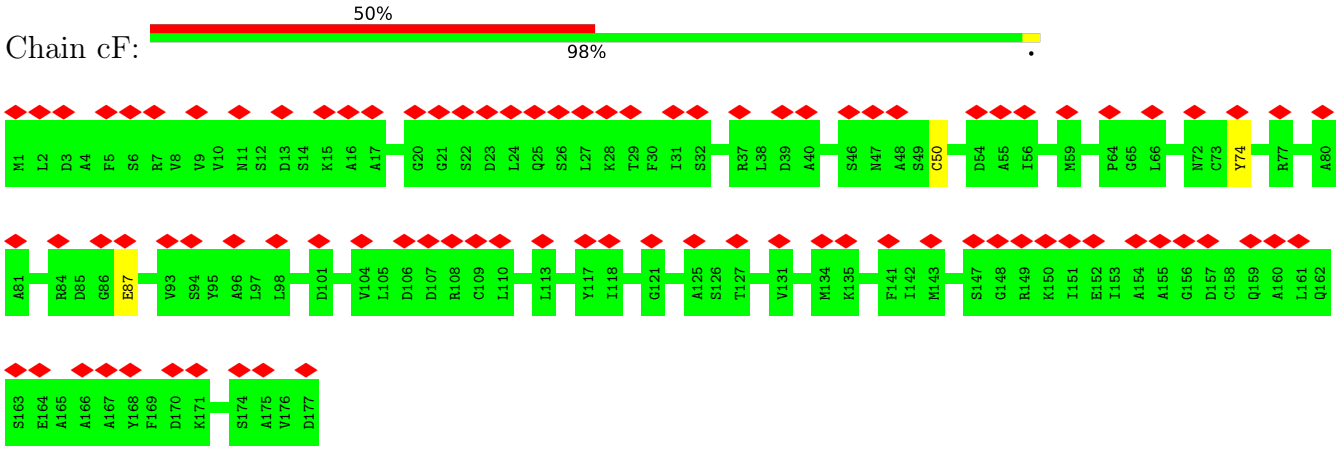
• Molecule 11: R-phycoerythrin beta chain

Chain cE:



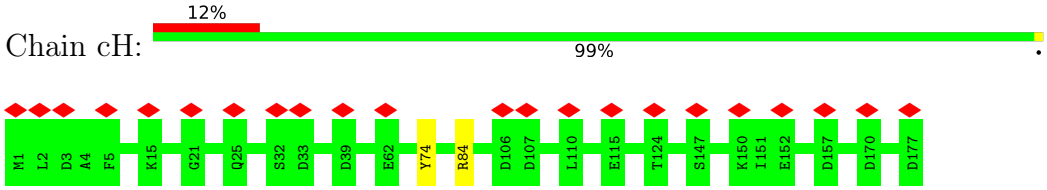
• Molecule 11: R-phycoerythrin beta chain

Chain cF:



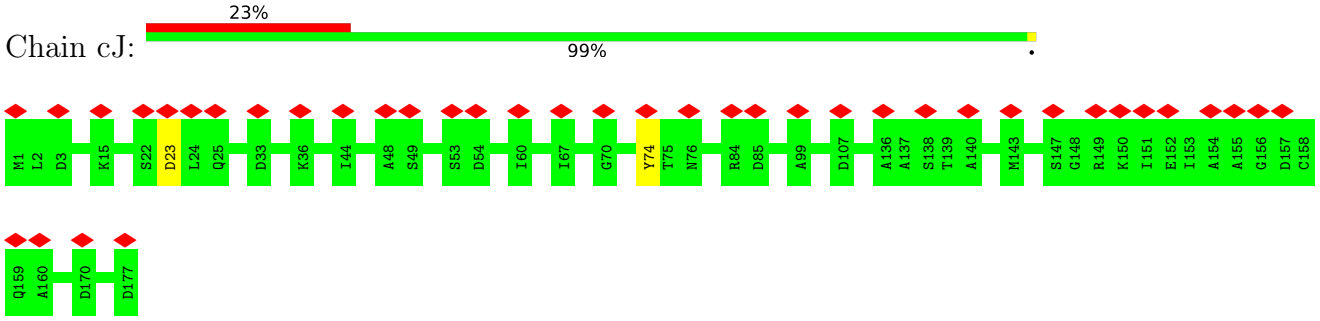
• Molecule 11: R-phycoerythrin beta chain

Chain cH:



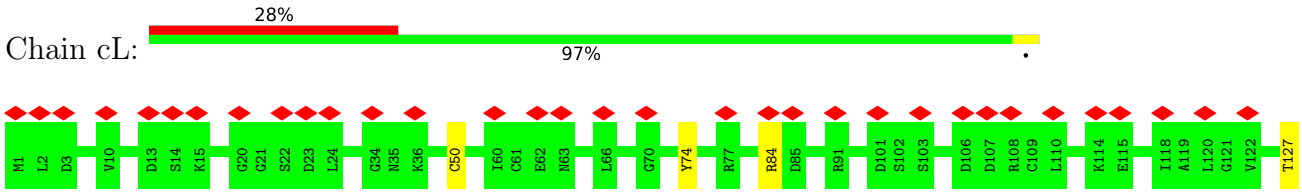
• Molecule 11: R-phycoerythrin beta chain

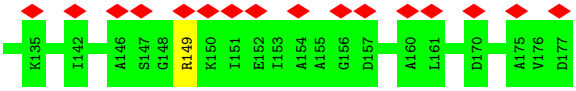
Chain cJ:



• Molecule 11: R-phycoerythrin beta chain

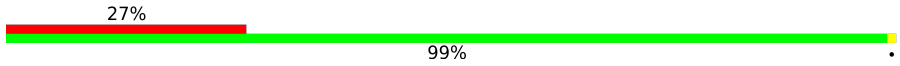
Chain cL:

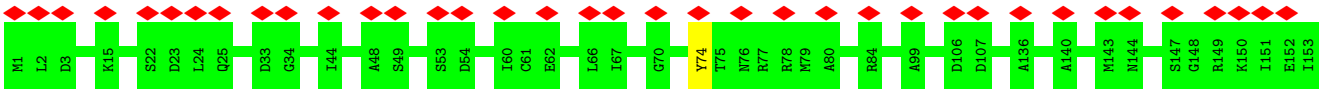


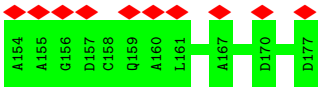


• Molecule 11: R-phycoerythrin beta chain

Chain cM:

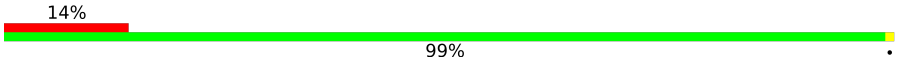


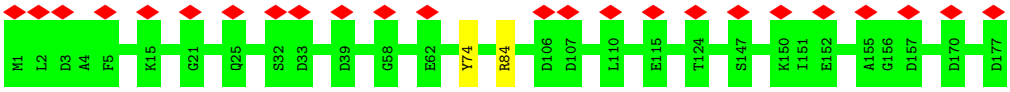




• Molecule 11: R-phycoerythrin beta chain

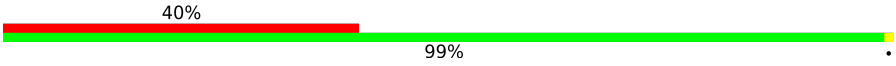
Chain cN:

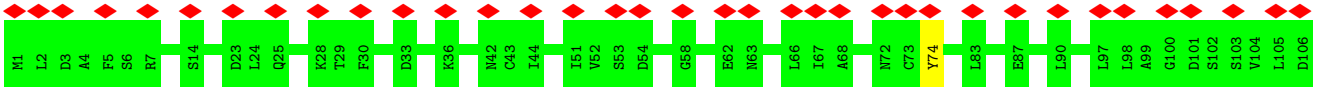


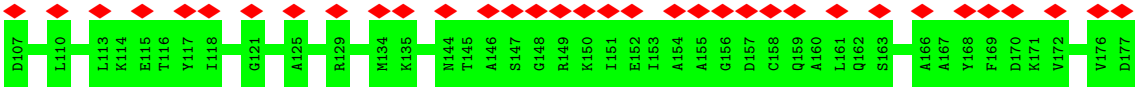


• Molecule 11: R-phycoerythrin beta chain

Chain cO:

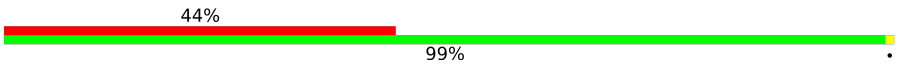


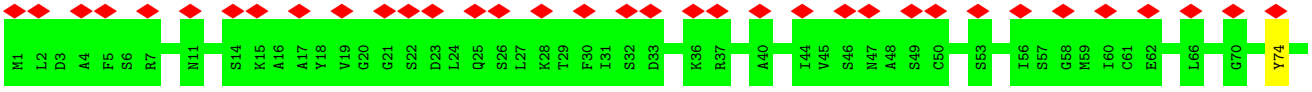


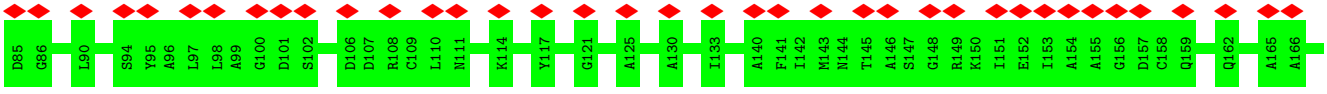


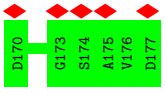
• Molecule 11: R-phycoerythrin beta chain

Chain cP:



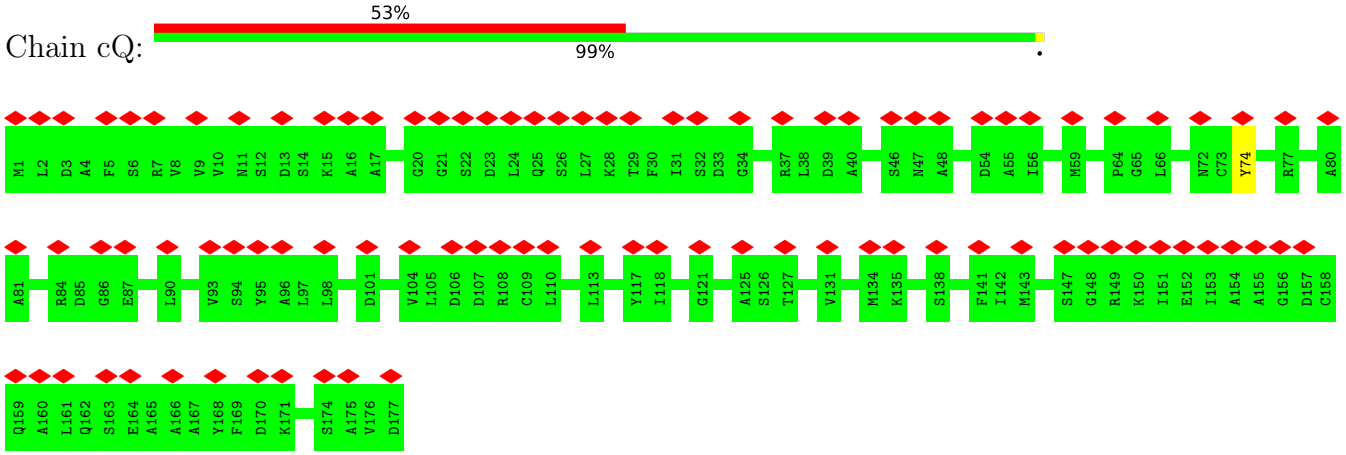






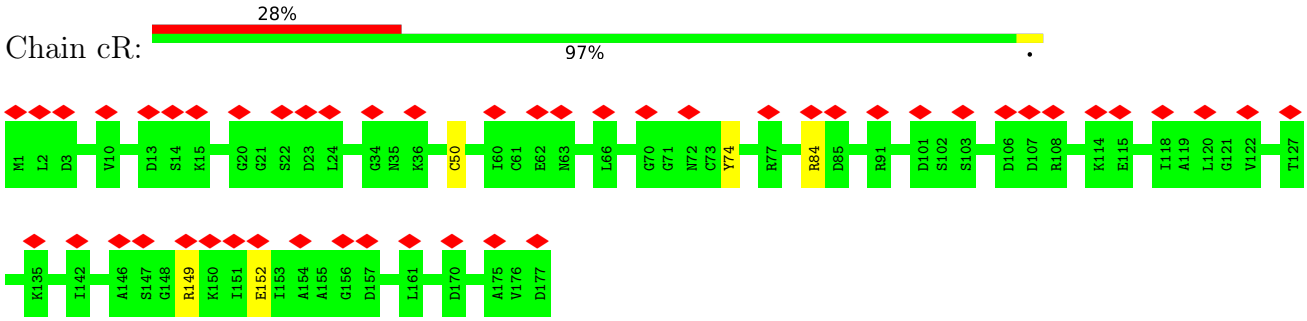
• Molecule 11: R-phycoerythrin beta chain

Chain cQ:



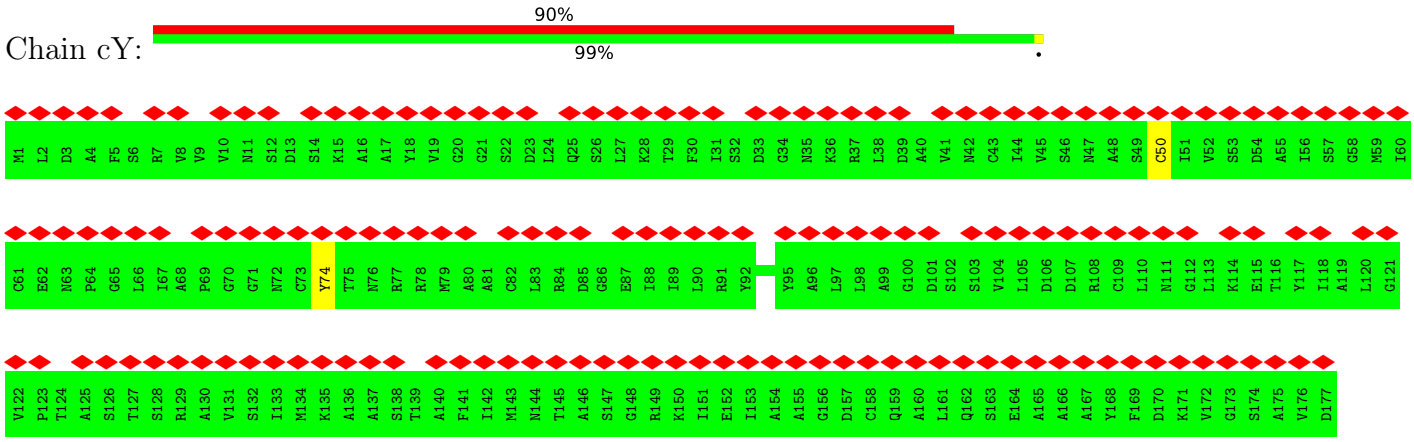
• Molecule 11: R-phycoerythrin beta chain

Chain cR:



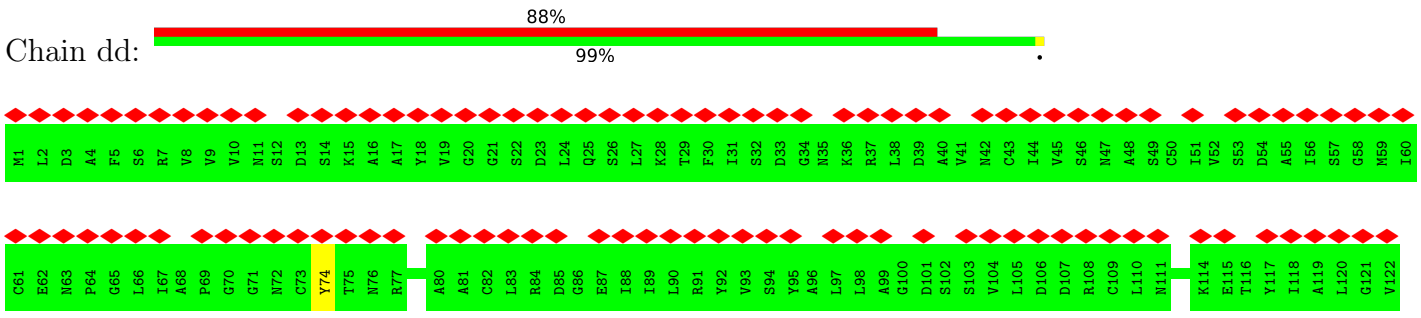
• Molecule 11: R-phycoerythrin beta chain

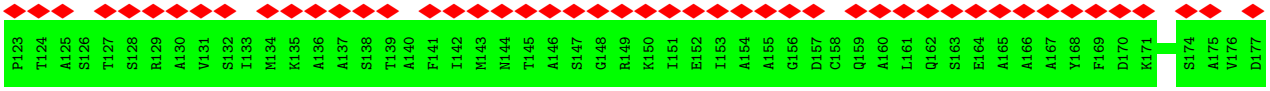
Chain cY:



• Molecule 11: R-phycoerythrin beta chain

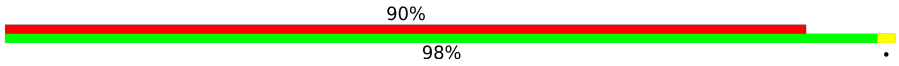
Chain dd:

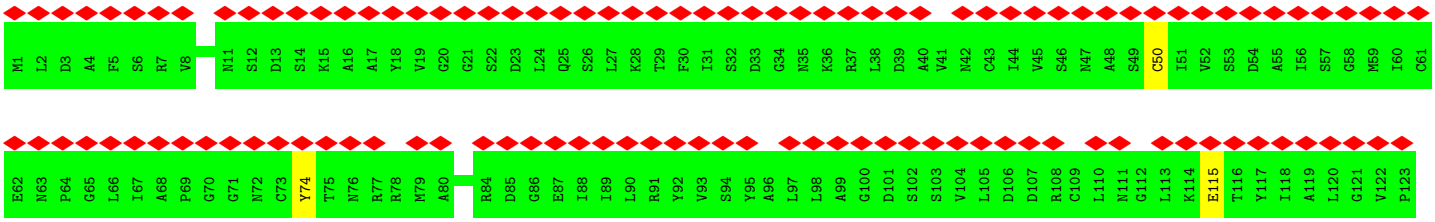




• Molecule 11: R-phycoerythrin beta chain

Chain df:





• Molecule 11: R-phycoerythrin beta chain

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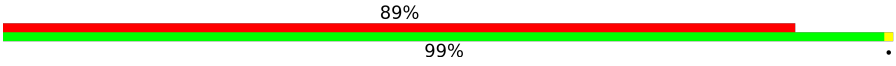
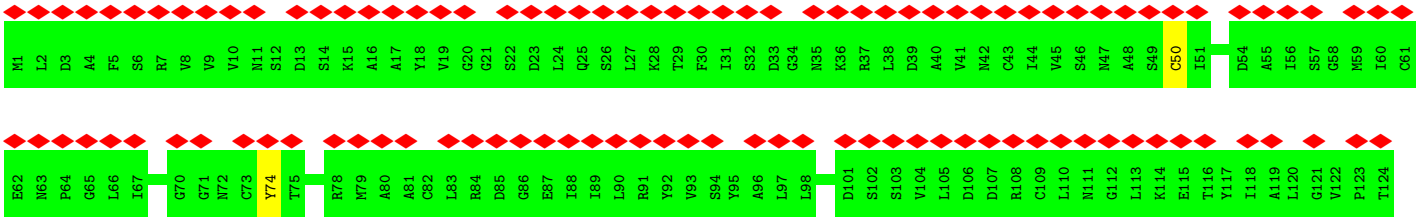
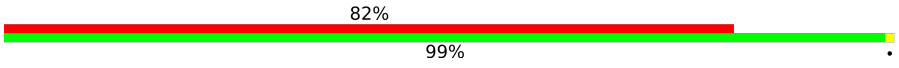
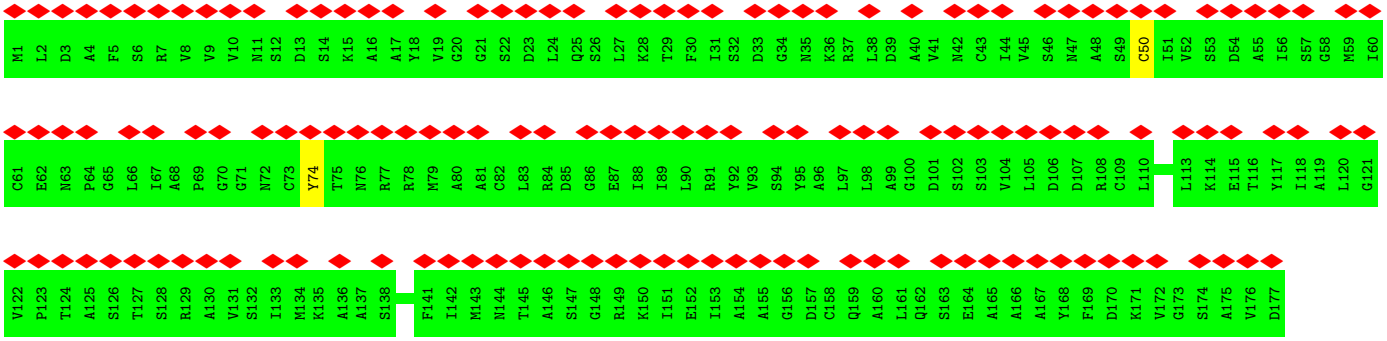




• Molecule 11: R-phycoerythrin beta chain

Chain di:





• Molecule 11: R-phycoerythrin beta chain

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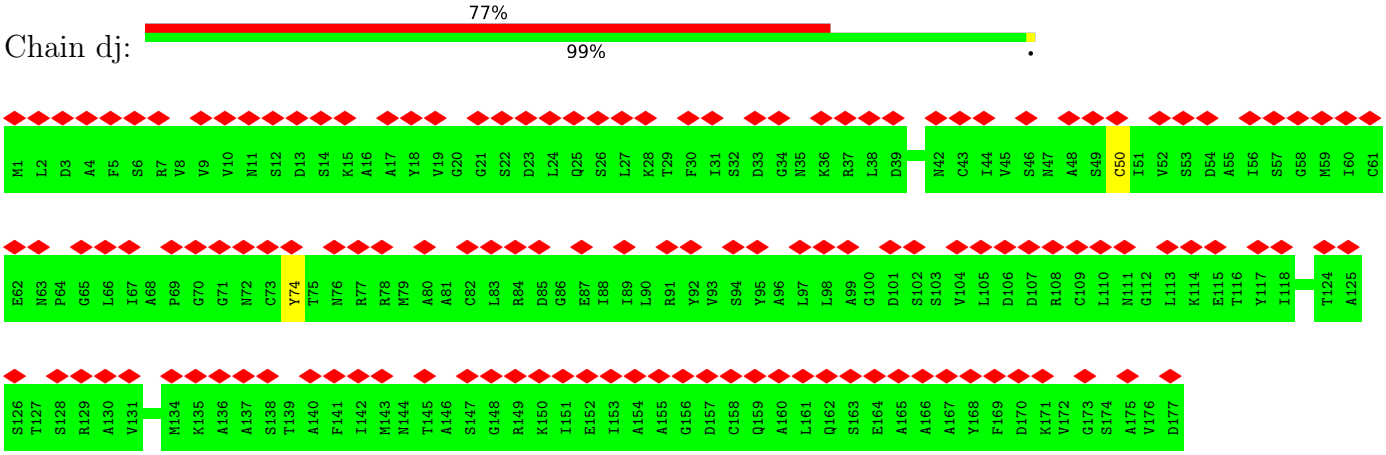
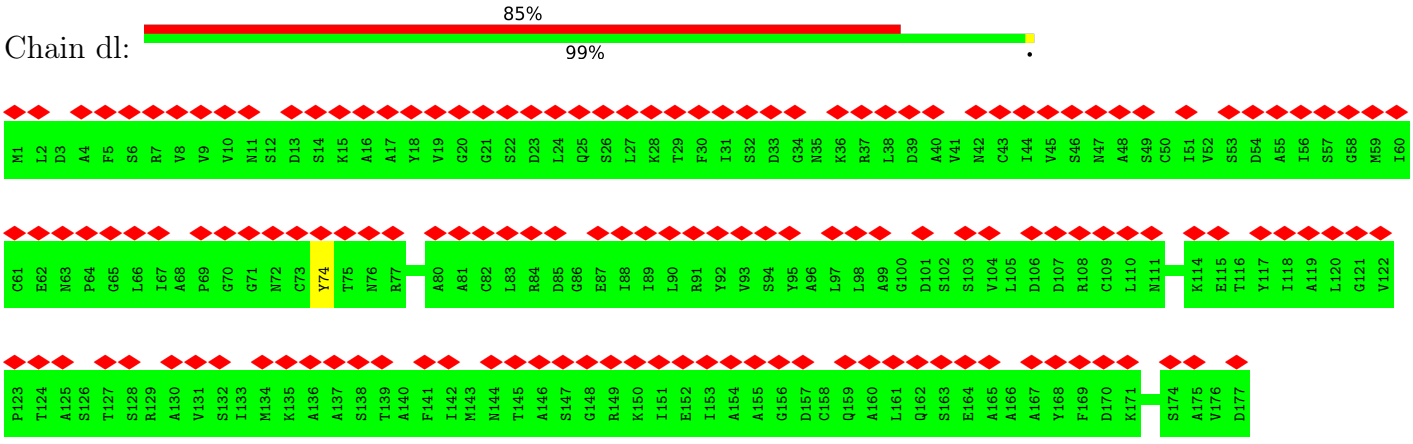


• Molecule 11: R-phycoerythrin beta chain

Chain dl:



• Molecule 11: R-phycoerythrin beta chain

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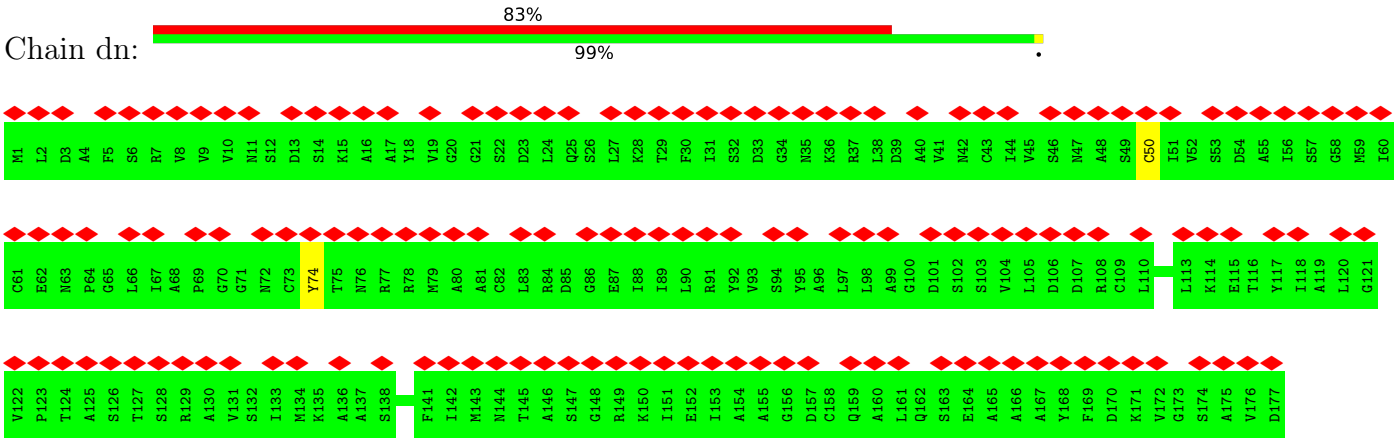
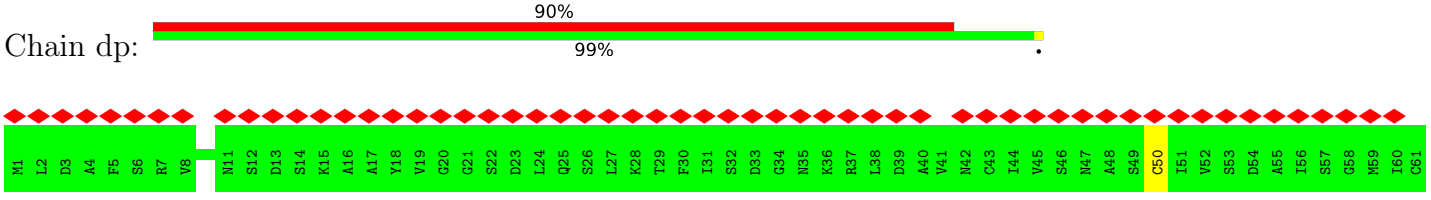
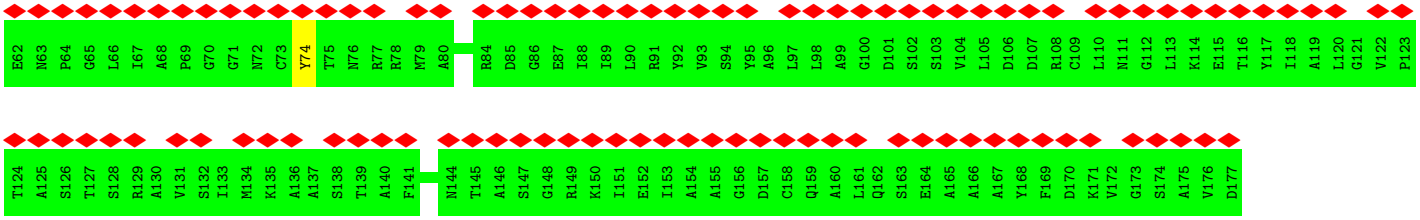


• Molecule 11: R-phycoerythrin beta chain

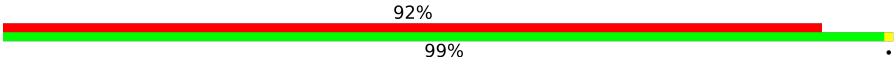
Chain dp:

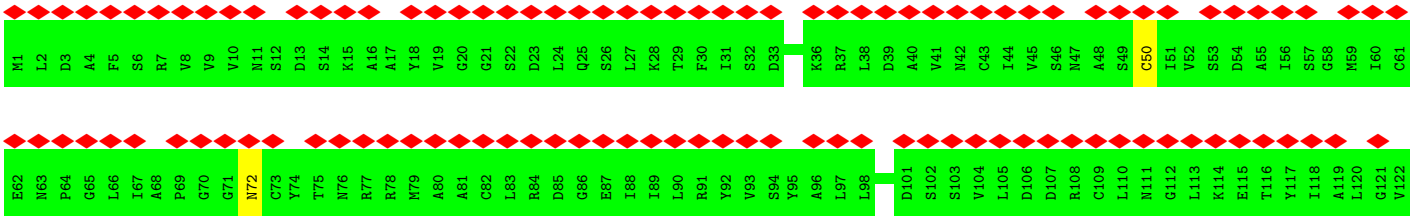




• Molecule 11: R-phycoerythrin beta chain

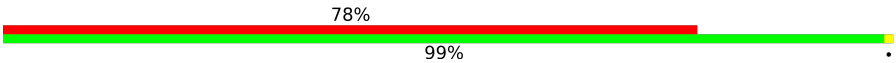
Chain dr:





• Molecule 11: R-phycoerythrin beta chain

Chain dt:



• Molecule 11: R-phycoerythrin beta chain

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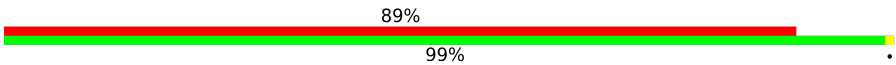
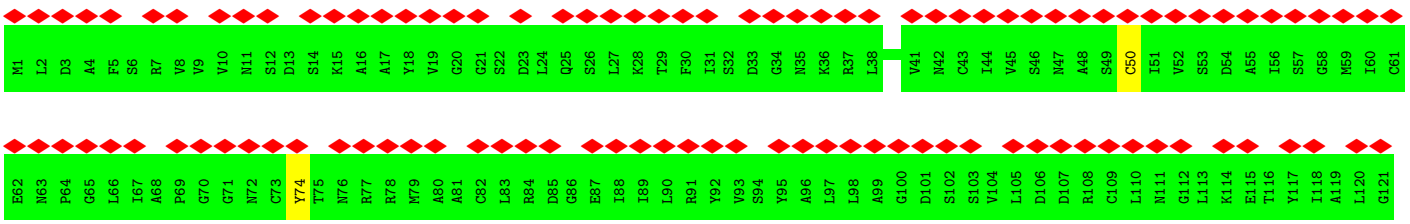
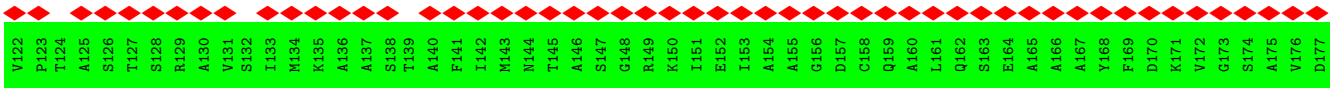
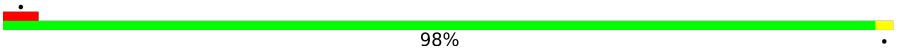


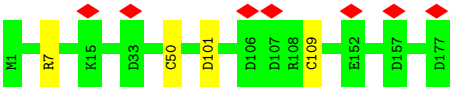




• Molecule 11: R-phycoerythrin beta chain

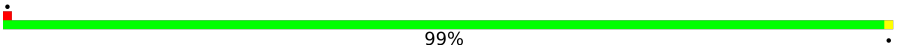
Chain dB:

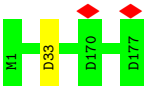




• Molecule 11: R-phycoerythrin beta chain

Chain dD:





• Molecule 11: R-phycoerythrin beta chain

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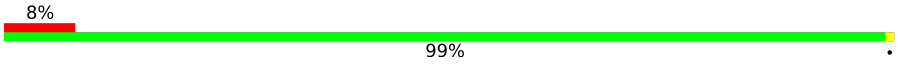

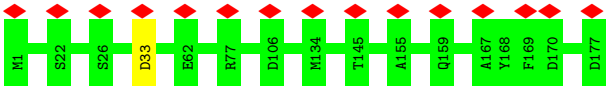

• Molecule 11: R-phycoerythrin beta chain

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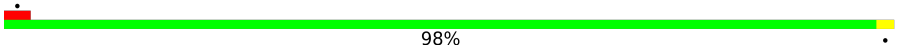

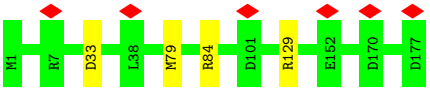

• Molecule 11: R-phycoerythrin beta chain

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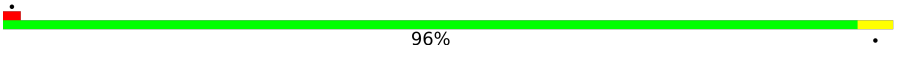
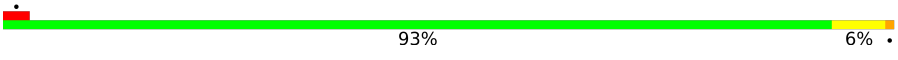


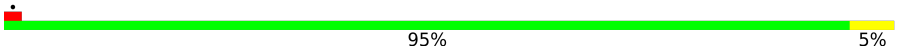
• Molecule 11: R-phycoerythrin beta chain

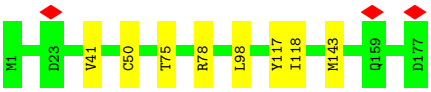
Chain dL:



• Molecule 11: R-phycoerythrin beta chain

Chain dN:





• Molecule 11: R-phycoerythrin beta chain

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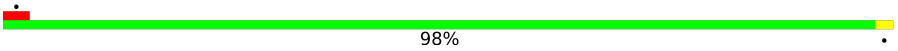
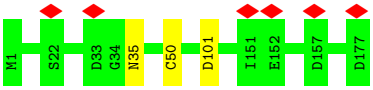
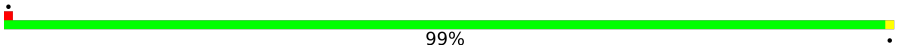
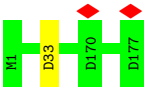




• Molecule 11: R-phycoerythrin beta chain

Chain dR:





• Molecule 11: R-phycoerythrin beta chain

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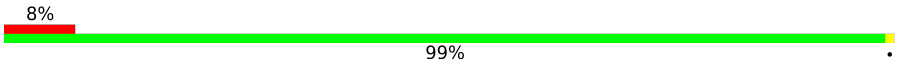
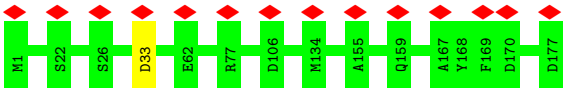
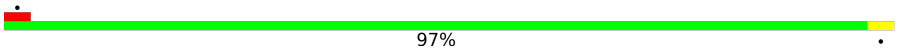
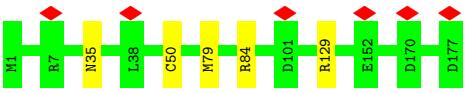




• Molecule 11: R-phycoerythrin beta chain

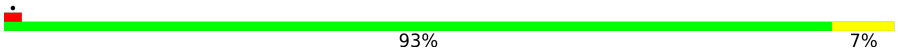
Chain dV:

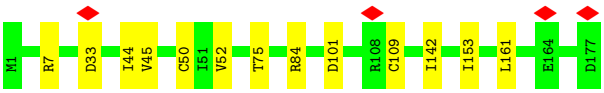




• Molecule 11: R-phycoerythrin beta chain

Chain dX:





• Molecule 11: R-phycoerythrin beta chain

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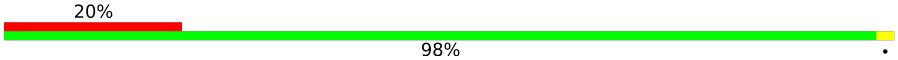
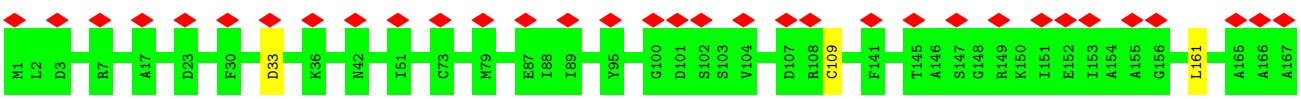
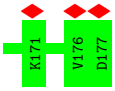
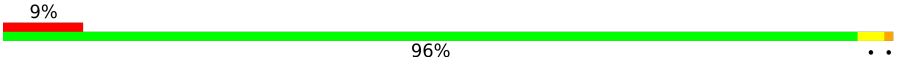


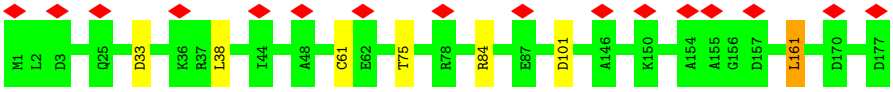




• Molecule 11: R-phycoerythrin beta chain

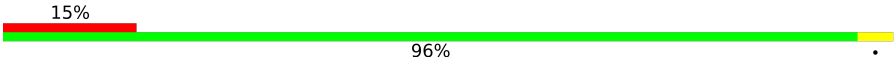
Chain eb:

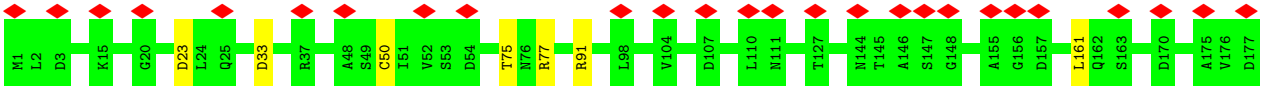




• Molecule 11: R-phycoerythrin beta chain

Chain ec:





• Molecule 11: R-phycoerythrin beta chain

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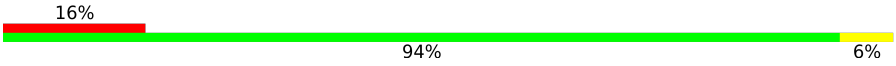
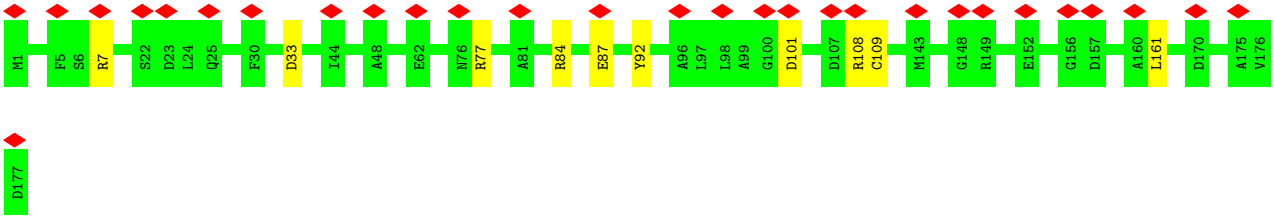
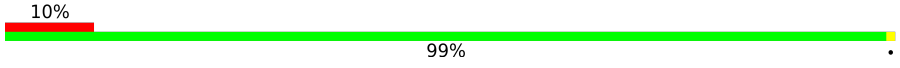
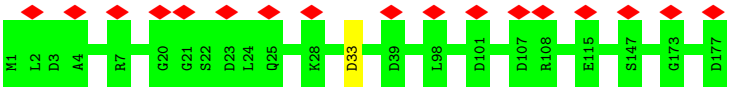




• Molecule 11: R-phycoerythrin beta chain

Chain eg:





• Molecule 11: R-phycoerythrin beta chain

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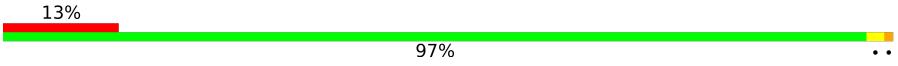

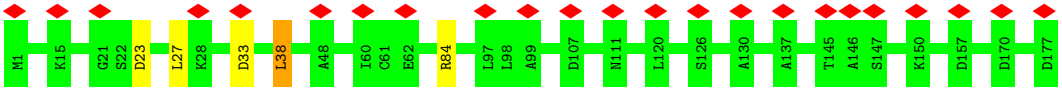

• Molecule 11: R-phycoerythrin beta chain

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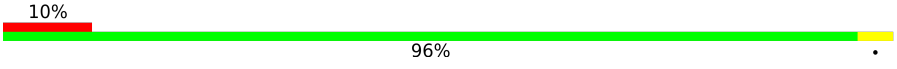
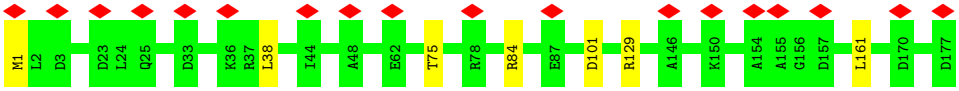
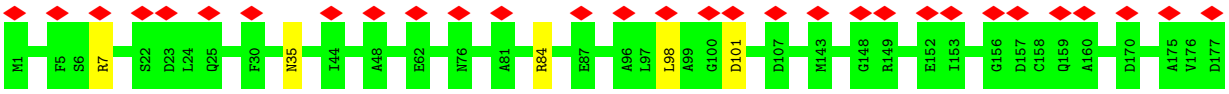
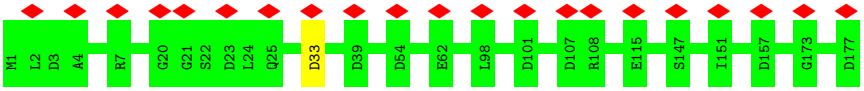




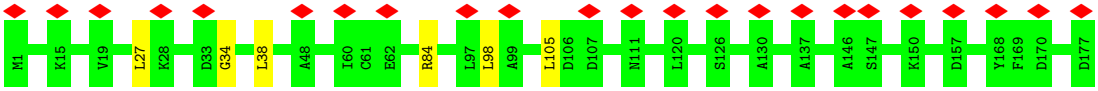
• Molecule 11: R-phycoerythrin beta chain



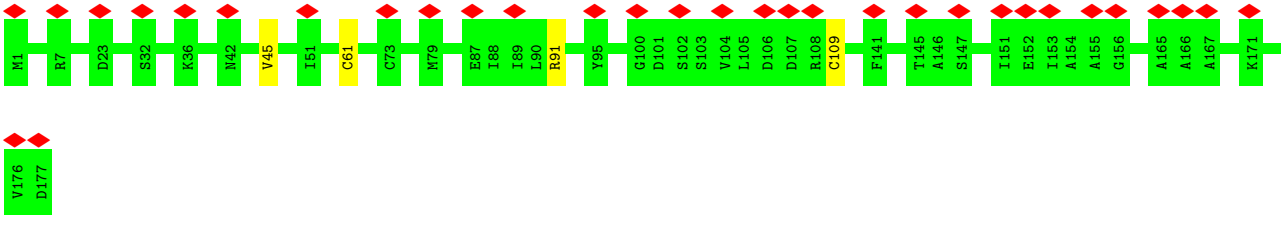
• Molecule 11: R-phycoerythrin beta chain



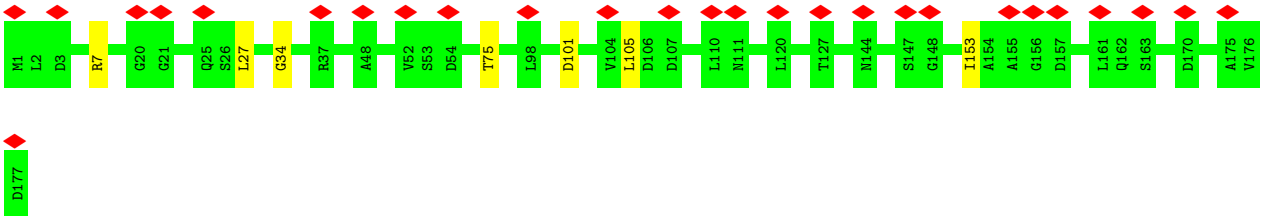
• Molecule 11: R-phycoerythrin beta chain



• Molecule 11: R-phycoerythrin beta chain

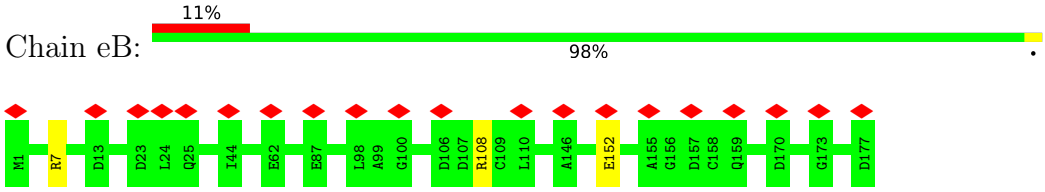


• Molecule 11: R-phycoerythrin beta chain



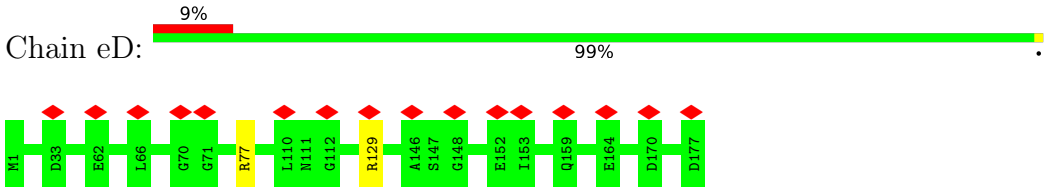
• Molecule 11: R-phycoerythrin beta chain

Chain eB:



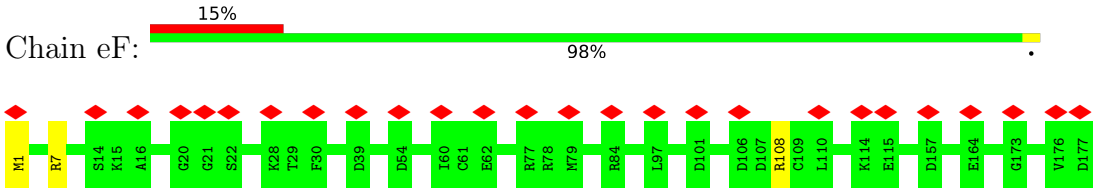
• Molecule 11: R-phycoerythrin beta chain

Chain eD:



• Molecule 11: R-phycoerythrin beta chain

Chain eF:



• Molecule 11: R-phycoerythrin beta chain

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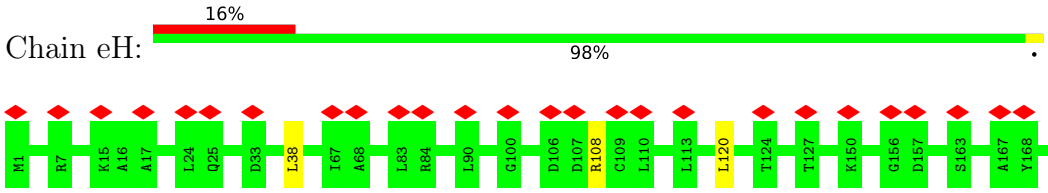

• Molecule 11: R-phycoerythrin beta chain

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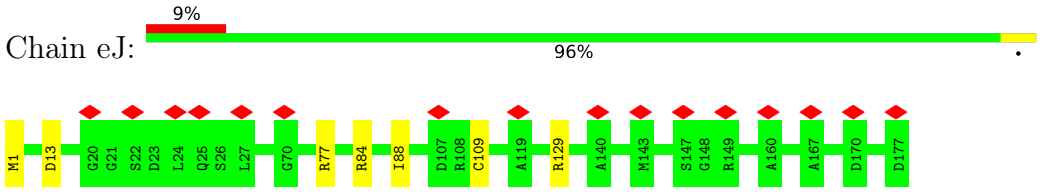

• Molecule 11: R-phycoerythrin beta chain

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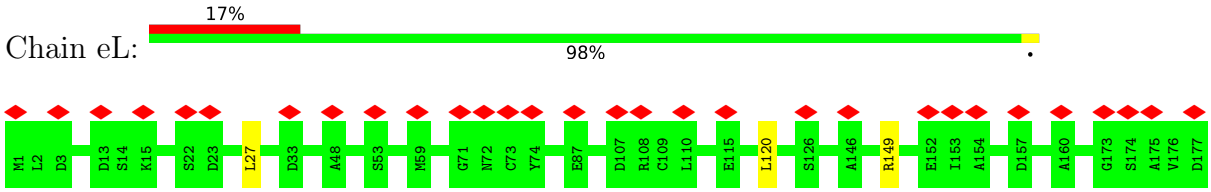

• Molecule 11: R-phycoerythrin beta chain

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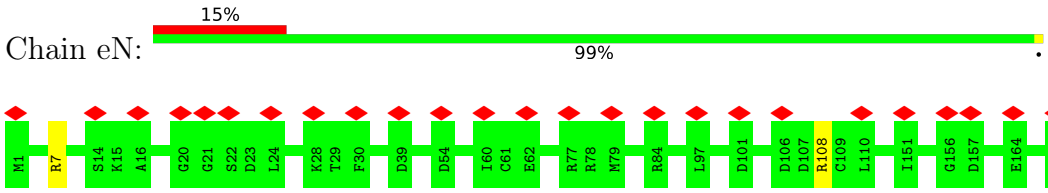
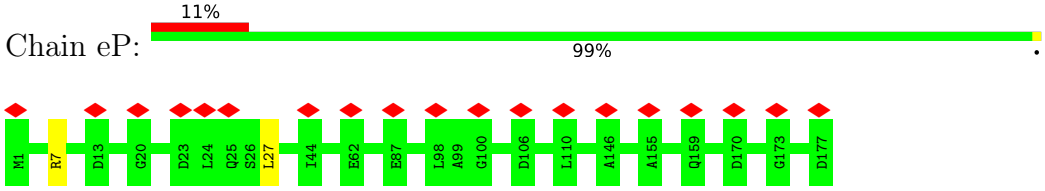


• Molecule 11: R-phycoerythrin beta chain

Chain eP:



• Molecule 11: R-phycoerythrin beta chain

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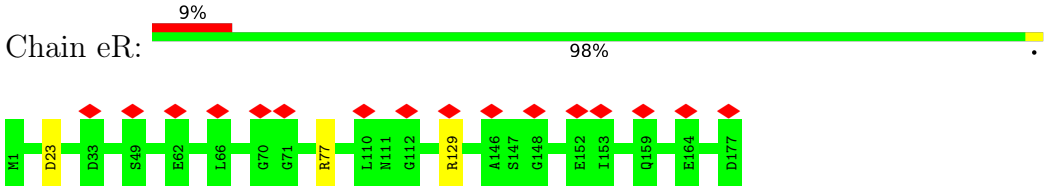

• Molecule 11: R-phycoerythrin beta chain

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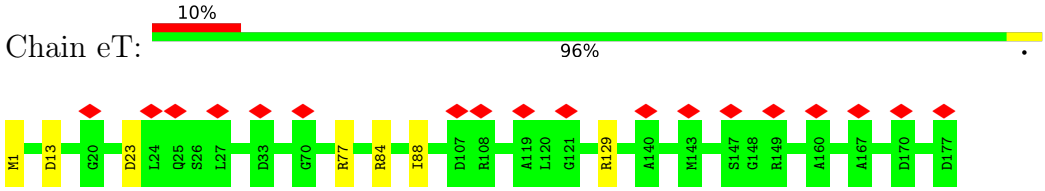

• Molecule 11: R-phycoerythrin beta chain

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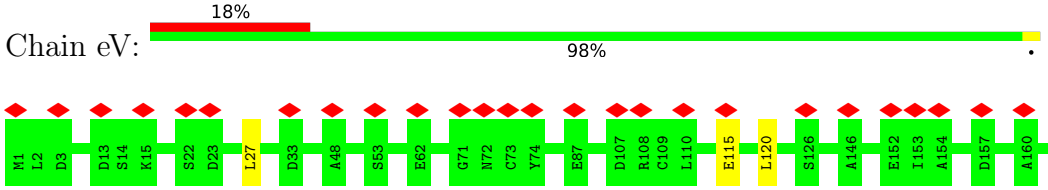

• Molecule 11: R-phycoerythrin beta chain

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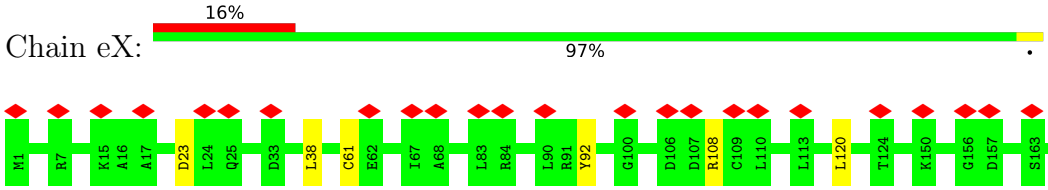

• Molecule 11: R-phycoerythrin beta chain

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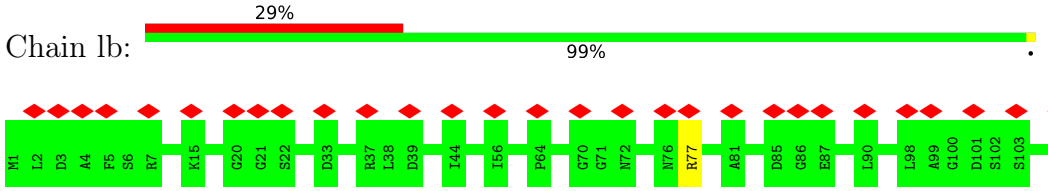

• Molecule 11: R-phycoerythrin beta chain

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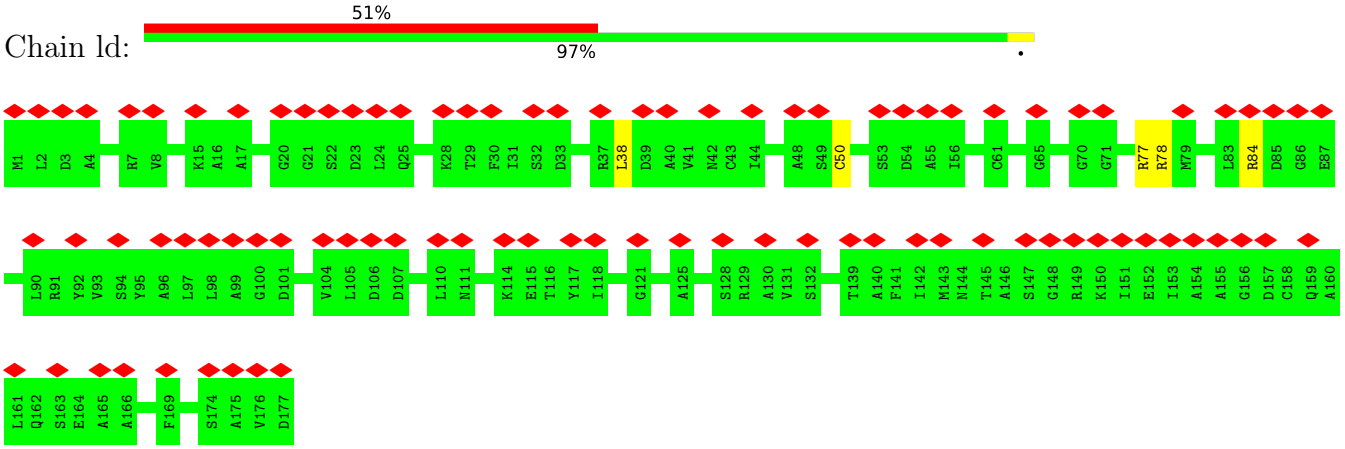

• Molecule 11: R-phycoerythrin beta chain

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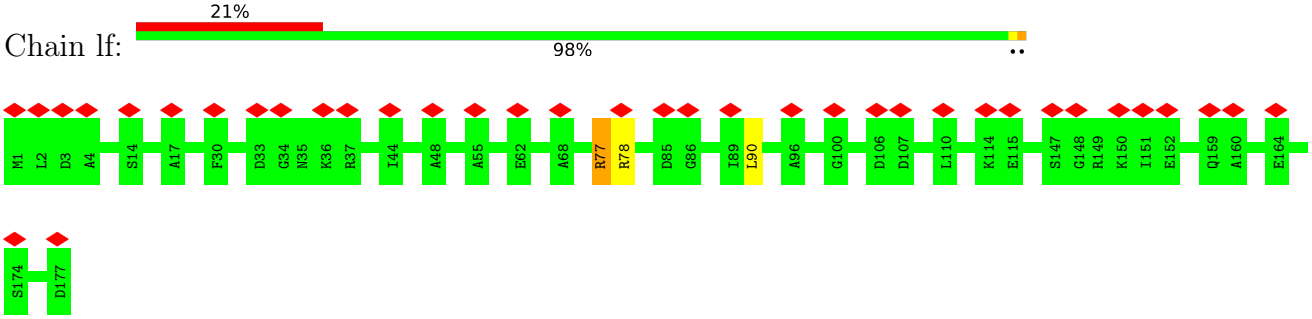

• Molecule 11: R-phycoerythrin beta chain

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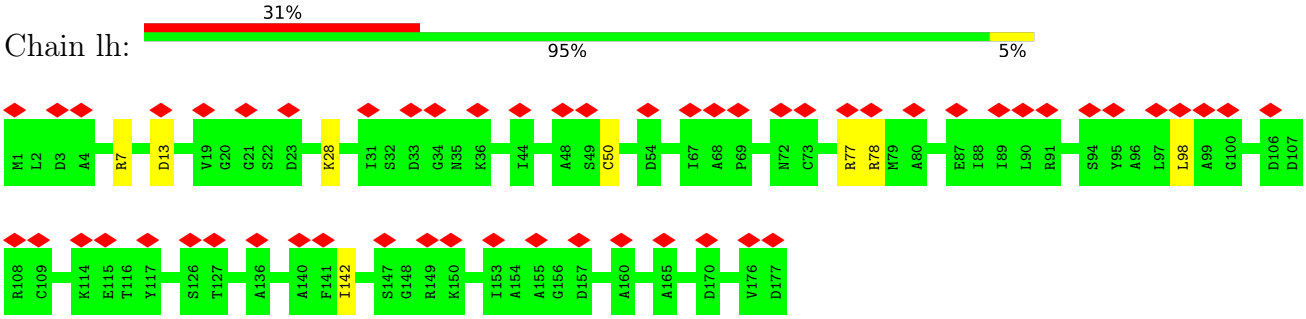

• Molecule 11: R-phycoerythrin beta chain

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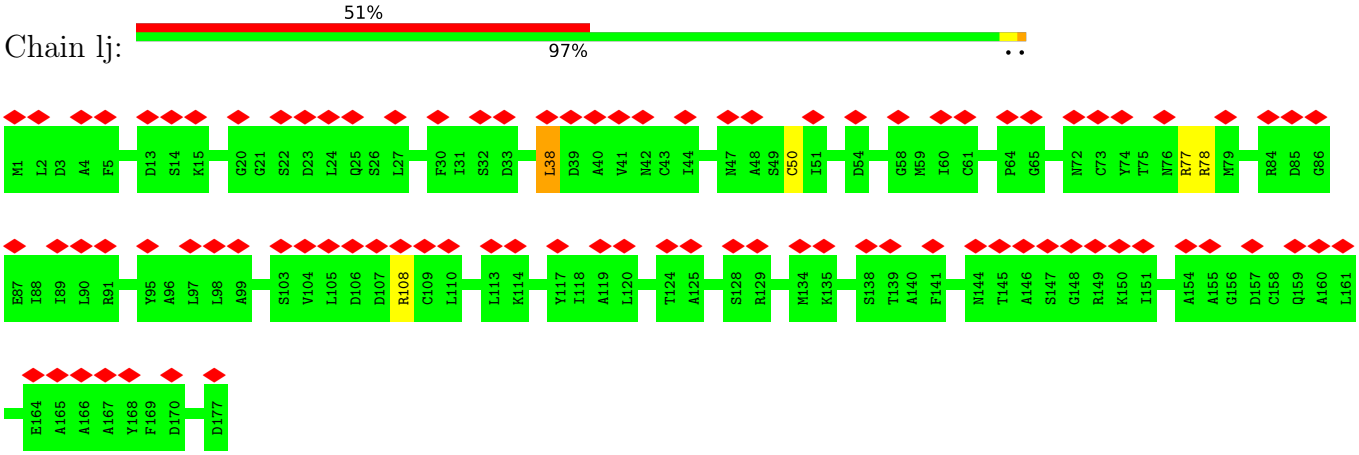

• Molecule 11: R-phycoerythrin beta chain

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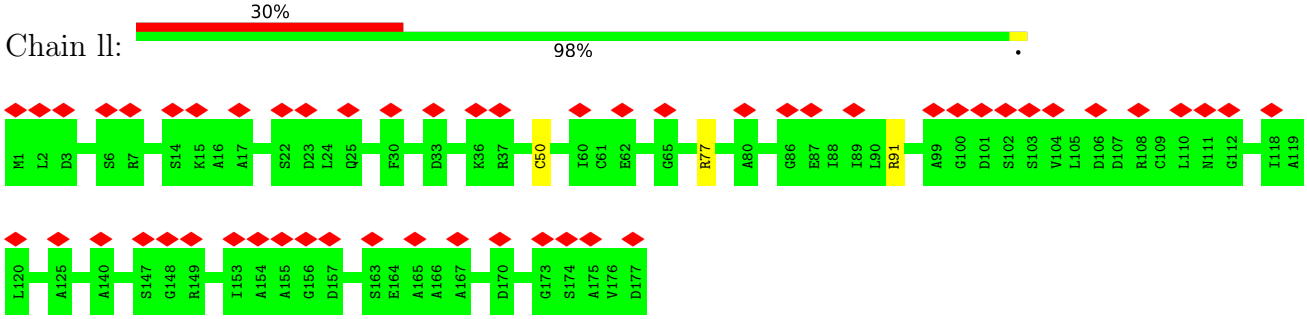

• Molecule 11: R-phycoerythrin beta chain

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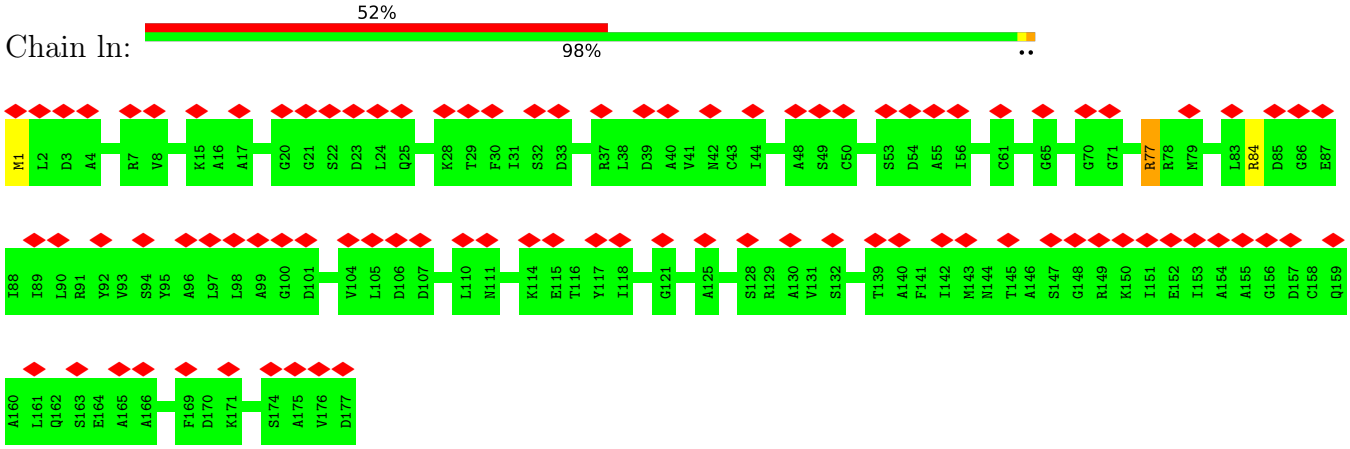

• Molecule 11: R-phycoerythrin beta chain

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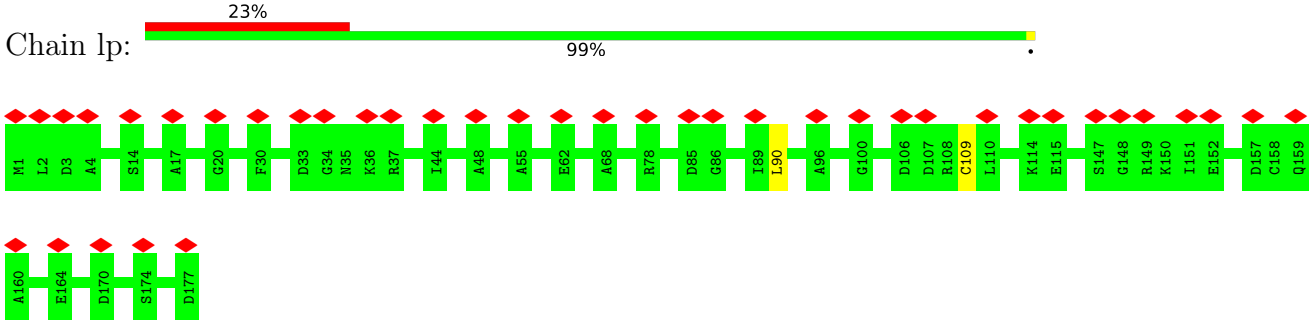

• Molecule 11: R-phycoerythrin beta chain

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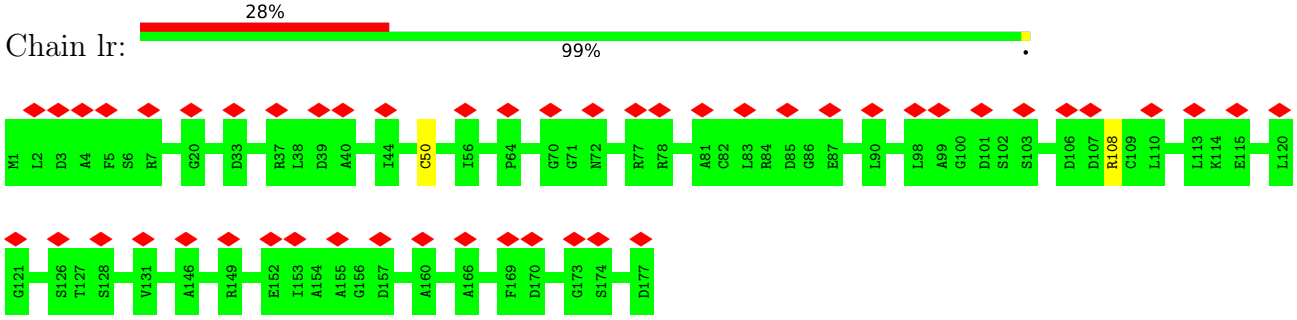

• Molecule 11: R-phycoerythrin beta chain

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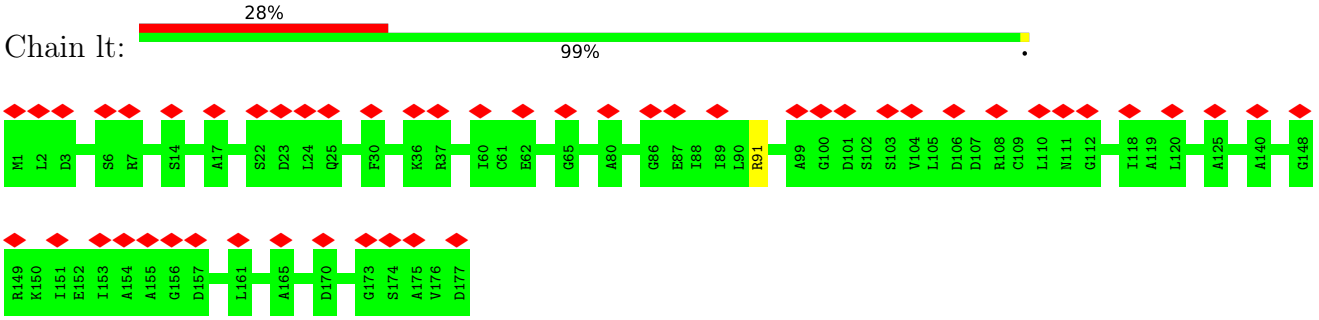

• Molecule 11: R-phycoerythrin beta chain

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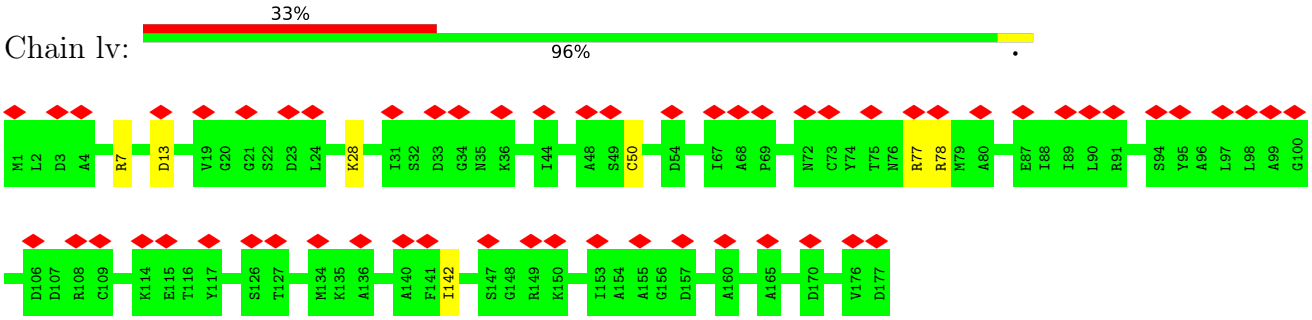

• Molecule 11: R-phycoerythrin beta chain

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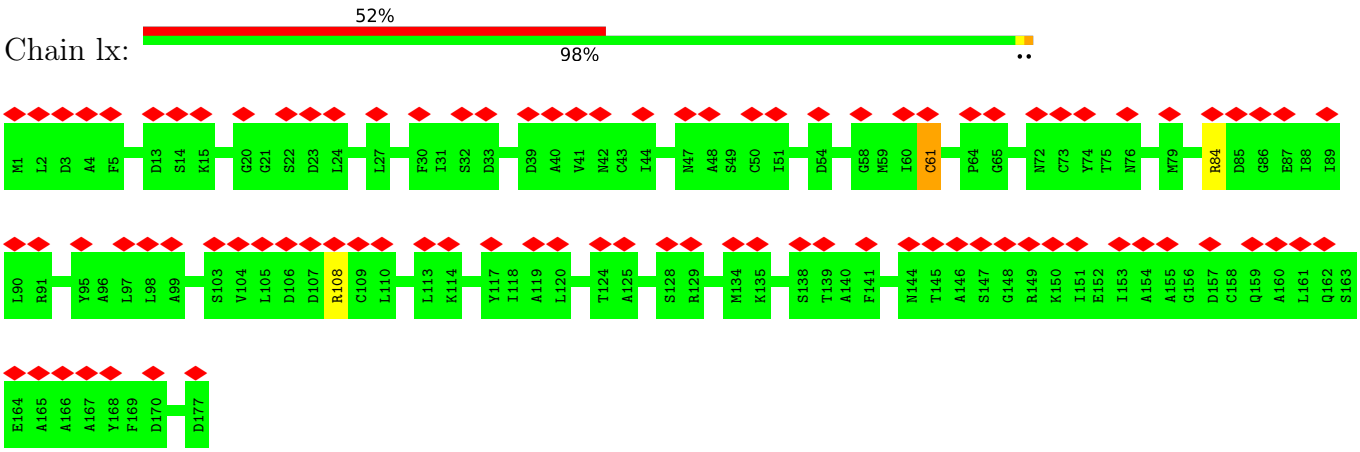

• Molecule 11: R-phycoerythrin beta chain

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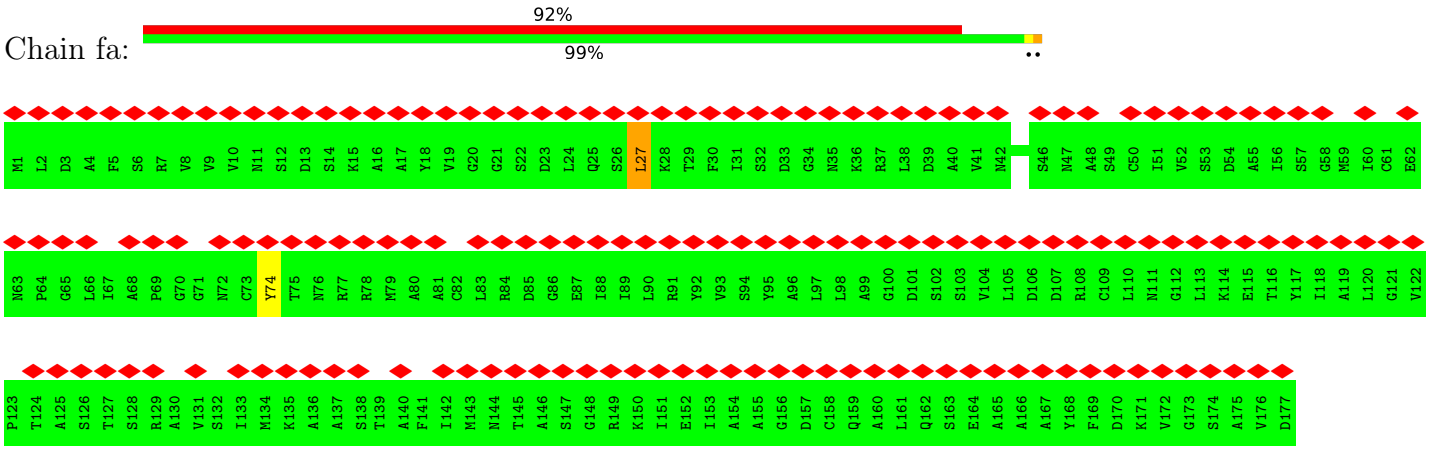
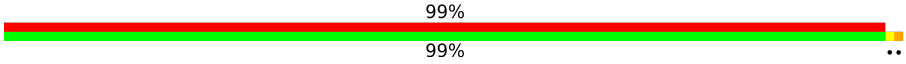
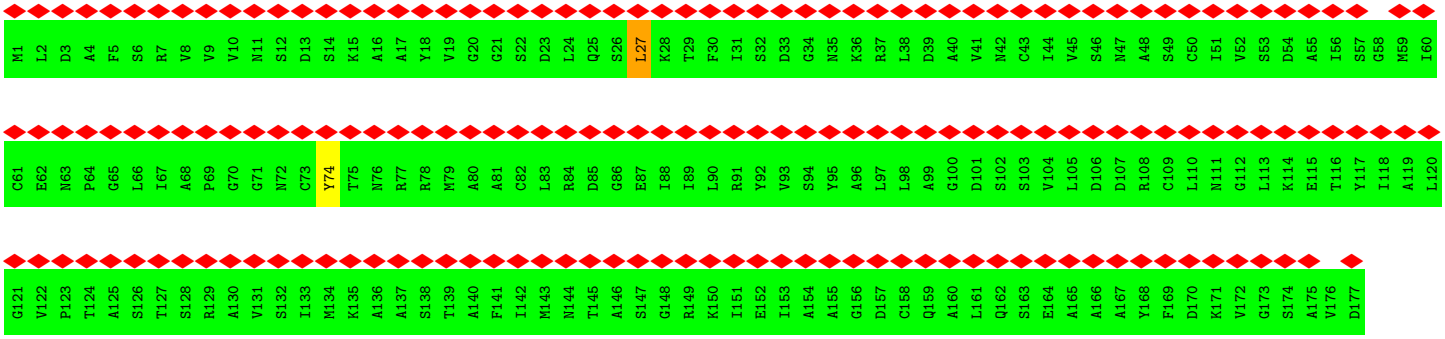


• Molecule 11: R-phycoerythrin beta chain

Chain fc:





• Molecule 11: R-phycoerythrin beta chain

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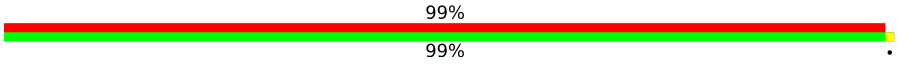

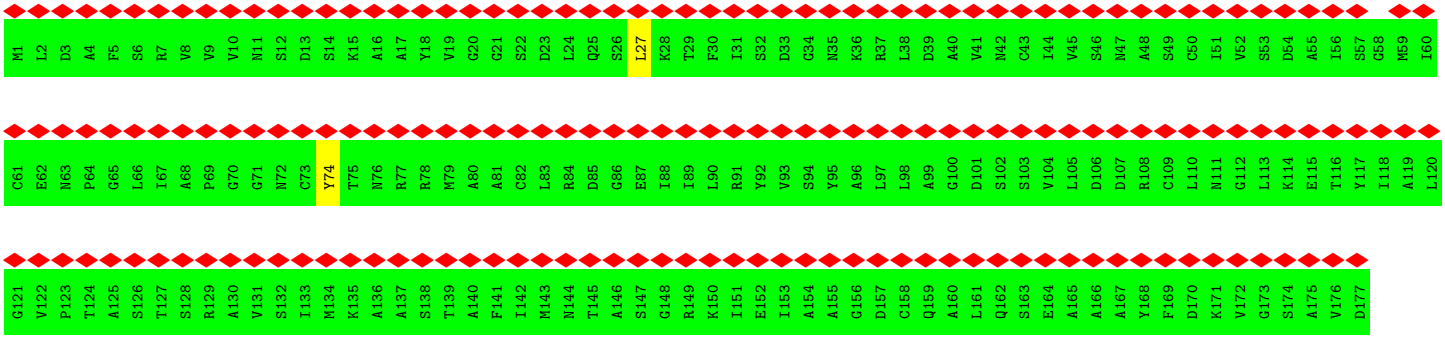

• Molecule 11: R-phycoerythrin beta chain

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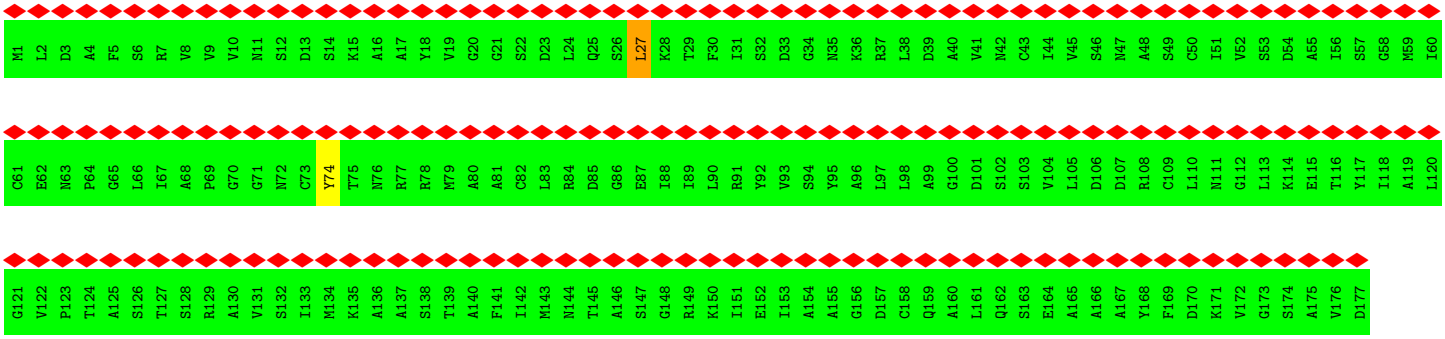

• Molecule 11: R-phycoerythrin beta chain

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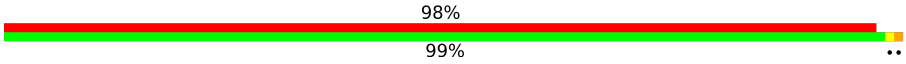

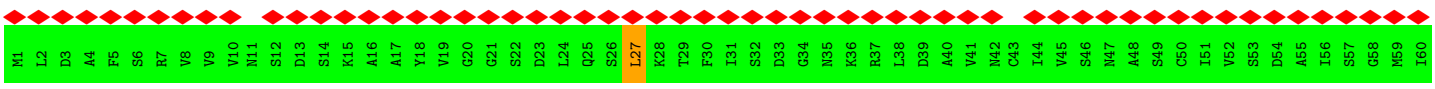

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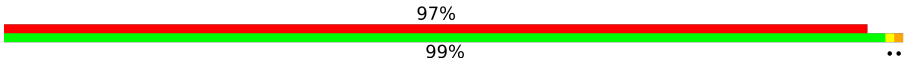
G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain fm:



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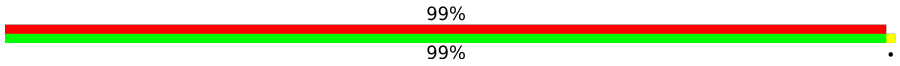
C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain fo:



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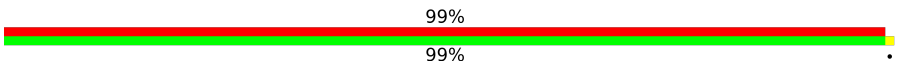
G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain fq:



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C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

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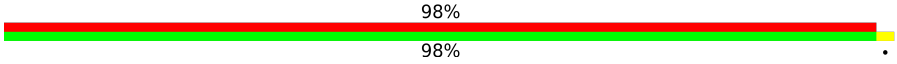

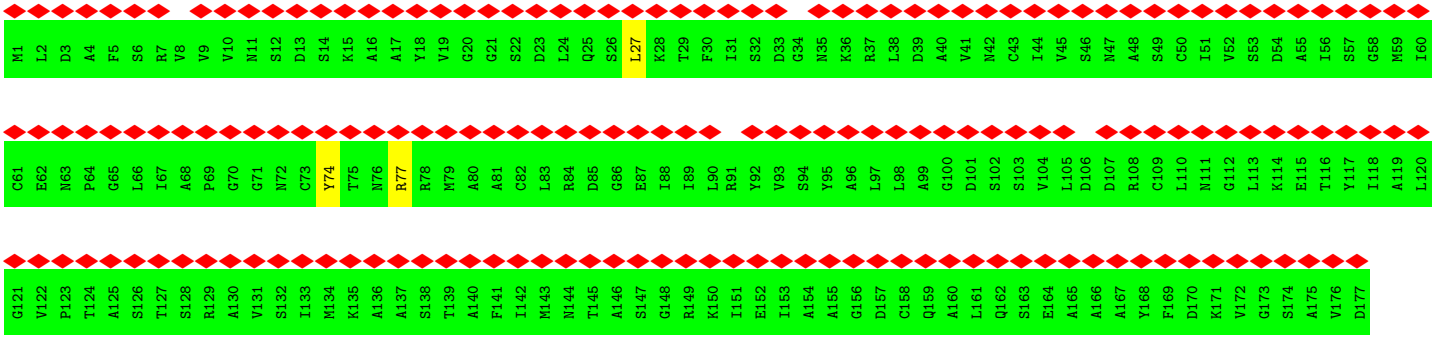

• Molecule 11: R-phycoerythrin beta chain

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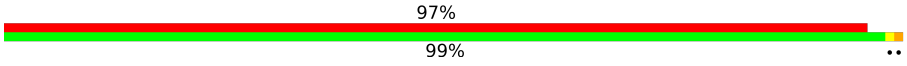
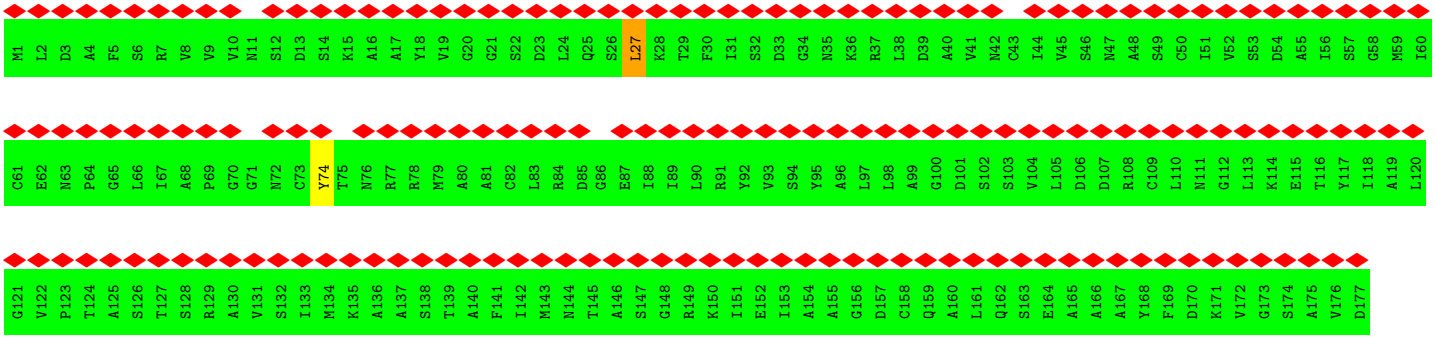
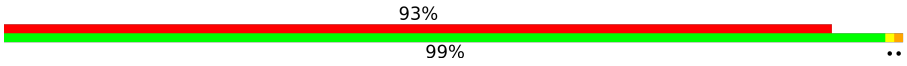
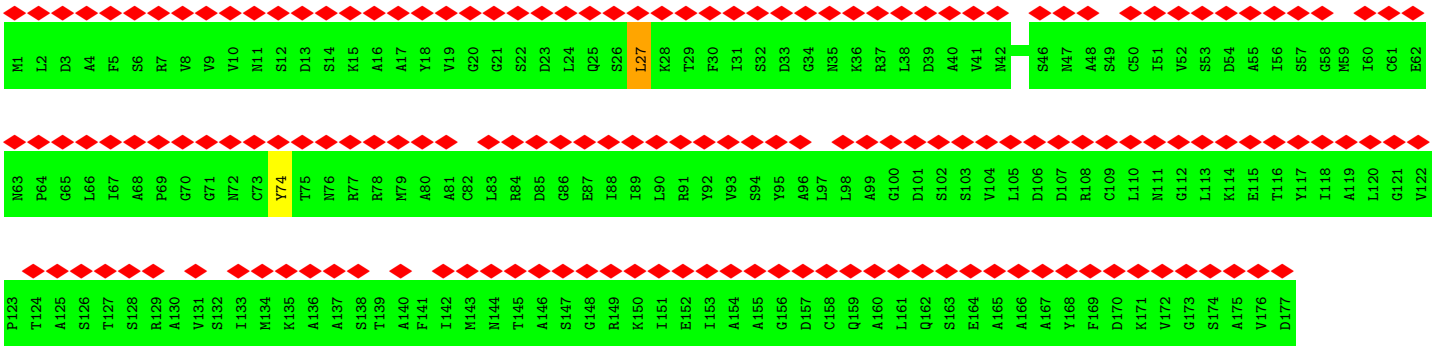




• Molecule 11: R-phycoerythrin beta chain

Chain fw:





• Molecule 11: R-phycoerythrin beta chain

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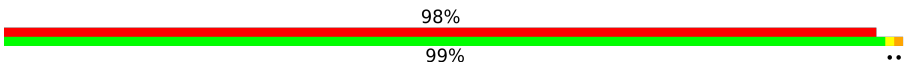

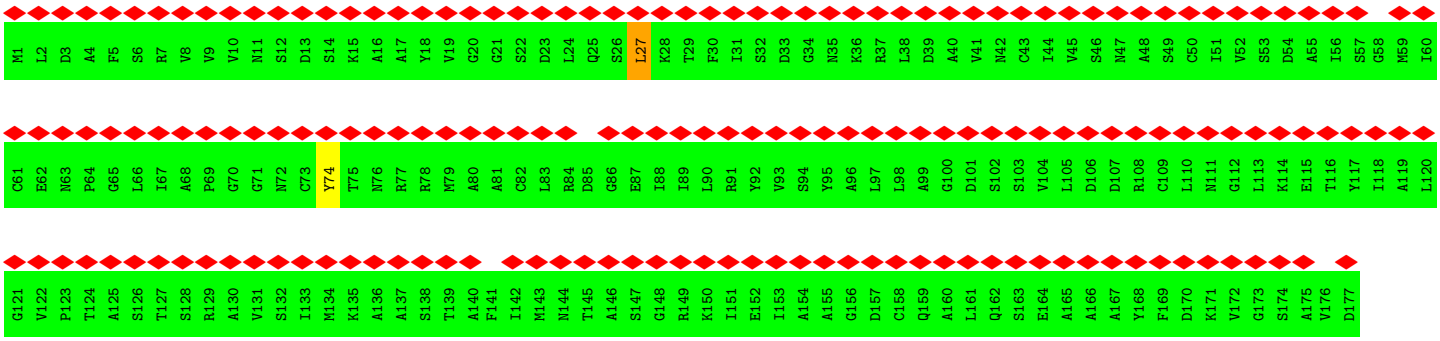

• Molecule 11: R-phycoerythrin beta chain

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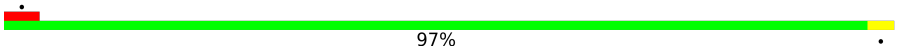

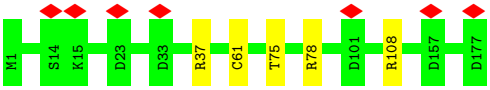

• Molecule 11: R-phycoerythrin beta chain

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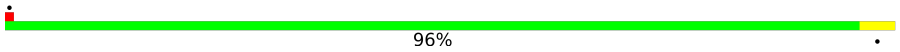

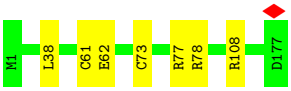

• Molecule 11: R-phycoerythrin beta chain

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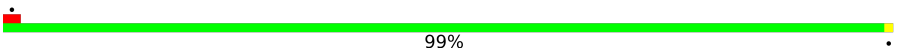
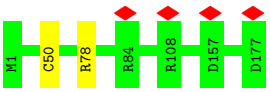
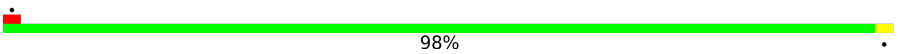
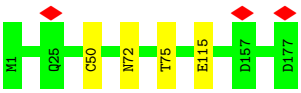




• Molecule 11: R-phycoerythrin beta chain

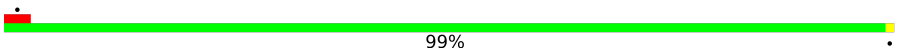
Chain gg:

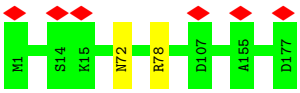




• Molecule 11: R-phycoerythrin beta chain

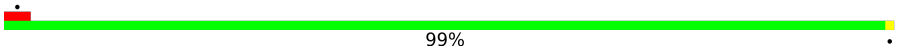
Chain gi:

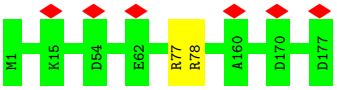




• Molecule 11: R-phycoerythrin beta chain

Chain gk:





• Molecule 11: R-phycoerythrin beta chain

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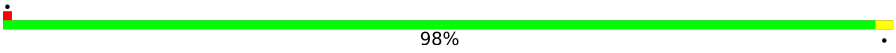
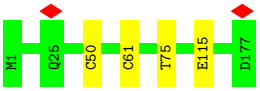
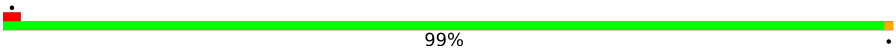
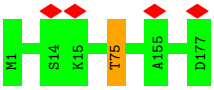




• Molecule 11: R-phycoerythrin beta chain

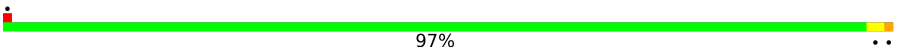
Chain gp:

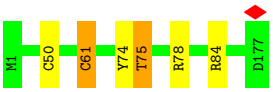




• Molecule 11: R-phycoerythrin beta chain

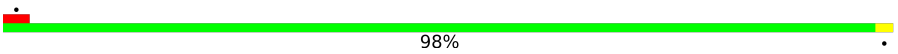
Chain gr:

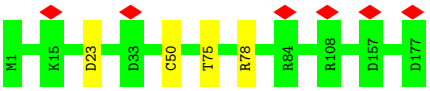




• Molecule 11: R-phycoerythrin beta chain

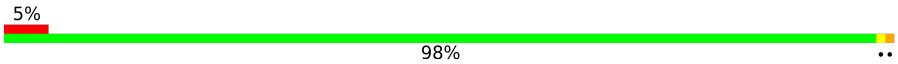
Chain gt:

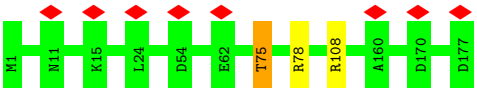




• Molecule 11: R-phycoerythrin beta chain

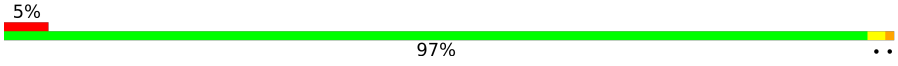
Chain gv:

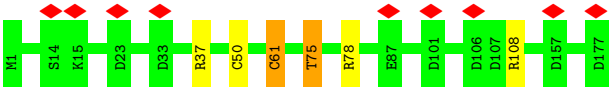




• Molecule 11: R-phycoerythrin beta chain

Chain gx:





• Molecule 11: R-phycoerythrin beta chain

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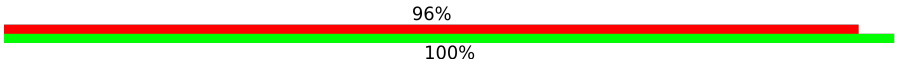
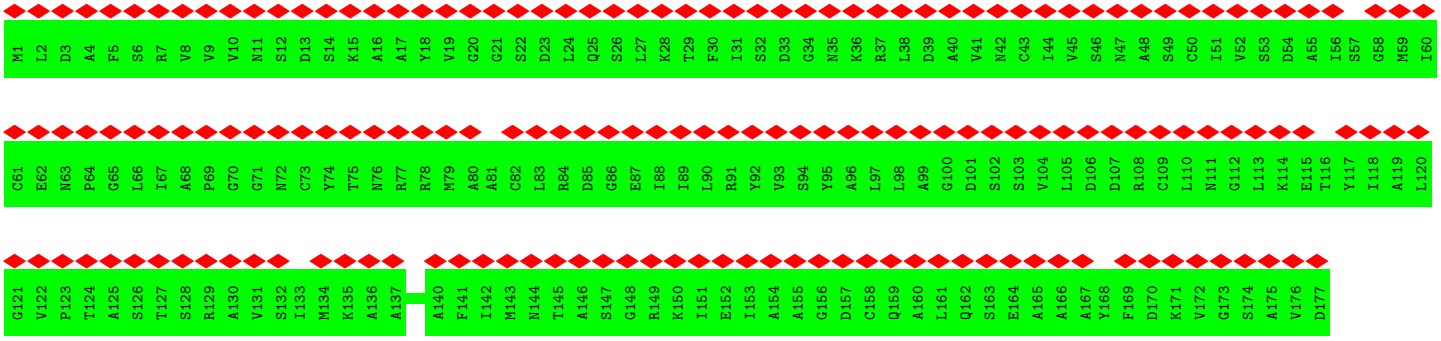
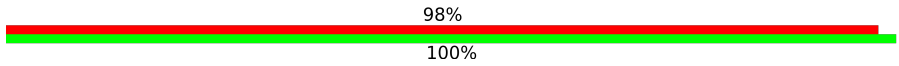
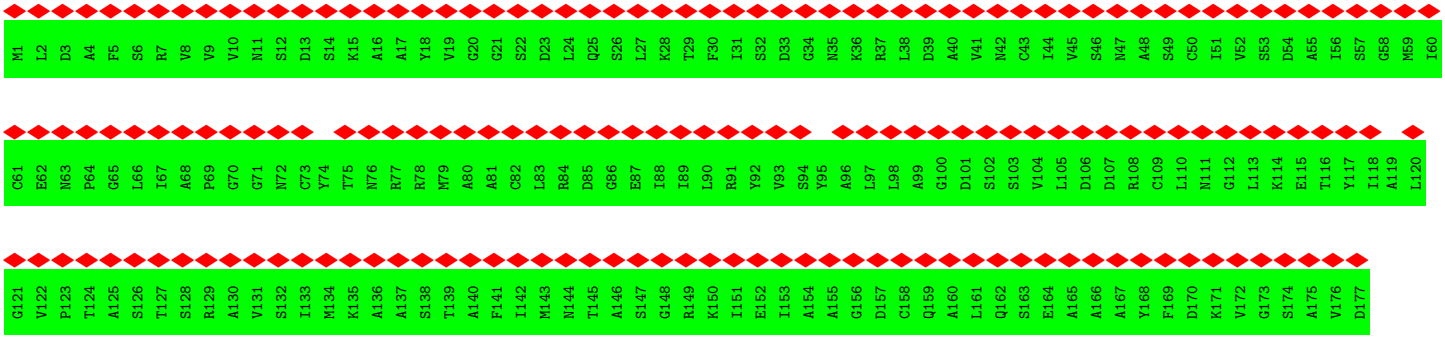




• Molecule 11: R-phycoerythrin beta chain

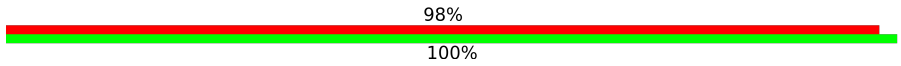
Chain hD:

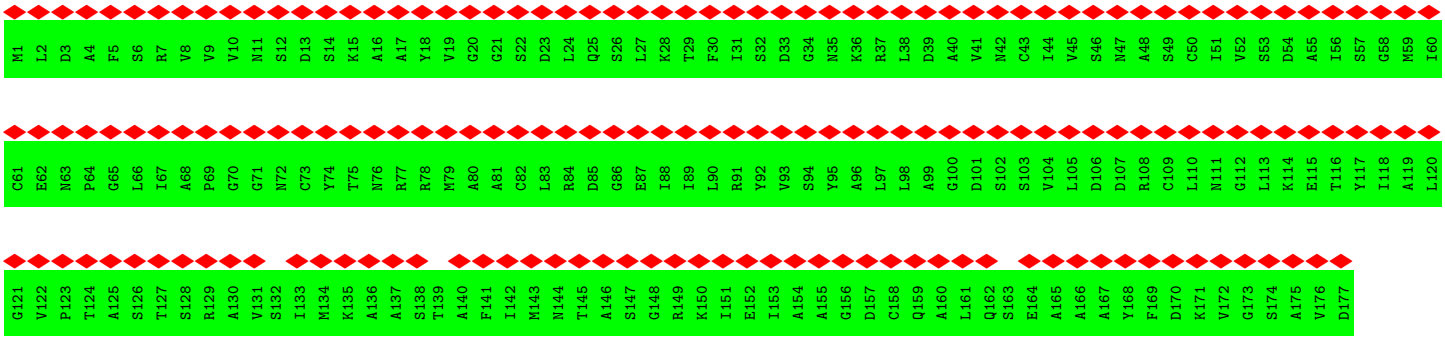




• Molecule 11: R-phycoerythrin beta chain

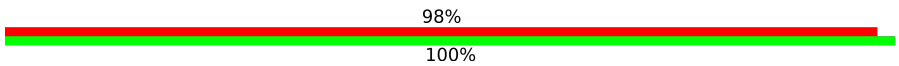
Chain hG:





• Molecule 11: R-phycoerythrin beta chain

Chain hH:



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C61 E62 M63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

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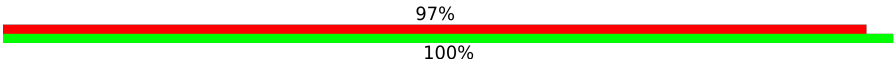
- Molecule 11: R-phycoerythrin beta chain

Chain hJ:



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C61 E62 M63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

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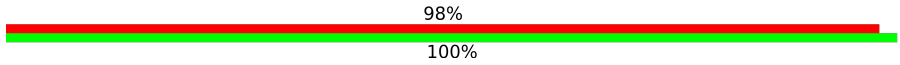
- Molecule 11: R-phycoerythrin beta chain

Chain hL:



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C61 E62 M63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

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- Molecule 11: R-phycoerythrin beta chain

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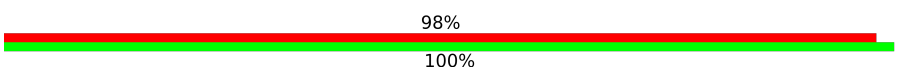

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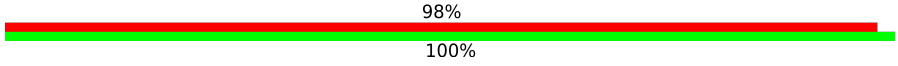
C61 E62 M63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain hP:



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C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

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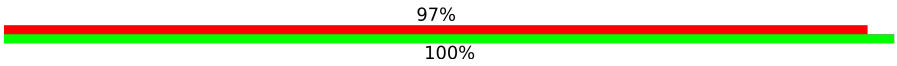
• Molecule 11: R-phycoerythrin beta chain

Chain hR:



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C61 E62 N63 P64 G65 L66 I67 A68 P69 G70 G71 N72 C73 Y74 T75 N76 R77 R78 M79 A80 A81 C82 L83 R84 D85 G86 E87 I88 I89 L90 R91 Y92 V93 S94 Y95 A96 L97 L98 A99 G100 D101 S102 S103 V104 L105 D106 D107 R108 C109 L110 N111 G112 L113 K114 E115 T116 Y117 I118 A119 L120

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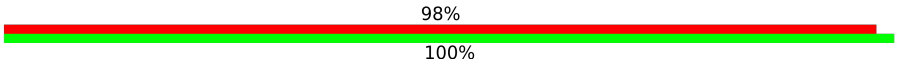
• Molecule 11: R-phycoerythrin beta chain

Chain hT:



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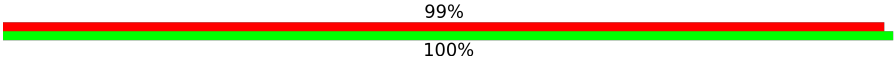
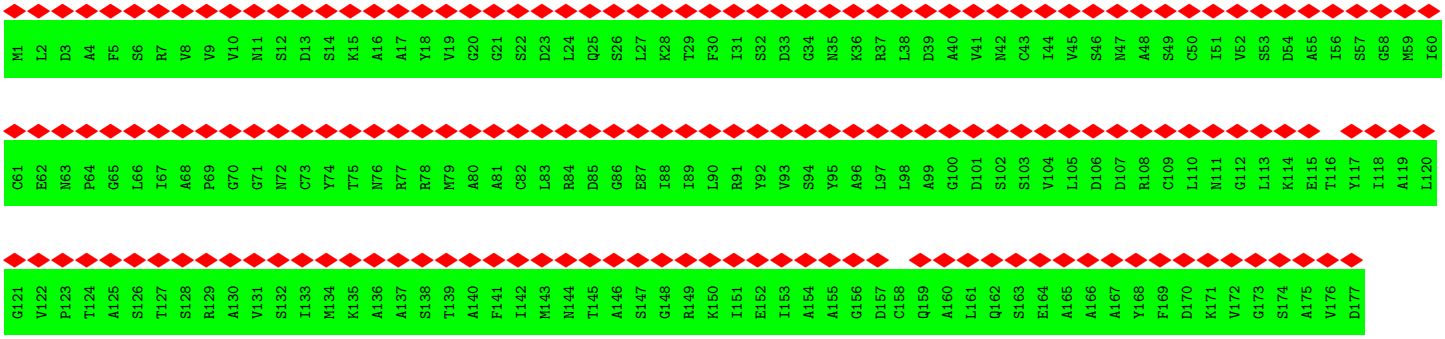
G121 V122 P123 T124 A125 S126 T127 S128 R129 A130 V131 S132 I133 M134 K135 A136 A137 S138 T139 A140 F141 I142 M143 N144 T145 A146 S147 G148 R149 K150 I151 E152 I153 A154 A155 G156 D157 C158 Q159 A160 L161 Q162 S163 E164 A165 A166 A167 Y168 F169 D170 K171 V172 G173 S174 A175 V176 D177

• Molecule 11: R-phycoerythrin beta chain

Chain hV:





• Molecule 11: R-phycoerythrin beta chain

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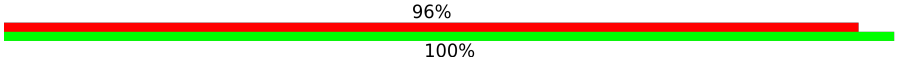

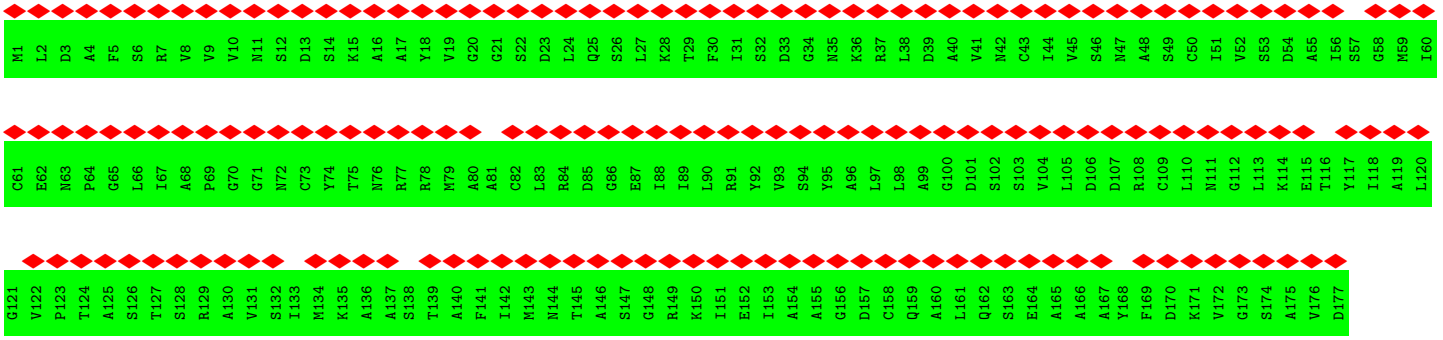

• Molecule 11: R-phycoerythrin beta chain

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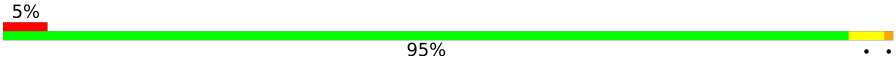
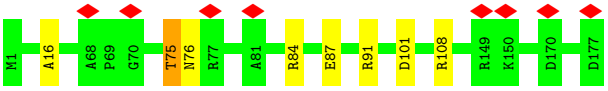
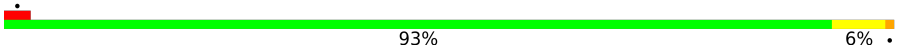
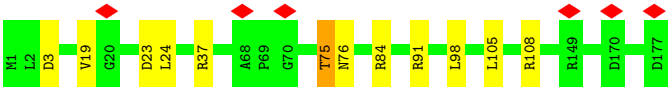




• Molecule 11: R-phycoerythrin beta chain

Chain iD:





• Molecule 11: R-phycoerythrin beta chain

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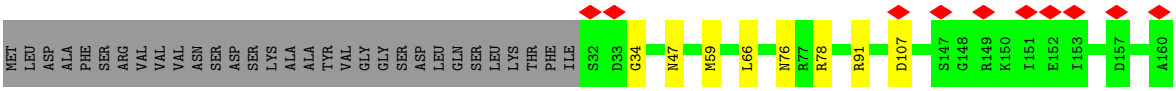
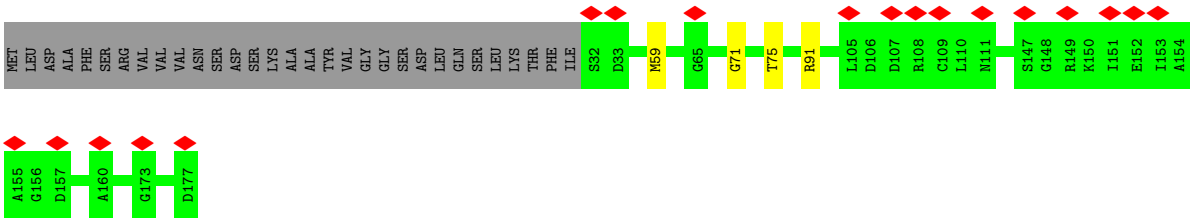


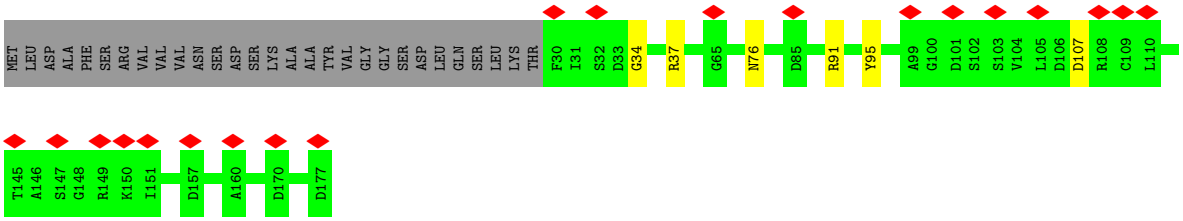
• Molecule 11: R-phycoerythrin beta chain

Chain iF:



• Molecule 11: R-phycoerythrin beta chain

Chain iG:



• Molecule 11: R-phycoerythrin beta chain

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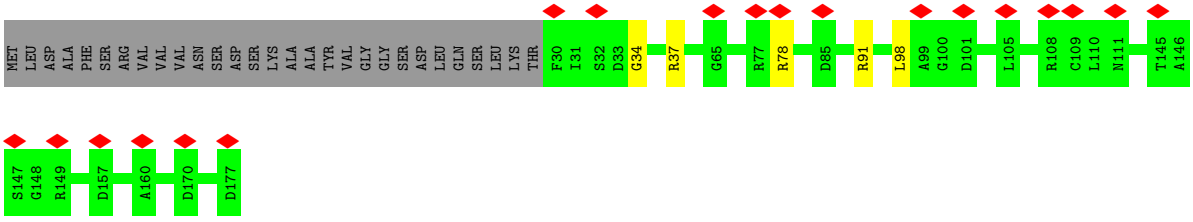
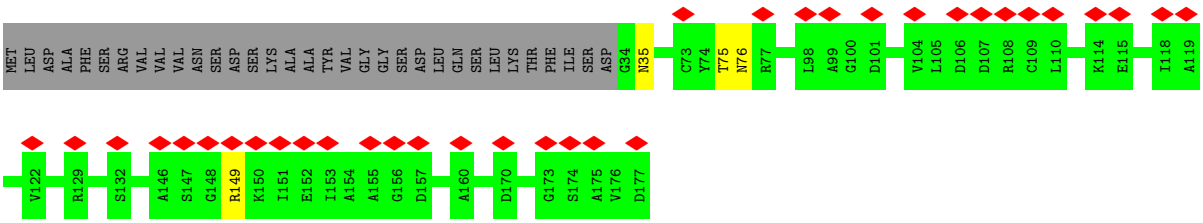


• Molecule 11: R-phycoerythrin beta chain

Chain jI:



• Molecule 11: R-phycoerythrin beta chain

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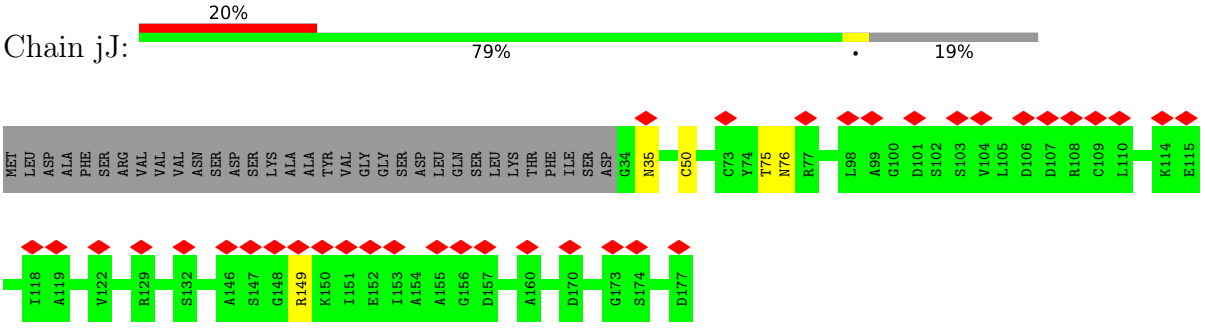

• Molecule 11: R-phycoerythrin beta chain

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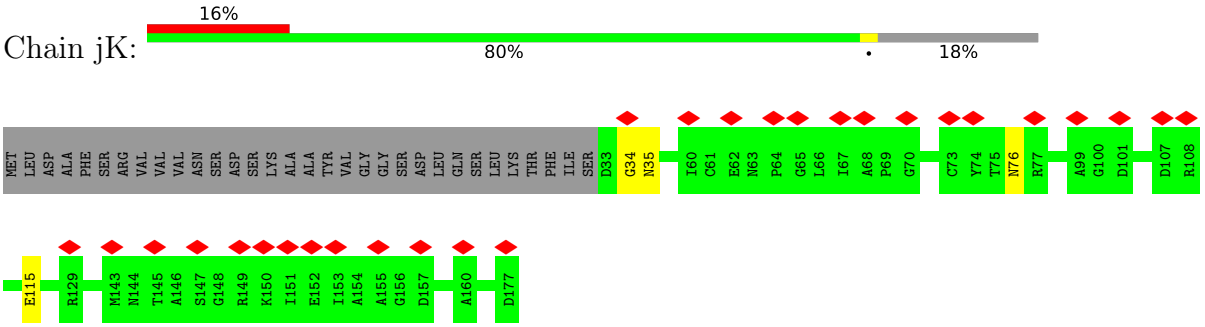
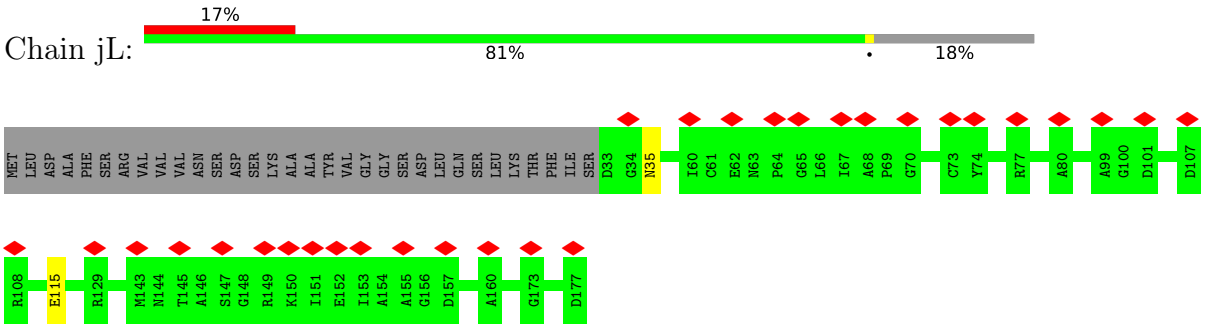


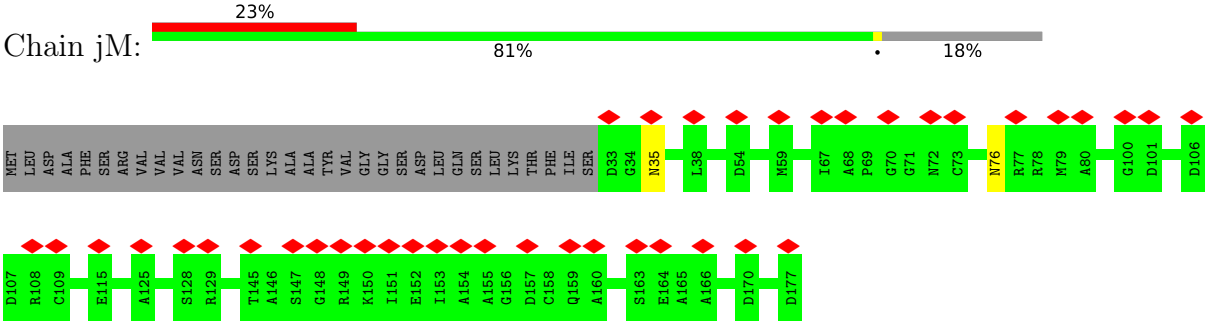
• Molecule 11: R-phycoerythrin beta chain

Chain jL:



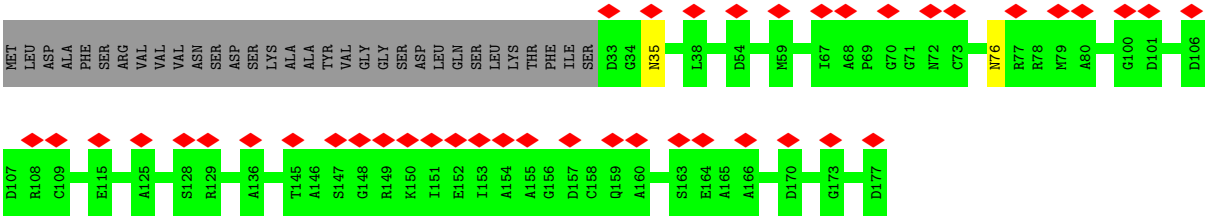
• Molecule 11: R-phycoerythrin beta chain

Chain jM:



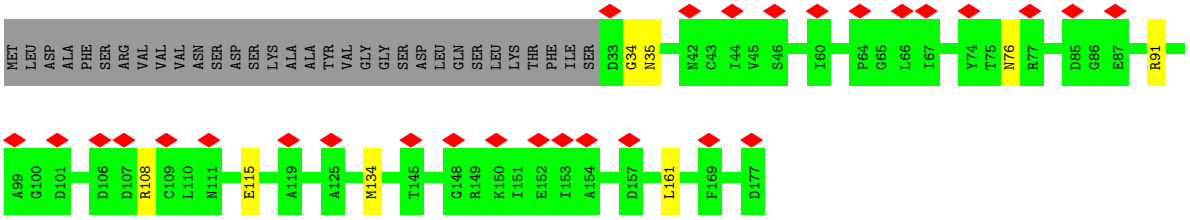
• Molecule 11: R-phycoerythrin beta chain

Chain jN:



• Molecule 11: R-phycoerythrin beta chain

Chain jO:



• Molecule 11: R-phycoerythrin beta chain

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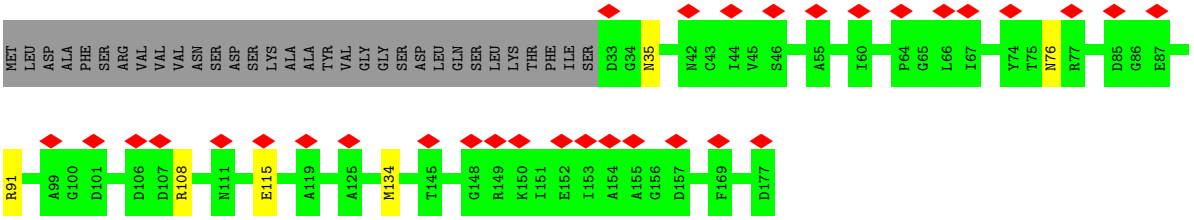
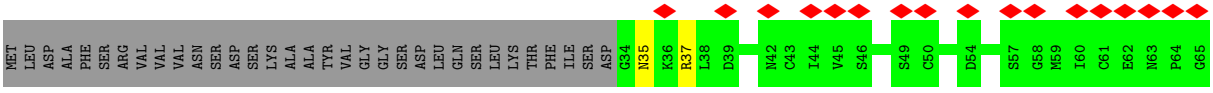
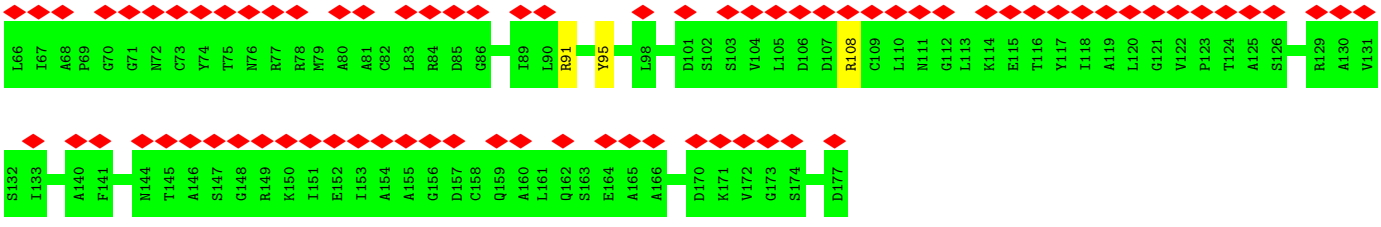


• Molecule 11: R-phycoerythrin beta chain

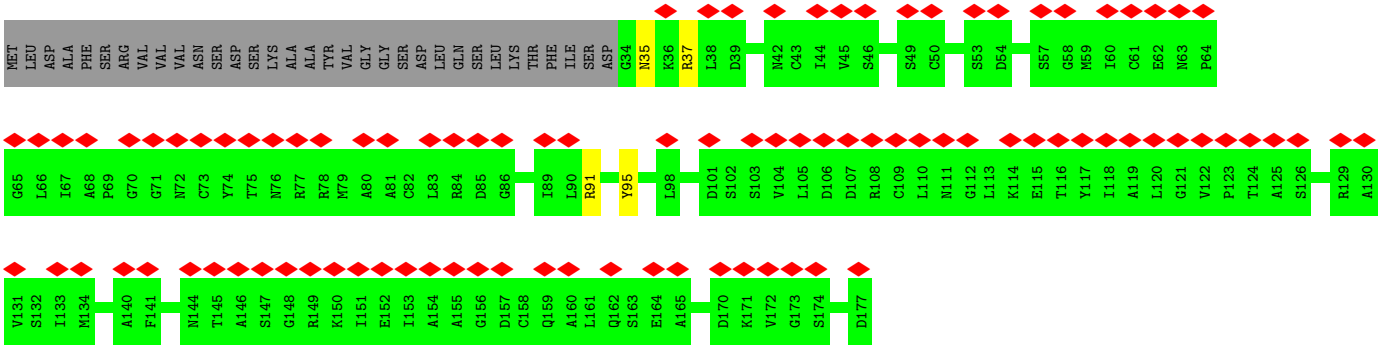
Chain kQ:





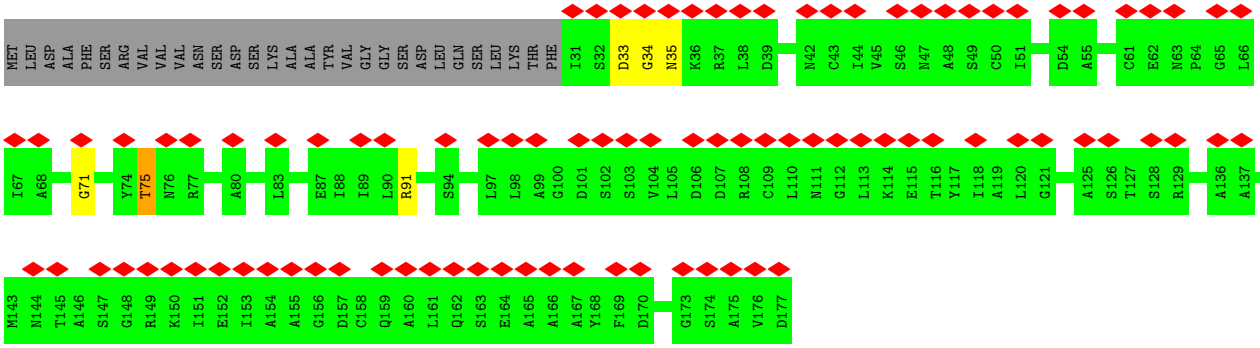
• Molecule 11: R-phycoerythrin beta chain

Chain kR:



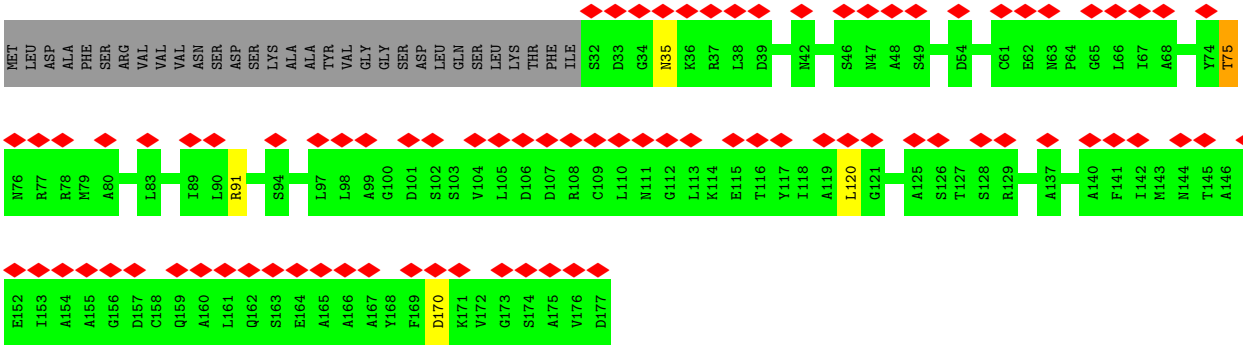
• Molecule 11: R-phycoerythrin beta chain

Chain kS:



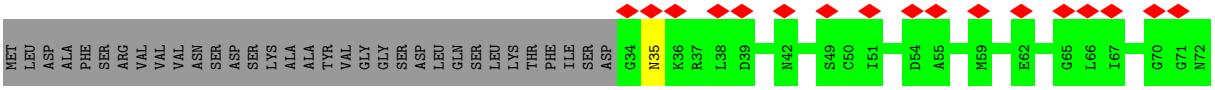
• Molecule 11: R-phycoerythrin beta chain

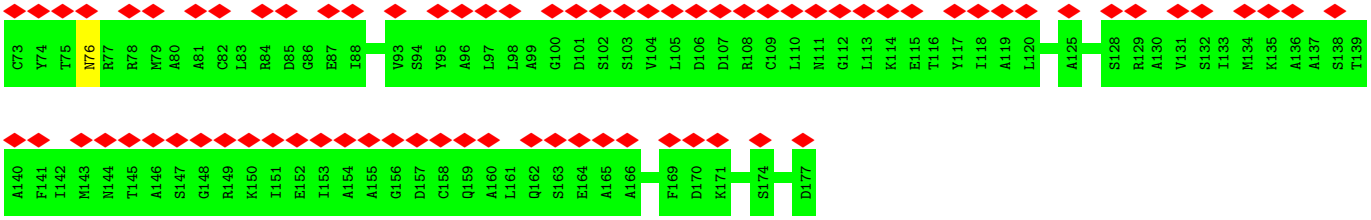
Chain kT:



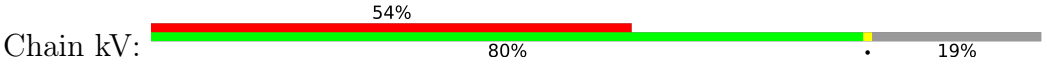
• Molecule 11: R-phycoerythrin beta chain

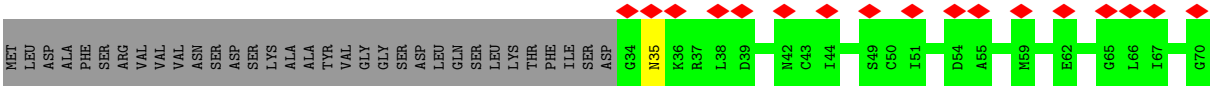
Chain kU:

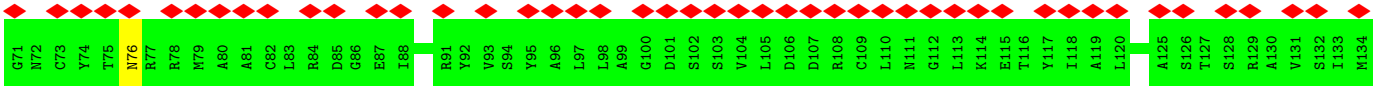


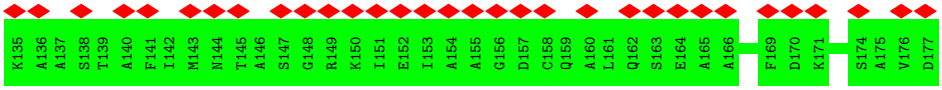


• Molecule 11: R-phycoerythrin beta chain

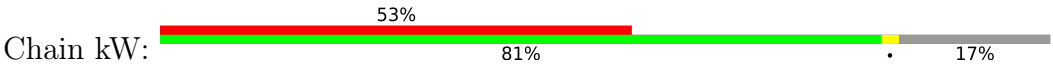


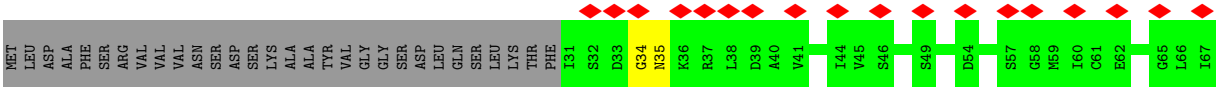


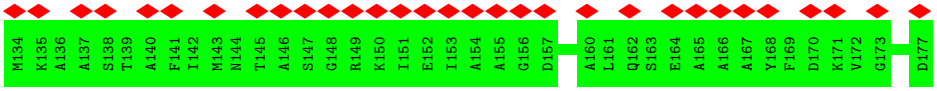




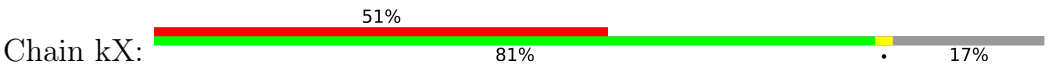
• Molecule 11: R-phycoerythrin beta chain

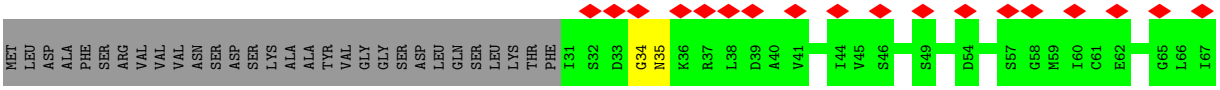


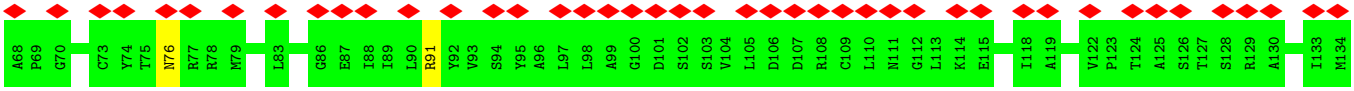


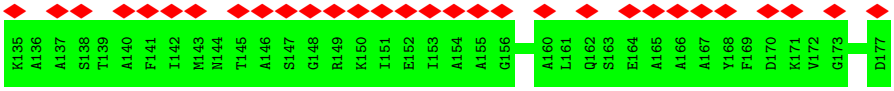


• Molecule 11: R-phycoerythrin beta chain



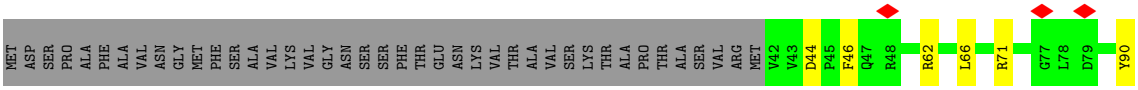


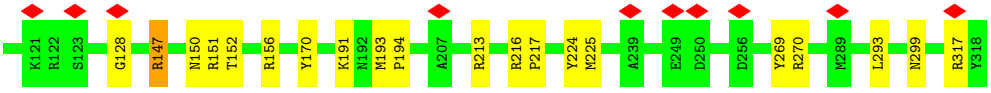




• Molecule 12: LR_gamma4

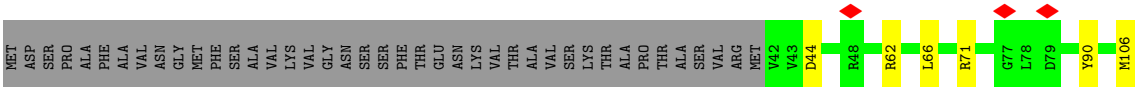
Chain A2:





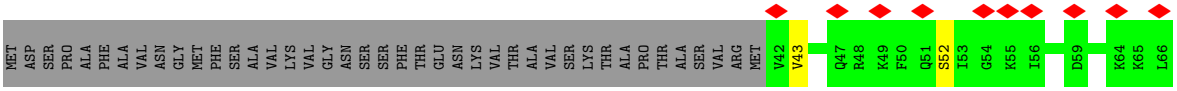
• Molecule 12: LR_gamma4

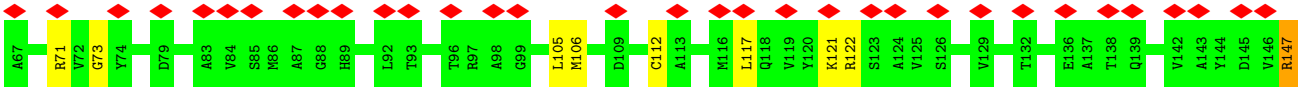
Chain a3:

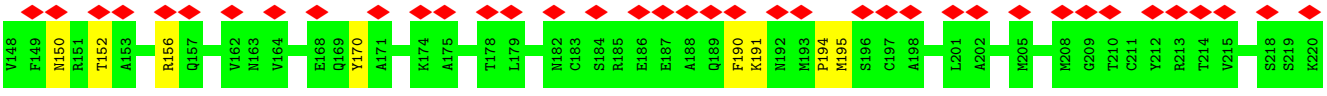


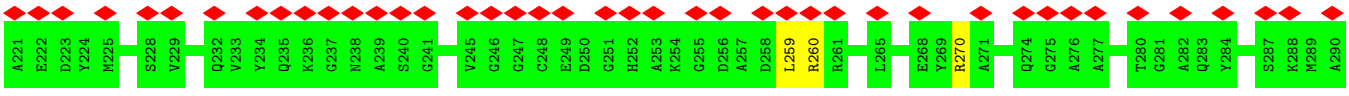
• Molecule 12: LR_gamma4

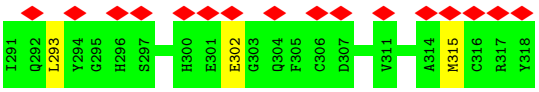
Chain 34:





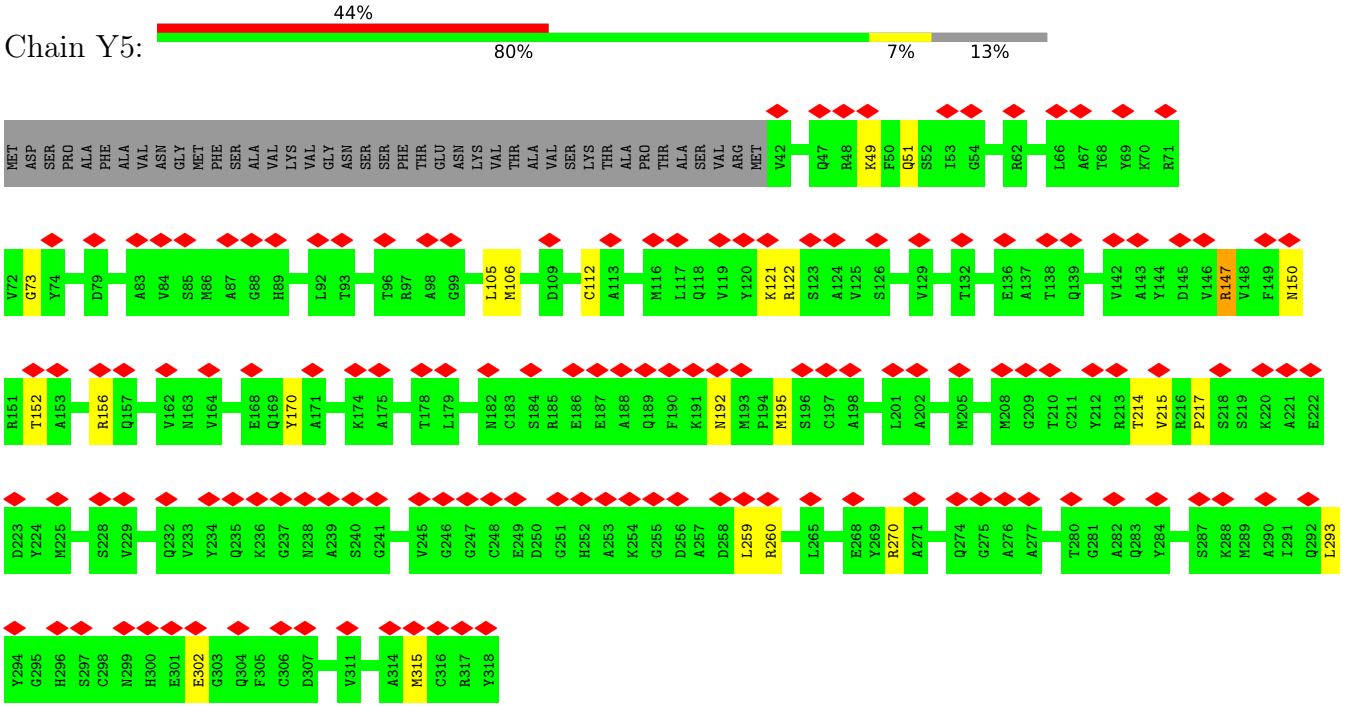






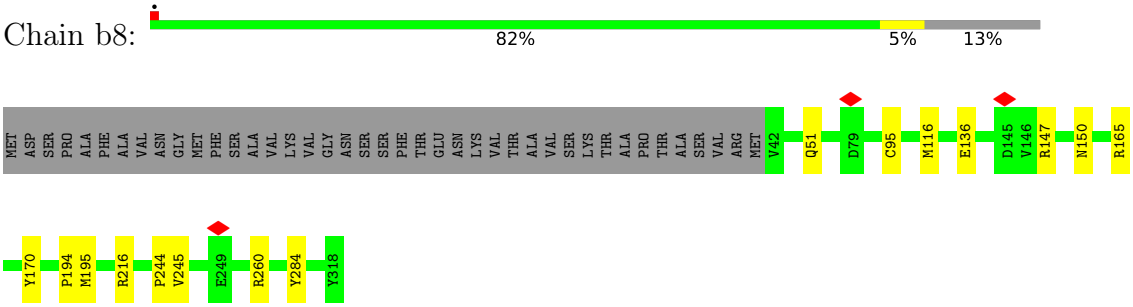
• Molecule 12: LR_gamma4

Chain Y5:



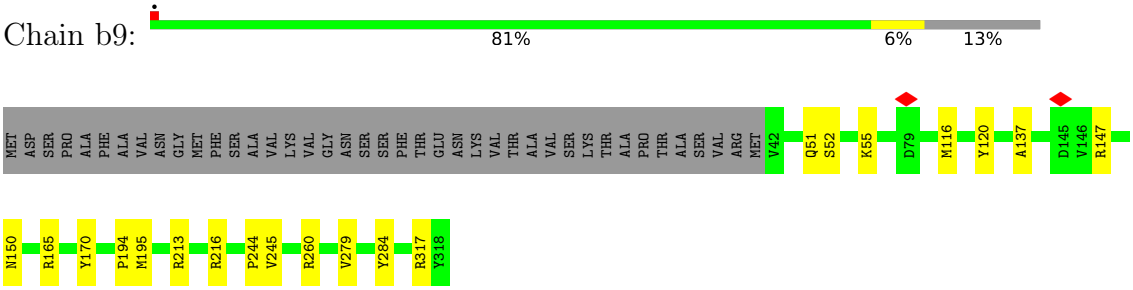
• Molecule 12: LR_gamma4

Chain b8:



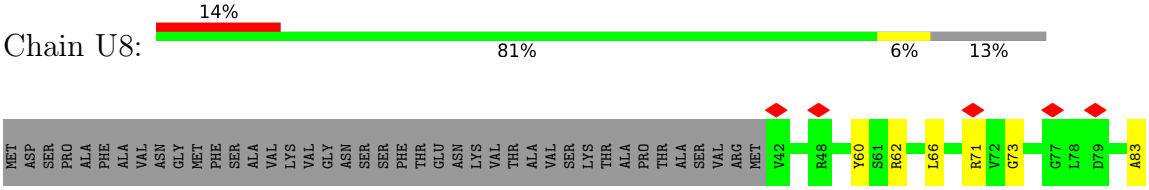
• Molecule 12: LR_gamma4

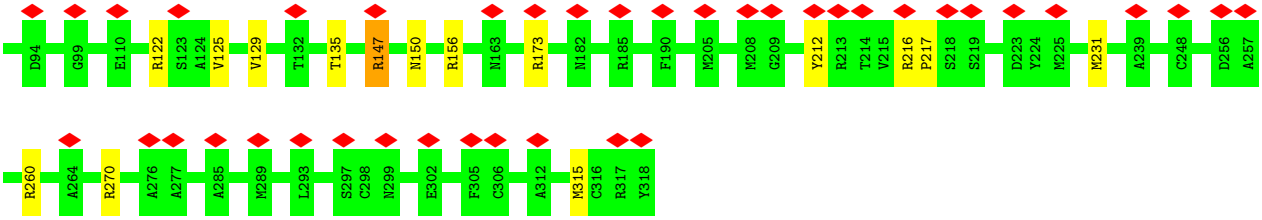
Chain b9:



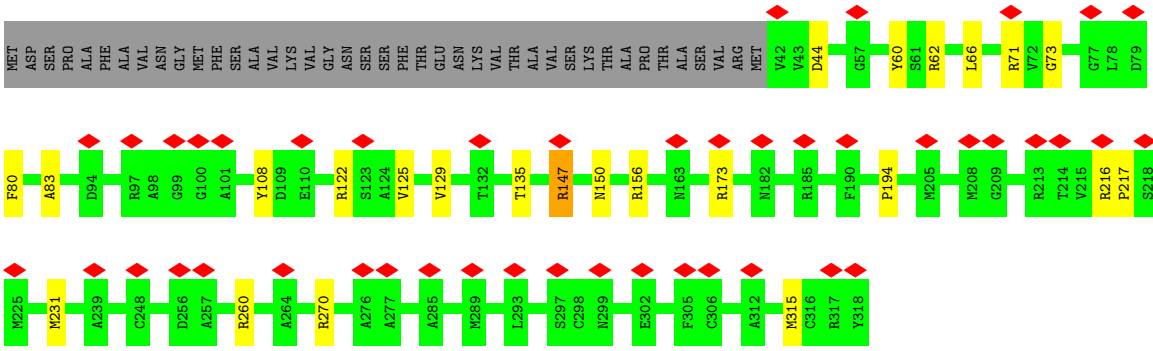
• Molecule 12: LR_gamma4

Chain U8:

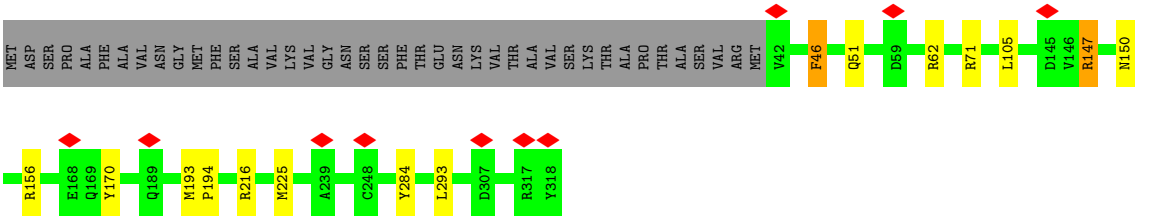




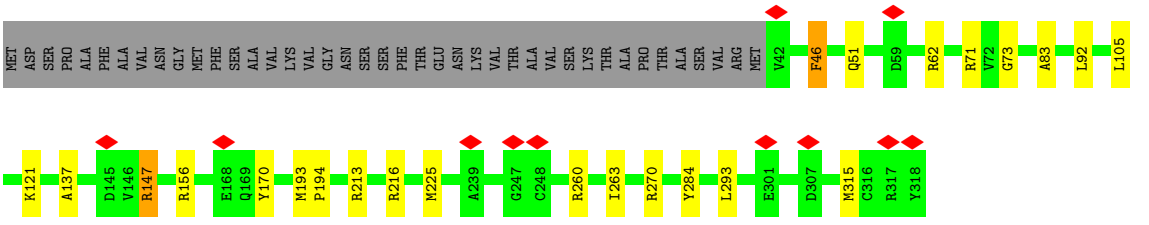
• Molecule 12: LR_gamma4



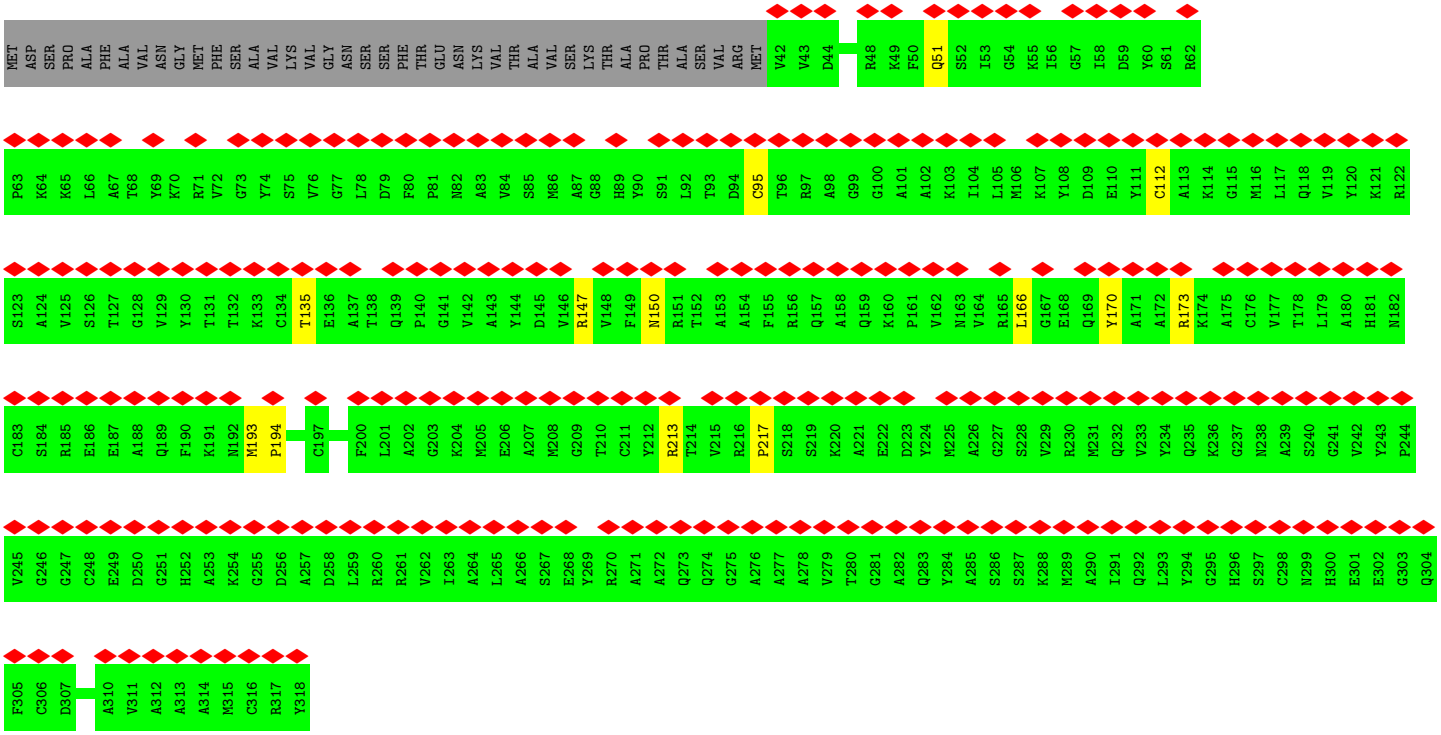
• Molecule 12: LR_gamma4



• Molecule 12: LR_gamma4

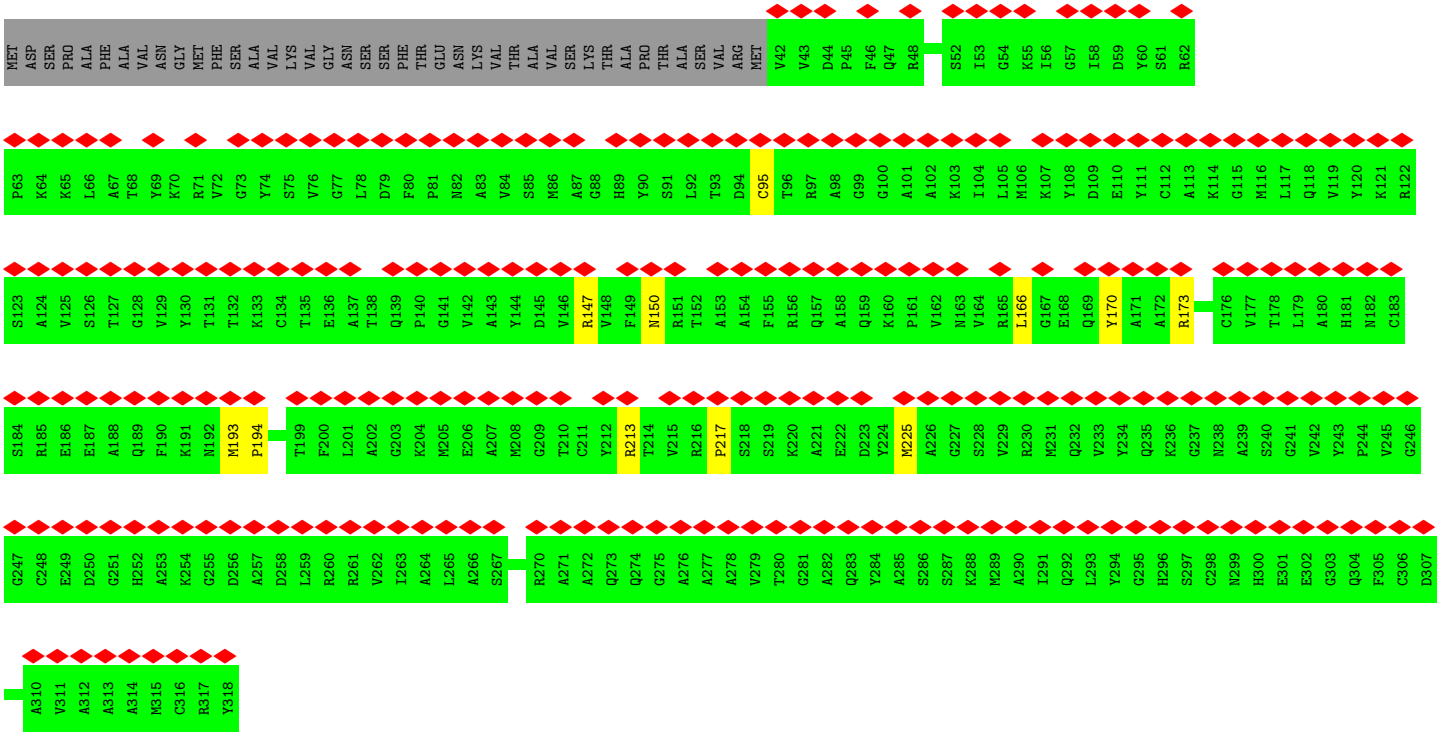


• Molecule 12: LR_gamma4



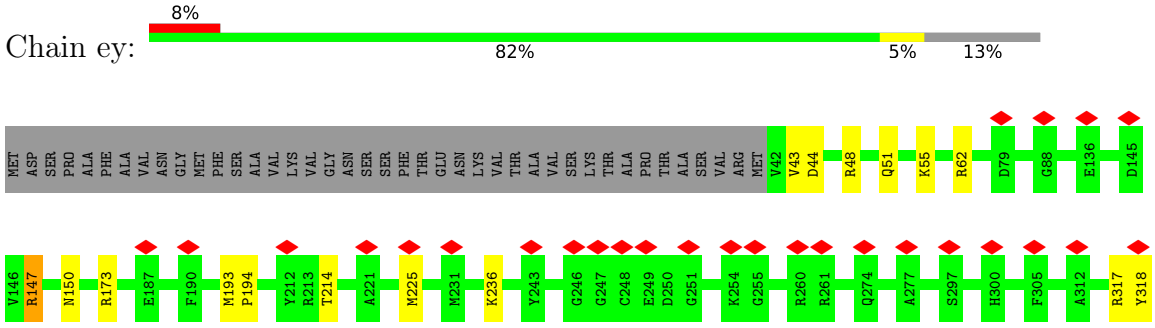
• Molecule 12: LR_gamma4

Chain dx:



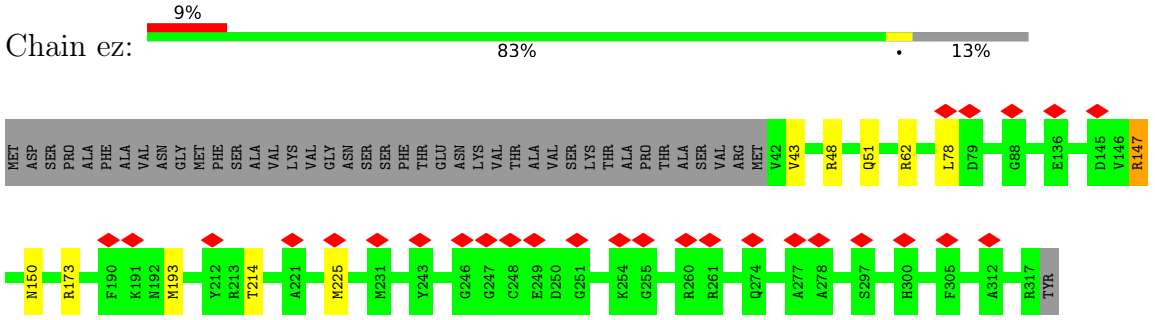
• Molecule 12: LR_gamma4

Chain ey:



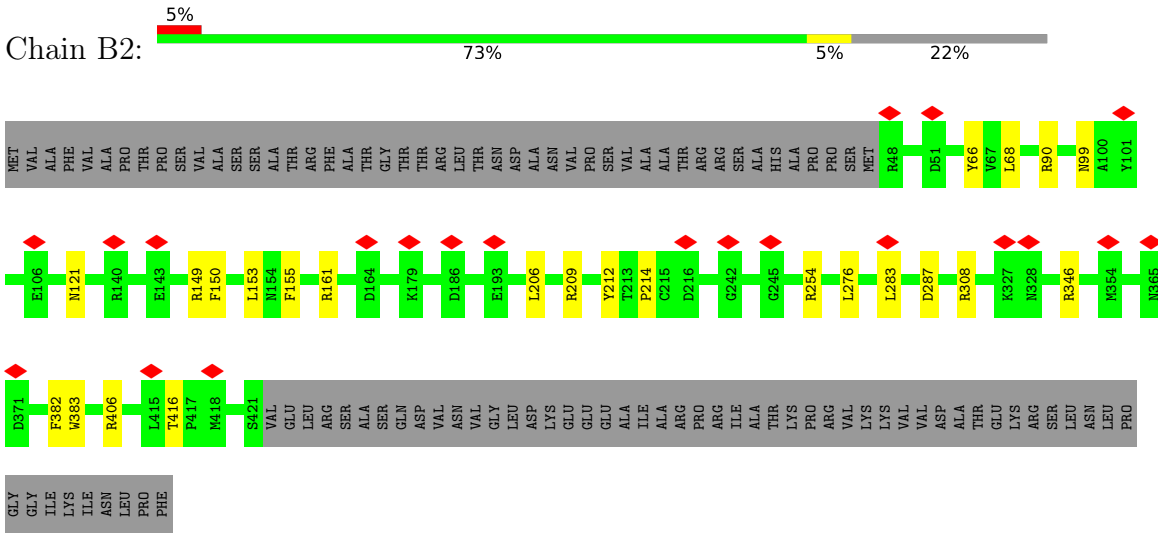
• Molecule 12: LR_gamma4

Chain ez:



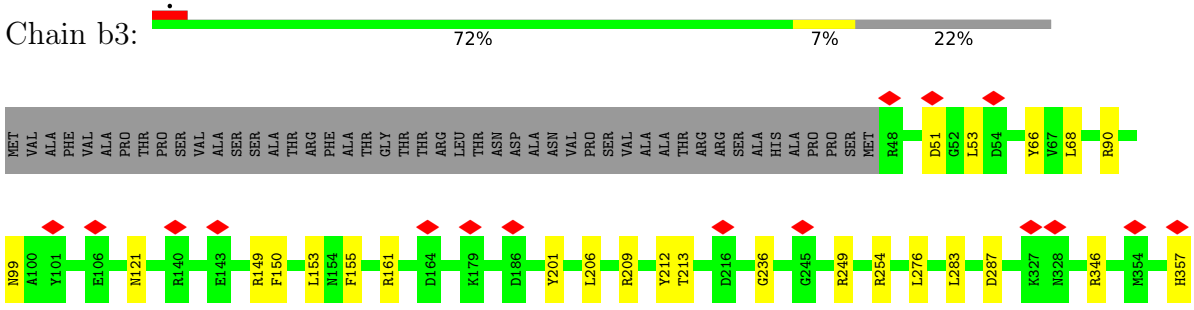
• Molecule 13: LRC2

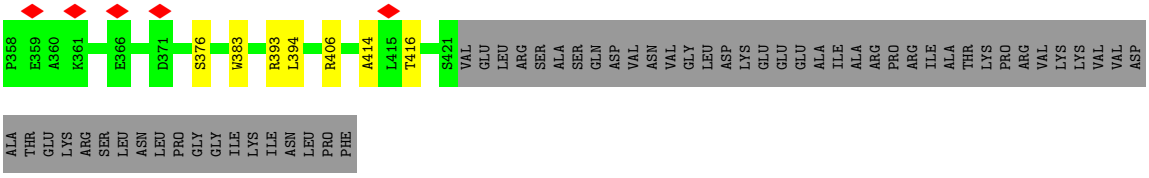
Chain B2:



• Molecule 13: LRC2

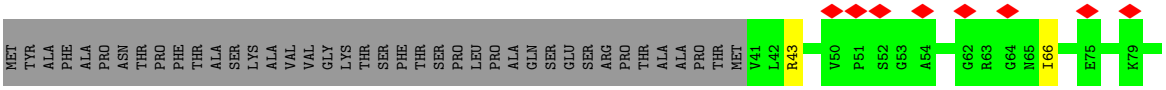
Chain b3:

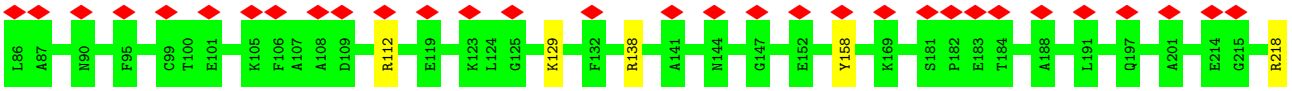




• Molecule 14: LR_gamma5

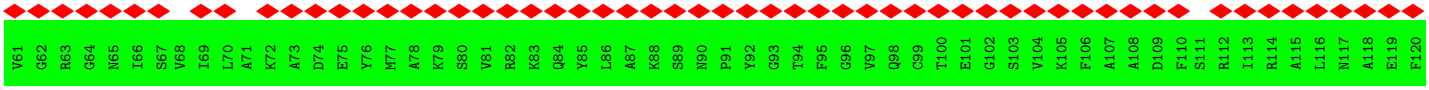
Chain C2:

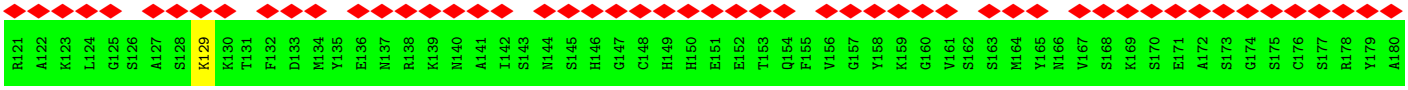


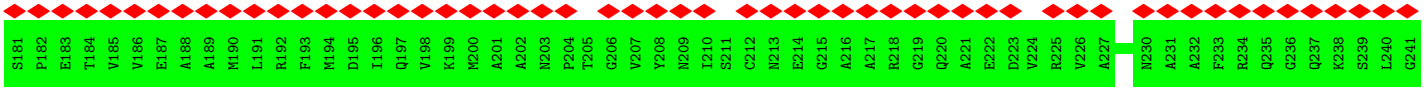


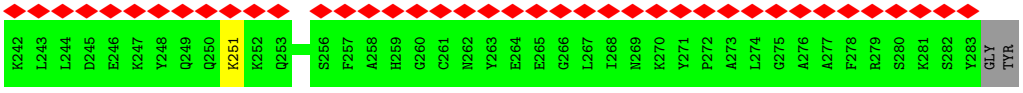
• Molecule 14: LR_gamma5

Chain D2:



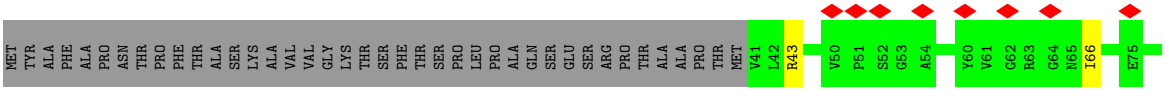


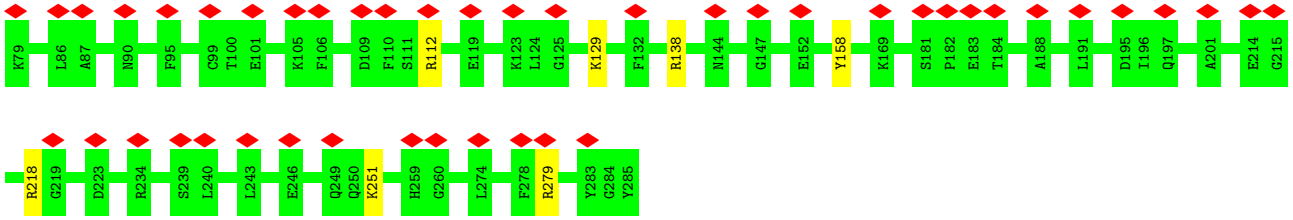




• Molecule 14: LR_gamma5

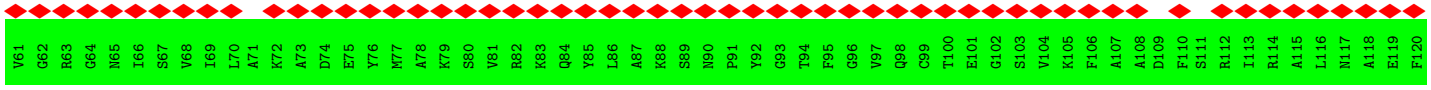
Chain c3:

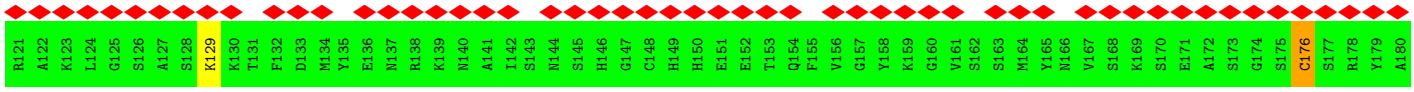


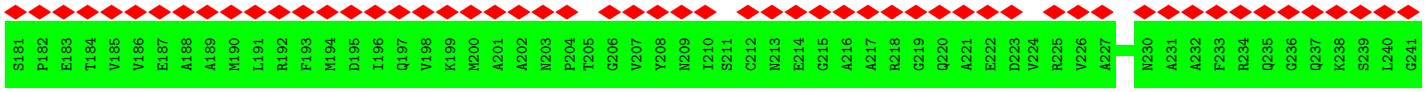


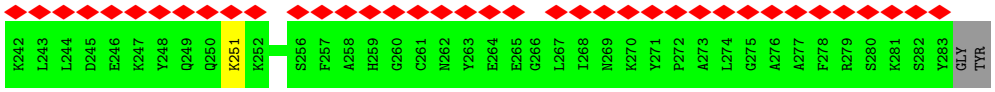
• Molecule 14: LR_gamma5

Chain d3:



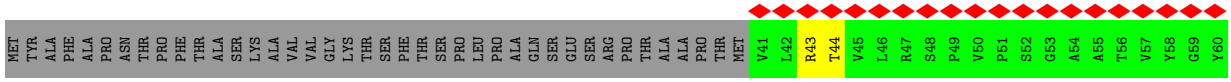


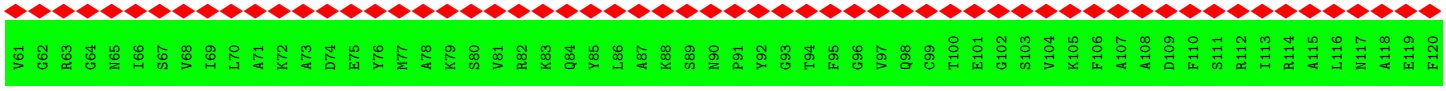


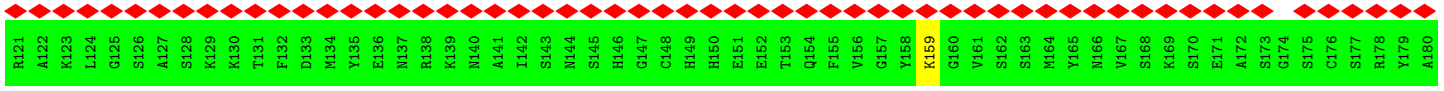


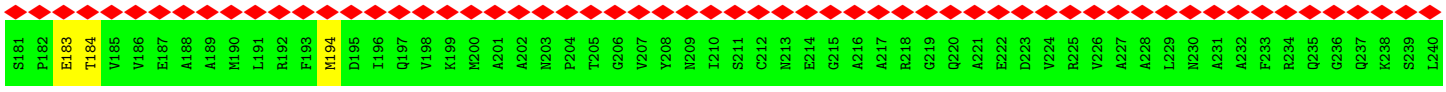
• Molecule 14: LR_gamma5

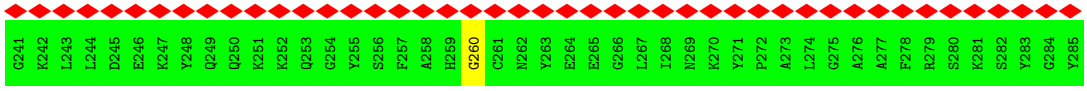
Chain 44:





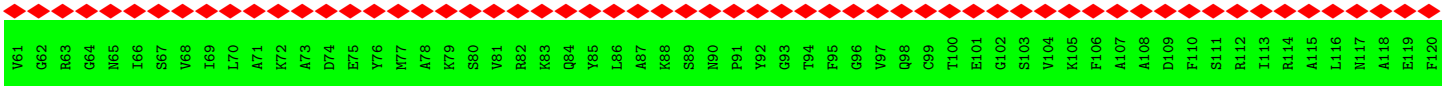


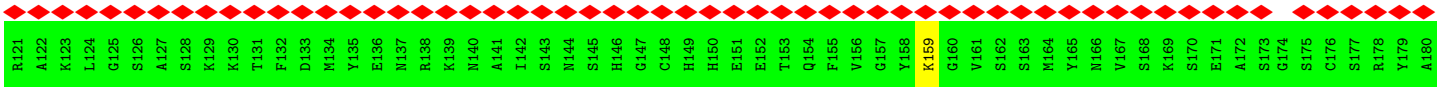


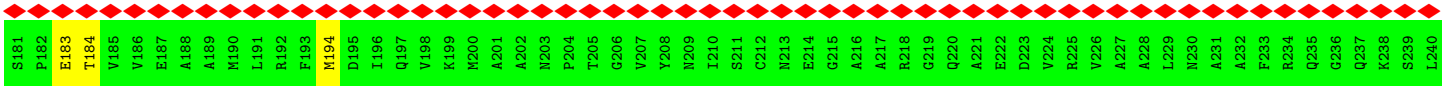


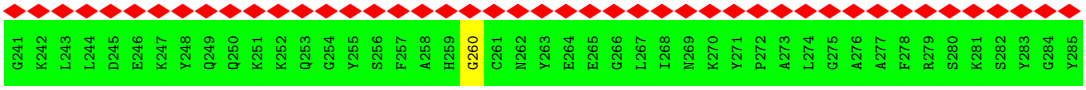
• Molecule 14: LR_gamma5

Chain Z5:



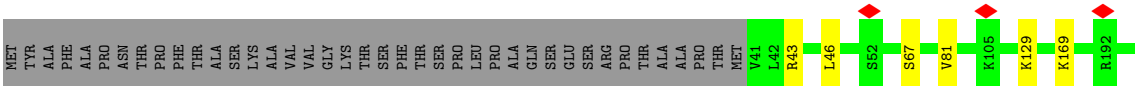


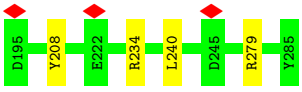




• Molecule 14: LR_gamma5

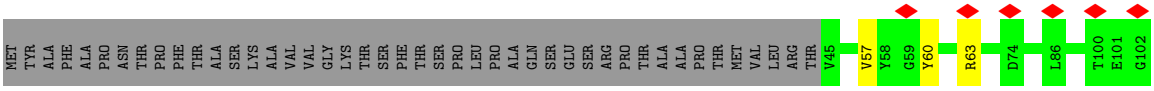
Chain c8:

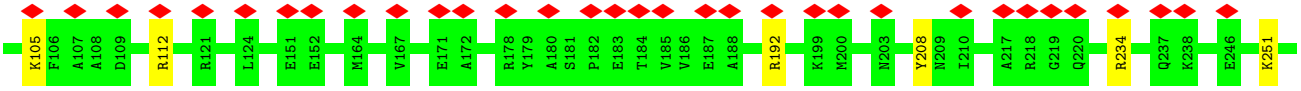


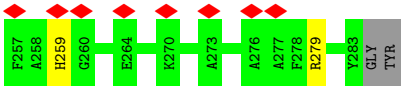


• Molecule 14: LR_gamma5

Chain d8:

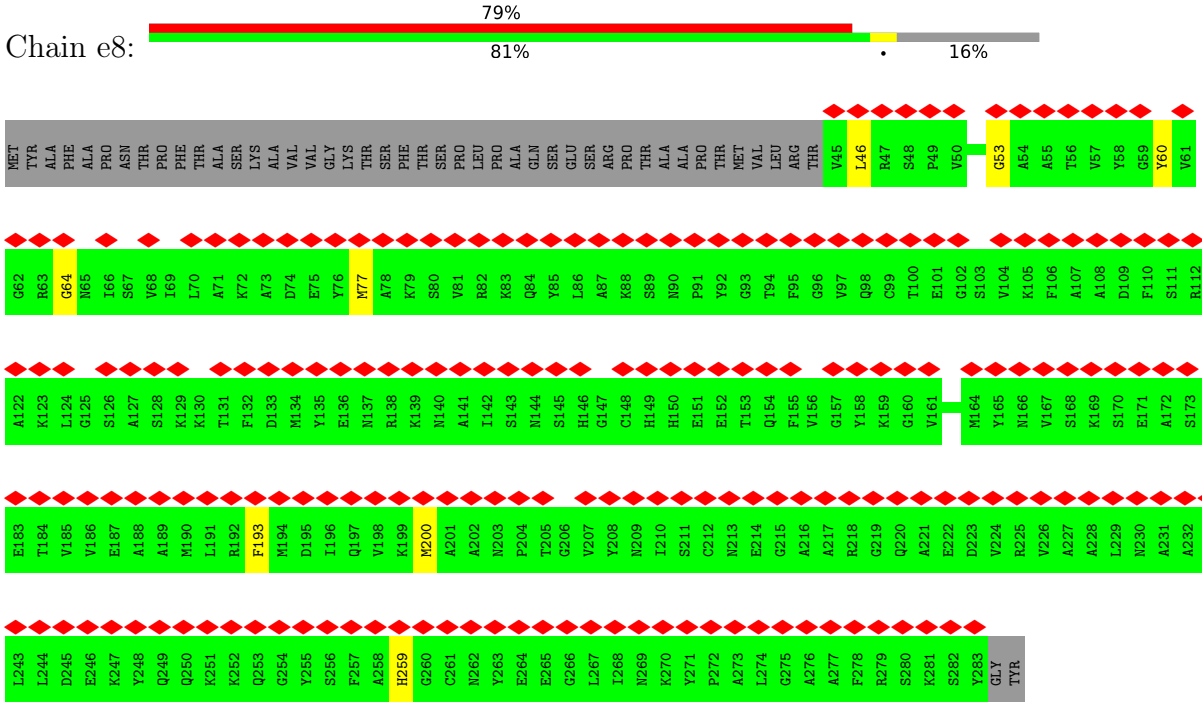






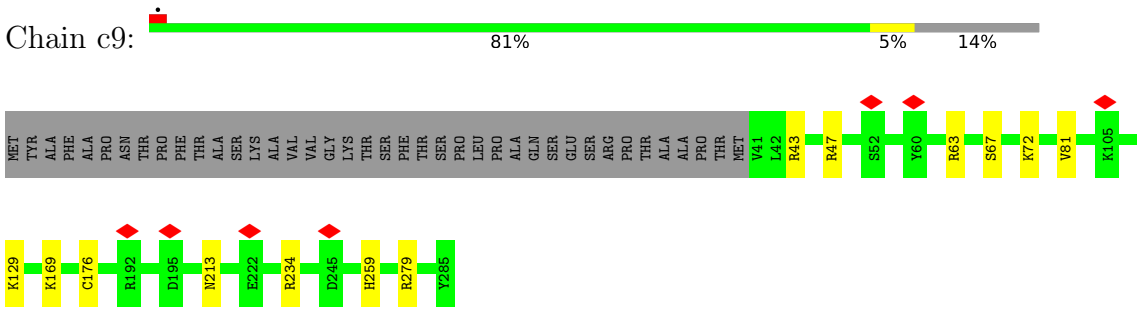
• Molecule 14: LR_gamma5

Chain e8:



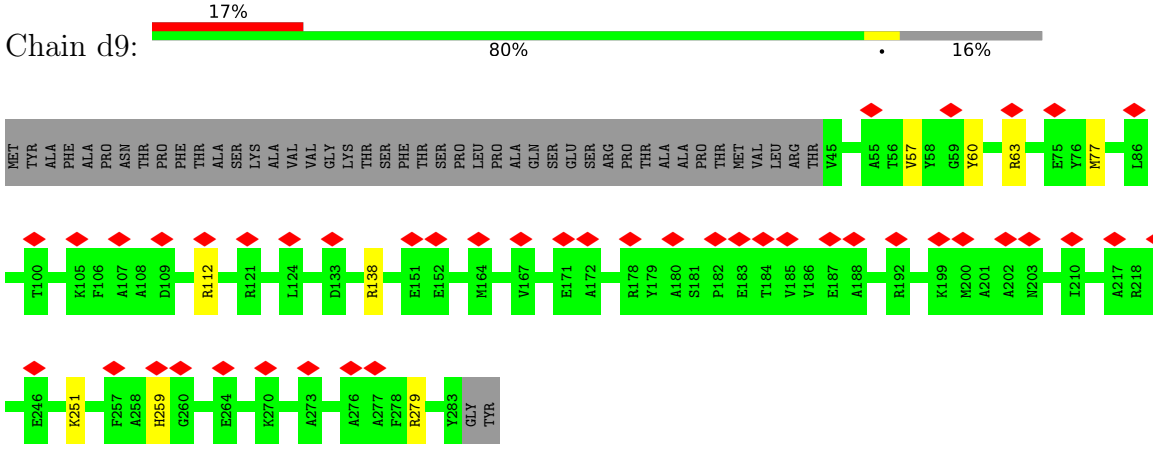
• Molecule 14: LR_gamma5

Chain c9:



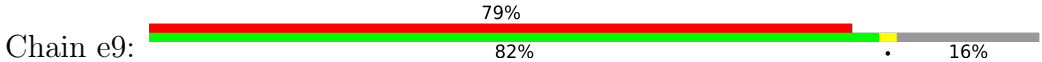
• Molecule 14: LR_gamma5

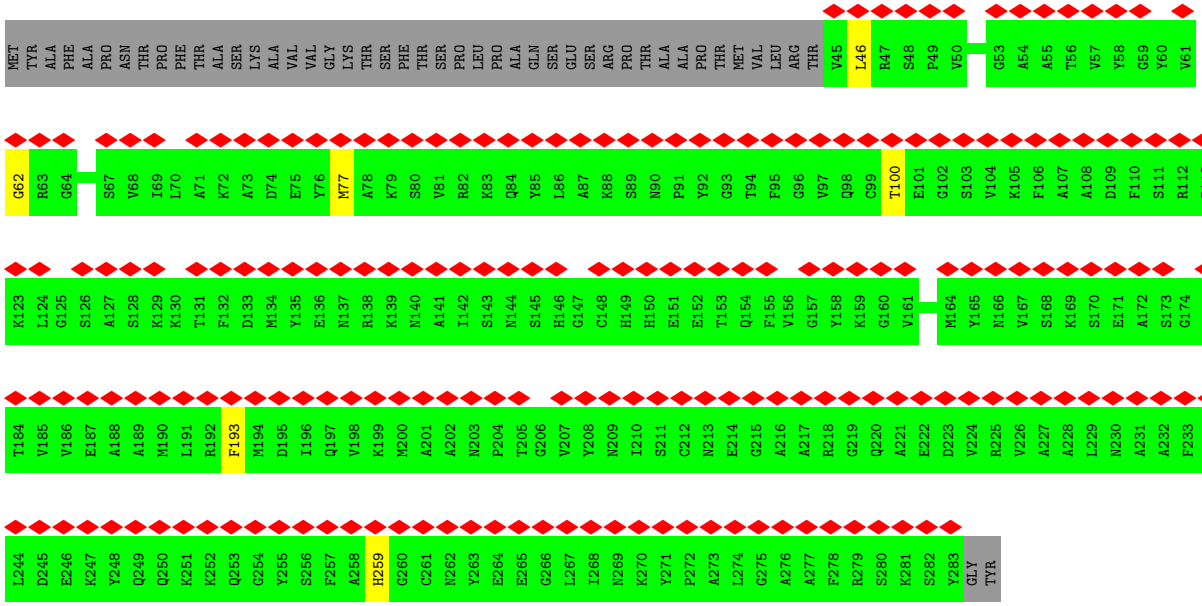
Chain d9:



• Molecule 14: LR_gamma5

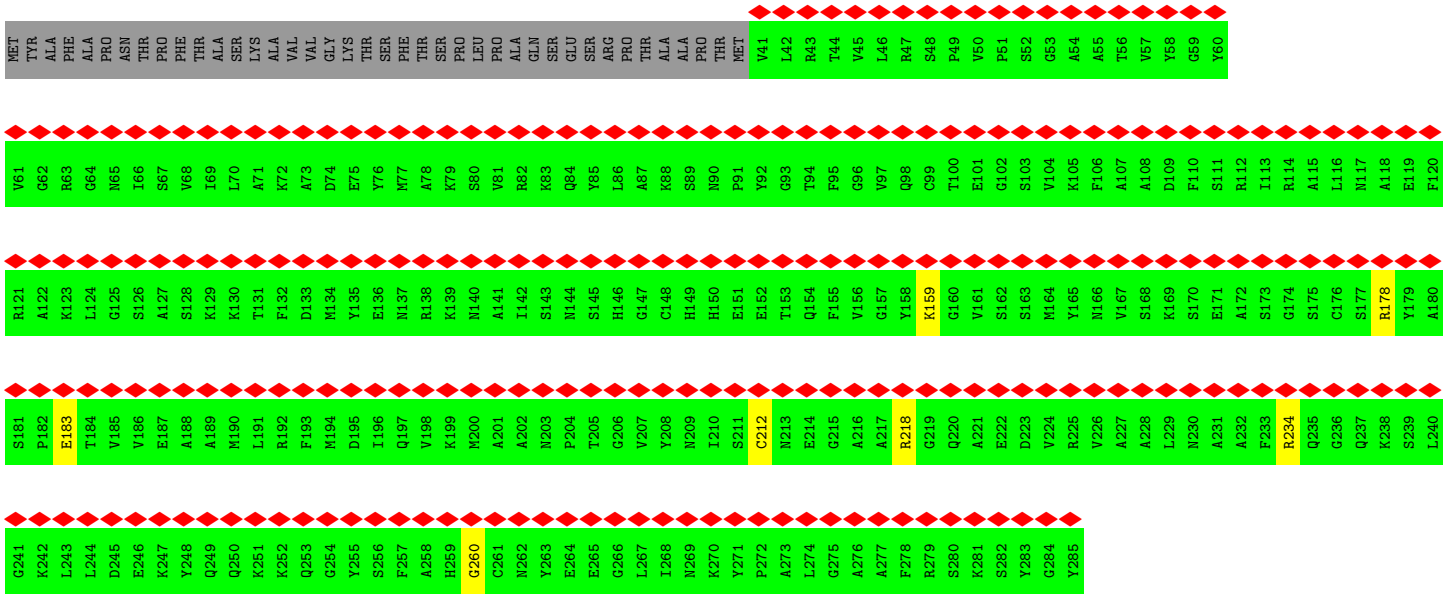
Chain e9:





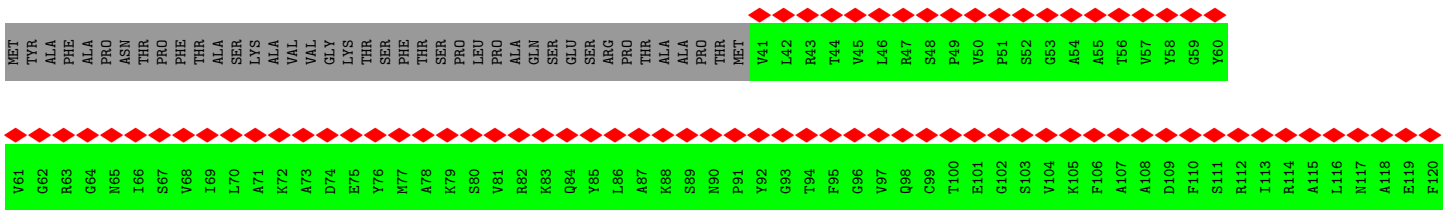
• Molecule 14: LR_gamma5

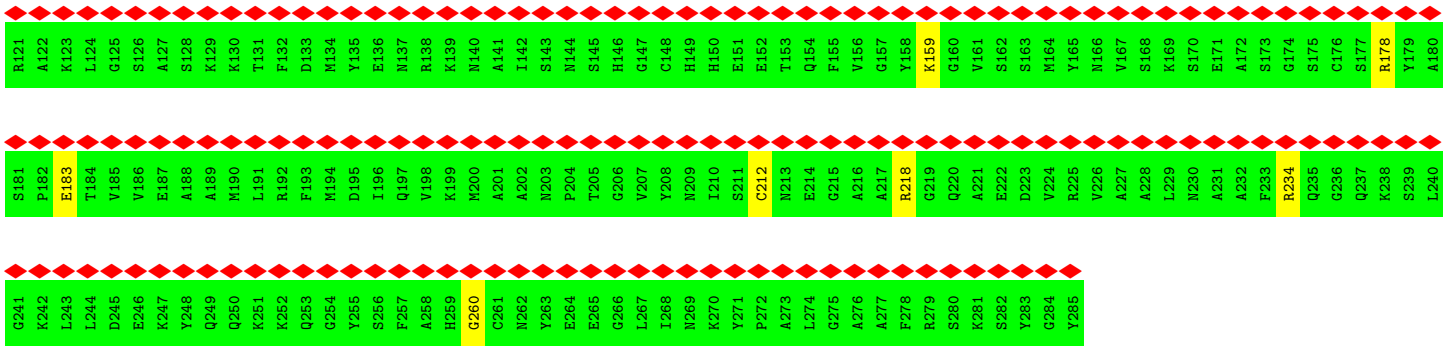
Chain T8:



• Molecule 14: LR_gamma5

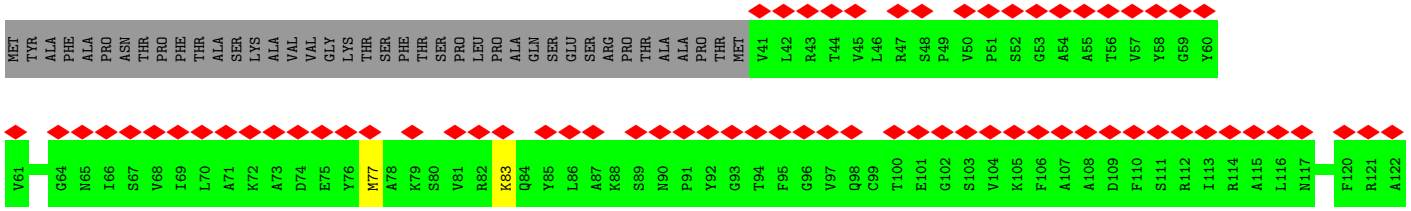
Chain Y9:





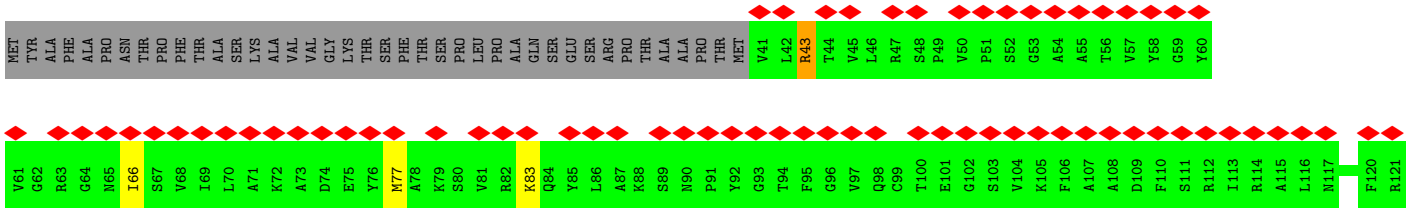
• Molecule 14: LR_gamma5

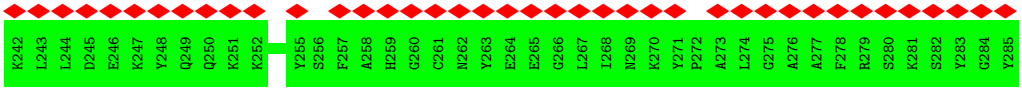
Chain aZ:



• Molecule 14: LR_gamma5

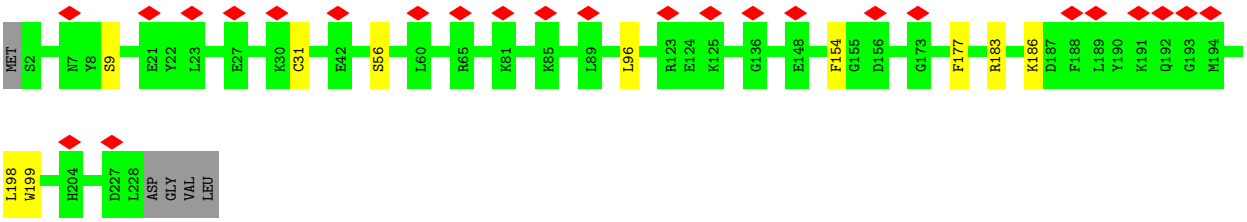
Chain bZ:





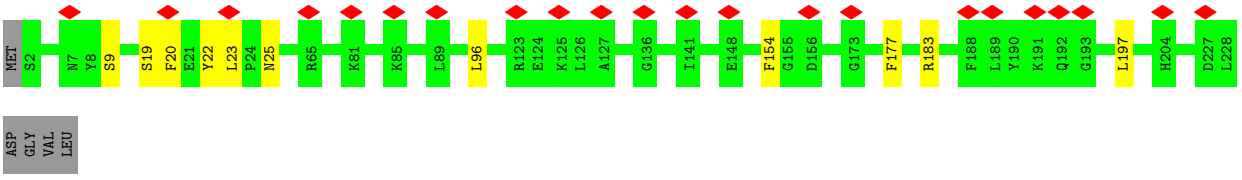
• Molecule 15: LRC1

Chain 14:



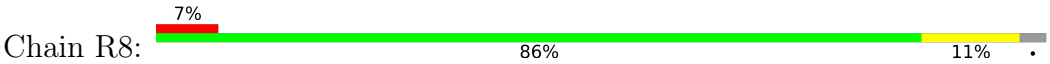
• Molecule 15: LRC1

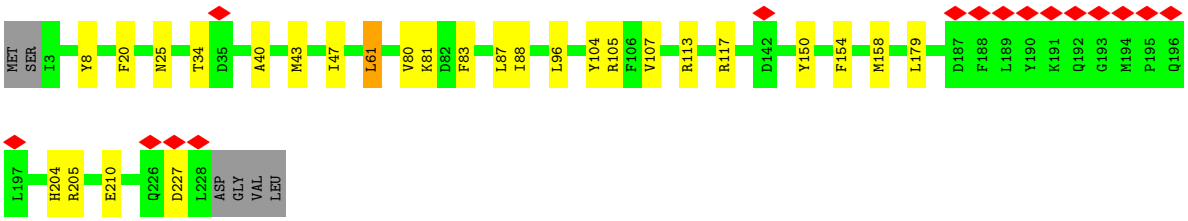
Chain W5:



• Molecule 15: LRC1

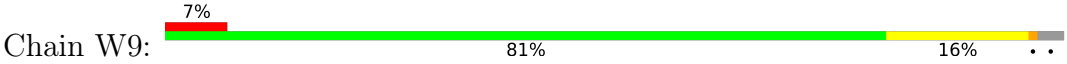
Chain R8:

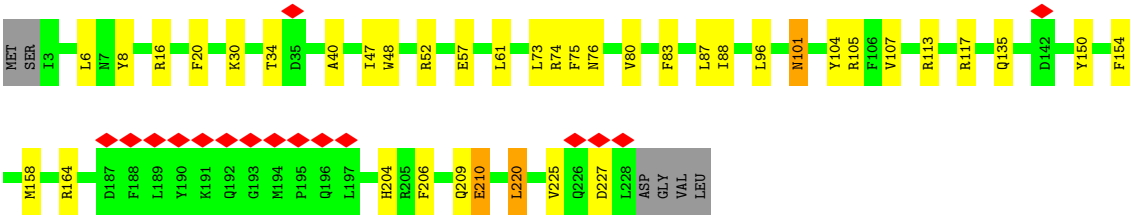




• Molecule 15: LRC1

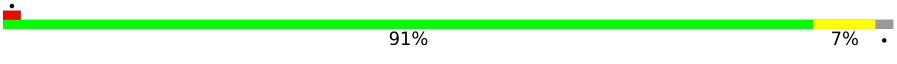
Chain W9:

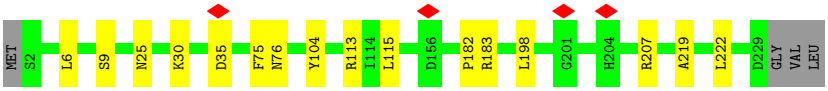




• Molecule 15: LRC1

Chain aW:



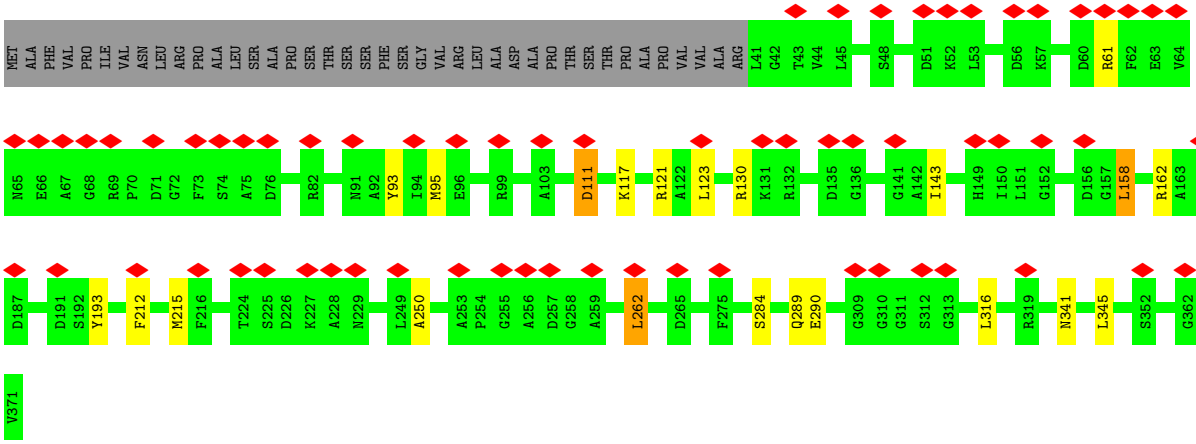


• Molecule 15: LRC1

Chain bW:

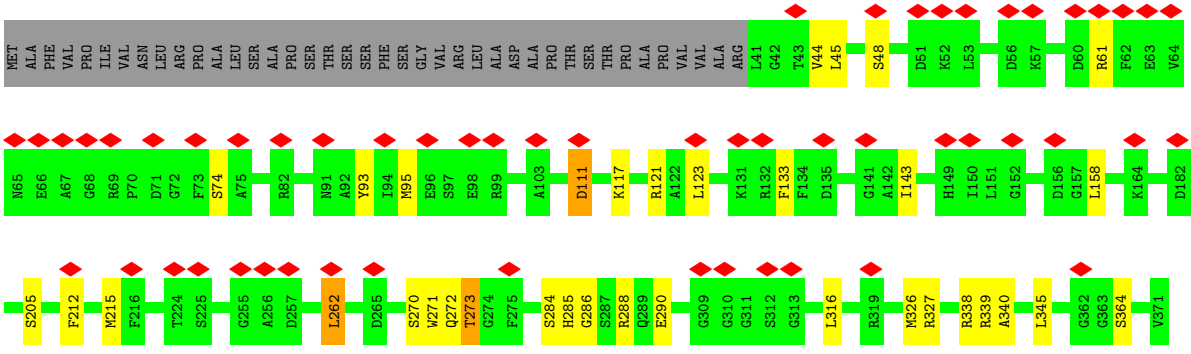
• Molecule 16: LR1

Chain 24:



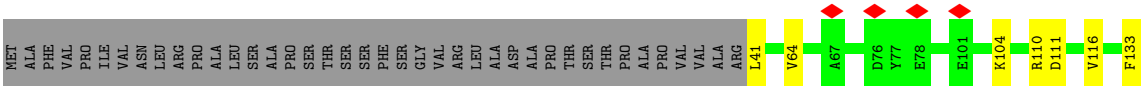
• Molecule 16: LR1

Chain X5:



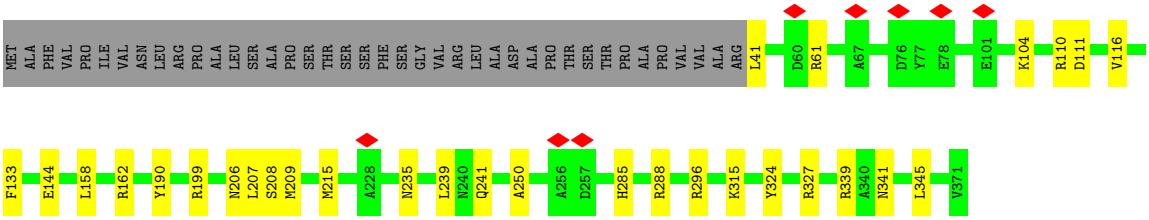
• Molecule 16: LR1

Chain S8:



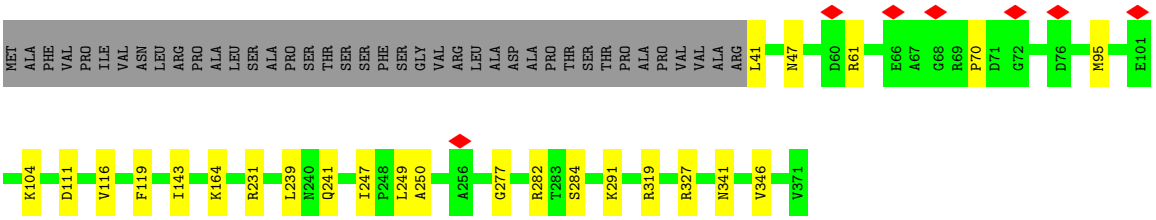
• Molecule 16: LR1

Chain X9:



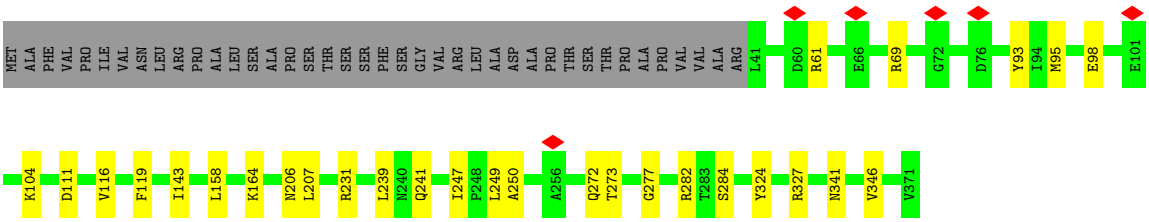
• Molecule 16: LR1

Chain aX:



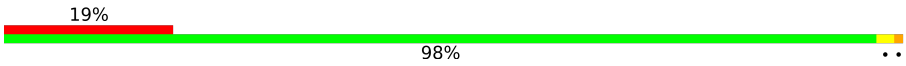
• Molecule 16: LR1

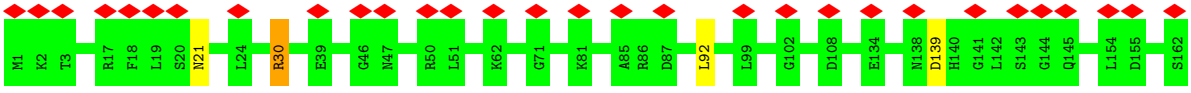
Chain bX:



• Molecule 17: alpha_PC

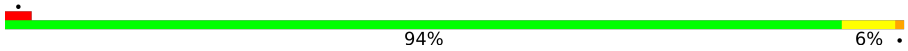
Chain a4:





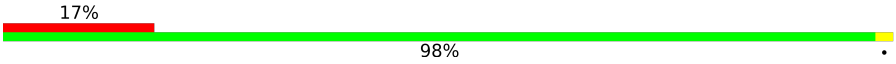
• Molecule 17: alpha_PC

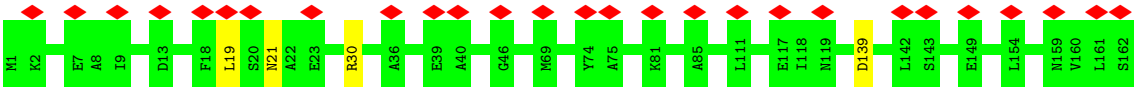
Chain b4:



• Molecule 17: alpha_PC

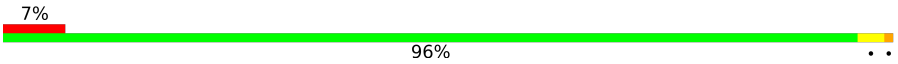
Chain d4:

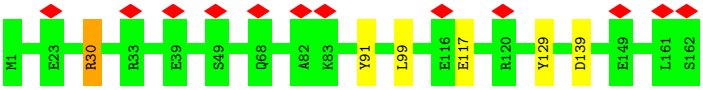




• Molecule 17: alpha_PC

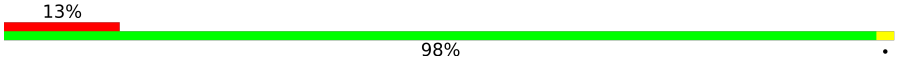
Chain f4:

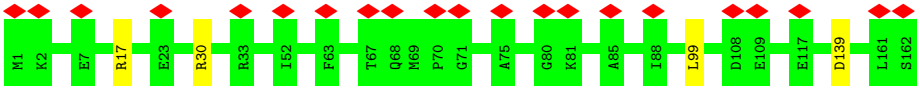




• Molecule 17: alpha_PC

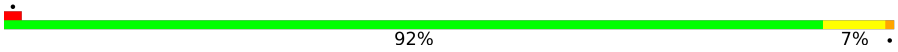
Chain i4:

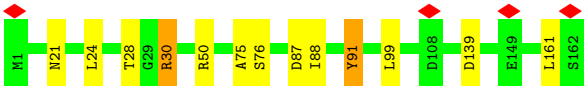




• Molecule 17: alpha_PC

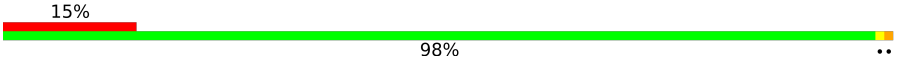
Chain k4:

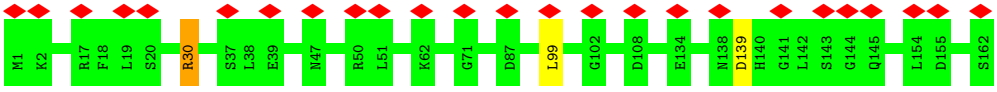




• Molecule 17: alpha_PC

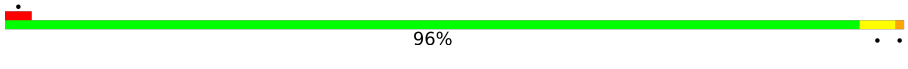
Chain a5:

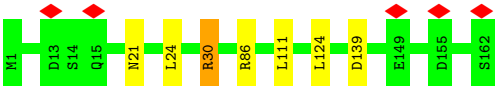




• Molecule 17: alpha_PC

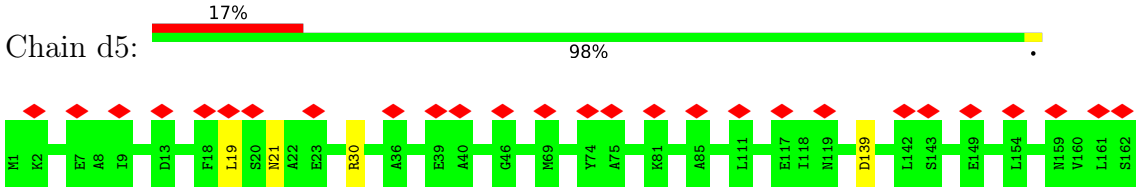
Chain b5:





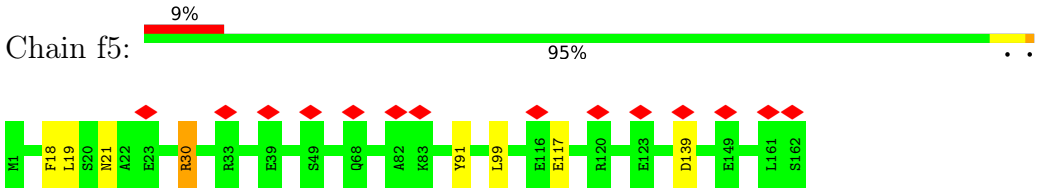
• Molecule 17: alpha_PC

Chain d5:



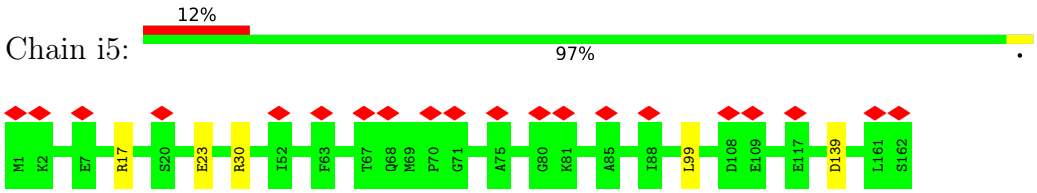
• Molecule 17: alpha_PC

Chain f5:



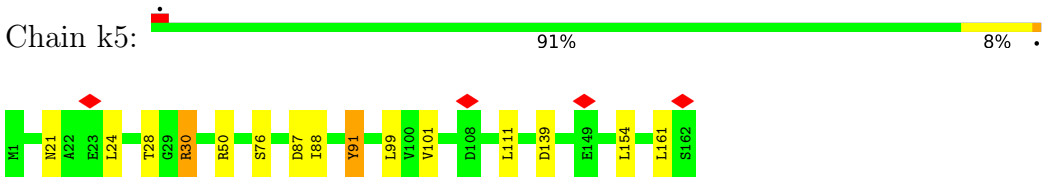
• Molecule 17: alpha_PC

Chain i5:



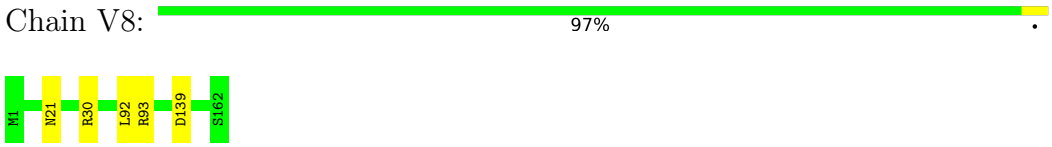
• Molecule 17: alpha_PC

Chain k5:



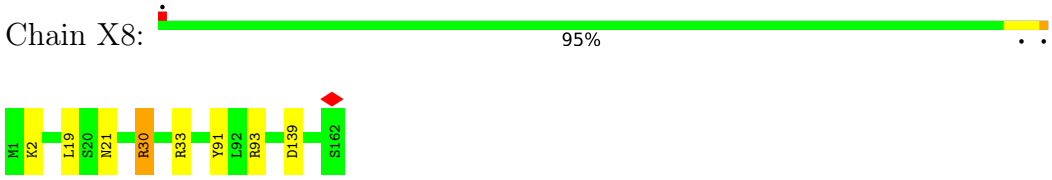
• Molecule 17: alpha_PC

Chain V8:



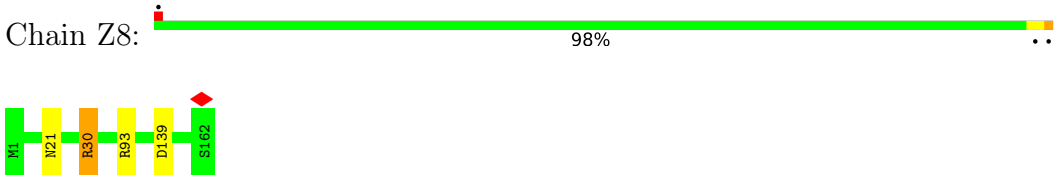
• Molecule 17: alpha_PC

Chain X8:



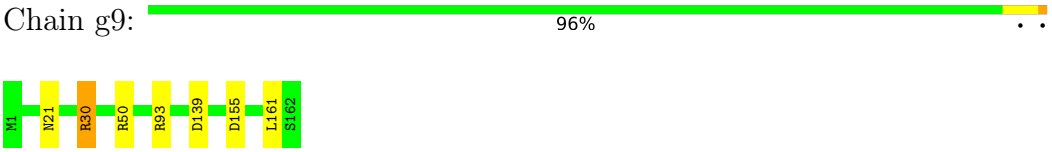
• Molecule 17: alpha_PC

Chain Z8:



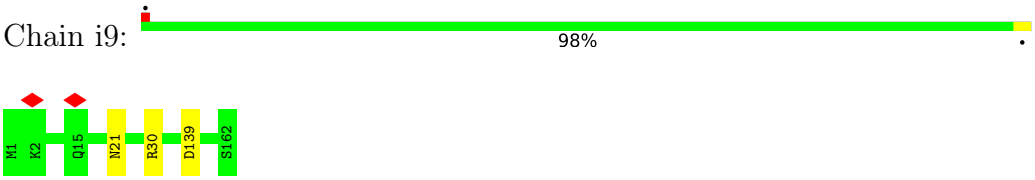
• Molecule 17: alpha_PC

Chain g9:



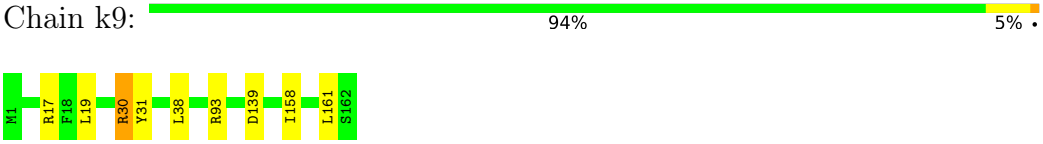
• Molecule 17: alpha_PC

Chain i9:



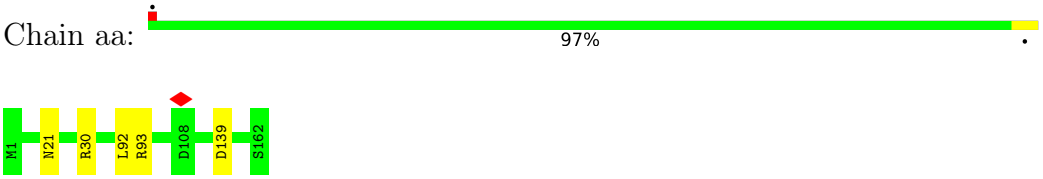
• Molecule 17: alpha_PC

Chain k9:



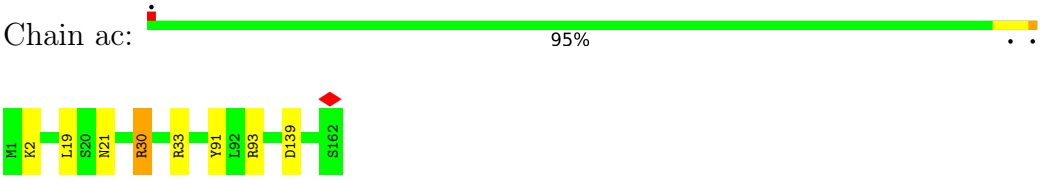
• Molecule 17: alpha_PC

Chain aa:



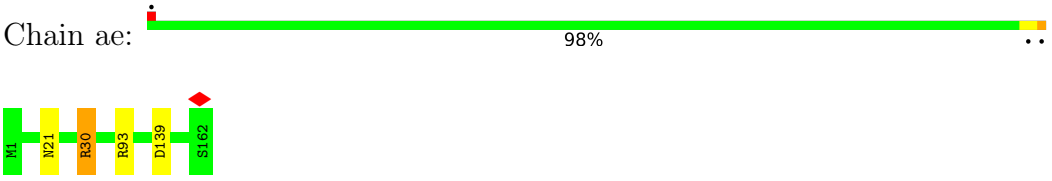
• Molecule 17: alpha_PC

Chain ac:



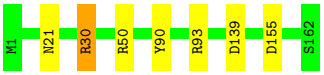
• Molecule 17: alpha_PC

Chain ae:



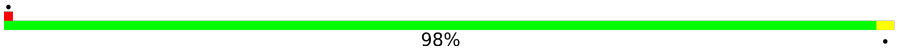
• Molecule 17: alpha_PC

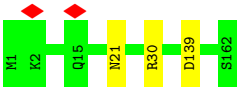
Chain ag:



• Molecule 17: alpha_PC

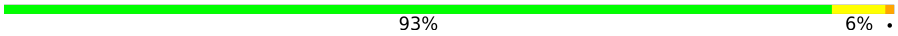
Chain ai:





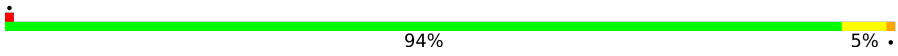
• Molecule 17: alpha_PC

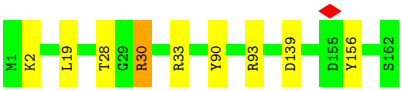
Chain ak:



• Molecule 17: alpha_PC

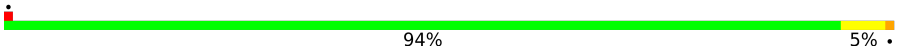
Chain ba:

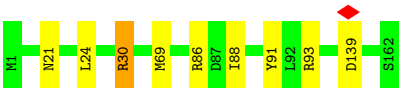




• Molecule 17: alpha_PC

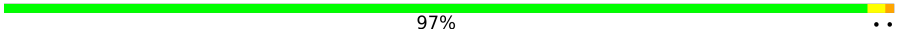
Chain bc:





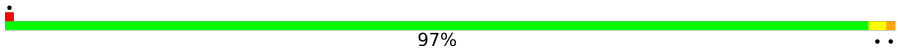
• Molecule 17: alpha_PC

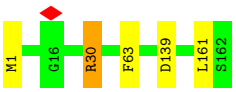
Chain be:



• Molecule 17: alpha_PC

Chain bg:





• Molecule 17: alpha_PC

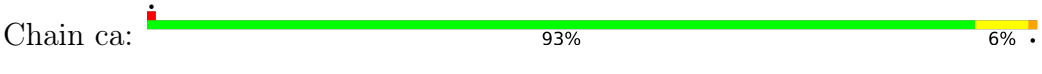
Chain bi:

• Molecule 17: alpha_PC

Chain bk:

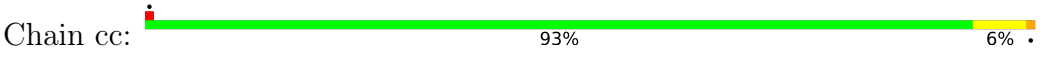
• Molecule 17: alpha_PC

Chain ca:



• Molecule 17: alpha_PC

Chain cc:

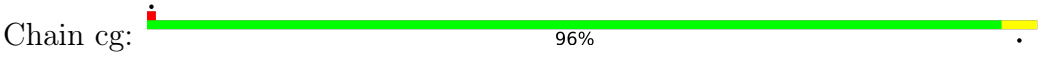


• Molecule 17: alpha_PC

Chain ce:

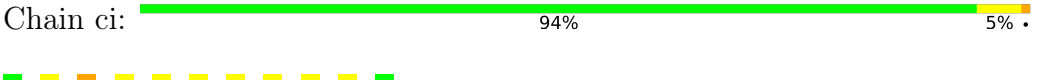
• Molecule 17: alpha_PC

Chain cg:



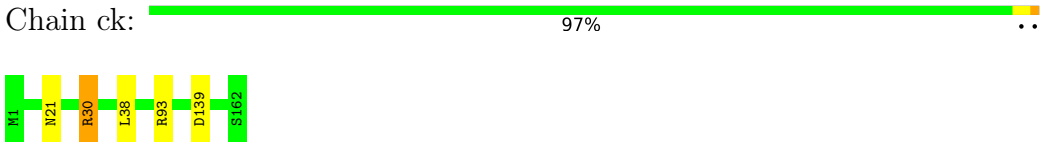
• Molecule 17: alpha_PC

Chain ci:



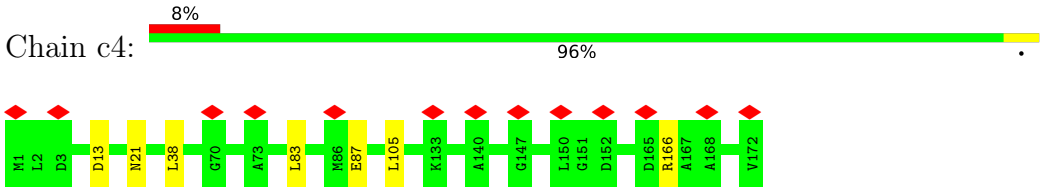
• Molecule 17: alpha_PC

Chain ck:



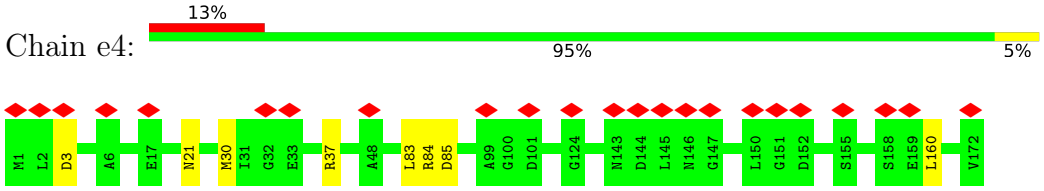
• Molecule 18: beta_PC

Chain c4:



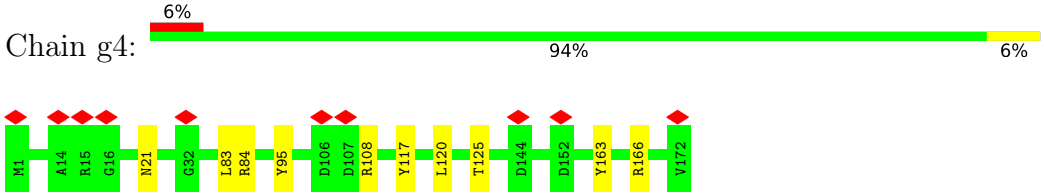
• Molecule 18: beta_PC

Chain e4:



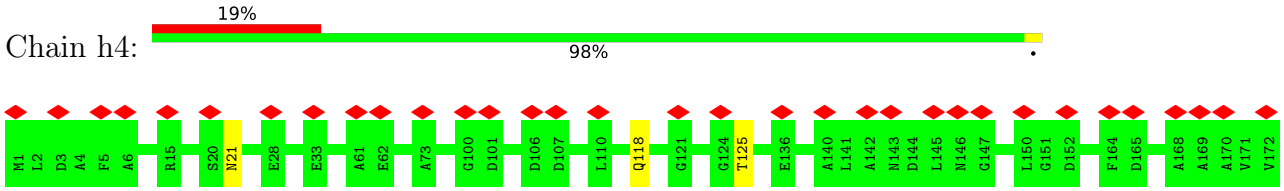
• Molecule 18: beta_PC

Chain g4:



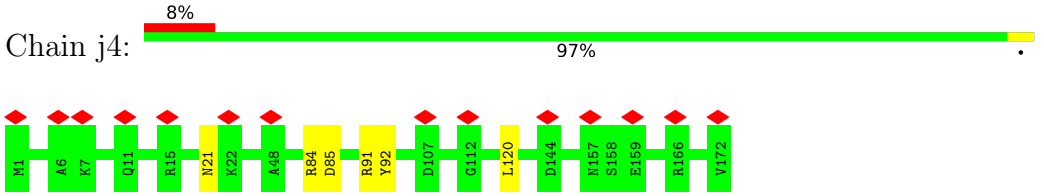
• Molecule 18: beta_PC

Chain h4:



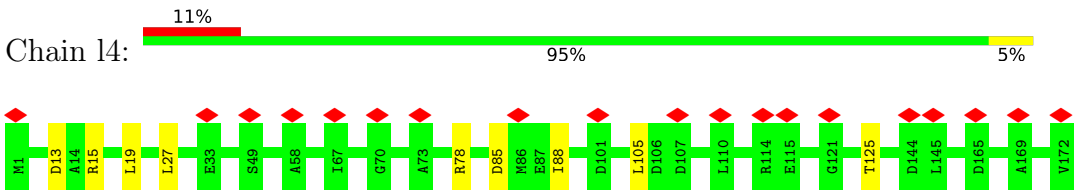
• Molecule 18: beta_PC

Chain j4:



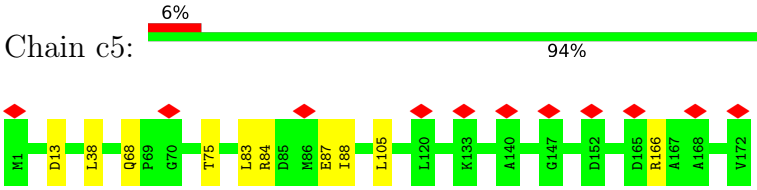
• Molecule 18: beta_PC

Chain l4:



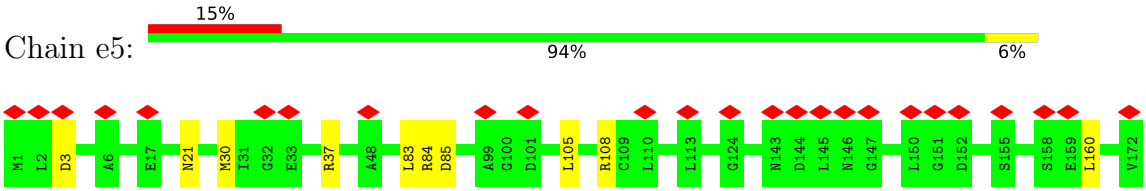
• Molecule 18: beta_PC

Chain c5:



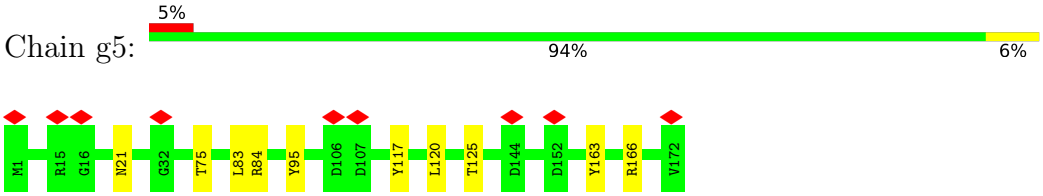
• Molecule 18: beta_PC

Chain e5:



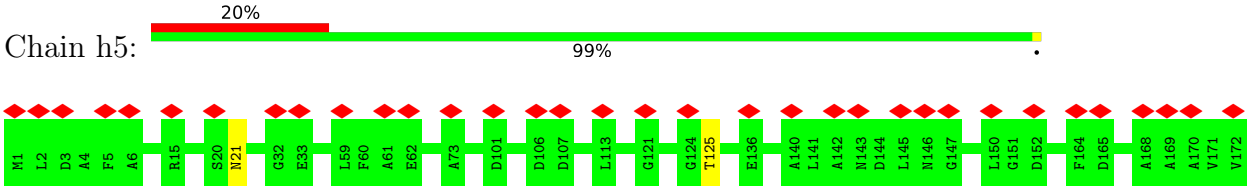
• Molecule 18: beta_PC

Chain g5:



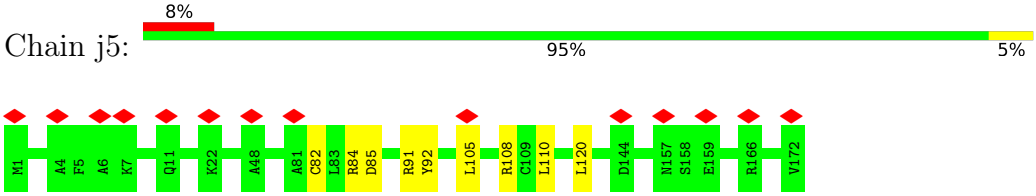
• Molecule 18: beta_PC

Chain h5:



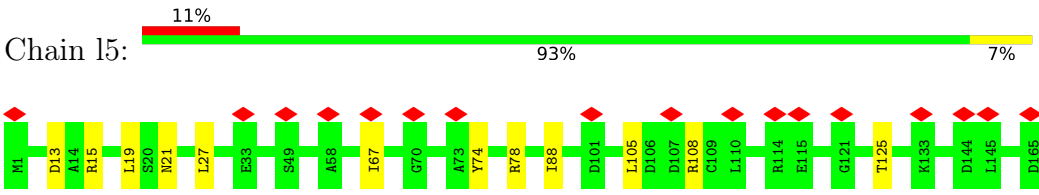
• Molecule 18: beta_PC

Chain j5:



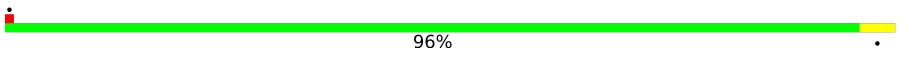
• Molecule 18: beta_PC

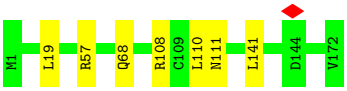
Chain l5:



• Molecule 18: beta_PC

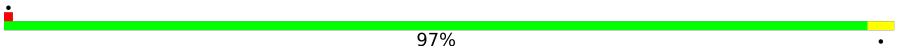
Chain W8:

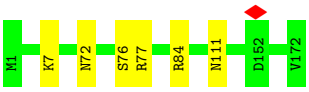




• Molecule 18: beta_PC

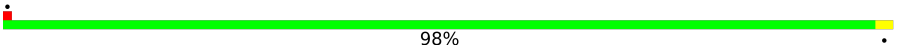
Chain Y8:

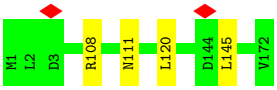




• Molecule 18: beta_PC

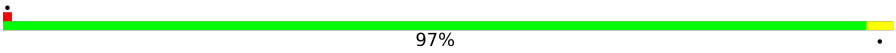
Chain f9:

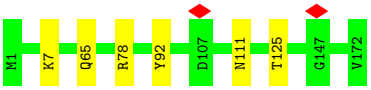




• Molecule 18: beta_PC

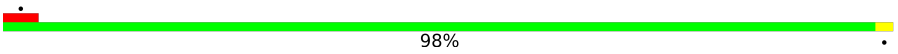
Chain h9:

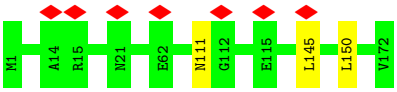




• Molecule 18: beta_PC

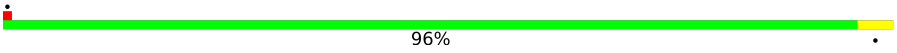
Chain j9:

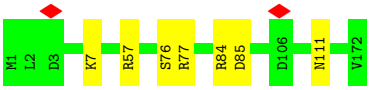




• Molecule 18: beta_PC

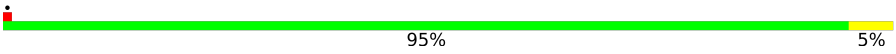
Chain l9:





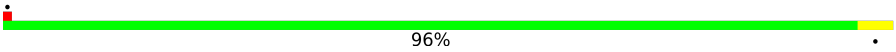
• Molecule 18: beta_PC

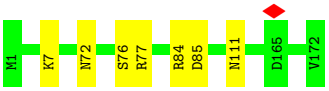
Chain ab:



• Molecule 18: beta_PC

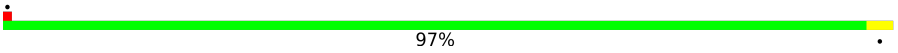
Chain ad:





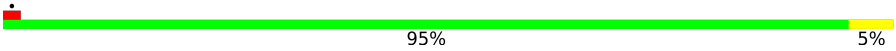
• Molecule 18: beta_PC

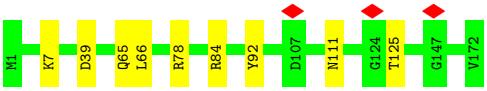
Chain af:



• Molecule 18: beta_PC

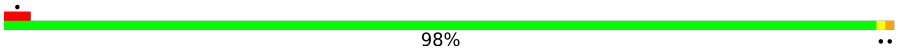
Chain ah:

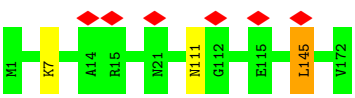




• Molecule 18: beta_PC

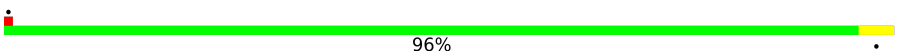
Chain aj:

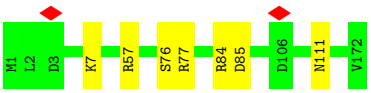




• Molecule 18: beta_PC

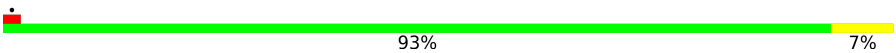
Chain al:

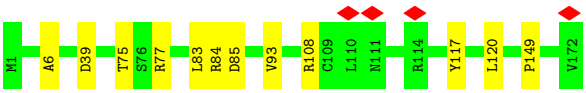




• Molecule 18: beta_PC

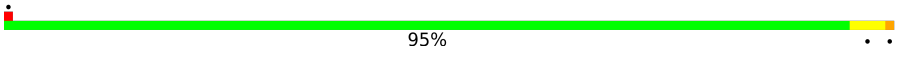
Chain bb:

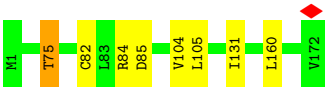




• Molecule 18: beta_PC

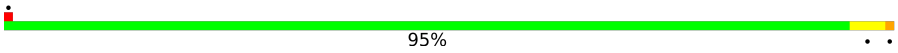
Chain bd:

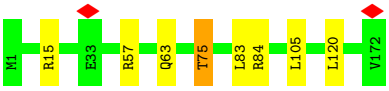




• Molecule 18: beta_PC

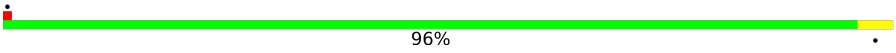
Chain bf:

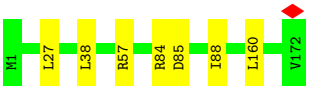




• Molecule 18: beta_PC

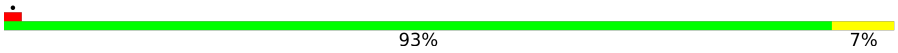
Chain bh:

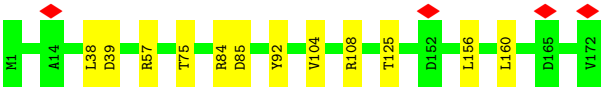




• Molecule 18: beta_PC

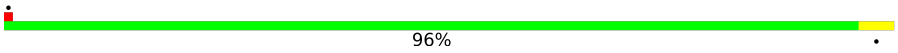
Chain bj:

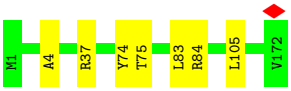




• Molecule 18: beta_PC

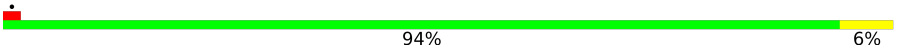
Chain bl:

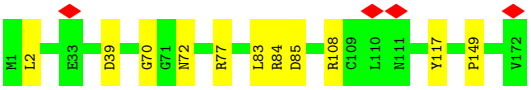




• Molecule 18: beta_PC

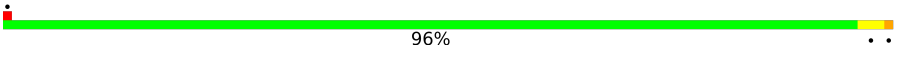
Chain cb:





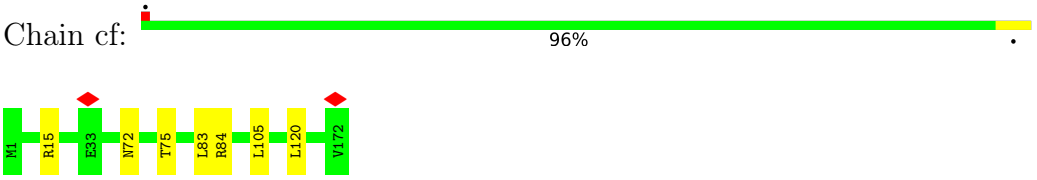
• Molecule 18: beta_PC

Chain cd:



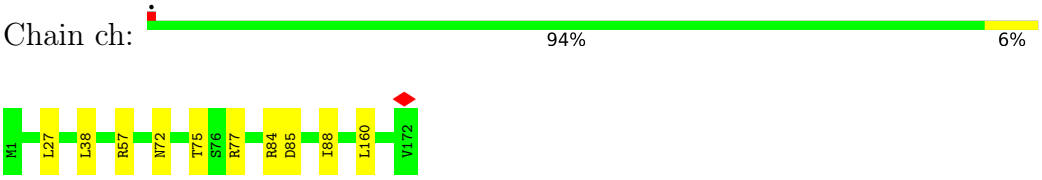
• Molecule 18: beta_PC

Chain cf:



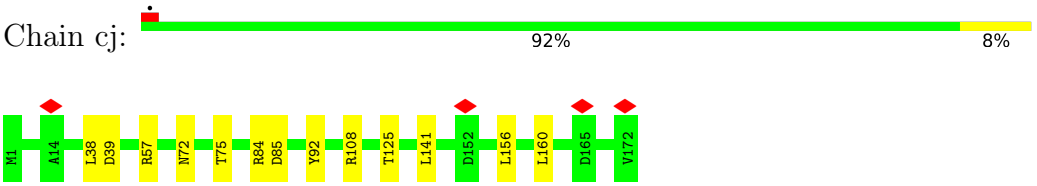
• Molecule 18: beta_PC

Chain ch:



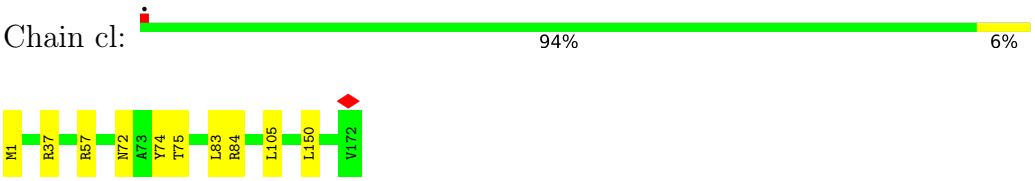
• Molecule 18: beta_PC

Chain cj:



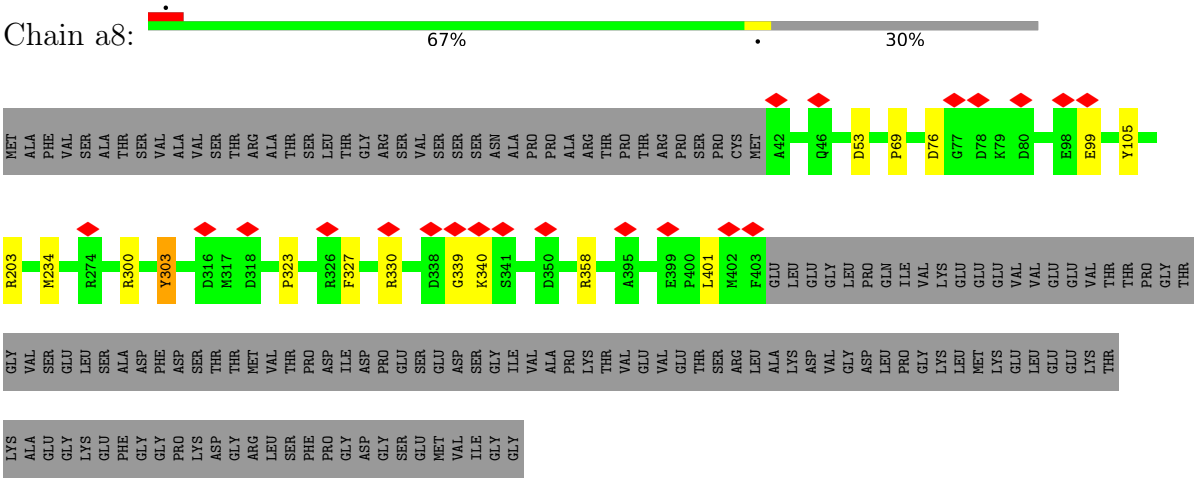
• Molecule 18: beta_PC

Chain cl:



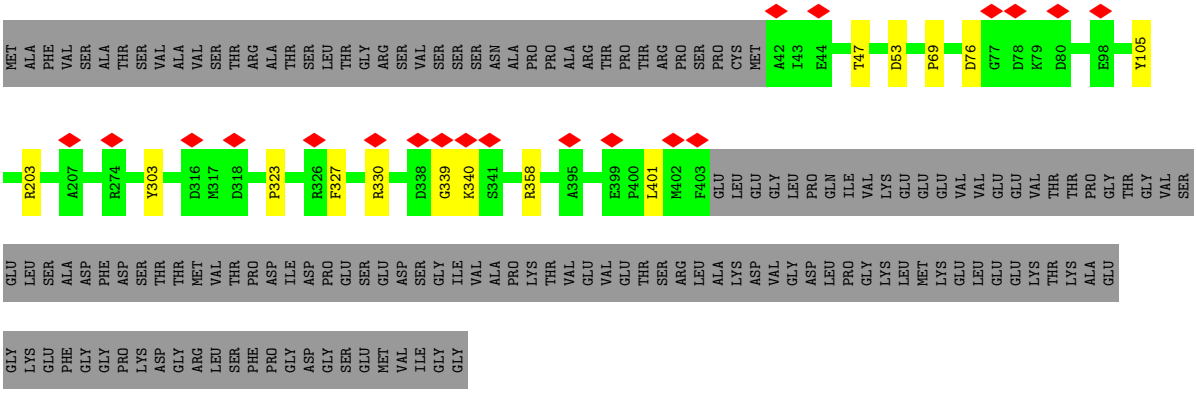
• Molecule 19: LRC3

Chain a8:



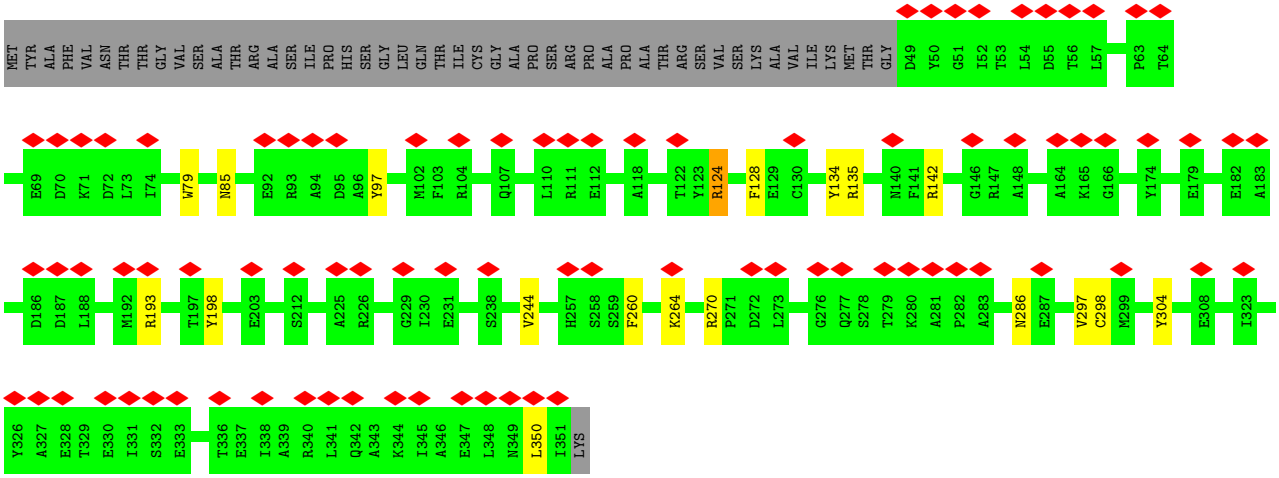
• Molecule 19: LRC3

Chain a9:



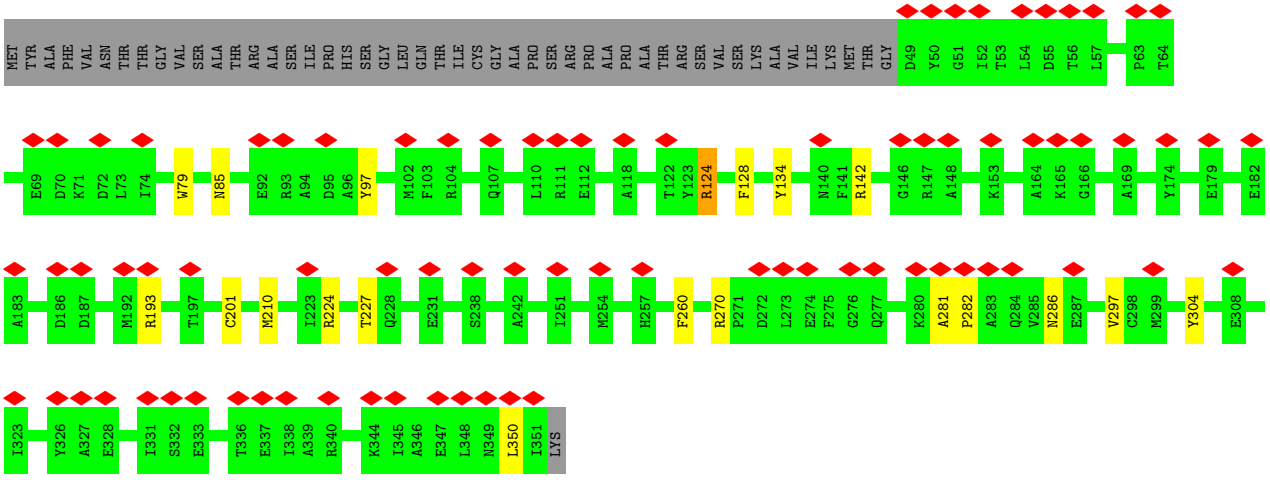
• Molecule 20: LR3

Chain dy:



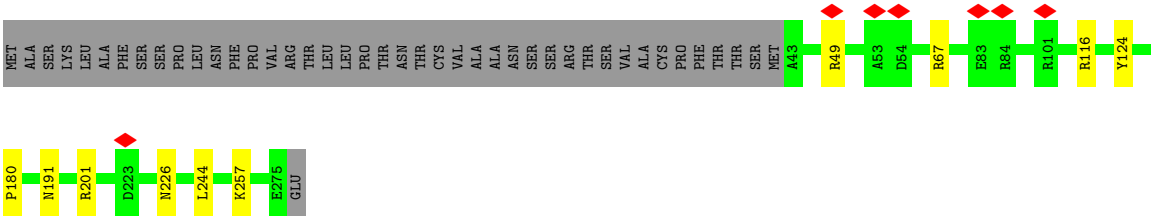
• Molecule 20: LR3

Chain dz:



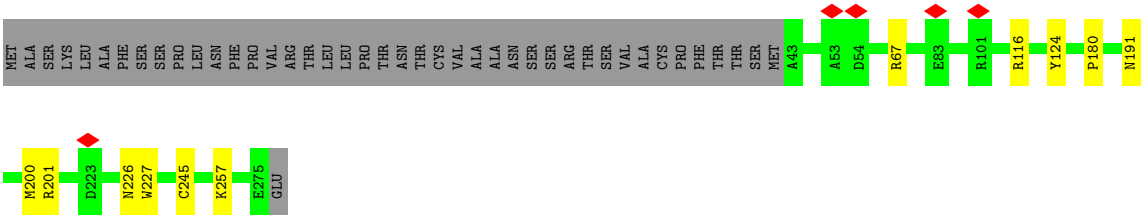
• Molecule 21: LR2

Chain ew:



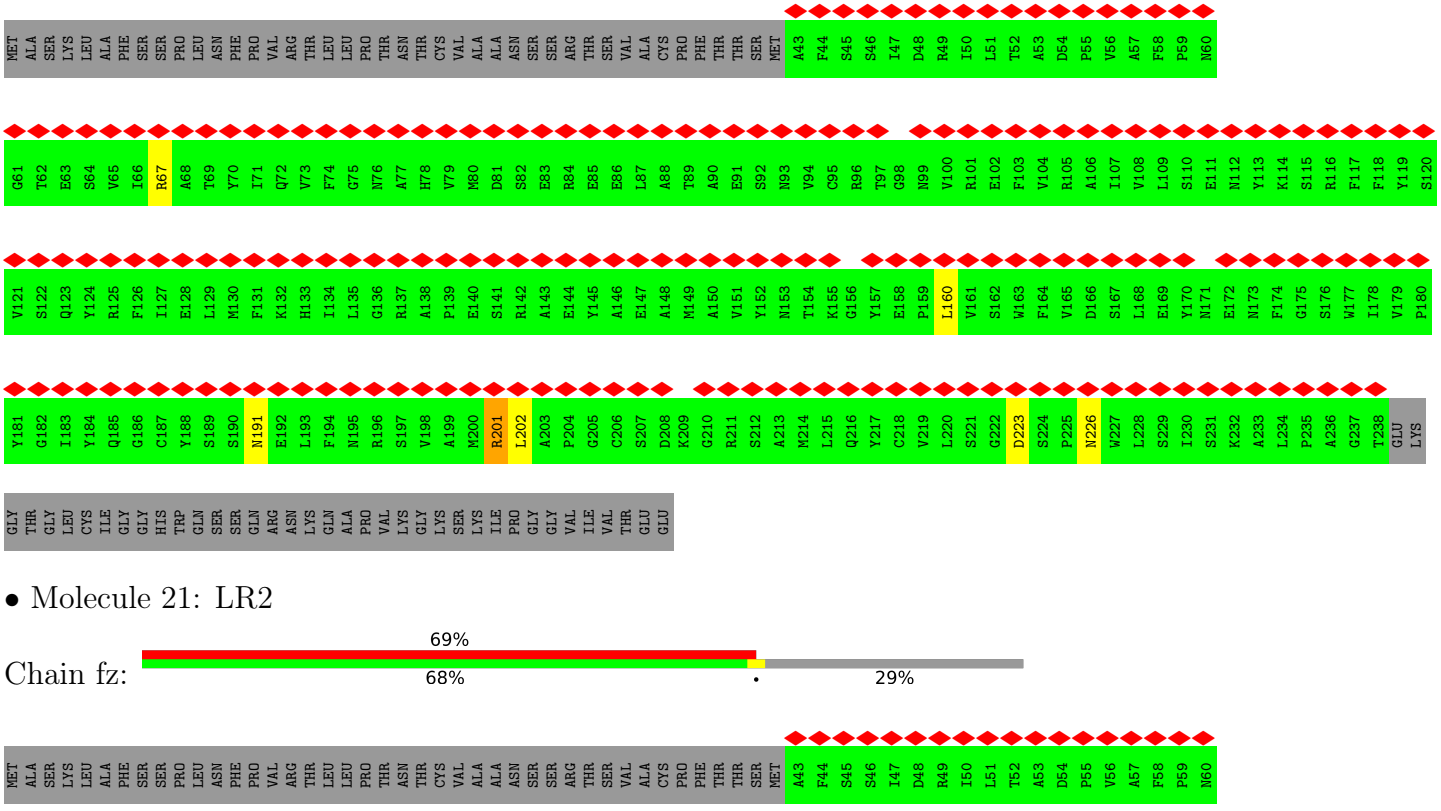
• Molecule 21: LR2

Chain ex:



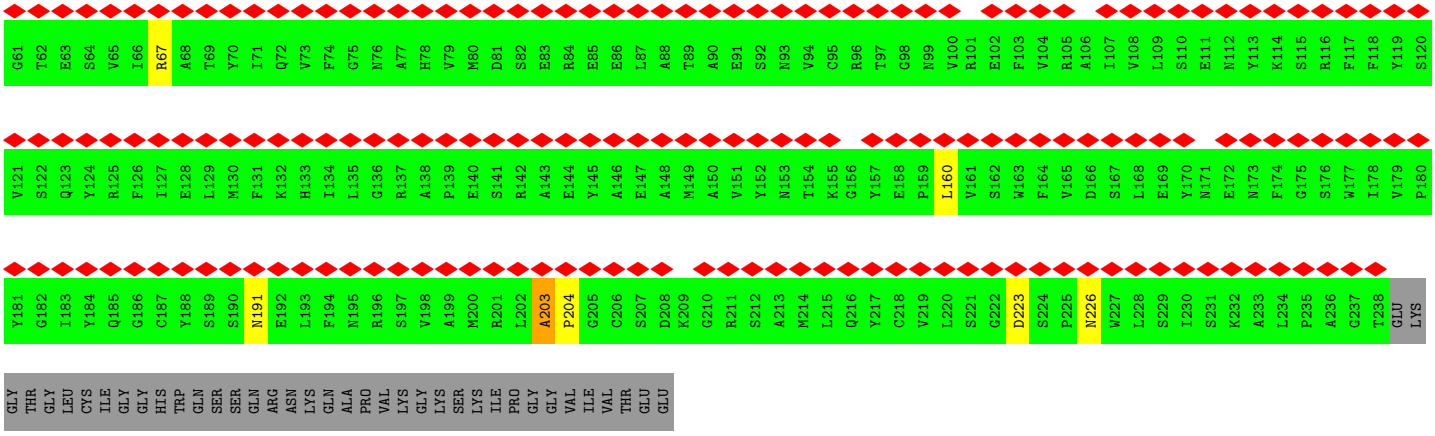
• Molecule 21: LR2

Chain fd:



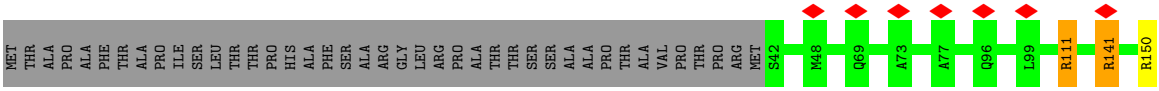
• Molecule 21: LR2

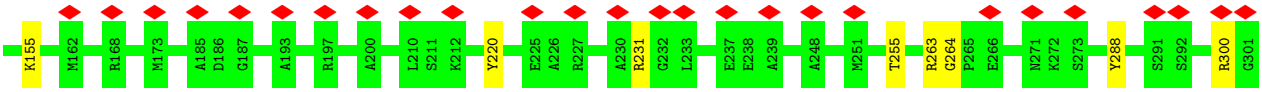
Chain fz:

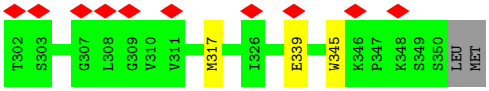


• Molecule 22: LR_gamma7

Chain eY:

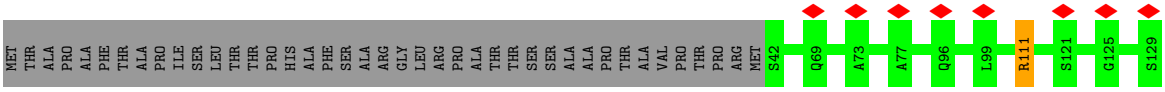


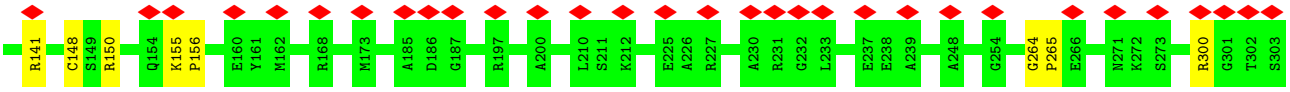


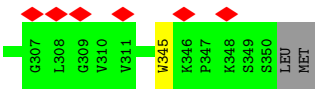


• Molecule 22: LR_gamma7

Chain eZ:

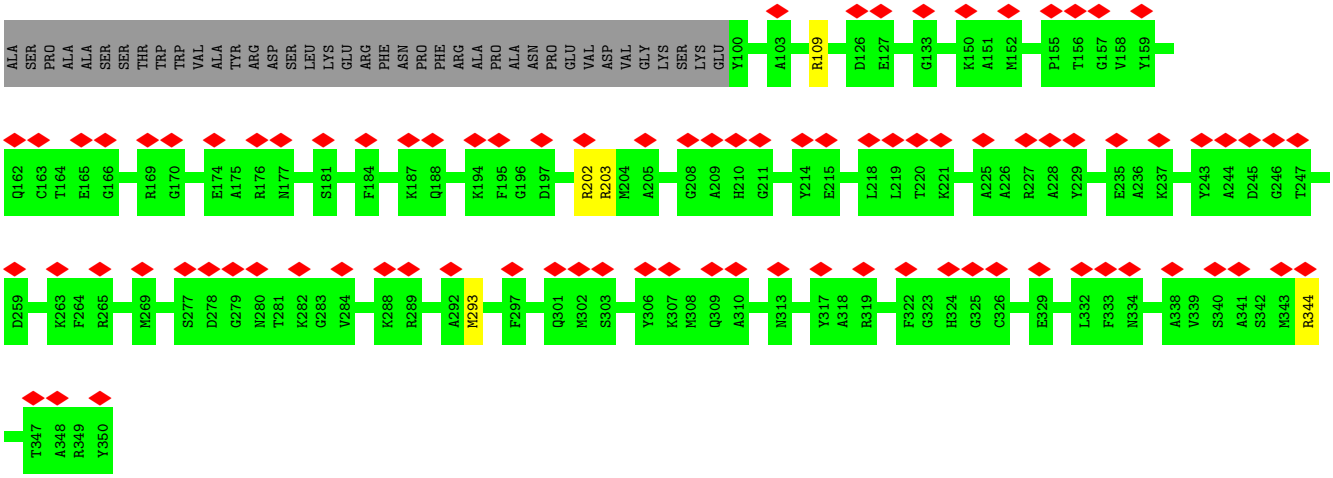






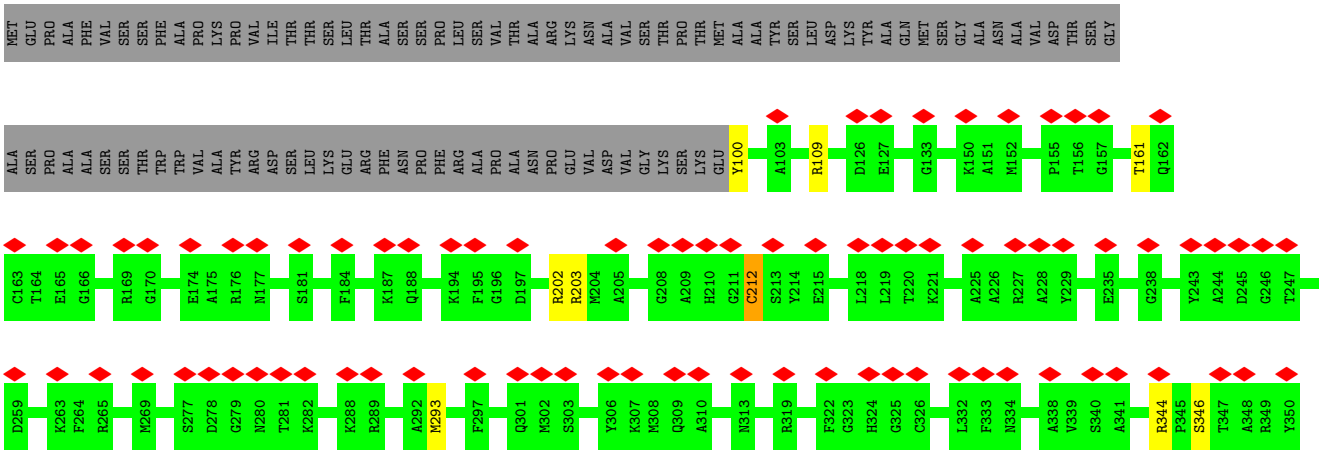
• Molecule 23: LR_gamma8

Chain ly:



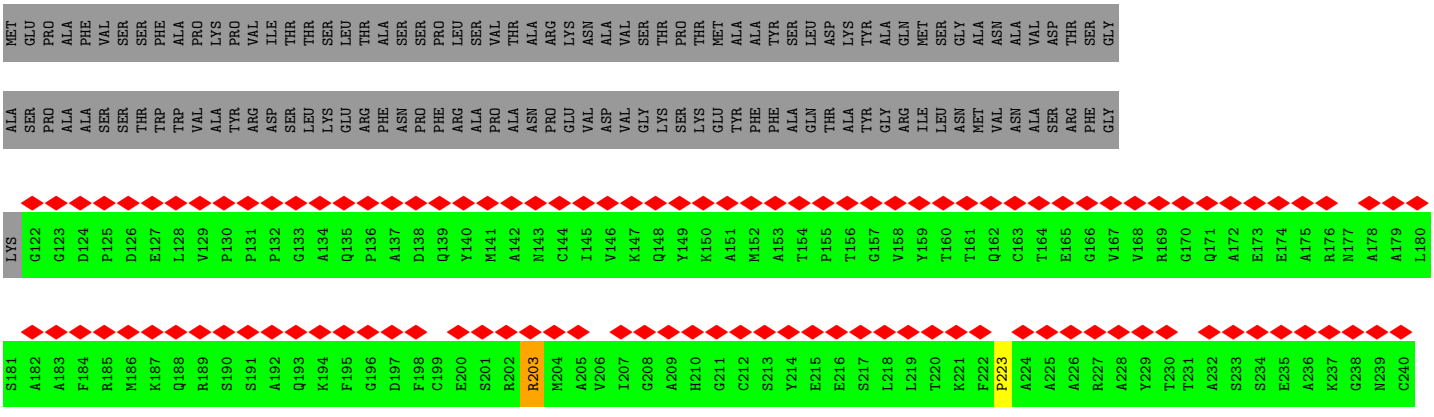
- Molecule 23: LR_gamma8

Chain lz:

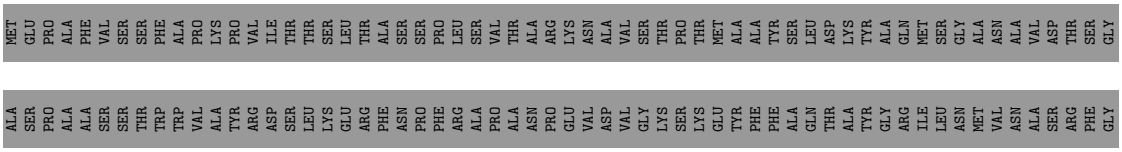


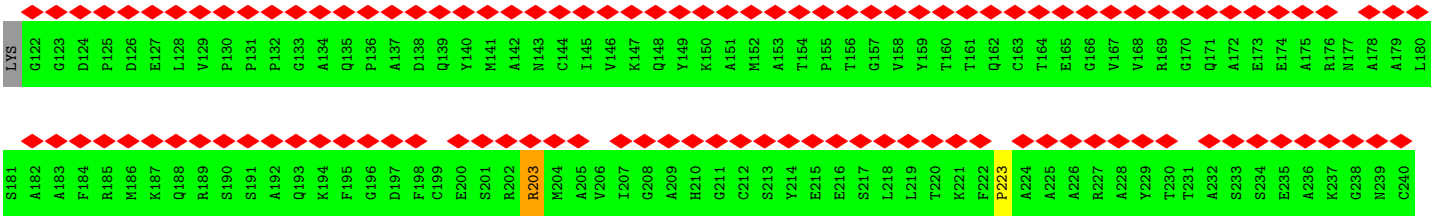
- Molecule 23: LR_gamma8

Chain hY:

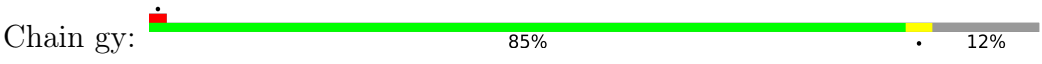


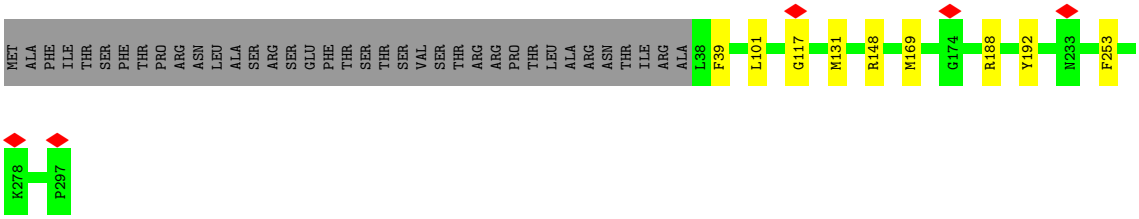
• Molecule 23: LR_gamma8



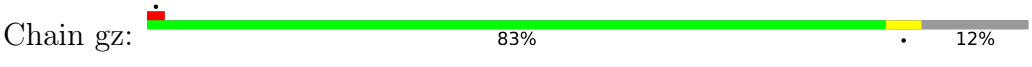


• Molecule 24: LR_gamma6



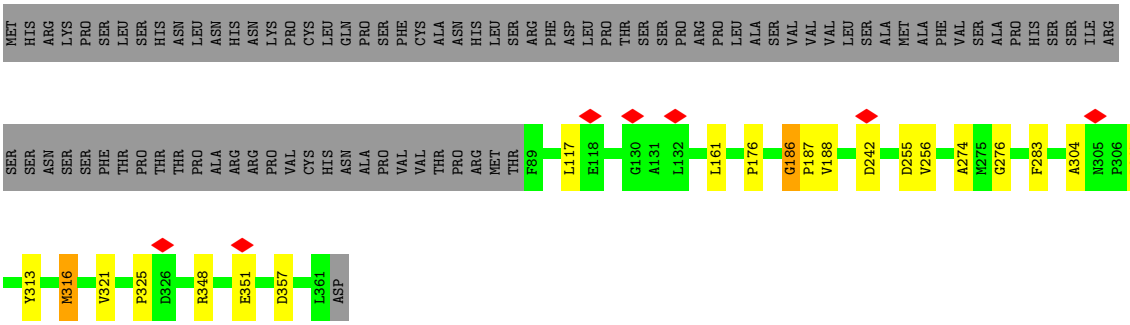


• Molecule 24: LR_gamma6



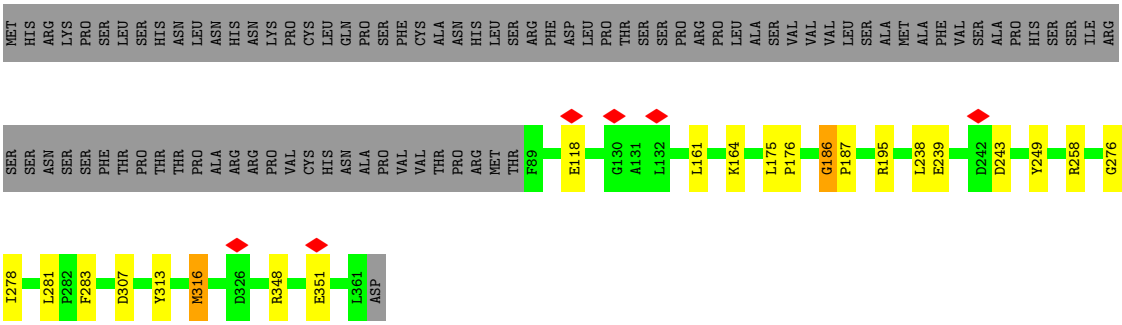
• Molecule 25: LR9

Chain ka:



• Molecule 25: LR9

Chain kb:



4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	53403	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	NONE	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	50	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor
Maximum map value	0.189	Depositor
Minimum map value	-0.130	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.008	Depositor
Recommended contour level	0.018	Depositor
Map size (Å)	739.2, 739.2, 739.2	wwPDB
Map dimensions	560, 560, 560	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.32, 1.32, 1.32	Depositor

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: PVN, PEB, CYC, PUB

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|>5$	RMSZ	#$\|Z\|>5$
1	A1	0.89	4/1682 (0.2%)	1.00	5/2293 (0.2%)
1	B1	0.93	5/1687 (0.3%)	1.02	5/2300 (0.2%)
2	C1	0.95	3/1201 (0.2%)	1.08	11/1641 (0.7%)
2	D1	0.93	1/1192 (0.1%)	1.12	6/1629 (0.4%)
3	E1	0.85	1/2068 (0.0%)	1.00	13/2820 (0.5%)
3	F1	0.90	3/2068 (0.1%)	1.08	12/2820 (0.4%)
4	G1	1.46	10/1236 (0.8%)	1.39	23/1666 (1.4%)
4	I1	0.89	1/1236 (0.1%)	0.91	2/1666 (0.1%)
4	K1	0.89	2/1236 (0.2%)	0.93	6/1666 (0.4%)
4	N1	1.59	5/1236 (0.4%)	1.32	20/1666 (1.2%)
4	P1	1.30	6/1236 (0.5%)	1.29	15/1666 (0.9%)
4	R1	0.91	1/1236 (0.1%)	0.94	5/1666 (0.3%)
4	T1	1.00	1/1236 (0.1%)	1.13	9/1666 (0.5%)
4	X1	0.93	2/1236 (0.2%)	0.90	2/1666 (0.1%)
4	Z1	0.88	2/1236 (0.2%)	1.01	6/1666 (0.4%)
4	b1	1.42	8/1236 (0.6%)	1.41	23/1666 (1.4%)
4	d1	1.22	3/1236 (0.2%)	1.32	19/1666 (1.1%)
4	f1	1.21	4/1236 (0.3%)	1.20	13/1666 (0.8%)
4	i1	0.89	2/1236 (0.2%)	0.90	6/1666 (0.4%)
4	k1	1.02	2/1236 (0.2%)	1.17	13/1666 (0.8%)
4	o1	0.89	3/1236 (0.2%)	0.94	4/1666 (0.2%)
4	q1	1.24	5/1236 (0.4%)	1.21	19/1666 (1.1%)
4	s1	1.80	24/1236 (1.9%)	1.53	25/1666 (1.5%)
4	u1	0.89	2/1236 (0.2%)	0.96	5/1666 (0.3%)
4	w1	1.34	7/1236 (0.6%)	1.23	17/1666 (1.0%)
4	y1	2.03	25/1236 (2.0%)	1.66	34/1666 (2.0%)
5	H1	1.02	3/1240 (0.2%)	1.14	8/1680 (0.5%)
5	J1	0.89	0/1240	1.06	9/1680 (0.5%)
5	L1	1.02	1/1240 (0.1%)	1.15	10/1680 (0.6%)
5	M1	1.01	1/1240 (0.1%)	1.12	12/1680 (0.7%)
5	O1	1.30	3/1240 (0.2%)	1.47	20/1680 (1.2%)
5	S1	1.17	5/1240 (0.4%)	1.23	17/1680 (1.0%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
5	U1	1.09	2/1240 (0.2%)	1.21	13/1680 (0.8%)
5	W1	1.30	5/1240 (0.4%)	1.25	12/1680 (0.7%)
5	Y1	0.91	1/1240 (0.1%)	1.10	10/1680 (0.6%)
5	a1	1.08	2/1240 (0.2%)	1.17	11/1680 (0.7%)
5	c1	1.05	3/1240 (0.2%)	1.17	11/1680 (0.7%)
5	e1	1.36	3/1233 (0.2%)	1.52	21/1672 (1.3%)
5	h1	1.03	1/1240 (0.1%)	1.14	13/1680 (0.8%)
5	j1	1.09	5/1240 (0.4%)	1.18	17/1680 (1.0%)
5	l1	1.02	1/1240 (0.1%)	1.16	12/1680 (0.7%)
5	n1	1.27	5/1240 (0.4%)	1.26	10/1680 (0.6%)
5	p1	1.17	6/1240 (0.5%)	1.17	13/1680 (0.8%)
5	r1	1.28	11/1240 (0.9%)	1.22	11/1680 (0.7%)
5	t1	1.17	4/1240 (0.3%)	1.23	14/1680 (0.8%)
5	v1	1.20	6/1240 (0.5%)	1.24	15/1680 (0.9%)
5	x1	1.28	11/1240 (0.9%)	1.20	10/1680 (0.6%)
5	z1	1.18	4/1240 (0.3%)	1.24	11/1680 (0.7%)
6	Q1	0.91	3/1419 (0.2%)	1.05	10/1924 (0.5%)
6	g1	0.98	2/1419 (0.1%)	1.12	12/1924 (0.6%)
7	V1	0.88	2/1281 (0.2%)	0.96	3/1731 (0.2%)
7	m1	0.87	1/1281 (0.1%)	1.00	5/1731 (0.3%)
8	a2	0.99	18/6626 (0.3%)	1.10	41/8939 (0.5%)
8	b2	0.96	13/6626 (0.2%)	1.04	35/8939 (0.4%)
9	c2	0.96	3/730 (0.4%)	1.24	8/976 (0.8%)
9	d2	0.90	0/730	1.18	5/976 (0.5%)
10	A3	0.70	0/1266	0.87	1/1709 (0.1%)
10	A4	0.74	0/1266	0.91	3/1709 (0.2%)
10	A5	0.84	0/1266	1.09	4/1709 (0.2%)
10	A6	1.01	3/1266 (0.2%)	1.11	7/1709 (0.4%)
10	A7	0.85	2/1266 (0.2%)	1.02	5/1709 (0.3%)
10	A9	0.74	0/1266	0.91	5/1709 (0.3%)
10	B8	0.44	0/1266	0.61	0/1709
10	C3	0.70	0/1266	0.83	2/1709 (0.1%)
10	C4	0.71	0/1266	0.83	2/1709 (0.1%)
10	C5	0.87	1/1266 (0.1%)	1.05	7/1709 (0.4%)
10	C6	0.89	1/1266 (0.1%)	1.13	7/1709 (0.4%)
10	C7	1.06	1/1266 (0.1%)	1.28	15/1709 (0.9%)
10	C9	0.58	0/1266	0.76	3/1709 (0.2%)
10	D8	0.77	0/1266	0.94	5/1709 (0.3%)
10	E2	0.70	0/1266	0.79	1/1709 (0.1%)
10	E3	0.66	1/1266 (0.1%)	0.85	1/1709 (0.1%)
10	E4	0.83	0/1266	1.05	4/1709 (0.2%)
10	E5	0.76	0/1266	1.00	5/1709 (0.3%)
10	E6	0.83	1/1266 (0.1%)	1.02	7/1709 (0.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
10	E7	1.01	2/1266 (0.2%)	1.13	6/1709 (0.4%)
10	E9	0.82	0/1266	1.08	12/1709 (0.7%)
10	F8	0.42	0/1266	0.62	0/1709
10	G2	0.63	0/1266	0.77	0/1709
10	G3	0.66	0/1266	0.79	2/1709 (0.1%)
10	G4	0.90	1/1266 (0.1%)	1.06	6/1709 (0.4%)
10	G5	0.79	0/1266	0.98	2/1709 (0.1%)
10	G6	1.09	3/1266 (0.2%)	1.16	12/1709 (0.7%)
10	G7	0.85	1/1259 (0.1%)	1.05	6/1701 (0.4%)
10	G9	0.44	0/1266	0.63	0/1709
10	H8	0.42	0/1266	0.61	0/1709
10	I2	0.78	1/1266 (0.1%)	0.92	5/1709 (0.3%)
10	I3	0.70	0/1266	0.84	1/1709 (0.1%)
10	I4	0.75	0/1266	0.99	5/1709 (0.3%)
10	I5	0.85	0/1266	1.02	7/1709 (0.4%)
10	I6	0.85	1/1259 (0.1%)	1.03	7/1701 (0.4%)
10	I7	0.86	0/1266	1.05	4/1709 (0.2%)
10	I9	0.81	0/1266	1.00	4/1709 (0.2%)
10	J8	0.43	0/1266	0.64	1/1709 (0.1%)
10	K2	0.86	0/1266	1.06	6/1709 (0.4%)
10	K3	0.62	0/1266	0.75	1/1709 (0.1%)
10	K4	0.82	2/1266 (0.2%)	0.98	2/1709 (0.1%)
10	K5	0.43	0/1266	0.62	0/1709
10	K6	0.76	0/1266	0.95	3/1709 (0.2%)
10	K7	1.23	2/1266 (0.2%)	1.28	14/1709 (0.8%)
10	K9	0.43	0/1266	0.63	0/1709
10	L8	0.47	0/1266	0.66	0/1709
10	M2	0.73	0/1266	0.82	0/1709
10	M3	0.63	0/1266	0.78	2/1709 (0.1%)
10	M4	0.83	0/1266	0.98	7/1709 (0.4%)
10	M5	0.45	0/1266	0.63	0/1709
10	M6	0.61	1/1266 (0.1%)	0.79	4/1709 (0.2%)
10	M7	0.90	0/1266	1.10	9/1709 (0.5%)
10	M9	0.43	0/1266	0.61	0/1709
10	N8	0.45	0/1266	0.65	0/1709
10	O2	0.81	1/1266 (0.1%)	1.04	4/1709 (0.2%)
10	O3	0.48	0/1266	0.64	0/1709
10	O4	0.43	0/1266	0.62	0/1709
10	O5	0.41	0/1266	0.63	0/1709
10	O6	0.77	1/1266 (0.1%)	0.96	2/1709 (0.1%)
10	O7	0.67	0/1266	0.85	2/1709 (0.1%)
10	O9	0.43	0/1266	0.65	1/1709 (0.1%)
10	P8	0.44	0/1266	0.63	0/1709

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
10	Q2	0.76	0/1266	0.85	4/1709 (0.2%)
10	Q3	0.46	0/1266	0.61	0/1709
10	Q4	0.45	0/1266	0.62	0/1709
10	Q5	0.40	0/1266	0.60	0/1709
10	Q6	0.83	0/1266	1.01	7/1709 (0.4%)
10	Q7	0.82	1/1266 (0.1%)	1.02	4/1709 (0.2%)
10	Q9	0.46	0/1266	0.66	0/1709
10	S2	0.58	0/1266	0.71	0/1709
10	S3	0.47	0/1266	0.63	0/1709
10	S4	0.41	0/1266	0.62	0/1709
10	S5	0.42	0/1266	0.63	0/1709
10	S6	0.96	2/1266 (0.2%)	1.07	7/1709 (0.4%)
10	S7	0.82	0/1266	0.97	3/1709 (0.2%)
10	S9	0.44	0/1266	0.65	0/1709
10	U2	0.74	0/1266	0.80	1/1709 (0.1%)
10	U3	0.53	0/1266	0.70	1/1709 (0.1%)
10	U4	0.40	0/1266	0.60	0/1709
10	U5	0.42	0/1266	0.61	0/1709
10	U6	0.76	0/1266	0.92	2/1709 (0.1%)
10	U7	0.86	0/1266	1.01	5/1709 (0.3%)
10	U9	0.44	0/1266	0.63	0/1709
10	W2	0.93	2/1266 (0.2%)	1.01	4/1709 (0.2%)
10	W3	0.48	0/1266	0.64	0/1709
10	W4	0.42	0/1266	0.63	0/1709
10	W6	0.83	0/1266	0.97	2/1709 (0.1%)
10	W7	1.05	4/1266 (0.3%)	1.16	8/1709 (0.5%)
10	Y2	0.61	0/1266	0.75	0/1709
10	Y3	0.48	0/1266	0.66	0/1709
10	Y4	0.41	0/1266	0.62	0/1709
10	Y6	0.51	0/1266	0.73	1/1709 (0.1%)
10	Y7	0.86	1/1266 (0.1%)	1.07	9/1709 (0.5%)
10	aA	0.71	1/1266 (0.1%)	0.82	3/1709 (0.2%)
10	aC	0.78	0/1266	0.99	4/1709 (0.2%)
10	aE	0.72	0/1266	0.91	4/1709 (0.2%)
10	aG	0.61	0/1266	0.77	3/1709 (0.2%)
10	aI	0.63	0/1266	0.77	4/1709 (0.2%)
10	aK	0.50	0/1266	0.67	3/1709 (0.2%)
10	aM	0.56	0/1266	0.74	1/1709 (0.1%)
10	aO	0.55	0/1266	0.71	1/1709 (0.1%)
10	aQ	0.47	0/1266	0.67	2/1709 (0.1%)
10	aS	0.48	0/1266	0.68	2/1709 (0.1%)
10	aU	0.49	0/1266	0.69	2/1709 (0.1%)
10	am	0.54	0/1266	0.75	2/1709 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
10	ao	0.72	0/1266	0.86	3/1709 (0.2%)
10	aq	0.61	0/1266	0.84	6/1709 (0.4%)
10	as	0.80	2/1266 (0.2%)	1.03	9/1709 (0.5%)
10	au	0.88	0/1266	1.04	5/1709 (0.3%)
10	aw	0.59	0/1266	0.79	3/1709 (0.2%)
10	ay	0.73	0/1266	0.86	4/1709 (0.2%)
10	bA	0.71	1/1266 (0.1%)	0.98	2/1709 (0.1%)
10	bC	0.81	0/1266	1.13	6/1709 (0.4%)
10	bE	0.77	0/1266	1.06	6/1709 (0.4%)
10	bG	0.64	0/1266	0.99	3/1709 (0.2%)
10	bI	0.64	0/1266	0.94	4/1709 (0.2%)
10	bK	0.53	0/1266	0.93	3/1709 (0.2%)
10	bM	0.59	1/1266 (0.1%)	1.19	3/1709 (0.2%)
10	bO	0.57	0/1266	0.71	1/1709 (0.1%)
10	bQ	0.48	0/1266	0.84	2/1709 (0.1%)
10	bS	0.51	0/1266	0.81	2/1709 (0.1%)
10	bU	0.52	0/1266	1.05	3/1709 (0.2%)
10	bm	0.95	2/1266 (0.2%)	1.14	11/1709 (0.6%)
10	bt	0.95	3/1266 (0.2%)	1.10	11/1709 (0.6%)
10	bu	0.83	0/1266	0.98	5/1709 (0.3%)
10	bv	1.00	2/1266 (0.2%)	1.10	8/1709 (0.5%)
10	bw	0.75	0/1266	0.91	6/1709 (0.4%)
10	bx	0.82	0/1266	0.93	3/1709 (0.2%)
10	by	0.82	3/1266 (0.2%)	0.94	6/1709 (0.4%)
10	cA	0.66	1/1266 (0.1%)	0.83	2/1709 (0.1%)
10	cC	0.62	0/1266	0.96	3/1709 (0.2%)
10	cD	0.56	0/1266	0.74	2/1709 (0.1%)
10	cG	0.55	0/1266	0.68	0/1709
10	cI	0.60	1/1266 (0.1%)	0.77	2/1709 (0.1%)
10	cK	0.58	0/1266	0.68	1/1709 (0.1%)
10	cS	0.55	0/1266	0.67	1/1709 (0.1%)
10	cT	0.55	0/1266	0.69	0/1709
10	cU	0.54	0/1266	0.70	0/1709
10	cV	0.47	0/1266	0.62	0/1709
10	cW	0.62	1/1266 (0.1%)	0.77	2/1709 (0.1%)
10	cX	0.55	0/1266	0.71	1/1709 (0.1%)
10	cZ	0.50	0/1266	0.66	1/1709 (0.1%)
10	cm	1.00	4/1266 (0.3%)	1.27	13/1709 (0.8%)
10	ct	0.96	3/1266 (0.2%)	1.21	12/1709 (0.7%)
10	cu	0.81	0/1266	0.98	7/1709 (0.4%)
10	cv	0.95	2/1266 (0.2%)	1.08	8/1709 (0.5%)
10	cw	0.75	0/1266	1.01	4/1709 (0.2%)
10	cx	0.84	0/1266	0.98	3/1709 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
10	cy	0.91	4/1266 (0.3%)	1.04	6/1709 (0.4%)
10	dA	1.29	5/1266 (0.4%)	1.40	18/1709 (1.1%)
10	dC	0.44	0/1266	0.61	0/1709
10	dE	0.52	0/1266	0.68	0/1709
10	dG	0.79	0/1266	0.98	2/1709 (0.1%)
10	dI	0.64	0/1266	0.75	1/1709 (0.1%)
10	dJ	1.06	4/1266 (0.3%)	1.15	8/1709 (0.5%)
10	dM	0.66	0/1266	0.76	1/1709 (0.1%)
10	dO	1.00	1/1266 (0.1%)	1.09	8/1709 (0.5%)
10	dQ	0.72	1/1266 (0.1%)	0.84	1/1709 (0.1%)
10	dS	0.51	0/1266	0.69	1/1709 (0.1%)
10	dU	0.74	0/1266	0.91	2/1709 (0.1%)
10	dW	1.07	3/1266 (0.2%)	1.18	8/1709 (0.5%)
10	dZ	0.66	0/1266	0.82	2/1709 (0.1%)
10	da	0.46	0/1266	0.64	0/1709
10	db	0.45	0/1266	0.77	6/1709 (0.4%)
10	dc	0.50	0/1266	0.93	1/1709 (0.1%)
10	de	0.49	0/1266	0.66	3/1709 (0.2%)
10	dg	0.50	0/1266	0.69	1/1709 (0.1%)
10	dk	0.43	0/1266	0.62	1/1709 (0.1%)
10	dm	0.46	0/1266	0.62	0/1709
10	do	0.45	0/1266	0.66	2/1709 (0.1%)
10	dq	0.45	0/1266	0.60	0/1709
10	ds	0.49	0/1266	0.66	0/1709
10	du	0.51	0/1266	0.68	2/1709 (0.1%)
10	e2	0.60	0/1266	0.76	2/1709 (0.1%)
10	e3	0.68	0/1266	0.78	1/1709 (0.1%)
10	eA	0.61	0/1266	0.81	4/1709 (0.2%)
10	eC	0.70	0/1266	0.89	4/1709 (0.2%)
10	eE	0.70	0/1266	0.88	3/1709 (0.2%)
10	eG	0.65	0/1266	0.84	5/1709 (0.3%)
10	eI	0.56	0/1266	0.74	1/1709 (0.1%)
10	eK	0.57	0/1266	0.72	2/1709 (0.1%)
10	eM	0.84	0/1266	0.96	6/1709 (0.4%)
10	eO	0.59	0/1266	0.73	1/1709 (0.1%)
10	eQ	0.68	0/1266	0.87	4/1709 (0.2%)
10	eS	0.54	0/1266	0.75	3/1709 (0.2%)
10	eU	0.62	0/1266	0.80	1/1709 (0.1%)
10	eW	0.70	0/1266	0.91	5/1709 (0.3%)
10	ea	0.63	0/1266	0.78	0/1709
10	ed	0.67	0/1266	0.84	1/1709 (0.1%)
10	ef	0.85	0/1266	0.97	5/1709 (0.3%)
10	eh	0.77	0/1266	0.90	1/1709 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
10	ej	0.72	0/1266	0.89	1/1709 (0.1%)
10	ek	0.66	0/1266	0.81	3/1709 (0.2%)
10	em	0.69	0/1266	0.87	1/1709 (0.1%)
10	eo	0.80	0/1266	0.94	1/1709 (0.1%)
10	eq	0.73	0/1266	0.86	2/1709 (0.1%)
10	es	0.73	0/1266	0.91	1/1709 (0.1%)
10	eu	0.65	0/1266	0.80	1/1709 (0.1%)
10	f6	0.77	0/1266	1.01	6/1709 (0.4%)
10	f7	0.71	2/1266 (0.2%)	0.87	4/1709 (0.2%)
10	fb	0.37	0/1266	0.59	0/1709
10	fe	0.39	0/1266	0.60	0/1709
10	fg	0.32	0/1266	0.57	0/1709
10	fh	0.43	0/1266	0.65	0/1709
10	fk	0.41	0/1266	0.64	0/1709
10	fl	0.34	0/1266	0.59	0/1709
10	fn	0.54	0/1266	0.70	1/1709 (0.1%)
10	fp	0.43	0/1266	0.68	2/1709 (0.1%)
10	fr	0.42	0/1266	0.67	0/1709
10	ft	0.31	0/1266	0.55	1/1709 (0.1%)
10	fv	0.49	0/1266	0.67	0/1709
10	fx	0.38	0/1266	0.63	1/1709 (0.1%)
10	g2	0.67	1/1266 (0.1%)	0.80	2/1709 (0.1%)
10	g3	0.57	0/1266	0.69	0/1709
10	g6	0.83	0/1266	0.99	3/1709 (0.2%)
10	g7	0.77	0/1266	1.01	5/1709 (0.3%)
10	gb	0.71	0/1266	0.88	5/1709 (0.3%)
10	gc	0.83	1/1266 (0.1%)	0.90	2/1709 (0.1%)
10	gf	0.58	0/1266	0.74	1/1709 (0.1%)
10	gh	0.53	0/1266	0.86	8/1709 (0.5%)
10	gj	0.53	0/1266	0.73	3/1709 (0.2%)
10	gl	0.49	0/1266	0.69	1/1709 (0.1%)
10	gm	1.18	6/1266 (0.5%)	1.16	8/1709 (0.5%)
10	go	0.50	0/1266	0.83	5/1709 (0.3%)
10	gq	0.70	0/1266	0.97	6/1709 (0.4%)
10	gs	0.84	1/1266 (0.1%)	0.93	3/1709 (0.2%)
10	gu	0.53	0/1266	0.71	1/1709 (0.1%)
10	gw	0.49	0/1266	0.84	1/1709 (0.1%)
10	h6	0.68	0/1266	0.87	5/1709 (0.3%)
10	h7	0.82	1/1266 (0.1%)	0.99	4/1709 (0.2%)
10	hA	0.42	0/1266	0.58	1/1709 (0.1%)
10	hC	0.40	0/1266	0.59	1/1709 (0.1%)
10	hE	0.34	0/1266	0.53	0/1709
10	hF	0.39	0/1266	0.57	0/1709

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
10	hI	0.37	0/1266	0.55	0/1709
10	hK	0.35	0/1266	0.55	0/1709
10	hM	0.36	0/1266	0.55	0/1709
10	hO	0.34	0/1266	0.53	0/1709
10	hQ	0.36	0/1266	0.55	0/1709
10	hS	0.37	0/1266	0.57	1/1709 (0.1%)
10	hU	0.36	0/1266	0.56	0/1709
10	hW	0.38	0/1266	0.56	0/1709
10	i2	0.70	0/1266	0.85	1/1709 (0.1%)
10	i3	0.79	1/1266 (0.1%)	0.93	6/1709 (0.4%)
10	i6	0.53	0/1266	0.71	1/1709 (0.1%)
10	i7	0.84	0/1266	1.14	12/1709 (0.7%)
10	i8	0.45	0/1266	0.64	1/1709 (0.1%)
10	iA	1.02	4/1266 (0.3%)	1.07	9/1709 (0.5%)
10	iB	1.00	4/1266 (0.3%)	1.06	9/1709 (0.5%)
10	j6	0.83	0/1266	1.10	9/1709 (0.5%)
10	j7	0.83	0/1266	1.01	6/1709 (0.4%)
10	j8	0.39	0/1266	0.63	2/1709 (0.1%)
10	k2	0.60	0/1266	0.74	1/1709 (0.1%)
10	k3	0.89	0/1266	1.06	6/1709 (0.4%)
10	k6	0.87	1/1266 (0.1%)	1.10	5/1709 (0.3%)
10	k7	0.86	1/1266 (0.1%)	1.09	9/1709 (0.5%)
10	k8	0.62	1/1266 (0.1%)	0.81	3/1709 (0.2%)
10	l8	0.46	0/1266	0.67	1/1709 (0.1%)
10	la	1.10	4/1266 (0.3%)	1.21	13/1709 (0.8%)
10	lc	0.54	0/1266	0.72	1/1709 (0.1%)
10	le	0.73	0/1266	0.87	2/1709 (0.1%)
10	lg	0.62	1/1266 (0.1%)	0.81	2/1709 (0.1%)
10	li	0.72	0/1266	1.00	5/1709 (0.3%)
10	lk	0.59	0/1266	0.77	0/1709
10	lm	0.59	0/1266	0.78	2/1709 (0.1%)
10	lo	0.75	1/1266 (0.1%)	0.87	1/1709 (0.1%)
10	lq	0.96	3/1266 (0.2%)	1.06	6/1709 (0.4%)
10	ls	0.60	0/1266	0.79	1/1709 (0.1%)
10	lu	0.61	1/1266 (0.1%)	0.80	3/1709 (0.2%)
10	lw	0.66	0/1266	0.93	7/1709 (0.4%)
10	m2	0.62	0/1266	0.75	1/1709 (0.1%)
10	m3	0.81	0/1266	0.95	3/1709 (0.2%)
10	m4	0.89	3/1266 (0.2%)	1.08	6/1709 (0.4%)
10	m5	0.96	3/1266 (0.2%)	1.14	7/1709 (0.4%)
10	m6	0.72	0/1266	0.89	1/1709 (0.1%)
10	m7	0.85	1/1266 (0.1%)	1.08	5/1709 (0.3%)
10	m8	0.49	0/1266	0.72	1/1709 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
10	m9	0.55	0/1266	0.75	2/1709 (0.1%)
10	o2	0.48	0/1266	0.65	1/1709 (0.1%)
10	o3	0.79	0/1266	0.93	3/1709 (0.2%)
10	o4	0.67	0/1266	0.85	0/1709
10	o5	0.68	0/1266	0.87	1/1709 (0.1%)
10	o6	0.86	1/1266 (0.1%)	1.09	9/1709 (0.5%)
10	o7	0.76	0/1266	0.94	3/1709 (0.2%)
10	o9	0.69	0/1266	0.85	3/1709 (0.2%)
10	q2	0.45	0/1266	0.61	0/1709
10	q3	0.78	1/1266 (0.1%)	0.87	3/1709 (0.2%)
10	q4	0.88	0/1266	1.15	11/1709 (0.6%)
10	q5	0.89	0/1266	1.18	12/1709 (0.7%)
10	q6	0.51	0/1266	0.71	1/1709 (0.1%)
10	q7	0.81	0/1266	1.02	4/1709 (0.2%)
10	q8	0.60	0/1266	0.79	3/1709 (0.2%)
10	q9	0.63	0/1266	0.86	6/1709 (0.4%)
10	r8	0.56	0/1266	0.79	1/1709 (0.1%)
10	s2	0.46	0/1266	0.61	0/1709
10	s3	0.59	0/1266	0.73	0/1709
10	s4	0.86	1/1266 (0.1%)	1.07	8/1709 (0.5%)
10	s5	0.90	2/1266 (0.2%)	1.12	8/1709 (0.5%)
10	s6	0.81	0/1266	1.04	6/1709 (0.4%)
10	s7	0.77	0/1266	0.99	5/1709 (0.3%)
10	s8	0.44	0/1266	0.66	1/1709 (0.1%)
10	s9	0.79	2/1266 (0.2%)	1.00	9/1709 (0.5%)
10	t8	0.60	0/1266	0.85	2/1709 (0.1%)
10	u2	0.53	0/1266	0.68	1/1709 (0.1%)
10	u3	0.80	1/1266 (0.1%)	0.84	2/1709 (0.1%)
10	u4	0.80	2/1266 (0.2%)	0.98	2/1709 (0.1%)
10	u5	0.81	2/1266 (0.2%)	1.01	2/1709 (0.1%)
10	u6	0.75	0/1266	0.97	4/1709 (0.2%)
10	u7	0.54	0/1266	0.74	2/1709 (0.1%)
10	u8	0.51	0/1266	0.70	1/1709 (0.1%)
10	u9	0.87	0/1266	1.05	6/1709 (0.4%)
10	v8	0.73	0/1266	0.90	3/1709 (0.2%)
10	w2	0.51	0/1266	0.65	0/1709
10	w3	0.95	2/1266 (0.2%)	1.03	5/1709 (0.3%)
10	w4	0.80	1/1266 (0.1%)	0.93	3/1709 (0.2%)
10	w5	0.78	1/1266 (0.1%)	0.91	1/1709 (0.1%)
10	w6	0.40	0/1266	0.59	1/1709 (0.1%)
10	w7	0.46	0/1266	0.68	1/1709 (0.1%)
10	w9	0.59	0/1266	0.79	3/1709 (0.2%)
10	x8	0.57	0/1266	0.74	2/1709 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
10	y2	0.48	0/1266	0.65	0/1709
10	y3	0.65	0/1266	0.78	0/1709
10	y4	0.91	0/1266	1.11	6/1709 (0.4%)
10	y5	0.93	1/1266 (0.1%)	1.14	8/1709 (0.5%)
10	y9	0.72	0/1266	0.84	5/1709 (0.3%)
10	z8	0.74	0/1266	0.96	8/1709 (0.5%)
11	A8	0.57	0/1298	0.80	4/1754 (0.2%)
11	B3	0.74	0/1298	0.88	5/1754 (0.3%)
11	B4	0.74	0/1298	0.90	4/1754 (0.2%)
11	B5	0.82	0/1298	1.07	8/1754 (0.5%)
11	B6	0.83	0/1298	1.06	7/1754 (0.4%)
11	B7	1.01	1/1298 (0.1%)	1.03	8/1754 (0.5%)
11	B9	0.61	0/1298	0.74	1/1754 (0.1%)
11	C8	0.67	0/1298	0.90	2/1754 (0.1%)
11	D3	0.71	0/1298	0.90	2/1754 (0.1%)
11	D4	0.69	0/1298	0.89	4/1754 (0.2%)
11	D5	0.84	0/1298	1.13	8/1754 (0.5%)
11	D6	0.71	0/1298	0.92	3/1754 (0.2%)
11	D7	0.81	0/1298	1.09	7/1754 (0.4%)
11	D9	0.84	0/1298	1.00	2/1754 (0.1%)
11	E8	0.72	0/1298	0.89	3/1754 (0.2%)
11	F2	0.60	0/1298	0.80	2/1754 (0.1%)
11	F3	0.63	0/1298	0.88	3/1754 (0.2%)
11	F4	0.82	0/1298	1.08	8/1754 (0.5%)
11	F5	0.73	0/1298	0.96	4/1754 (0.2%)
11	F6	0.98	0/1298	1.13	12/1754 (0.7%)
11	F7	0.74	0/1298	0.93	3/1754 (0.2%)
11	F9	0.58	0/1298	0.81	4/1754 (0.2%)
11	G8	0.42	0/1298	0.65	0/1754
11	H2	0.76	0/1298	1.08	8/1754 (0.5%)
11	H3	0.66	0/1298	0.83	2/1754 (0.1%)
11	H4	0.86	0/1298	1.13	9/1754 (0.5%)
11	H5	0.75	1/1298 (0.1%)	1.02	5/1754 (0.3%)
11	H6	0.81	0/1298	1.02	6/1754 (0.3%)
11	H7	0.78	0/1298	1.03	7/1754 (0.4%)
11	H9	0.73	0/1298	0.97	5/1754 (0.3%)
11	I8	0.45	0/1298	0.65	0/1754
11	J2	0.62	0/1298	0.86	3/1754 (0.2%)
11	J3	0.57	0/1298	0.75	2/1754 (0.1%)
11	J4	0.73	0/1298	0.95	5/1754 (0.3%)
11	J5	0.83	0/1298	1.08	8/1754 (0.5%)
11	J6	0.76	0/1298	1.02	5/1754 (0.3%)
11	J7	0.90	3/1298 (0.2%)	1.04	9/1754 (0.5%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	J9	0.69	0/1298	0.86	4/1754 (0.2%)
11	K8	0.41	0/1298	0.63	0/1754
11	L2	0.91	0/1298	1.16	12/1754 (0.7%)
11	L3	0.60	0/1298	0.81	3/1754 (0.2%)
11	L4	0.74	1/1298 (0.1%)	1.02	5/1754 (0.3%)
11	L5	0.42	0/1298	0.63	1/1754 (0.1%)
11	L6	1.04	5/1298 (0.4%)	1.20	15/1754 (0.9%)
11	L7	0.82	0/1298	1.05	3/1754 (0.2%)
11	L9	0.42	0/1298	0.66	0/1754
11	M8	0.43	0/1298	0.63	0/1754
11	N2	0.71	0/1298	0.91	3/1754 (0.2%)
11	N3	0.65	0/1298	0.81	1/1754 (0.1%)
11	N4	0.83	0/1298	1.08	9/1754 (0.5%)
11	N5	0.39	0/1298	0.61	0/1754
11	N6	0.89	0/1298	1.11	7/1754 (0.4%)
11	N7	1.03	1/1298 (0.1%)	1.19	9/1754 (0.5%)
11	N9	0.45	0/1298	0.65	0/1754
11	O8	0.40	0/1298	0.62	0/1754
11	P2	0.54	0/1298	0.74	2/1754 (0.1%)
11	P3	0.45	0/1298	0.63	0/1754
11	P4	0.42	0/1298	0.62	1/1754 (0.1%)
11	P5	0.41	0/1298	0.65	2/1754 (0.1%)
11	P6	0.89	1/1298 (0.1%)	1.05	9/1754 (0.5%)
11	P7	0.89	0/1298	1.11	6/1754 (0.3%)
11	P9	0.41	0/1298	0.63	0/1754
11	Q8	0.40	0/1298	0.61	0/1754
11	R2	0.63	0/1298	0.78	2/1754 (0.1%)
11	R3	0.45	0/1298	0.67	2/1754 (0.1%)
11	R4	0.38	0/1298	0.60	0/1754
11	R5	0.41	0/1298	0.61	0/1754
11	R6	0.98	1/1298 (0.1%)	1.16	8/1754 (0.5%)
11	R7	0.86	1/1298 (0.1%)	1.10	8/1754 (0.5%)
11	R9	0.44	0/1298	0.64	0/1754
11	T2	0.78	0/1298	1.01	6/1754 (0.3%)
11	T3	0.48	0/1298	0.65	1/1754 (0.1%)
11	T4	0.41	0/1298	0.65	1/1754 (0.1%)
11	T5	0.41	0/1298	0.61	0/1754
11	T6	0.99	1/1298 (0.1%)	1.10	9/1754 (0.5%)
11	T7	0.79	0/1298	1.01	5/1754 (0.3%)
11	T9	0.41	0/1298	0.62	0/1754
11	V2	0.94	0/1298	1.07	5/1754 (0.3%)
11	V3	0.51	0/1298	0.71	0/1754
11	V4	0.41	0/1298	0.61	0/1754

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	V5	0.44	1/1298 (0.1%)	0.62	1/1754 (0.1%)
11	V6	0.77	0/1298	0.99	5/1754 (0.3%)
11	V7	0.95	1/1298 (0.1%)	1.13	10/1754 (0.6%)
11	V9	0.40	0/1298	0.61	0/1754
11	X2	0.74	0/1298	0.91	2/1754 (0.1%)
11	X3	0.48	0/1298	0.65	0/1754
11	X4	0.41	0/1298	0.61	0/1754
11	X6	0.96	2/1298 (0.2%)	1.14	10/1754 (0.6%)
11	X7	1.02	3/1298 (0.2%)	1.10	12/1754 (0.7%)
11	Z2	0.64	0/1298	0.84	3/1754 (0.2%)
11	Z3	0.45	0/1298	0.66	1/1754 (0.1%)
11	Z4	0.44	1/1298 (0.1%)	0.63	1/1754 (0.1%)
11	Z6	0.83	1/1298 (0.1%)	1.02	6/1754 (0.3%)
11	Z7	0.95	2/1298 (0.2%)	1.15	6/1754 (0.3%)
11	a6	0.88	2/1298 (0.2%)	1.08	6/1754 (0.3%)
11	a7	0.92	0/1298	1.15	12/1754 (0.7%)
11	aB	0.78	0/1298	0.99	5/1754 (0.3%)
11	aD	0.68	0/1298	0.91	3/1754 (0.2%)
11	aF	0.58	1/1298 (0.1%)	0.74	0/1754
11	aH	0.83	0/1298	1.01	4/1754 (0.2%)
11	aJ	0.69	1/1298 (0.1%)	0.87	1/1754 (0.1%)
11	aL	0.50	0/1298	0.70	1/1754 (0.1%)
11	aN	0.50	0/1298	0.70	0/1754
11	aP	0.47	0/1298	0.68	1/1754 (0.1%)
11	aR	0.49	0/1298	0.69	1/1754 (0.1%)
11	aT	0.52	1/1298 (0.1%)	0.76	1/1754 (0.1%)
11	aV	0.48	0/1298	0.67	0/1754
11	an	0.67	0/1298	0.94	8/1754 (0.5%)
11	ap	0.86	0/1298	1.08	8/1754 (0.5%)
11	ar	0.82	0/1298	0.98	6/1754 (0.3%)
11	at	0.91	0/1298	1.14	10/1754 (0.6%)
11	av	0.84	0/1298	1.05	7/1754 (0.4%)
11	ax	0.78	0/1298	0.97	5/1754 (0.3%)
11	az	0.79	0/1298	1.07	9/1754 (0.5%)
11	b6	0.71	0/1298	0.87	4/1754 (0.2%)
11	b7	0.66	0/1298	0.89	5/1754 (0.3%)
11	bB	0.80	0/1298	1.01	6/1754 (0.3%)
11	bD	0.67	0/1298	0.92	3/1754 (0.2%)
11	bF	0.61	1/1298 (0.1%)	0.76	0/1754
11	bH	0.78	0/1298	0.97	5/1754 (0.3%)
11	bJ	0.71	1/1298 (0.1%)	0.88	1/1754 (0.1%)
11	bL	0.52	1/1298 (0.1%)	0.69	1/1754 (0.1%)
11	bN	0.51	0/1298	0.70	0/1754

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	bP	0.49	0/1298	0.71	2/1754 (0.1%)
11	bR	0.51	0/1298	0.71	1/1754 (0.1%)
11	bT	0.52	0/1298	0.76	1/1754 (0.1%)
11	bV	0.50	0/1298	0.69	1/1754 (0.1%)
11	bn	0.65	0/1298	0.84	4/1754 (0.2%)
11	bo	0.71	0/1298	0.99	7/1754 (0.4%)
11	bp	0.74	0/1298	0.90	2/1754 (0.1%)
11	bq	0.90	1/1298 (0.1%)	1.06	7/1754 (0.4%)
11	br	0.85	0/1298	1.11	8/1754 (0.5%)
11	bs	0.82	0/1298	0.99	6/1754 (0.3%)
11	bz	0.59	0/1298	0.76	2/1754 (0.1%)
11	c6	0.92	0/1298	1.15	11/1754 (0.6%)
11	c7	0.87	2/1298 (0.2%)	1.01	6/1754 (0.3%)
11	cB	0.50	0/1298	0.67	0/1754
11	cE	0.55	0/1298	0.74	0/1754
11	cF	0.52	1/1298 (0.1%)	0.64	0/1754
11	cH	0.57	0/1298	0.74	1/1754 (0.1%)
11	cJ	0.50	0/1298	0.68	0/1754
11	cL	0.60	0/1298	0.75	3/1754 (0.2%)
11	cM	0.51	0/1298	0.70	0/1754
11	cN	0.54	0/1298	0.72	1/1754 (0.1%)
11	cO	0.47	0/1298	0.64	0/1754
11	cP	0.53	0/1298	0.70	0/1754
11	cQ	0.51	0/1298	0.63	0/1754
11	cR	0.54	1/1298 (0.1%)	0.71	2/1754 (0.1%)
11	cY	0.44	0/1298	0.60	0/1754
11	cn	0.69	0/1298	0.88	5/1754 (0.3%)
11	co	0.81	0/1298	1.06	9/1754 (0.5%)
11	cp	0.78	0/1298	0.92	2/1754 (0.1%)
11	cq	0.89	1/1298 (0.1%)	1.04	6/1754 (0.3%)
11	cr	0.80	0/1298	1.03	6/1754 (0.3%)
11	cs	0.87	0/1298	1.08	9/1754 (0.5%)
11	cz	0.60	0/1298	0.77	2/1754 (0.1%)
11	d6	0.72	0/1298	0.97	4/1754 (0.2%)
11	d7	0.77	0/1298	0.99	4/1754 (0.2%)
11	dB	0.68	0/1298	0.84	2/1754 (0.1%)
11	dD	0.46	0/1298	0.68	0/1754
11	dF	0.42	0/1298	0.63	0/1754
11	dH	0.78	0/1298	0.92	3/1754 (0.2%)
11	dK	0.81	1/1298 (0.1%)	0.95	3/1754 (0.2%)
11	dL	0.87	0/1298	1.17	9/1754 (0.5%)
11	dN	0.91	1/1298 (0.1%)	1.02	5/1754 (0.3%)
11	dP	0.68	0/1298	0.89	2/1754 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	dR	0.47	0/1298	0.68	0/1754
11	dT	0.43	0/1298	0.64	0/1754
11	dV	0.77	0/1298	0.94	4/1754 (0.2%)
11	dX	0.93	0/1298	1.26	13/1754 (0.7%)
11	dY	0.67	0/1298	0.85	1/1754 (0.1%)
11	dd	0.43	0/1298	0.59	0/1754
11	df	0.44	0/1298	0.62	0/1754
11	dh	0.44	0/1298	0.61	0/1754
11	di	0.44	0/1298	0.61	0/1754
11	dj	0.46	0/1298	0.64	0/1754
11	dl	0.41	0/1298	0.59	0/1754
11	dn	0.43	0/1298	0.61	0/1754
11	dp	0.43	0/1298	0.60	0/1754
11	dr	0.40	0/1298	0.57	0/1754
11	dt	0.47	0/1298	0.64	0/1754
11	dv	0.45	0/1298	0.63	0/1754
11	e6	0.80	0/1298	1.01	3/1754 (0.2%)
11	e7	0.70	0/1298	0.89	2/1754 (0.1%)
11	eB	0.56	0/1298	0.80	3/1754 (0.2%)
11	eD	0.64	0/1298	0.81	2/1754 (0.1%)
11	eF	0.55	0/1298	0.76	3/1754 (0.2%)
11	eH	0.66	0/1298	0.86	3/1754 (0.2%)
11	eJ	0.71	2/1298 (0.2%)	0.89	6/1754 (0.3%)
11	eL	0.56	0/1298	0.82	3/1754 (0.2%)
11	eN	0.56	0/1298	0.78	2/1754 (0.1%)
11	eP	0.56	0/1298	0.79	2/1754 (0.1%)
11	eR	0.62	0/1298	0.81	2/1754 (0.1%)
11	eT	0.73	2/1298 (0.2%)	0.91	6/1754 (0.3%)
11	eV	0.56	0/1298	0.81	2/1754 (0.1%)
11	eX	0.69	1/1298 (0.1%)	0.89	4/1754 (0.2%)
11	eb	0.76	0/1298	0.95	4/1754 (0.2%)
11	ec	0.74	0/1298	0.93	2/1754 (0.1%)
11	ee	0.80	3/1298 (0.2%)	0.96	4/1754 (0.2%)
11	eg	0.68	0/1298	0.84	0/1754
11	ei	0.71	0/1298	1.01	6/1754 (0.3%)
11	el	0.76	0/1298	0.96	6/1754 (0.3%)
11	en	0.73	0/1298	0.93	3/1754 (0.2%)
11	ep	0.67	0/1298	0.83	0/1754
11	er	0.75	0/1298	1.06	8/1754 (0.5%)
11	et	0.71	0/1298	0.90	2/1754 (0.1%)
11	ev	0.79	0/1298	0.99	5/1754 (0.3%)
11	f2	0.63	0/1298	0.90	3/1754 (0.2%)
11	f3	0.59	0/1298	0.78	3/1754 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	f8	0.39	0/1298	0.59	0/1754
11	fa	0.34	0/1298	0.53	1/1754 (0.1%)
11	fc	0.34	0/1298	0.55	1/1754 (0.1%)
11	ff	0.46	0/1298	0.67	0/1754
11	fi	0.30	0/1298	0.55	1/1754 (0.1%)
11	fj	0.28	0/1298	0.52	1/1754 (0.1%)
11	fm	0.35	0/1298	0.59	1/1754 (0.1%)
11	fo	0.45	0/1298	0.64	0/1754
11	fq	0.44	0/1298	0.63	0/1754
11	fs	0.36	0/1298	0.63	1/1754 (0.1%)
11	fu	0.28	0/1298	0.52	1/1754 (0.1%)
11	fw	0.29	0/1298	0.52	1/1754 (0.1%)
11	fy	0.34	0/1298	0.55	1/1754 (0.1%)
11	g8	0.48	0/1298	0.63	0/1754
11	ga	0.74	0/1298	0.85	2/1754 (0.1%)
11	gd	0.71	0/1298	0.83	2/1754 (0.1%)
11	ge	0.54	0/1298	0.70	0/1754
11	gg	0.59	1/1298 (0.1%)	0.70	0/1754
11	gi	0.50	0/1298	0.67	0/1754
11	gk	0.58	0/1298	0.74	0/1754
11	gn	0.58	1/1298 (0.1%)	0.72	0/1754
11	gp	0.53	0/1298	0.66	0/1754
11	gr	0.75	0/1298	0.85	2/1754 (0.1%)
11	gt	0.53	0/1298	0.71	0/1754
11	gv	0.62	0/1298	0.80	2/1754 (0.1%)
11	gx	0.77	1/1298 (0.1%)	0.88	3/1754 (0.2%)
11	h2	0.66	0/1298	0.83	3/1754 (0.2%)
11	h3	0.76	0/1298	1.09	7/1754 (0.4%)
11	h8	0.50	0/1298	0.77	2/1754 (0.1%)
11	hB	0.29	0/1298	0.49	0/1754
11	hD	0.33	0/1298	0.54	0/1754
11	hG	0.31	0/1298	0.51	0/1754
11	hH	0.31	0/1298	0.51	0/1754
11	hJ	0.32	0/1298	0.53	0/1754
11	hL	0.33	0/1298	0.53	0/1754
11	hN	0.31	0/1298	0.52	0/1754
11	hP	0.32	0/1298	0.52	0/1754
11	hR	0.31	0/1298	0.53	0/1754
11	hT	0.33	0/1298	0.53	0/1754
11	hV	0.31	0/1298	0.51	0/1754
11	hX	0.30	0/1298	0.50	0/1754
11	iC	0.82	1/1298 (0.1%)	0.98	4/1754 (0.2%)
11	iD	0.81	0/1298	0.96	6/1754 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	iE	0.66	0/1063	0.87	3/1437 (0.2%)
11	iF	0.74	0/1063	0.90	2/1437 (0.1%)
11	iG	0.59	0/1083	0.76	2/1464 (0.1%)
11	iH	0.59	0/1083	0.80	4/1464 (0.3%)
11	j2	0.56	0/1298	0.75	2/1754 (0.1%)
11	j3	0.57	0/1298	0.80	2/1754 (0.1%)
11	jI	0.54	0/1049	0.77	1/1418 (0.1%)
11	jJ	0.56	0/1049	0.78	2/1418 (0.1%)
11	jK	0.55	0/1057	0.78	1/1429 (0.1%)
11	jL	0.56	0/1057	0.78	1/1429 (0.1%)
11	jM	0.34	0/1057	0.58	0/1429
11	jN	0.34	0/1057	0.57	0/1429
11	jO	0.83	1/1057 (0.1%)	1.25	7/1429 (0.5%)
11	jP	0.76	1/1057 (0.1%)	1.15	7/1429 (0.5%)
11	kQ	0.55	0/1049	0.80	5/1418 (0.4%)
11	kR	0.57	0/1049	0.79	3/1418 (0.2%)
11	kS	0.62	0/1071	0.78	1/1448 (0.1%)
11	kT	0.81	0/1063	1.08	4/1437 (0.3%)
11	kU	0.39	0/1049	0.59	0/1418
11	kV	0.42	0/1049	0.60	0/1418
11	kW	0.45	0/1071	0.67	1/1448 (0.1%)
11	kX	0.45	0/1071	0.67	1/1448 (0.1%)
11	l2	0.58	0/1298	0.78	3/1754 (0.2%)
11	l3	0.84	0/1298	1.08	10/1754 (0.6%)
11	l6	0.75	0/1298	0.91	3/1754 (0.2%)
11	l7	0.90	2/1298 (0.2%)	1.06	5/1754 (0.3%)
11	lb	0.62	0/1298	0.76	1/1754 (0.1%)
11	ld	0.55	0/1298	0.80	4/1754 (0.2%)
11	lf	0.67	0/1298	0.87	3/1754 (0.2%)
11	lh	0.76	0/1298	1.03	7/1754 (0.4%)
11	lj	0.73	0/1298	0.96	4/1754 (0.2%)
11	ll	0.51	0/1298	0.75	2/1754 (0.1%)
11	ln	0.56	0/1298	0.84	6/1754 (0.3%)
11	lp	0.73	0/1298	0.92	2/1754 (0.1%)
11	lr	0.62	0/1298	0.80	2/1754 (0.1%)
11	lt	0.50	0/1298	0.74	1/1754 (0.1%)
11	lv	0.74	0/1298	0.99	6/1754 (0.3%)
11	lx	0.71	0/1298	0.93	5/1754 (0.3%)
11	n2	0.63	0/1298	0.78	0/1754
11	n3	0.71	0/1298	0.90	2/1754 (0.1%)
11	n4	0.76	0/1298	1.00	5/1754 (0.3%)
11	n5	0.70	0/1298	0.89	3/1754 (0.2%)
11	n6	0.84	1/1298 (0.1%)	1.04	6/1754 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	n7	0.81	0/1298	0.97	6/1754 (0.3%)
11	n8	0.67	0/1298	0.86	0/1754
11	n9	0.66	0/1298	0.92	7/1754 (0.4%)
11	o8	0.55	0/1298	0.78	2/1754 (0.1%)
11	p2	0.46	0/1298	0.63	0/1754
11	p3	0.54	0/1298	0.74	1/1754 (0.1%)
11	p4	0.63	0/1298	0.82	1/1754 (0.1%)
11	p5	0.64	0/1298	0.83	1/1754 (0.1%)
11	p6	0.79	1/1298 (0.1%)	1.01	4/1754 (0.2%)
11	p7	0.85	0/1298	1.06	6/1754 (0.3%)
11	p8	0.58	0/1298	0.73	0/1754
11	p9	0.93	0/1298	1.16	11/1754 (0.6%)
11	r2	0.46	0/1298	0.68	2/1754 (0.1%)
11	r3	0.62	0/1298	0.78	3/1754 (0.2%)
11	r4	0.81	0/1298	1.06	6/1754 (0.3%)
11	r5	0.78	0/1298	1.03	5/1754 (0.3%)
11	r6	0.87	0/1298	1.08	4/1754 (0.2%)
11	r7	0.77	0/1298	1.07	8/1754 (0.5%)
11	r9	0.86	0/1298	1.03	6/1754 (0.3%)
11	t2	0.48	0/1298	0.64	0/1754
11	t3	0.70	0/1298	0.93	3/1754 (0.2%)
11	t4	0.80	1/1298 (0.1%)	1.10	7/1754 (0.4%)
11	t5	0.78	1/1298 (0.1%)	1.12	9/1754 (0.5%)
11	t6	0.80	0/1298	1.12	10/1754 (0.6%)
11	t7	0.65	0/1298	0.82	1/1754 (0.1%)
11	t9	0.92	0/1298	1.10	9/1754 (0.5%)
11	v2	0.52	0/1298	0.70	1/1754 (0.1%)
11	v3	0.90	0/1298	1.07	5/1754 (0.3%)
11	v4	0.79	0/1298	1.06	9/1754 (0.5%)
11	v5	0.80	0/1298	1.07	10/1754 (0.6%)
11	v6	0.63	0/1298	0.76	2/1754 (0.1%)
11	v7	0.93	0/1298	1.14	7/1754 (0.4%)
11	v9	0.87	0/1298	1.11	6/1754 (0.3%)
11	w8	0.60	0/1298	0.73	1/1754 (0.1%)
11	x2	0.48	0/1298	0.66	1/1754 (0.1%)
11	x3	0.68	0/1298	0.87	2/1754 (0.1%)
11	x4	0.99	1/1298 (0.1%)	1.22	14/1754 (0.8%)
11	x5	0.91	0/1298	1.20	12/1754 (0.7%)
11	x6	0.43	0/1298	0.70	2/1754 (0.1%)
11	x7	0.55	0/1298	0.80	0/1754
11	x9	0.79	0/1298	0.99	7/1754 (0.4%)
11	y6	0.38	0/1298	0.59	0/1754
11	y7	0.66	0/1298	0.91	5/1754 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	y8	0.79	0/1298	0.95	2/1754 (0.1%)
11	z2	0.46	0/1298	0.66	1/1754 (0.1%)
11	z3	0.66	0/1298	0.86	3/1754 (0.2%)
11	z4	0.73	0/1298	1.02	8/1754 (0.5%)
11	z5	0.70	0/1298	0.97	6/1754 (0.3%)
11	z6	0.50	0/1298	0.76	3/1754 (0.2%)
11	z7	0.63	0/1298	0.86	0/1754
11	z9	0.76	0/1298	1.02	7/1754 (0.4%)
12	34	1.01	1/2147 (0.0%)	1.21	22/2891 (0.8%)
12	A2	1.04	3/2147 (0.1%)	1.27	20/2891 (0.7%)
12	U8	1.01	3/2147 (0.1%)	1.20	16/2891 (0.6%)
12	Y5	1.23	2/2147 (0.1%)	1.17	18/2891 (0.6%)
12	Z9	1.02	5/2147 (0.2%)	1.18	15/2891 (0.5%)
12	a3	1.07	3/2147 (0.1%)	1.31	21/2891 (0.7%)
12	aY	0.91	2/2147 (0.1%)	1.07	11/2891 (0.4%)
12	b8	0.98	1/2147 (0.0%)	1.09	5/2891 (0.2%)
12	b9	1.03	2/2147 (0.1%)	1.16	9/2891 (0.3%)
12	bY	0.99	2/2147 (0.1%)	1.19	18/2891 (0.6%)
12	dw	0.61	0/2147	0.81	4/2891 (0.1%)
12	dx	0.59	0/2147	0.79	4/2891 (0.1%)
12	ey	0.78	0/2147	1.01	9/2891 (0.3%)
12	ez	0.76	0/2134	0.96	7/2873 (0.2%)
13	B2	0.85	5/2998 (0.2%)	1.10	21/4060 (0.5%)
13	b3	0.87	6/2998 (0.2%)	1.15	27/4060 (0.7%)
14	44	0.57	0/1914	0.79	1/2571 (0.0%)
14	C2	0.84	2/1914 (0.1%)	1.00	7/2571 (0.3%)
14	D2	0.53	0/1864	0.71	1/2503 (0.0%)
14	T8	0.52	0/1914	0.76	3/2571 (0.1%)
14	Y9	0.52	0/1914	0.78	3/2571 (0.1%)
14	Z5	0.56	0/1914	0.79	1/2571 (0.0%)
14	aZ	0.63	2/1914 (0.1%)	0.81	4/2571 (0.2%)
14	bZ	0.66	2/1914 (0.1%)	0.84	4/2571 (0.2%)
14	c3	0.81	2/1914 (0.1%)	0.98	6/2571 (0.2%)
14	c8	0.89	0/1914	1.10	9/2571 (0.4%)
14	c9	0.95	0/1914	1.14	7/2571 (0.3%)
14	d3	0.54	0/1864	0.71	1/2503 (0.0%)
14	d8	0.85	0/1864	1.08	11/2503 (0.4%)
14	d9	0.83	0/1864	1.07	13/2503 (0.5%)
14	e8	0.51	0/1864	0.77	7/2503 (0.3%)
14	e9	0.63	1/1864 (0.1%)	0.84	5/2503 (0.2%)
15	14	0.66	0/1924	0.94	3/2603 (0.1%)
15	R8	1.14	12/1915 (0.6%)	1.21	18/2591 (0.7%)
15	W5	0.72	0/1924	1.02	7/2603 (0.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
15	W9	1.28	17/1915 (0.9%)	1.33	23/2591 (0.9%)
15	aW	0.79	3/1932 (0.2%)	1.01	6/2614 (0.2%)
15	bW	0.83	4/1932 (0.2%)	1.03	9/2614 (0.3%)
16	24	1.01	3/2633 (0.1%)	1.19	16/3548 (0.5%)
16	S8	1.00	2/2639 (0.1%)	1.16	17/3555 (0.5%)
16	X5	1.09	4/2639 (0.2%)	1.25	21/3555 (0.6%)
16	X9	1.04	3/2639 (0.1%)	1.27	19/3555 (0.5%)
16	aX	0.96	1/2639 (0.0%)	1.12	10/3555 (0.3%)
16	bX	0.96	2/2639 (0.1%)	1.15	10/3555 (0.3%)
17	V8	0.66	0/1248	0.79	3/1693 (0.2%)
17	X8	0.88	1/1248 (0.1%)	0.94	6/1693 (0.4%)
17	Z8	0.65	0/1248	0.79	3/1693 (0.2%)
17	a4	0.69	0/1248	0.88	4/1693 (0.2%)
17	a5	0.78	0/1248	0.99	4/1693 (0.2%)
17	aa	0.67	0/1248	0.78	3/1693 (0.2%)
17	ac	0.84	1/1248 (0.1%)	0.91	6/1693 (0.4%)
17	ae	0.66	0/1257	0.80	3/1705 (0.2%)
17	ag	0.82	1/1248 (0.1%)	0.93	6/1693 (0.4%)
17	ai	0.51	0/1248	0.60	1/1693 (0.1%)
17	ak	0.94	1/1248 (0.1%)	1.16	11/1693 (0.6%)
17	b4	0.93	2/1248 (0.2%)	0.98	7/1693 (0.4%)
17	b5	0.83	0/1248	0.94	5/1693 (0.3%)
17	ba	0.94	2/1248 (0.2%)	1.14	8/1693 (0.5%)
17	bc	0.92	2/1248 (0.2%)	0.99	8/1693 (0.5%)
17	be	0.80	0/1257	0.96	5/1705 (0.3%)
17	bg	0.96	0/1248	1.09	5/1693 (0.3%)
17	bi	0.82	1/1248 (0.1%)	0.97	5/1693 (0.3%)
17	bk	0.80	0/1248	0.97	6/1693 (0.4%)
17	ca	0.98	4/1248 (0.3%)	1.18	10/1693 (0.6%)
17	cc	0.99	3/1248 (0.2%)	1.04	8/1693 (0.5%)
17	ce	0.78	0/1257	0.94	6/1705 (0.4%)
17	cg	0.96	0/1248	1.09	4/1693 (0.2%)
17	ci	0.93	1/1248 (0.1%)	1.07	8/1693 (0.5%)
17	ck	0.84	0/1248	1.00	4/1693 (0.2%)
17	d4	0.64	0/1248	0.81	3/1693 (0.2%)
17	d5	0.65	0/1248	0.82	3/1693 (0.2%)
17	f4	0.94	3/1248 (0.2%)	1.06	4/1693 (0.2%)
17	f5	0.89	2/1248 (0.2%)	1.04	5/1693 (0.3%)
17	g9	0.78	0/1248	0.89	6/1693 (0.4%)
17	i4	0.73	0/1248	0.88	4/1693 (0.2%)
17	i5	0.71	0/1248	0.86	4/1693 (0.2%)
17	i9	0.51	0/1248	0.60	1/1693 (0.1%)
17	k4	0.97	2/1248 (0.2%)	1.17	11/1693 (0.6%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
17	k5	1.05	2/1248 (0.2%)	1.24	15/1693 (0.9%)
17	k9	0.95	1/1248 (0.1%)	1.17	10/1693 (0.6%)
18	W8	0.77	0/1293	0.92	5/1749 (0.3%)
18	Y8	0.61	0/1293	0.75	1/1749 (0.1%)
18	ab	0.78	1/1293 (0.1%)	0.93	4/1749 (0.2%)
18	ad	0.65	0/1293	0.82	3/1749 (0.2%)
18	af	0.84	0/1293	1.00	2/1749 (0.1%)
18	ah	0.83	2/1293 (0.2%)	0.87	4/1749 (0.2%)
18	aj	0.61	0/1293	0.75	1/1749 (0.1%)
18	al	0.70	1/1293 (0.1%)	0.93	7/1749 (0.4%)
18	bb	1.17	1/1293 (0.1%)	1.16	15/1749 (0.9%)
18	bd	0.88	0/1293	1.03	5/1749 (0.3%)
18	bf	0.98	1/1293 (0.1%)	1.04	8/1749 (0.5%)
18	bh	0.76	0/1293	1.05	8/1749 (0.5%)
18	bj	0.96	1/1299 (0.1%)	1.11	9/1757 (0.5%)
18	bl	1.01	1/1293 (0.1%)	1.16	6/1749 (0.3%)
18	c4	0.76	1/1293 (0.1%)	0.93	5/1749 (0.3%)
18	c5	0.80	1/1293 (0.1%)	0.97	7/1749 (0.4%)
18	cb	1.05	1/1293 (0.1%)	1.20	12/1749 (0.7%)
18	cd	0.83	0/1293	0.95	6/1749 (0.3%)
18	cf	0.97	0/1293	1.02	6/1749 (0.3%)
18	ch	0.81	0/1293	1.07	8/1749 (0.5%)
18	cj	0.96	1/1299 (0.1%)	1.10	10/1757 (0.6%)
18	cl	1.02	1/1293 (0.1%)	1.18	8/1749 (0.5%)
18	e4	0.74	0/1293	1.02	6/1749 (0.3%)
18	e5	0.75	0/1293	1.04	8/1749 (0.5%)
18	f9	0.80	0/1293	0.96	3/1749 (0.2%)
18	g4	0.97	1/1293 (0.1%)	1.09	8/1749 (0.5%)
18	g5	1.01	2/1293 (0.2%)	1.13	8/1749 (0.5%)
18	h4	0.71	0/1293	0.90	1/1749 (0.1%)
18	h5	0.71	0/1293	0.90	1/1749 (0.1%)
18	h9	0.81	1/1293 (0.1%)	0.87	2/1749 (0.1%)
18	j4	0.83	1/1299 (0.1%)	1.00	4/1757 (0.2%)
18	j5	0.97	3/1299 (0.2%)	1.14	8/1757 (0.5%)
18	j9	0.58	0/1293	0.76	2/1749 (0.1%)
18	l4	0.83	0/1293	1.13	9/1749 (0.5%)
18	l5	0.93	2/1293 (0.2%)	1.14	9/1749 (0.5%)
18	l9	0.70	1/1293 (0.1%)	0.91	5/1749 (0.3%)
19	a8	0.61	3/2987 (0.1%)	0.83	12/4033 (0.3%)
19	a9	0.59	3/2987 (0.1%)	0.81	8/4033 (0.2%)
20	dy	0.79	4/2426 (0.2%)	0.98	13/3288 (0.4%)
20	dz	0.78	4/2426 (0.2%)	0.98	12/3288 (0.4%)
21	ew	1.00	2/1864 (0.1%)	1.04	5/2523 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
21	ex	1.00	3/1864 (0.2%)	1.00	5/2523 (0.2%)
21	fd	0.49	0/1588	0.72	1/2153 (0.0%)
21	fz	0.46	0/1588	0.65	2/2153 (0.1%)
22	eY	0.73	2/2375 (0.1%)	0.91	7/3209 (0.2%)
22	eZ	0.67	0/2375	0.94	2/3209 (0.1%)
23	hY	0.40	0/1784	0.60	1/2406 (0.0%)
23	hZ	0.42	0/1784	0.61	1/2406 (0.0%)
23	ly	0.62	0/1969	0.80	3/2654 (0.1%)
23	lz	0.64	0/1969	0.83	5/2654 (0.2%)
24	gy	0.66	0/2052	0.89	5/2777 (0.2%)
24	gz	0.67	0/2052	0.91	6/2777 (0.2%)
25	ka	0.94	3/2086 (0.1%)	1.05	7/2845 (0.2%)
25	kb	0.95	3/2086 (0.1%)	1.13	13/2845 (0.5%)
All	All	0.74	635/1162581 (0.1%)	0.91	3857/1570501 (0.2%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand.A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
5	M1	0	1
5	O1	0	1
5	U1	0	1
5	W1	0	1
5	c1	0	1
5	e1	0	1
5	h1	0	1
5	l1	0	1
5	n1	0	1
5	r1	0	1
6	Q1	0	1
6	g1	0	1
8	a2	0	3
8	b2	0	4
10	A5	0	1
10	A7	0	1
10	C3	0	1
10	C4	0	1
10	C5	0	2
10	C6	0	1
10	C7	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
10	E3	0	1
10	E4	0	1
10	E5	0	1
10	E6	0	1
10	E7	0	1
10	G2	0	1
10	G3	0	1
10	G4	0	2
10	G5	0	1
10	G7	0	1
10	I3	0	1
10	I4	0	1
10	I5	0	1
10	I6	0	1
10	I7	0	1
10	K3	0	1
10	K4	0	1
10	K5	0	1
10	K6	0	1
10	K7	0	2
10	M3	0	1
10	M4	0	1
10	M5	0	1
10	M7	0	1
10	O3	0	1
10	O4	0	1
10	O5	0	1
10	O6	0	1
10	O7	0	1
10	Q2	0	1
10	Q3	0	1
10	Q4	0	1
10	Q5	0	1
10	Q6	0	1
10	Q7	0	1
10	S3	0	1
10	S4	0	1
10	S5	0	1
10	S6	0	1
10	S7	0	1
10	U2	0	1
10	U3	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
10	U4	0	1
10	U5	0	1
10	U6	0	1
10	U7	0	1
10	W2	0	1
10	W3	0	1
10	W4	0	1
10	W7	0	1
10	Y3	0	1
10	Y4	0	1
10	Y6	0	1
10	Y7	0	1
10	aA	0	1
10	aC	0	1
10	aE	0	1
10	aG	0	1
10	aI	0	1
10	aK	0	1
10	aO	0	1
10	aQ	0	1
10	aS	0	1
10	aU	0	1
10	bA	0	1
10	bC	0	1
10	bE	0	1
10	bG	0	1
10	bI	0	1
10	bK	0	1
10	bM	0	1
10	bO	0	1
10	bQ	0	1
10	bS	0	1
10	bU	0	1
10	bt	0	1
10	cA	0	1
10	cC	0	1
10	cD	0	1
10	cG	0	1
10	cI	0	2
10	cK	0	2
10	cS	0	1
10	cT	0	2

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Mol	Chain	#Chirality outliers	#Planarity outliers
10	cV	0	1
10	cW	0	1
10	cX	0	1
10	cZ	0	1
10	cm	0	1
10	ct	0	1
10	dA	0	1
10	dC	0	1
10	dE	0	1
10	dG	0	1
10	dI	0	1
10	dJ	0	1
10	dM	0	1
10	dO	0	1
10	dQ	0	1
10	dS	0	1
10	dU	0	1
10	dW	0	1
10	dZ	0	1
10	da	0	1
10	db	0	1
10	dc	0	1
10	de	0	1
10	dk	0	1
10	dm	0	1
10	dq	0	1
10	e2	0	1
10	eA	0	1
10	eC	0	1
10	eE	0	1
10	eG	0	1
10	eI	0	1
10	eK	0	1
10	eM	0	1
10	eO	0	1
10	eQ	0	1
10	eS	0	1
10	ea	0	1
10	ed	0	2
10	ef	0	1
10	eh	0	1
10	ej	0	2

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Mol	Chain	#Chirality outliers	#Planarity outliers
10	ek	0	1
10	em	0	2
10	eo	0	1
10	eq	0	1
10	es	0	2
10	f6	0	1
10	f7	0	1
10	fb	0	3
10	fe	0	3
10	fg	0	5
10	fh	0	3
10	fk	0	3
10	fl	0	5
10	fn	0	2
10	fp	0	3
10	fr	0	3
10	ft	0	2
10	fv	0	2
10	fx	0	2
10	g2	0	1
10	g3	0	1
10	g6	0	1
10	g7	0	1
10	gb	0	1
10	gc	0	1
10	gh	0	1
10	gj	0	1
10	gl	0	1
10	gm	0	2
10	go	0	1
10	gq	0	1
10	gs	0	1
10	gu	0	1
10	gw	0	1
10	h7	0	1
10	hA	0	1
10	hC	0	1
10	hE	0	1
10	hF	0	1
10	hI	0	1
10	hK	0	1
10	hM	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
10	hO	0	1
10	hQ	0	1
10	hS	0	1
10	hU	0	1
10	hW	0	1
10	i2	0	1
10	i6	0	1
10	i7	0	1
10	i8	0	1
10	j6	0	1
10	j7	0	1
10	j8	0	1
10	k2	0	1
10	k6	0	1
10	k7	0	1
10	k8	0	1
10	l8	0	1
10	la	0	2
10	lc	0	3
10	le	0	2
10	lg	0	2
10	li	0	1
10	lk	0	2
10	lm	0	2
10	lo	0	2
10	lq	0	2
10	ls	0	2
10	lu	0	2
10	m2	0	1
10	m3	0	1
10	m4	0	1
10	m5	0	1
10	m6	0	1
10	m7	0	1
10	m8	0	1
10	o4	0	1
10	o5	0	1
10	o6	0	1
10	o7	0	1
10	q2	0	1
10	q3	0	1
10	q4	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
10	q5	0	1
10	q6	0	1
10	q7	0	1
10	q8	0	1
10	r8	0	1
10	s2	0	1
10	s3	0	1
10	s4	0	1
10	s5	0	2
10	s6	0	1
10	s7	0	1
10	s8	0	1
10	t8	0	1
10	u2	0	1
10	u3	0	1
10	u4	0	1
10	u5	0	1
10	u6	0	1
10	u7	0	1
10	u8	0	1
10	w2	0	1
10	w3	0	1
10	w4	0	1
10	w5	0	1
10	w6	0	1
10	w7	0	1
10	y2	0	1
10	y5	0	2
11	A8	0	3
11	B3	0	1
11	B9	0	3
11	D3	0	1
11	D4	0	1
11	D9	0	2
11	E8	0	1
11	F2	0	1
11	F9	0	3
11	G8	0	3
11	H9	0	1
11	I8	0	3
11	J9	0	1
11	K8	0	2

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Mol	Chain	#Chirality outliers	#Planarity outliers
11	L2	0	1
11	L3	0	1
11	L9	0	3
11	M8	0	3
11	N2	0	1
11	N9	0	3
11	O8	0	2
11	P2	0	1
11	P3	0	1
11	P9	0	1
11	Q8	0	1
11	R3	0	1
11	R9	0	3
11	T3	0	1
11	T9	0	2
11	V3	0	1
11	V9	0	2
11	X2	0	1
11	X3	0	1
11	Z2	0	1
11	an	0	3
11	ar	0	2
11	ax	0	1
11	az	0	1
11	b7	0	1
11	bL	0	1
11	bN	0	1
11	bP	0	1
11	bR	0	1
11	bT	0	1
11	cB	0	1
11	cE	0	1
11	cF	0	1
11	cH	0	1
11	cJ	0	1
11	cL	0	1
11	cM	0	1
11	cN	0	1
11	cO	0	1
11	cP	0	1
11	cQ	0	1
11	cR	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
11	cY	0	1
11	cp	0	1
11	cq	0	1
11	cz	0	1
11	dD	0	1
11	dF	0	1
11	dH	0	1
11	dK	0	1
11	dL	0	1
11	dR	0	1
11	dT	0	1
11	dY	0	1
11	dd	0	1
11	df	0	1
11	dh	0	1
11	di	0	1
11	dj	0	1
11	dl	0	1
11	dn	0	1
11	dp	0	1
11	dt	0	1
11	dv	0	1
11	eb	0	1
11	ec	0	1
11	ee	0	1
11	eg	0	1
11	ei	0	1
11	ep	0	1
11	fa	0	1
11	fc	0	1
11	ff	0	1
11	fi	0	1
11	fj	0	1
11	fm	0	1
11	fo	0	1
11	fq	0	1
11	fs	0	1
11	fu	0	1
11	fw	0	1
11	fy	0	1
11	gr	0	1
11	h2	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
11	iC	0	1
11	iD	0	1
11	j2	0	1
11	kS	0	1
11	kT	0	1
11	n2	0	1
11	n3	0	1
11	n9	0	3
11	p2	0	1
11	r2	0	1
11	r9	0	1
11	t2	0	1
11	v2	0	1
11	w8	0	3
11	x2	0	1
11	x9	0	1
11	z2	0	1
11	z3	0	1
11	z9	0	1
12	ey	0	1
12	ez	0	1
14	44	0	1
14	T8	0	2
14	Y9	0	2
14	Z5	0	1
14	aZ	0	1
14	bZ	0	2
14	c9	0	1
14	d3	0	1
15	W9	0	1
16	S8	0	1
16	X5	0	2
16	X9	0	2
16	aX	0	1
16	bX	0	3
17	k4	0	1
17	k5	0	1
18	c5	0	1
19	a8	0	1
20	dy	0	1
20	dz	0	1
21	fd	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
24	gy	0	1
24	gz	0	2
25	kb	0	1
All	All	0	493

The worst 5 of 635 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
12	Y5	302	GLU	CD-OE2	31.42	1.60	1.25
4	y1	103	PRO	N-CD	-29.12	1.07	1.47
4	N1	103	PRO	N-CD	-26.83	1.10	1.47
4	N1	20	PRO	N-CD	-23.31	1.15	1.47
18	bb	149	PRO	N-CD	-20.54	1.19	1.47

The worst 5 of 3857 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
10	bM	140	VAL	C-N-CD	-39.22	34.32	120.60
10	bU	140	VAL	C-N-CD	-31.64	50.98	120.60
10	dc	140	VAL	C-N-CD	-27.73	59.60	120.60
10	bK	140	VAL	C-N-CD	-25.87	63.69	120.60
11	jO	108	ARG	NE-CZ-NH1	25.70	133.15	120.30

There are no chirality outliers.

5 of 493 planarity outliers are listed below:

Mol	Chain	Res	Type	Group
5	M1	73	TYR	Peptide
5	O1	73	TYR	Peptide
6	Q1	150	ASN	Peptide
5	U1	73	TYR	Peptide
5	W1	73	TYR	Peptide

5.2 Too-close contacts (i)

Due to software issues we are unable to calculate clashes - this section is therefore empty.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A1	217/260 (84%)	204 (94%)	13 (6%)	0	100	100
1	B1	218/260 (84%)	202 (93%)	16 (7%)	0	100	100
2	C1	152/192 (79%)	139 (91%)	12 (8%)	1 (1%)	22	61
2	D1	151/192 (79%)	135 (89%)	13 (9%)	3 (2%)	7	39
3	E1	257/307 (84%)	244 (95%)	10 (4%)	3 (1%)	13	50
3	F1	257/307 (84%)	243 (95%)	11 (4%)	3 (1%)	13	50
4	G1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	I1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	K1	158/161 (98%)	154 (98%)	4 (2%)	0	100	100
4	N1	158/161 (98%)	154 (98%)	4 (2%)	0	100	100
4	P1	158/161 (98%)	153 (97%)	5 (3%)	0	100	100
4	R1	158/161 (98%)	153 (97%)	3 (2%)	2 (1%)	12	48
4	T1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	X1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	Z1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	b1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	d1	158/161 (98%)	154 (98%)	4 (2%)	0	100	100
4	f1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	i1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	k1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	o1	158/161 (98%)	152 (96%)	6 (4%)	0	100	100
4	q1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100
4	s1	158/161 (98%)	151 (96%)	6 (4%)	1 (1%)	25	64
4	u1	158/161 (98%)	154 (98%)	4 (2%)	0	100	100
4	w1	158/161 (98%)	155 (98%)	3 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
4	y1	158/161 (98%)	153 (97%)	5 (3%)	0	100 100
5	H1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	J1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	L1	159/161 (99%)	156 (98%)	3 (2%)	0	100 100
5	M1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	O1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	S1	159/161 (99%)	154 (97%)	4 (2%)	1 (1%)	25 64
5	U1	159/161 (99%)	156 (98%)	2 (1%)	1 (1%)	25 64
5	W1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	Y1	159/161 (99%)	156 (98%)	3 (2%)	0	100 100
5	a1	159/161 (99%)	156 (98%)	3 (2%)	0	100 100
5	c1	159/161 (99%)	154 (97%)	5 (3%)	0	100 100
5	e1	158/161 (98%)	154 (98%)	4 (2%)	0	100 100
5	h1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	j1	159/161 (99%)	154 (97%)	4 (2%)	1 (1%)	25 64
5	l1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	n1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	p1	159/161 (99%)	156 (98%)	3 (2%)	0	100 100
5	r1	159/161 (99%)	154 (97%)	5 (3%)	0	100 100
5	t1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	v1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	x1	159/161 (99%)	155 (98%)	4 (2%)	0	100 100
5	z1	159/161 (99%)	154 (97%)	5 (3%)	0	100 100
6	Q1	172/174 (99%)	164 (95%)	5 (3%)	3 (2%)	9 42
6	g1	172/174 (99%)	164 (95%)	5 (3%)	3 (2%)	9 42
7	V1	158/161 (98%)	156 (99%)	2 (1%)	0	100 100
7	m1	158/161 (98%)	156 (99%)	2 (1%)	0	100 100
8	a2	795/885 (90%)	746 (94%)	43 (5%)	6 (1%)	19 58
8	b2	795/885 (90%)	730 (92%)	56 (7%)	9 (1%)	14 52
9	c2	89/93 (96%)	79 (89%)	8 (9%)	2 (2%)	6 37
9	d2	89/93 (96%)	82 (92%)	6 (7%)	1 (1%)	14 52

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	A3	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25	64
10	A4	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25	64
10	A5	162/164 (99%)	146 (90%)	14 (9%)	2 (1%)	13	50
10	A6	162/164 (99%)	156 (96%)	2 (1%)	4 (2%)	5	34
10	A7	162/164 (99%)	153 (94%)	5 (3%)	4 (2%)	5	34
10	A9	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	B8	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	C3	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	C4	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	C5	162/164 (99%)	148 (91%)	13 (8%)	1 (1%)	25	64
10	C6	162/164 (99%)	148 (91%)	10 (6%)	4 (2%)	5	34
10	C7	162/164 (99%)	153 (94%)	5 (3%)	4 (2%)	5	34
10	C9	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	D8	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	E2	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	E3	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	E4	162/164 (99%)	146 (90%)	15 (9%)	1 (1%)	25	64
10	E5	162/164 (99%)	147 (91%)	14 (9%)	1 (1%)	25	64
10	E6	162/164 (99%)	151 (93%)	7 (4%)	4 (2%)	5	34
10	E7	162/164 (99%)	150 (93%)	8 (5%)	4 (2%)	5	34
10	E9	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	F8	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
10	G2	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	G3	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	G4	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	G5	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	G6	162/164 (99%)	154 (95%)	4 (2%)	4 (2%)	5	34
10	G7	161/164 (98%)	152 (94%)	5 (3%)	4 (2%)	5	34
10	G9	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
10	H8	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	I2	162/164 (99%)	152 (94%)	10 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	I3	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
10	I4	162/164 (99%)	147 (91%)	14 (9%)	1 (1%)	25	64
10	I5	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	I6	161/164 (98%)	153 (95%)	4 (2%)	4 (2%)	5	34
10	I7	162/164 (99%)	151 (93%)	7 (4%)	4 (2%)	5	34
10	I9	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	J8	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	K2	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	K3	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	K4	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	K5	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	K6	162/164 (99%)	153 (94%)	6 (4%)	3 (2%)	8	40
10	K7	162/164 (99%)	149 (92%)	9 (6%)	4 (2%)	5	34
10	K9	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
10	L8	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	M2	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
10	M3	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	M4	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	M5	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
10	M6	162/164 (99%)	156 (96%)	5 (3%)	1 (1%)	25	64
10	M7	162/164 (99%)	151 (93%)	7 (4%)	4 (2%)	5	34
10	M9	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	N8	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	O2	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	O3	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	O4	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	O5	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
10	O6	162/164 (99%)	150 (93%)	8 (5%)	4 (2%)	5	34
10	O7	162/164 (99%)	151 (93%)	8 (5%)	3 (2%)	8	40
10	O9	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	P8	162/164 (99%)	153 (94%)	9 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
10	Q2	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25 64
10	Q3	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25 64
10	Q4	162/164 (99%)	150 (93%)	12 (7%)	0	100 100
10	Q5	162/164 (99%)	150 (93%)	12 (7%)	0	100 100
10	Q6	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5 34
10	Q7	162/164 (99%)	151 (93%)	7 (4%)	4 (2%)	5 34
10	Q9	162/164 (99%)	153 (94%)	9 (6%)	0	100 100
10	S2	162/164 (99%)	152 (94%)	10 (6%)	0	100 100
10	S3	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25 64
10	S4	162/164 (99%)	150 (93%)	12 (7%)	0	100 100
10	S5	162/164 (99%)	150 (93%)	12 (7%)	0	100 100
10	S6	162/164 (99%)	152 (94%)	7 (4%)	3 (2%)	8 40
10	S7	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5 34
10	S9	162/164 (99%)	155 (96%)	7 (4%)	0	100 100
10	U2	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25 64
10	U3	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25 64
10	U4	162/164 (99%)	150 (93%)	12 (7%)	0	100 100
10	U5	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25 64
10	U6	162/164 (99%)	151 (93%)	7 (4%)	4 (2%)	5 34
10	U7	162/164 (99%)	153 (94%)	5 (3%)	4 (2%)	5 34
10	U9	162/164 (99%)	153 (94%)	9 (6%)	0	100 100
10	W2	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25 64
10	W3	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25 64
10	W4	162/164 (99%)	150 (93%)	12 (7%)	0	100 100
10	W6	162/164 (99%)	156 (96%)	2 (1%)	4 (2%)	5 34
10	W7	162/164 (99%)	154 (95%)	4 (2%)	4 (2%)	5 34
10	Y2	162/164 (99%)	151 (93%)	11 (7%)	0	100 100
10	Y3	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25 64
10	Y4	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25 64
10	Y6	162/164 (99%)	152 (94%)	7 (4%)	3 (2%)	8 40
10	Y7	162/164 (99%)	153 (94%)	5 (3%)	4 (2%)	5 34

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	aA	162/164 (99%)	151 (93%)	9 (6%)	2 (1%)	13	50
10	aC	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	aE	162/164 (99%)	152 (94%)	8 (5%)	2 (1%)	13	50
10	aG	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	aI	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	aK	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	aM	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	aO	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	aQ	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	aS	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25	64
10	aU	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25	64
10	am	162/164 (99%)	156 (96%)	5 (3%)	1 (1%)	25	64
10	ao	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	aq	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	as	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
10	au	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	aw	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	ay	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
10	bA	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	bC	162/164 (99%)	152 (94%)	8 (5%)	2 (1%)	13	50
10	bE	162/164 (99%)	151 (93%)	9 (6%)	2 (1%)	13	50
10	bG	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	bI	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	bK	162/164 (99%)	151 (93%)	9 (6%)	2 (1%)	13	50
10	bM	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	bO	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	bQ	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	bS	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25	64
10	bU	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	bm	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	bt	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
10	bu	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25 64
10	bv	162/164 (99%)	157 (97%)	5 (3%)	0	100 100
10	bw	162/164 (99%)	154 (95%)	6 (4%)	2 (1%)	13 50
10	bx	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25 64
10	by	162/164 (99%)	156 (96%)	5 (3%)	1 (1%)	25 64
10	cA	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25 64
10	cC	162/164 (99%)	155 (96%)	5 (3%)	2 (1%)	13 50
10	cD	162/164 (99%)	152 (94%)	7 (4%)	3 (2%)	8 40
10	cG	162/164 (99%)	155 (96%)	7 (4%)	0	100 100
10	cI	162/164 (99%)	152 (94%)	10 (6%)	0	100 100
10	cK	162/164 (99%)	152 (94%)	10 (6%)	0	100 100
10	cS	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25 64
10	cT	162/164 (99%)	154 (95%)	8 (5%)	0	100 100
10	cU	162/164 (99%)	157 (97%)	2 (1%)	3 (2%)	8 40
10	cV	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25 64
10	cW	162/164 (99%)	153 (94%)	7 (4%)	2 (1%)	13 50
10	cX	162/164 (99%)	154 (95%)	8 (5%)	0	100 100
10	cZ	162/164 (99%)	153 (94%)	7 (4%)	2 (1%)	13 50
10	cm	162/164 (99%)	153 (94%)	7 (4%)	2 (1%)	13 50
10	ct	162/164 (99%)	153 (94%)	7 (4%)	2 (1%)	13 50
10	cu	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25 64
10	cv	162/164 (99%)	156 (96%)	6 (4%)	0	100 100
10	cw	162/164 (99%)	151 (93%)	9 (6%)	2 (1%)	13 50
10	cx	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25 64
10	cy	162/164 (99%)	156 (96%)	5 (3%)	1 (1%)	25 64
10	dA	162/164 (99%)	150 (93%)	12 (7%)	0	100 100
10	dC	162/164 (99%)	148 (91%)	14 (9%)	0	100 100
10	dE	162/164 (99%)	149 (92%)	13 (8%)	0	100 100
10	dG	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25 64
10	dI	162/164 (99%)	149 (92%)	13 (8%)	0	100 100
10	dJ	162/164 (99%)	149 (92%)	13 (8%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	dM	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
10	dO	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	dQ	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
10	dS	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
10	dU	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	dW	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
10	dZ	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
10	da	162/164 (99%)	152 (94%)	8 (5%)	2 (1%)	13	50
10	db	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	dc	162/164 (99%)	153 (94%)	7 (4%)	2 (1%)	13	50
10	de	162/164 (99%)	152 (94%)	8 (5%)	2 (1%)	13	50
10	dg	162/164 (99%)	156 (96%)	5 (3%)	1 (1%)	25	64
10	dk	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	dm	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	do	162/164 (99%)	154 (95%)	6 (4%)	2 (1%)	13	50
10	dq	162/164 (99%)	153 (94%)	7 (4%)	2 (1%)	13	50
10	ds	162/164 (99%)	156 (96%)	4 (2%)	2 (1%)	13	50
10	du	162/164 (99%)	159 (98%)	2 (1%)	1 (1%)	25	64
10	e2	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	e3	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	eA	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	eC	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	eE	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25	64
10	eG	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	eI	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	eK	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
10	eM	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	eO	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
10	eQ	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	eS	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	eU	162/164 (99%)	153 (94%)	7 (4%)	2 (1%)	13	50

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	eW	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	ea	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
10	ed	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
10	ef	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
10	eh	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
10	ej	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
10	ek	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
10	em	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
10	eo	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
10	eq	162/164 (99%)	148 (91%)	14 (9%)	0	100	100
10	es	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
10	eu	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
10	f6	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5	34
10	f7	162/164 (99%)	152 (94%)	8 (5%)	2 (1%)	13	50
10	fb	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	fe	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	fg	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	fh	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	fk	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	fl	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	fn	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	fp	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	fr	162/164 (99%)	150 (93%)	9 (6%)	3 (2%)	8	40
10	ft	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	fv	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
10	fx	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	g2	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	g3	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	g6	162/164 (99%)	152 (94%)	5 (3%)	5 (3%)	4	30
10	g7	162/164 (99%)	153 (94%)	8 (5%)	1 (1%)	25	64
10	gb	162/164 (99%)	158 (98%)	4 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	gc	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	gf	162/164 (99%)	156 (96%)	3 (2%)	3 (2%)	8	40
10	gh	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	gj	162/164 (99%)	156 (96%)	4 (2%)	2 (1%)	13	50
10	gl	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	gm	162/164 (99%)	157 (97%)	4 (2%)	1 (1%)	25	64
10	go	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	gq	162/164 (99%)	156 (96%)	5 (3%)	1 (1%)	25	64
10	gs	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	gu	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
10	gw	162/164 (99%)	153 (94%)	7 (4%)	2 (1%)	13	50
10	h6	162/164 (99%)	154 (95%)	3 (2%)	5 (3%)	4	30
10	h7	162/164 (99%)	149 (92%)	9 (6%)	4 (2%)	5	34
10	hA	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
10	hC	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	hE	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
10	hF	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	hI	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	hK	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
10	hM	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	hO	162/164 (99%)	152 (94%)	10 (6%)	0	100	100
10	hQ	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	hS	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	hU	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	hW	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	i2	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
10	i3	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25	64
10	i6	162/164 (99%)	157 (97%)	4 (2%)	1 (1%)	25	64
10	i7	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5	34
10	i8	162/164 (99%)	154 (95%)	4 (2%)	4 (2%)	5	34
10	iA	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	iB	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	j6	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5	34
10	j7	162/164 (99%)	149 (92%)	9 (6%)	4 (2%)	5	34
10	j8	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
10	k2	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	k3	162/164 (99%)	148 (91%)	13 (8%)	1 (1%)	25	64
10	k6	162/164 (99%)	151 (93%)	7 (4%)	4 (2%)	5	34
10	k7	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5	34
10	k8	162/164 (99%)	153 (94%)	6 (4%)	3 (2%)	8	40
10	l8	162/164 (99%)	153 (94%)	5 (3%)	4 (2%)	5	34
10	la	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	lc	162/164 (99%)	147 (91%)	15 (9%)	0	100	100
10	le	162/164 (99%)	148 (91%)	13 (8%)	1 (1%)	25	64
10	lg	162/164 (99%)	147 (91%)	14 (9%)	1 (1%)	25	64
10	li	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	lk	162/164 (99%)	145 (90%)	16 (10%)	1 (1%)	25	64
10	lm	162/164 (99%)	150 (93%)	12 (7%)	0	100	100
10	lo	162/164 (99%)	147 (91%)	14 (9%)	1 (1%)	25	64
10	lq	162/164 (99%)	147 (91%)	14 (9%)	1 (1%)	25	64
10	ls	162/164 (99%)	146 (90%)	15 (9%)	1 (1%)	25	64
10	lu	162/164 (99%)	147 (91%)	14 (9%)	1 (1%)	25	64
10	lw	162/164 (99%)	151 (93%)	9 (6%)	2 (1%)	13	50
10	m2	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	m3	162/164 (99%)	148 (91%)	13 (8%)	1 (1%)	25	64
10	m4	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	m5	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	m6	162/164 (99%)	151 (93%)	7 (4%)	4 (2%)	5	34
10	m7	162/164 (99%)	150 (93%)	8 (5%)	4 (2%)	5	34
10	m8	162/164 (99%)	154 (95%)	4 (2%)	4 (2%)	5	34
10	m9	162/164 (99%)	158 (98%)	3 (2%)	1 (1%)	25	64
10	o2	162/164 (99%)	150 (93%)	12 (7%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	o3	162/164 (99%)	153 (94%)	9 (6%)	0	100	100
10	o4	162/164 (99%)	148 (91%)	13 (8%)	1 (1%)	25	64
10	o5	162/164 (99%)	148 (91%)	13 (8%)	1 (1%)	25	64
10	o6	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5	34
10	o7	162/164 (99%)	153 (94%)	5 (3%)	4 (2%)	5	34
10	o9	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	q2	162/164 (99%)	149 (92%)	13 (8%)	0	100	100
10	q3	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	q4	162/164 (99%)	148 (91%)	13 (8%)	1 (1%)	25	64
10	q5	162/164 (99%)	148 (91%)	13 (8%)	1 (1%)	25	64
10	q6	162/164 (99%)	154 (95%)	5 (3%)	3 (2%)	8	40
10	q7	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5	34
10	q8	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5	34
10	q9	162/164 (99%)	157 (97%)	5 (3%)	0	100	100
10	r8	162/164 (99%)	153 (94%)	5 (3%)	4 (2%)	5	34
10	s2	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	s3	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	s4	162/164 (99%)	148 (91%)	12 (7%)	2 (1%)	13	50
10	s5	162/164 (99%)	148 (91%)	12 (7%)	2 (1%)	13	50
10	s6	162/164 (99%)	151 (93%)	7 (4%)	4 (2%)	5	34
10	s7	162/164 (99%)	154 (95%)	4 (2%)	4 (2%)	5	34
10	s8	162/164 (99%)	153 (94%)	6 (4%)	3 (2%)	8	40
10	s9	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
10	t8	162/164 (99%)	153 (94%)	5 (3%)	4 (2%)	5	34
10	u2	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	u3	162/164 (99%)	150 (93%)	11 (7%)	1 (1%)	25	64
10	u4	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	u5	162/164 (99%)	150 (93%)	10 (6%)	2 (1%)	13	50
10	u6	162/164 (99%)	152 (94%)	6 (4%)	4 (2%)	5	34
10	u7	162/164 (99%)	153 (94%)	6 (4%)	3 (2%)	8	40
10	u8	162/164 (99%)	154 (95%)	5 (3%)	3 (2%)	8	40

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	u9	162/164 (99%)	154 (95%)	7 (4%)	1 (1%)	25	64
10	v8	162/164 (99%)	155 (96%)	6 (4%)	1 (1%)	25	64
10	w2	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	w3	162/164 (99%)	152 (94%)	9 (6%)	1 (1%)	25	64
10	w4	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	w5	162/164 (99%)	151 (93%)	10 (6%)	1 (1%)	25	64
10	w6	162/164 (99%)	156 (96%)	5 (3%)	1 (1%)	25	64
10	w7	162/164 (99%)	153 (94%)	6 (4%)	3 (2%)	8	40
10	w9	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	x8	162/164 (99%)	156 (96%)	6 (4%)	0	100	100
10	y2	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	y3	162/164 (99%)	151 (93%)	11 (7%)	0	100	100
10	y4	162/164 (99%)	152 (94%)	8 (5%)	2 (1%)	13	50
10	y5	162/164 (99%)	149 (92%)	12 (7%)	1 (1%)	25	64
10	y9	162/164 (99%)	155 (96%)	7 (4%)	0	100	100
10	z8	162/164 (99%)	154 (95%)	8 (5%)	0	100	100
11	A8	175/177 (99%)	166 (95%)	9 (5%)	0	100	100
11	B3	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	B4	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	B5	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	B6	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	B7	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	B9	175/177 (99%)	165 (94%)	9 (5%)	1 (1%)	25	64
11	C8	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	D3	175/177 (99%)	172 (98%)	2 (1%)	1 (1%)	25	64
11	D4	175/177 (99%)	172 (98%)	2 (1%)	1 (1%)	25	64
11	D5	175/177 (99%)	172 (98%)	2 (1%)	1 (1%)	25	64
11	D6	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	D7	175/177 (99%)	165 (94%)	9 (5%)	1 (1%)	25	64
11	D9	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25	64
11	E8	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25	64

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	F2	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	F3	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	F4	175/177 (99%)	174 (99%)	1 (1%)	0	100	100
11	F5	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	F6	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	F7	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	F9	175/177 (99%)	166 (95%)	9 (5%)	0	100	100
11	G8	175/177 (99%)	165 (94%)	10 (6%)	0	100	100
11	H2	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	H3	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	H4	175/177 (99%)	172 (98%)	2 (1%)	1 (1%)	25	64
11	H5	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	H6	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	H7	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	H9	175/177 (99%)	165 (94%)	9 (5%)	1 (1%)	25	64
11	I8	175/177 (99%)	165 (94%)	10 (6%)	0	100	100
11	J2	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	J3	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	J4	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	J5	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	J6	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	J7	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	J9	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25	64
11	K8	175/177 (99%)	165 (94%)	10 (6%)	0	100	100
11	L2	175/177 (99%)	171 (98%)	2 (1%)	2 (1%)	14	52
11	L3	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	L4	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	L5	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	L6	175/177 (99%)	167 (95%)	6 (3%)	2 (1%)	14	52
11	L7	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	L9	175/177 (99%)	165 (94%)	10 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	M8	175/177 (99%)	166 (95%)	9 (5%)	0	100	100
11	N2	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	N3	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	N4	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	N5	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	N6	175/177 (99%)	165 (94%)	10 (6%)	0	100	100
11	N7	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	N9	175/177 (99%)	165 (94%)	10 (6%)	0	100	100
11	O8	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	P2	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	P3	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	P4	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	P5	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	P6	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	P7	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25	64
11	P9	175/177 (99%)	165 (94%)	9 (5%)	1 (1%)	25	64
11	Q8	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	R2	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	R3	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	R4	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	R5	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	R6	175/177 (99%)	169 (97%)	4 (2%)	2 (1%)	14	52
11	R7	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	R9	175/177 (99%)	166 (95%)	9 (5%)	0	100	100
11	T2	175/177 (99%)	171 (98%)	2 (1%)	2 (1%)	14	52
11	T3	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	T4	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	T5	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	T6	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	T7	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	T9	175/177 (99%)	167 (95%)	8 (5%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	V2	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	V3	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	V4	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	V5	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	V6	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	V7	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	V9	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	X2	175/177 (99%)	171 (98%)	2 (1%)	2 (1%)	14	52
11	X3	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	X4	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	X6	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25	64
11	X7	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	Z2	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	Z3	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	Z4	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	Z6	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	Z7	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	a6	175/177 (99%)	166 (95%)	9 (5%)	0	100	100
11	a7	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	aB	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	aD	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	aF	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	aH	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	aJ	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	aL	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	aN	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	aP	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	aR	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	aT	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	aV	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	an	175/177 (99%)	166 (95%)	9 (5%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
11	ap	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25 64
11	ar	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25 64
11	at	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25 64
11	av	175/177 (99%)	169 (97%)	3 (2%)	3 (2%)	9 42
11	ax	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25 64
11	az	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	b6	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25 64
11	b7	175/177 (99%)	168 (96%)	7 (4%)	0	100 100
11	bB	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25 64
11	bD	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	bF	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	bH	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25 64
11	bJ	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25 64
11	bL	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	bN	175/177 (99%)	168 (96%)	7 (4%)	0	100 100
11	bP	175/177 (99%)	168 (96%)	7 (4%)	0	100 100
11	bR	175/177 (99%)	167 (95%)	8 (5%)	0	100 100
11	bT	175/177 (99%)	168 (96%)	7 (4%)	0	100 100
11	bV	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	bn	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25 64
11	bo	175/177 (99%)	167 (95%)	8 (5%)	0	100 100
11	bp	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	bq	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	br	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25 64
11	bs	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	bz	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	c6	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	c7	175/177 (99%)	165 (94%)	8 (5%)	2 (1%)	14 52
11	cB	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	cE	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	cF	175/177 (99%)	168 (96%)	7 (4%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	cH	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	cJ	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	cL	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	cM	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	cN	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	cO	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	cP	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	cQ	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	cR	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	cY	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	cn	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25	64
11	co	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	cp	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	cq	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	cr	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	cs	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	cz	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	d6	175/177 (99%)	166 (95%)	9 (5%)	0	100	100
11	d7	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	dB	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	dD	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	dF	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	dH	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	dK	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	dL	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	dN	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	dP	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25	64
11	dR	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	dT	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	dV	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	dX	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	dY	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	dd	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	df	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	dh	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	di	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	dj	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	dl	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	dn	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	dp	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	dr	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	dt	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	dv	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	e6	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	e7	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	eB	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	eD	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	eF	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	eH	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	eJ	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	eL	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	eN	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	eP	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	eR	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	eT	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	eV	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	eX	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	eb	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	ec	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	ee	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	eg	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	ei	175/177 (99%)	170 (97%)	5 (3%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
11	el	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25 64
11	en	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25 64
11	ep	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	er	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25 64
11	et	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	ev	175/177 (99%)	169 (97%)	4 (2%)	2 (1%)	14 52
11	f2	175/177 (99%)	173 (99%)	1 (1%)	1 (1%)	25 64
11	f3	175/177 (99%)	173 (99%)	2 (1%)	0	100 100
11	f8	175/177 (99%)	167 (95%)	8 (5%)	0	100 100
11	fa	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	fc	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	ff	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	fi	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	fj	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	fm	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	fo	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	fq	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	fs	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	fu	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	fw	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	fy	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	g8	175/177 (99%)	169 (97%)	6 (3%)	0	100 100
11	ga	175/177 (99%)	172 (98%)	2 (1%)	1 (1%)	25 64
11	gd	175/177 (99%)	172 (98%)	3 (2%)	0	100 100
11	ge	175/177 (99%)	171 (98%)	4 (2%)	0	100 100
11	gg	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25 64
11	gi	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	gk	175/177 (99%)	170 (97%)	5 (3%)	0	100 100
11	gn	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25 64
11	gp	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25 64
11	gr	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25 64

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	gt	175/177 (99%)	171 (98%)	4 (2%)	0	100	100
11	gv	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	gx	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	h2	175/177 (99%)	170 (97%)	3 (2%)	2 (1%)	14	52
11	h3	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	h8	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25	64
11	hB	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	hD	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	hG	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	hH	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	hJ	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	hL	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	hN	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	hP	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	hR	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	hT	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	hV	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	hX	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	iC	175/177 (99%)	155 (89%)	18 (10%)	2 (1%)	14	52
11	iD	175/177 (99%)	156 (89%)	18 (10%)	1 (1%)	25	64
11	iE	144/177 (81%)	137 (95%)	5 (4%)	2 (1%)	11	46
11	iF	144/177 (81%)	127 (88%)	15 (10%)	2 (1%)	11	46
11	iG	146/177 (82%)	136 (93%)	9 (6%)	1 (1%)	22	61
11	iH	146/177 (82%)	136 (93%)	9 (6%)	1 (1%)	22	61
11	j2	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	j3	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	jI	142/177 (80%)	134 (94%)	7 (5%)	1 (1%)	22	61
11	jJ	142/177 (80%)	134 (94%)	7 (5%)	1 (1%)	22	61
11	jK	143/177 (81%)	132 (92%)	10 (7%)	1 (1%)	22	61
11	jL	143/177 (81%)	133 (93%)	10 (7%)	0	100	100
11	jM	143/177 (81%)	132 (92%)	11 (8%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	jN	143/177 (81%)	132 (92%)	11 (8%)	0	100	100
11	jO	143/177 (81%)	132 (92%)	10 (7%)	1 (1%)	22	61
11	jP	143/177 (81%)	133 (93%)	10 (7%)	0	100	100
11	kQ	142/177 (80%)	133 (94%)	9 (6%)	0	100	100
11	kR	142/177 (80%)	133 (94%)	9 (6%)	0	100	100
11	kS	145/177 (82%)	134 (92%)	8 (6%)	3 (2%)	7	38
11	kT	144/177 (81%)	134 (93%)	9 (6%)	1 (1%)	22	61
11	kU	142/177 (80%)	132 (93%)	10 (7%)	0	100	100
11	kV	142/177 (80%)	132 (93%)	10 (7%)	0	100	100
11	kW	145/177 (82%)	134 (92%)	10 (7%)	1 (1%)	22	61
11	kX	145/177 (82%)	134 (92%)	10 (7%)	1 (1%)	22	61
11	l2	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	l3	175/177 (99%)	173 (99%)	2 (1%)	0	100	100
11	l6	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	l7	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	lb	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	ld	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	lf	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	lh	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	lj	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	ll	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	ln	175/177 (99%)	170 (97%)	5 (3%)	0	100	100
11	lp	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	lr	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	lt	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	lv	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	lx	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	n2	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	n3	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	n4	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	n5	175/177 (99%)	172 (98%)	3 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
11	n6	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25 64
11	n7	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25 64
11	n8	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25 64
11	n9	175/177 (99%)	166 (95%)	9 (5%)	0	100 100
11	o8	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25 64
11	p2	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25 64
11	p3	175/177 (99%)	173 (99%)	2 (1%)	0	100 100
11	p4	175/177 (99%)	172 (98%)	3 (2%)	0	100 100
11	p5	175/177 (99%)	172 (98%)	3 (2%)	0	100 100
11	p6	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25 64
11	p7	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25 64
11	p8	175/177 (99%)	167 (95%)	8 (5%)	0	100 100
11	p9	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25 64
11	r2	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25 64
11	r3	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25 64
11	r4	175/177 (99%)	172 (98%)	2 (1%)	1 (1%)	25 64
11	r5	175/177 (99%)	172 (98%)	3 (2%)	0	100 100
11	r6	175/177 (99%)	168 (96%)	4 (2%)	3 (2%)	9 42
11	r7	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25 64
11	r9	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25 64
11	t2	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25 64
11	t3	175/177 (99%)	172 (98%)	3 (2%)	0	100 100
11	t4	175/177 (99%)	167 (95%)	7 (4%)	1 (1%)	25 64
11	t5	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25 64
11	t6	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25 64
11	t7	175/177 (99%)	166 (95%)	9 (5%)	0	100 100
11	t9	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25 64
11	v2	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25 64
11	v3	175/177 (99%)	173 (99%)	2 (1%)	0	100 100
11	v4	175/177 (99%)	173 (99%)	2 (1%)	0	100 100
11	v5	175/177 (99%)	172 (98%)	3 (2%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	v6	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	v7	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	v9	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	w8	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	x2	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	x3	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	x4	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	x5	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	x6	175/177 (99%)	167 (95%)	8 (5%)	0	100	100
11	x7	175/177 (99%)	165 (94%)	10 (6%)	0	100	100
11	x9	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	y6	175/177 (99%)	168 (96%)	6 (3%)	1 (1%)	25	64
11	y7	175/177 (99%)	166 (95%)	8 (5%)	1 (1%)	25	64
11	y8	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
11	z2	175/177 (99%)	169 (97%)	5 (3%)	1 (1%)	25	64
11	z3	175/177 (99%)	171 (98%)	3 (2%)	1 (1%)	25	64
11	z4	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	z5	175/177 (99%)	172 (98%)	3 (2%)	0	100	100
11	z6	175/177 (99%)	169 (97%)	6 (3%)	0	100	100
11	z7	175/177 (99%)	168 (96%)	7 (4%)	0	100	100
11	z9	175/177 (99%)	170 (97%)	4 (2%)	1 (1%)	25	64
12	34	275/318 (86%)	257 (94%)	14 (5%)	4 (2%)	10	45
12	A2	275/318 (86%)	262 (95%)	10 (4%)	3 (1%)	14	52
12	U8	275/318 (86%)	257 (94%)	15 (6%)	3 (1%)	14	52
12	Y5	275/318 (86%)	259 (94%)	11 (4%)	5 (2%)	8	41
12	Z9	275/318 (86%)	257 (94%)	14 (5%)	4 (2%)	10	45
12	a3	275/318 (86%)	260 (94%)	12 (4%)	3 (1%)	14	52
12	aY	275/318 (86%)	254 (92%)	19 (7%)	2 (1%)	22	61
12	b8	275/318 (86%)	255 (93%)	15 (6%)	5 (2%)	8	41
12	b9	275/318 (86%)	250 (91%)	19 (7%)	6 (2%)	6	37
12	bY	275/318 (86%)	253 (92%)	17 (6%)	5 (2%)	8	41

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
12	dw	275/318 (86%)	252 (92%)	20 (7%)	3 (1%)	14 52
12	dx	275/318 (86%)	259 (94%)	14 (5%)	2 (1%)	22 61
12	ey	275/318 (86%)	262 (95%)	11 (4%)	2 (1%)	22 61
12	ez	274/318 (86%)	258 (94%)	15 (6%)	1 (0%)	34 72
13	B2	372/477 (78%)	351 (94%)	18 (5%)	3 (1%)	19 58
13	b3	372/477 (78%)	351 (94%)	17 (5%)	4 (1%)	14 52
14	44	243/285 (85%)	230 (95%)	10 (4%)	3 (1%)	13 50
14	C2	243/285 (85%)	236 (97%)	7 (3%)	0	100 100
14	D2	237/285 (83%)	226 (95%)	11 (5%)	0	100 100
14	T8	243/285 (85%)	227 (93%)	16 (7%)	0	100 100
14	Y9	243/285 (85%)	227 (93%)	16 (7%)	0	100 100
14	Z5	243/285 (85%)	228 (94%)	12 (5%)	3 (1%)	13 50
14	aZ	243/285 (85%)	231 (95%)	12 (5%)	0	100 100
14	bZ	243/285 (85%)	230 (95%)	13 (5%)	0	100 100
14	c3	243/285 (85%)	235 (97%)	8 (3%)	0	100 100
14	c8	243/285 (85%)	232 (96%)	10 (4%)	1 (0%)	34 72
14	c9	243/285 (85%)	232 (96%)	7 (3%)	4 (2%)	9 43
14	d3	237/285 (83%)	225 (95%)	12 (5%)	0	100 100
14	d8	237/285 (83%)	224 (94%)	10 (4%)	3 (1%)	12 48
14	d9	237/285 (83%)	226 (95%)	9 (4%)	2 (1%)	19 58
14	e8	237/285 (83%)	222 (94%)	13 (6%)	2 (1%)	19 58
14	e9	237/285 (83%)	219 (92%)	17 (7%)	1 (0%)	34 72
15	14	225/232 (97%)	202 (90%)	18 (8%)	5 (2%)	6 37
15	R8	224/232 (97%)	204 (91%)	17 (8%)	3 (1%)	12 48
15	W5	225/232 (97%)	199 (88%)	22 (10%)	4 (2%)	8 41
15	W9	224/232 (97%)	203 (91%)	17 (8%)	4 (2%)	8 41
15	aW	226/232 (97%)	203 (90%)	16 (7%)	7 (3%)	4 30
15	bW	226/232 (97%)	202 (89%)	17 (8%)	7 (3%)	4 30
16	24	329/371 (89%)	307 (93%)	17 (5%)	5 (2%)	10 45
16	S8	329/371 (89%)	296 (90%)	29 (9%)	4 (1%)	13 50
16	X5	329/371 (89%)	304 (92%)	18 (6%)	7 (2%)	7 38

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
16	X9	329/371 (89%)	296 (90%)	29 (9%)	4 (1%)	13 50
16	aX	329/371 (89%)	296 (90%)	25 (8%)	8 (2%)	6 35
16	bX	329/371 (89%)	301 (92%)	22 (7%)	6 (2%)	8 41
17	V8	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	X8	160/162 (99%)	159 (99%)	1 (1%)	0	100 100
17	Z8	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	a4	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	a5	160/162 (99%)	155 (97%)	5 (3%)	0	100 100
17	aa	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	ac	160/162 (99%)	159 (99%)	1 (1%)	0	100 100
17	ae	161/162 (99%)	158 (98%)	3 (2%)	0	100 100
17	ag	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	ai	160/162 (99%)	159 (99%)	1 (1%)	0	100 100
17	ak	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	b4	160/162 (99%)	157 (98%)	3 (2%)	0	100 100
17	b5	160/162 (99%)	157 (98%)	3 (2%)	0	100 100
17	ba	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	bc	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	be	161/162 (99%)	158 (98%)	3 (2%)	0	100 100
17	bg	160/162 (99%)	154 (96%)	6 (4%)	0	100 100
17	bi	160/162 (99%)	157 (98%)	3 (2%)	0	100 100
17	bk	160/162 (99%)	157 (98%)	3 (2%)	0	100 100
17	ca	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	cc	160/162 (99%)	155 (97%)	5 (3%)	0	100 100
17	ce	161/162 (99%)	156 (97%)	5 (3%)	0	100 100
17	cg	160/162 (99%)	155 (97%)	5 (3%)	0	100 100
17	ci	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	ck	160/162 (99%)	156 (98%)	4 (2%)	0	100 100
17	d4	160/162 (99%)	155 (97%)	5 (3%)	0	100 100
17	d5	160/162 (99%)	155 (97%)	5 (3%)	0	100 100
17	f4	160/162 (99%)	157 (98%)	3 (2%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
17	f5	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
17	g9	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
17	i4	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
17	i5	160/162 (99%)	157 (98%)	3 (2%)	0	100	100
17	i9	160/162 (99%)	159 (99%)	1 (1%)	0	100	100
17	k4	160/162 (99%)	155 (97%)	4 (2%)	1 (1%)	25	64
17	k5	160/162 (99%)	155 (97%)	5 (3%)	0	100	100
17	k9	160/162 (99%)	156 (98%)	4 (2%)	0	100	100
18	W8	170/172 (99%)	166 (98%)	4 (2%)	0	100	100
18	Y8	170/172 (99%)	165 (97%)	4 (2%)	1 (1%)	25	64
18	ab	170/172 (99%)	165 (97%)	5 (3%)	0	100	100
18	ad	170/172 (99%)	164 (96%)	5 (3%)	1 (1%)	25	64
18	af	170/172 (99%)	166 (98%)	4 (2%)	0	100	100
18	ah	170/172 (99%)	167 (98%)	3 (2%)	0	100	100
18	aj	170/172 (99%)	165 (97%)	5 (3%)	0	100	100
18	al	170/172 (99%)	165 (97%)	4 (2%)	1 (1%)	25	64
18	bb	170/172 (99%)	164 (96%)	4 (2%)	2 (1%)	13	50
18	bd	170/172 (99%)	163 (96%)	6 (4%)	1 (1%)	25	64
18	bf	170/172 (99%)	163 (96%)	6 (4%)	1 (1%)	25	64
18	bh	170/172 (99%)	164 (96%)	6 (4%)	0	100	100
18	bj	171/172 (99%)	165 (96%)	5 (3%)	1 (1%)	25	64
18	bl	170/172 (99%)	164 (96%)	5 (3%)	1 (1%)	25	64
18	c4	170/172 (99%)	164 (96%)	6 (4%)	0	100	100
18	c5	170/172 (99%)	164 (96%)	6 (4%)	0	100	100
18	cb	170/172 (99%)	164 (96%)	6 (4%)	0	100	100
18	cd	170/172 (99%)	164 (96%)	5 (3%)	1 (1%)	25	64
18	cf	170/172 (99%)	163 (96%)	6 (4%)	1 (1%)	25	64
18	ch	170/172 (99%)	163 (96%)	6 (4%)	1 (1%)	25	64
18	cj	171/172 (99%)	165 (96%)	5 (3%)	1 (1%)	25	64
18	cl	170/172 (99%)	165 (97%)	5 (3%)	0	100	100
18	e4	170/172 (99%)	166 (98%)	3 (2%)	1 (1%)	25	64

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
18	e5	170/172 (99%)	168 (99%)	1 (1%)	1 (1%)	25 64
18	f9	170/172 (99%)	166 (98%)	4 (2%)	0	100 100
18	g4	170/172 (99%)	163 (96%)	7 (4%)	0	100 100
18	g5	170/172 (99%)	162 (95%)	8 (5%)	0	100 100
18	h4	170/172 (99%)	165 (97%)	4 (2%)	1 (1%)	25 64
18	h5	170/172 (99%)	164 (96%)	6 (4%)	0	100 100
18	h9	170/172 (99%)	167 (98%)	3 (2%)	0	100 100
18	j4	171/172 (99%)	166 (97%)	5 (3%)	0	100 100
18	j5	171/172 (99%)	166 (97%)	5 (3%)	0	100 100
18	j9	170/172 (99%)	168 (99%)	2 (1%)	0	100 100
18	l4	170/172 (99%)	163 (96%)	7 (4%)	0	100 100
18	l5	170/172 (99%)	163 (96%)	7 (4%)	0	100 100
18	l9	170/172 (99%)	165 (97%)	4 (2%)	1 (1%)	25 64
19	a8	360/514 (70%)	326 (91%)	29 (8%)	5 (1%)	11 46
19	a9	360/514 (70%)	329 (91%)	26 (7%)	5 (1%)	11 46
20	dy	301/352 (86%)	279 (93%)	21 (7%)	1 (0%)	41 75
20	dz	301/352 (86%)	278 (92%)	22 (7%)	1 (0%)	41 75
21	ew	231/276 (84%)	210 (91%)	20 (9%)	1 (0%)	34 72
21	ex	231/276 (84%)	212 (92%)	19 (8%)	0	100 100
21	fd	194/276 (70%)	177 (91%)	15 (8%)	2 (1%)	15 54
21	fz	194/276 (70%)	177 (91%)	15 (8%)	2 (1%)	15 54
22	eY	307/352 (87%)	279 (91%)	26 (8%)	2 (1%)	22 61
22	eZ	307/352 (87%)	276 (90%)	27 (9%)	4 (1%)	12 48
23	hY	227/350 (65%)	218 (96%)	8 (4%)	1 (0%)	34 72
23	hZ	227/350 (65%)	217 (96%)	9 (4%)	1 (0%)	34 72
23	ly	249/350 (71%)	237 (95%)	12 (5%)	0	100 100
23	lz	249/350 (71%)	236 (95%)	11 (4%)	2 (1%)	19 58
24	gy	258/297 (87%)	244 (95%)	14 (5%)	0	100 100
24	gz	258/297 (87%)	238 (92%)	18 (7%)	2 (1%)	19 58
25	ka	271/362 (75%)	240 (89%)	21 (8%)	10 (4%)	3 26
25	kb	271/362 (75%)	240 (89%)	26 (10%)	5 (2%)	8 41

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
All	All	151518/157478 (96%)	144159 (95%)	6533 (4%)	826 (0%)	32 68

5 of 826 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	D1	41	LEU
2	D1	42	PRO
2	D1	44	PRO
6	Q1	151	ILE
4	R1	9	VAL

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A1	184/218 (84%)	184 (100%)	0	100 100
1	B1	184/218 (84%)	184 (100%)	0	100 100
2	C1	124/154 (80%)	123 (99%)	1 (1%)	81 91
2	D1	123/154 (80%)	122 (99%)	1 (1%)	81 91
3	E1	214/249 (86%)	212 (99%)	2 (1%)	78 90
3	F1	214/249 (86%)	211 (99%)	3 (1%)	67 85
4	G1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	I1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	K1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	N1	132/133 (99%)	131 (99%)	1 (1%)	81 91
4	P1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	R1	132/133 (99%)	131 (99%)	1 (1%)	81 91
4	T1	132/133 (99%)	131 (99%)	1 (1%)	81 91
4	X1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	Z1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	b1	132/133 (99%)	130 (98%)	2 (2%)	65 84

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
4	d1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	f1	132/133 (99%)	131 (99%)	1 (1%)	81 91
4	i1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	k1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	o1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	q1	132/133 (99%)	131 (99%)	1 (1%)	81 91
4	s1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	u1	132/133 (99%)	130 (98%)	2 (2%)	65 84
4	w1	132/133 (99%)	131 (99%)	1 (1%)	81 91
4	y1	132/133 (99%)	131 (99%)	1 (1%)	81 91
5	H1	126/126 (100%)	124 (98%)	2 (2%)	62 83
5	J1	126/126 (100%)	126 (100%)	0	100 100
5	L1	126/126 (100%)	125 (99%)	1 (1%)	81 91
5	M1	126/126 (100%)	126 (100%)	0	100 100
5	O1	126/126 (100%)	126 (100%)	0	100 100
5	S1	126/126 (100%)	126 (100%)	0	100 100
5	U1	126/126 (100%)	126 (100%)	0	100 100
5	W1	126/126 (100%)	126 (100%)	0	100 100
5	Y1	126/126 (100%)	126 (100%)	0	100 100
5	a1	126/126 (100%)	125 (99%)	1 (1%)	81 91
5	c1	126/126 (100%)	126 (100%)	0	100 100
5	e1	125/126 (99%)	125 (100%)	0	100 100
5	h1	126/126 (100%)	126 (100%)	0	100 100
5	j1	126/126 (100%)	124 (98%)	2 (2%)	62 83
5	l1	126/126 (100%)	126 (100%)	0	100 100
5	n1	126/126 (100%)	126 (100%)	0	100 100
5	p1	126/126 (100%)	126 (100%)	0	100 100
5	r1	126/126 (100%)	126 (100%)	0	100 100
5	t1	126/126 (100%)	126 (100%)	0	100 100
5	v1	126/126 (100%)	126 (100%)	0	100 100
5	x1	126/126 (100%)	126 (100%)	0	100 100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
5	z1	126/126 (100%)	126 (100%)	0	100	100
6	Q1	158/158 (100%)	156 (99%)	2 (1%)	69	86
6	g1	158/158 (100%)	156 (99%)	2 (1%)	69	86
7	V1	139/140 (99%)	138 (99%)	1 (1%)	84	93
7	m1	139/140 (99%)	139 (100%)	0	100	100
8	a2	712/785 (91%)	702 (99%)	10 (1%)	67	85
8	b2	712/785 (91%)	703 (99%)	9 (1%)	69	86
9	c2	77/79 (98%)	77 (100%)	0	100	100
9	d2	77/79 (98%)	77 (100%)	0	100	100
10	A3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	A4	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	A5	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	A6	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	A7	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	A9	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	B8	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	C3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	C4	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	C5	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	C6	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	C7	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	C9	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	D8	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	E2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	E3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	E4	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	E5	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	E6	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	E7	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	E9	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	F8	132/132 (100%)	130 (98%)	2 (2%)	65	84

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
10	G2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	G3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	G4	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	G5	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	G6	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	G7	131/132 (99%)	126 (96%)	5 (4%)	33	65
10	G9	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	H8	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	I2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	I3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	I4	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	I5	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	I6	131/132 (99%)	126 (96%)	5 (4%)	33	65
10	I7	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	I9	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	J8	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	K2	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	K3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	K4	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	K5	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	K6	132/132 (100%)	126 (96%)	6 (4%)	27	61
10	K7	132/132 (100%)	126 (96%)	6 (4%)	27	61
10	K9	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	L8	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	M2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	M3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	M4	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	M5	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	M6	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	M7	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	M9	132/132 (100%)	130 (98%)	2 (2%)	65	84

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
10	N8	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	O2	132/132 (100%)	131 (99%)	1 (1%)	81 91
10	O3	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	O4	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	O5	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	O6	132/132 (100%)	125 (95%)	7 (5%)	22 55
10	O7	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	O9	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	P8	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	Q2	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	Q3	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	Q4	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	Q5	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	Q6	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	Q7	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	Q9	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	S2	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	S3	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	S4	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	S5	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	S6	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	S7	132/132 (100%)	127 (96%)	5 (4%)	33 65
10	S9	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	U2	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	U3	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	U4	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	U5	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	U6	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	U7	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	U9	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	W2	132/132 (100%)	131 (99%)	1 (1%)	81 91

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
10	W3	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	W4	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	W6	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	W7	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	Y2	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	Y3	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	Y4	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	Y6	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	Y7	132/132 (100%)	124 (94%)	8 (6%)	18 51
10	aA	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	aC	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	aE	132/132 (100%)	127 (96%)	5 (4%)	33 65
10	aG	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	aI	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	aK	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	aM	132/132 (100%)	131 (99%)	1 (1%)	81 91
10	aO	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	aQ	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	aS	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	aU	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	am	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	ao	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	aq	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	as	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	au	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	aw	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	ay	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	bA	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	bC	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	bE	132/132 (100%)	124 (94%)	8 (6%)	18 51
10	bG	132/132 (100%)	129 (98%)	3 (2%)	50 77

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
10	bI	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	bK	132/132 (100%)	125 (95%)	7 (5%)	22 55
10	bM	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	bO	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	bQ	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	bS	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	bU	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	bm	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	bt	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	bu	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	bv	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	bw	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	bx	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	by	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	cA	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	cC	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	cD	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	cG	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	cI	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	cK	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	cS	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	cT	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	cU	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	cV	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	cW	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	cX	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	cZ	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	cm	132/132 (100%)	127 (96%)	5 (4%)	33 65
10	ct	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	cu	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	cv	132/132 (100%)	126 (96%)	6 (4%)	27 61

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
10	cw	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	cx	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	cy	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	dA	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dC	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dE	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dG	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	dI	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dJ	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dM	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dO	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dQ	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dS	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dU	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dW	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dZ	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	da	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	db	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	dc	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	de	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	dg	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	dk	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	dm	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	do	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	dq	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	ds	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	du	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	e2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	e3	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	eA	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	eC	132/132 (100%)	129 (98%)	3 (2%)	50	77

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
10	eE	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	eG	132/132 (100%)	125 (95%)	7 (5%)	22	55
10	eI	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	eK	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	eM	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	eO	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	eQ	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	eS	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	eU	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	eW	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	ea	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	ed	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	ef	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	eh	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	ej	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	ek	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	em	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	eo	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	eq	132/132 (100%)	131 (99%)	1 (1%)	81	91
10	es	132/132 (100%)	131 (99%)	1 (1%)	81	91
10	eu	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	f6	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	f7	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	fb	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	fe	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	fg	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	fh	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	fk	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	fl	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	fn	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	fp	132/132 (100%)	128 (97%)	4 (3%)	41	71

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
10	fr	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	ft	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	fv	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	fx	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	g2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	g3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	g6	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	g7	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	gb	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	gc	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	gf	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	gh	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	gj	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	gl	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	gm	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	go	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	gq	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	gs	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	gu	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	gw	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	h6	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	h7	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	hA	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	hC	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hE	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hF	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hI	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hK	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hM	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hO	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hQ	132/132 (100%)	128 (97%)	4 (3%)	41	71

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
10	hS	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hU	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	hW	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	i2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	i3	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	i6	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	i7	132/132 (100%)	125 (95%)	7 (5%)	22	55
10	i8	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	iA	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	iB	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	j6	132/132 (100%)	124 (94%)	8 (6%)	18	51
10	j7	132/132 (100%)	125 (95%)	7 (5%)	22	55
10	j8	132/132 (100%)	131 (99%)	1 (1%)	81	91
10	k2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	k3	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	k6	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	k7	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	k8	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	l8	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	la	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	lc	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	le	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	lg	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	li	132/132 (100%)	125 (95%)	7 (5%)	22	55
10	lk	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	lm	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	lo	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	lq	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	ls	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	lu	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	lw	132/132 (100%)	129 (98%)	3 (2%)	50	77

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
10	m2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	m3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	m4	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	m5	132/132 (100%)	127 (96%)	5 (4%)	33	65
10	m6	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	m7	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	m8	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	m9	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	o2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	o3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	o4	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	o5	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	o6	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	o7	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	o9	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	q2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	q3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	q4	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	q5	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	q6	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	q7	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	q8	132/132 (100%)	126 (96%)	6 (4%)	27	61
10	q9	132/132 (100%)	129 (98%)	3 (2%)	50	77
10	r8	132/132 (100%)	126 (96%)	6 (4%)	27	61
10	s2	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	s3	132/132 (100%)	130 (98%)	2 (2%)	65	84
10	s4	132/132 (100%)	126 (96%)	6 (4%)	27	61
10	s5	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	s6	132/132 (100%)	128 (97%)	4 (3%)	41	71
10	s7	132/132 (100%)	126 (96%)	6 (4%)	27	61
10	s8	132/132 (100%)	126 (96%)	6 (4%)	27	61

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
10	s9	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	t8	132/132 (100%)	125 (95%)	7 (5%)	22 55
10	u2	132/132 (100%)	131 (99%)	1 (1%)	81 91
10	u3	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	u4	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	u5	132/132 (100%)	127 (96%)	5 (4%)	33 65
10	u6	132/132 (100%)	129 (98%)	3 (2%)	50 77
10	u7	132/132 (100%)	127 (96%)	5 (4%)	33 65
10	u8	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	u9	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	v8	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	w2	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	w3	132/132 (100%)	131 (99%)	1 (1%)	81 91
10	w4	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	w5	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	w6	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	w7	132/132 (100%)	126 (96%)	6 (4%)	27 61
10	w9	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	x8	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	y2	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	y3	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	y4	132/132 (100%)	127 (96%)	5 (4%)	33 65
10	y5	132/132 (100%)	128 (97%)	4 (3%)	41 71
10	y9	132/132 (100%)	130 (98%)	2 (2%)	65 84
10	z8	132/132 (100%)	130 (98%)	2 (2%)	65 84
11	A8	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	B3	138/138 (100%)	138 (100%)	0	100 100
11	B4	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	B5	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	B6	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	B7	138/138 (100%)	136 (99%)	2 (1%)	67 85

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
11	B9	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	C8	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	D3	138/138 (100%)	138 (100%)	0	100 100
11	D4	138/138 (100%)	138 (100%)	0	100 100
11	D5	138/138 (100%)	138 (100%)	0	100 100
11	D6	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	D7	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	D9	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	E8	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	F2	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	F3	138/138 (100%)	138 (100%)	0	100 100
11	F4	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	F5	138/138 (100%)	138 (100%)	0	100 100
11	F6	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	F7	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	F9	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	G8	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	H2	138/138 (100%)	138 (100%)	0	100 100
11	H3	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	H4	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	H5	138/138 (100%)	138 (100%)	0	100 100
11	H6	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	H7	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	H9	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	I8	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	J2	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	J3	138/138 (100%)	138 (100%)	0	100 100
11	J4	138/138 (100%)	138 (100%)	0	100 100
11	J5	138/138 (100%)	138 (100%)	0	100 100
11	J6	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	J7	138/138 (100%)	137 (99%)	1 (1%)	84 93

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
11	J9	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	K8	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	L2	138/138 (100%)	138 (100%)	0	100 100
11	L3	138/138 (100%)	138 (100%)	0	100 100
11	L4	138/138 (100%)	138 (100%)	0	100 100
11	L5	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	L6	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	L7	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	L9	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	M8	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	N2	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	N3	138/138 (100%)	138 (100%)	0	100 100
11	N4	138/138 (100%)	138 (100%)	0	100 100
11	N5	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	N6	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	N7	138/138 (100%)	134 (97%)	4 (3%)	42 71
11	N9	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	O8	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	P2	138/138 (100%)	138 (100%)	0	100 100
11	P3	138/138 (100%)	138 (100%)	0	100 100
11	P4	138/138 (100%)	138 (100%)	0	100 100
11	P5	138/138 (100%)	138 (100%)	0	100 100
11	P6	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	P7	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	P9	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	Q8	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	R2	138/138 (100%)	138 (100%)	0	100 100
11	R3	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	R4	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	R5	138/138 (100%)	138 (100%)	0	100 100
11	R6	138/138 (100%)	137 (99%)	1 (1%)	84 93

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
11	R7	138/138 (100%)	134 (97%)	4 (3%)	42 71
11	R9	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	T2	138/138 (100%)	138 (100%)	0	100 100
11	T3	138/138 (100%)	138 (100%)	0	100 100
11	T4	138/138 (100%)	138 (100%)	0	100 100
11	T5	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	T6	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	T7	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	T9	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	V2	138/138 (100%)	138 (100%)	0	100 100
11	V3	138/138 (100%)	138 (100%)	0	100 100
11	V4	138/138 (100%)	138 (100%)	0	100 100
11	V5	138/138 (100%)	138 (100%)	0	100 100
11	V6	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	V7	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	V9	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	X2	138/138 (100%)	138 (100%)	0	100 100
11	X3	138/138 (100%)	138 (100%)	0	100 100
11	X4	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	X6	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	X7	138/138 (100%)	133 (96%)	5 (4%)	35 66
11	Z2	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	Z3	138/138 (100%)	138 (100%)	0	100 100
11	Z4	138/138 (100%)	138 (100%)	0	100 100
11	Z6	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	Z7	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	a6	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	a7	138/138 (100%)	134 (97%)	4 (3%)	42 71
11	aB	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	aD	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	aF	138/138 (100%)	135 (98%)	3 (2%)	52 78

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
11	aH	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	aJ	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	aL	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	aN	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	aP	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	aR	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	aT	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	aV	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	an	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	ap	138/138 (100%)	134 (97%)	4 (3%)	42	71
11	ar	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	at	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	av	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	ax	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	az	138/138 (100%)	134 (97%)	4 (3%)	42	71
11	b6	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	b7	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	bB	138/138 (100%)	133 (96%)	5 (4%)	35	66
11	bD	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	bF	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	bH	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	bJ	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	bL	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	bN	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	bP	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	bR	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	bT	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	bV	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	bn	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	bo	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	bp	138/138 (100%)	136 (99%)	2 (1%)	67	85

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
11	bq	138/138 (100%)	138 (100%)	0	100	100
11	br	138/138 (100%)	138 (100%)	0	100	100
11	bs	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	bz	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	c6	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	c7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	cB	138/138 (100%)	138 (100%)	0	100	100
11	cE	138/138 (100%)	138 (100%)	0	100	100
11	cF	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	cH	138/138 (100%)	138 (100%)	0	100	100
11	cJ	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	cL	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	cM	138/138 (100%)	138 (100%)	0	100	100
11	cN	138/138 (100%)	138 (100%)	0	100	100
11	cO	138/138 (100%)	138 (100%)	0	100	100
11	cP	138/138 (100%)	138 (100%)	0	100	100
11	cQ	138/138 (100%)	138 (100%)	0	100	100
11	cR	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	cY	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	cn	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	co	138/138 (100%)	134 (97%)	4 (3%)	42	71
11	cp	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	cq	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	cr	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	cs	138/138 (100%)	133 (96%)	5 (4%)	35	66
11	cz	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	d6	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	d7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	dB	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	dD	138/138 (100%)	138 (100%)	0	100	100
11	dF	138/138 (100%)	138 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
11	dH	138/138 (100%)	138 (100%)	0	100	100
11	dK	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dL	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	dN	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dP	138/138 (100%)	138 (100%)	0	100	100
11	dR	138/138 (100%)	138 (100%)	0	100	100
11	dT	138/138 (100%)	138 (100%)	0	100	100
11	dV	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dX	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dY	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dd	138/138 (100%)	138 (100%)	0	100	100
11	df	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	dh	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	di	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dj	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dl	138/138 (100%)	138 (100%)	0	100	100
11	dn	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dp	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dr	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	dt	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	dv	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	e6	138/138 (100%)	138 (100%)	0	100	100
11	e7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	eB	138/138 (100%)	138 (100%)	0	100	100
11	eD	138/138 (100%)	138 (100%)	0	100	100
11	eF	138/138 (100%)	138 (100%)	0	100	100
11	eH	138/138 (100%)	138 (100%)	0	100	100
11	eJ	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	eL	138/138 (100%)	138 (100%)	0	100	100
11	eN	138/138 (100%)	138 (100%)	0	100	100
11	eP	138/138 (100%)	138 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
11	eR	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	eT	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	eV	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	eX	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	eb	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	ec	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	ee	138/138 (100%)	135 (98%)	3 (2%)	52 78
11	eg	138/138 (100%)	138 (100%)	0	100 100
11	ei	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	el	138/138 (100%)	138 (100%)	0	100 100
11	en	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	ep	138/138 (100%)	138 (100%)	0	100 100
11	er	138/138 (100%)	138 (100%)	0	100 100
11	et	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	ev	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	f2	138/138 (100%)	138 (100%)	0	100 100
11	f3	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	f8	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	fa	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fc	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	ff	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fi	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fj	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fm	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fo	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fq	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fs	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fu	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fw	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	fy	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	g8	138/138 (100%)	135 (98%)	3 (2%)	52 78

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
11	ga	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	gd	138/138 (100%)	133 (96%)	5 (4%)	35 66
11	ge	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	gg	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	gi	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	gk	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	gn	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	gp	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	gr	138/138 (100%)	134 (97%)	4 (3%)	42 71
11	gt	138/138 (100%)	134 (97%)	4 (3%)	42 71
11	gv	138/138 (100%)	136 (99%)	2 (1%)	67 85
11	gx	138/138 (100%)	134 (97%)	4 (3%)	42 71
11	h2	138/138 (100%)	138 (100%)	0	100 100
11	h3	138/138 (100%)	138 (100%)	0	100 100
11	h8	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	hB	138/138 (100%)	138 (100%)	0	100 100
11	hD	138/138 (100%)	138 (100%)	0	100 100
11	hG	138/138 (100%)	138 (100%)	0	100 100
11	hH	138/138 (100%)	138 (100%)	0	100 100
11	hJ	138/138 (100%)	138 (100%)	0	100 100
11	hL	138/138 (100%)	138 (100%)	0	100 100
11	hN	138/138 (100%)	138 (100%)	0	100 100
11	hP	138/138 (100%)	138 (100%)	0	100 100
11	hR	138/138 (100%)	138 (100%)	0	100 100
11	hT	138/138 (100%)	138 (100%)	0	100 100
11	hV	138/138 (100%)	138 (100%)	0	100 100
11	hX	138/138 (100%)	138 (100%)	0	100 100
11	iC	138/138 (100%)	137 (99%)	1 (1%)	84 93
11	iD	138/138 (100%)	133 (96%)	5 (4%)	35 66
11	iE	112/138 (81%)	109 (97%)	3 (3%)	44 73
11	iF	112/138 (81%)	112 (100%)	0	100 100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
11	iG	114/138 (83%)	111 (97%)	3 (3%)	46	74
11	iH	114/138 (83%)	114 (100%)	0	100	100
11	j2	138/138 (100%)	138 (100%)	0	100	100
11	j3	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	jI	110/138 (80%)	108 (98%)	2 (2%)	59	81
11	jJ	110/138 (80%)	108 (98%)	2 (2%)	59	81
11	jK	111/138 (80%)	109 (98%)	2 (2%)	59	81
11	jL	111/138 (80%)	110 (99%)	1 (1%)	78	90
11	jM	111/138 (80%)	109 (98%)	2 (2%)	59	81
11	jN	111/138 (80%)	109 (98%)	2 (2%)	59	81
11	jO	111/138 (80%)	108 (97%)	3 (3%)	44	73
11	jP	111/138 (80%)	109 (98%)	2 (2%)	59	81
11	kQ	110/138 (80%)	109 (99%)	1 (1%)	78	90
11	kR	110/138 (80%)	109 (99%)	1 (1%)	78	90
11	kS	113/138 (82%)	111 (98%)	2 (2%)	59	81
11	kT	112/138 (81%)	110 (98%)	2 (2%)	59	81
11	kU	110/138 (80%)	108 (98%)	2 (2%)	59	81
11	kV	110/138 (80%)	108 (98%)	2 (2%)	59	81
11	kW	113/138 (82%)	111 (98%)	2 (2%)	59	81
11	kX	113/138 (82%)	111 (98%)	2 (2%)	59	81
11	l2	138/138 (100%)	138 (100%)	0	100	100
11	l3	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	l6	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	l7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	lb	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	ld	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	lf	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	lh	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	lj	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	ll	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	ln	138/138 (100%)	137 (99%)	1 (1%)	84	93

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
11	lp	138/138 (100%)	138 (100%)	0	100	100
11	lr	138/138 (100%)	138 (100%)	0	100	100
11	lt	138/138 (100%)	138 (100%)	0	100	100
11	lv	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	lx	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	n2	138/138 (100%)	138 (100%)	0	100	100
11	n3	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	n4	138/138 (100%)	138 (100%)	0	100	100
11	n5	138/138 (100%)	138 (100%)	0	100	100
11	n6	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	n7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	n8	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	n9	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	o8	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	p2	138/138 (100%)	138 (100%)	0	100	100
11	p3	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	p4	138/138 (100%)	138 (100%)	0	100	100
11	p5	138/138 (100%)	138 (100%)	0	100	100
11	p6	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	p7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	p8	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	p9	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	r2	138/138 (100%)	138 (100%)	0	100	100
11	r3	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	r4	138/138 (100%)	138 (100%)	0	100	100
11	r5	138/138 (100%)	138 (100%)	0	100	100
11	r6	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	r7	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	r9	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	t2	138/138 (100%)	138 (100%)	0	100	100
11	t3	138/138 (100%)	138 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
11	t4	138/138 (100%)	138 (100%)	0	100	100
11	t5	138/138 (100%)	138 (100%)	0	100	100
11	t6	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	t7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	t9	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	v2	138/138 (100%)	138 (100%)	0	100	100
11	v3	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	v4	138/138 (100%)	138 (100%)	0	100	100
11	v5	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	v6	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	v7	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	v9	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	w8	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	x2	138/138 (100%)	138 (100%)	0	100	100
11	x3	138/138 (100%)	138 (100%)	0	100	100
11	x4	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	x5	138/138 (100%)	138 (100%)	0	100	100
11	x6	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	x7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	x9	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	y6	138/138 (100%)	135 (98%)	3 (2%)	52	78
11	y7	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	y8	138/138 (100%)	138 (100%)	0	100	100
11	z2	138/138 (100%)	138 (100%)	0	100	100
11	z3	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	z4	138/138 (100%)	137 (99%)	1 (1%)	84	93
11	z5	138/138 (100%)	138 (100%)	0	100	100
11	z6	138/138 (100%)	136 (99%)	2 (1%)	67	85
11	z7	138/138 (100%)	134 (97%)	4 (3%)	42	71
11	z9	138/138 (100%)	134 (97%)	4 (3%)	42	71
12	34	213/246 (87%)	211 (99%)	2 (1%)	78	90

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
12	A2	213/246 (87%)	207 (97%)	6 (3%)	43	72
12	U8	213/246 (87%)	209 (98%)	4 (2%)	57	80
12	Y5	213/246 (87%)	210 (99%)	3 (1%)	67	85
12	Z9	213/246 (87%)	208 (98%)	5 (2%)	50	77
12	a3	213/246 (87%)	209 (98%)	4 (2%)	57	80
12	aY	213/246 (87%)	208 (98%)	5 (2%)	50	77
12	b8	213/246 (87%)	209 (98%)	4 (2%)	57	80
12	b9	213/246 (87%)	209 (98%)	4 (2%)	57	80
12	bY	213/246 (87%)	207 (97%)	6 (3%)	43	72
12	dw	213/246 (87%)	207 (97%)	6 (3%)	43	72
12	dx	213/246 (87%)	208 (98%)	5 (2%)	50	77
12	ey	213/246 (87%)	208 (98%)	5 (2%)	50	77
12	ez	212/246 (86%)	209 (99%)	3 (1%)	67	85
13	B2	309/393 (79%)	304 (98%)	5 (2%)	62	83
13	b3	309/393 (79%)	302 (98%)	7 (2%)	50	77
14	44	193/225 (86%)	191 (99%)	2 (1%)	76	88
14	C2	193/225 (86%)	191 (99%)	2 (1%)	76	88
14	D2	188/225 (84%)	187 (100%)	1 (0%)	88	94
14	T8	193/225 (86%)	191 (99%)	2 (1%)	76	88
14	Y9	193/225 (86%)	191 (99%)	2 (1%)	76	88
14	Z5	193/225 (86%)	191 (99%)	2 (1%)	76	88
14	aZ	193/225 (86%)	191 (99%)	2 (1%)	76	88
14	bZ	193/225 (86%)	190 (98%)	3 (2%)	62	83
14	c3	193/225 (86%)	191 (99%)	2 (1%)	76	88
14	c8	193/225 (86%)	190 (98%)	3 (2%)	62	83
14	c9	193/225 (86%)	189 (98%)	4 (2%)	53	79
14	d3	188/225 (84%)	186 (99%)	2 (1%)	73	88
14	d8	188/225 (84%)	187 (100%)	1 (0%)	88	94
14	d9	188/225 (84%)	187 (100%)	1 (0%)	88	94
14	e8	188/225 (84%)	187 (100%)	1 (0%)	88	94
14	e9	188/225 (84%)	188 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
15	14	205/209 (98%)	203 (99%)	2 (1%)	76 88
15	R8	203/209 (97%)	199 (98%)	4 (2%)	55 79
15	W5	205/209 (98%)	204 (100%)	1 (0%)	88 94
15	W9	203/209 (97%)	195 (96%)	8 (4%)	32 64
15	aW	206/209 (99%)	204 (99%)	2 (1%)	76 88
15	bW	206/209 (99%)	203 (98%)	3 (2%)	65 84
16	24	265/298 (89%)	262 (99%)	3 (1%)	73 88
16	S8	266/298 (89%)	263 (99%)	3 (1%)	73 88
16	X5	266/298 (89%)	256 (96%)	10 (4%)	33 65
16	X9	266/298 (89%)	259 (97%)	7 (3%)	46 74
16	aX	266/298 (89%)	260 (98%)	6 (2%)	50 77
16	bX	266/298 (89%)	257 (97%)	9 (3%)	37 68
17	V8	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	X8	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	Z8	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	a4	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	a5	126/126 (100%)	125 (99%)	1 (1%)	81 91
17	aa	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	ac	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	ae	127/126 (101%)	125 (98%)	2 (2%)	62 83
17	ag	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	ai	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	ak	126/126 (100%)	122 (97%)	4 (3%)	39 69
17	b4	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	b5	126/126 (100%)	123 (98%)	3 (2%)	49 76
17	ba	126/126 (100%)	125 (99%)	1 (1%)	81 91
17	bc	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	be	127/126 (101%)	125 (98%)	2 (2%)	62 83
17	bg	126/126 (100%)	125 (99%)	1 (1%)	81 91
17	bi	126/126 (100%)	125 (99%)	1 (1%)	81 91
17	bk	126/126 (100%)	124 (98%)	2 (2%)	62 83

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
17	ca	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	cc	126/126 (100%)	122 (97%)	4 (3%)	39 69
17	ce	127/126 (101%)	125 (98%)	2 (2%)	62 83
17	cg	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	ci	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	ck	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	d4	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	d5	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	f4	126/126 (100%)	125 (99%)	1 (1%)	81 91
17	f5	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	g9	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	i4	126/126 (100%)	125 (99%)	1 (1%)	81 91
17	i5	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	i9	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	k4	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	k5	126/126 (100%)	124 (98%)	2 (2%)	62 83
17	k9	126/126 (100%)	125 (99%)	1 (1%)	81 91
18	W8	136/136 (100%)	133 (98%)	3 (2%)	52 78
18	Y8	136/136 (100%)	132 (97%)	4 (3%)	42 71
18	ab	136/136 (100%)	133 (98%)	3 (2%)	52 78
18	ad	136/136 (100%)	133 (98%)	3 (2%)	52 78
18	af	136/136 (100%)	132 (97%)	4 (3%)	42 71
18	ah	136/136 (100%)	132 (97%)	4 (3%)	42 71
18	aj	136/136 (100%)	133 (98%)	3 (2%)	52 78
18	al	136/136 (100%)	134 (98%)	2 (2%)	65 84
18	bb	136/136 (100%)	136 (100%)	0	100 100
18	bd	136/136 (100%)	133 (98%)	3 (2%)	52 78
18	bf	136/136 (100%)	136 (100%)	0	100 100
18	bh	136/136 (100%)	136 (100%)	0	100 100
18	bj	137/136 (101%)	136 (99%)	1 (1%)	84 93
18	bl	136/136 (100%)	136 (100%)	0	100 100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
18	c4	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	c5	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	cb	136/136 (100%)	134 (98%)	2 (2%)	65 84
18	cd	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	cf	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	ch	136/136 (100%)	134 (98%)	2 (2%)	65 84
18	cj	137/136 (101%)	136 (99%)	1 (1%)	84 93
18	cl	136/136 (100%)	134 (98%)	2 (2%)	65 84
18	e4	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	e5	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	f9	136/136 (100%)	134 (98%)	2 (2%)	65 84
18	g4	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	g5	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	h4	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	h5	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	h9	136/136 (100%)	133 (98%)	3 (2%)	52 78
18	j4	137/136 (101%)	136 (99%)	1 (1%)	84 93
18	j5	137/136 (101%)	137 (100%)	0	100 100
18	j9	136/136 (100%)	135 (99%)	1 (1%)	84 93
18	l4	136/136 (100%)	136 (100%)	0	100 100
18	l5	136/136 (100%)	134 (98%)	2 (2%)	65 84
18	l9	136/136 (100%)	134 (98%)	2 (2%)	65 84
19	a8	301/428 (70%)	298 (99%)	3 (1%)	76 88
19	a9	301/428 (70%)	297 (99%)	4 (1%)	69 86
20	dy	257/295 (87%)	251 (98%)	6 (2%)	50 77
20	dz	257/295 (87%)	249 (97%)	8 (3%)	40 70
21	ew	195/233 (84%)	191 (98%)	4 (2%)	53 79
21	ex	195/233 (84%)	190 (97%)	5 (3%)	46 74
21	fd	166/233 (71%)	162 (98%)	4 (2%)	49 76
21	fz	166/233 (71%)	162 (98%)	4 (2%)	49 76
22	eY	228/261 (87%)	222 (97%)	6 (3%)	46 74

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
22	eZ	228/261 (87%)	223 (98%)	5 (2%)	52 78
23	hY	180/277 (65%)	178 (99%)	2 (1%)	73 88
23	hZ	180/277 (65%)	178 (99%)	2 (1%)	73 88
23	ly	197/277 (71%)	195 (99%)	2 (1%)	76 88
23	lz	197/277 (71%)	194 (98%)	3 (2%)	65 84
24	gy	213/246 (87%)	210 (99%)	3 (1%)	67 85
24	gz	213/246 (87%)	210 (99%)	3 (1%)	67 85
25	ka	225/307 (73%)	221 (98%)	4 (2%)	59 81
25	kb	225/307 (73%)	221 (98%)	4 (2%)	59 81
All	All	121716/125196 (97%)	119749 (98%)	1967 (2%)	64 83

5 of 1967 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
17	V8	30	ARG
11	fy	27	LEU
10	aS	121	ASN
10	fr	2	LYS
10	hQ	144	MET

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 2627 such sidechains are listed below:

Mol	Chain	Res	Type
11	cP	35	ASN
10	lu	94	ASN
10	dg	121	ASN
11	cN	35	ASN
10	ej	121	ASN

5.3.3 RNA (i)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains (i)

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates (i)

There are no monosaccharides in this entry.

5.6 Ligand geometry (i)

2048 ligands are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
26	PEB	y2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	L7	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ea	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	g3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	V7	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	aD	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	Z7	203	11	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	W3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cG	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	ev	201	11	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
28	PUB	x6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	ai	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	f7	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	au	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	kS	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	n1	201	5	42,46,46	3.39	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	z6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	U4	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hX	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	ge	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	u1	1001	4	42,46,46	3.39	14 (33%)	50,67,67	3.14	25 (50%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	eK	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	dK	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
28	PUB	eY	405	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
29	PVN	dx	405	12	43,46,46	2.08	7 (16%)	49,67,67	3.11	17 (34%)
26	PEB	r8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	gk	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	h6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	li	203	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	Q4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cL	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	u4	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	dV	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jM	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gb	1002	10	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	t4	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	E4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	T8	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dR	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	kW	1003	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bk	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aN	204	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bG	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dd	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	j7	201	10	43,46,46	1.72	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	ak	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	F8	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	O7	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	eJ	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
28	PUB	a3	1006	-	42,46,46	2.28	9 (21%)	37,67,67	2.60	8 (21%)
26	PEB	e7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	hT	202	11	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ec	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	li	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	S4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	gt	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.62	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	ap	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	x9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bh	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	eR	203	11	42,46,46	2.29	10 (23%)	37,67,67	2.61	9 (24%)
28	PUB	at	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	v5	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	y7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	T7	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	dp	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	aM	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cs	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Z6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	aN	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	y3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	e8	302	14	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	eY	403	-	43,46,46	2.02	8 (18%)	49,67,67	3.88	17 (34%)
26	PEB	a4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Z3	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	V6	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	hI	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	K2	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	u7	201	10	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	v7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ga	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	bJ	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	ag	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	Z1	201	-	42,46,46	3.38	14 (33%)	50,67,67	3.13	24 (48%)
26	PEB	w7	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	s7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	X5	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	c9	303	-	43,46,46	1.92	7 (16%)	49,67,67	2.45	8 (16%)
28	PUB	h8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	X7	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	S3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	ej	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	c6	1004	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bX	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aw	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	J3	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	D7	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cN	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cg	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	x3	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	N6	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
29	PVN	aY	403	-	43,46,46	2.10	9 (20%)	49,67,67	3.34	18 (36%)
26	PEB	dW	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	N6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	R9	202	11	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	C2	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	D8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	V5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	lo	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	cN	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dc	203	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ff	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	R5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	t3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	f6	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	al	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	P8	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	lp	203	-	42,46,46	2.28	8 (19%)	37,67,67	2.62	9 (24%)
28	PUB	V7	203	11	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	do	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dZ	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	U2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	d9	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	o1	1001	-	42,46,46	3.39	14 (33%)	50,67,67	3.14	25 (50%)
26	PEB	44	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	M5	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	cV	203	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	df	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	iC	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bN	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	gg	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	n4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jI	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lv	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fc	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	iA	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	S5	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	I5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
28	PUB	e8	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Q5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	aa	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lr	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hT	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	lb	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	Q3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	cP	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	P2	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	k9	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	ld	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	iF	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bD	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	v8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	U8	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	hZ	403	-	43,46,46	2.25	11 (25%)	49,67,67	3.54	18 (36%)
26	PEB	lk	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	eV	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
27	CYC	P1	201	-	42,46,46	3.39	14 (33%)	50,67,67	3.14	25 (50%)
26	PEB	aI	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	t4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	cr	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.60	8 (21%)
26	PEB	ao	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	cH	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	H7	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	m7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	f8	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	z9	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	X2	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	dN	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	M4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	m9	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	r5	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	C9	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	J2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	E4	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	j6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	D9	202	-	43,46,46	1.99	6 (13%)	45,67,67	1.51	6 (13%)
26	PEB	y4	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ei	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	M6	1001	10	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	F6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cS	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bY	1005	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	10 (27%)
26	PEB	dp	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	c3	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	bO	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	aS	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	d1	1001	-	42,46,46	3.39	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	m2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	t2	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	N5	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bv	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eS	202	10	43,46,46	1.70	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	ek	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aF	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	hG	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	kR	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	V5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eP	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
29	PVN	d3	302	-	43,46,46	2.11	7 (16%)	49,67,67	2.81	19 (38%)
26	PEB	c6	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	j6	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lq	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
28	PUB	jM	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	cb	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	I7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	B1	301	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ds	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	d9	301	-	43,46,46	1.69	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	t9	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jM	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	ga	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	gv	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	h8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eO	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	gg	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cB	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dK	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	F7	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cX	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cb	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	cM	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	C4	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	g1	201	-	42,46,46	3.40	14 (33%)	50,67,67	3.14	25 (50%)
26	PEB	q6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aC	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hB	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	iD	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cz	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.50	6 (13%)
26	PEB	j7	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	Y3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	em	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Y5	1006	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	x3	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	cJ	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	kQ	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	N6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	cq	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	A4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	e9	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	D6	202	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	la	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	I2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gy	303	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	d8	301	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	dd	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dm	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dA	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eF	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	fx	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	aq	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	ln	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	gk	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gt	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jJ	1002	11	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	S7	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lt	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dx	406	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	br	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	b9	403	12	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z4	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	w9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	v5	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	a6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lu	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	e1	201	-	42,46,46	3.39	14 (33%)	50,67,67	3.13	25 (50%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	kW	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
27	CYC	G1	1001	-	42,46,46	3.40	14 (33%)	50,67,67	3.13	25 (50%)
27	CYC	J1	201	5	42,46,46	3.44	18 (42%)	50,67,67	3.40	25 (50%)
28	PUB	y7	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	cx	202	10	43,46,46	1.66	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	gc	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	y9	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	p6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	v6	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	I8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	X4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	U8	1005	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	M8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	fq	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	k7	1001	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	H8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l2	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	dF	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	X6	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
28	PUB	V6	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	aH	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	r6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hP	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	du	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	D9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	P4	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	U8	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	ge	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	dw	405	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	aY	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	go	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	bn	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	S2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K7	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	P2	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	y2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	dI	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fl	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	x5	202	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	cO	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ea	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dH	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	lp	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	a3	1003	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aT	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	V7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	s6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	D6	201	11	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	A2	1004	-	43,46,46	2.02	8 (18%)	49,67,67	2.57	18 (36%)
26	PEB	M2	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	I4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	cG	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hY	402	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
27	CYC	U1	201	5	42,46,46	3.40	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	a8	601	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	g6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aK	1002	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dL	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gh	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	p1	201	-	42,46,46	3.44	18 (42%)	50,67,67	3.39	25 (50%)
28	PUB	D5	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	ec	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	cP	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jP	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	aB	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	X3	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	cR	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	v9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Z5	306	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	lp	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	b9	402	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	lb	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	C6	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	h6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cD	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	j2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bd	201	18	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	cz	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	U8	1006	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	p8	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	cs	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	hQ	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	lw	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
28	PUB	d6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	lr	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bM	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	M6	1002	10	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	F9	202	-	43,46,46	2.01	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cr	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	B9	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	D2	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Q6	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	B7	202	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	er	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	le	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	gb	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	E5	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	d5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	f9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	G5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	w5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	C8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hT	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ek	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	2 (4%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	L4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	E7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	bd	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hD	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	F3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	x4	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	t7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eN	201	-	43,46,46	1.69	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	P6	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	W3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	j3	201	-	43,46,46	1.98	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	bs	1003	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	H2	202	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	aH	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ay	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	z8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	cK	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	f8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	gz	306	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	c3	304	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	s4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fz	301	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	i3	203	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	D7	203	-	42,46,46	2.29	10 (23%)	37,67,67	2.62	9 (24%)
26	PEB	cl	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aS	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cn	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	o3	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	az	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bU	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	dc	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	di	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	C4	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	M7	1003	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	B2	501	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	O8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cB	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	s3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	fj	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	kQ	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	N3	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	R3	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	X6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	cV	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aW	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dL	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	aE	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ej	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aj	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	fa	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	a7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	A9	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	u5	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gl	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gn	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	x3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	N2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	A5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	y7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	lo	201	10	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	w6	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lh	201	11	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
27	CYC	Y1	201	-	42,46,46	3.43	18 (42%)	50,67,67	3.40	25 (50%)
26	PEB	gx	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	cP	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Z8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	P2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	N4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	h9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Z9	1003	12	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	bb	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	cE	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	F4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	ar	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	cZ	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	bD	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	10 (27%)
26	PEB	i5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	p3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cy	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	H9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	db	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	N5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	H7	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	R4	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dN	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	M5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Z9	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fo	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	T9	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	B6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Z3	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	z2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aA	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	I5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	ei	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	g5	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bl	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Q3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bC	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	u6	201	10	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	44	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	T2	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	fq	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K5	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	e6	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	Y2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hW	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Y2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	t8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	E6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ao	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eA	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	m7	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	L8	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	et	201	-	43,46,46	1.66	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	bx	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	by	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	an	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
27	CYC	b2	1001	8	42,46,46	3.44	18 (42%)	50,67,67	3.39	25 (50%)
26	PEB	I9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ll	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	N3	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	gw	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	J6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dl	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dM	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	U5	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
29	PVN	aZ	303	-	43,46,46	1.94	9 (20%)	49,67,67	3.14	13 (26%)
28	PUB	F3	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	eB	203	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	kV	1002	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	eV	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
28	PUB	t2	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	b6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	ax	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	O4	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	K8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
28	PUB	ev	203	11	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	u3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	D3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bH	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Y7	1003	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	Q7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	P4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	o8	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aC	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	co	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
28	PUB	cM	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	bv	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fr	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	bs	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gm	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	x2	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	U4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dr	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hB	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
29	PVN	ez	1004	-	43,46,46	1.99	8 (18%)	49,67,67	3.01	14 (28%)
26	PEB	B4	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	X6	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	24	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l7	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	n9	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	fu	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ch	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bI	202	10	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	kV	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	R6	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ey	1003	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	w8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ft	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
27	CYC	j1	201	-	42,46,46	3.44	18 (42%)	50,67,67	3.40	25 (50%)
28	PUB	bq	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	P5	202	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	l6	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	V9	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bG	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	cz	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gp	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	ce	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	x9	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	e4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	lz	401	23	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	L6	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	q7	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lw	203	-	43,46,46	1.98	7 (16%)	45,67,67	1.50	6 (13%)
26	PEB	C8	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bs	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hY	403	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bY	1006	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	L7	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	V3	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dT	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	ld	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ap	202	11	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	O2	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	b9	405	-	43,46,46	1.84	7 (16%)	49,67,67	2.89	11 (22%)
26	PEB	hZ	401	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	n2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	er	203	-	42,46,46	2.30	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Y8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z3	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	eR	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	l3	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.60	9 (24%)
28	PUB	F2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	d6	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	L4	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	lg	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	ei	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	bo	201	-	43,46,46	1.69	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	P9	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	fb	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	dp	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hW	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	g3	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	r4	201	11	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	hP	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	u7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	44	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	B4	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.55	9 (20%)
28	PUB	fw	203	-	42,46,46	2.29	10 (23%)	37,67,67	2.62	9 (24%)
28	PUB	r2	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	fa	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
27	CYC	R1	1001	-	42,46,46	3.40	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	Y5	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	R7	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	x6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	W7	201	10	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cI	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l2	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	W4	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aX	402	11	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cI	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	N8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ep	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	44	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	h8	202	11	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	w6	1002	10	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	b1	1001	-	42,46,46	3.39	15 (35%)	50,67,67	3.14	25 (50%)
26	PEB	cj	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dW	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	m5	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	av	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	dz	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	N3	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	dL	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	K8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	H1	201	-	42,46,46	3.45	18 (42%)	50,67,67	3.39	25 (50%)
26	PEB	ax	201	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	R2	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	a7	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	w2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	bZ	306	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	fj	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	T8	305	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	R3	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	Z9	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	hR	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	R3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	e9	306	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bB	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	o8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Q2	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	P3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	ef	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	af	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	n5	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	Z5	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	lr	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
28	PUB	hV	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	M2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	o6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	M9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aA	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	dy	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bp	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K9	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	C8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bw	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dX	203	-	42,46,46	2.29	10 (23%)	37,67,67	2.62	8 (21%)
28	PUB	b8	1005	12	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	eX	202	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	A1	301	1	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	T7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	aK	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K3	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fv	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	d7	203	11	42,46,46	2.27	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	e7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ba	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	w3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	h4	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
27	CYC	f1	201	-	42,46,46	3.39	15 (35%)	50,67,67	3.14	25 (50%)
26	PEB	aN	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	by	1002	10	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	G8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ea	203	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eE	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	C2	304	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	hQ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dj	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	F9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	P6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	gy	302	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
28	PUB	iF	1003	11	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	bJ	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	S9	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	34	1003	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	p9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	m6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	d8	303	14	43,46,46	1.85	6 (13%)	49,67,67	2.70	10 (20%)
26	PEB	W6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	L5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
27	CYC	X1	201	-	42,46,46	3.40	14 (33%)	50,67,67	3.14	25 (50%)
28	PUB	dn	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Z5	303	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	z3	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
29	PVN	dw	404	-	43,46,46	2.02	8 (18%)	49,67,67	3.16	18 (36%)
26	PEB	iF	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	Y5	1003	12	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
28	PUB	p5	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	34	1001	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	N9	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	hS	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	dZ	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	x5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cd	201	18	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	kS	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	b6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	cR	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bz	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bX	402	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eU	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	F6	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J6	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	dr	202	11	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	x2	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	O6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	D2	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	J4	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cX	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	n3	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eK	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	34	1005	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	K8	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	L3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ch	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	gx	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	O8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dX	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	Y9	303	-	43,46,46	1.93	8 (18%)	49,67,67	2.84	18 (36%)
28	PUB	p3	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	cJ	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	lq	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dD	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	h5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	s2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	lf	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	e4	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	t5	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bD	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	f6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dm	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bo	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	dB	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	jL	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	L3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cu	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	k6	1001	10	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	z9	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bu	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	f3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
28	PUB	aV	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
29	PVN	d9	304	14	43,46,46	1.83	6 (13%)	49,67,67	2.70	10 (20%)
26	PEB	y5	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	S8	401	11	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	N7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bY	1003	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dY	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	V3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bM	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bq	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	fp	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	P9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	fp	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	N1	201	-	42,46,46	3.39	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	k5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	jO	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	e8	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	et	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	aZ	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Y5	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	av	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	G3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	Y4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dY	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	kR	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	cs	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	j8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lj	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	r2	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	r1	201	-	42,46,46	3.43	18 (42%)	50,67,67	3.40	25 (50%)
28	PUB	dt	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	W3	203	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	lo	203	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bH	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	b9	406	12	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
28	PUB	h3	202	11	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	u9	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	r9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dG	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q9	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Y9	305	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	jL	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	j5	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	j5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	d9	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	aw	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	g5	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bj	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	cR	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bQ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	y9	1002	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	em	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
28	PUB	c8	305	-	42,46,46	2.27	9 (21%)	37,67,67	2.60	9 (24%)
26	PEB	W2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cV	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ff	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	U6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	b8	1001	12	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	P8	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ds	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	n3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	dA	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	am	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	r8	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	j2	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	i6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gt	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	o8	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	S7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
27	CYC	i1	1001	-	42,46,46	3.40	14 (33%)	50,67,67	3.13	25 (50%)
28	PUB	dP	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	hN	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dw	403	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c9	302	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cm	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bi	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cQ	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dr	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bh	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aR	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	kQ	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	l5	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cZ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	J4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	ab	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	K3	202	-	43,46,46	1.66	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	eY	404	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	V6	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c4	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	eZ	403	-	42,46,46	2.29	10 (23%)	37,67,67	2.61	9 (24%)
26	PEB	W8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bY	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dT	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	hX	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	r5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bF	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	I3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dz	402	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	R4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bp	202	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Q8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bI	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	eC	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	t5	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	8 (21%)
28	PUB	cp	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	d3	301	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	eB	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	I9	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	cS	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ls	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	V9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	p6	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	s8	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	Z6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	B4	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
27	CYC	k1	201	-	42,46,46	3.40	15 (35%)	50,67,67	3.14	25 (50%)
28	PUB	aF	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
27	CYC	O1	201	-	42,46,46	3.39	15 (35%)	50,67,67	3.13	25 (50%)
28	PUB	eL	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
27	CYC	s1	201	-	42,46,46	3.39	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	Z2	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	K2	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	D7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	ap	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jK	1002	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bc	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	W7	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	fd	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	P3	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	34	1006	12	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	u2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eu	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	2 (4%)
28	PUB	av	203	11	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	b4	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	d4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hS	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eT	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	aN	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gf	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cY	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	U2	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	ez	1006	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
28	PUB	R2	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	a7	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	j9	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gd	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	gh	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	eI	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ey	1001	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	gp	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	y5	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	c8	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	h5	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	e9	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	T8	303	-	43,46,46	1.92	8 (18%)	49,67,67	2.84	18 (36%)
26	PEB	o7	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	bJ	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	k6	1002	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	eF	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	gz	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	K4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aF	204	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dD	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jK	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ec	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	b7	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fs	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	A2	1005	12	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	X7	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	br	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	fd	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bm	1002	10	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	a3	1004	-	43,46,46	2.02	8 (18%)	49,67,67	2.57	18 (36%)
27	CYC	W1	201	-	42,46,46	3.40	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	C7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	iA	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	bV	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	cJ	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	w4	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	dx	401	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aQ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	v3	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
29	PVN	bY	1004	-	43,46,46	2.11	9 (20%)	49,67,67	3.35	18 (36%)
26	PEB	ad	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	bu	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	gr	202	-	42,46,46	2.28	10 (23%)	37,67,67	2.62	9 (24%)
26	PEB	i2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	A2	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	d9	303	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	i4	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	aY	404	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	eN	202	-	43,46,46	1.97	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	b9	404	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	kR	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eZ	401	22	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	H9	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	n5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	H7	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	p2	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eM	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	F9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	bL	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	g4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	B8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ed	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	C2	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	fe	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	x7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gz	302	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	O2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	di	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	H6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	k3	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	cl	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	dv	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	cf	201	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	E9	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	T7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	el	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	U5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K9	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	P9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	P7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	iD	1002	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eQ	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	be	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bx	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	M8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bT	202	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dh	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	P6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	r9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	s5	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	dk	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	S9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aY	406	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Z2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	g8	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	m6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K7	202	-	43,46,46	1.66	4 (9%)	45,67,67	1.17	4 (8%)
28	PUB	O8	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	k2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	da	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ci	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	N4	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	h9	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	ez	1005	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	dC	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aZ	302	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	t7	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	w8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	f9	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	g9	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	ly	405	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	F4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	t1	201	-	42,46,46	3.44	18 (42%)	50,67,67	3.39	25 (50%)
26	PEB	c4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	R5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	iH	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	w2	203	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fk	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	jK	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	U3	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	U3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	y1	201	-	42,46,46	3.40	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	bE	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	aL	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Z9	1005	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	y6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aQ	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	eg	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	eP	203	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	fs	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Q6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fq	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cp	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	t5	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	S5	203	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	t8	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	ah	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	44	303	14	43,46,46	2.02	8 (18%)	49,67,67	3.49	18 (36%)
26	PEB	aJ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	Z4	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
28	PUB	c9	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	u8	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	ff	204	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	Z6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	B6	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	C3	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	fi	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	i7	201	-	43,46,46	1.73	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	L2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	v2	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	T2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	v7	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	m4	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fg	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	B5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	p2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	E2	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	en	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	X8	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c3	301	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	ey	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	L9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ev	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	y4	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	e5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aB	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	bP	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	eJ	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	j8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	el	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	ez	1003	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	S6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cW	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	U7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	D3	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	ey	1006	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	A5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aq	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	R6	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
28	PUB	z7	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	V8	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	le	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aM	202	10	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bW	301	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aV	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eY	402	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	O7	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	z7	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	A8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	ee	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	gz	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hV	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eH	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	G7	201	10	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	V3	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ad	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	D4	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	x9	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eM	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	N2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Q8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	B2	502	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	b5	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	w8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
27	CYC	m1	201	-	42,46,46	3.39	15 (35%)	50,67,67	3.13	25 (50%)
28	PUB	T8	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Y8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cL	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	r7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	S1	202	-	42,46,46	3.43	18 (42%)	50,67,67	3.40	25 (50%)
26	PEB	fy	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	g7	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fe	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	x7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	cc	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	a9	602	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	M4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c6	1003	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	ae	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	e6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	ah	202	-	43,46,46	1.97	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	Y9	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fm	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	w5	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	S3	203	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dw	401	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cv	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eh	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	aL	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	m3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	dG	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jP	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eb	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	m3	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	as	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	i3	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	T6	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fw	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cy	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eB	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	E8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bt	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	G3	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	bZ	305	-	42,46,46	2.30	10 (23%)	37,67,67	2.62	9 (24%)
26	PEB	kW	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ay	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dj	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	d6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	I8	201	11	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	aP	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	gw	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	Y6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	K1	201	-	42,46,46	3.39	14 (33%)	50,67,67	3.14	25 (50%)
28	PUB	cY	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	cj	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	n4	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	F2	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	p9	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	d2	101	5	42,46,46	3.40	14 (33%)	50,67,67	3.13	25 (50%)
28	PUB	M8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	Q7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	gl	202	10	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
29	PVN	Y5	1004	12	43,46,46	2.25	10 (23%)	49,67,67	3.53	18 (36%)
28	PUB	eJ	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	fu	202	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	fj	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	F7	202	11	42,46,46	2.29	9 (21%)	37,67,67	2.62	10 (27%)
26	PEB	Q9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	l7	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	ef	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	2 (4%)
26	PEB	cE	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	d8	302	14	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	r9	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	o6	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Z9	1007	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	de	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	ly	402	23	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bS	202	10	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	aR	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	hV	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	gk	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.50	6 (13%)
26	PEB	O5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	T4	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.60	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	G6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lc	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	F5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	al	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lc	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	G4	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	R6	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	O6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	hL	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
28	PUB	n5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	w9	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	h4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lf	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	D5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	j4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fm	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	eZ	404	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	e3	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	G8	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fs	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aJ	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dN	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	N7	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Q8	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hA	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	d7	202	11	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	G9	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	x7	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	eP	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	o2	1002	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	r3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	U8	1003	12	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bL	202	-	43,46,46	2.01	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	h2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	aU	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	U9	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	D4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	p6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	s8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	h2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	hI	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dt	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	v7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	B6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	H9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	b9	401	-	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	eD	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	kX	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	I6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Z7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	x6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	aF	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eW	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	f8	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	cd	202	18	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	hD	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eX	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	fi	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	C9	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ep	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	I2	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dS	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	bZ	304	-	43,46,46	1.94	9 (20%)	49,67,67	3.14	13 (26%)
28	PUB	eN	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	V2	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dV	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.60	9 (24%)
26	PEB	o2	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	a5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	j3	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	gy	306	-	42,46,46	2.28	9 (21%)	37,67,67	2.60	8 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	dD	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	B5	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ct	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
28	PUB	N9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	C3	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	C5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	P7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	aP	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ct	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	ff	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	cW	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	iB	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gs	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	D2	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	E3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	la	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	W5	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bC	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	V5	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	l4	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	lu	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	bZ	303	14	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	y6	203	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hK	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dP	201	-	43,46,46	1.69	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	P5	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	G7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	bY	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	A3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	v3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eU	201	-	43,46,46	1.73	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	k8	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cu	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	iE	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	k7	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	ee	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	t9	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	T9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eF	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	H3	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	af	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	kS	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
29	PVN	eZ	402	-	43,46,46	2.02	8 (18%)	49,67,67	3.88	17 (34%)
26	PEB	cU	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	Z5	304	-	43,46,46	2.03	8 (18%)	49,67,67	3.49	18 (36%)
26	PEB	N7	202	-	43,46,46	2.01	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ll	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	j2	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	t6	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	dC	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cM	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dP	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	J7	202	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	8 (21%)
28	PUB	n3	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	bN	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	w3	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	T5	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	aD	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	q7	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	w4	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	T3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	m5	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	Y3	202	-	43,46,46	1.63	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	F4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	T3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jO	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	H2	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	cv	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	L8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	r7	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	lz	405	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	T8	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	v2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	X4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Z9	1006	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	cF	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	jJ	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	jN	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	aL	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	S2	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	g6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hL	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	ac	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hJ	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
27	CYC	S1	201	-	42,46,46	3.44	18 (42%)	50,67,67	3.40	25 (50%)
29	PVN	hY	404	-	43,46,46	2.24	11 (25%)	49,67,67	3.54	18 (36%)
28	PUB	aJ	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.63	9 (24%)
26	PEB	fn	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	X9	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dF	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gi	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	g2	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	T6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	hJ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hO	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dY	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
28	PUB	cn	202	-	42,46,46	2.27	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	au	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cC	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	u8	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eq	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	gy	304	-	43,46,46	2.38	15 (34%)	49,67,67	2.08	13 (26%)
26	PEB	lm	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	eY	401	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	ls	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aZ	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aO	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	da	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	eT	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.63	9 (24%)
26	PEB	s9	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fl	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
28	PUB	df	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
28	PUB	iG	1002	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	n4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	g2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bR	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	aX	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	eD	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	q5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	s5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dO	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z5	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	dn	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	k2	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dw	402	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cO	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hY	405	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
27	CYC	M1	1001	-	42,46,46	3.44	18 (42%)	50,67,67	3.40	25 (50%)
26	PEB	hN	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	I4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	lz	403	-	43,46,46	1.89	8 (18%)	49,67,67	2.36	13 (26%)
26	PEB	cr	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	du	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	P4	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	kT	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	R2	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	s9	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	F6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	E7	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	hZ	404	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	f3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c8	301	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	ar	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	I3	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	bF	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	X2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	v6	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	iG	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Q4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	q1	201	-	42,46,46	3.40	14 (33%)	50,67,67	3.14	25 (50%)
26	PEB	gq	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fh	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	Z4	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	C7	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	R7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	b9	407	12	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	cH	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	fb	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bE	201	-	43,46,46	1.69	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	fm	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	x8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aR	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	o3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	G5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	bq	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	et	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.60	9 (24%)
29	PVN	U8	1004	-	43,46,46	1.98	7 (16%)	49,67,67	3.38	15 (30%)
26	PEB	a3	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	fv	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	bV	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	D4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dv	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	E8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	r3	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	m8	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	g4	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cT	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J7	201	11	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eL	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ca	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	34	1007	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dQ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	C2	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	cK	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dk	1002	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bH	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	T3	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	a3	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	u3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	A6	1001	10	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	aT	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	dx	404	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	f5	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	k4	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	O9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	v4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	o5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	iB	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	bj	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	R9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dg	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	J9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	bU	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	L4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dx	403	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bO	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	A7	201	-	43,46,46	1.63	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	n7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	Z2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	s7	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	W2	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aH	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	n6	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	p3	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.50	6 (13%)
26	PEB	n6	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	dj	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bZ	301	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lq	203	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	iC	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
28	PUB	z9	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	i6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	P7	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	U7	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	s4	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	b3	502	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ge	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.50	6 (13%)
28	PUB	jN	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	p9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	H5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	lh	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	gr	201	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	ab	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	aV	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	A5	203	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	u6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	D8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	n8	202	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
27	CYC	c1	201	-	42,46,46	3.44	18 (42%)	50,67,67	3.40	25 (50%)
26	PEB	jO	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	G2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hR	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	M7	1002	26	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aI	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	fo	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	gd	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
29	PVN	Z9	1004	12	43,46,46	1.98	7 (16%)	49,67,67	3.38	15 (30%)
28	PUB	X4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	B3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eg	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	B7	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	br	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Z3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dl	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	D9	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	ly	404	23	43,46,46	1.88	8 (18%)	49,67,67	2.35	13 (26%)
26	PEB	lk	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	bF	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	dU	202	-	43,46,46	1.66	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	dU	201	-	43,46,46	1.73	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dt	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	v9	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
27	CYC	L1	201	5	42,46,46	3.40	14 (33%)	50,67,67	3.14	25 (50%)
26	PEB	H6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lf	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	a2	902	8	42,46,46	3.44	18 (42%)	50,67,67	3.39	25 (50%)
26	PEB	e6	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	34	1004	12	43,46,46	2.25	11 (25%)	49,67,67	3.53	18 (36%)
28	PUB	lz	404	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	q3	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	kT	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	d7	201	-	43,46,46	1.69	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	f7	202	10	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	H4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dH	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	U9	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	V2	202	11	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	gz	303	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hF	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	bl	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dq	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	k3	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dw	406	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	p5	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
29	PVN	c8	303	14	43,46,46	1.92	7 (16%)	49,67,67	2.46	8 (16%)
26	PEB	gv	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	el	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Z5	305	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	lt	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	j9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	cF	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	ly	406	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dc	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eD	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bT	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	hP	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	eB	204	11	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
27	CYC	w1	201	-	42,46,46	3.38	14 (33%)	50,67,67	3.14	25 (50%)
26	PEB	hF	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	dq	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eo	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	B3	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	aW	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	t9	203	11	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	R5	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eO	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	b3	501	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l9	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l7	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	b6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cC	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Z5	302	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	D3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	C5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	T4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	u4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bK	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	E2	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	hX	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.50	6 (13%)
26	PEB	at	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	n9	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z7	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cp	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	fx	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l9	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	fn	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	er	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hH	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	p2	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	eg	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	y8	202	11	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	o4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	I6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	o4	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	R7	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	v6	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	u6	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	r7	202	11	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	A6	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	O3	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Z7	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	p4	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	Z4	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	dF	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	O4	1002	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	gi	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	lg	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	bQ	203	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	L2	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cA	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hJ	202	11	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	o9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	r6	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	h7	201	10	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	n7	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
29	PVN	gz	304	-	43,46,46	2.46	14 (32%)	49,67,67	2.45	18 (36%)
26	PEB	gm	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	c9	304	14	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	ly	401	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	H5	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
28	PUB	v9	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	t2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	gf	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	bZ	302	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	bQ	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	c5	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	c9	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bA	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bB	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	gn	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bt	202	10	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	s7	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jN	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bg	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	W4	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cq	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	gj	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aP	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	H4	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	N4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	hM	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	dx	407	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	cY	202	11	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	go	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	t3	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	n6	203	11	42,46,46	2.27	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	L9	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	d8	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	B8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	lx	201	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	eP	204	11	42,46,46	2.27	9 (21%)	37,67,67	2.60	8 (21%)
28	PUB	cL	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	lj	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	s6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dJ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gj	202	10	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	P3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	C6	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	A8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	iC	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	b8	1006	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
29	PVN	e8	303	-	43,46,46	1.96	9 (20%)	49,67,67	2.45	10 (20%)
26	PEB	g7	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	L6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	S5	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	e9	303	14	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	F5	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	lm	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	I1	201	4	42,46,46	3.40	15 (35%)	50,67,67	3.14	25 (50%)
26	PEB	cx	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	p8	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	hR	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	gy	305	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	eQ	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	eV	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eE	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	ck	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dM	1002	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	p7	202	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	l3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	B9	203	11	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
29	PVN	C2	303	-	43,46,46	2.07	10 (23%)	49,67,67	3.41	17 (34%)
28	PUB	jI	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	r3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	bz	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hH	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	fd	303	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	I8	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	du	203	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cA	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	ep	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	iH	1002	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	en	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ly	403	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	F2	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	h7	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	lh	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	hO	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	hU	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
27	CYC	a2	901	-	42,46,46	3.44	18 (42%)	50,67,67	3.40	25 (50%)
26	PEB	hD	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	N5	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	V4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	m8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eS	201	-	43,46,46	1.74	4 (9%)	45,67,67	1.55	9 (20%)
28	PUB	kU	1003	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	Q4	203	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c5	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	i3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bA	202	10	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	v2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	cw	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	bB	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	eL	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	Q9	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
28	PUB	e9	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	f2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	e2	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	co	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	eo	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	az	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	fo	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	b8	1002	12	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	az	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	do	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	n7	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	hG	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	e3	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	e8	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	H6	201	11	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	J4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Y5	1005	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	an	201	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	k8	203	-	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	z6	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	fc	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eW	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	eH	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	iD	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	N9	201	11	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	Q1	201	-	42,46,46	3.39	14 (33%)	50,67,67	3.14	25 (50%)
26	PEB	E5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	D5	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	A3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	v8	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	t6	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	li	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	aY	405	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	r5	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	kV	1003	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	j4	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	G9	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	f4	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	O3	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	ln	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	e9	304	-	43,46,46	1.96	9 (20%)	49,67,67	2.46	11 (22%)
26	PEB	X2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Y7	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	dl	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	M7	1001	26	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	V2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	X3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gn	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	aG	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	de	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lz	402	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	V1	201	7	42,46,46	3.40	14 (33%)	50,67,67	3.13	25 (50%)
26	PEB	M3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eC	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K5	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	S4	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	t6	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ez	1002	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	h2	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	O9	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	p4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	t7	201	11	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	G8	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	y8	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	fw	201	11	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	34	1002	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	E6	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aD	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	jP	1003	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	J5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	r2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dh	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	F5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
28	PUB	l2	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bK	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	S3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	jL	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	bL	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	z8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	gv	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	p4	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	A4	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	hM	1002	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	d3	303	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	hZ	405	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dH	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	gi	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	di	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bn	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	cq	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	c7	203	11	42,46,46	2.29	8 (19%)	37,67,67	2.61	9 (24%)
26	PEB	aj	202	18	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	i8	201	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	bR	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dV	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	gs	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
29	PVN	c3	303	-	43,46,46	2.07	10 (23%)	49,67,67	3.41	17 (34%)
26	PEB	v4	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	bz	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	gp	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	fr	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	A2	1001	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	E3	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	H4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	kU	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	a9	601	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	cO	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	hK	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	S6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	N2	201	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	eG	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	L3	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	U6	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	fi	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hE	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	y6	204	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	a6	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	f3	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	ee	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	c3	302	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dX	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	m5	1003	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	V4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	iE	1001	11	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	L9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	bS	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	K6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	A2	1003	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	B5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	T5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	b7	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	O5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bf	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fg	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	hL	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Q5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q8	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	e7	203	11	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	kX	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	dB	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	n2	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	b8	1003	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	l4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	db	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	lv	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	i9	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	y3	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	cQ	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	a3	1005	12	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
26	PEB	W8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cU	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	p8	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cC	1003	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hA	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	eR	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	M9	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	at	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	lw	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	jJ	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	B9	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	f2	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	r6	203	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	bw	202	10	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gy	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hH	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	J2	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	Y4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	u9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dQ	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
28	PUB	d3	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	l6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hY	406	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	T6	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	aZ	305	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	h3	201	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	E8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	u5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	3 (6%)
27	CYC	v1	201	-	42,46,46	3.44	18 (42%)	50,67,67	3.39	25 (50%)
28	PUB	en	203	11	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	L2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	jI	1002	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	X7	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	cE	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	cB	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	eT	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	df	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	gx	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	g8	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.60	9 (24%)
26	PEB	eI	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	aB	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	R9	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	ey	1004	-	43,46,46	1.99	9 (20%)	49,67,67	3.04	15 (30%)
26	PEB	v3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	N8	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gu	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	z5	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	gu	202	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	ar	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	o7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dR	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	hN	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	A9	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	k8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Y9	301	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	G4	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	D2	302	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	w2	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	gq	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	3 (6%)
26	PEB	bN	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q6	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	a6	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	aY	402	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	x8	202	10	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	Y9	304	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	8 (21%)
28	PUB	R4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	s2	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	G6	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	c6	1001	10	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	eA	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	T9	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	F8	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	A8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ew	301	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	cw	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ld	201	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	m2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	L5	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	y8	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	z3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	t4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	L5	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	iE	1002	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	I7	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	ed	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hY	401	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dx	402	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	dT	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aU	202	10	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	dO	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	F3	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	x4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	o5	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	T2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	r4	202	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	hC	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	i2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hC	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cm	1002	10	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	dh	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	K6	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	kU	1002	-	43,46,46	2.00	7 (16%)	45,67,67	1.52	6 (13%)
26	PEB	v4	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	dK	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	f2	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	ga	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hZ	402	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c7	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	J9	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	s3	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	Y7	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	eh	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	hE	1002	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	A2	1006	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	eb	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	8 (21%)
26	PEB	l8	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	z1	201	-	42,46,46	3.44	18 (42%)	50,67,67	3.40	25 (50%)
26	PEB	dn	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	J5	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	eu	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	i7	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.16	4 (8%)
26	PEB	eG	202	10	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	hT	204	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dJ	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	aE	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	fk	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
26	PEB	fh	1001	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	gg	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dR	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dd	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	w7	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	E9	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bP	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	ez	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	fc	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	dE	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	aT	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	eH	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	dg	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	H3	202	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	lt	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	V4	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	H3	201	-	43,46,46	1.69	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	D2	303	14	43,46,46	2.12	7 (16%)	49,67,67	2.81	19 (38%)
26	PEB	W6	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	c8	302	14	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	G2	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	t3	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	v5	202	-	43,46,46	2.00	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	e2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	hB	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
29	PVN	b8	1004	-	43,46,46	1.84	7 (16%)	49,67,67	2.88	11 (22%)
26	PEB	bP	202	-	43,46,46	2.01	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	lb	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	cD	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.16	3 (6%)
28	PUB	bs	1004	11	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
28	PUB	ln	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
26	PEB	B3	202	-	43,46,46	1.98	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	z2	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	es	202	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	es	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	cT	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	V9	203	-	42,46,46	2.29	9 (21%)	37,67,67	2.62	9 (24%)
28	PUB	ey	1005	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	n8	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
28	PUB	z4	203	-	42,46,46	2.28	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	M3	202	-	43,46,46	1.64	4 (9%)	45,67,67	1.17	4 (8%)
26	PEB	n2	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bm	1001	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	ft	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	h1	201	-	42,46,46	3.43	18 (42%)	50,67,67	3.39	25 (50%)
26	PEB	a8	602	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	H8	202	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	y6	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	a9	603	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
28	PUB	fy	202	-	42,46,46	2.28	9 (21%)	37,67,67	2.62	9 (24%)
26	PEB	p7	201	-	43,46,46	1.99	7 (16%)	45,67,67	1.51	6 (13%)
26	PEB	u2	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	q4	202	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	eq	201	-	43,46,46	1.70	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	bV	201	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
27	CYC	a1	201	-	42,46,46	3.40	14 (33%)	50,67,67	3.14	25 (50%)
26	PEB	kT	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.53	9 (20%)
28	PUB	ll	203	-	42,46,46	2.27	9 (21%)	37,67,67	2.61	9 (24%)
26	PEB	gc	201	-	43,46,46	1.72	4 (9%)	45,67,67	1.53	9 (20%)
26	PEB	kX	1001	-	43,46,46	1.71	4 (9%)	45,67,67	1.54	9 (20%)
26	PEB	dI	1002	-	43,46,46	1.70	4 (9%)	45,67,67	1.55	9 (20%)
26	PEB	as	202	-	43,46,46	1.65	4 (9%)	45,67,67	1.17	4 (8%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	y2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	L7	201	-	-	7/24/74/74	0/4/4/4
26	PEB	ea	202	-	-	8/24/74/74	0/4/4/4
26	PEB	g3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	V7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	aD	201	-	-	8/24/74/74	0/4/4/4
26	PEB	J3	202	-	-	7/24/74/74	0/4/4/4
28	PUB	Z7	203	11	-	7/24/74/74	0/4/4/4
26	PEB	W3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cG	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ev	201	11	-	8/24/74/74	0/4/4/4
28	PUB	x6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ai	201	-	-	8/24/74/74	0/4/4/4
26	PEB	f7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	au	202	-	-	8/24/74/74	0/4/4/4
26	PEB	kS	1001	-	-	8/24/74/74	0/4/4/4
27	CYC	n1	201	5	-	9/25/74/74	0/4/4/4
26	PEB	z6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	U4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	hX	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ge	201	-	-	8/24/74/74	0/4/4/4
27	CYC	u1	1001	4	-	9/25/74/74	0/4/4/4
26	PEB	eK	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dK	203	-	-	7/24/74/74	0/4/4/4
29	PVN	dx	405	12	1/1/14/18	13/24/74/74	0/4/4/4
28	PUB	eY	405	-	-	7/24/74/74	0/4/4/4
26	PEB	r8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	gk	203	-	-	7/24/74/74	0/4/4/4
26	PEB	h6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	li	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Q4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cL	201	-	-	8/24/74/74	0/4/4/4
26	PEB	u4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dV	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jM	1001	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	gb	1002	10	-	8/24/74/74	0/4/4/4
26	PEB	t4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	E4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	T8	301	-	-	8/24/74/74	0/4/4/4
28	PUB	dR	203	-	-	7/24/74/74	0/4/4/4
28	PUB	kW	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	bk	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aN	204	-	-	8/24/74/74	0/4/4/4
26	PEB	bG	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dd	203	-	-	7/24/74/74	0/4/4/4
26	PEB	j7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	ak	201	-	-	8/24/74/74	0/4/4/4
26	PEB	F8	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	O7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	eJ	202	-	-	7/24/74/74	0/4/4/4
28	PUB	a3	1006	-	-	7/24/74/74	0/4/4/4
26	PEB	e7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	hT	202	11	-	7/24/74/74	0/4/4/4
26	PEB	ec	201	-	-	8/24/74/74	0/4/4/4
26	PEB	li	202	-	-	8/24/74/74	0/4/4/4
26	PEB	S4	202	-	-	8/24/74/74	0/4/4/4
28	PUB	gt	203	-	-	7/24/74/74	0/4/4/4
28	PUB	ap	203	-	-	7/24/74/74	0/4/4/4
26	PEB	x9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bh	201	-	-	8/24/74/74	0/4/4/4
28	PUB	eR	203	11	-	7/24/74/74	0/4/4/4
28	PUB	at	203	11	-	7/24/74/74	0/4/4/4
28	PUB	v5	203	-	-	7/24/74/74	0/4/4/4
26	PEB	y7	201	-	-	8/24/74/74	0/4/4/4
28	PUB	T7	203	-	-	7/24/74/74	0/4/4/4
28	PUB	dp	203	-	-	7/24/74/74	0/4/4/4
26	PEB	aM	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cs	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q8	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	Z6	201	-	-	8/24/74/74	0/4/4/4
28	PUB	aN	203	-	-	7/24/74/74	0/4/4/4
26	PEB	y3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	e8	302	14	-	8/24/74/74	0/4/4/4
29	PVN	eY	403	-	1/1/14/18	17/24/74/74	0/4/4/4
26	PEB	a4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	Z3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	V6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	hI	202	-	-	8/24/74/74	0/4/4/4
26	PEB	K2	201	10	-	8/24/74/74	0/4/4/4
26	PEB	u7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	v7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	ga	202	-	-	7/24/74/74	0/4/4/4
28	PUB	bJ	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ag	201	-	-	8/24/74/74	0/4/4/4
27	CYC	Z1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	w7	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	s7	202	-	-	8/24/74/74	0/4/4/4
29	PVN	c9	303	-	1/1/14/18	15/24/74/74	0/4/4/4
26	PEB	X5	401	-	-	8/24/74/74	0/4/4/4
28	PUB	h8	203	-	-	7/24/74/74	0/4/4/4
28	PUB	X7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	S3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ej	202	-	-	8/24/74/74	0/4/4/4
28	PUB	c6	1004	-	-	7/24/74/74	0/4/4/4
26	PEB	bX	401	-	-	8/24/74/74	0/4/4/4
26	PEB	aw	201	-	-	8/24/74/74	0/4/4/4
28	PUB	J3	203	11	-	7/24/74/74	0/4/4/4
26	PEB	D7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cN	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cg	201	-	-	8/24/74/74	0/4/4/4
26	PEB	x3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	N6	202	-	-	8/24/74/74	0/4/4/4
29	PVN	aY	403	-	1/1/14/18	14/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	dW	201	-	-	8/24/74/74	0/4/4/4
26	PEB	N6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	R9	202	11	-	7/24/74/74	0/4/4/4
26	PEB	C2	302	-	-	8/24/74/74	0/4/4/4
26	PEB	D8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	V5	203	-	-	7/24/74/74	0/4/4/4
26	PEB	lo	202	-	-	8/24/74/74	0/4/4/4
28	PUB	cN	202	-	-	7/24/74/74	0/4/4/4
26	PEB	dc	203	-	-	8/24/74/74	0/4/4/4
26	PEB	ff	201	-	-	8/24/74/74	0/4/4/4
28	PUB	R5	203	-	-	7/24/74/74	0/4/4/4
26	PEB	t3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	f6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	al	202	-	-	7/24/74/74	0/4/4/4
26	PEB	P8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	lp	203	-	-	7/24/74/74	0/4/4/4
28	PUB	V7	203	11	-	7/24/74/74	0/4/4/4
26	PEB	do	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dZ	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	U2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	d9	302	-	-	8/24/74/74	0/4/4/4
27	CYC	o1	1001	-	-	9/25/74/74	0/4/4/4
26	PEB	44	302	-	-	8/24/74/74	0/4/4/4
26	PEB	M5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cV	203	-	-	8/24/74/74	0/4/4/4
26	PEB	df	201	-	-	8/24/74/74	0/4/4/4
26	PEB	iC	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	bN	203	-	-	7/24/74/74	0/4/4/4
26	PEB	gg	201	-	-	8/24/74/74	0/4/4/4
26	PEB	n4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jI	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	lv	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fc	202	-	-	7/24/74/74	0/4/4/4
26	PEB	iA	1002	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	S5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	I5	202	-	-	8/24/74/74	0/4/4/4
28	PUB	e8	304	-	-	7/24/74/74	0/4/4/4
26	PEB	Q5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aa	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	lr	201	-	-	8/24/74/74	0/4/4/4
28	PUB	hT	203	-	-	7/24/74/74	0/4/4/4
28	PUB	lb	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Q3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cP	201	-	-	8/24/74/74	0/4/4/4
26	PEB	P2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	k9	201	-	-	8/24/74/74	0/4/4/4
28	PUB	ld	203	-	-	7/24/74/74	0/4/4/4
26	PEB	iF	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	bD	201	-	-	8/24/74/74	0/4/4/4
26	PEB	v8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	U8	1001	-	-	8/24/74/74	0/4/4/4
29	PVN	hZ	403	-	1/1/14/18	12/24/74/74	0/4/4/4
26	PEB	lk	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eV	202	-	-	7/24/74/74	0/4/4/4
27	CYC	P1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	aI	202	10	-	8/24/74/74	0/4/4/4
28	PUB	t4	203	-	-	7/24/74/74	0/4/4/4
28	PUB	cr	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ao	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cH	201	-	-	7/24/74/74	0/4/4/4
26	PEB	H7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	m7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	f8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	z9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	X2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	dN	201	-	-	8/24/74/74	0/4/4/4
26	PEB	M4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	m9	1001	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	r5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	C9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	J2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	E4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	j6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	D9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	y4	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	ei	201	-	-	8/24/74/74	0/4/4/4
26	PEB	M6	1001	10	-	8/24/74/74	0/4/4/4
26	PEB	F6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cS	202	-	-	8/24/74/74	0/4/4/4
28	PUB	bY	1005	-	-	7/24/74/74	0/4/4/4
26	PEB	dp	201	-	-	8/24/74/74	0/4/4/4
28	PUB	c3	305	-	-	7/24/74/74	0/4/4/4
26	PEB	bO	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aS	202	10	-	8/24/74/74	0/4/4/4
27	CYC	d1	1001	-	-	9/25/74/74	0/4/4/4
26	PEB	m2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	t2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	N5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bv	202	10	-	8/24/74/74	0/4/4/4
26	PEB	eS	202	10	-	8/24/74/74	0/4/4/4
26	PEB	ek	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	aF	202	-	-	7/24/74/74	0/4/4/4
26	PEB	hG	201	-	-	7/24/74/74	0/4/4/4
28	PUB	kR	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	V5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eP	201	-	-	8/24/74/74	0/4/4/4
29	PVN	d3	302	-	1/1/14/18	18/24/74/74	0/4/4/4
26	PEB	c6	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	j6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	lq	202	-	-	8/24/74/74	0/4/4/4
28	PUB	jM	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	cb	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	I7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	B1	301	-	-	7/24/74/74	0/4/4/4
26	PEB	ds	202	-	-	8/24/74/74	0/4/4/4
26	PEB	J6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	d9	301	-	-	8/24/74/74	0/4/4/4
26	PEB	t9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	jM	1002	-	-	7/24/74/74	0/4/4/4
28	PUB	ga	203	-	-	7/24/74/74	0/4/4/4
26	PEB	gv	202	-	-	7/24/74/74	0/4/4/4
26	PEB	h8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eO	202	-	-	8/24/74/74	0/4/4/4
26	PEB	gg	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cB	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dK	201	-	-	8/24/74/74	0/4/4/4
26	PEB	F7	201	-	-	7/24/74/74	0/4/4/4
26	PEB	cX	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cb	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cM	202	-	-	8/24/74/74	0/4/4/4
26	PEB	C4	1001	-	-	8/24/74/74	0/4/4/4
27	CYC	g1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	q6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aC	201	-	-	8/24/74/74	0/4/4/4
28	PUB	hB	203	-	-	7/24/74/74	0/4/4/4
26	PEB	iD	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	cz	202	-	-	7/24/74/74	0/4/4/4
26	PEB	j7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	Y3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	em	201	-	-	8/24/74/74	0/4/4/4
28	PUB	Y5	1006	-	-	7/24/74/74	0/4/4/4
28	PUB	x3	203	11	-	7/24/74/74	0/4/4/4
26	PEB	cJ	201	-	-	8/24/74/74	0/4/4/4
26	PEB	kQ	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	N6	203	-	-	7/24/74/74	0/4/4/4
28	PUB	cq	203	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	A4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	e9	301	-	-	8/24/74/74	0/4/4/4
28	PUB	D6	202	11	-	7/24/74/74	0/4/4/4
26	PEB	la	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	I2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gy	303	-	-	8/24/74/74	0/4/4/4
26	PEB	d8	301	-	-	8/24/74/74	0/4/4/4
26	PEB	dd	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dm	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dA	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eF	202	-	-	8/24/74/74	0/4/4/4
26	PEB	fx	202	10	-	8/24/74/74	0/4/4/4
26	PEB	aq	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ln	202	-	-	7/24/74/74	0/4/4/4
26	PEB	gk	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gt	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jJ	1002	11	-	7/24/74/74	0/4/4/4
26	PEB	S7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	lt	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dx	406	-	-	7/24/74/74	0/4/4/4
26	PEB	br	202	-	-	8/24/74/74	0/4/4/4
26	PEB	b9	403	12	-	8/24/74/74	0/4/4/4
26	PEB	z4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	w9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	v5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	a6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lu	201	-	-	8/24/74/74	0/4/4/4
27	CYC	e1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	kW	1002	-	-	7/24/74/74	0/4/4/4
27	CYC	G1	1001	-	-	9/25/74/74	0/4/4/4
27	CYC	J1	201	5	-	10/25/74/74	0/4/4/4
28	PUB	y7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cx	202	10	-	8/24/74/74	0/4/4/4
26	PEB	gc	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	y9	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	p6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	v6	202	-	-	8/24/74/74	0/4/4/4
28	PUB	I8	203	-	-	7/24/74/74	0/4/4/4
26	PEB	X4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	U8	1005	-	-	7/24/74/74	0/4/4/4
26	PEB	M8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	fq	203	-	-	7/24/74/74	0/4/4/4
26	PEB	k7	1001	10	-	8/24/74/74	0/4/4/4
26	PEB	H8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	l2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	dF	202	-	-	8/24/74/74	0/4/4/4
26	PEB	X6	202	-	-	7/24/74/74	0/4/4/4
28	PUB	V6	203	-	-	7/24/74/74	0/4/4/4
28	PUB	aH	203	-	-	7/24/74/74	0/4/4/4
26	PEB	r6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	hP	201	-	-	8/24/74/74	0/4/4/4
26	PEB	du	202	-	-	8/24/74/74	0/4/4/4
28	PUB	D9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	P4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	U8	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	ge	203	-	-	7/24/74/74	0/4/4/4
28	PUB	dw	405	-	-	7/24/74/74	0/4/4/4
26	PEB	aY	401	-	-	8/24/74/74	0/4/4/4
26	PEB	go	202	10	-	8/24/74/74	0/4/4/4
26	PEB	bn	201	-	-	8/24/74/74	0/4/4/4
26	PEB	S2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	K7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	P2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	y2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dI	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	fl	201	-	-	8/24/74/74	0/4/4/4
28	PUB	x5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cO	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	ea	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dH	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lp	201	-	-	8/24/74/74	0/4/4/4
26	PEB	a3	1003	-	-	8/24/74/74	0/4/4/4
26	PEB	aT	202	-	-	8/24/74/74	0/4/4/4
26	PEB	V7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	s6	202	-	-	8/24/74/74	0/4/4/4
29	PVN	A2	1004	-	1/1/14/18	15/24/74/74	0/4/4/4
26	PEB	D6	201	11	-	8/24/74/74	0/4/4/4
26	PEB	M2	202	10	-	8/24/74/74	0/4/4/4
26	PEB	I4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cG	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hY	402	-	-	8/24/74/74	0/4/4/4
27	CYC	U1	201	5	-	9/25/74/74	0/4/4/4
26	PEB	a8	601	-	-	8/24/74/74	0/4/4/4
26	PEB	g6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aK	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	dL	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gh	201	-	-	8/24/74/74	0/4/4/4
27	CYC	p1	201	-	-	10/25/74/74	0/4/4/4
28	PUB	D5	203	11	-	7/24/74/74	0/4/4/4
28	PUB	ec	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cP	202	-	-	8/24/74/74	0/4/4/4
26	PEB	jP	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	aB	202	-	-	8/24/74/74	0/4/4/4
28	PUB	X3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cR	201	-	-	8/24/74/74	0/4/4/4
26	PEB	v9	201	-	-	8/24/74/74	0/4/4/4
28	PUB	Z5	306	-	-	7/24/74/74	0/4/4/4
26	PEB	lp	202	-	-	7/24/74/74	0/4/4/4
26	PEB	b9	402	-	-	8/24/74/74	0/4/4/4
26	PEB	lb	201	-	-	8/24/74/74	0/4/4/4
26	PEB	C6	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	h6	201	10	-	8/24/74/74	0/4/4/4
26	PEB	cD	201	-	-	8/24/74/74	0/4/4/4
26	PEB	j2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bd	201	18	-	8/24/74/74	0/4/4/4
28	PUB	cz	203	-	-	7/24/74/74	0/4/4/4
28	PUB	U8	1006	-	-	7/24/74/74	0/4/4/4
26	PEB	p8	202	-	-	7/24/74/74	0/4/4/4
28	PUB	cs	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hQ	202	-	-	8/24/74/74	0/4/4/4
26	PEB	lw	202	-	-	8/24/74/74	0/4/4/4
28	PUB	d6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	lr	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bM	202	10	-	8/24/74/74	0/4/4/4
26	PEB	M6	1002	10	-	8/24/74/74	0/4/4/4
26	PEB	F9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cr	201	-	-	8/24/74/74	0/4/4/4
26	PEB	B9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	D2	301	-	-	8/24/74/74	0/4/4/4
26	PEB	Q6	202	-	-	8/24/74/74	0/4/4/4
28	PUB	B7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	er	202	-	-	7/24/74/74	0/4/4/4
26	PEB	le	202	-	-	8/24/74/74	0/4/4/4
26	PEB	gb	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	E5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	d5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	f9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	G5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	w5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	C8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hT	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ek	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	L4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	E7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bd	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	hD	203	-	-	7/24/74/74	0/4/4/4
26	PEB	F3	202	-	-	7/24/74/74	0/4/4/4
28	PUB	x4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	t7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	eN	201	-	-	8/24/74/74	0/4/4/4
28	PUB	P6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	W3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	j3	201	-	-	7/24/74/74	0/4/4/4
26	PEB	bs	1003	-	-	8/24/74/74	0/4/4/4
28	PUB	H2	202	11	-	7/24/74/74	0/4/4/4
26	PEB	aH	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ay	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	z8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cK	202	-	-	8/24/74/74	0/4/4/4
26	PEB	f8	202	-	-	8/24/74/74	0/4/4/4
28	PUB	gz	306	-	-	7/24/74/74	0/4/4/4
28	PUB	c3	304	-	-	7/24/74/74	0/4/4/4
26	PEB	s4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fz	301	-	-	8/24/74/74	0/4/4/4
26	PEB	i3	203	-	-	7/24/74/74	0/4/4/4
28	PUB	D7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cl	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aS	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cn	201	-	-	7/24/74/74	0/4/4/4
26	PEB	o3	202	10	-	8/24/74/74	0/4/4/4
26	PEB	az	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bU	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dc	202	-	-	8/24/74/74	0/4/4/4
26	PEB	di	202	-	-	7/24/74/74	0/4/4/4
26	PEB	C4	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	M7	1003	-	-	8/24/74/74	0/4/4/4
26	PEB	B2	501	-	-	8/24/74/74	0/4/4/4
26	PEB	O8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cB	202	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	s3	202	-	-	8/24/74/74	0/4/4/4
28	PUB	fj	203	11	-	7/24/74/74	0/4/4/4
26	PEB	kQ	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	N3	201	-	-	8/24/74/74	0/4/4/4
28	PUB	R3	203	-	-	7/24/74/74	0/4/4/4
28	PUB	X6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cV	202	10	-	8/24/74/74	0/4/4/4
26	PEB	aW	302	-	-	8/24/74/74	0/4/4/4
26	PEB	dL	202	-	-	7/24/74/74	0/4/4/4
26	PEB	aE	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ej	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aj	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fa	201	-	-	8/24/74/74	0/4/4/4
26	PEB	a7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	A9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	u5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gl	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gn	201	-	-	8/24/74/74	0/4/4/4
26	PEB	x3	201	-	-	8/24/74/74	0/4/4/4
28	PUB	N2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	A5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	y7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	lo	201	10	-	8/24/74/74	0/4/4/4
26	PEB	w6	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	lh	201	11	-	8/24/74/74	0/4/4/4
27	CYC	Y1	201	-	-	10/25/74/74	0/4/4/4
26	PEB	gx	202	-	-	7/24/74/74	0/4/4/4
28	PUB	cP	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Z8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	P2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	N4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	h9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Z9	1003	12	-	8/24/74/74	0/4/4/4
26	PEB	bb	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	cE	203	-	-	7/24/74/74	0/4/4/4
28	PUB	F4	203	-	-	7/24/74/74	0/4/4/4
28	PUB	ar	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cZ	202	-	-	8/24/74/74	0/4/4/4
28	PUB	bD	203	-	-	7/24/74/74	0/4/4/4
26	PEB	i5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	p3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cy	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	H9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	db	201	-	-	8/24/74/74	0/4/4/4
28	PUB	N5	203	-	-	7/24/74/74	0/4/4/4
28	PUB	H7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	R4	202	-	-	8/24/74/74	0/4/4/4
28	PUB	dN	203	-	-	7/24/74/74	0/4/4/4
26	PEB	M5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Z9	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	fo	201	-	-	8/24/74/74	0/4/4/4
26	PEB	T9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	B6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Z3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	z2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aA	201	-	-	8/24/74/74	0/4/4/4
26	PEB	I5	201	-	-	8/24/74/74	0/4/4/4
28	PUB	ei	203	-	-	7/24/74/74	0/4/4/4
26	PEB	g5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bl	202	-	-	8/24/74/74	0/4/4/4
26	PEB	Q3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bC	202	-	-	8/24/74/74	0/4/4/4
26	PEB	u6	201	10	-	8/24/74/74	0/4/4/4
28	PUB	44	304	-	-	7/24/74/74	0/4/4/4
26	PEB	T2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	fq	201	-	-	8/24/74/74	0/4/4/4
26	PEB	l6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	K5	1001	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	e6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	Y2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	hW	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Y2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	t8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	E6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ao	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eA	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	m7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	L8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	c7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	et	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bx	201	-	-	8/24/74/74	0/4/4/4
26	PEB	by	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	an	202	-	-	7/24/74/74	0/4/4/4
27	CYC	b2	1001	8	-	10/25/74/74	0/4/4/4
26	PEB	I9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ll	202	-	-	7/24/74/74	0/4/4/4
26	PEB	N3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	gw	201	-	-	8/24/74/74	0/4/4/4
28	PUB	J6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	dl	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dM	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	U5	202	-	-	8/24/74/74	0/4/4/4
29	PVN	aZ	303	-	1/1/14/18	14/24/74/74	0/4/4/4
28	PUB	F3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	eB	203	-	-	7/24/74/74	0/4/4/4
26	PEB	kV	1002	-	-	7/24/74/74	0/4/4/4
28	PUB	eV	203	-	-	7/24/74/74	0/4/4/4
28	PUB	t2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	b6	202	-	-	8/24/74/74	0/4/4/4
28	PUB	ax	202	-	-	7/24/74/74	0/4/4/4
26	PEB	O4	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	K8	203	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	ev	203	11	-	7/24/74/74	0/4/4/4
26	PEB	u3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	D3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bH	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Y7	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	Q7	201	-	-	8/24/74/74	0/4/4/4
28	PUB	P4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	o8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aC	202	-	-	8/24/74/74	0/4/4/4
26	PEB	co	201	-	-	7/24/74/74	0/4/4/4
28	PUB	cM	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bv	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fr	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bs	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	gm	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	x2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	U4	202	-	-	8/24/74/74	0/4/4/4
29	PVN	ez	1004	-	1/1/14/18	15/24/74/74	0/4/4/4
26	PEB	dr	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hB	202	-	-	7/24/74/74	0/4/4/4
26	PEB	B4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	X6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	24	401	-	-	8/24/74/74	0/4/4/4
26	PEB	l7	202	-	-	7/24/74/74	0/4/4/4
28	PUB	n9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	fu	201	-	-	7/24/74/74	0/4/4/4
26	PEB	ch	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bI	202	10	-	8/24/74/74	0/4/4/4
26	PEB	kV	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	R6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ey	1003	-	-	8/24/74/74	0/4/4/4
26	PEB	w8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ft	202	-	-	8/24/74/74	0/4/4/4
27	CYC	j1	201	-	-	10/25/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	bq	203	11	-	7/24/74/74	0/4/4/4
28	PUB	P5	202	-	-	7/24/74/74	0/4/4/4
28	PUB	l6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	V9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bG	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cz	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gp	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ce	201	-	-	8/24/74/74	0/4/4/4
28	PUB	x9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	e4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lz	401	23	-	8/24/74/74	0/4/4/4
28	PUB	L6	202	-	-	7/24/74/74	0/4/4/4
26	PEB	q7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lw	203	-	-	7/24/74/74	0/4/4/4
26	PEB	C8	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bs	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	hY	403	-	-	8/24/74/74	0/4/4/4
28	PUB	bY	1006	-	-	7/24/74/74	0/4/4/4
28	PUB	L7	202	-	-	7/24/74/74	0/4/4/4
28	PUB	V3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	dT	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ld	202	-	-	7/24/74/74	0/4/4/4
26	PEB	ap	202	11	-	7/24/74/74	0/4/4/4
26	PEB	O2	202	-	-	8/24/74/74	0/4/4/4
29	PVN	b9	405	-	1/1/14/18	17/24/74/74	0/4/4/4
26	PEB	hZ	401	-	-	8/24/74/74	0/4/4/4
28	PUB	n2	203	-	-	7/24/74/74	0/4/4/4
28	PUB	er	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Y8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	z3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	eR	202	-	-	8/24/74/74	0/4/4/4
28	PUB	l3	202	-	-	7/24/74/74	0/4/4/4
28	PUB	F2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	d6	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	L4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	lg	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ei	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bo	201	-	-	8/24/74/74	0/4/4/4
26	PEB	P9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	fb	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dp	202	-	-	8/24/74/74	0/4/4/4
26	PEB	hW	202	-	-	8/24/74/74	0/4/4/4
26	PEB	g3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	r4	201	11	-	7/24/74/74	0/4/4/4
28	PUB	hP	203	-	-	7/24/74/74	0/4/4/4
26	PEB	u7	202	-	-	8/24/74/74	0/4/4/4
28	PUB	44	305	-	-	7/24/74/74	0/4/4/4
26	PEB	B4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	fw	203	-	-	7/24/74/74	0/4/4/4
28	PUB	r2	203	-	-	7/24/74/74	0/4/4/4
28	PUB	fa	202	-	-	7/24/74/74	0/4/4/4
27	CYC	R1	1001	-	-	9/25/74/74	0/4/4/4
26	PEB	Y5	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	R7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	x6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	K4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	W7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	cI	201	-	-	8/24/74/74	0/4/4/4
26	PEB	l2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	W4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aX	402	11	-	8/24/74/74	0/4/4/4
26	PEB	cI	202	-	-	8/24/74/74	0/4/4/4
26	PEB	N8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ep	202	-	-	7/24/74/74	0/4/4/4
26	PEB	44	301	-	-	8/24/74/74	0/4/4/4
26	PEB	h8	202	11	-	7/24/74/74	0/4/4/4
26	PEB	w6	1002	10	-	8/24/74/74	0/4/4/4
27	CYC	b1	1001	-	-	9/25/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	cj	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dW	202	-	-	8/24/74/74	0/4/4/4
26	PEB	m5	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	av	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dz	401	-	-	8/24/74/74	0/4/4/4
28	PUB	N3	203	-	-	7/24/74/74	0/4/4/4
28	PUB	dL	203	-	-	7/24/74/74	0/4/4/4
26	PEB	K8	201	-	-	8/24/74/74	0/4/4/4
27	CYC	H1	201	-	-	10/25/74/74	0/4/4/4
26	PEB	ax	201	-	-	7/24/74/74	0/4/4/4
26	PEB	R2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	a7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	w2	202	-	-	8/24/74/74	0/4/4/4
28	PUB	bZ	306	-	-	7/24/74/74	0/4/4/4
26	PEB	fj	201	-	-	8/24/74/74	0/4/4/4
28	PUB	T8	305	-	-	7/24/74/74	0/4/4/4
26	PEB	R3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	Z9	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	hR	201	-	-	8/24/74/74	0/4/4/4
26	PEB	R3	201	-	-	8/24/74/74	0/4/4/4
28	PUB	e9	306	-	-	7/24/74/74	0/4/4/4
26	PEB	bB	202	-	-	7/24/74/74	0/4/4/4
28	PUB	o8	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Q2	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	P3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	ef	201	-	-	8/24/74/74	0/4/4/4
26	PEB	af	201	-	-	8/24/74/74	0/4/4/4
26	PEB	n5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	Z5	301	-	-	8/24/74/74	0/4/4/4
28	PUB	lr	203	-	-	7/24/74/74	0/4/4/4
28	PUB	hV	203	-	-	7/24/74/74	0/4/4/4
26	PEB	M2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	o6	201	10	-	8/24/74/74	0/4/4/4
26	PEB	M9	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	aA	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dy	401	-	-	8/24/74/74	0/4/4/4
26	PEB	bp	201	-	-	8/24/74/74	0/4/4/4
26	PEB	J9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	K9	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	C8	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bw	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dX	203	-	-	7/24/74/74	0/4/4/4
28	PUB	b8	1005	12	-	7/24/74/74	0/4/4/4
28	PUB	eX	202	-	-	7/24/74/74	0/4/4/4
26	PEB	A1	301	1	-	7/24/74/74	0/4/4/4
26	PEB	T7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	aK	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	K3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fv	201	-	-	8/24/74/74	0/4/4/4
28	PUB	d7	203	11	-	7/24/74/74	0/4/4/4
26	PEB	e7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ba	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	w3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	h4	201	-	-	8/24/74/74	0/4/4/4
27	CYC	f1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	aN	202	-	-	8/24/74/74	0/4/4/4
26	PEB	by	1002	10	-	8/24/74/74	0/4/4/4
26	PEB	G8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ea	203	-	-	7/24/74/74	0/4/4/4
26	PEB	eE	201	-	-	8/24/74/74	0/4/4/4
28	PUB	C2	304	-	-	7/24/74/74	0/4/4/4
26	PEB	hQ	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dj	203	-	-	7/24/74/74	0/4/4/4
26	PEB	F9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	P6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	gy	302	-	-	8/24/74/74	0/4/4/4
28	PUB	iF	1003	11	-	7/24/74/74	0/4/4/4
26	PEB	bJ	202	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	S9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	34	1003	-	-	8/24/74/74	0/4/4/4
28	PUB	p9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	m6	202	-	-	8/24/74/74	0/4/4/4
29	PVN	d8	303	14	1/1/14/18	14/24/74/74	0/4/4/4
26	PEB	W6	201	-	-	8/24/74/74	0/4/4/4
28	PUB	L5	203	-	-	7/24/74/74	0/4/4/4
27	CYC	X1	201	-	-	9/25/74/74	0/4/4/4
28	PUB	dn	203	-	-	7/24/74/74	0/4/4/4
29	PVN	dw	404	-	1/1/14/18	14/24/74/74	0/4/4/4
26	PEB	Z5	303	-	-	8/24/74/74	0/4/4/4
28	PUB	z3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	iF	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	Y5	1003	12	-	8/24/74/74	0/4/4/4
28	PUB	p5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	34	1001	-	-	7/24/74/74	0/4/4/4
26	PEB	N9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	hS	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dZ	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	x5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cd	201	18	-	8/24/74/74	0/4/4/4
28	PUB	kS	1003	-	-	7/24/74/74	0/4/4/4
28	PUB	b6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cR	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bz	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bX	402	-	-	8/24/74/74	0/4/4/4
26	PEB	eU	202	-	-	8/24/74/74	0/4/4/4
26	PEB	F6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	J6	202	-	-	7/24/74/74	0/4/4/4
26	PEB	dr	202	11	-	8/24/74/74	0/4/4/4
26	PEB	x2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	O6	202	-	-	8/24/74/74	0/4/4/4
28	PUB	D2	304	-	-	7/24/74/74	0/4/4/4
26	PEB	J4	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	cX	202	-	-	8/24/74/74	0/4/4/4
26	PEB	n3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eK	202	-	-	8/24/74/74	0/4/4/4
28	PUB	34	1005	-	-	7/24/74/74	0/4/4/4
26	PEB	K8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	L3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ch	202	-	-	7/24/74/74	0/4/4/4
28	PUB	gx	203	-	-	7/24/74/74	0/4/4/4
26	PEB	O8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dX	202	-	-	8/24/74/74	0/4/4/4
29	PVN	Y9	303	-	1/1/14/18	15/24/74/74	0/4/4/4
28	PUB	p3	203	-	-	7/24/74/74	0/4/4/4
28	PUB	cJ	203	-	-	7/24/74/74	0/4/4/4
26	PEB	lq	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dD	203	-	-	7/24/74/74	0/4/4/4
26	PEB	h5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	s2	201	-	-	8/24/74/74	0/4/4/4
28	PUB	lf	203	-	-	7/24/74/74	0/4/4/4
26	PEB	e4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	t5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bD	202	-	-	7/24/74/74	0/4/4/4
26	PEB	f6	201	10	-	8/24/74/74	0/4/4/4
26	PEB	dm	202	-	-	8/24/74/74	0/4/4/4
28	PUB	bo	202	-	-	7/24/74/74	0/4/4/4
28	PUB	dB	202	-	-	7/24/74/74	0/4/4/4
28	PUB	jL	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	L3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cu	201	-	-	8/24/74/74	0/4/4/4
26	PEB	k6	1001	10	-	8/24/74/74	0/4/4/4
26	PEB	z9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bu	201	-	-	8/24/74/74	0/4/4/4
26	PEB	f3	202	-	-	7/24/74/74	0/4/4/4
28	PUB	aV	203	-	-	7/24/74/74	0/4/4/4
29	PVN	d9	304	14	1/1/14/18	14/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	y5	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	S8	401	11	-	8/24/74/74	0/4/4/4
26	PEB	N7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bY	1003	-	-	8/24/74/74	0/4/4/4
26	PEB	dY	201	-	-	8/24/74/74	0/4/4/4
26	PEB	V3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bM	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bq	202	-	-	8/24/74/74	0/4/4/4
26	PEB	fp	202	-	-	8/24/74/74	0/4/4/4
28	PUB	P9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	fp	201	-	-	8/24/74/74	0/4/4/4
27	CYC	N1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	k5	201	-	-	8/24/74/74	0/4/4/4
28	PUB	jO	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	e8	301	-	-	8/24/74/74	0/4/4/4
26	PEB	et	202	-	-	7/24/74/74	0/4/4/4
28	PUB	aZ	304	-	-	7/24/74/74	0/4/4/4
26	PEB	Y5	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	av	202	-	-	7/24/74/74	0/4/4/4
26	PEB	G3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	Y4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dY	202	-	-	7/24/74/74	0/4/4/4
26	PEB	kR	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	cs	202	-	-	7/24/74/74	0/4/4/4
26	PEB	j8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	lj	201	-	-	8/24/74/74	0/4/4/4
26	PEB	r2	201	-	-	8/24/74/74	0/4/4/4
27	CYC	r1	201	-	-	10/25/74/74	0/4/4/4
28	PUB	dt	203	-	-	7/24/74/74	0/4/4/4
26	PEB	W3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	lo	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bH	202	-	-	7/24/74/74	0/4/4/4
28	PUB	b9	406	12	-	7/24/74/74	0/4/4/4
28	PUB	h3	202	11	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	u9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	r9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dG	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q9	202	-	-	8/24/74/74	0/4/4/4
28	PUB	Y9	305	-	-	7/24/74/74	0/4/4/4
26	PEB	jL	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	j5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	j5	201	-	-	8/24/74/74	0/4/4/4
28	PUB	d9	305	-	-	7/24/74/74	0/4/4/4
26	PEB	aw	202	-	-	8/24/74/74	0/4/4/4
26	PEB	g5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bj	202	-	-	8/24/74/74	0/4/4/4
28	PUB	cR	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bQ	201	-	-	8/24/74/74	0/4/4/4
26	PEB	y9	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	em	202	-	-	8/24/74/74	0/4/4/4
28	PUB	c8	305	-	-	7/24/74/74	0/4/4/4
26	PEB	W2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cV	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ff	202	-	-	7/24/74/74	0/4/4/4
26	PEB	U6	201	10	-	8/24/74/74	0/4/4/4
26	PEB	b8	1001	12	-	8/24/74/74	0/4/4/4
26	PEB	P8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ds	201	-	-	8/24/74/74	0/4/4/4
26	PEB	n3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	dA	202	-	-	8/24/74/74	0/4/4/4
26	PEB	am	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	r8	202	-	-	8/24/74/74	0/4/4/4
28	PUB	j2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	i6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	gt	202	-	-	7/24/74/74	0/4/4/4
26	PEB	o8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	S7	202	-	-	8/24/74/74	0/4/4/4
27	CYC	i1	1001	-	-	9/25/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	dP	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hN	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dw	403	-	-	8/24/74/74	0/4/4/4
26	PEB	c9	302	-	-	8/24/74/74	0/4/4/4
26	PEB	cm	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	bi	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cQ	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dr	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bh	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aR	201	-	-	8/24/74/74	0/4/4/4
28	PUB	kQ	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	l5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cZ	201	-	-	8/24/74/74	0/4/4/4
28	PUB	J4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ab	202	-	-	7/24/74/74	0/4/4/4
26	PEB	K3	202	-	-	8/24/74/74	0/4/4/4
28	PUB	eY	404	-	-	7/24/74/74	0/4/4/4
26	PEB	V6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	c4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	eZ	403	-	-	7/24/74/74	0/4/4/4
26	PEB	W8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bY	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	dT	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hX	201	-	-	8/24/74/74	0/4/4/4
26	PEB	r5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bF	201	-	-	8/24/74/74	0/4/4/4
26	PEB	I3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dz	402	-	-	8/24/74/74	0/4/4/4
26	PEB	R4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	bp	202	-	-	7/24/74/74	0/4/4/4
26	PEB	Q8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bI	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eC	201	-	-	8/24/74/74	0/4/4/4
28	PUB	t5	203	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	cp	203	-	-	7/24/74/74	0/4/4/4
26	PEB	d3	301	-	-	8/24/74/74	0/4/4/4
26	PEB	eB	202	-	-	8/24/74/74	0/4/4/4
26	PEB	I9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cS	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ls	202	-	-	8/24/74/74	0/4/4/4
26	PEB	V9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	z2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	p6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	s8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	Z6	202	-	-	8/24/74/74	0/4/4/4
28	PUB	B4	203	11	-	7/24/74/74	0/4/4/4
27	CYC	k1	201	-	-	9/25/74/74	0/4/4/4
28	PUB	aF	203	-	-	7/24/74/74	0/4/4/4
27	CYC	O1	201	-	-	9/25/74/74	0/4/4/4
28	PUB	eL	203	-	-	7/24/74/74	0/4/4/4
27	CYC	s1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	Z2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	K2	202	10	-	8/24/74/74	0/4/4/4
26	PEB	D7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	ap	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jK	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	bc	201	-	-	8/24/74/74	0/4/4/4
26	PEB	W7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	fd	301	-	-	8/24/74/74	0/4/4/4
28	PUB	P3	203	-	-	7/24/74/74	0/4/4/4
28	PUB	34	1006	12	-	7/24/74/74	0/4/4/4
26	PEB	u2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eu	202	-	-	8/24/74/74	0/4/4/4
28	PUB	av	203	11	-	7/24/74/74	0/4/4/4
26	PEB	b4	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	d4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hS	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eT	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	aN	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gf	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cY	201	-	-	8/24/74/74	0/4/4/4
26	PEB	U2	202	-	-	8/24/74/74	0/4/4/4
28	PUB	ez	1006	-	-	7/24/74/74	0/4/4/4
28	PUB	R2	203	11	-	7/24/74/74	0/4/4/4
28	PUB	a7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	j9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	gd	201	-	-	7/24/74/74	0/4/4/4
26	PEB	gh	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eI	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ey	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	gp	202	-	-	7/24/74/74	0/4/4/4
26	PEB	y5	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	c8	304	-	-	7/24/74/74	0/4/4/4
26	PEB	h5	202	-	-	8/24/74/74	0/4/4/4
29	PVN	T8	303	-	1/1/14/18	15/24/74/74	0/4/4/4
26	PEB	e9	302	-	-	8/24/74/74	0/4/4/4
26	PEB	o7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bJ	201	-	-	8/24/74/74	0/4/4/4
26	PEB	k6	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	eF	203	-	-	7/24/74/74	0/4/4/4
28	PUB	gz	305	-	-	7/24/74/74	0/4/4/4
26	PEB	K4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aF	204	-	-	8/24/74/74	0/4/4/4
26	PEB	dD	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jK	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	ec	202	-	-	7/24/74/74	0/4/4/4
26	PEB	b7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fs	202	-	-	7/24/74/74	0/4/4/4
28	PUB	A2	1005	12	-	7/24/74/74	0/4/4/4
26	PEB	X7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	br	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fd	302	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	bm	1002	10	-	8/24/74/74	0/4/4/4
29	PVN	a3	1004	-	1/1/14/18	15/24/74/74	0/4/4/4
27	CYC	W1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	C7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	iA	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	bV	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cJ	202	-	-	7/24/74/74	0/4/4/4
26	PEB	w4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dx	401	-	-	8/24/74/74	0/4/4/4
26	PEB	aQ	201	-	-	8/24/74/74	0/4/4/4
28	PUB	v3	203	-	-	7/24/74/74	0/4/4/4
29	PVN	bY	1004	-	1/1/14/18	14/24/74/74	0/4/4/4
26	PEB	ad	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bu	202	-	-	8/24/74/74	0/4/4/4
28	PUB	gr	202	-	-	7/24/74/74	0/4/4/4
26	PEB	i2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	A2	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	d9	303	-	-	8/24/74/74	0/4/4/4
26	PEB	i4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	aY	404	-	-	7/24/74/74	0/4/4/4
26	PEB	eN	202	-	-	7/24/74/74	0/4/4/4
26	PEB	b9	404	-	-	8/24/74/74	0/4/4/4
26	PEB	kR	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	eZ	401	22	-	8/24/74/74	0/4/4/4
26	PEB	H9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	n5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	H7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	p2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	eM	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	F9	203	-	-	7/24/74/74	0/4/4/4
28	PUB	bL	203	-	-	7/24/74/74	0/4/4/4
26	PEB	g4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	B8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ed	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	C2	301	-	-	8/24/74/74	0/4/4/4
26	PEB	fe	201	-	-	8/24/74/74	0/4/4/4
26	PEB	x7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gz	302	-	-	8/24/74/74	0/4/4/4
26	PEB	O2	201	-	-	8/24/74/74	0/4/4/4
28	PUB	di	203	-	-	7/24/74/74	0/4/4/4
28	PUB	H6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	k3	202	10	-	8/24/74/74	0/4/4/4
26	PEB	cl	202	-	-	7/24/74/74	0/4/4/4
28	PUB	dv	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cf	201	-	-	7/24/74/74	0/4/4/4
26	PEB	E9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	T7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	el	202	-	-	7/24/74/74	0/4/4/4
26	PEB	U5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	K9	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	P9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	P7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	iD	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	eQ	202	-	-	8/24/74/74	0/4/4/4
26	PEB	be	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bx	202	10	-	8/24/74/74	0/4/4/4
26	PEB	M8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	J8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	bT	202	-	-	7/24/74/74	0/4/4/4
26	PEB	dh	202	-	-	7/24/74/74	0/4/4/4
26	PEB	P6	201	-	-	8/24/74/74	0/4/4/4
28	PUB	r9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	s5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dk	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	S9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aY	406	-	-	8/24/74/74	0/4/4/4
28	PUB	Z2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	g8	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	m6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	K7	202	-	-	8/24/74/74	0/4/4/4
28	PUB	O8	203	-	-	7/24/74/74	0/4/4/4
26	PEB	k2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	da	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	ci	201	-	-	8/24/74/74	0/4/4/4
26	PEB	N4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	h9	202	-	-	8/24/74/74	0/4/4/4
28	PUB	ez	1005	-	-	7/24/74/74	0/4/4/4
26	PEB	dC	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aZ	302	-	-	8/24/74/74	0/4/4/4
28	PUB	t7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	w8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	f9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	g9	201	-	-	8/24/74/74	0/4/4/4
28	PUB	ly	405	-	-	7/24/74/74	0/4/4/4
26	PEB	F4	202	-	-	8/24/74/74	0/4/4/4
27	CYC	t1	201	-	-	10/25/74/74	0/4/4/4
26	PEB	c4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	R5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	iH	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	w2	203	-	-	8/24/74/74	0/4/4/4
26	PEB	fk	201	-	-	8/24/74/74	0/4/4/4
28	PUB	jK	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	U3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	U3	201	-	-	8/24/74/74	0/4/4/4
27	CYC	y1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	bE	202	10	-	8/24/74/74	0/4/4/4
26	PEB	aL	202	-	-	8/24/74/74	0/4/4/4
28	PUB	Z9	1005	-	-	7/24/74/74	0/4/4/4
26	PEB	y6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aQ	202	-	-	8/24/74/74	0/4/4/4
28	PUB	eg	203	-	-	7/24/74/74	0/4/4/4
26	PEB	eP	203	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	fs	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Q6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fq	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cp	201	-	-	8/24/74/74	0/4/4/4
26	PEB	t5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	S5	203	-	-	7/24/74/74	0/4/4/4
26	PEB	t8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ah	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q4	201	-	-	8/24/74/74	0/4/4/4
29	PVN	44	303	14	1/1/14/18	17/24/74/74	0/4/4/4
26	PEB	aJ	201	-	-	8/24/74/74	0/4/4/4
28	PUB	Z4	203	-	-	7/24/74/74	0/4/4/4
28	PUB	c9	305	-	-	7/24/74/74	0/4/4/4
26	PEB	u8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ff	204	-	-	8/24/74/74	0/4/4/4
28	PUB	Z6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	B6	202	-	-	7/24/74/74	0/4/4/4
26	PEB	C3	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	fi	203	-	-	7/24/74/74	0/4/4/4
26	PEB	i7	201	-	-	8/24/74/74	0/4/4/4
28	PUB	L2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	v2	201	-	-	8/24/74/74	0/4/4/4
28	PUB	T2	203	-	-	7/24/74/74	0/4/4/4
28	PUB	v7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	m4	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	fg	202	-	-	8/24/74/74	0/4/4/4
28	PUB	B5	203	-	-	7/24/74/74	0/4/4/4
28	PUB	p2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	E2	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	en	202	-	-	7/24/74/74	0/4/4/4
26	PEB	X8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	c3	301	-	-	8/24/74/74	0/4/4/4
26	PEB	ey	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	L9	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	ev	202	-	-	7/24/74/74	0/4/4/4
26	PEB	y4	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	e5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aB	201	-	-	8/24/74/74	0/4/4/4
28	PUB	bP	203	-	-	7/24/74/74	0/4/4/4
26	PEB	eJ	201	-	-	8/24/74/74	0/4/4/4
26	PEB	j8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	el	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ez	1003	-	-	8/24/74/74	0/4/4/4
26	PEB	S6	201	10	-	8/24/74/74	0/4/4/4
26	PEB	cW	202	-	-	8/24/74/74	0/4/4/4
26	PEB	U7	202	-	-	8/24/74/74	0/4/4/4
28	PUB	D3	203	-	-	7/24/74/74	0/4/4/4
28	PUB	ey	1006	-	-	7/24/74/74	0/4/4/4
26	PEB	A5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aq	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	R6	202	-	-	7/24/74/74	0/4/4/4
28	PUB	z7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	V8	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	le	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aM	202	10	-	8/24/74/74	0/4/4/4
26	PEB	bW	301	-	-	8/24/74/74	0/4/4/4
26	PEB	aV	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eY	402	-	-	8/24/74/74	0/4/4/4
26	PEB	O7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	z7	201	-	-	8/24/74/74	0/4/4/4
28	PUB	A8	203	-	-	7/24/74/74	0/4/4/4
28	PUB	ee	203	-	-	7/24/74/74	0/4/4/4
26	PEB	gz	301	-	-	8/24/74/74	0/4/4/4
26	PEB	hV	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eH	202	-	-	8/24/74/74	0/4/4/4
26	PEB	G7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	V3	202	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	ad	202	-	-	7/24/74/74	0/4/4/4
26	PEB	D4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	x9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eM	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	N2	202	-	-	8/24/74/74	0/4/4/4
28	PUB	Q8	203	-	-	7/24/74/74	0/4/4/4
26	PEB	B2	502	-	-	8/24/74/74	0/4/4/4
26	PEB	b5	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	w8	203	-	-	7/24/74/74	0/4/4/4
27	CYC	m1	201	-	-	9/25/74/74	0/4/4/4
28	PUB	T8	304	-	-	7/24/74/74	0/4/4/4
26	PEB	Y8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cL	202	-	-	7/24/74/74	0/4/4/4
26	PEB	r7	201	-	-	8/24/74/74	0/4/4/4
27	CYC	S1	202	-	-	10/25/74/74	0/4/4/4
26	PEB	fy	201	-	-	7/24/74/74	0/4/4/4
26	PEB	g7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fe	202	-	-	8/24/74/74	0/4/4/4
26	PEB	x7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cc	201	-	-	8/24/74/74	0/4/4/4
26	PEB	a9	602	-	-	8/24/74/74	0/4/4/4
26	PEB	M4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	c6	1003	-	-	8/24/74/74	0/4/4/4
26	PEB	ae	201	-	-	8/24/74/74	0/4/4/4
28	PUB	e6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ah	202	-	-	7/24/74/74	0/4/4/4
26	PEB	Y9	302	-	-	8/24/74/74	0/4/4/4
26	PEB	fm	201	-	-	8/24/74/74	0/4/4/4
26	PEB	w5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	S3	203	-	-	8/24/74/74	0/4/4/4
26	PEB	dw	401	-	-	8/24/74/74	0/4/4/4
26	PEB	cv	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eh	201	-	-	8/24/74/74	0/4/4/4
28	PUB	aL	203	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	m3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dG	202	-	-	8/24/74/74	0/4/4/4
26	PEB	jP	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	eb	201	-	-	8/24/74/74	0/4/4/4
26	PEB	m3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	as	201	-	-	8/24/74/74	0/4/4/4
26	PEB	i3	202	10	-	8/24/74/74	0/4/4/4
26	PEB	T6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fw	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cy	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	eB	201	-	-	8/24/74/74	0/4/4/4
26	PEB	E8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bt	201	-	-	8/24/74/74	0/4/4/4
26	PEB	G3	201	-	-	8/24/74/74	0/4/4/4
28	PUB	bZ	305	-	-	7/24/74/74	0/4/4/4
26	PEB	kW	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	ay	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	dj	202	-	-	7/24/74/74	0/4/4/4
26	PEB	d6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	I8	201	11	-	8/24/74/74	0/4/4/4
28	PUB	aP	203	-	-	7/24/74/74	0/4/4/4
26	PEB	gw	202	-	-	8/24/74/74	0/4/4/4
26	PEB	Y6	201	-	-	8/24/74/74	0/4/4/4
27	CYC	K1	201	-	-	9/25/74/74	0/4/4/4
28	PUB	cY	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cj	202	-	-	7/24/74/74	0/4/4/4
26	PEB	n4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	F2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	p9	202	-	-	8/24/74/74	0/4/4/4
27	CYC	d2	101	5	-	9/25/74/74	0/4/4/4
28	PUB	M8	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Q7	202	-	-	8/24/74/74	0/4/4/4
29	PVN	Y5	1004	12	1/1/14/18	12/24/74/74	0/4/4/4
26	PEB	gl	202	10	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	eJ	203	-	-	7/24/74/74	0/4/4/4
28	PUB	fu	202	-	-	7/24/74/74	0/4/4/4
26	PEB	fj	202	-	-	7/24/74/74	0/4/4/4
28	PUB	F7	202	11	-	7/24/74/74	0/4/4/4
26	PEB	Q9	201	-	-	8/24/74/74	0/4/4/4
28	PUB	l7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ef	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cE	202	-	-	7/24/74/74	0/4/4/4
26	PEB	d8	302	14	-	8/24/74/74	0/4/4/4
26	PEB	r9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	o6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	Z9	1007	-	-	8/24/74/74	0/4/4/4
26	PEB	de	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ly	402	23	-	8/24/74/74	0/4/4/4
26	PEB	bS	202	10	-	8/24/74/74	0/4/4/4
28	PUB	aR	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hV	202	-	-	7/24/74/74	0/4/4/4
26	PEB	gk	202	-	-	7/24/74/74	0/4/4/4
26	PEB	O5	202	-	-	8/24/74/74	0/4/4/4
28	PUB	T4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	G6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lc	202	-	-	8/24/74/74	0/4/4/4
26	PEB	F5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	al	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lc	201	-	-	8/24/74/74	0/4/4/4
26	PEB	G4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	R6	203	11	-	7/24/74/74	0/4/4/4
26	PEB	O6	201	10	-	8/24/74/74	0/4/4/4
26	PEB	hL	202	-	-	7/24/74/74	0/4/4/4
28	PUB	n5	203	-	-	7/24/74/74	0/4/4/4
26	PEB	w9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	h4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	lf	202	-	-	7/24/74/74	0/4/4/4
26	PEB	D5	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	j4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fm	202	-	-	7/24/74/74	0/4/4/4
28	PUB	eZ	404	-	-	7/24/74/74	0/4/4/4
26	PEB	e3	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	G8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	fs	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aJ	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dN	202	-	-	8/24/74/74	0/4/4/4
28	PUB	N7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Q8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	hA	201	10	-	8/24/74/74	0/4/4/4
26	PEB	d7	202	11	-	7/24/74/74	0/4/4/4
26	PEB	G9	201	-	-	8/24/74/74	0/4/4/4
28	PUB	x7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	eP	202	-	-	8/24/74/74	0/4/4/4
26	PEB	o2	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	r3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	U8	1003	12	-	8/24/74/74	0/4/4/4
26	PEB	bL	202	-	-	7/24/74/74	0/4/4/4
28	PUB	h2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	aU	201	-	-	8/24/74/74	0/4/4/4
26	PEB	U9	202	-	-	8/24/74/74	0/4/4/4
28	PUB	D4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	p6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	s8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	h2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hI	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dt	201	-	-	8/24/74/74	0/4/4/4
26	PEB	v7	201	-	-	8/24/74/74	0/4/4/4
28	PUB	B6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	H9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	b9	401	-	-	8/24/74/74	0/4/4/4
26	PEB	eD	202	-	-	8/24/74/74	0/4/4/4
28	PUB	kX	1003	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	I6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Z7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	x6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aF	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eW	202	10	-	8/24/74/74	0/4/4/4
28	PUB	f8	203	11	-	7/24/74/74	0/4/4/4
26	PEB	cd	202	18	-	7/24/74/74	0/4/4/4
26	PEB	hD	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eX	201	-	-	7/24/74/74	0/4/4/4
26	PEB	fi	202	-	-	7/24/74/74	0/4/4/4
26	PEB	C9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ep	201	-	-	8/24/74/74	0/4/4/4
26	PEB	I2	202	10	-	8/24/74/74	0/4/4/4
26	PEB	dS	201	-	-	8/24/74/74	0/4/4/4
29	PVN	bZ	304	-	1/1/14/18	14/24/74/74	0/4/4/4
28	PUB	eN	203	-	-	7/24/74/74	0/4/4/4
26	PEB	V2	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dV	203	-	-	7/24/74/74	0/4/4/4
26	PEB	o2	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	a5	201	-	-	8/24/74/74	0/4/4/4
28	PUB	j3	202	-	-	7/24/74/74	0/4/4/4
28	PUB	gy	306	-	-	7/24/74/74	0/4/4/4
26	PEB	dD	202	-	-	8/24/74/74	0/4/4/4
26	PEB	B5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	ct	202	-	-	8/24/74/74	0/4/4/4
28	PUB	N9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	C3	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	C5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	P7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aP	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ct	201	-	-	8/24/74/74	0/4/4/4
26	PEB	l8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	ff	203	-	-	7/24/74/74	0/4/4/4
26	PEB	cW	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	iB	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	gs	201	-	-	8/24/74/74	0/4/4/4
28	PUB	D2	305	-	-	7/24/74/74	0/4/4/4
26	PEB	E3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	la	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	W5	301	-	-	8/24/74/74	0/4/4/4
26	PEB	bC	201	-	-	8/24/74/74	0/4/4/4
26	PEB	V5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	l4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	lu	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bZ	303	14	-	8/24/74/74	0/4/4/4
26	PEB	y6	203	-	-	8/24/74/74	0/4/4/4
26	PEB	hK	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dP	201	-	-	8/24/74/74	0/4/4/4
26	PEB	P5	201	-	-	7/24/74/74	0/4/4/4
26	PEB	G7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bY	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	A3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	v3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	eU	201	-	-	8/24/74/74	0/4/4/4
26	PEB	k8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cu	202	10	-	8/24/74/74	0/4/4/4
28	PUB	iE	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	k7	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	ee	201	-	-	8/24/74/74	0/4/4/4
26	PEB	t9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	T9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eF	201	-	-	8/24/74/74	0/4/4/4
28	PUB	H3	203	11	-	7/24/74/74	0/4/4/4
26	PEB	af	202	-	-	7/24/74/74	0/4/4/4
26	PEB	kS	1002	-	-	7/24/74/74	0/4/4/4
29	PVN	eZ	402	-	1/1/14/18	17/24/74/74	0/4/4/4
26	PEB	cU	202	-	-	8/24/74/74	0/4/4/4
29	PVN	Z5	304	-	1/1/14/18	17/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	N7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	ll	201	-	-	8/24/74/74	0/4/4/4
26	PEB	j2	202	-	-	7/24/74/74	0/4/4/4
28	PUB	t6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	dC	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cM	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dP	202	-	-	8/24/74/74	0/4/4/4
28	PUB	J7	202	-	-	7/24/74/74	0/4/4/4
28	PUB	n3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bN	202	-	-	7/24/74/74	0/4/4/4
26	PEB	w3	201	-	-	8/24/74/74	0/4/4/4
28	PUB	T5	202	-	-	7/24/74/74	0/4/4/4
28	PUB	aD	203	-	-	7/24/74/74	0/4/4/4
26	PEB	q7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	w4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	T3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	m5	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	Y3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	F4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	T3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jO	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	H2	201	-	-	7/24/74/74	0/4/4/4
26	PEB	cv	202	10	-	8/24/74/74	0/4/4/4
26	PEB	L8	201	-	-	8/24/74/74	0/4/4/4
28	PUB	r7	203	-	-	7/24/74/74	0/4/4/4
28	PUB	lz	405	-	-	7/24/74/74	0/4/4/4
26	PEB	T8	302	-	-	8/24/74/74	0/4/4/4
28	PUB	v2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	X4	202	-	-	8/24/74/74	0/4/4/4
28	PUB	Z9	1006	-	-	7/24/74/74	0/4/4/4
26	PEB	cF	201	-	-	7/24/74/74	0/4/4/4
28	PUB	jJ	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	jN	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	aL	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	S2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	g6	201	-	-	8/24/74/74	0/4/4/4
28	PUB	hL	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ac	201	-	-	8/24/74/74	0/4/4/4
28	PUB	hJ	203	-	-	7/24/74/74	0/4/4/4
29	PVN	hY	404	-	1/1/14/18	12/24/74/74	0/4/4/4
27	CYC	S1	201	-	-	10/25/74/74	0/4/4/4
28	PUB	aJ	203	-	-	7/24/74/74	0/4/4/4
26	PEB	fn	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	X9	401	-	-	8/24/74/74	0/4/4/4
26	PEB	dF	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gi	201	-	-	8/24/74/74	0/4/4/4
26	PEB	g2	201	-	-	8/24/74/74	0/4/4/4
28	PUB	T6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hJ	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hO	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dY	203	-	-	7/24/74/74	0/4/4/4
28	PUB	cn	202	-	-	7/24/74/74	0/4/4/4
26	PEB	au	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cC	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	u8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eq	202	-	-	8/24/74/74	0/4/4/4
29	PVN	gy	304	-	-	13/24/74/74	0/4/4/4
26	PEB	lm	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	eY	401	-	-	8/24/74/74	0/4/4/4
26	PEB	ls	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aZ	301	-	-	8/24/74/74	0/4/4/4
26	PEB	aO	201	-	-	8/24/74/74	0/4/4/4
26	PEB	da	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	eT	203	-	-	7/24/74/74	0/4/4/4
26	PEB	s9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fl	202	-	-	8/24/74/74	0/4/4/4
28	PUB	df	203	-	-	7/24/74/74	0/4/4/4
28	PUB	iG	1002	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	n4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	g2	202	-	-	8/24/74/74	0/4/4/4
28	PUB	bR	202	-	-	7/24/74/74	0/4/4/4
26	PEB	aX	401	-	-	8/24/74/74	0/4/4/4
28	PUB	eD	203	-	-	7/24/74/74	0/4/4/4
26	PEB	q5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	s5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dO	201	-	-	8/24/74/74	0/4/4/4
26	PEB	z5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	dn	202	-	-	8/24/74/74	0/4/4/4
26	PEB	k2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dw	402	-	-	8/24/74/74	0/4/4/4
26	PEB	cO	201	-	-	8/24/74/74	0/4/4/4
28	PUB	hY	405	-	-	7/24/74/74	0/4/4/4
27	CYC	M1	1001	-	-	10/25/74/74	0/4/4/4
26	PEB	hN	202	-	-	7/24/74/74	0/4/4/4
26	PEB	I4	202	-	-	8/24/74/74	0/4/4/4
29	PVN	lz	403	-	1/1/14/18	15/24/74/74	0/4/4/4
26	PEB	cr	202	-	-	7/24/74/74	0/4/4/4
26	PEB	du	201	-	-	8/24/74/74	0/4/4/4
26	PEB	P4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	kT	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	R2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	s9	202	-	-	8/24/74/74	0/4/4/4
28	PUB	F6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	E7	201	10	-	8/24/74/74	0/4/4/4
28	PUB	hZ	404	-	-	7/24/74/74	0/4/4/4
26	PEB	f3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	c8	301	-	-	8/24/74/74	0/4/4/4
26	PEB	ar	201	-	-	8/24/74/74	0/4/4/4
26	PEB	I3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bF	202	-	-	7/24/74/74	0/4/4/4
28	PUB	X2	203	-	-	7/24/74/74	0/4/4/4
28	PUB	v6	203	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	iG	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	Q4	202	-	-	8/24/74/74	0/4/4/4
27	CYC	q1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	gq	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fh	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	Z4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	C7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	R7	201	-	-	8/24/74/74	0/4/4/4
28	PUB	b9	407	12	-	7/24/74/74	0/4/4/4
28	PUB	cH	202	-	-	7/24/74/74	0/4/4/4
26	PEB	fb	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bE	201	-	-	8/24/74/74	0/4/4/4
28	PUB	fm	203	-	-	7/24/74/74	0/4/4/4
26	PEB	x8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aR	202	-	-	8/24/74/74	0/4/4/4
26	PEB	o3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	G5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bq	201	-	-	8/24/74/74	0/4/4/4
28	PUB	et	203	-	-	7/24/74/74	0/4/4/4
29	PVN	U8	1004	-	1/1/14/18	10/24/74/74	0/4/4/4
26	PEB	a3	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	fv	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bV	202	-	-	7/24/74/74	0/4/4/4
26	PEB	D4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dv	201	-	-	8/24/74/74	0/4/4/4
26	PEB	J3	201	-	-	8/24/74/74	0/4/4/4
28	PUB	E8	203	-	-	7/24/74/74	0/4/4/4
28	PUB	r3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	m8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	g4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cT	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	J7	201	11	-	7/24/74/74	0/4/4/4
26	PEB	eL	202	-	-	7/24/74/74	0/4/4/4
26	PEB	ca	1001	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	34	1007	-	-	8/24/74/74	0/4/4/4
26	PEB	dQ	201	-	-	8/24/74/74	0/4/4/4
28	PUB	C2	305	-	-	7/24/74/74	0/4/4/4
26	PEB	cK	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dk	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	bH	203	-	-	7/24/74/74	0/4/4/4
28	PUB	T3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	a3	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	u3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	A6	1001	10	-	8/24/74/74	0/4/4/4
28	PUB	aT	203	11	-	7/24/74/74	0/4/4/4
26	PEB	dx	404	-	-	8/24/74/74	0/4/4/4
26	PEB	f5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	k4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	O9	201	-	-	8/24/74/74	0/4/4/4
28	PUB	v4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	o5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	iB	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	bj	201	-	-	8/24/74/74	0/4/4/4
28	PUB	R9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	dg	202	10	-	8/24/74/74	0/4/4/4
28	PUB	J9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bU	201	-	-	8/24/74/74	0/4/4/4
26	PEB	L4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dx	403	-	-	8/24/74/74	0/4/4/4
26	PEB	bO	202	-	-	8/24/74/74	0/4/4/4
26	PEB	A7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	n7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Z2	201	-	-	8/24/74/74	0/4/4/4
28	PUB	s7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	W2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aH	202	-	-	8/24/74/74	0/4/4/4
26	PEB	n6	202	-	-	7/24/74/74	0/4/4/4
26	PEB	p3	202	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	n6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dj	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bZ	301	-	-	8/24/74/74	0/4/4/4
26	PEB	lq	203	-	-	8/24/74/74	0/4/4/4
26	PEB	iC	1002	-	-	7/24/74/74	0/4/4/4
28	PUB	z9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	i6	201	10	-	8/24/74/74	0/4/4/4
28	PUB	P7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	U7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	s4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	b3	502	-	-	8/24/74/74	0/4/4/4
26	PEB	ge	202	-	-	7/24/74/74	0/4/4/4
28	PUB	jN	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	p9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	H5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lh	202	-	-	7/24/74/74	0/4/4/4
26	PEB	gr	201	-	-	7/24/74/74	0/4/4/4
26	PEB	ab	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aV	201	-	-	8/24/74/74	0/4/4/4
26	PEB	A5	203	-	-	7/24/74/74	0/4/4/4
26	PEB	u6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	D8	202	-	-	8/24/74/74	0/4/4/4
28	PUB	n8	202	-	-	7/24/74/74	0/4/4/4
27	CYC	c1	201	-	-	10/25/74/74	0/4/4/4
26	PEB	jO	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	G2	201	-	-	8/24/74/74	0/4/4/4
28	PUB	hR	203	-	-	7/24/74/74	0/4/4/4
26	PEB	M7	1002	26	-	8/24/74/74	0/4/4/4
26	PEB	aI	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fo	202	-	-	7/24/74/74	0/4/4/4
28	PUB	gd	202	-	-	7/24/74/74	0/4/4/4
29	PVN	Z9	1004	12	1/1/14/18	10/24/74/74	0/4/4/4
28	PUB	X4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	B3	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	eg	201	-	-	8/24/74/74	0/4/4/4
26	PEB	B7	201	-	-	7/24/74/74	0/4/4/4
28	PUB	br	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Z3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dl	202	-	-	7/24/74/74	0/4/4/4
29	PVN	ly	404	23	1/1/14/18	15/24/74/74	0/4/4/4
26	PEB	D9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lk	201	-	-	8/24/74/74	0/4/4/4
28	PUB	bF	203	-	-	7/24/74/74	0/4/4/4
26	PEB	dU	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dU	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dt	202	-	-	8/24/74/74	0/4/4/4
26	PEB	v9	202	-	-	7/24/74/74	0/4/4/4
27	CYC	L1	201	5	-	9/25/74/74	0/4/4/4
26	PEB	H6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	lf	201	-	-	8/24/74/74	0/4/4/4
27	CYC	a2	902	8	-	10/25/74/74	0/4/4/4
26	PEB	e6	201	-	-	8/24/74/74	0/4/4/4
29	PVN	34	1004	12	1/1/14/18	12/24/74/74	0/4/4/4
28	PUB	lz	404	-	-	7/24/74/74	0/4/4/4
26	PEB	q3	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	kT	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	d7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	f7	202	10	-	8/24/74/74	0/4/4/4
26	PEB	H4	202	-	-	8/24/74/74	0/4/4/4
28	PUB	dH	203	-	-	7/24/74/74	0/4/4/4
26	PEB	U9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	V2	202	11	-	7/24/74/74	0/4/4/4
26	PEB	gz	303	-	-	8/24/74/74	0/4/4/4
26	PEB	hF	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bl	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dq	201	-	-	8/24/74/74	0/4/4/4
26	PEB	k3	201	10	-	8/24/74/74	0/4/4/4
28	PUB	dw	406	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	p5	201	-	-	7/24/74/74	0/4/4/4
29	PVN	c8	303	14	1/1/14/18	15/24/74/74	0/4/4/4
26	PEB	gv	201	-	-	8/24/74/74	0/4/4/4
26	PEB	el	201	-	-	8/24/74/74	0/4/4/4
28	PUB	Z5	305	-	-	7/24/74/74	0/4/4/4
28	PUB	lt	203	11	-	7/24/74/74	0/4/4/4
26	PEB	j9	201	-	-	8/24/74/74	0/4/4/4
28	PUB	cF	202	-	-	7/24/74/74	0/4/4/4
28	PUB	ly	406	-	-	7/24/74/74	0/4/4/4
26	PEB	dc	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eD	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bT	201	-	-	7/24/74/74	0/4/4/4
26	PEB	hP	202	-	-	7/24/74/74	0/4/4/4
28	PUB	eB	204	11	-	7/24/74/74	0/4/4/4
27	CYC	w1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	hF	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dq	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eo	201	-	-	8/24/74/74	0/4/4/4
28	PUB	B3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	aW	301	-	-	8/24/74/74	0/4/4/4
28	PUB	t9	203	11	-	7/24/74/74	0/4/4/4
26	PEB	R5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	eO	201	-	-	8/24/74/74	0/4/4/4
26	PEB	b3	501	-	-	8/24/74/74	0/4/4/4
26	PEB	l9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	l7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	b6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cC	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	Z5	302	-	-	8/24/74/74	0/4/4/4
26	PEB	D3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	C5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	T4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	u4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bK	1002	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	E2	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	hX	202	-	-	7/24/74/74	0/4/4/4
26	PEB	at	202	-	-	7/24/74/74	0/4/4/4
26	PEB	n9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	z7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cp	202	-	-	7/24/74/74	0/4/4/4
26	PEB	fx	201	-	-	8/24/74/74	0/4/4/4
26	PEB	l9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	fn	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	er	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hH	202	-	-	7/24/74/74	0/4/4/4
26	PEB	p2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eg	202	-	-	7/24/74/74	0/4/4/4
26	PEB	y8	202	11	-	7/24/74/74	0/4/4/4
26	PEB	o4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	I6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	o4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	R7	203	-	-	7/24/74/74	0/4/4/4
26	PEB	v6	201	-	-	8/24/74/74	0/4/4/4
28	PUB	u6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	r7	202	11	-	7/24/74/74	0/4/4/4
26	PEB	A6	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	O3	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	Z7	202	-	-	7/24/74/74	0/4/4/4
28	PUB	p4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	Z4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	J5	201	-	-	8/24/74/74	0/4/4/4
28	PUB	dF	203	-	-	7/24/74/74	0/4/4/4
26	PEB	O4	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	gi	203	-	-	7/24/74/74	0/4/4/4
26	PEB	lg	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bQ	203	-	-	7/24/74/74	0/4/4/4
26	PEB	L2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cA	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	hJ	202	11	-	7/24/74/74	0/4/4/4
26	PEB	o9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	r6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	h7	201	10	-	8/24/74/74	0/4/4/4
26	PEB	n7	202	-	-	7/24/74/74	0/4/4/4
29	PVN	gz	304	-	-	10/24/74/74	0/4/4/4
26	PEB	gm	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	c9	304	14	-	7/24/74/74	0/4/4/4
26	PEB	ly	401	-	-	8/24/74/74	0/4/4/4
28	PUB	H5	202	-	-	7/24/74/74	0/4/4/4
28	PUB	v9	203	11	-	7/24/74/74	0/4/4/4
26	PEB	t2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	gf	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bZ	302	-	-	8/24/74/74	0/4/4/4
26	PEB	bQ	202	-	-	8/24/74/74	0/4/4/4
26	PEB	c5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	c9	301	-	-	8/24/74/74	0/4/4/4
26	PEB	bA	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bB	201	-	-	8/24/74/74	0/4/4/4
28	PUB	gn	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bt	202	10	-	8/24/74/74	0/4/4/4
26	PEB	s7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jN	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	bg	201	-	-	8/24/74/74	0/4/4/4
26	PEB	W4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cq	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gj	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aP	202	-	-	8/24/74/74	0/4/4/4
28	PUB	H4	203	-	-	7/24/74/74	0/4/4/4
28	PUB	N4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hM	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	dx	407	-	-	7/24/74/74	0/4/4/4
26	PEB	cY	202	11	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	go	201	-	-	8/24/74/74	0/4/4/4
28	PUB	t3	203	11	-	7/24/74/74	0/4/4/4
28	PUB	n6	203	11	-	7/24/74/74	0/4/4/4
26	PEB	L9	202	-	-	7/24/74/74	0/4/4/4
28	PUB	d8	304	-	-	7/24/74/74	0/4/4/4
26	PEB	B8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	l5	201	-	-	8/24/74/74	0/4/4/4
28	PUB	lx	201	-	-	7/24/74/74	0/4/4/4
28	PUB	eP	204	11	-	7/24/74/74	0/4/4/4
28	PUB	cL	203	-	-	7/24/74/74	0/4/4/4
28	PUB	lj	202	-	-	7/24/74/74	0/4/4/4
26	PEB	s6	201	10	-	8/24/74/74	0/4/4/4
26	PEB	dJ	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gj	202	10	-	8/24/74/74	0/4/4/4
26	PEB	P3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	C6	201	10	-	8/24/74/74	0/4/4/4
26	PEB	A8	202	-	-	8/24/74/74	0/4/4/4
28	PUB	iC	1003	-	-	7/24/74/74	0/4/4/4
28	PUB	b8	1006	-	-	7/24/74/74	0/4/4/4
29	PVN	e8	303	-	1/1/14/18	14/24/74/74	0/4/4/4
26	PEB	g7	202	10	-	8/24/74/74	0/4/4/4
26	PEB	L6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	S5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	e9	303	14	-	8/24/74/74	0/4/4/4
26	PEB	F5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	lm	1001	-	-	8/24/74/74	0/4/4/4
27	CYC	I1	201	4	-	9/25/74/74	0/4/4/4
26	PEB	cx	201	-	-	8/24/74/74	0/4/4/4
28	PUB	p8	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hR	202	-	-	7/24/74/74	0/4/4/4
28	PUB	gy	305	-	-	7/24/74/74	0/4/4/4
26	PEB	eQ	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eV	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eE	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	ck	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dM	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	p7	202	11	-	7/24/74/74	0/4/4/4
26	PEB	l3	201	-	-	8/24/74/74	0/4/4/4
28	PUB	B9	203	11	-	7/24/74/74	0/4/4/4
29	PVN	C2	303	-	1/1/14/18	17/24/74/74	0/4/4/4
28	PUB	jI	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	r3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	bz	202	-	-	8/24/74/74	0/4/4/4
28	PUB	hH	203	-	-	7/24/74/74	0/4/4/4
26	PEB	fd	303	-	-	8/24/74/74	0/4/4/4
26	PEB	I8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	du	203	-	-	8/24/74/74	0/4/4/4
26	PEB	cA	202	-	-	8/24/74/74	0/4/4/4
28	PUB	ep	203	-	-	7/24/74/74	0/4/4/4
28	PUB	iH	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	en	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ly	403	-	-	8/24/74/74	0/4/4/4
26	PEB	F2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	h7	202	-	-	8/24/74/74	0/4/4/4
28	PUB	lh	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hO	202	-	-	8/24/74/74	0/4/4/4
26	PEB	hU	201	-	-	8/24/74/74	0/4/4/4
27	CYC	a2	901	-	-	10/25/74/74	0/4/4/4
26	PEB	hD	202	-	-	7/24/74/74	0/4/4/4
26	PEB	N5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	V4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	m8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eS	201	-	-	8/24/74/74	0/4/4/4
28	PUB	kU	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	Q4	203	-	-	8/24/74/74	0/4/4/4
26	PEB	c5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	i3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bA	202	10	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	v2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cw	202	10	-	8/24/74/74	0/4/4/4
28	PUB	bB	203	-	-	7/24/74/74	0/4/4/4
26	PEB	eL	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Q9	202	-	-	8/24/74/74	0/4/4/4
28	PUB	e9	305	-	-	7/24/74/74	0/4/4/4
26	PEB	f2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	e2	202	-	-	8/24/74/74	0/4/4/4
28	PUB	co	202	-	-	7/24/74/74	0/4/4/4
26	PEB	eo	202	-	-	8/24/74/74	0/4/4/4
26	PEB	az	201	-	-	8/24/74/74	0/4/4/4
28	PUB	fo	203	-	-	7/24/74/74	0/4/4/4
26	PEB	b8	1002	12	-	8/24/74/74	0/4/4/4
28	PUB	az	203	-	-	7/24/74/74	0/4/4/4
26	PEB	do	201	-	-	8/24/74/74	0/4/4/4
28	PUB	n7	203	-	-	7/24/74/74	0/4/4/4
28	PUB	hG	202	-	-	7/24/74/74	0/4/4/4
26	PEB	e3	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	e8	305	-	-	7/24/74/74	0/4/4/4
26	PEB	H6	201	11	-	8/24/74/74	0/4/4/4
26	PEB	J4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	Y5	1005	-	-	7/24/74/74	0/4/4/4
26	PEB	an	201	-	-	7/24/74/74	0/4/4/4
26	PEB	k8	203	-	-	8/24/74/74	0/4/4/4
28	PUB	z6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	fc	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eW	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eH	201	-	-	8/24/74/74	0/4/4/4
28	PUB	iD	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	N9	201	11	-	8/24/74/74	0/4/4/4
27	CYC	Q1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	E5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	D5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	A3	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	v8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	t6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	li	201	-	-	8/24/74/74	0/4/4/4
28	PUB	aY	405	-	-	7/24/74/74	0/4/4/4
28	PUB	r5	203	11	-	7/24/74/74	0/4/4/4
28	PUB	kV	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	j4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	G9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	f4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	O3	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	ln	201	-	-	8/24/74/74	0/4/4/4
29	PVN	e9	304	-	1/1/14/18	14/24/74/74	0/4/4/4
26	PEB	X2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Y7	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	dl	203	-	-	7/24/74/74	0/4/4/4
26	PEB	M7	1001	26	-	8/24/74/74	0/4/4/4
28	PUB	V2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	X3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gn	202	-	-	7/24/74/74	0/4/4/4
26	PEB	aG	201	-	-	8/24/74/74	0/4/4/4
26	PEB	de	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lz	402	-	-	8/24/74/74	0/4/4/4
27	CYC	V1	201	7	-	9/25/74/74	0/4/4/4
26	PEB	M3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	z4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eC	202	10	-	8/24/74/74	0/4/4/4
26	PEB	K5	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	S4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	t6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ez	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	h2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	O9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	p4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	t7	201	11	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	G8	203	-	-	7/24/74/74	0/4/4/4
28	PUB	y8	203	11	-	7/24/74/74	0/4/4/4
26	PEB	fw	201	11	-	8/24/74/74	0/4/4/4
26	PEB	34	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	E6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aD	202	-	-	7/24/74/74	0/4/4/4
28	PUB	jP	1003	-	-	7/24/74/74	0/4/4/4
28	PUB	J5	203	-	-	7/24/74/74	0/4/4/4
26	PEB	r2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	dh	201	-	-	8/24/74/74	0/4/4/4
28	PUB	F5	203	-	-	7/24/74/74	0/4/4/4
28	PUB	l2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bK	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	S3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	jL	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	bL	201	-	-	8/24/74/74	0/4/4/4
26	PEB	z8	202	-	-	8/24/74/74	0/4/4/4
28	PUB	gv	203	-	-	7/24/74/74	0/4/4/4
26	PEB	p4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	A4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	hM	1002	-	-	8/24/74/74	0/4/4/4
28	PUB	d3	303	-	-	7/24/74/74	0/4/4/4
28	PUB	hZ	405	-	-	7/24/74/74	0/4/4/4
26	PEB	dH	202	-	-	8/24/74/74	0/4/4/4
26	PEB	gi	202	-	-	7/24/74/74	0/4/4/4
26	PEB	di	201	-	-	8/24/74/74	0/4/4/4
28	PUB	bn	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cq	202	-	-	7/24/74/74	0/4/4/4
28	PUB	c7	203	11	-	7/24/74/74	0/4/4/4
26	PEB	aj	202	18	-	7/24/74/74	0/4/4/4
26	PEB	i8	201	10	-	8/24/74/74	0/4/4/4
26	PEB	z5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bR	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dV	202	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
29	PVN	c3	303	-	1/1/14/18	17/24/74/74	0/4/4/4
26	PEB	gs	202	-	-	8/24/74/74	0/4/4/4
26	PEB	v4	201	-	-	8/24/74/74	0/4/4/4
28	PUB	bz	203	-	-	7/24/74/74	0/4/4/4
28	PUB	gp	203	-	-	7/24/74/74	0/4/4/4
26	PEB	fr	201	-	-	8/24/74/74	0/4/4/4
26	PEB	A2	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	E3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	H4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	kU	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	a9	601	-	-	8/24/74/74	0/4/4/4
28	PUB	cO	203	-	-	7/24/74/74	0/4/4/4
26	PEB	hK	202	-	-	8/24/74/74	0/4/4/4
26	PEB	S6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	N2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	eG	201	-	-	8/24/74/74	0/4/4/4
28	PUB	L3	203	-	-	7/24/74/74	0/4/4/4
26	PEB	U6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	fi	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hE	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	y6	204	-	-	7/24/74/74	0/4/4/4
26	PEB	a6	202	-	-	8/24/74/74	0/4/4/4
28	PUB	f3	203	11	-	7/24/74/74	0/4/4/4
26	PEB	ee	202	-	-	7/24/74/74	0/4/4/4
26	PEB	c3	302	-	-	8/24/74/74	0/4/4/4
26	PEB	dX	201	-	-	8/24/74/74	0/4/4/4
26	PEB	m5	1003	-	-	7/24/74/74	0/4/4/4
28	PUB	V4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	iE	1001	11	-	8/24/74/74	0/4/4/4
28	PUB	L9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	bS	201	-	-	8/24/74/74	0/4/4/4
26	PEB	K6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	A2	1003	-	-	7/24/74/74	0/4/4/4
26	PEB	B5	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	T5	201	-	-	8/24/74/74	0/4/4/4
28	PUB	b7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	O5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bf	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fg	201	-	-	7/24/74/74	0/4/4/4
26	PEB	hL	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Q5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q8	202	-	-	8/24/74/74	0/4/4/4
28	PUB	e7	203	11	-	7/24/74/74	0/4/4/4
26	PEB	kX	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	dB	201	-	-	8/24/74/74	0/4/4/4
26	PEB	n2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	b8	1003	-	-	8/24/74/74	0/4/4/4
26	PEB	l4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	db	202	-	-	8/24/74/74	0/4/4/4
28	PUB	lv	202	-	-	7/24/74/74	0/4/4/4
26	PEB	i9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	y3	202	-	-	8/24/74/74	0/4/4/4
28	PUB	cQ	202	-	-	7/24/74/74	0/4/4/4
28	PUB	a3	1005	12	-	7/24/74/74	0/4/4/4
26	PEB	W8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cU	201	-	-	8/24/74/74	0/4/4/4
26	PEB	p8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cC	1003	-	-	8/24/74/74	0/4/4/4
26	PEB	hA	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eR	201	-	-	8/24/74/74	0/4/4/4
26	PEB	M9	202	-	-	8/24/74/74	0/4/4/4
26	PEB	at	201	-	-	8/24/74/74	0/4/4/4
26	PEB	lw	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jJ	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	B9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	f2	202	-	-	7/24/74/74	0/4/4/4
28	PUB	r6	203	11	-	7/24/74/74	0/4/4/4
26	PEB	bw	202	10	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	gy	301	-	-	8/24/74/74	0/4/4/4
26	PEB	hH	201	-	-	8/24/74/74	0/4/4/4
28	PUB	J2	202	-	-	7/24/74/74	0/4/4/4
26	PEB	Y4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	u9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dQ	202	-	-	8/24/74/74	0/4/4/4
28	PUB	d3	304	-	-	7/24/74/74	0/4/4/4
26	PEB	l6	202	-	-	8/24/74/74	0/4/4/4
28	PUB	hY	406	-	-	7/24/74/74	0/4/4/4
26	PEB	T6	202	-	-	8/24/74/74	0/4/4/4
28	PUB	aZ	305	-	-	7/24/74/74	0/4/4/4
26	PEB	h3	201	-	-	7/24/74/74	0/4/4/4
26	PEB	E8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	u5	202	-	-	8/24/74/74	0/4/4/4
27	CYC	v1	201	-	-	10/25/74/74	0/4/4/4
28	PUB	en	203	11	-	7/24/74/74	0/4/4/4
26	PEB	L2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	jI	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	X7	202	-	-	7/24/74/74	0/4/4/4
26	PEB	cE	201	-	-	8/24/74/74	0/4/4/4
28	PUB	cB	203	-	-	7/24/74/74	0/4/4/4
26	PEB	eT	202	-	-	8/24/74/74	0/4/4/4
26	PEB	df	202	-	-	7/24/74/74	0/4/4/4
26	PEB	gx	201	-	-	8/24/74/74	0/4/4/4
28	PUB	g8	202	-	-	7/24/74/74	0/4/4/4
26	PEB	eI	202	-	-	8/24/74/74	0/4/4/4
28	PUB	aB	203	-	-	7/24/74/74	0/4/4/4
26	PEB	R9	201	-	-	8/24/74/74	0/4/4/4
29	PVN	ey	1004	-	1/1/14/18	13/24/74/74	0/4/4/4
26	PEB	v3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	N8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gu	201	-	-	8/24/74/74	0/4/4/4
26	PEB	z6	201	-	-	8/24/74/74	0/4/4/4
28	PUB	z5	203	-	-	7/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	gu	202	10	-	8/24/74/74	0/4/4/4
26	PEB	ar	202	-	-	7/24/74/74	0/4/4/4
26	PEB	o7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dR	202	-	-	8/24/74/74	0/4/4/4
28	PUB	hN	203	-	-	7/24/74/74	0/4/4/4
26	PEB	A9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	k8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Y9	301	-	-	8/24/74/74	0/4/4/4
26	PEB	G4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	D2	302	-	-	8/24/74/74	0/4/4/4
26	PEB	w2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	gq	202	-	-	8/24/74/74	0/4/4/4
26	PEB	bN	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q6	201	-	-	8/24/74/74	0/4/4/4
28	PUB	a6	203	-	-	7/24/74/74	0/4/4/4
26	PEB	aY	402	-	-	8/24/74/74	0/4/4/4
26	PEB	x8	202	10	-	8/24/74/74	0/4/4/4
28	PUB	Y9	304	-	-	7/24/74/74	0/4/4/4
28	PUB	R4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	s2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	G6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	c6	1001	10	-	8/24/74/74	0/4/4/4
26	PEB	eA	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	T9	203	-	-	7/24/74/74	0/4/4/4
26	PEB	F8	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	A8	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ew	301	-	-	8/24/74/74	0/4/4/4
26	PEB	cw	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ld	201	-	-	8/24/74/74	0/4/4/4
26	PEB	m2	202	-	-	8/24/74/74	0/4/4/4
26	PEB	L5	201	-	-	8/24/74/74	0/4/4/4
26	PEB	J8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	y8	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	z3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	t4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	L5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	iE	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	I7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	ed	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hY	401	-	-	8/24/74/74	0/4/4/4
26	PEB	dx	402	-	-	8/24/74/74	0/4/4/4
26	PEB	dT	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aU	202	10	-	8/24/74/74	0/4/4/4
26	PEB	dO	202	-	-	8/24/74/74	0/4/4/4
26	PEB	F3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	x4	201	-	-	8/24/74/74	0/4/4/4
26	PEB	o5	202	-	-	8/24/74/74	0/4/4/4
26	PEB	T2	201	-	-	8/24/74/74	0/4/4/4
28	PUB	r4	202	11	-	7/24/74/74	0/4/4/4
26	PEB	hC	202	-	-	8/24/74/74	0/4/4/4
26	PEB	i2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hC	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cm	1002	10	-	8/24/74/74	0/4/4/4
28	PUB	dh	203	-	-	7/24/74/74	0/4/4/4
26	PEB	K6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	kU	1002	-	-	7/24/74/74	0/4/4/4
26	PEB	v4	202	-	-	7/24/74/74	0/4/4/4
26	PEB	dK	202	-	-	8/24/74/74	0/4/4/4
28	PUB	f2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	ga	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hZ	402	-	-	8/24/74/74	0/4/4/4
26	PEB	c7	201	-	-	8/24/74/74	0/4/4/4
26	PEB	J9	202	-	-	7/24/74/74	0/4/4/4
26	PEB	s3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	Y7	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	eh	202	-	-	8/24/74/74	0/4/4/4
26	PEB	hE	1002	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
28	PUB	A2	1006	-	-	7/24/74/74	0/4/4/4
28	PUB	eb	202	-	-	7/24/74/74	0/4/4/4
26	PEB	l8	202	-	-	8/24/74/74	0/4/4/4
27	CYC	z1	201	-	-	10/25/74/74	0/4/4/4
26	PEB	dn	201	-	-	8/24/74/74	0/4/4/4
26	PEB	J5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	eu	201	-	-	8/24/74/74	0/4/4/4
26	PEB	i7	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eG	202	10	-	8/24/74/74	0/4/4/4
26	PEB	hT	204	-	-	8/24/74/74	0/4/4/4
26	PEB	dJ	202	-	-	8/24/74/74	0/4/4/4
26	PEB	aE	201	-	-	8/24/74/74	0/4/4/4
26	PEB	fk	202	-	-	8/24/74/74	0/4/4/4
26	PEB	fh	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	gg	203	-	-	7/24/74/74	0/4/4/4
26	PEB	dR	201	-	-	8/24/74/74	0/4/4/4
26	PEB	dd	202	-	-	7/24/74/74	0/4/4/4
26	PEB	w7	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	E9	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bP	201	-	-	8/24/74/74	0/4/4/4
26	PEB	ez	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	fc	203	-	-	7/24/74/74	0/4/4/4
26	PEB	dE	201	-	-	8/24/74/74	0/4/4/4
26	PEB	aT	201	-	-	8/24/74/74	0/4/4/4
28	PUB	eH	203	-	-	7/24/74/74	0/4/4/4
26	PEB	dg	201	-	-	8/24/74/74	0/4/4/4
26	PEB	H3	202	-	-	7/24/74/74	0/4/4/4
26	PEB	lt	202	-	-	8/24/74/74	0/4/4/4
26	PEB	V4	201	-	-	8/24/74/74	0/4/4/4
29	PVN	D2	303	14	1/1/14/18	18/24/74/74	0/4/4/4
26	PEB	H3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	W6	202	-	-	8/24/74/74	0/4/4/4
26	PEB	c8	302	14	-	8/24/74/74	0/4/4/4
26	PEB	G2	202	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
26	PEB	t3	201	-	-	8/24/74/74	0/4/4/4
26	PEB	v5	202	-	-	7/24/74/74	0/4/4/4
26	PEB	e2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	hB	201	-	-	8/24/74/74	0/4/4/4
29	PVN	b8	1004	-	1/1/14/18	17/24/74/74	0/4/4/4
26	PEB	bP	202	-	-	7/24/74/74	0/4/4/4
26	PEB	lb	202	-	-	8/24/74/74	0/4/4/4
26	PEB	cD	202	-	-	8/24/74/74	0/4/4/4
28	PUB	bs	1004	11	-	7/24/74/74	0/4/4/4
28	PUB	ln	203	-	-	7/24/74/74	0/4/4/4
26	PEB	B3	202	-	-	7/24/74/74	0/4/4/4
28	PUB	z2	203	-	-	7/24/74/74	0/4/4/4
26	PEB	es	202	-	-	8/24/74/74	0/4/4/4
26	PEB	es	201	-	-	8/24/74/74	0/4/4/4
26	PEB	cT	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	V9	203	-	-	7/24/74/74	0/4/4/4
28	PUB	ey	1005	-	-	7/24/74/74	0/4/4/4
26	PEB	n8	201	-	-	7/24/74/74	0/4/4/4
28	PUB	z4	203	-	-	7/24/74/74	0/4/4/4
26	PEB	M3	202	-	-	8/24/74/74	0/4/4/4
26	PEB	n2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bm	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	ft	201	-	-	8/24/74/74	0/4/4/4
27	CYC	h1	201	-	-	10/25/74/74	0/4/4/4
26	PEB	a8	602	-	-	8/24/74/74	0/4/4/4
26	PEB	H8	202	-	-	8/24/74/74	0/4/4/4
26	PEB	y6	201	-	-	8/24/74/74	0/4/4/4
26	PEB	a9	603	-	-	8/24/74/74	0/4/4/4
28	PUB	fy	202	-	-	7/24/74/74	0/4/4/4
26	PEB	p7	201	-	-	7/24/74/74	0/4/4/4
26	PEB	u2	201	-	-	8/24/74/74	0/4/4/4
26	PEB	q4	202	-	-	8/24/74/74	0/4/4/4
26	PEB	eq	201	-	-	8/24/74/74	0/4/4/4
26	PEB	bV	201	-	-	8/24/74/74	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
27	CYC	a1	201	-	-	9/25/74/74	0/4/4/4
26	PEB	kT	1001	-	-	8/24/74/74	0/4/4/4
28	PUB	ll	203	-	-	7/24/74/74	0/4/4/4
26	PEB	gc	201	-	-	8/24/74/74	0/4/4/4
26	PEB	kX	1001	-	-	8/24/74/74	0/4/4/4
26	PEB	dI	1002	-	-	8/24/74/74	0/4/4/4
26	PEB	as	202	-	-	8/24/74/74	0/4/4/4

The worst 5 of 11802 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
27	X1	201	CYC	CHA-C1A	15.87	1.48	1.35
27	V1	201	CYC	CHA-C1A	15.86	1.48	1.35
27	R1	1001	CYC	CHA-C1A	15.85	1.48	1.35
27	i1	1001	CYC	CHA-C1A	15.85	1.48	1.35
27	I1	201	CYC	CHA-C1A	15.84	1.48	1.35

The worst 5 of 17239 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
29	Z5	304	PVN	C5-C4-N1	16.81	133.47	113.95
29	44	303	PVN	C5-C4-N1	16.79	133.45	113.95
29	Z9	1004	PVN	C5-C4-N1	14.94	131.29	113.95
29	U8	1004	PVN	C5-C4-N1	14.90	131.24	113.95
29	dw	404	PVN	C5-C4-N1	14.20	130.44	113.95

5 of 36 chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
29	A2	1004	PVN	C4
29	C2	303	PVN	C4
29	D2	303	PVN	C4
29	a3	1004	PVN	C4
29	c3	303	PVN	C4

5 of 16017 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
26	A1	301	PEB	C1C-C2C-CAC-CBC
26	A1	301	PEB	C3C-C2C-CAC-CBC

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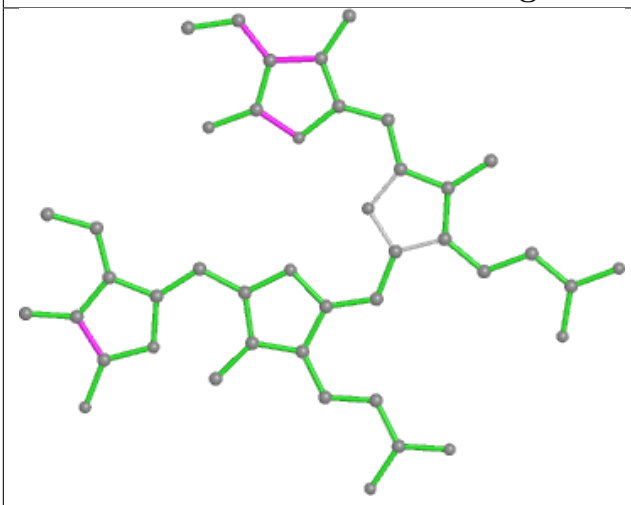
Mol	Chain	Res	Type	Atoms
26	A1	301	PEB	NB-C1B-CHA-C4A
26	A1	301	PEB	C2B-C1B-CHA-C4A
26	B1	301	PEB	C1C-C2C-CAC-CBC

There are no ring outliers.

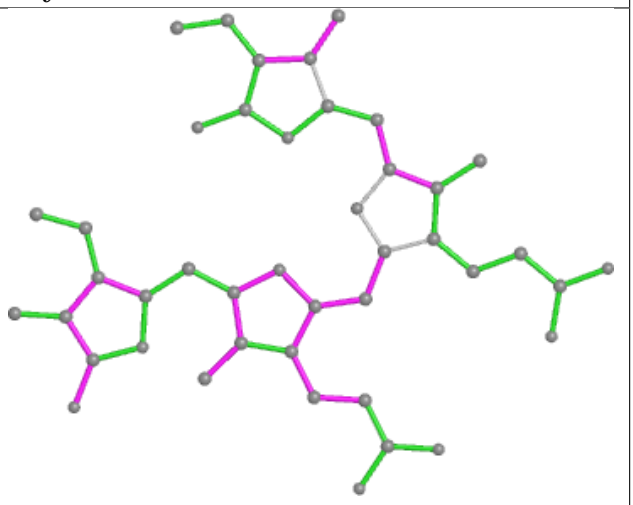
No monomer is involved in short contacts.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

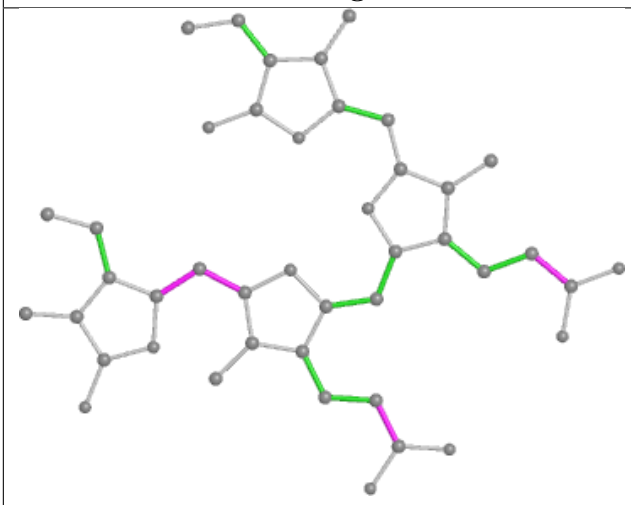
Ligand PEB y2 202



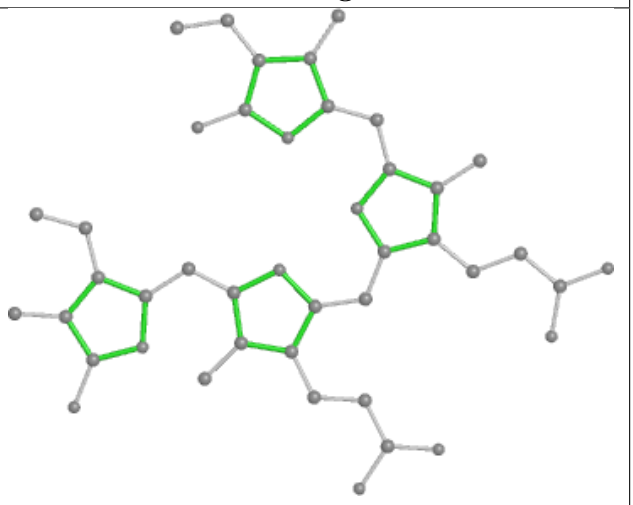
Bond lengths



Bond angles

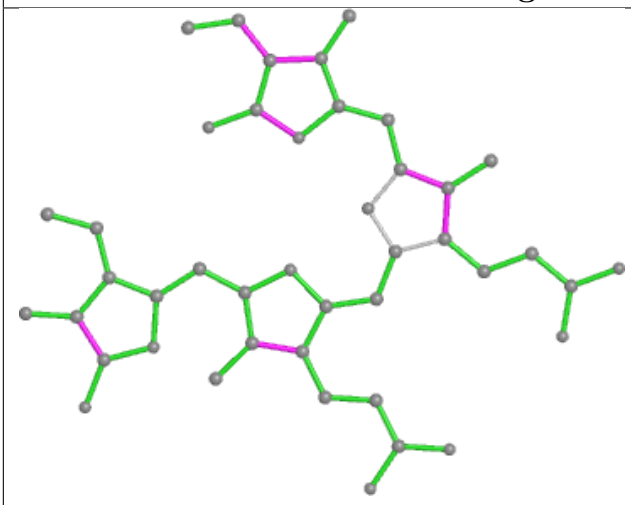


Torsions



Rings

Ligand PEB L7 201



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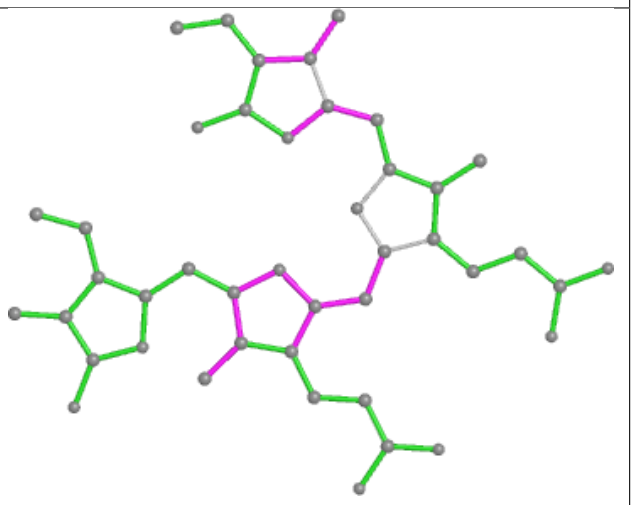

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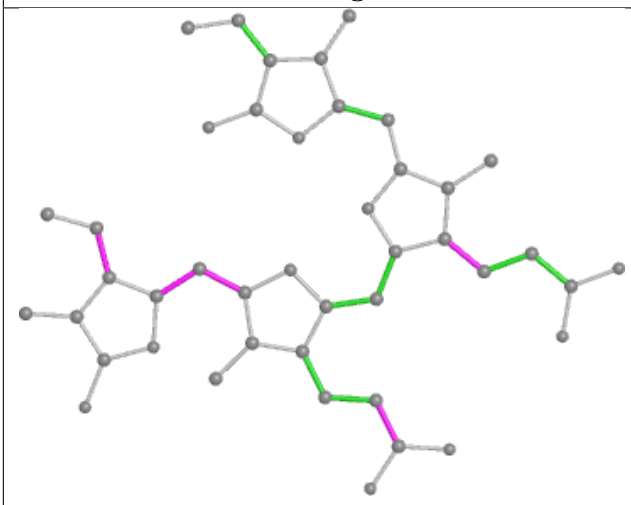

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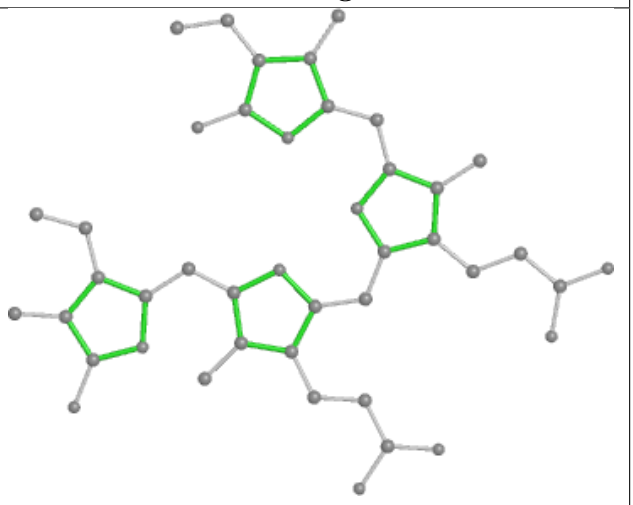
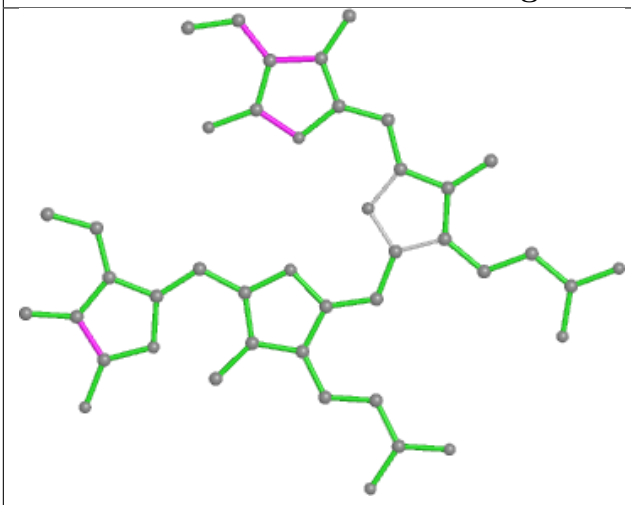


Rings

Ligand PEB ea 202



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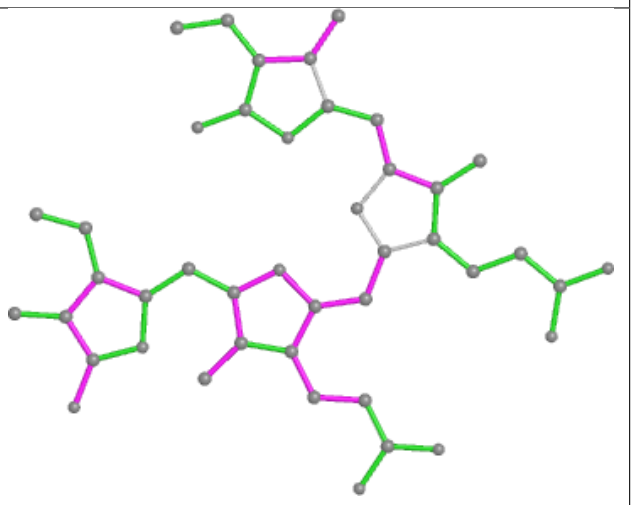

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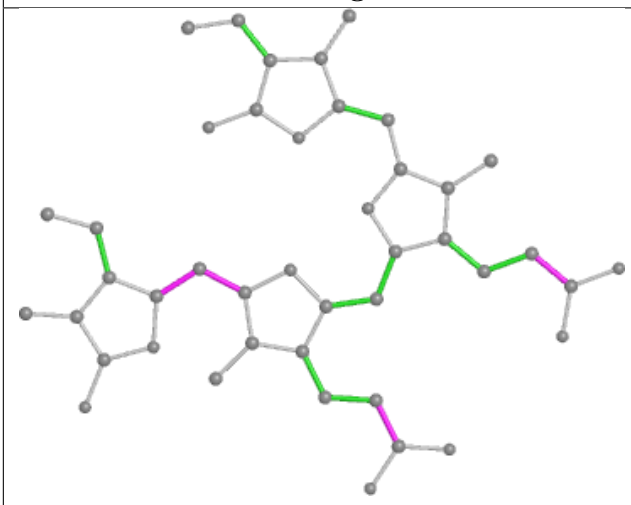

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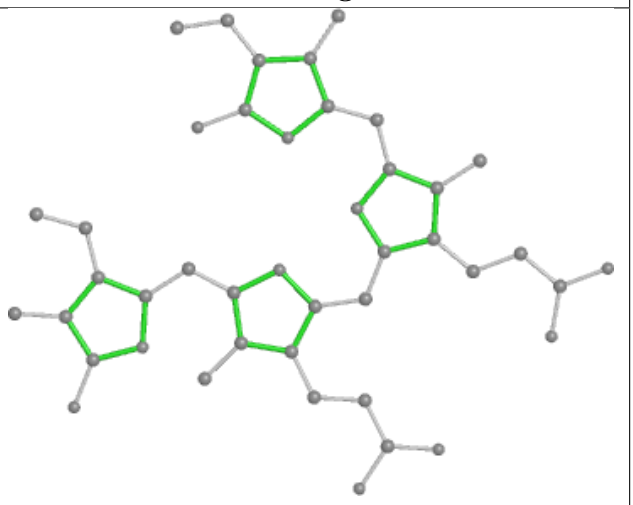
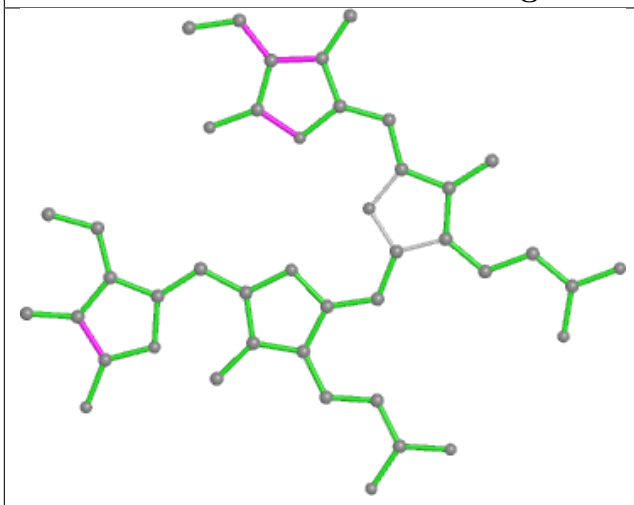


Rings

Ligand PEB g3 201



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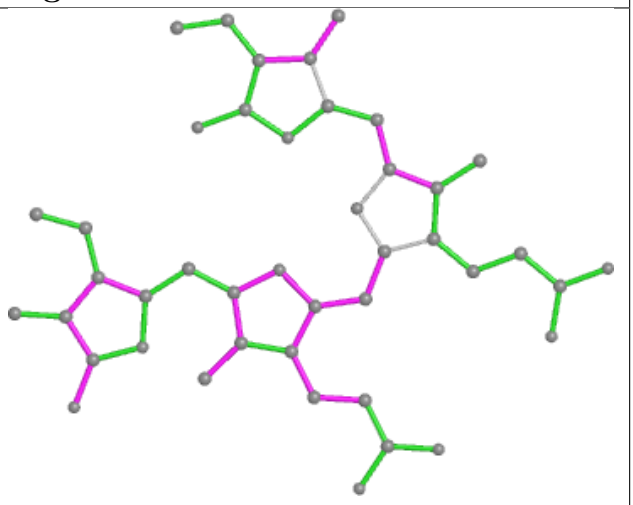

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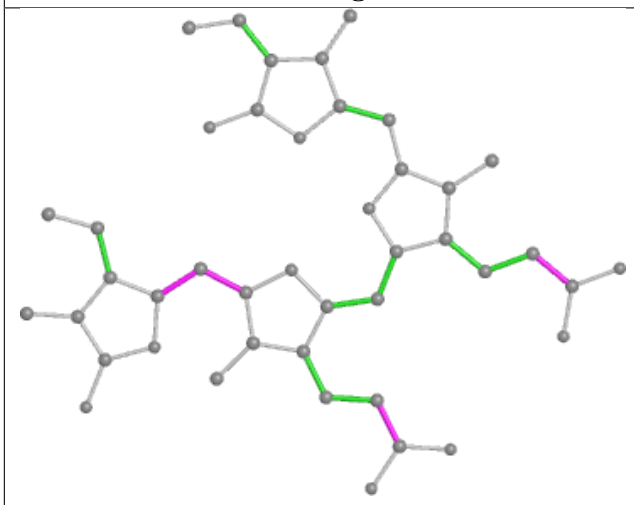

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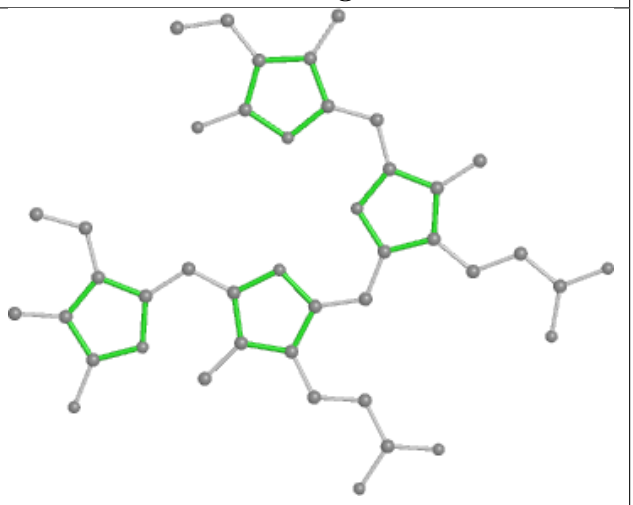
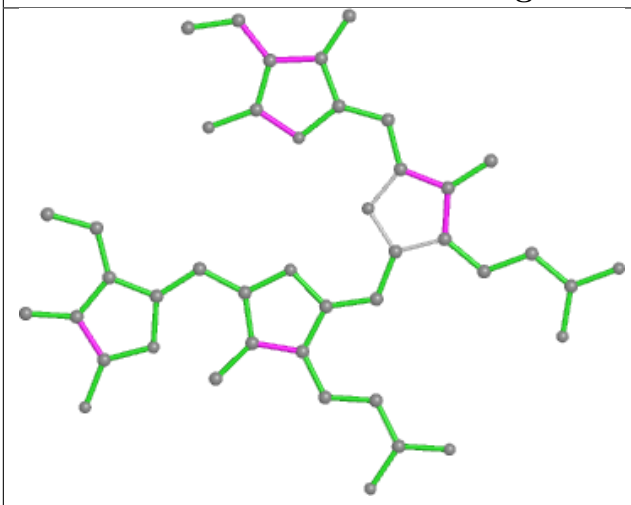


Rings

Ligand PEB V7 202



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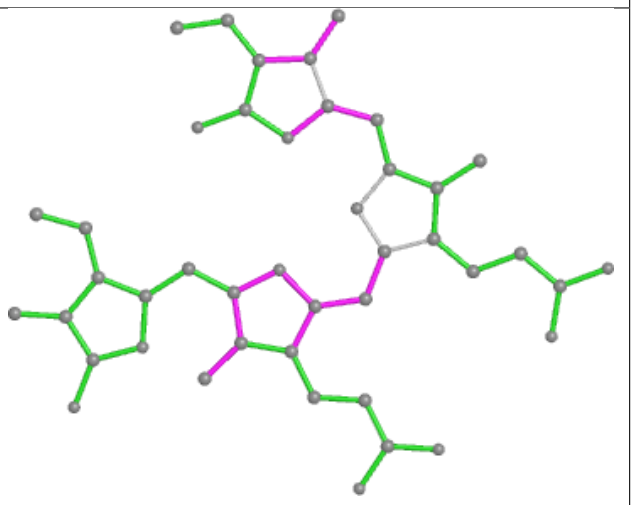

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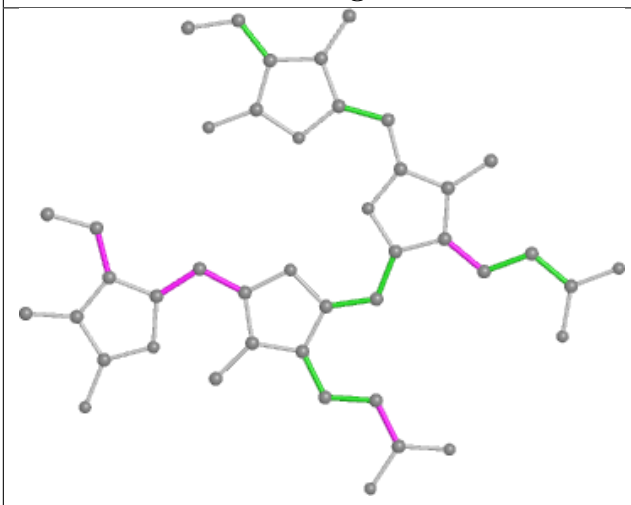

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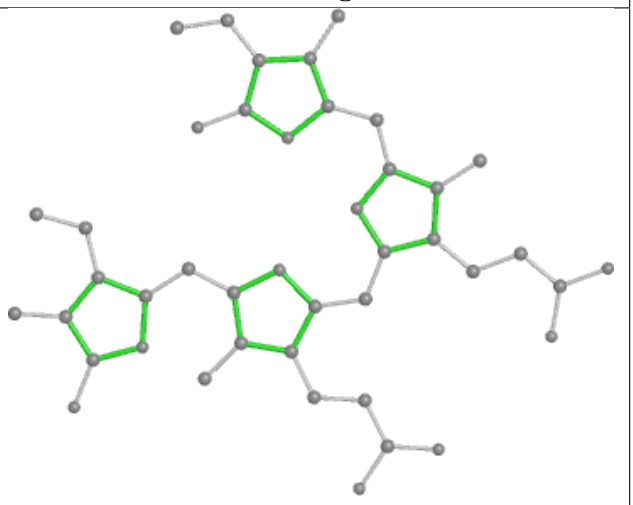
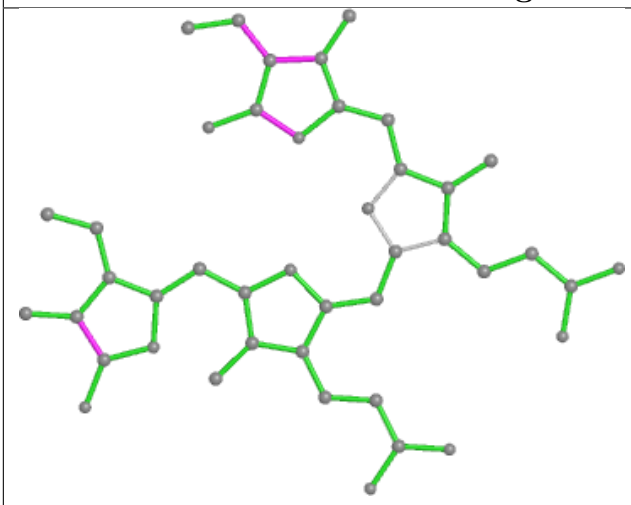


Rings

Ligand PEB aD 201



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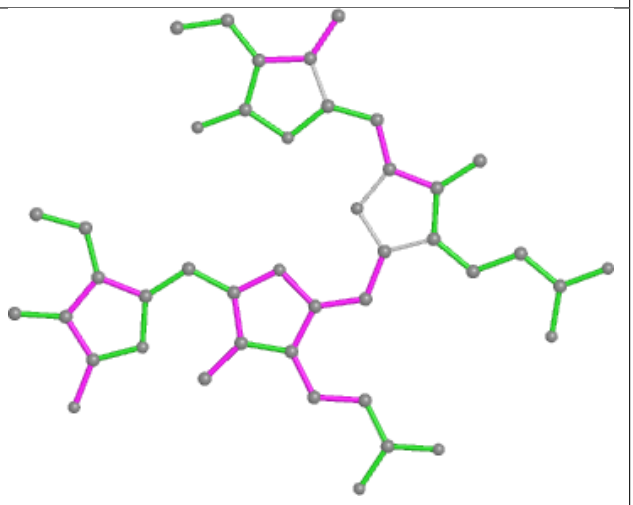
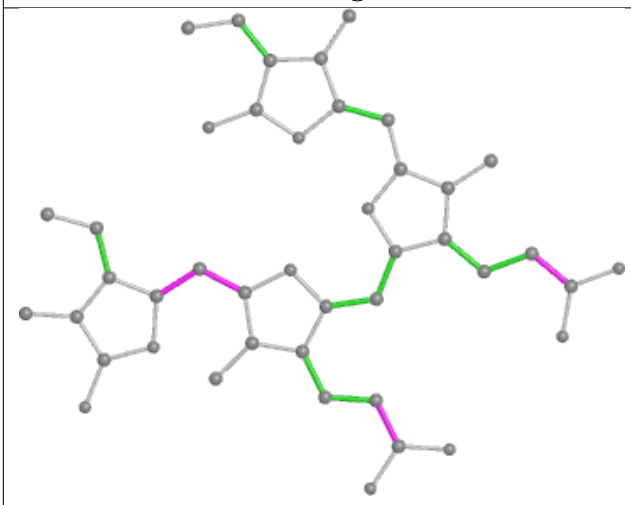


Bond angles



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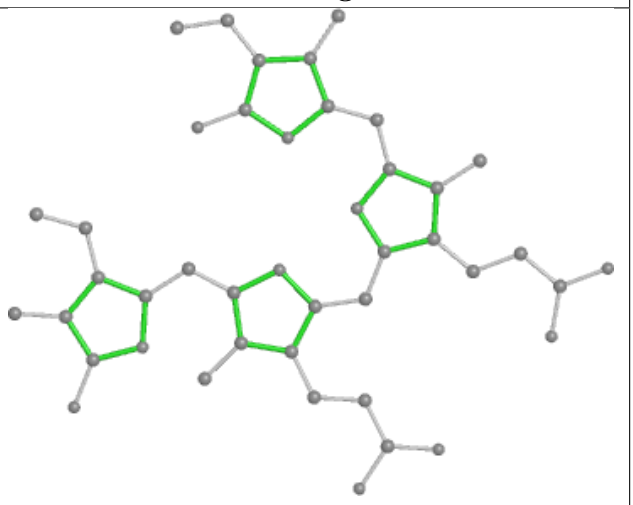
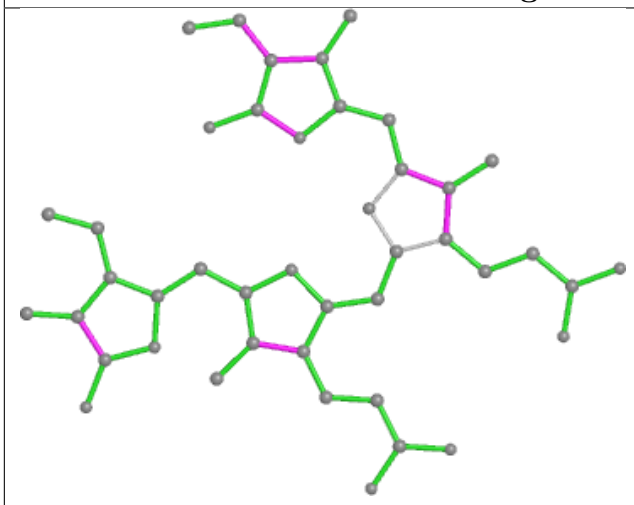


Rings

Ligand PEB J3 202



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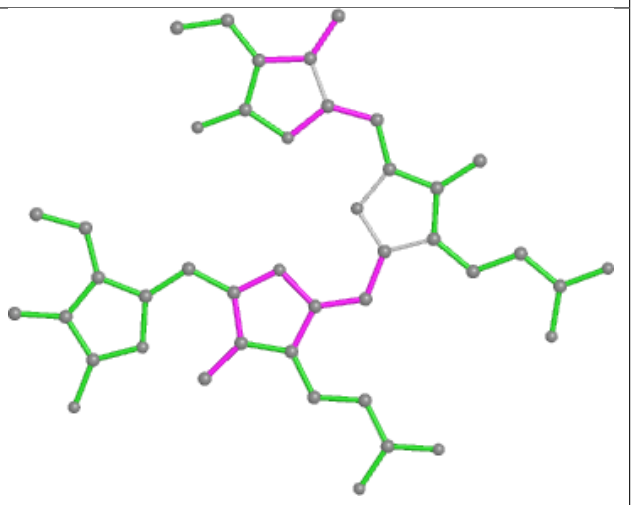

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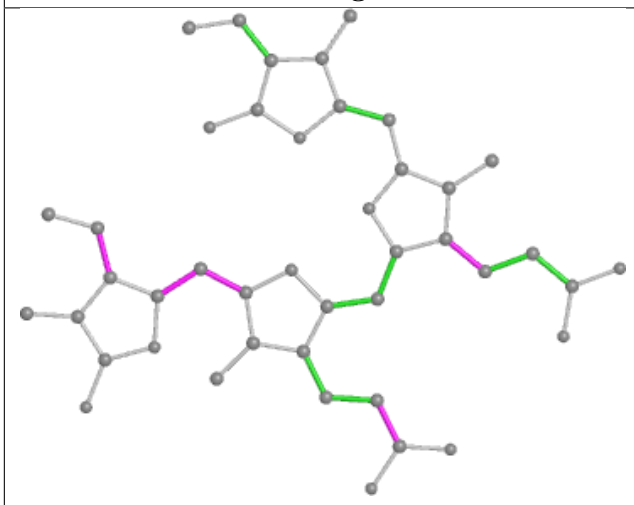

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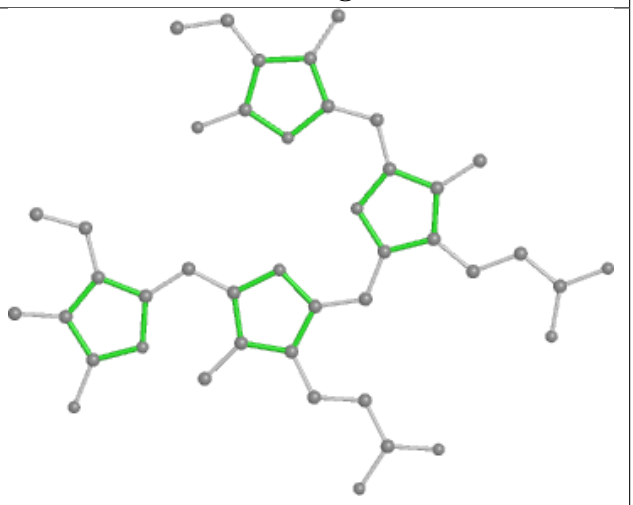

Rings

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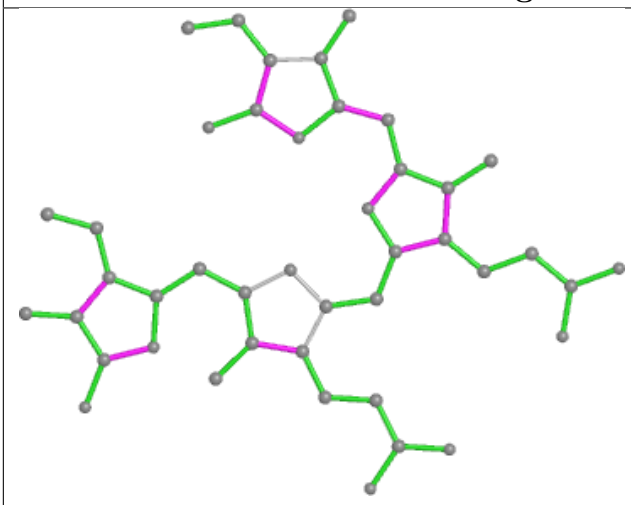

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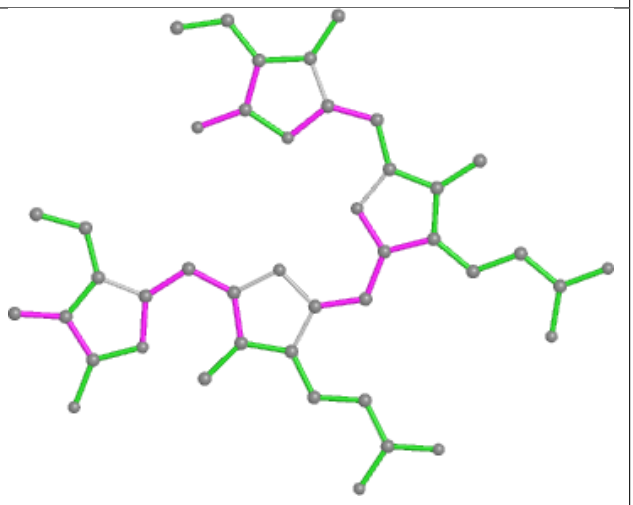

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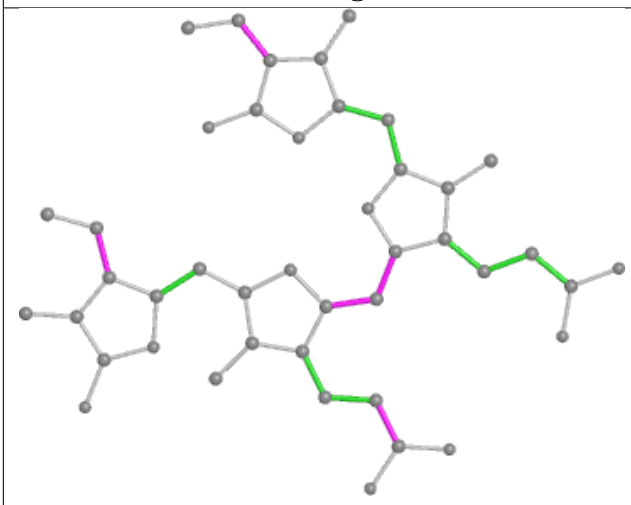

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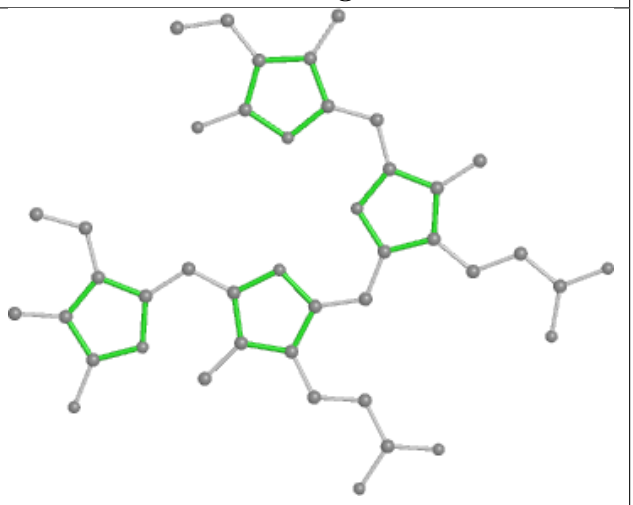

Rings

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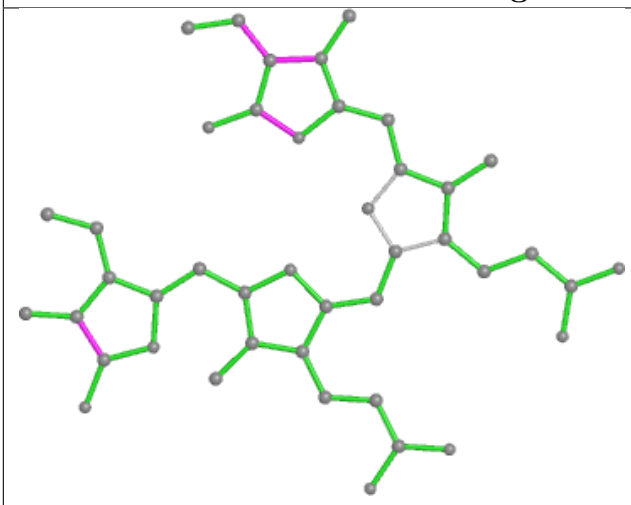

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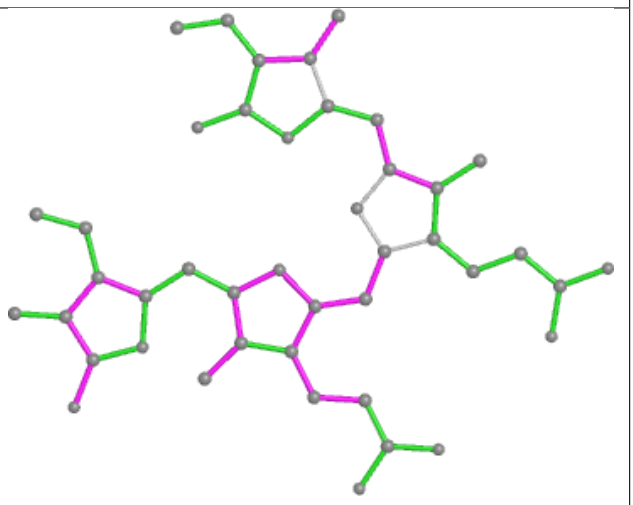

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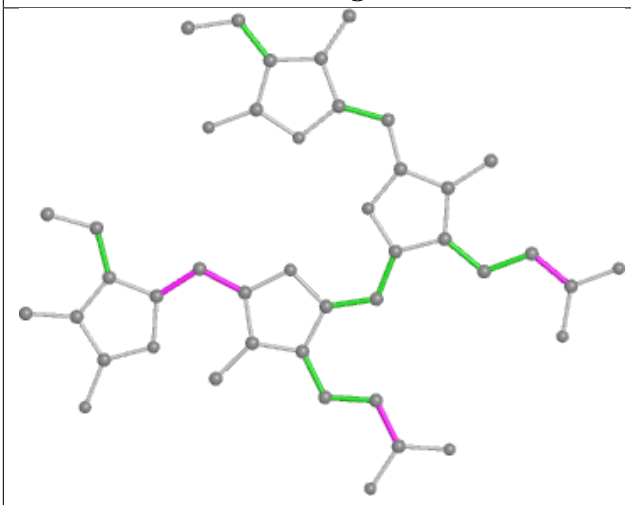

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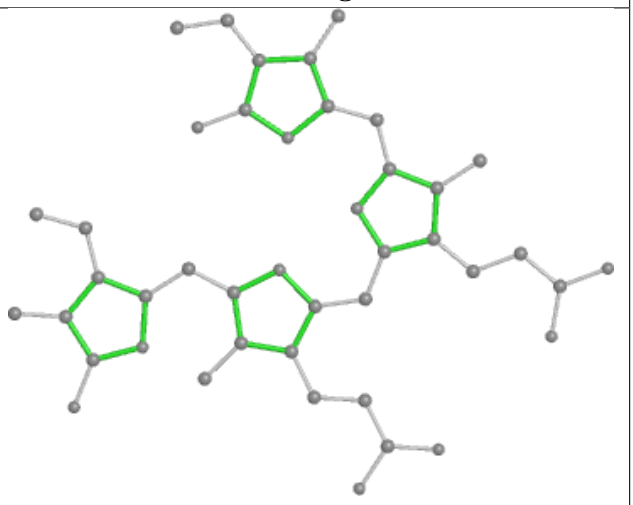
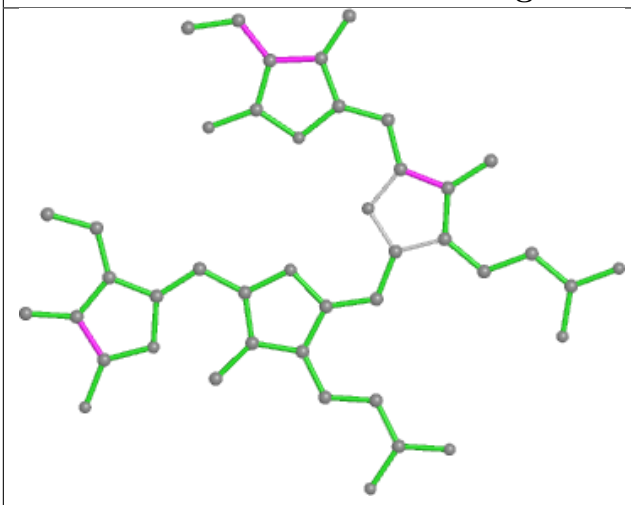


Rings

Ligand PEB cG 202



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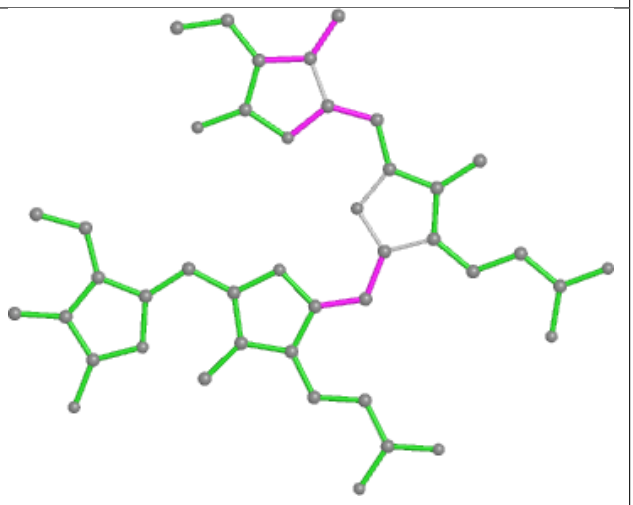

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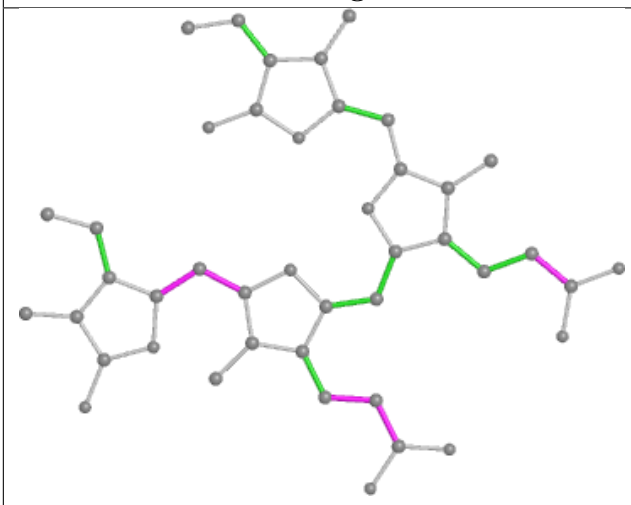

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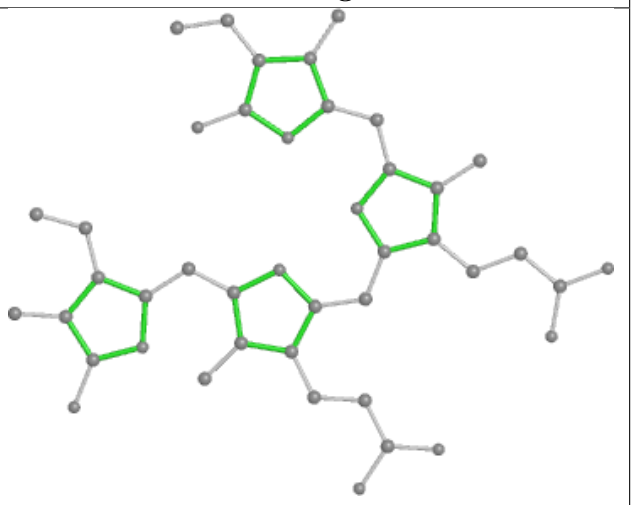
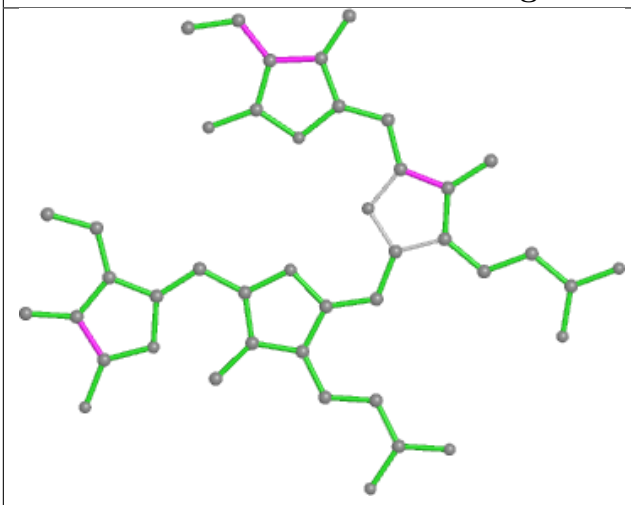


Rings

Ligand PEB ev 201



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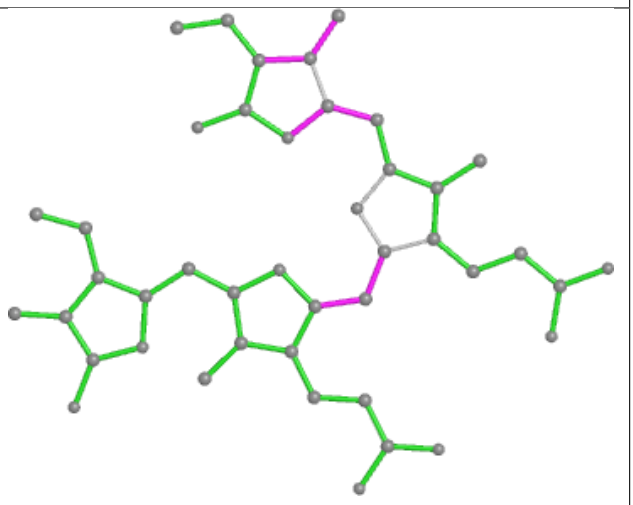

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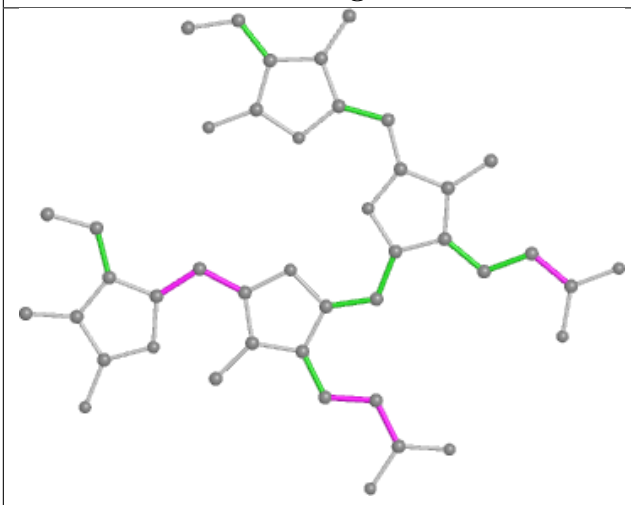

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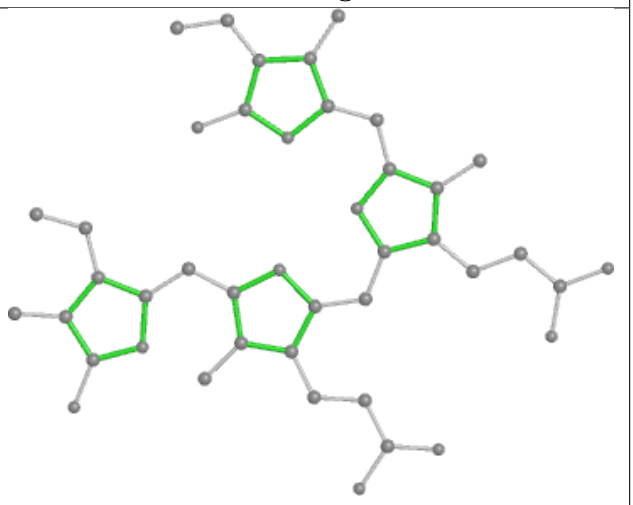
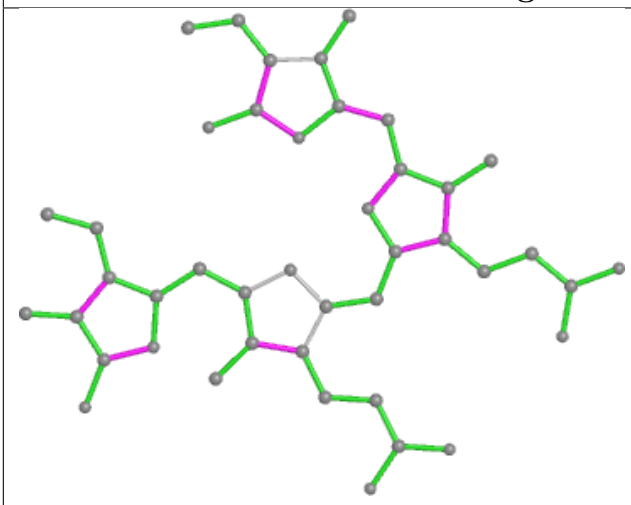


Rings

Ligand PUB x6 203



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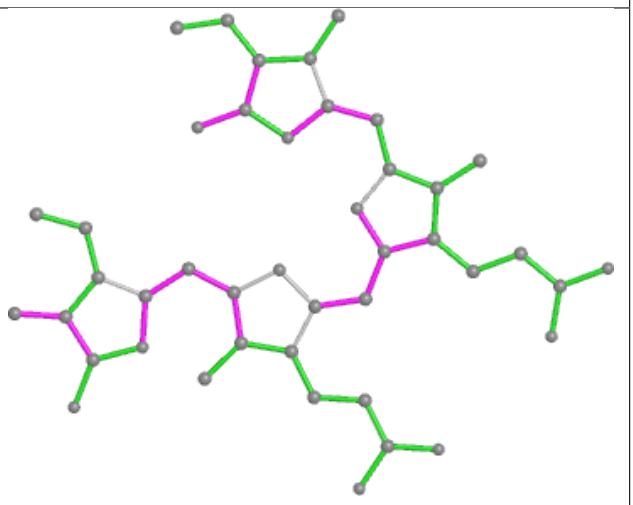

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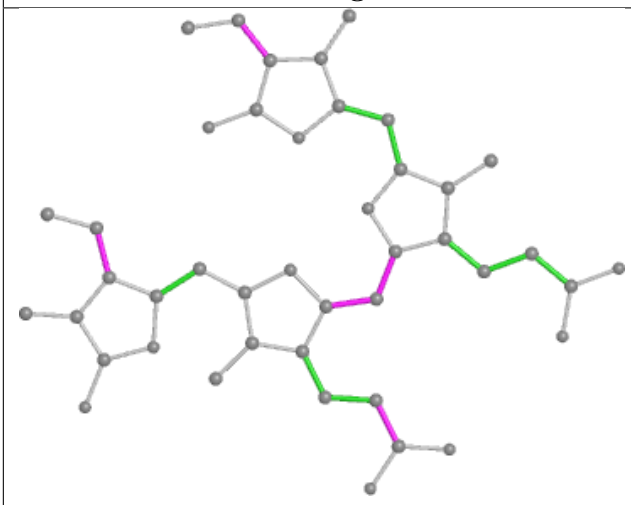

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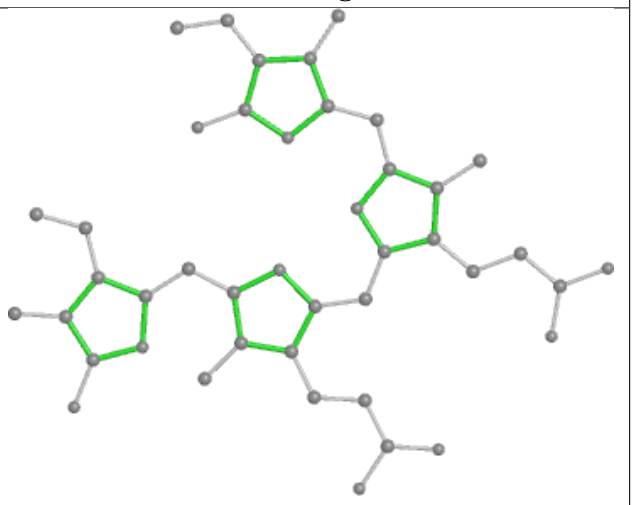
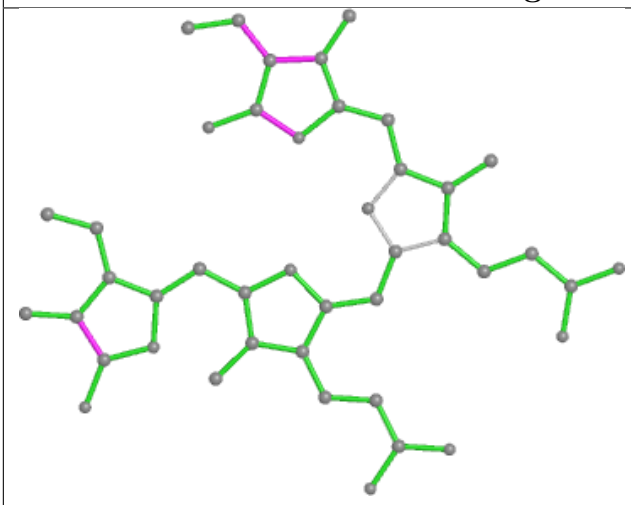


Rings

Ligand PEB ai 201



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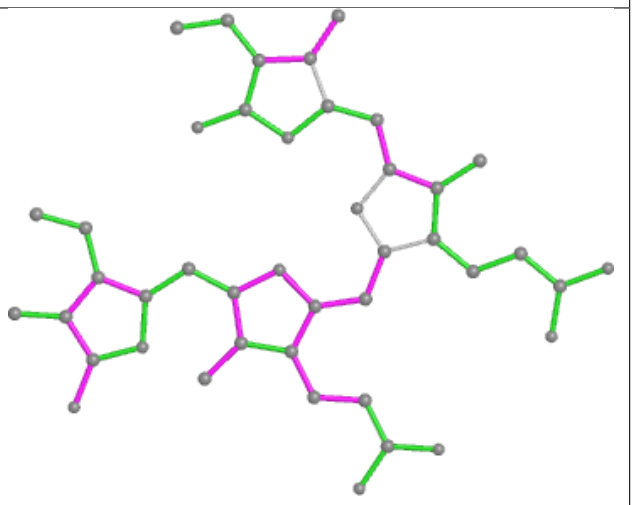

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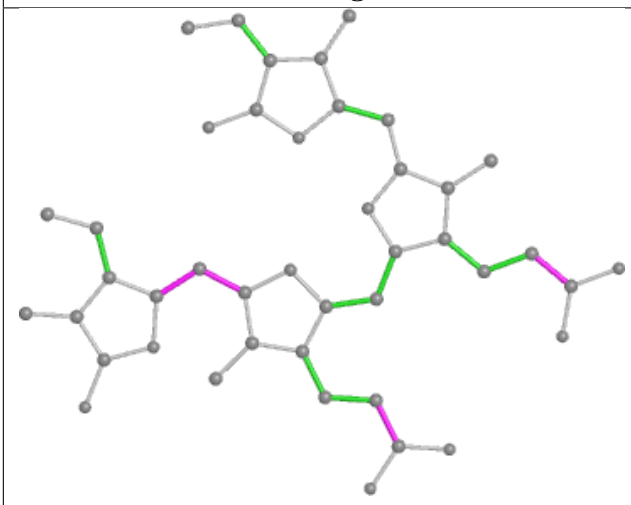

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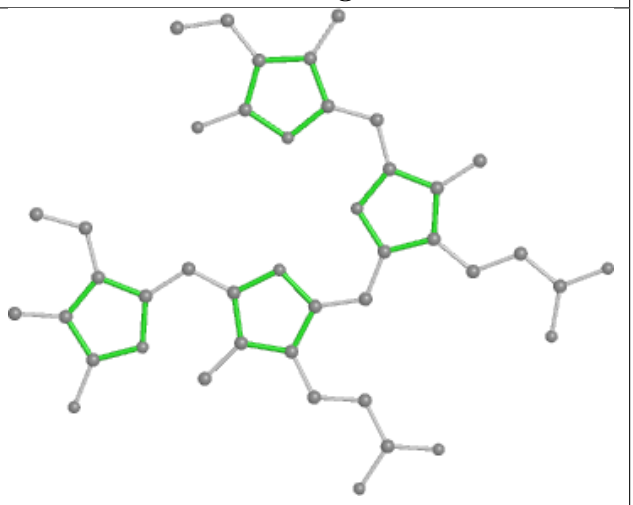
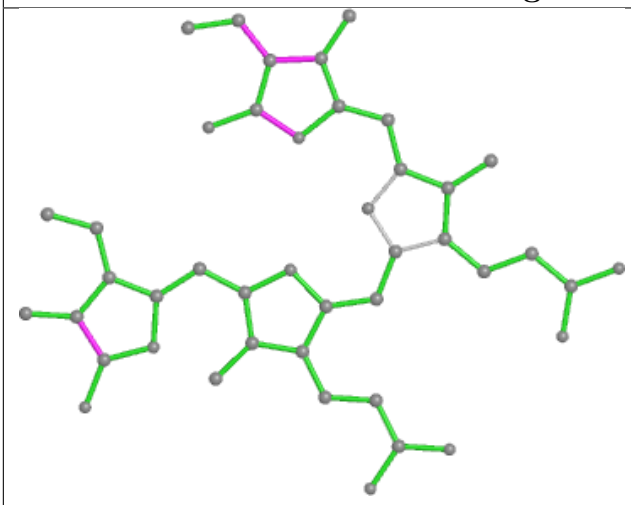


Rings

Ligand PEB f7 201



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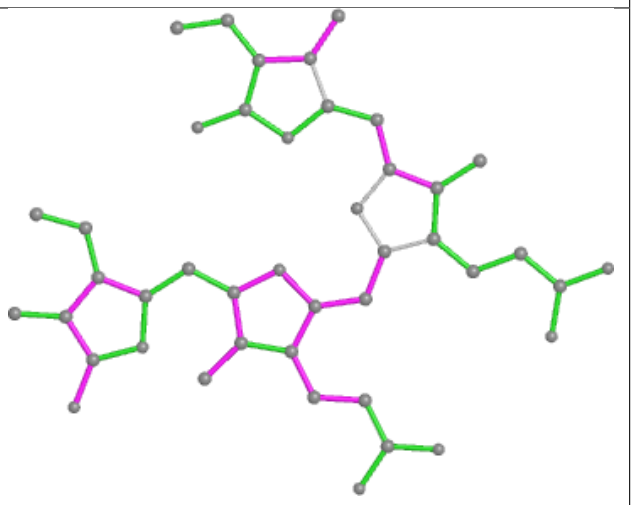
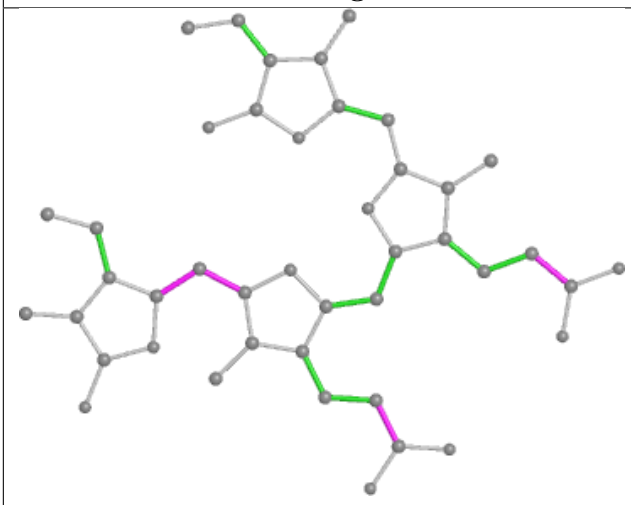
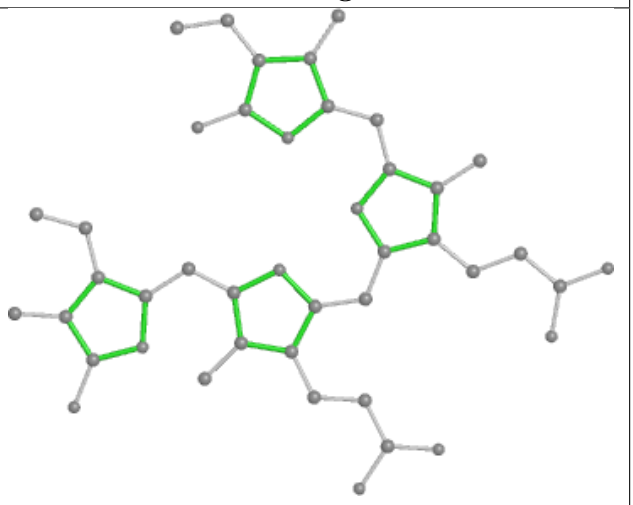


Bond angles

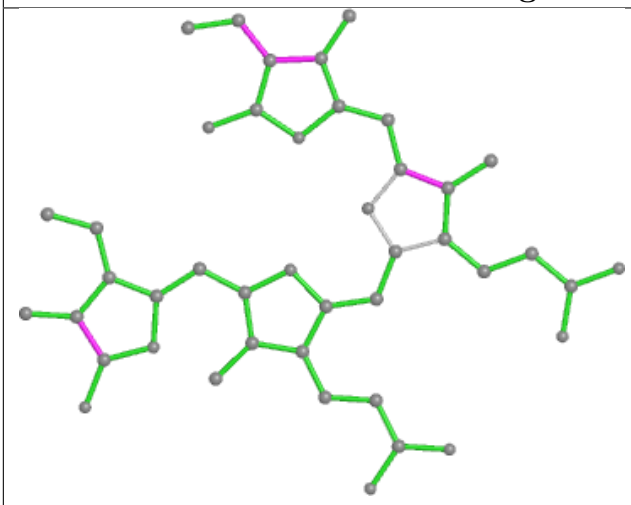


Torsions



Rings

Ligand PEB au 202



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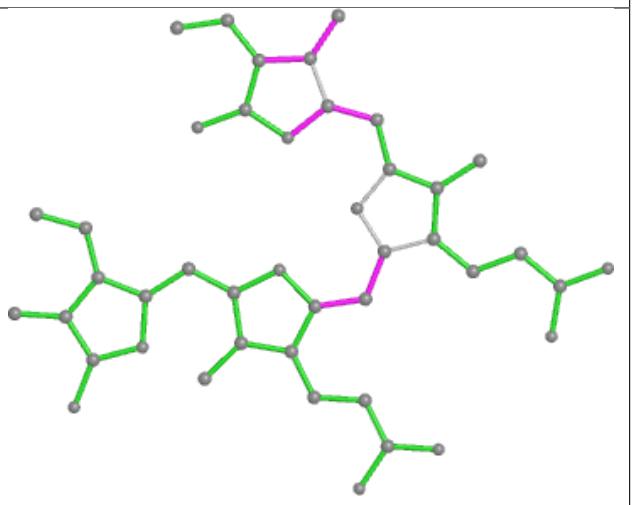

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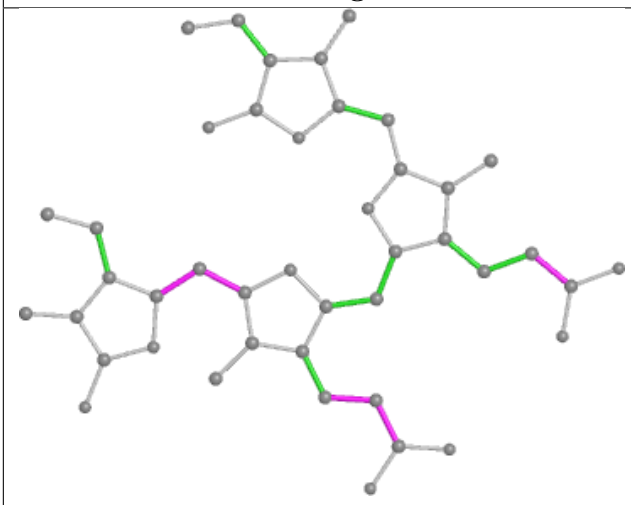

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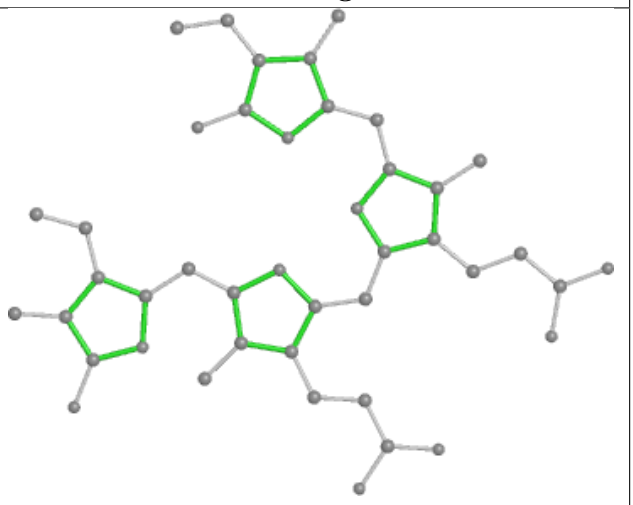
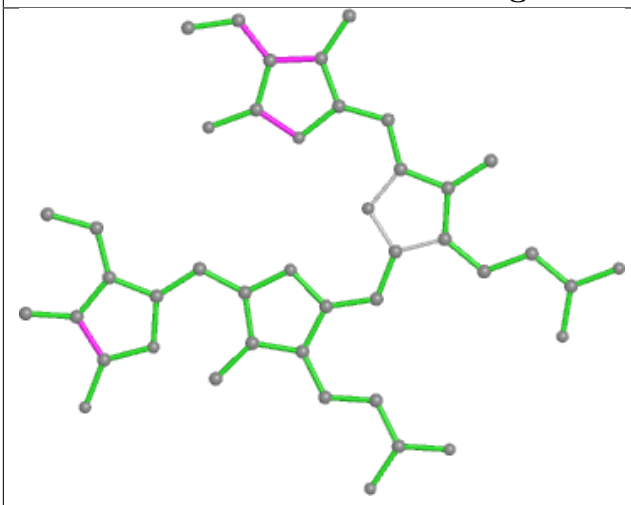


Rings

Ligand PEB kS 1001



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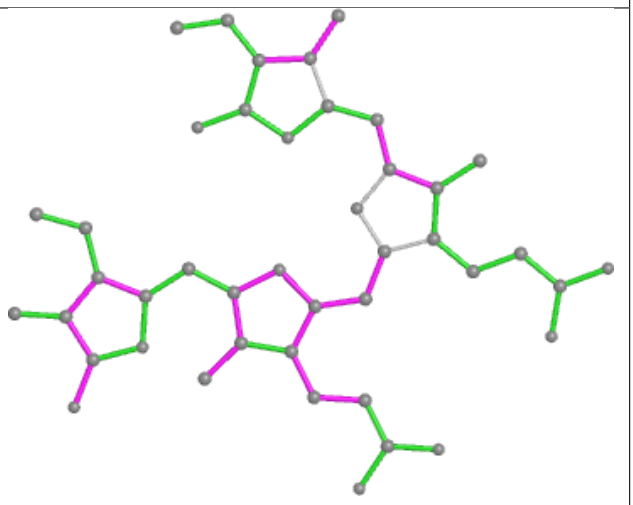

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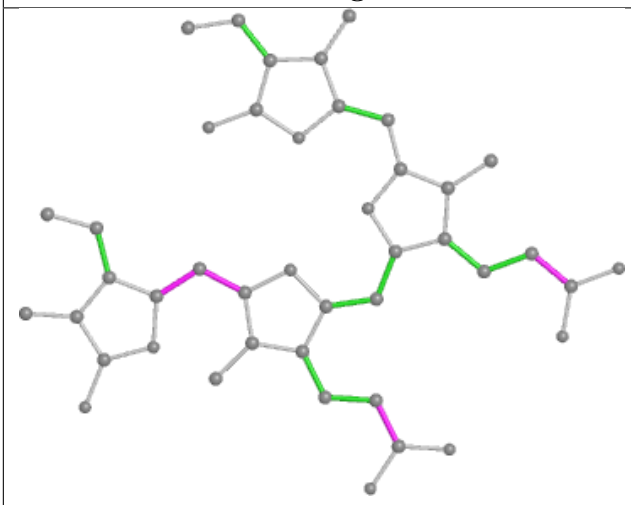

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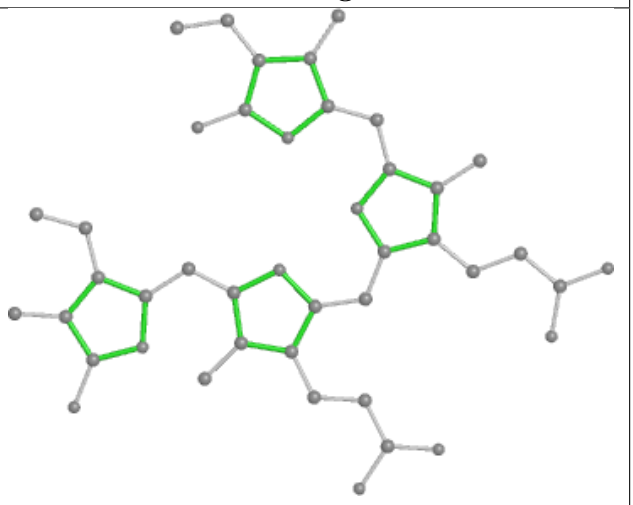
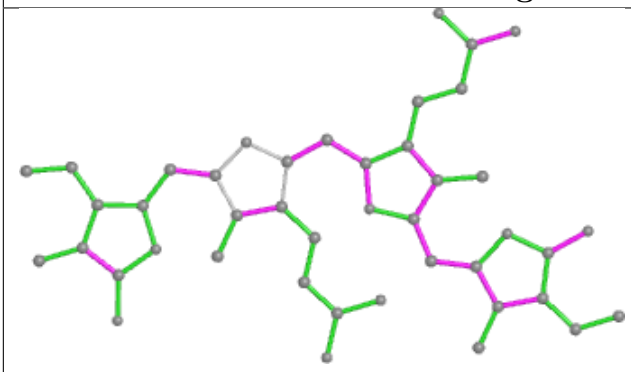


Rings

Ligand CYC n1 201



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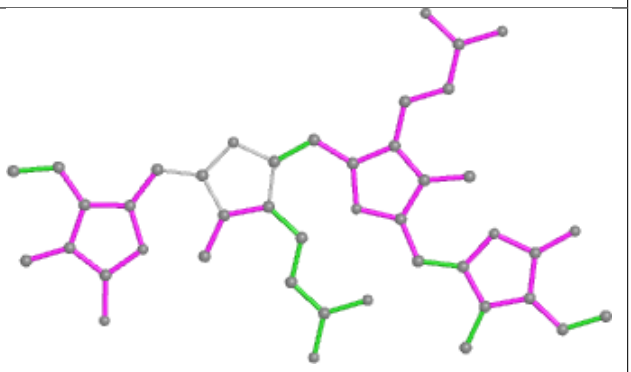

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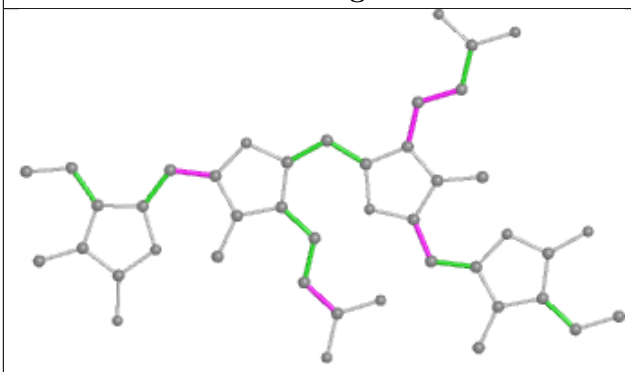

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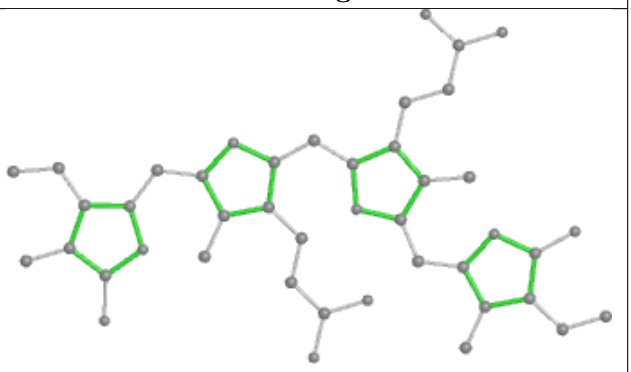
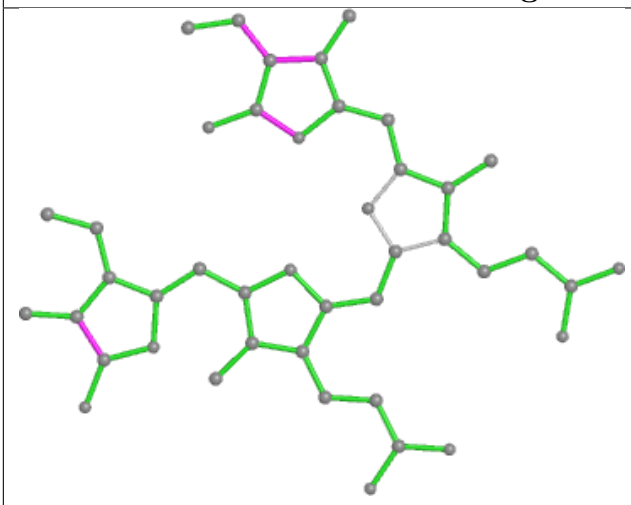


Rings

Ligand PEB z6 202



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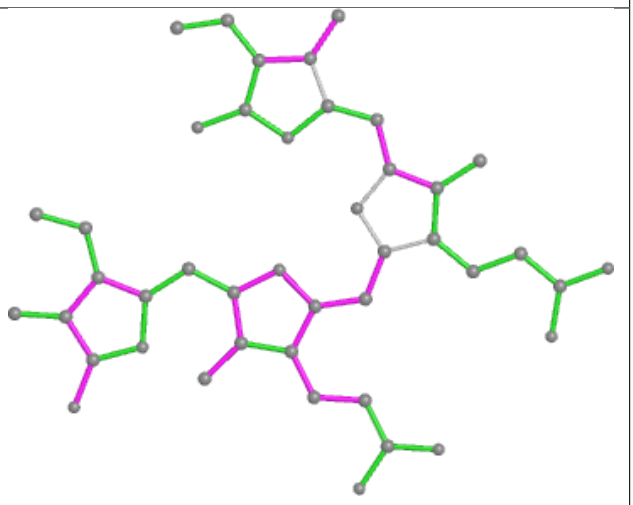

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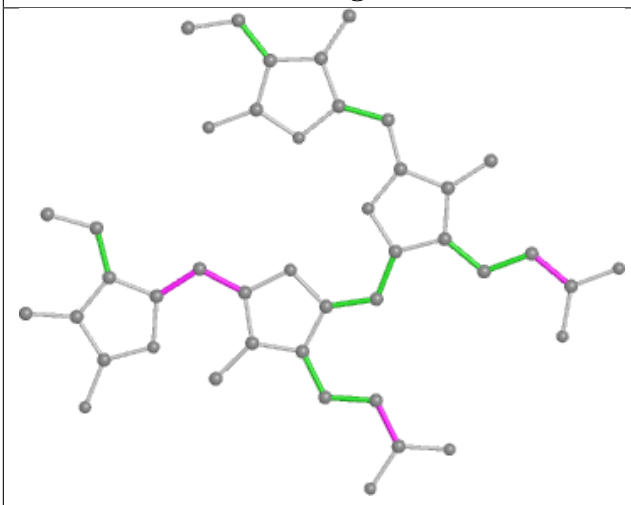

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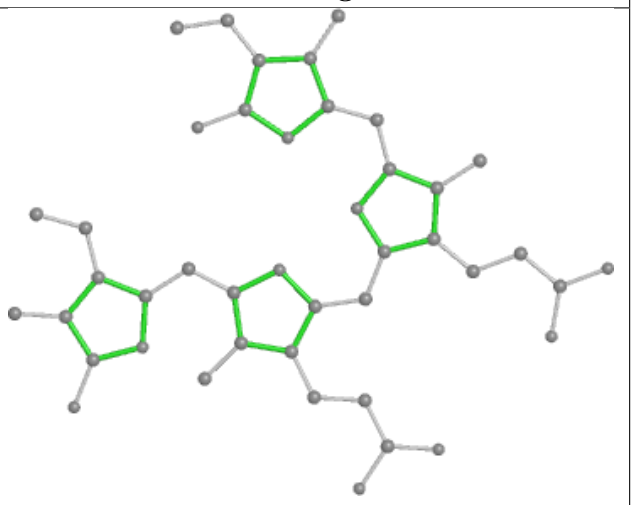

Rings

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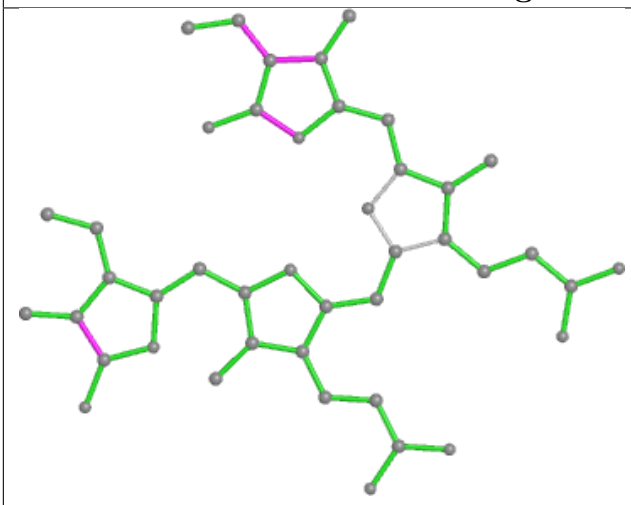

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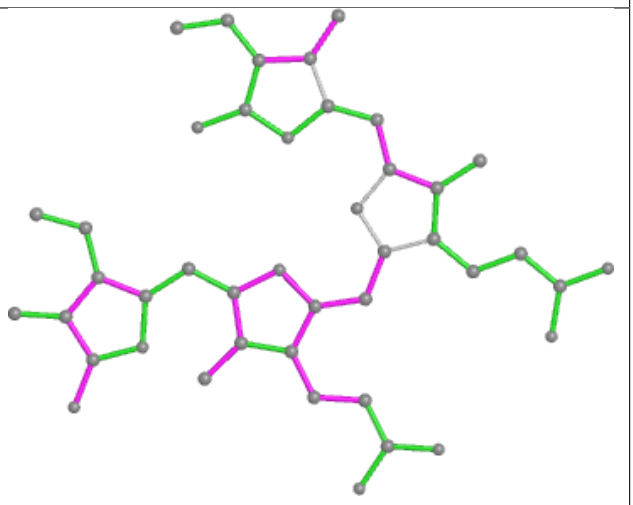

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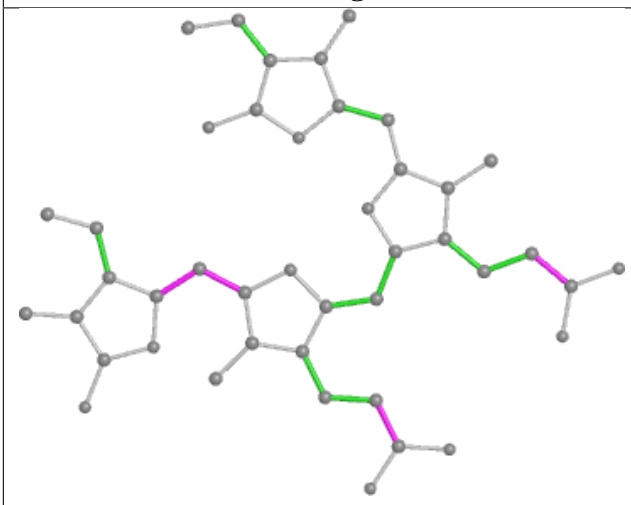

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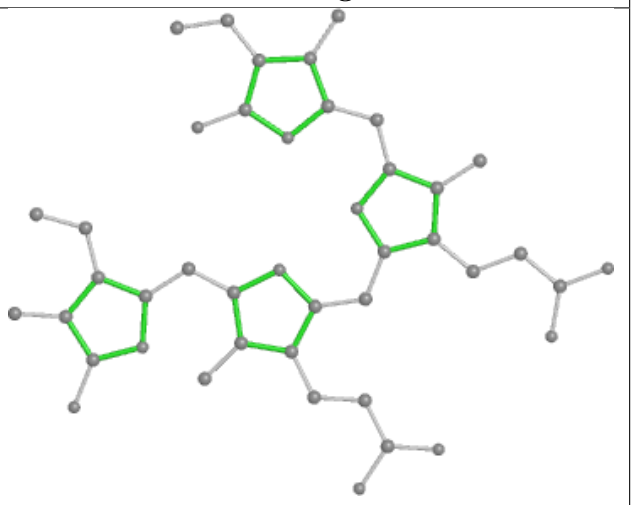
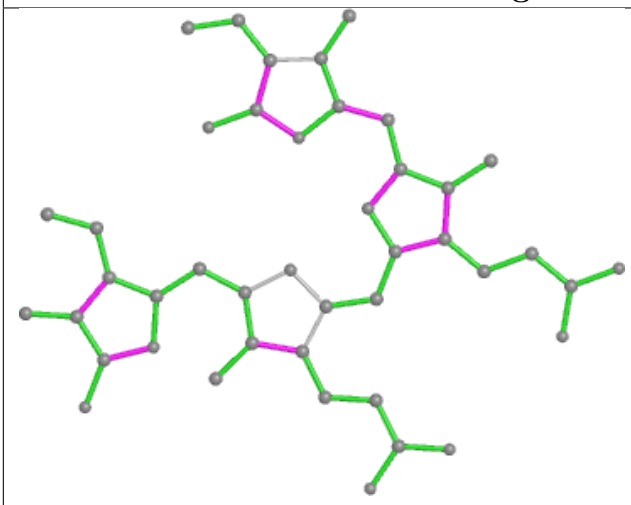


Rings

Ligand PUB hX 203



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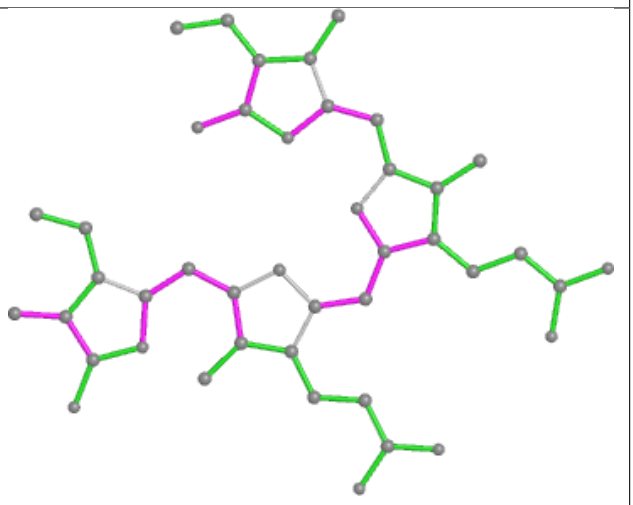

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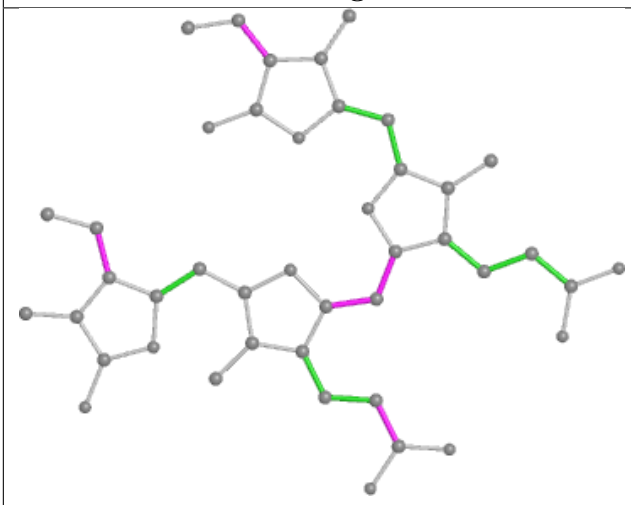

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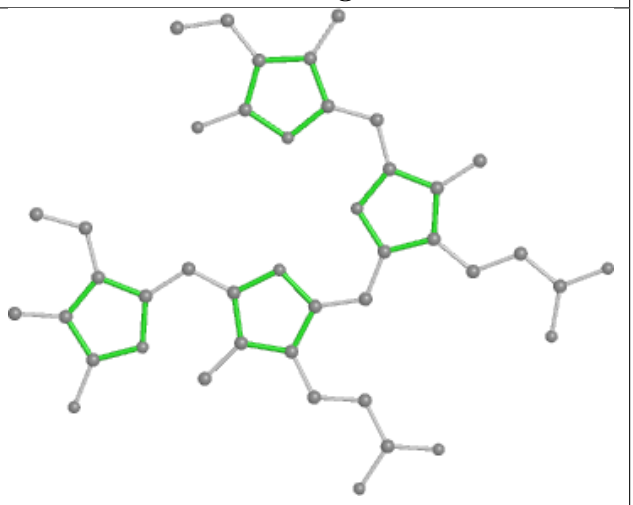
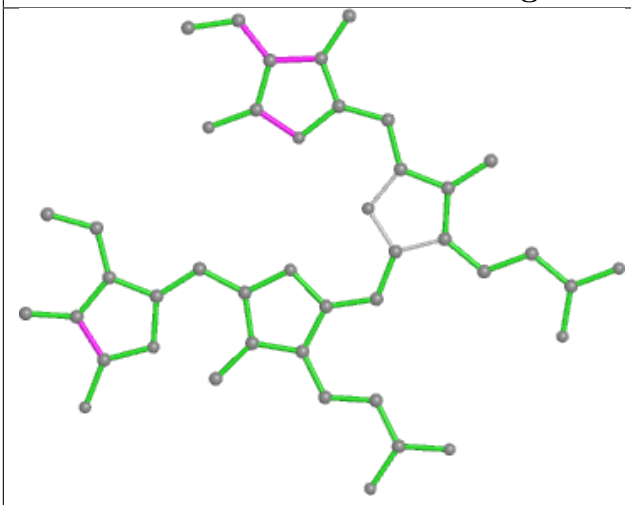


Rings

Ligand PEB ge 201



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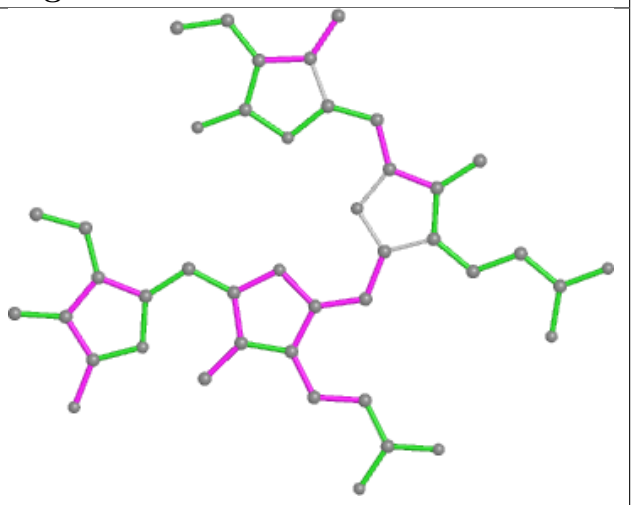

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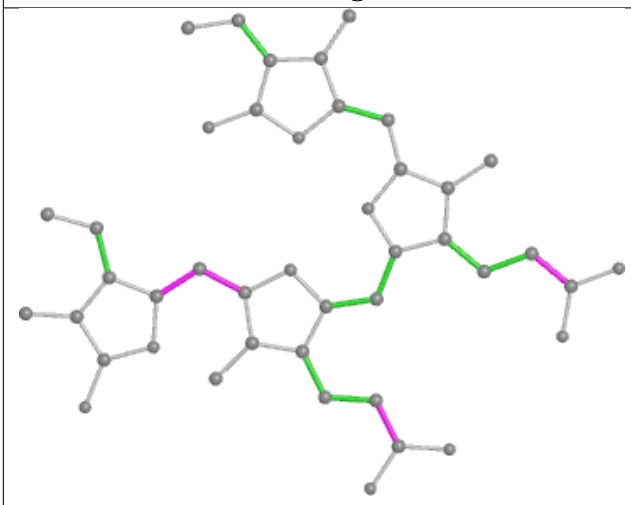

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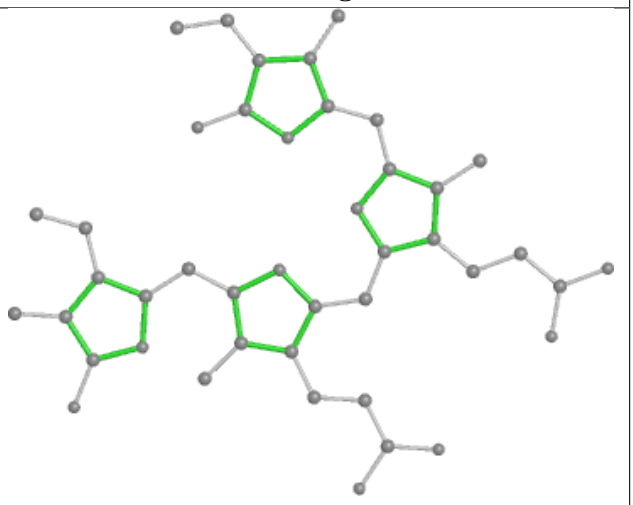
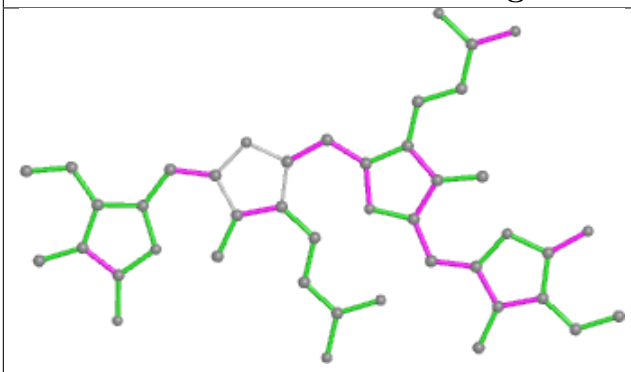


Rings

Ligand CYC u1 1001



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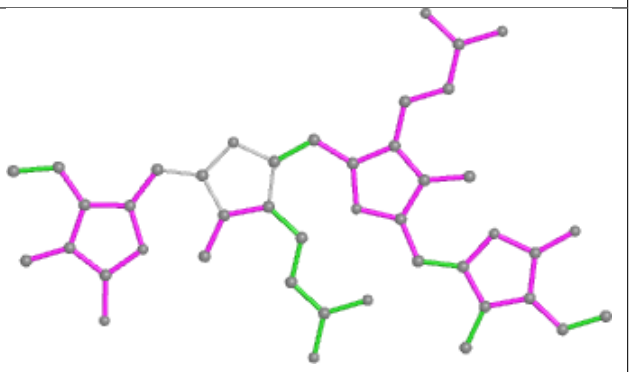

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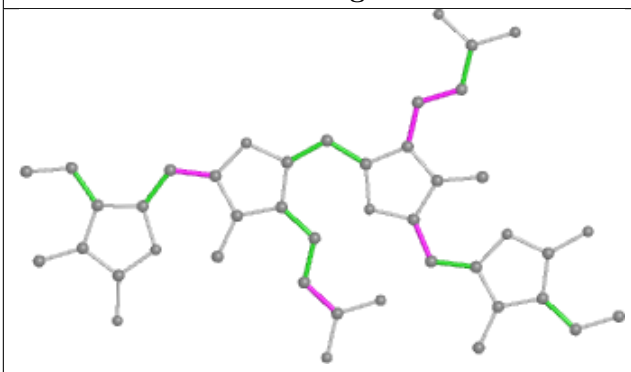

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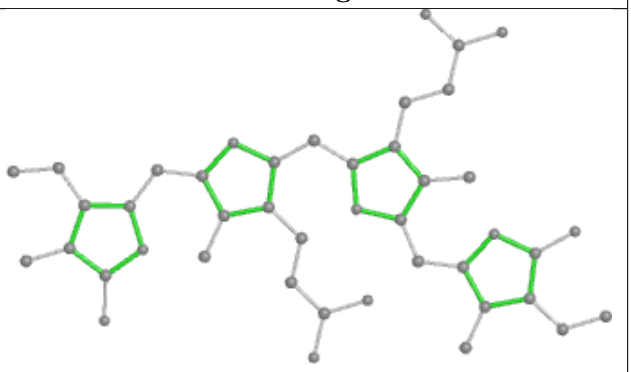
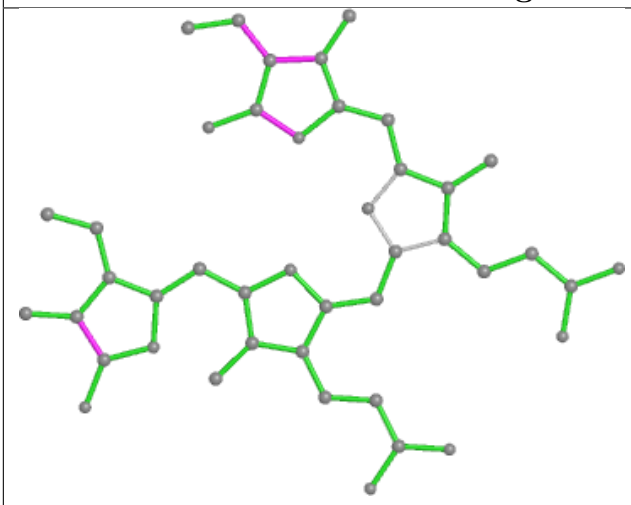


Rings

Ligand PEB eK 201



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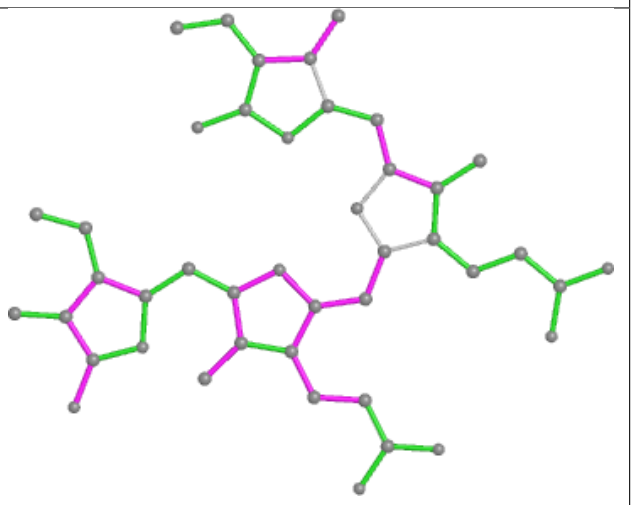

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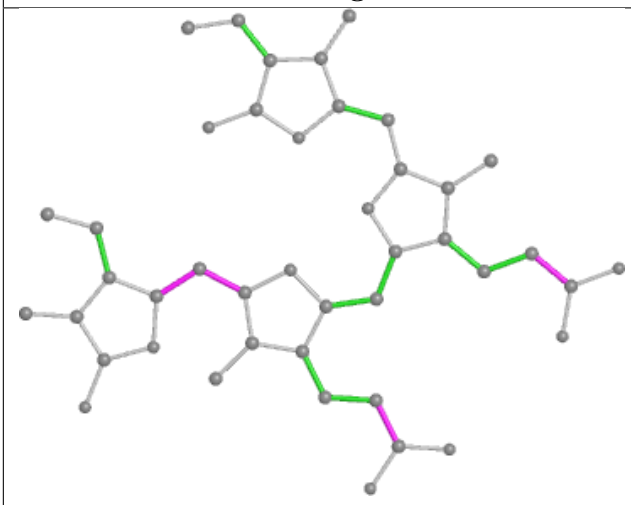

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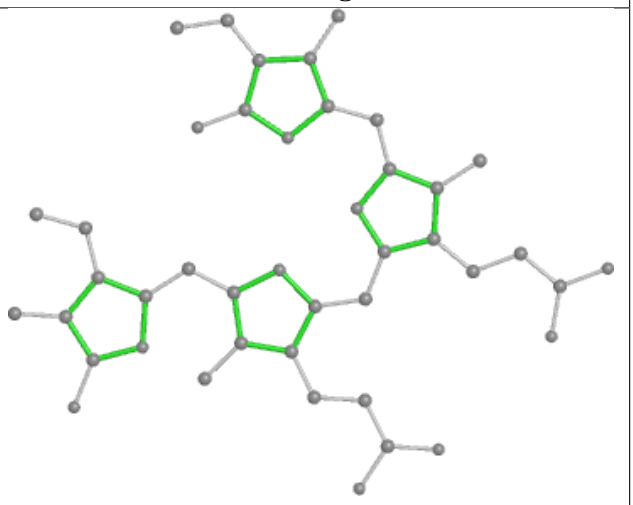

Rings

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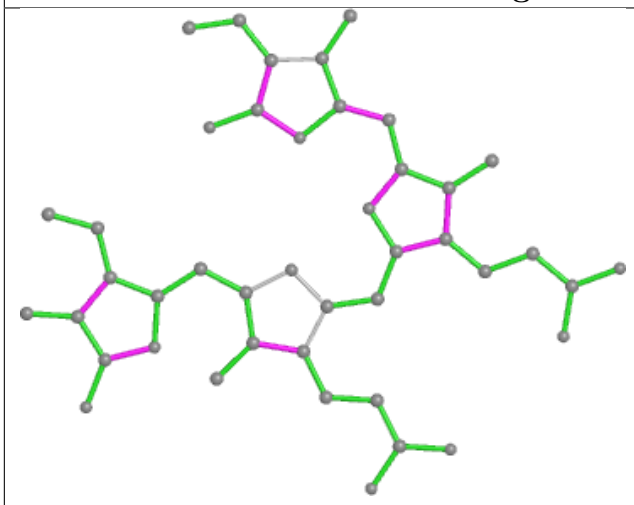

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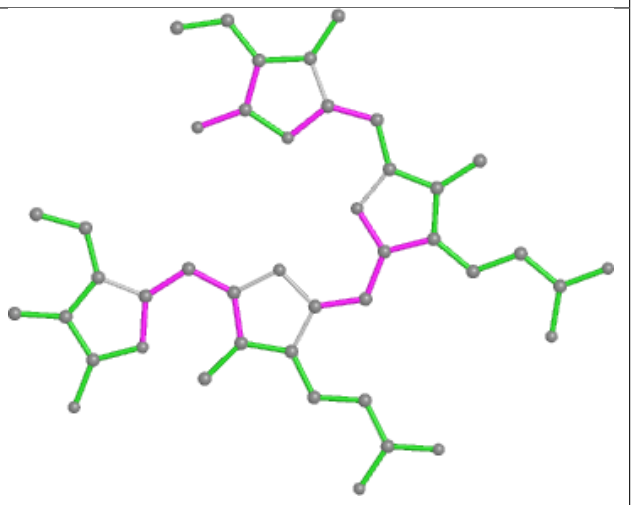

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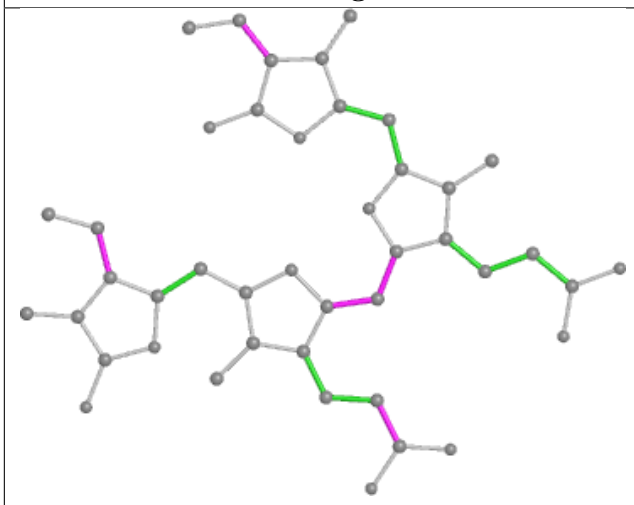

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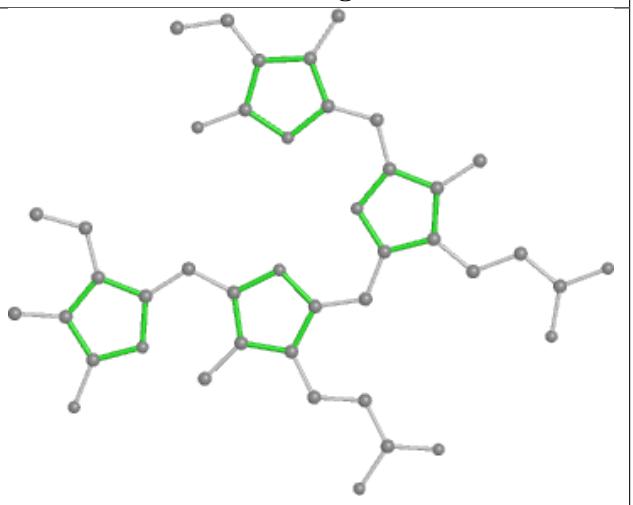
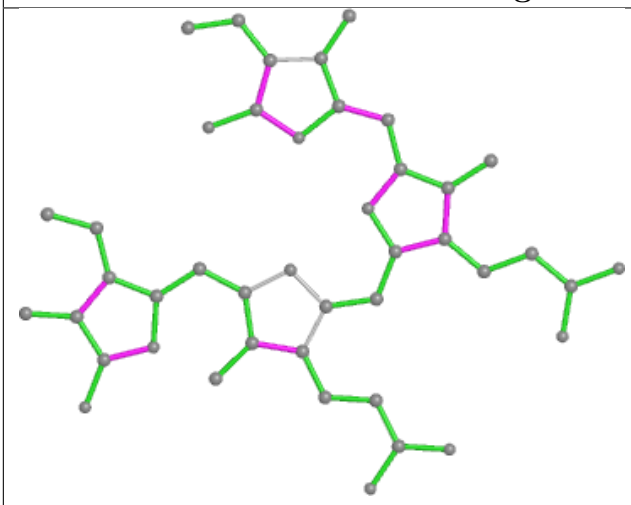


Rings

Ligand PUB eY 405



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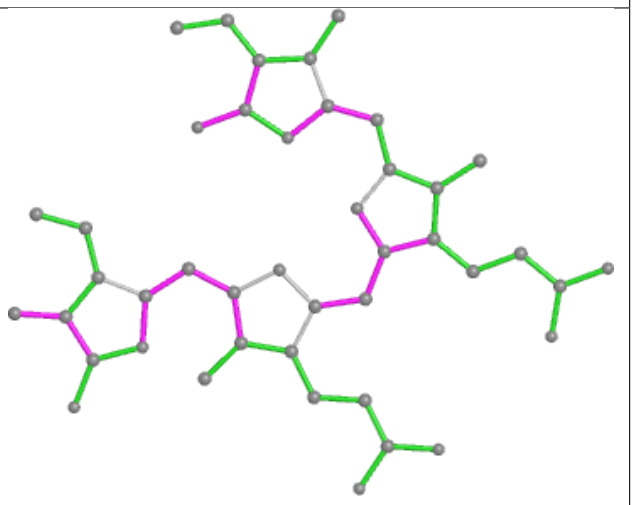

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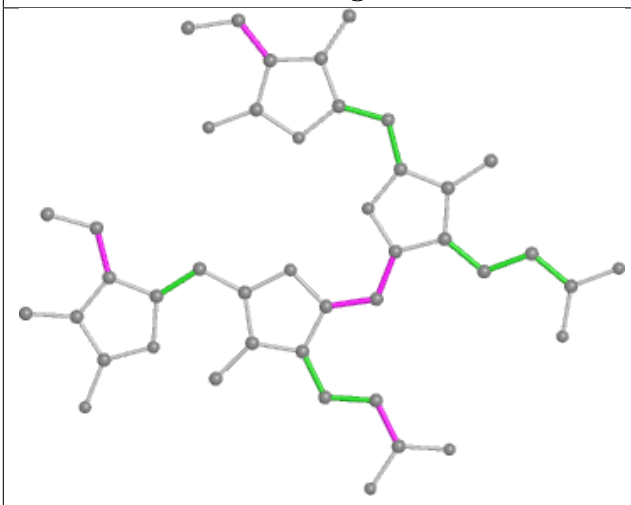

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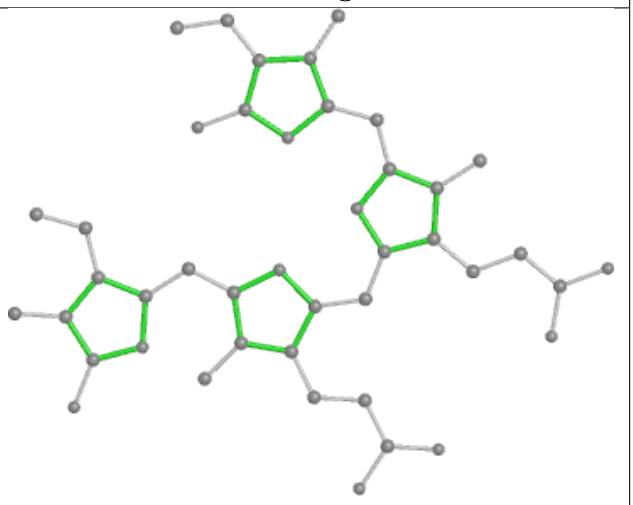

Rings

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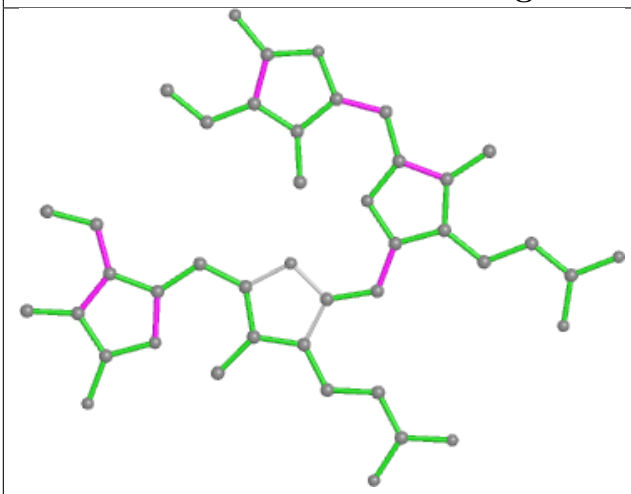

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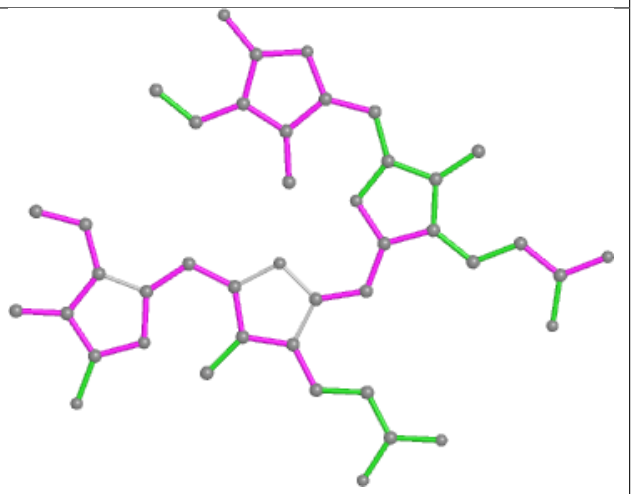

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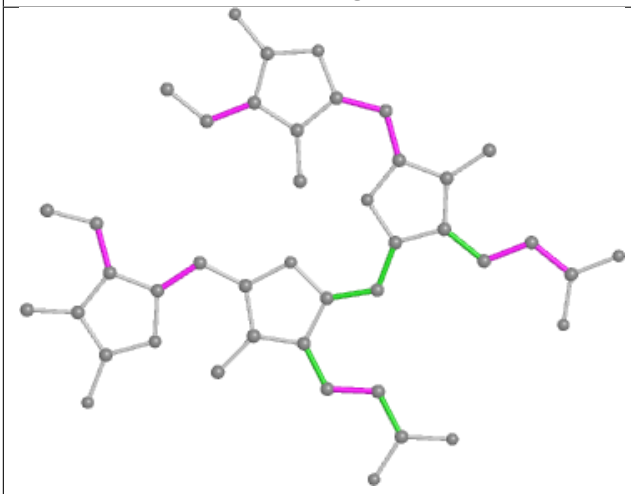

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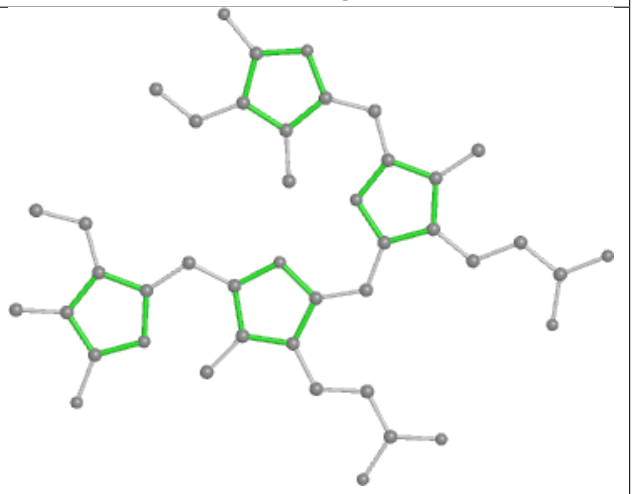
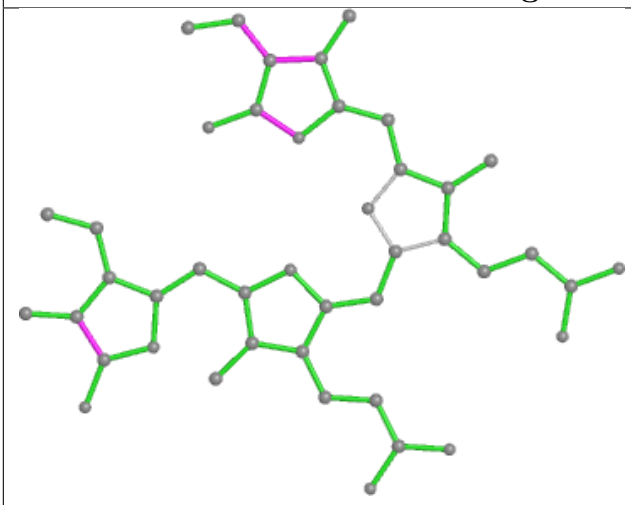


Rings

Ligand PEB r8 201



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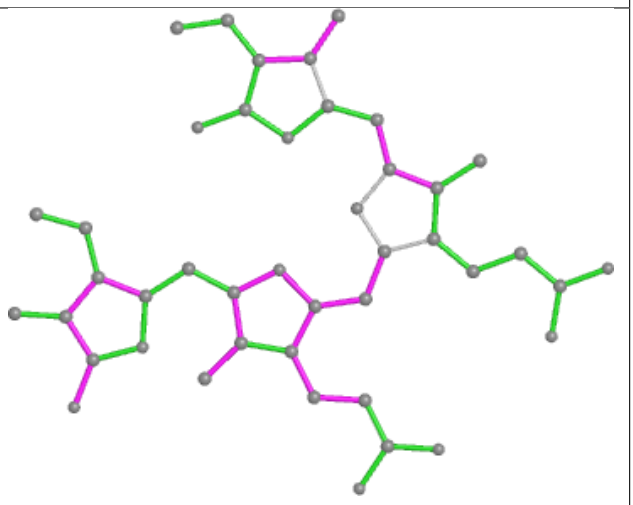
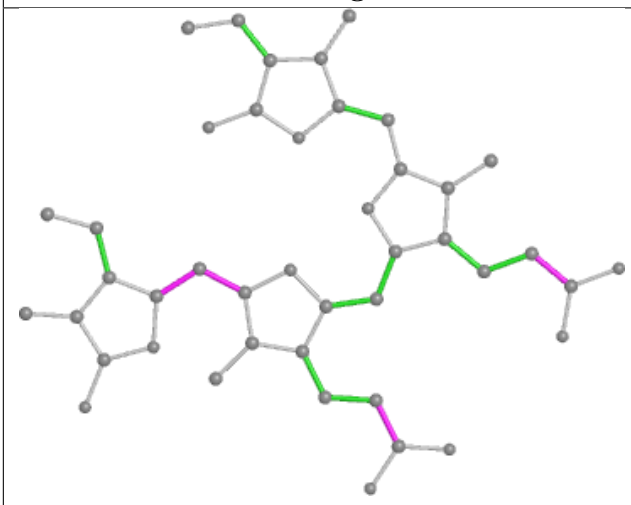
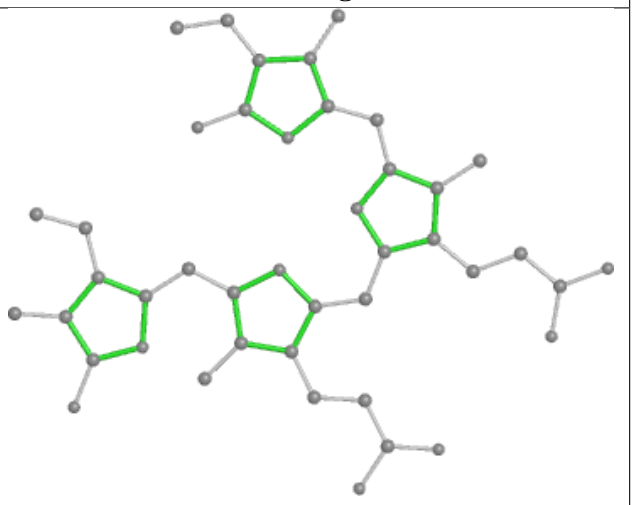


Bond angles

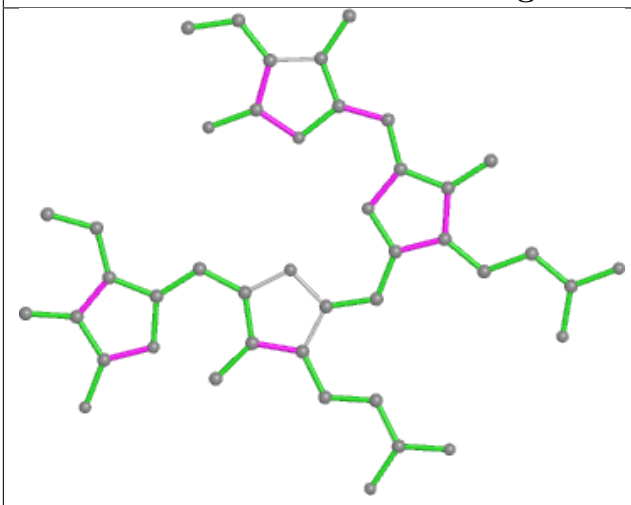


Torsions



Rings

Ligand PUB gk 203



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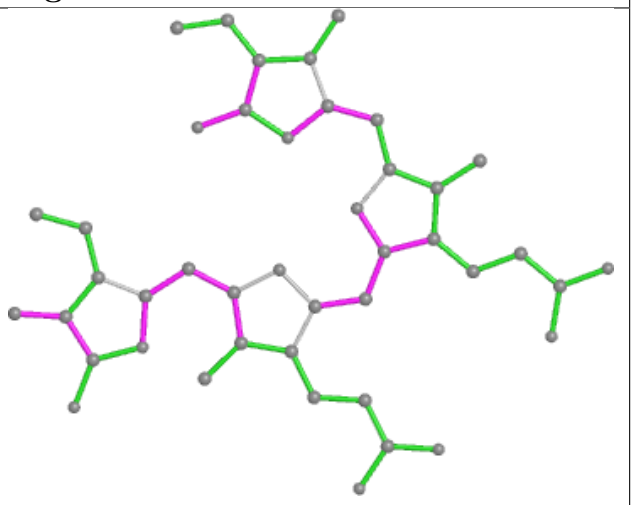

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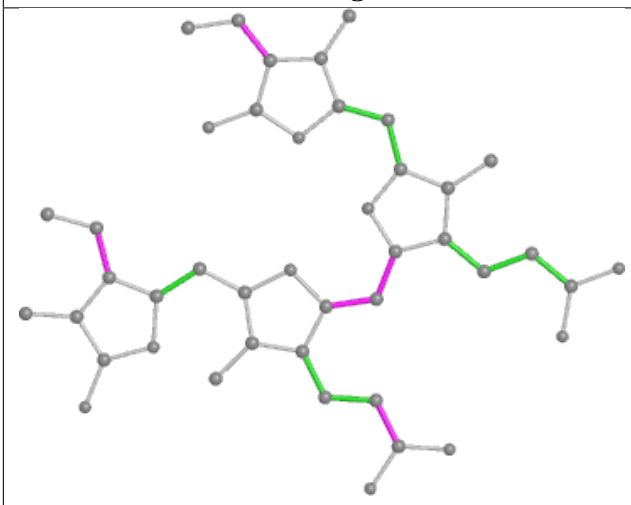

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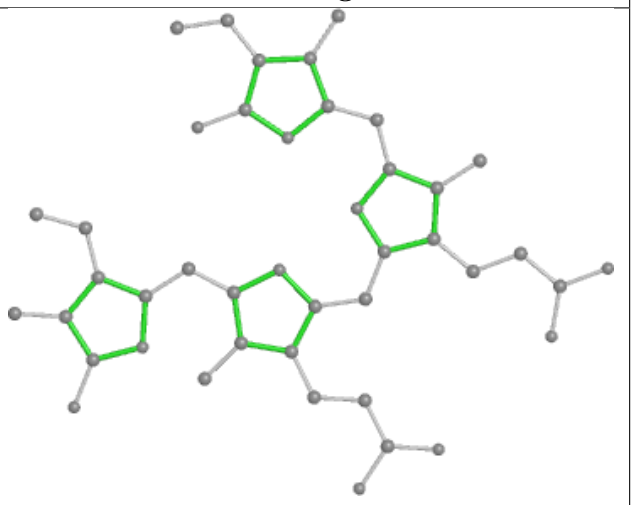
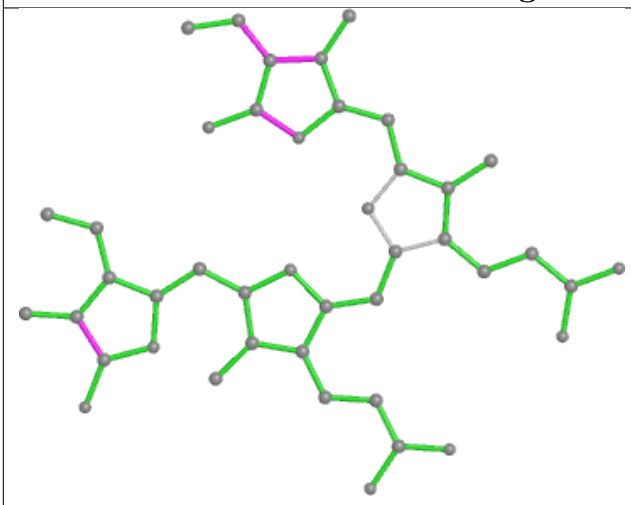


Rings

Ligand PEB h6 202



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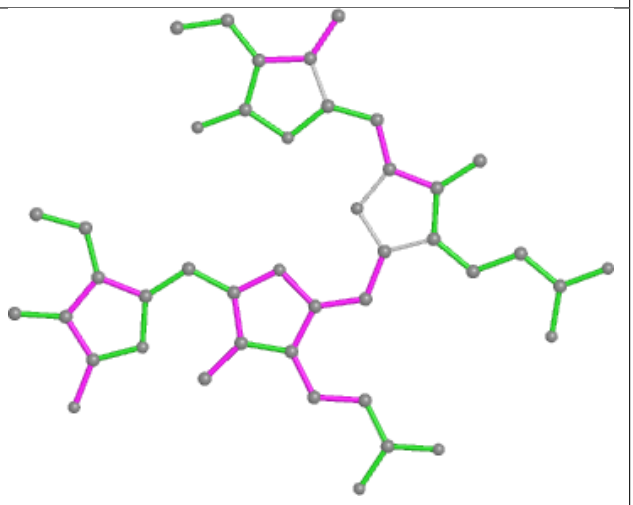

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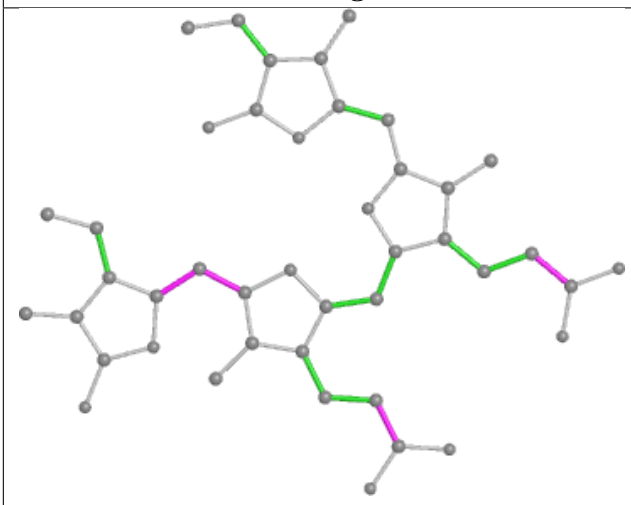

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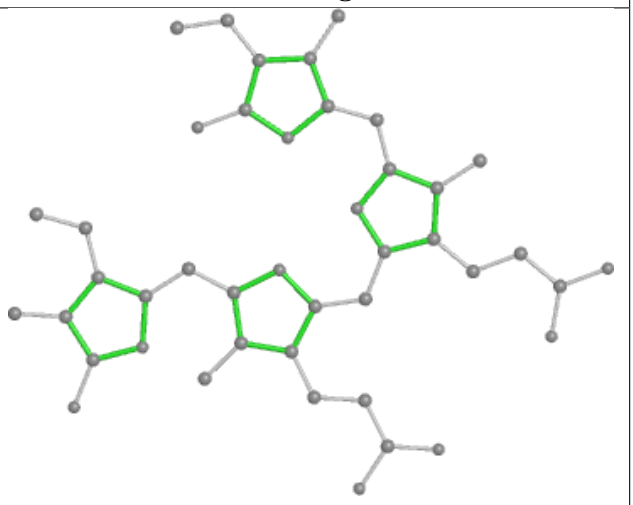
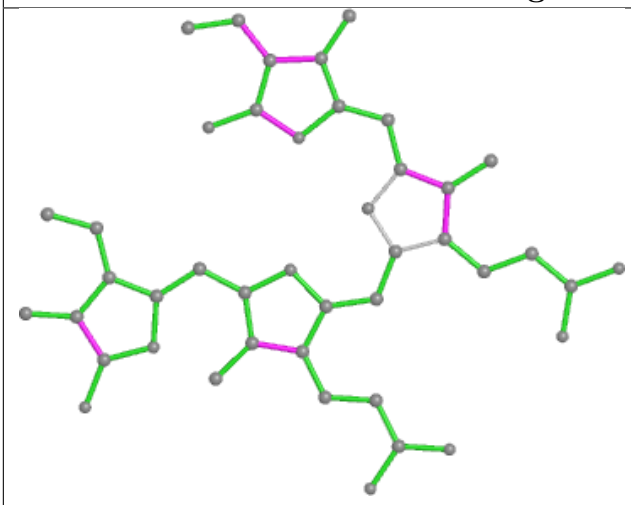


Rings

Ligand PEB li 203



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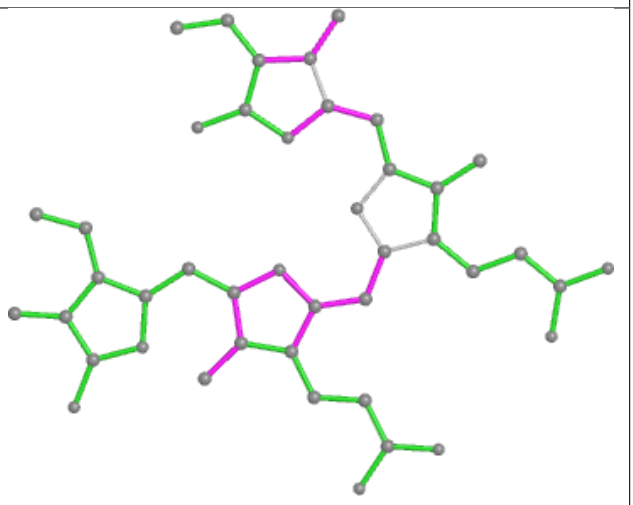

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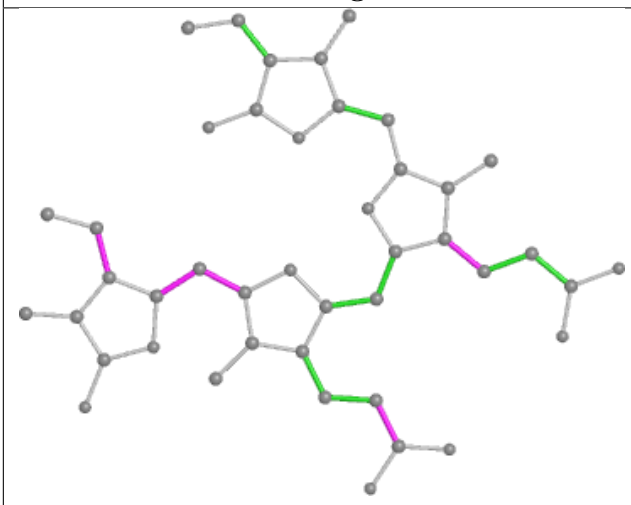

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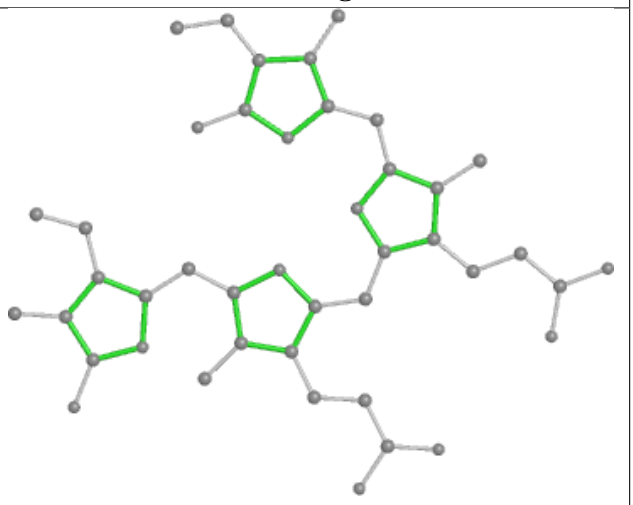
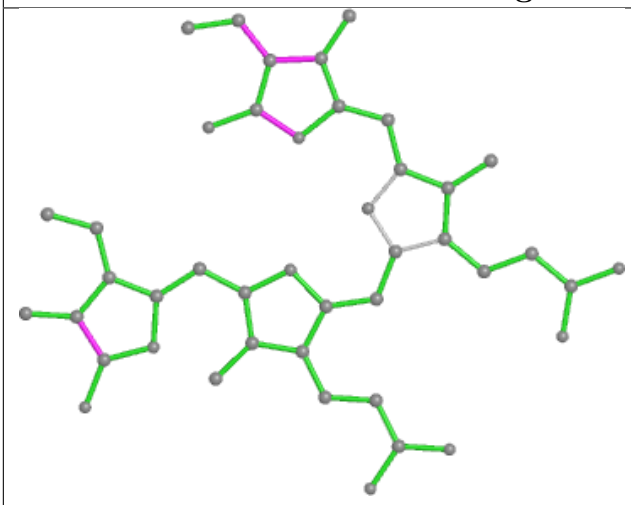


Rings

Ligand PEB Q4 201



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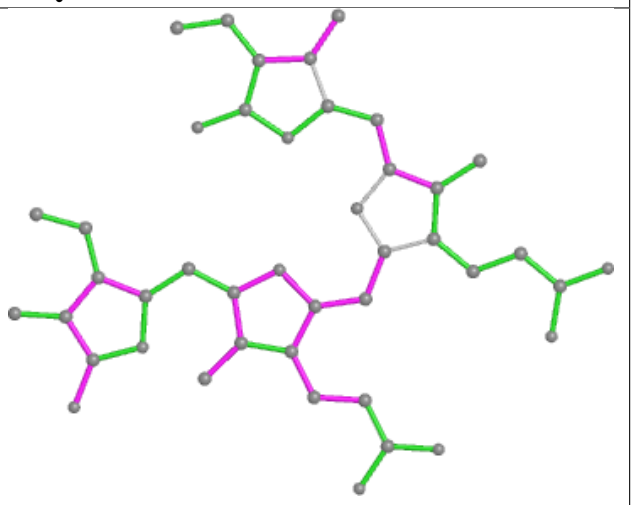

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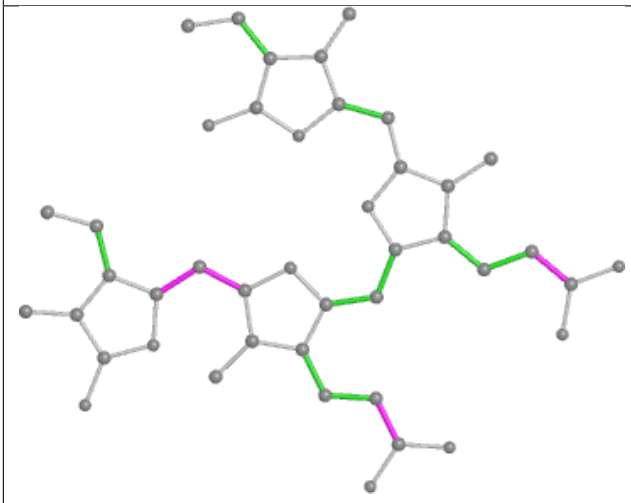

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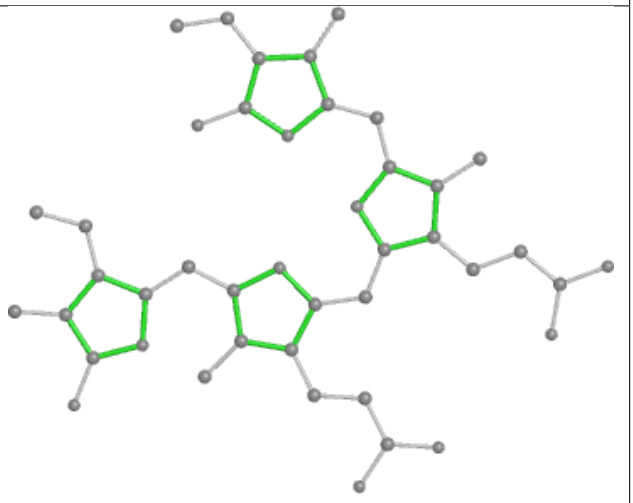

Rings

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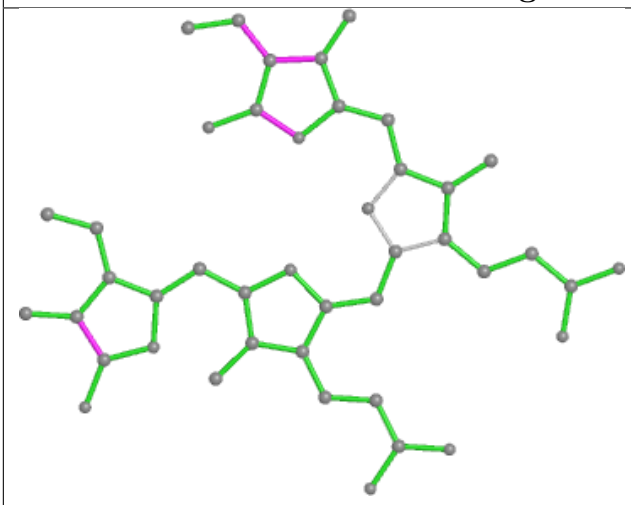

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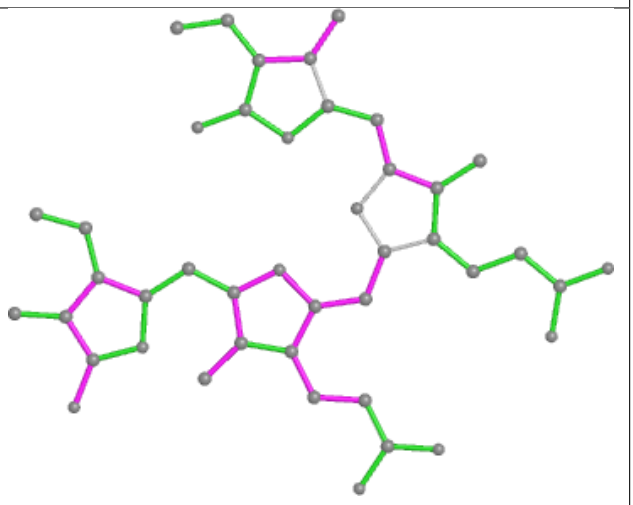

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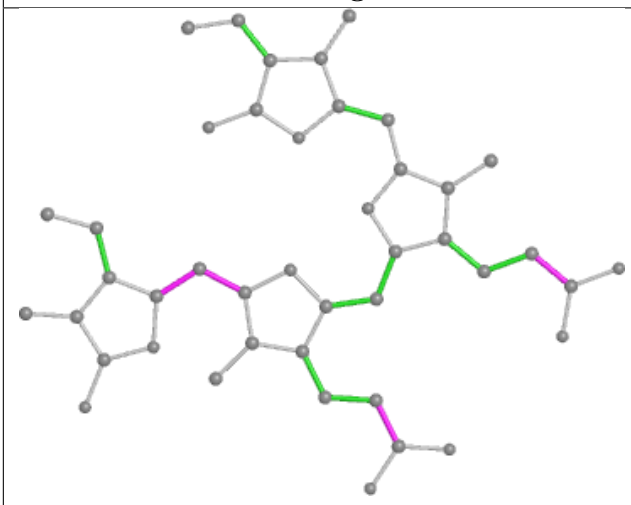

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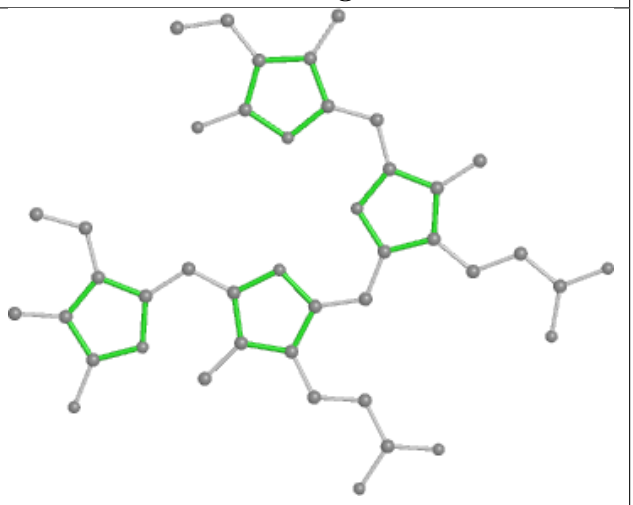

Rings

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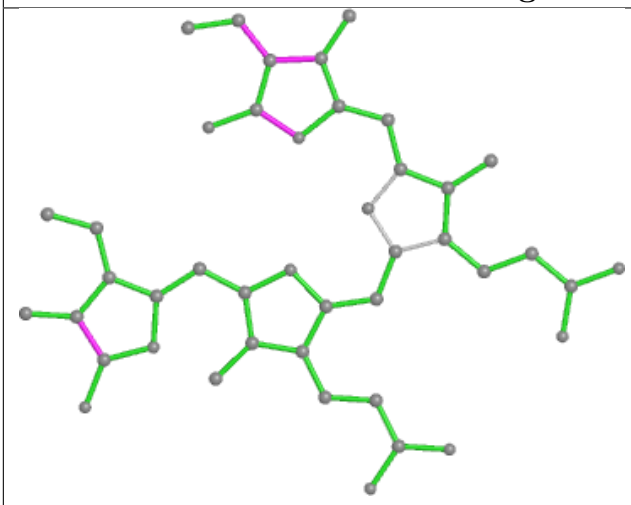

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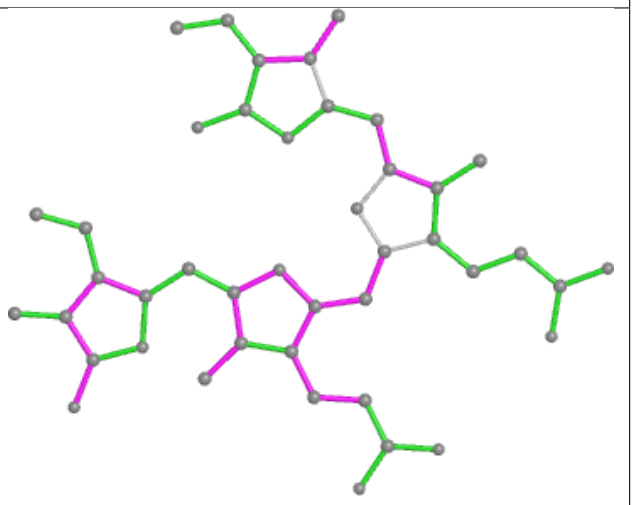

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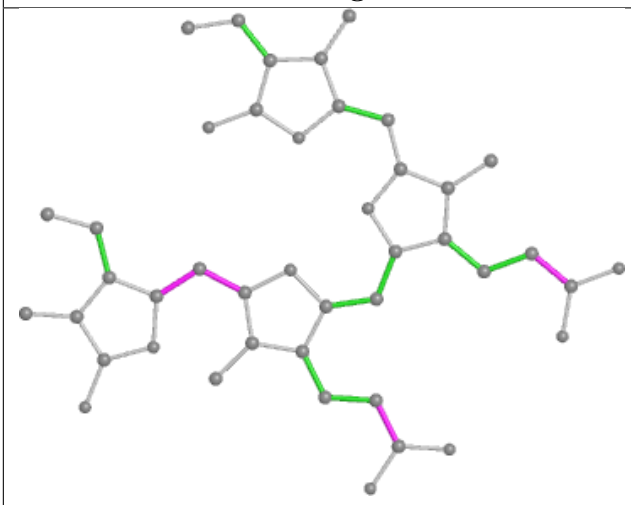

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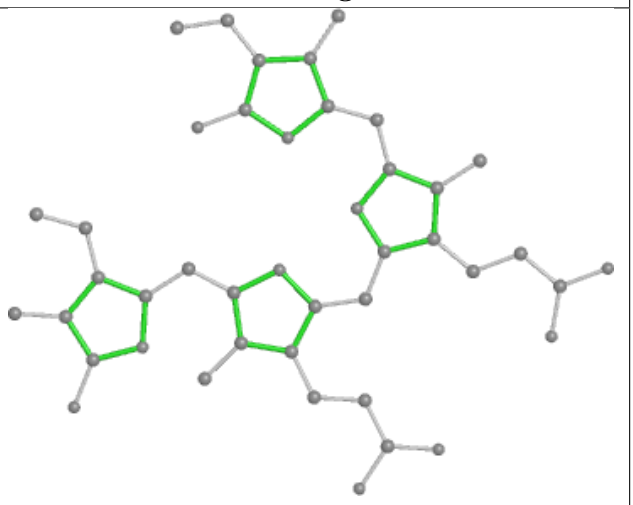
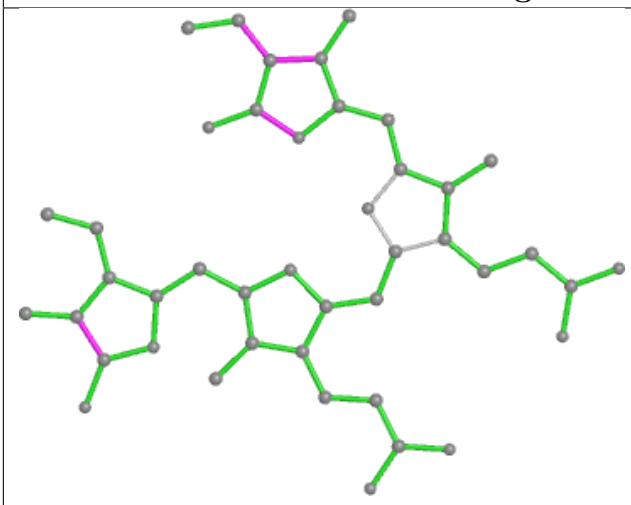


Rings

Ligand PEB dV 201



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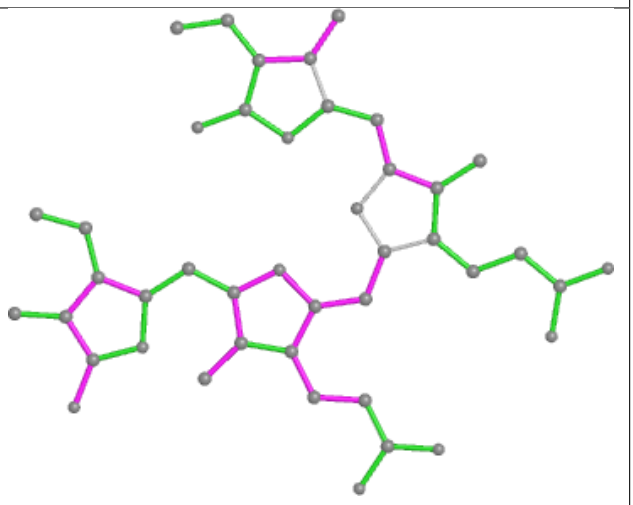

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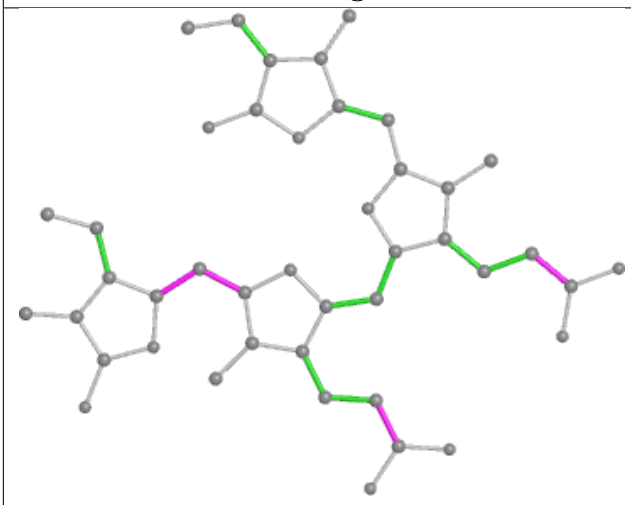

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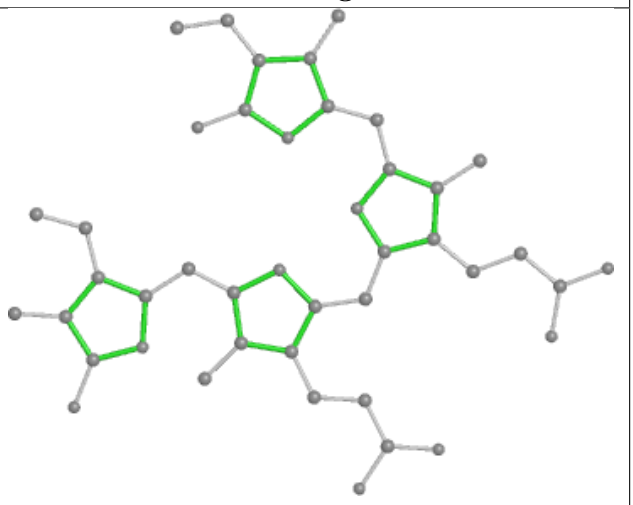
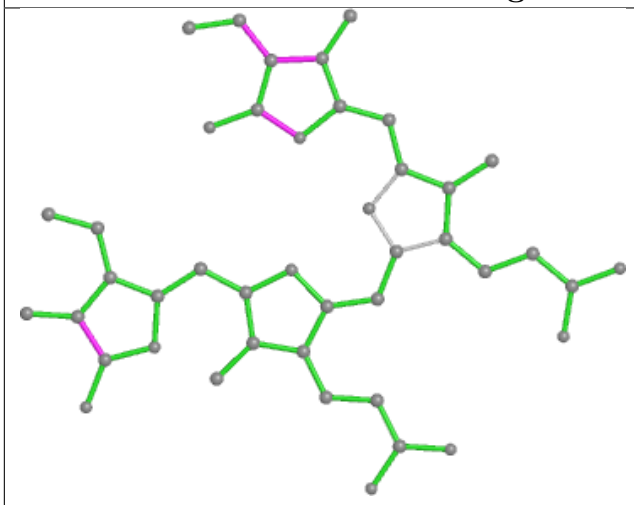


Rings

Ligand PEB jM 1001



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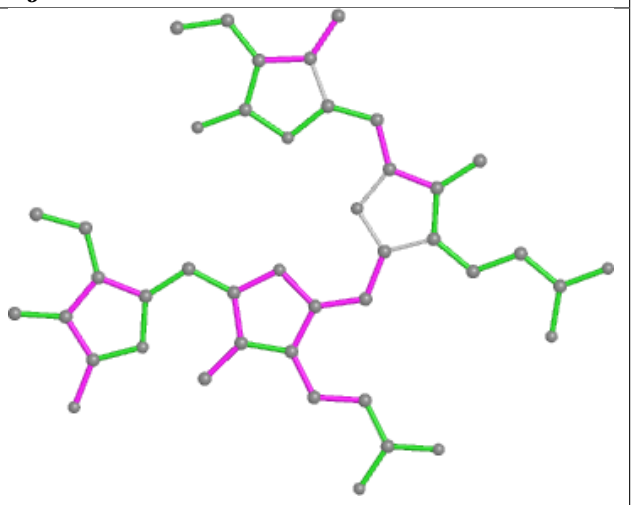

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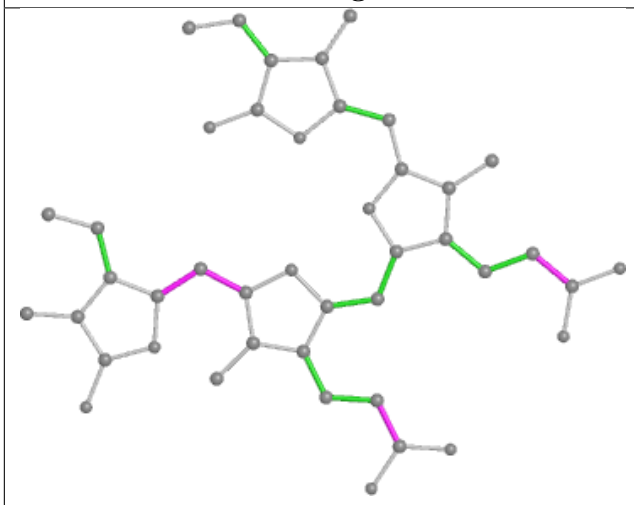

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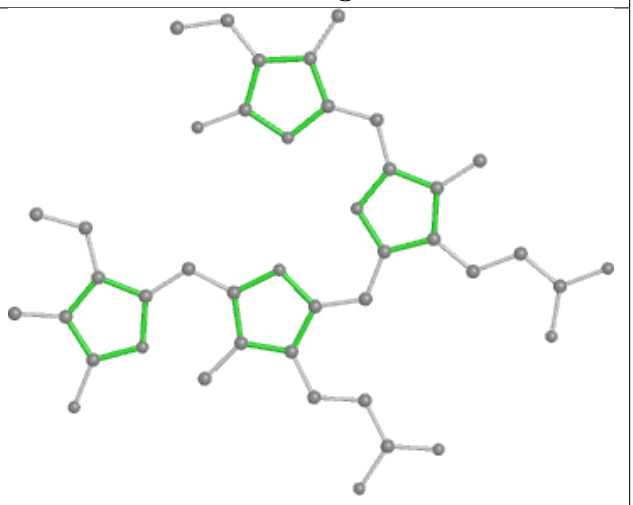
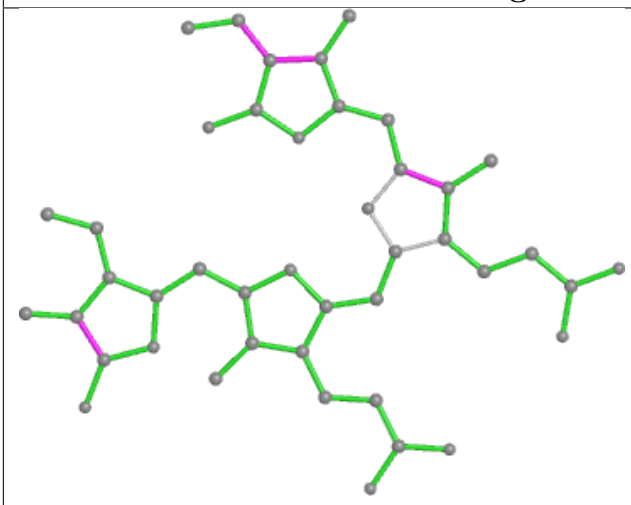


Rings

Ligand PEB gb 1002



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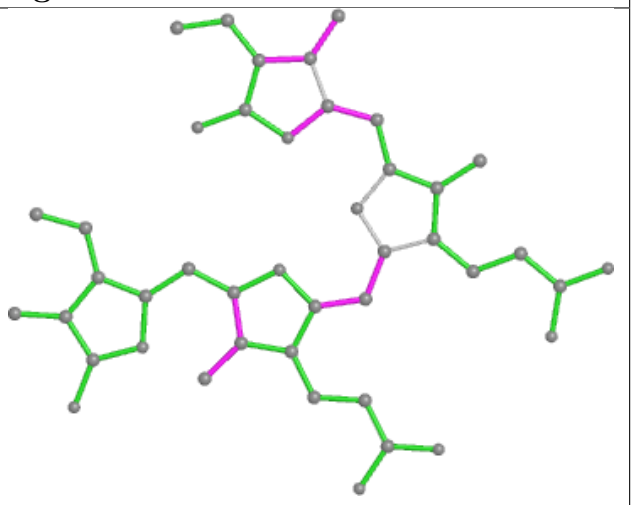

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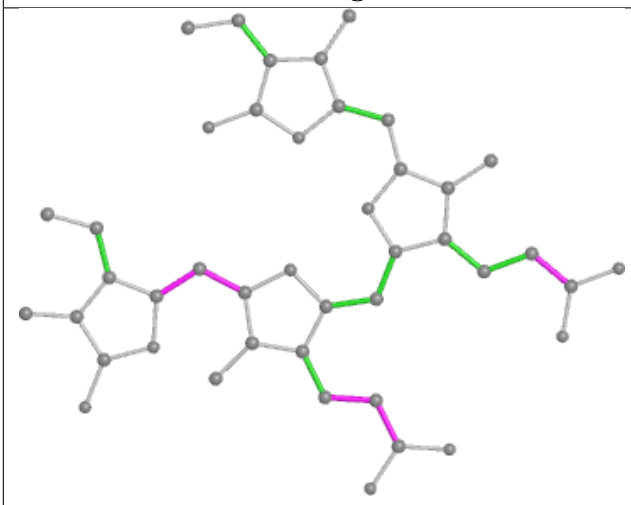

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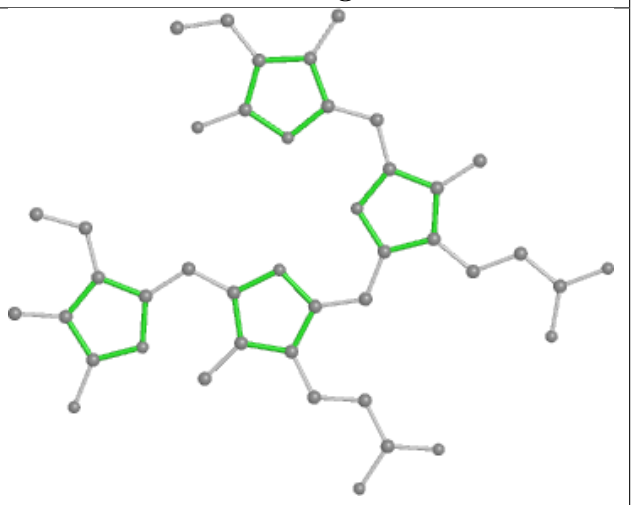
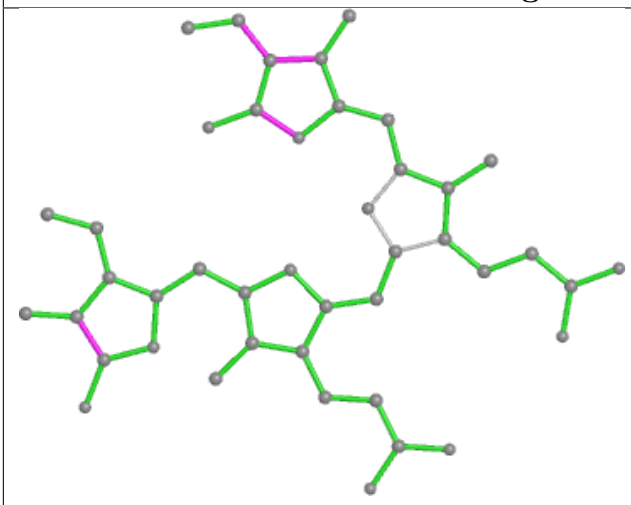


Rings

Ligand PEB t4 202



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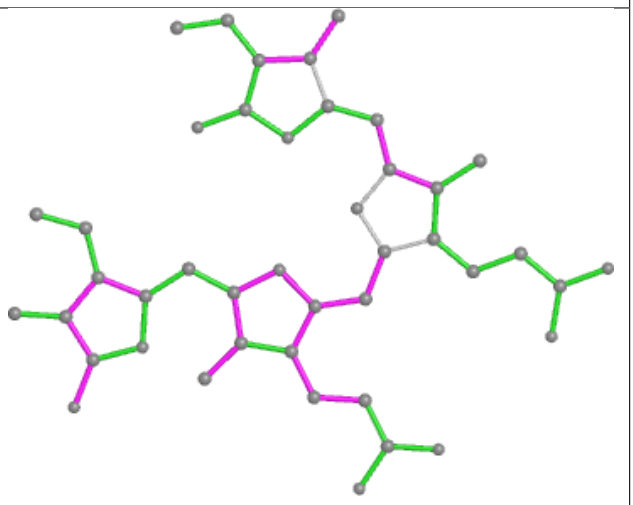

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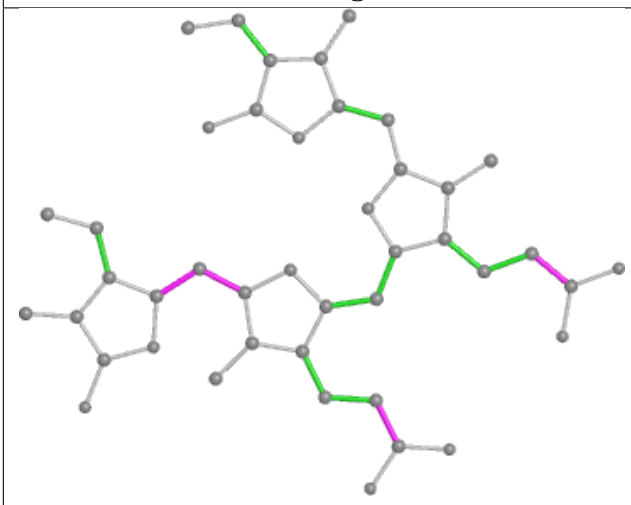

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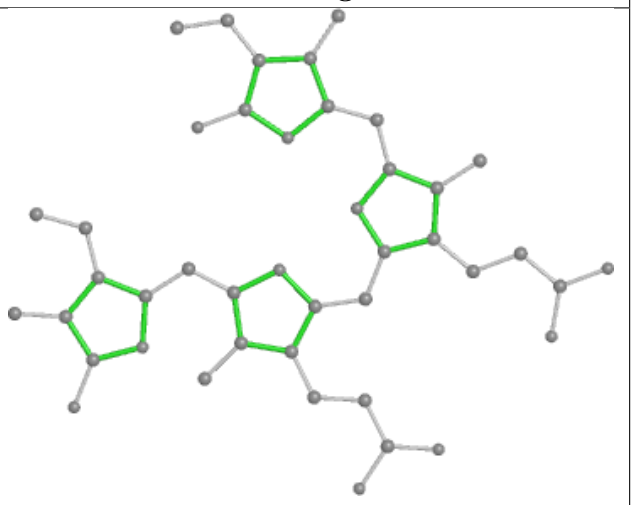

Rings

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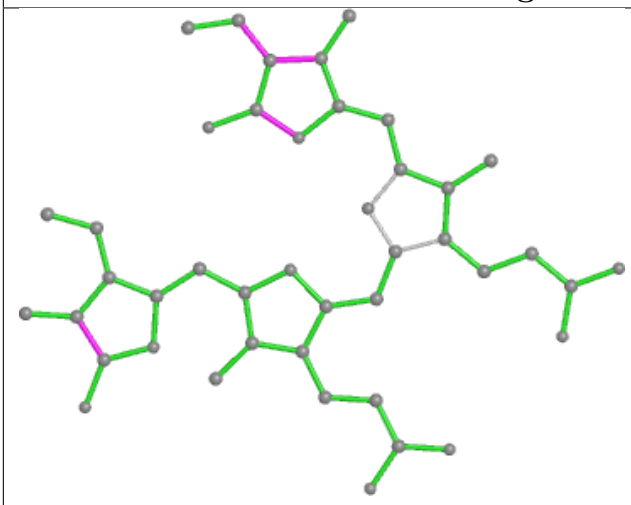

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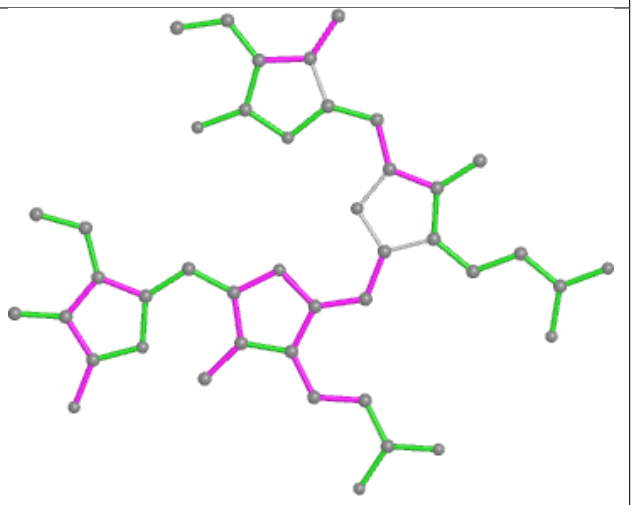

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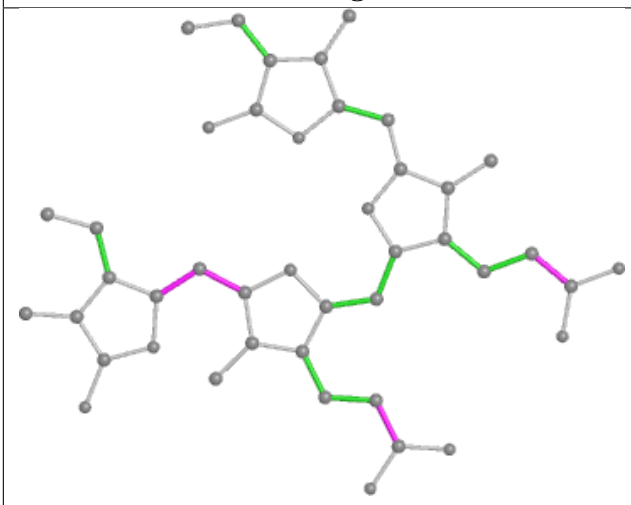

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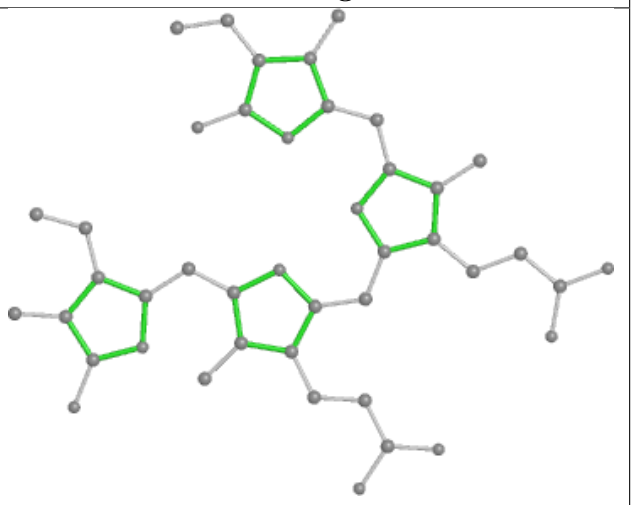
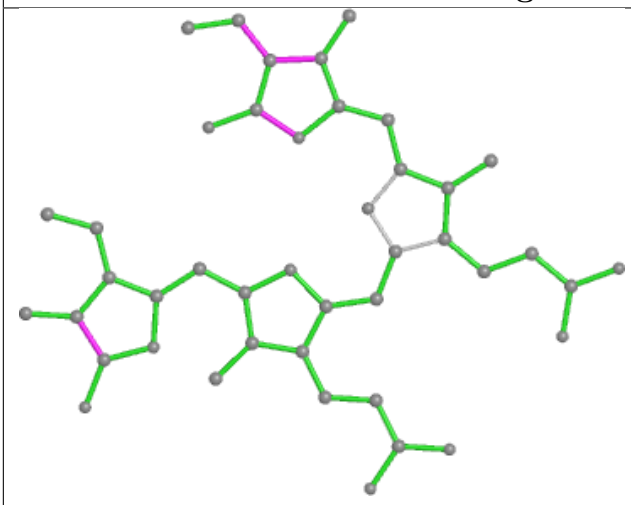


Rings

Ligand PEB T8 301



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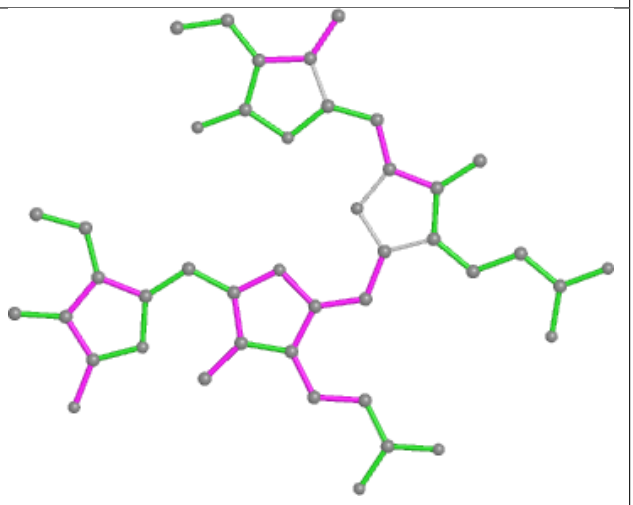

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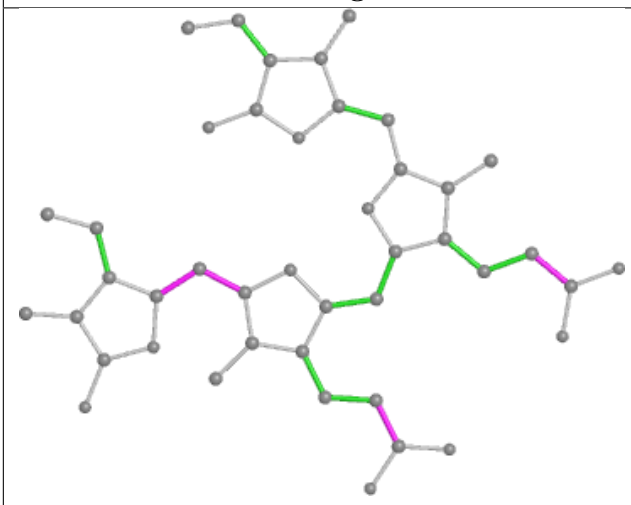

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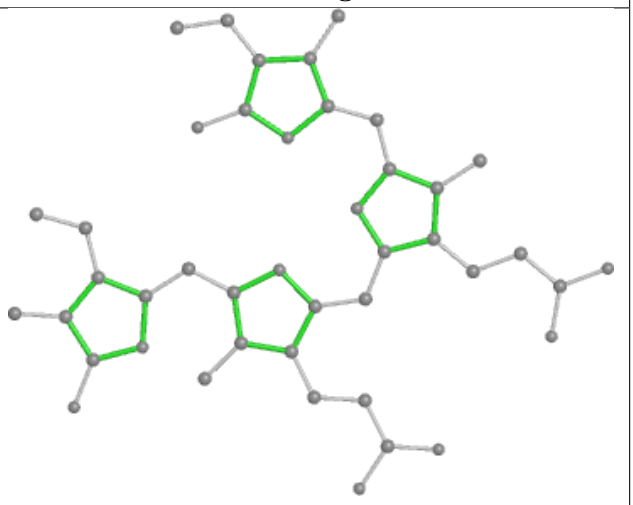
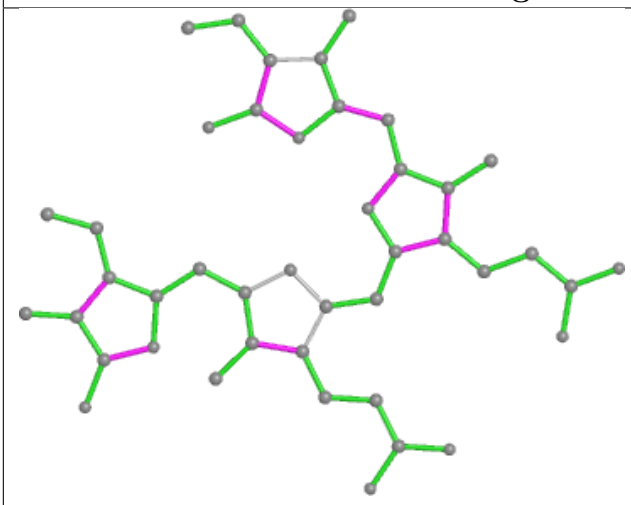


Rings

Ligand PUB dR 203



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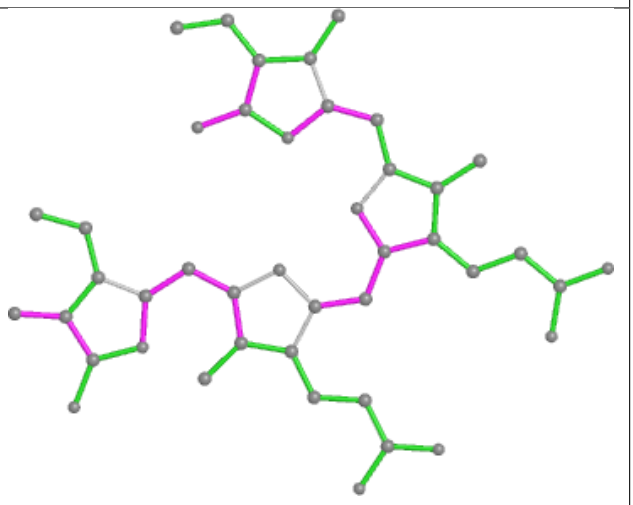
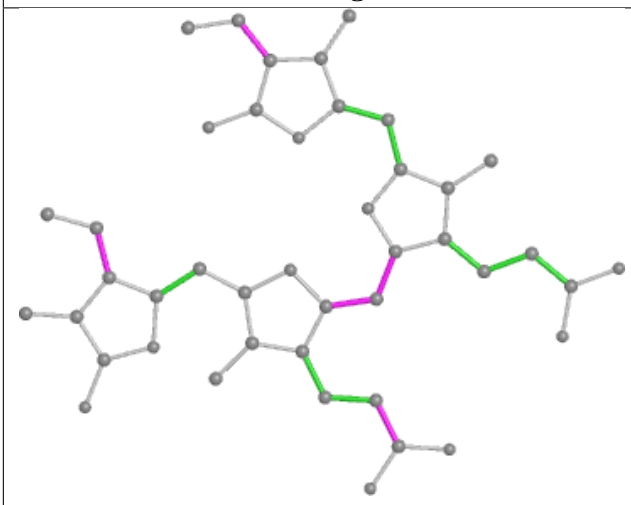


Bond angles



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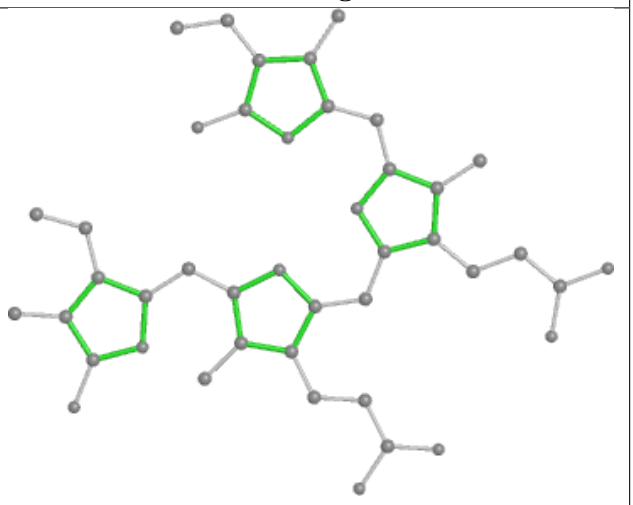
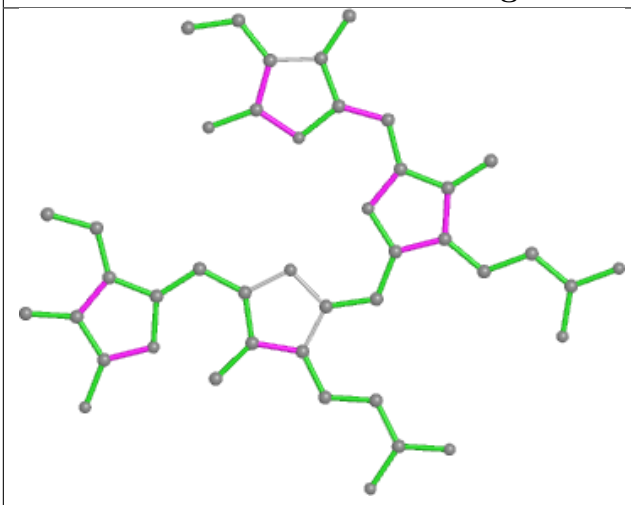


Rings

Ligand PUB kW 1003



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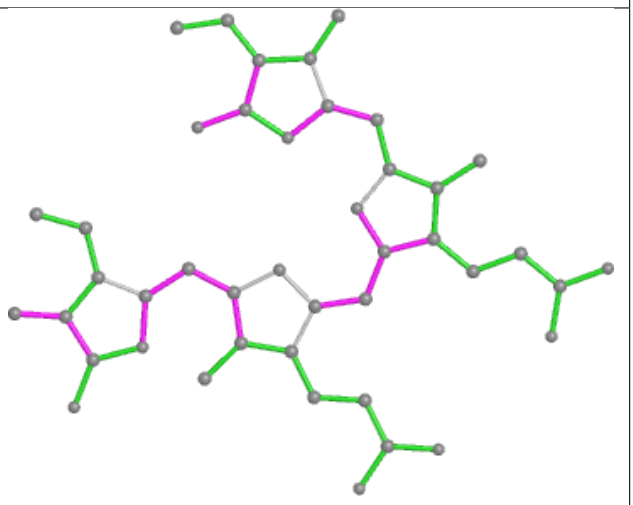
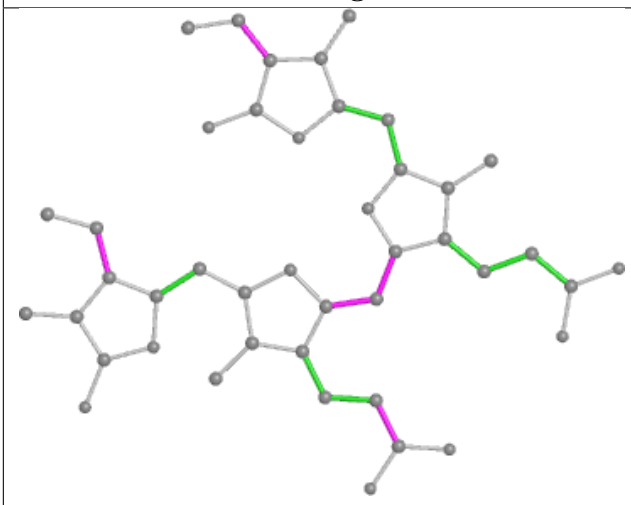
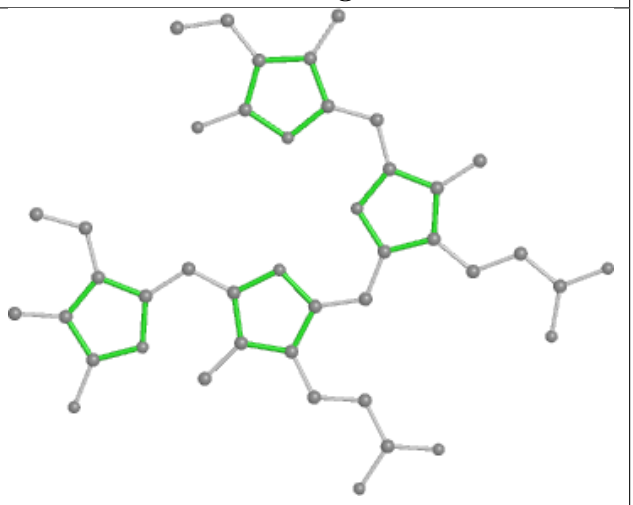


Bond angles

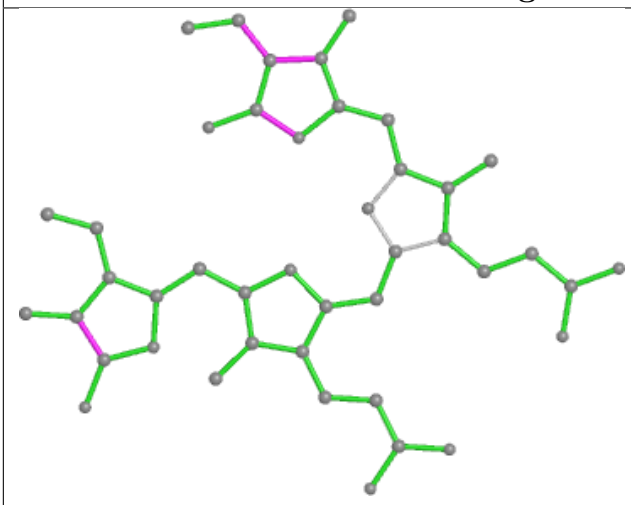


Torsions



Rings

Ligand PEB bk 201



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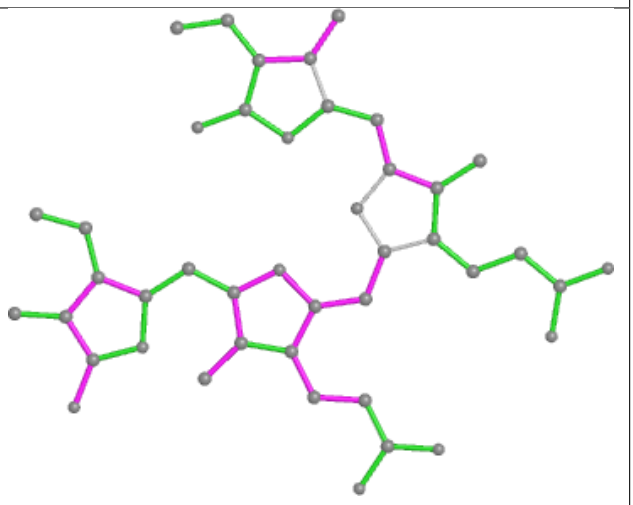

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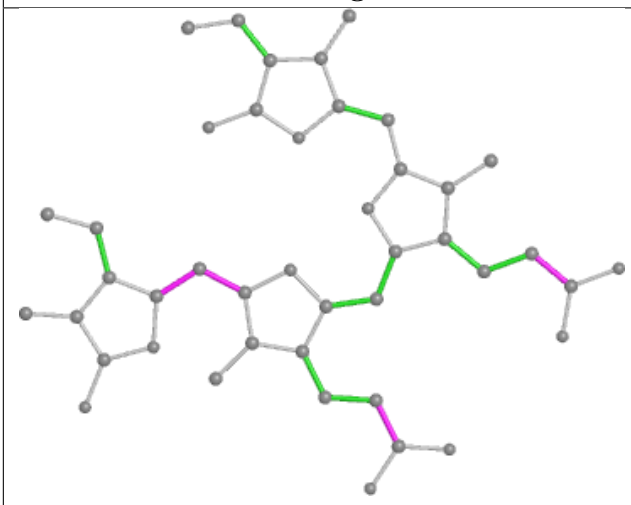

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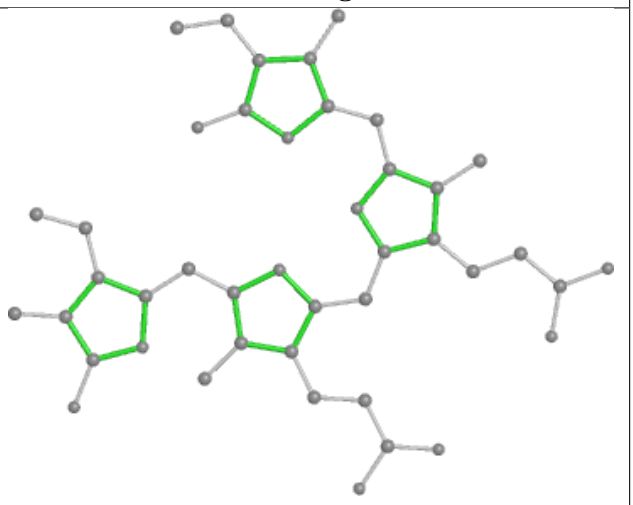

Rings

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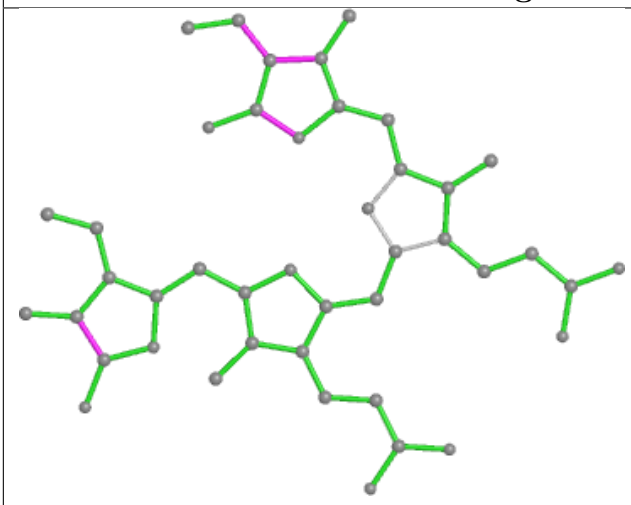

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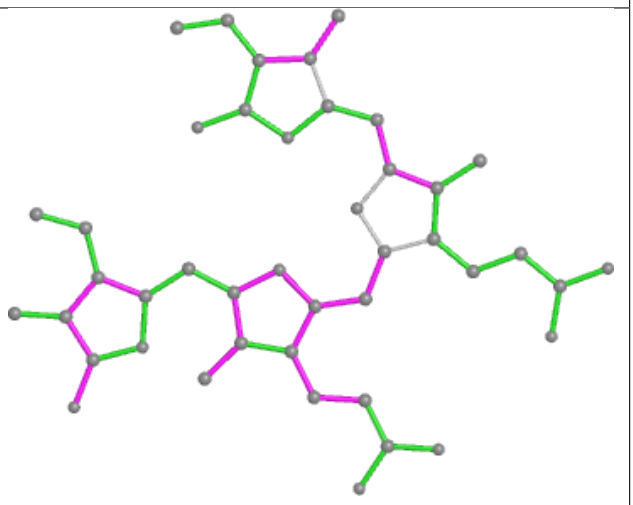

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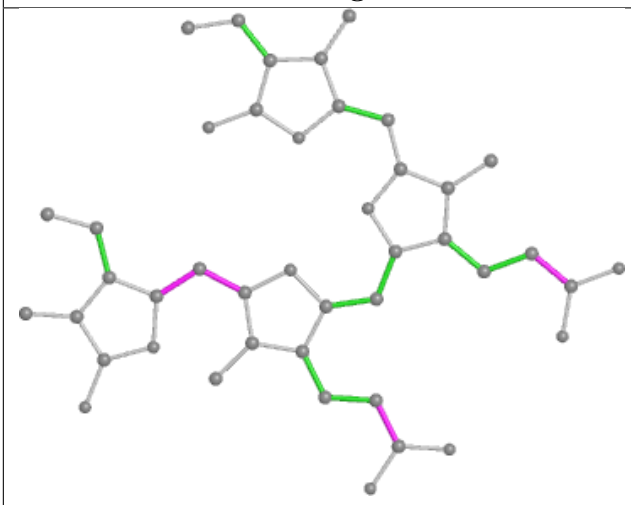

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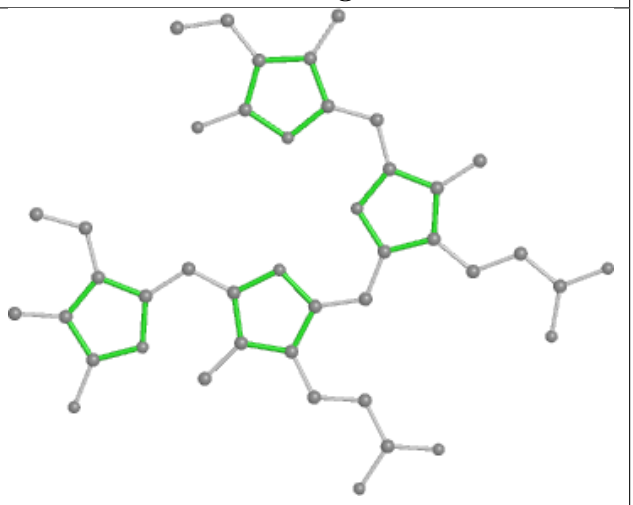

Rings

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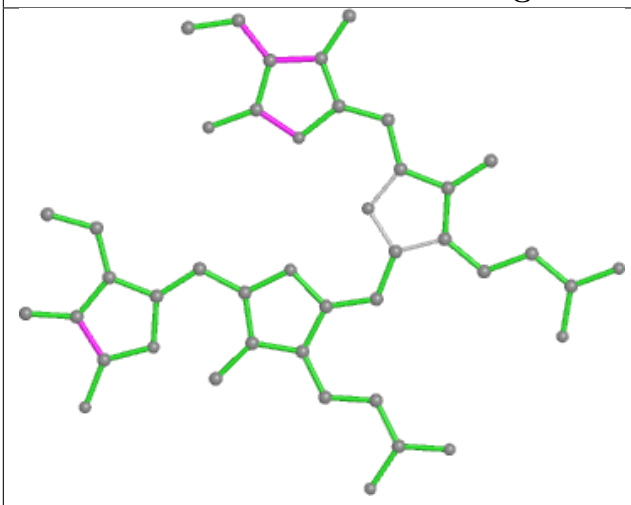

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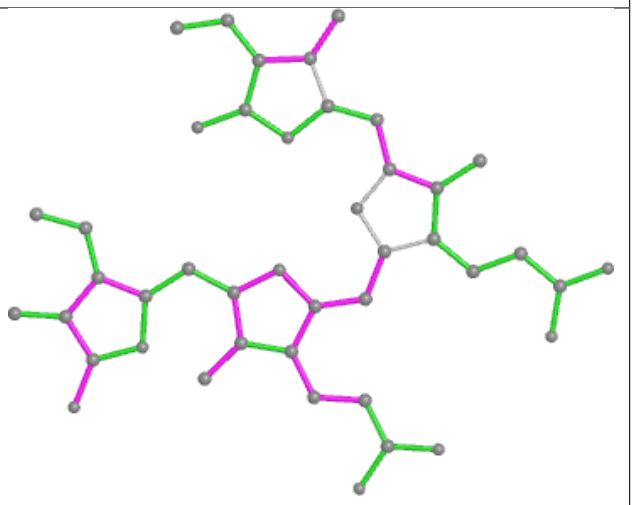

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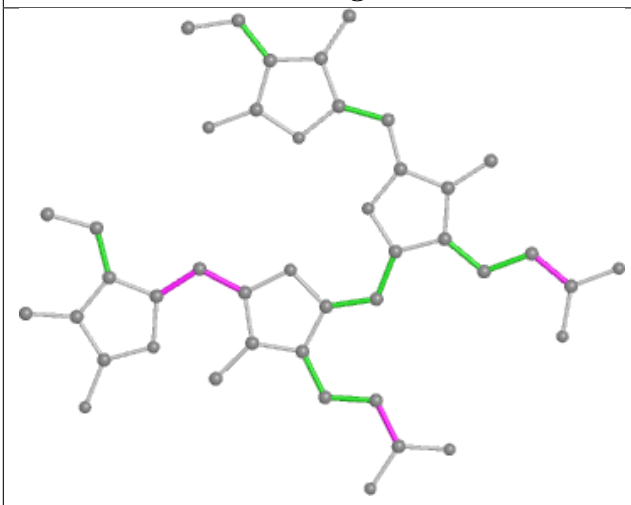

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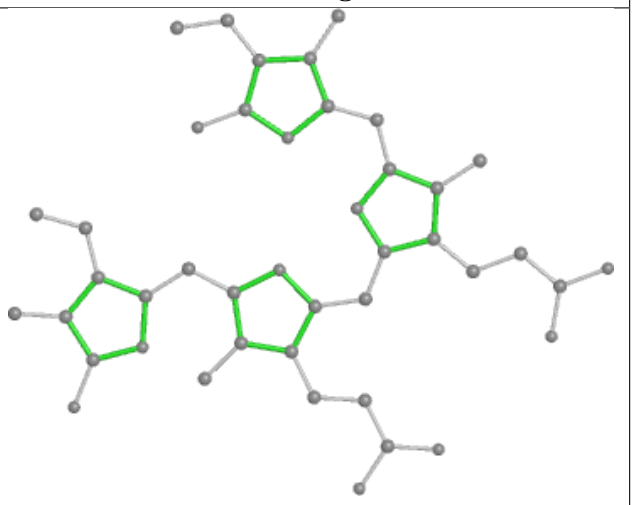
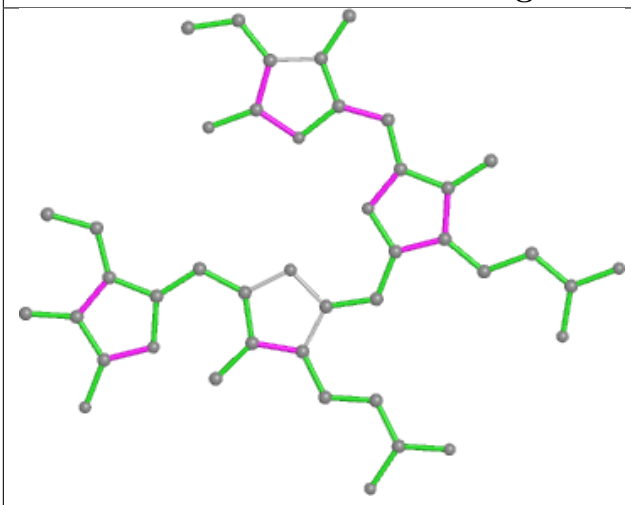


Rings

Ligand PUB dd 203



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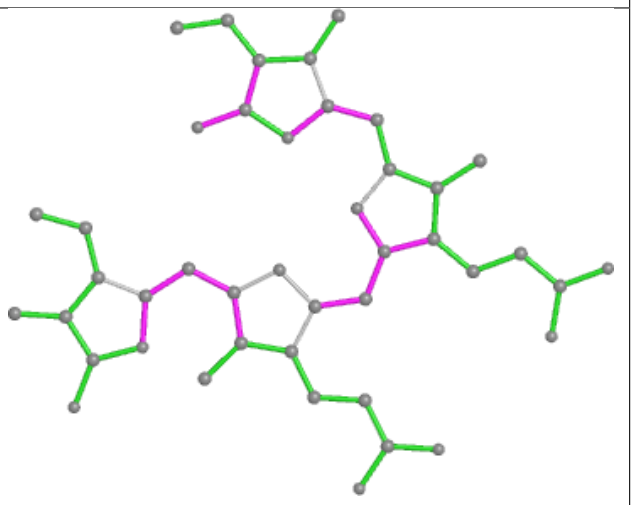

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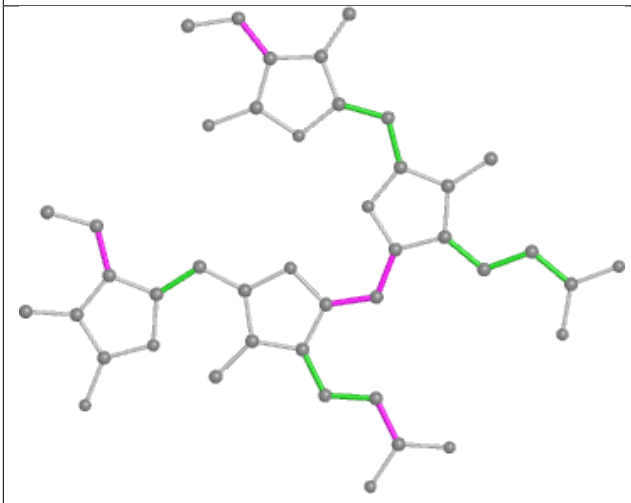

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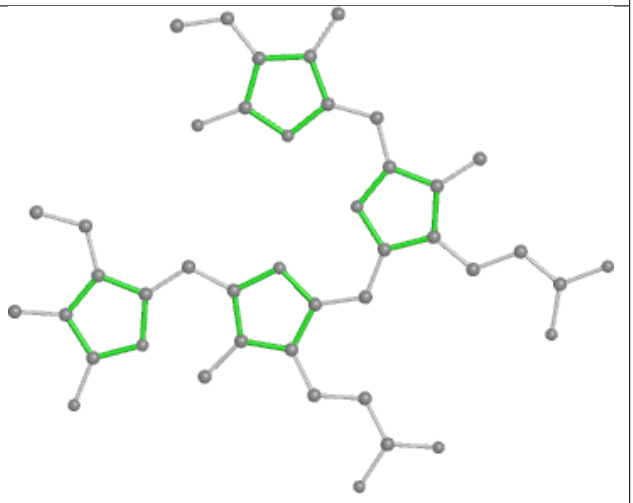
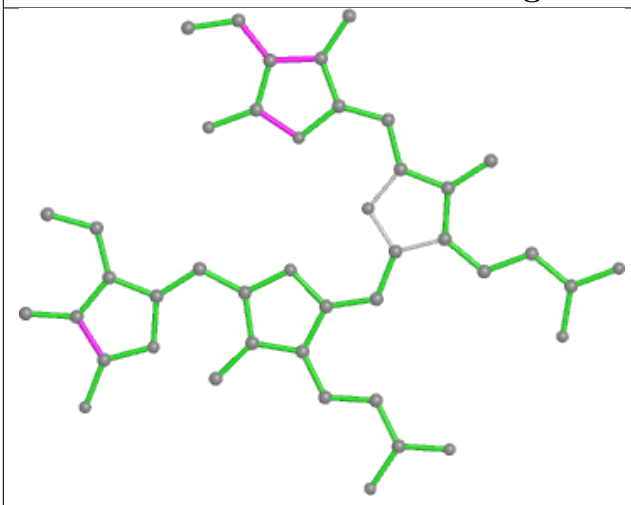


Rings

Ligand PEB j7 201



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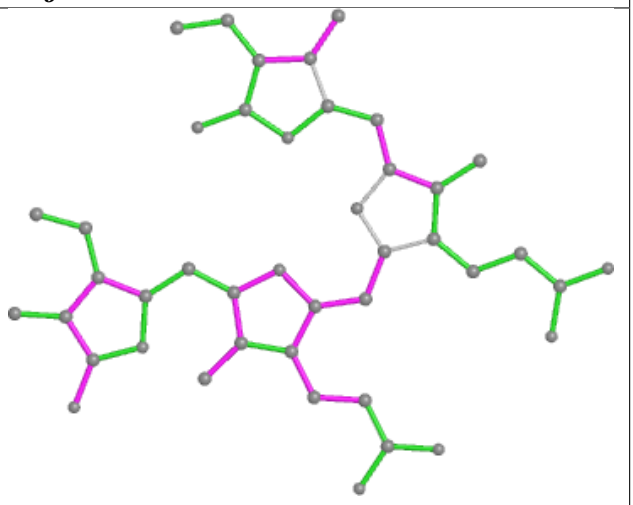

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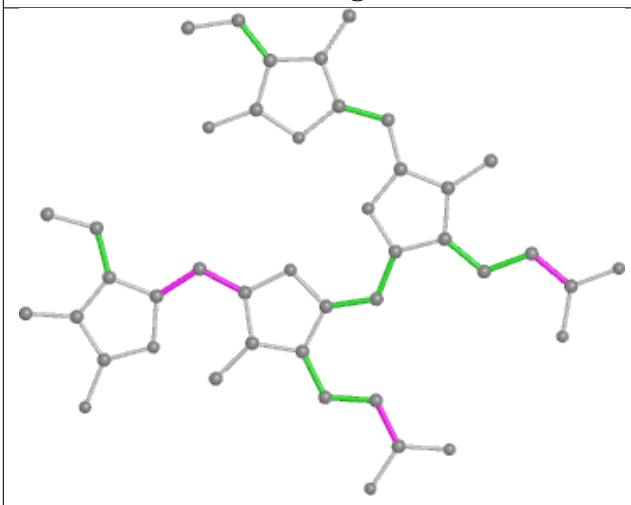

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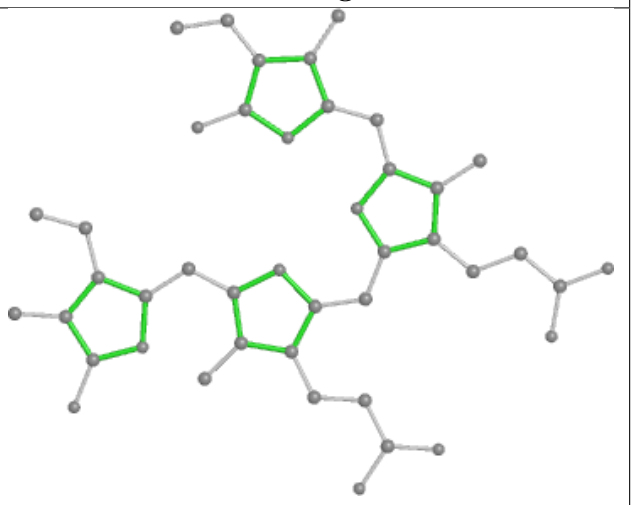

Rings

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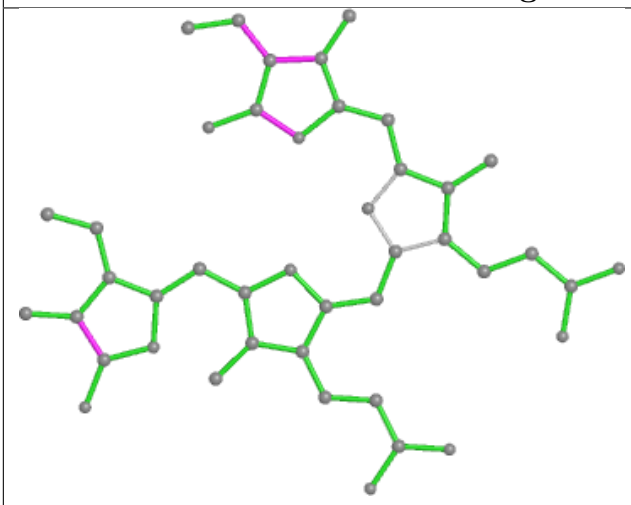

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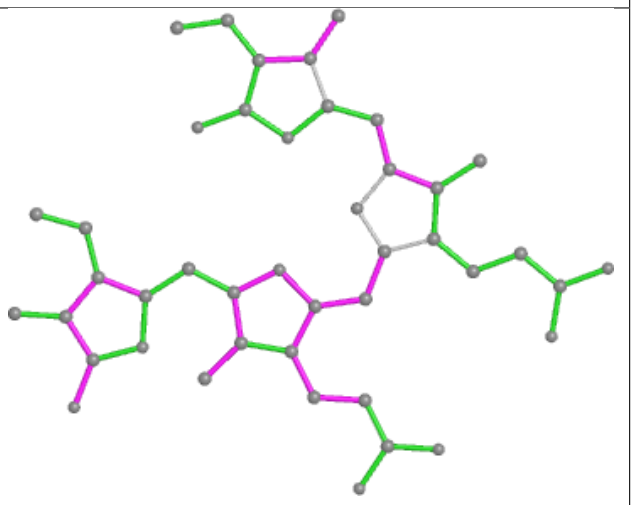

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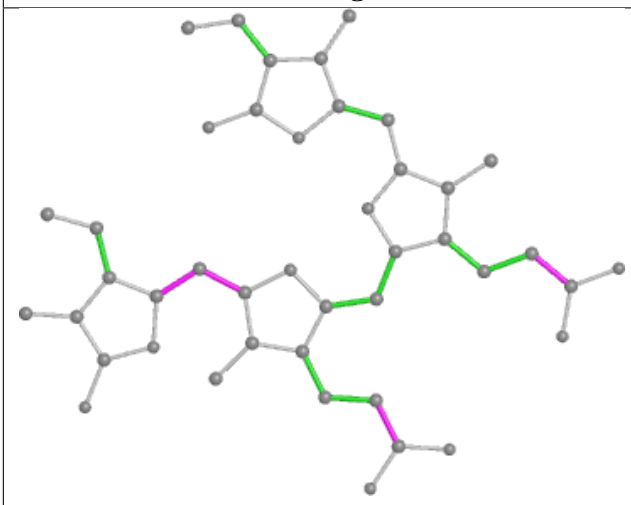

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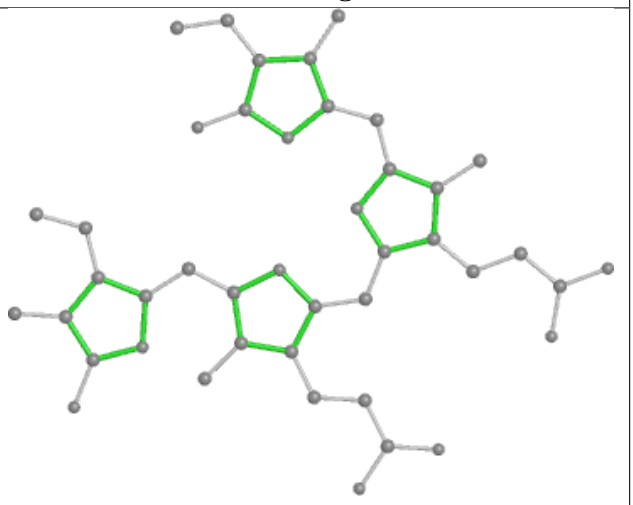
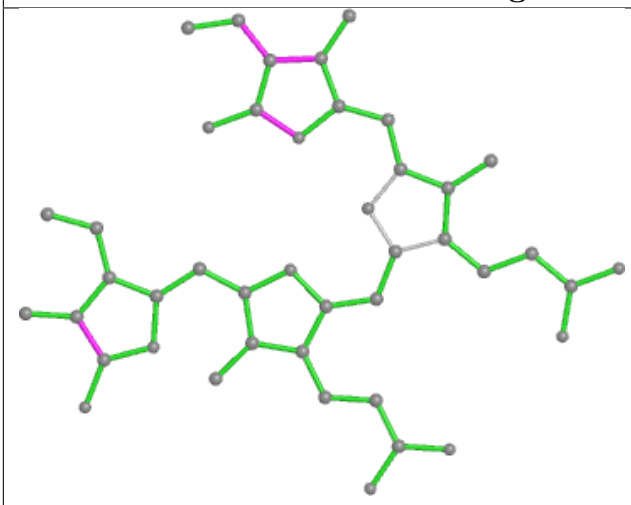


Rings

Ligand PEB F8 1002



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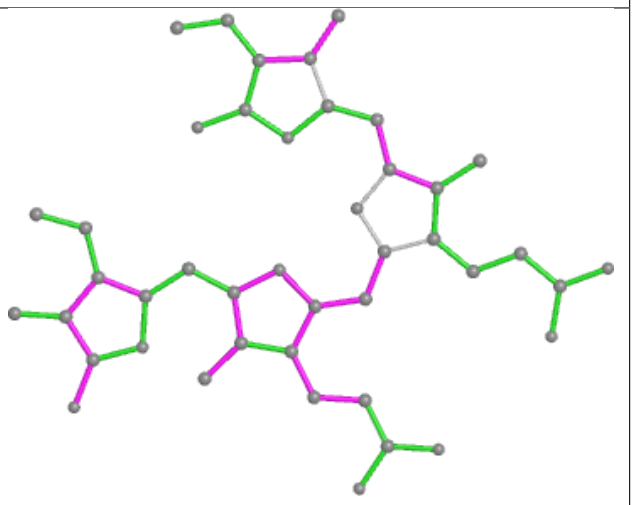

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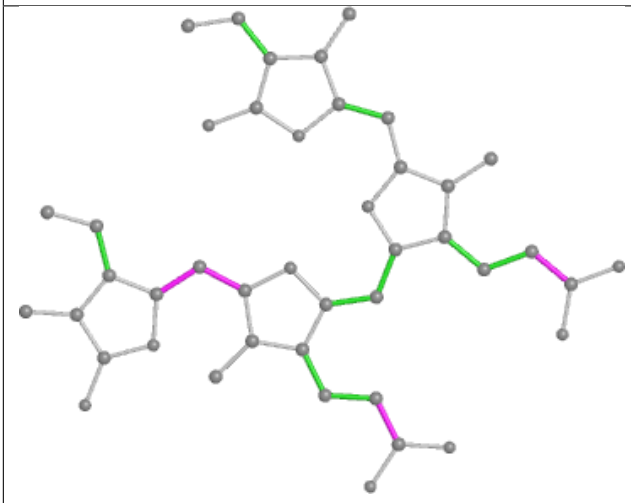

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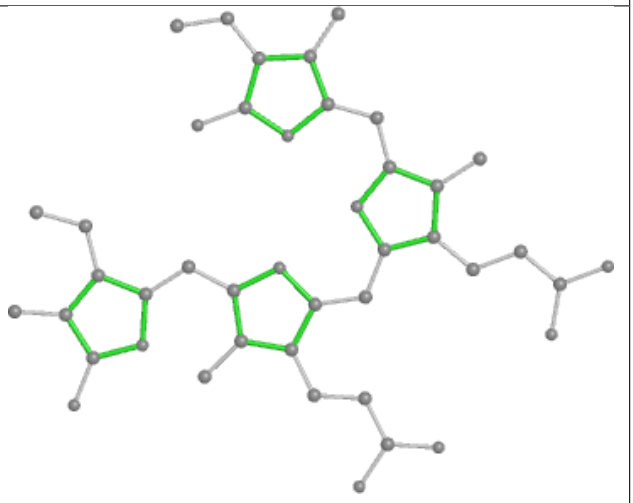

Rings

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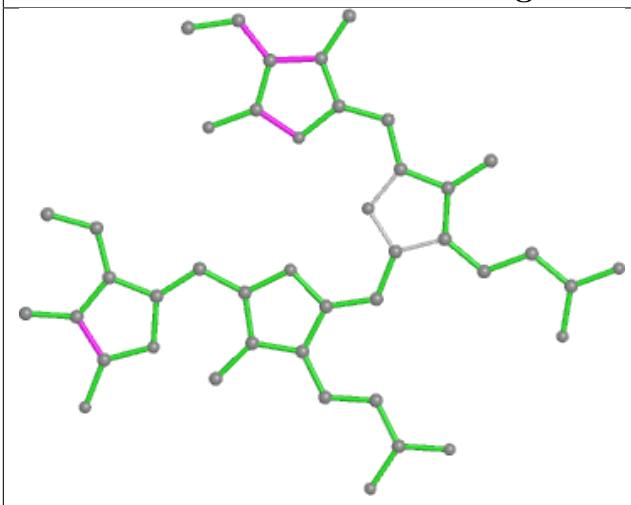

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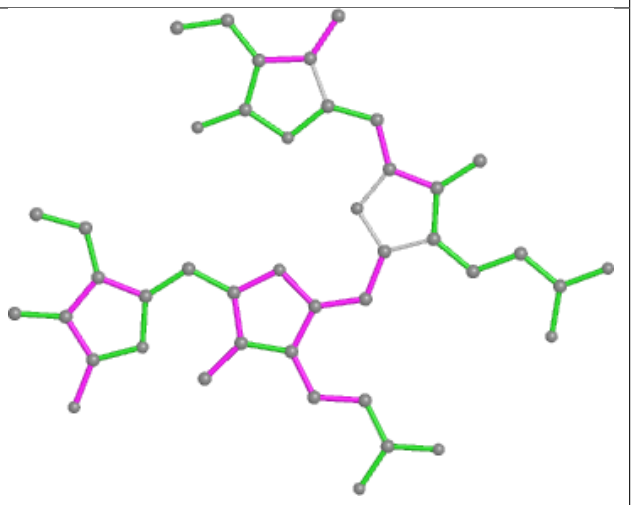

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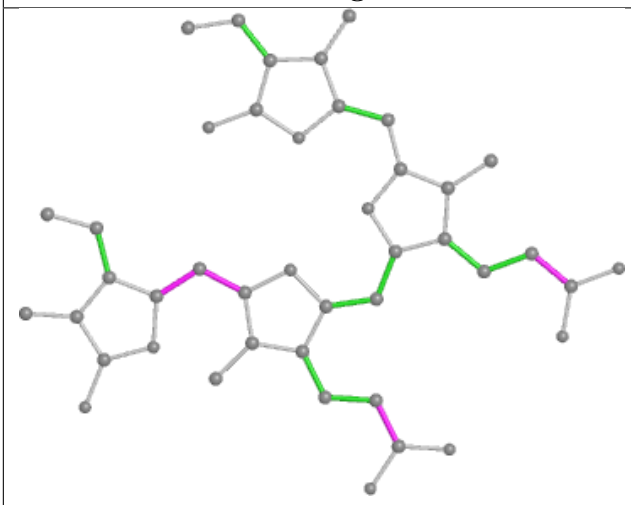

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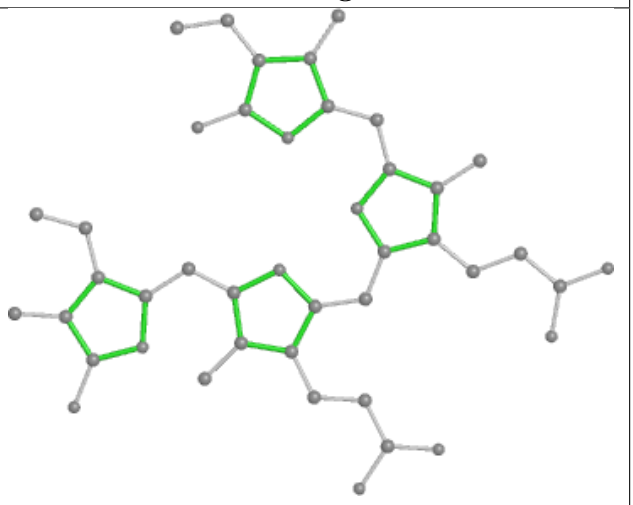
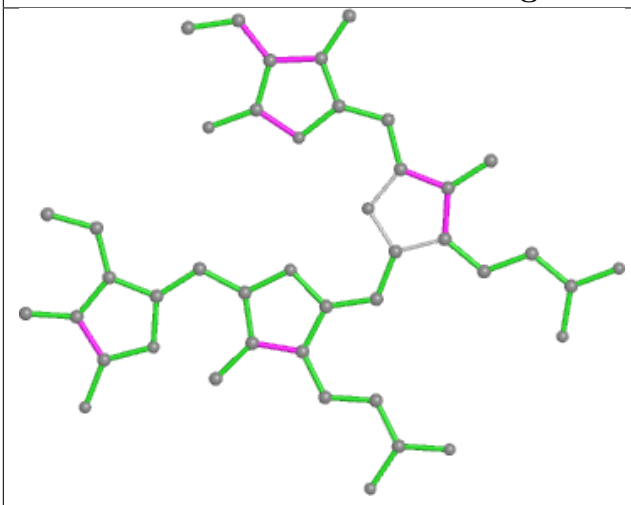


Rings

Ligand PEB eJ 202



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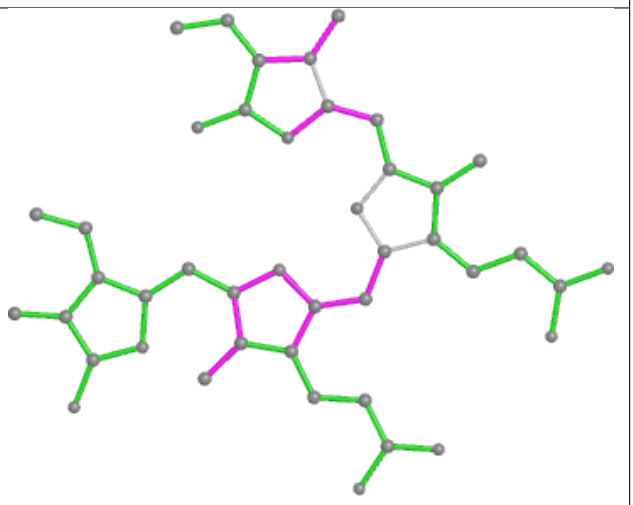

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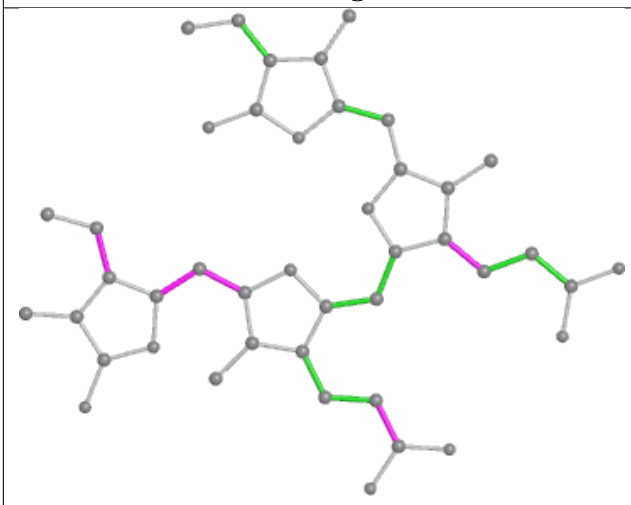

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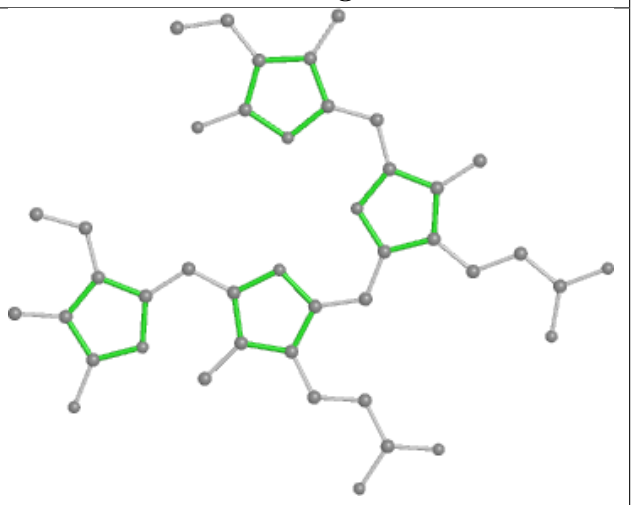
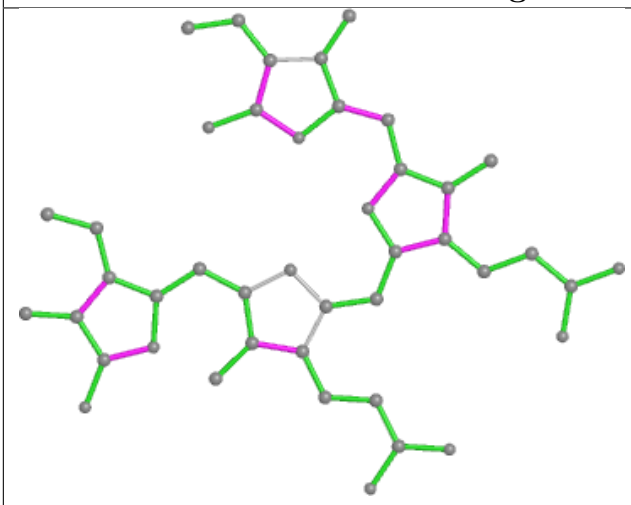


Rings

Ligand PUB a3 1006



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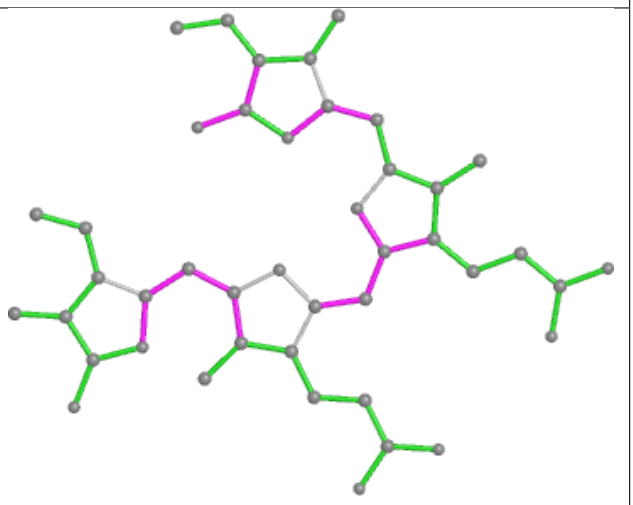

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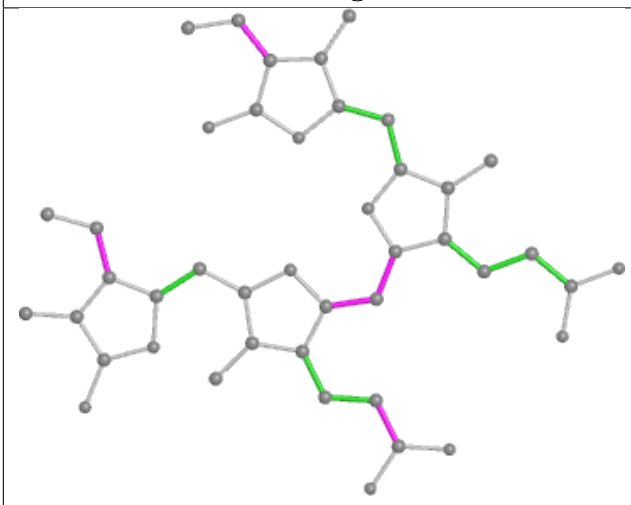

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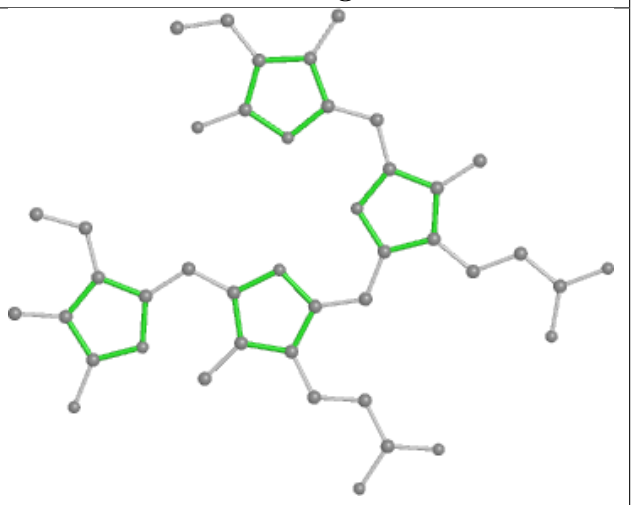
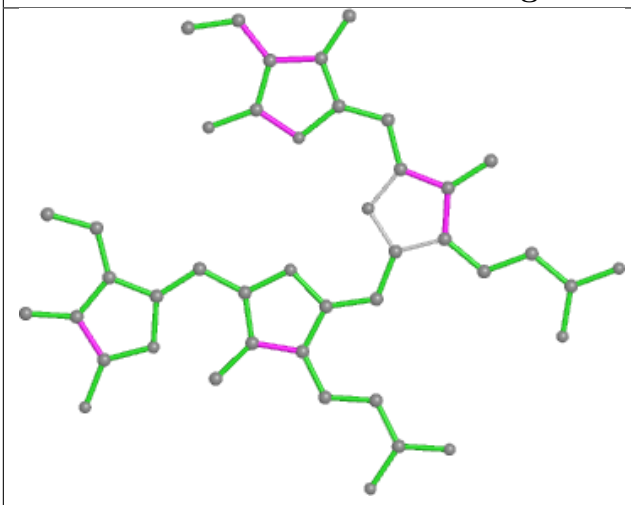


Rings

Ligand PEB e7 202



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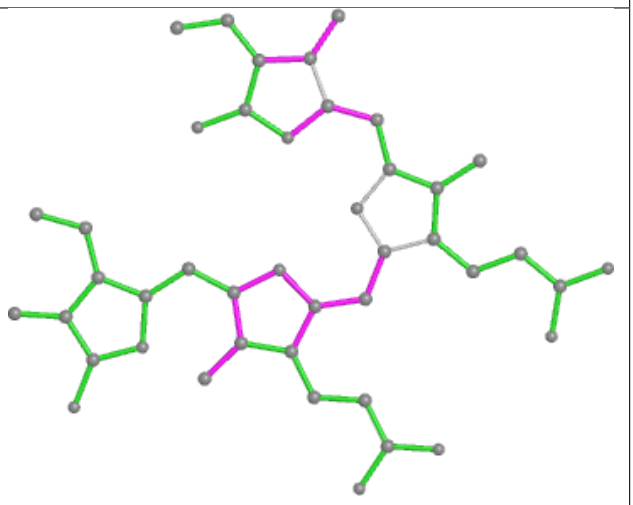

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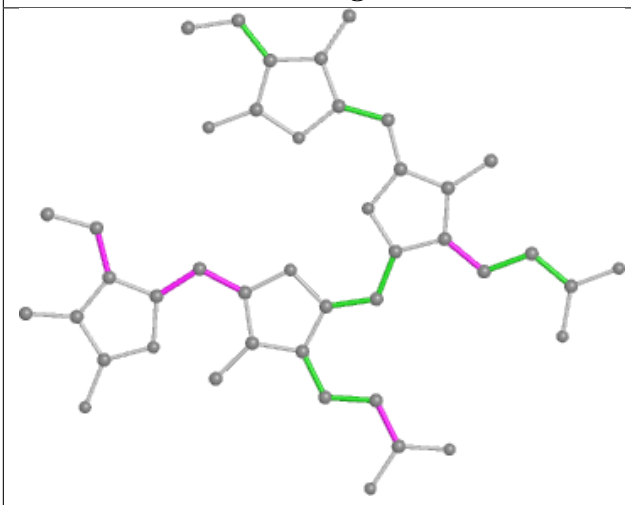

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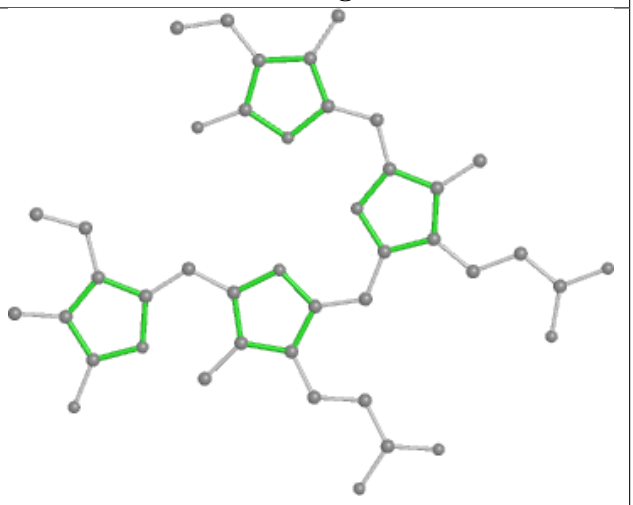

Rings

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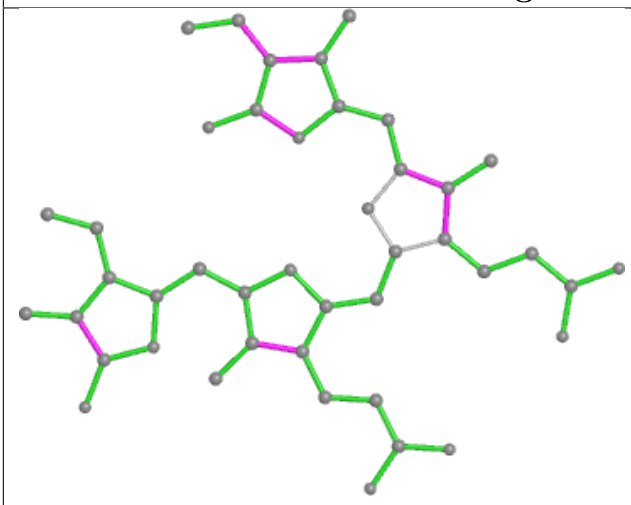

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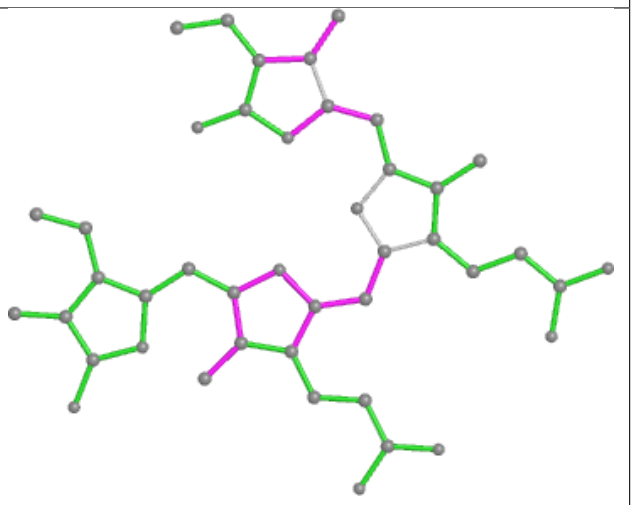

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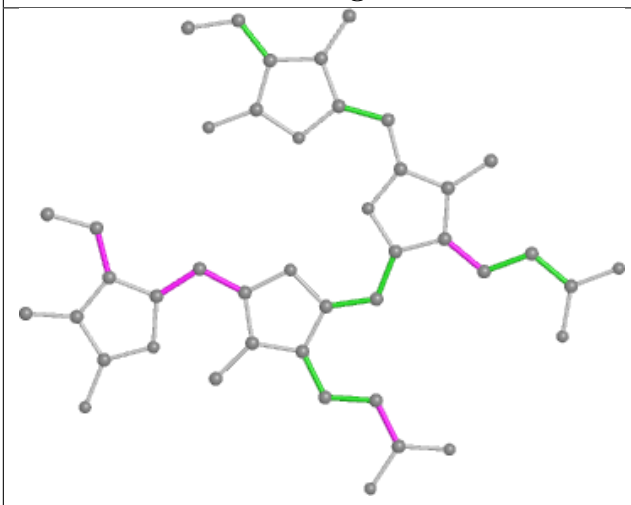

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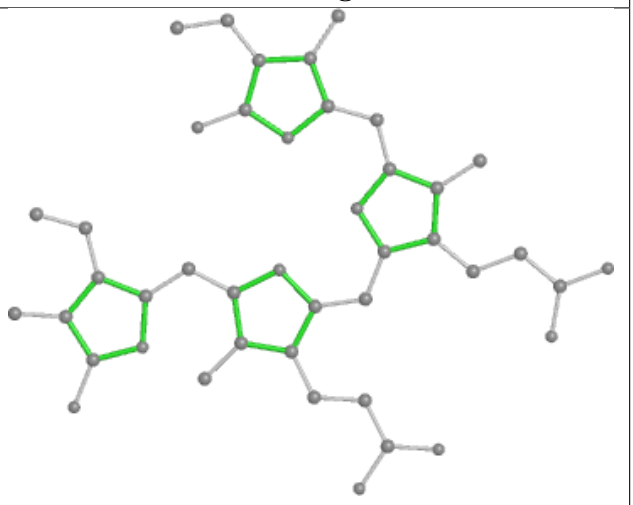
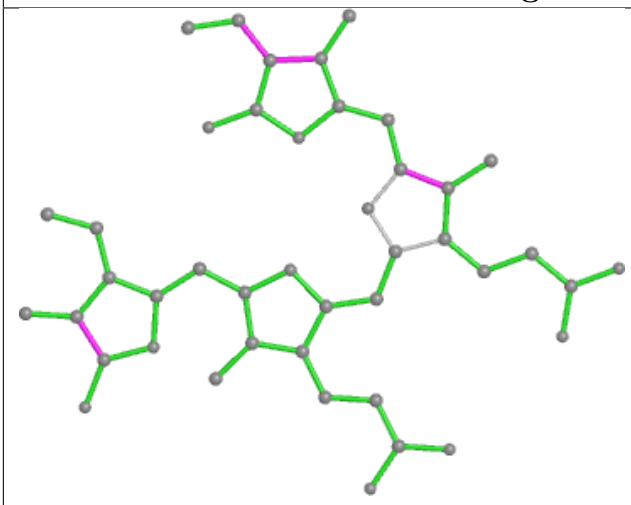


Rings

Ligand PEB ec 201



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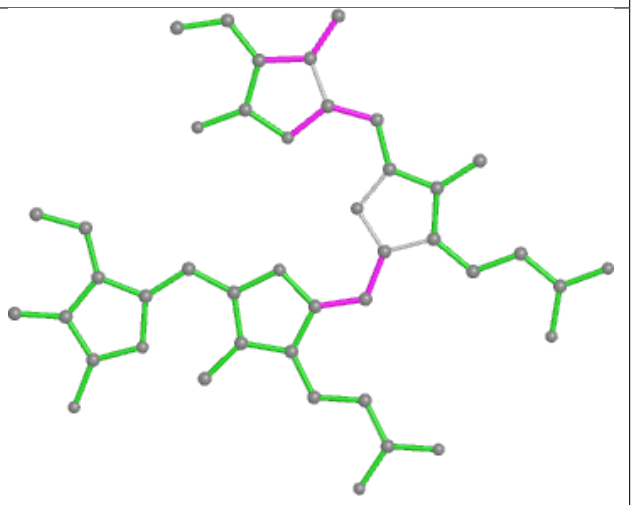
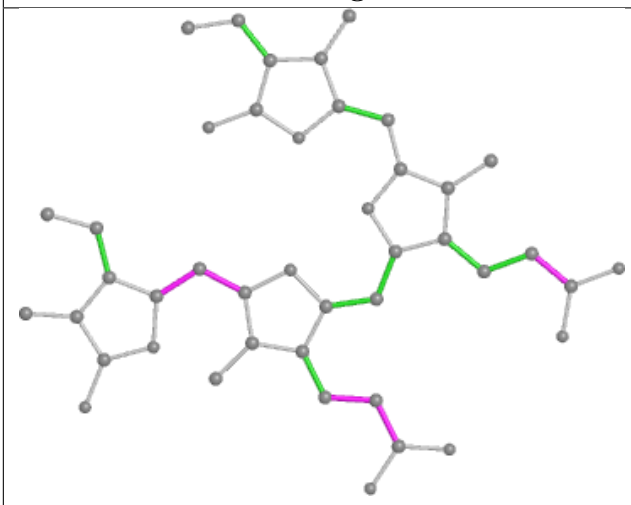
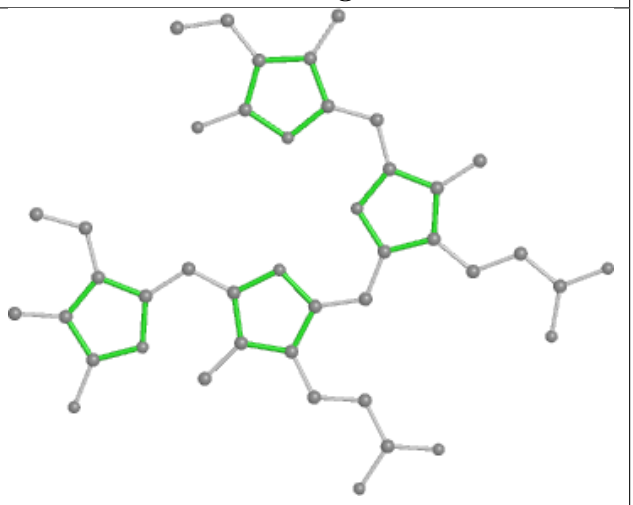


Bond angles

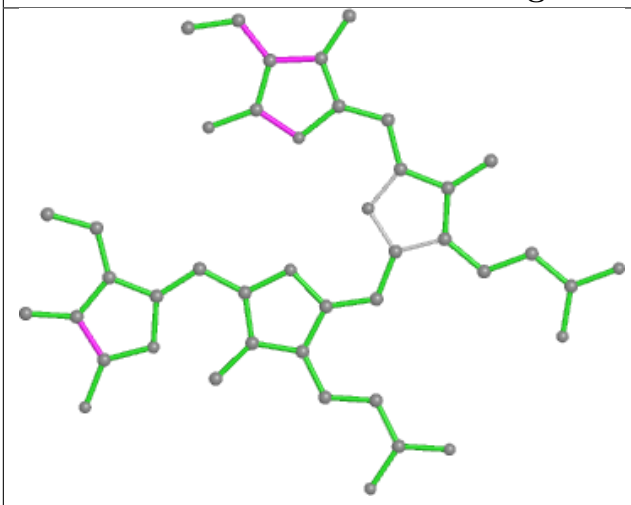


Torsions



Rings

Ligand PEB li 202



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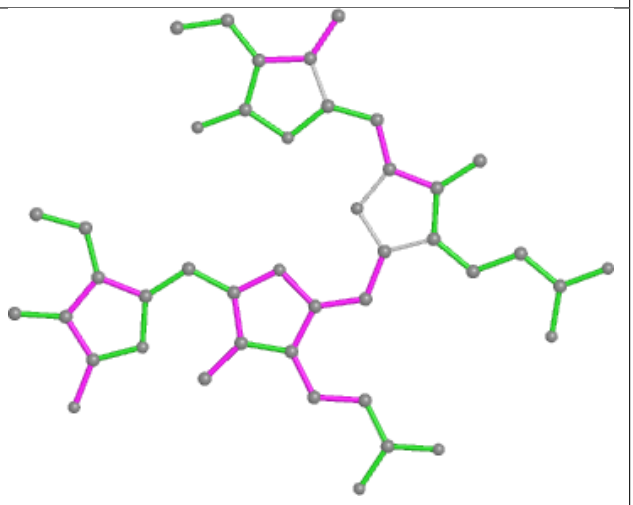

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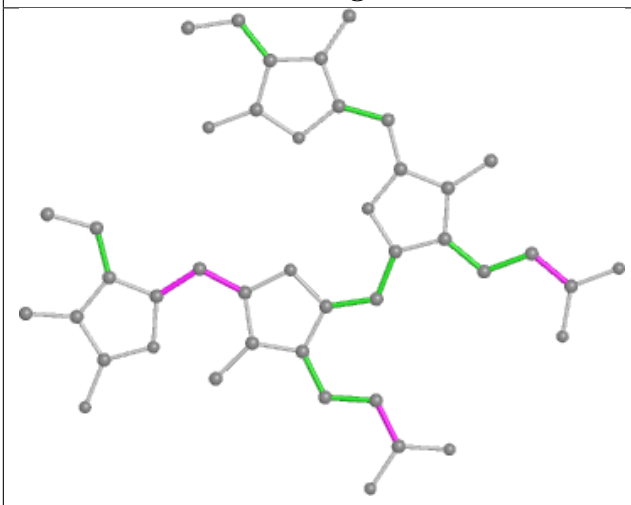

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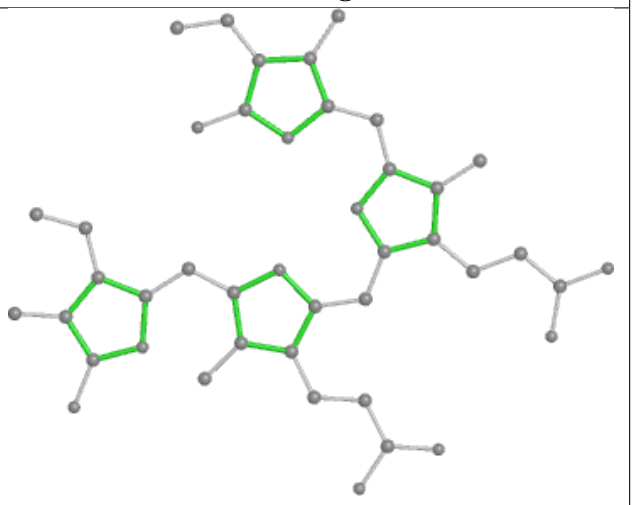
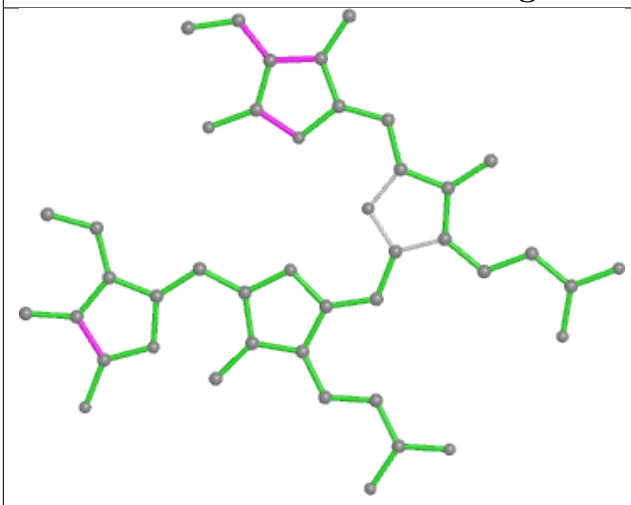


Rings

Ligand PEB S4 202



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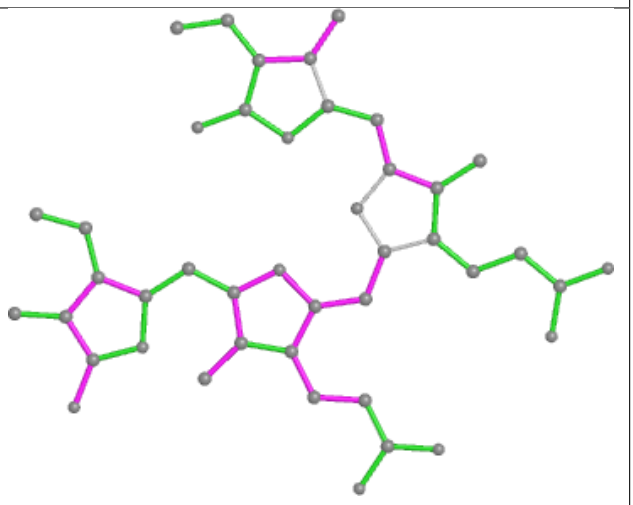

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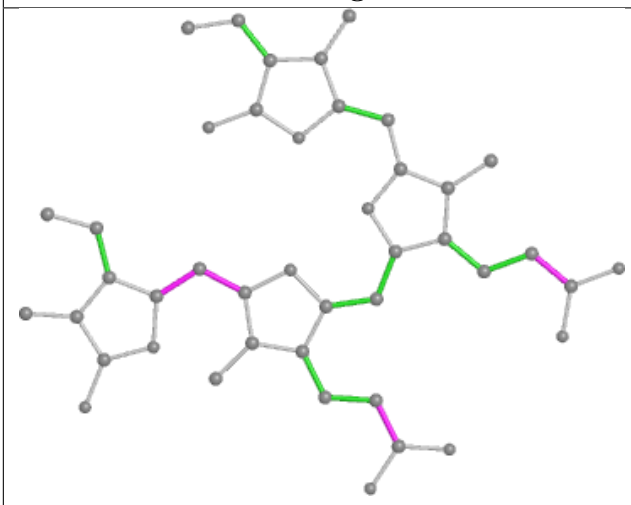

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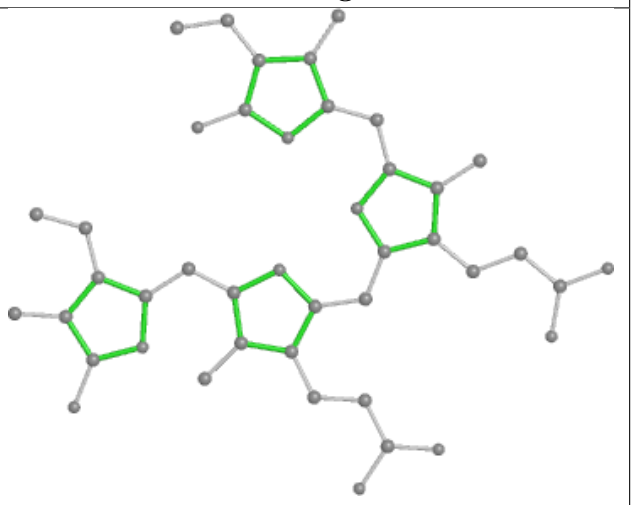

Rings

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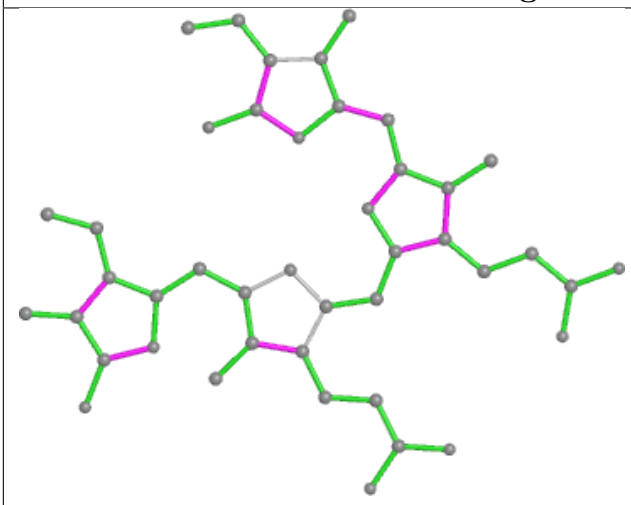

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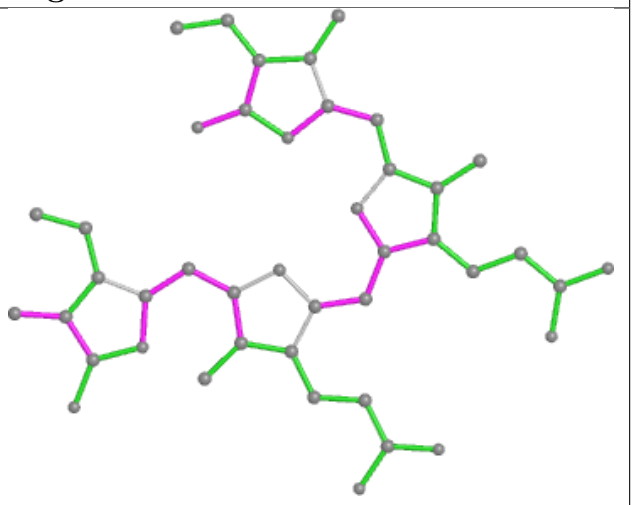

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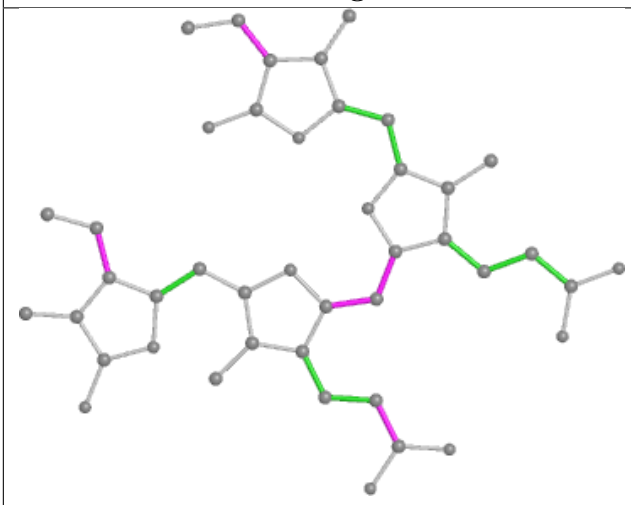

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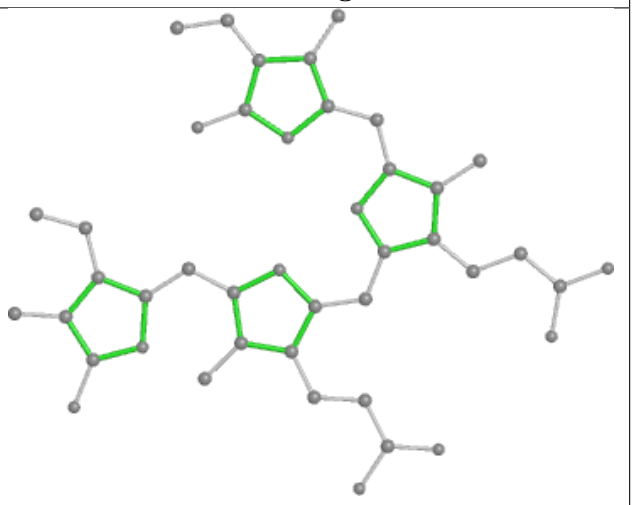
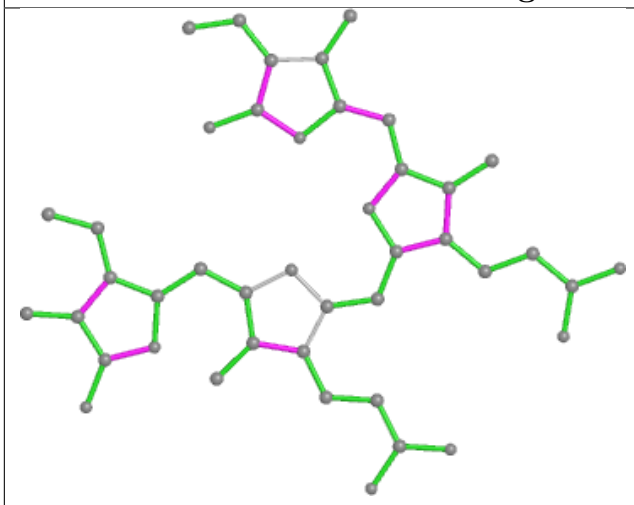


Rings

Ligand PUB ap 203



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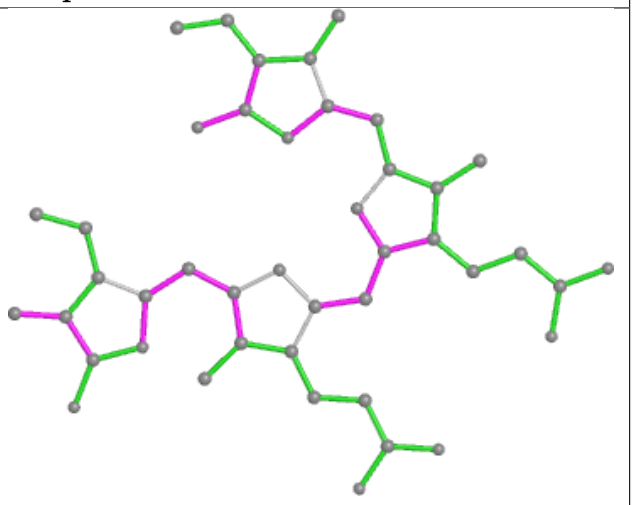

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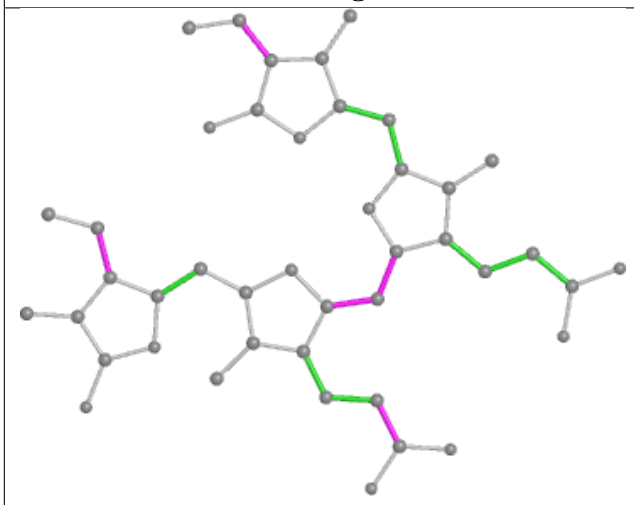

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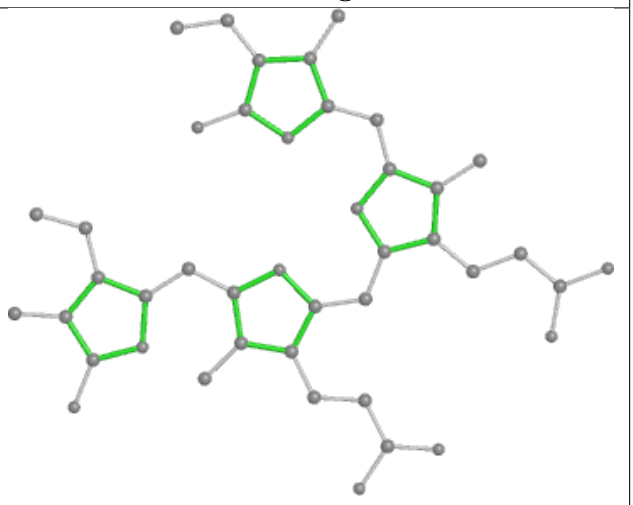
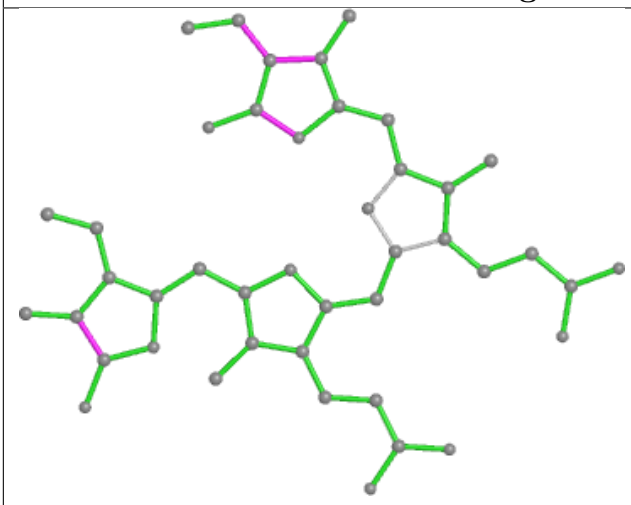


Rings

Ligand PEB x9 201



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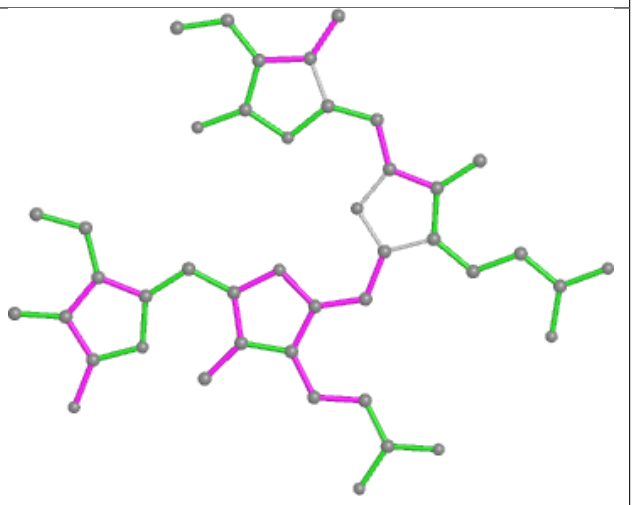

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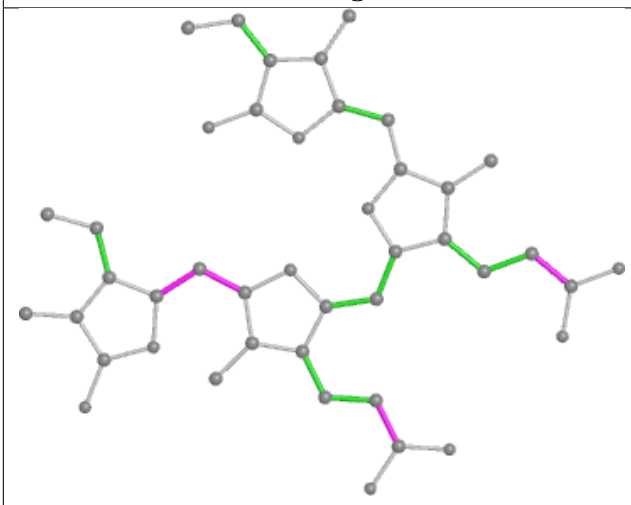

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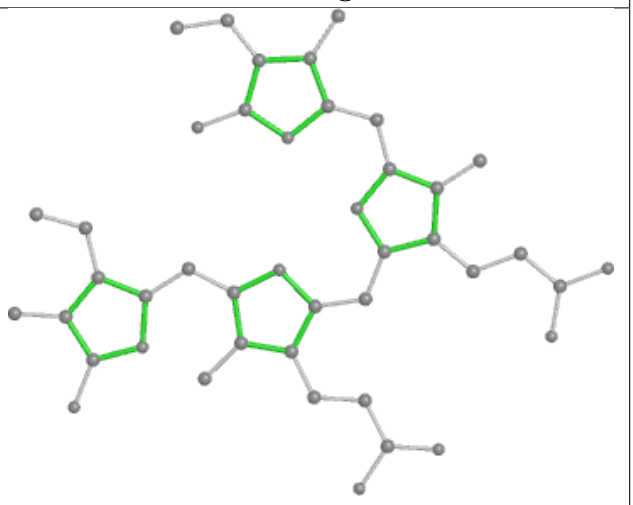

Rings

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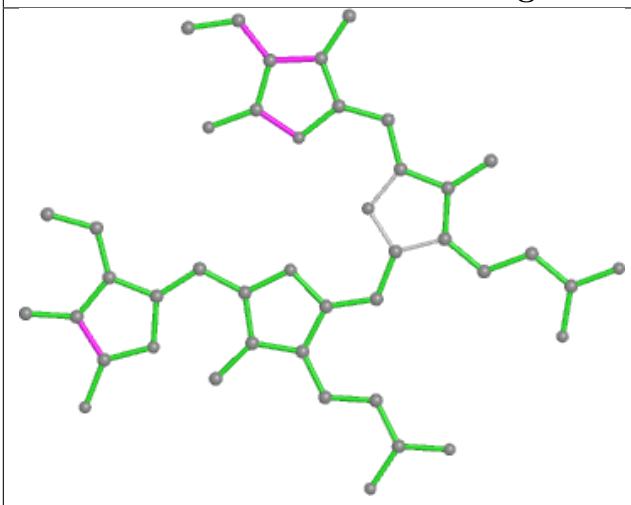

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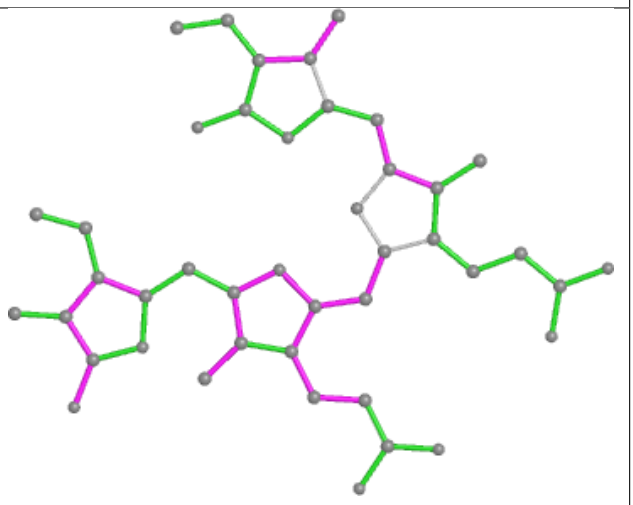

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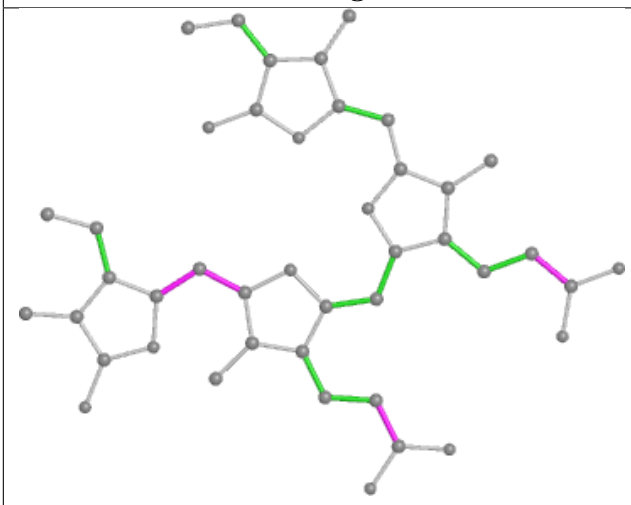

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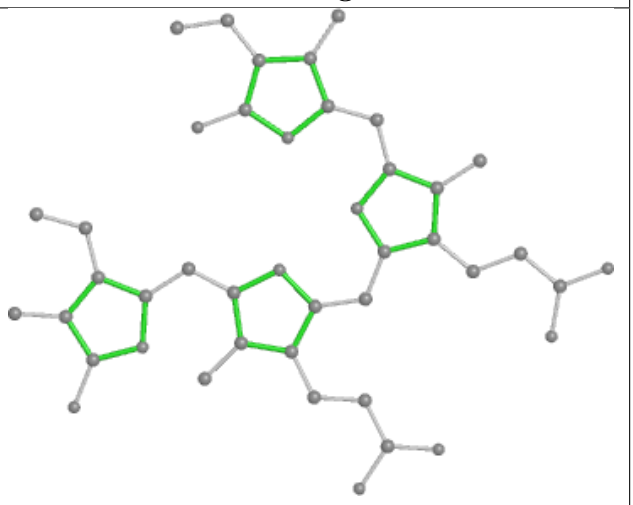

Rings

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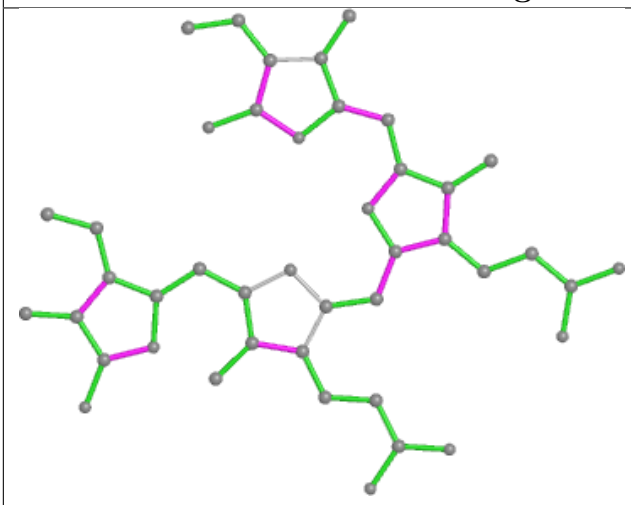

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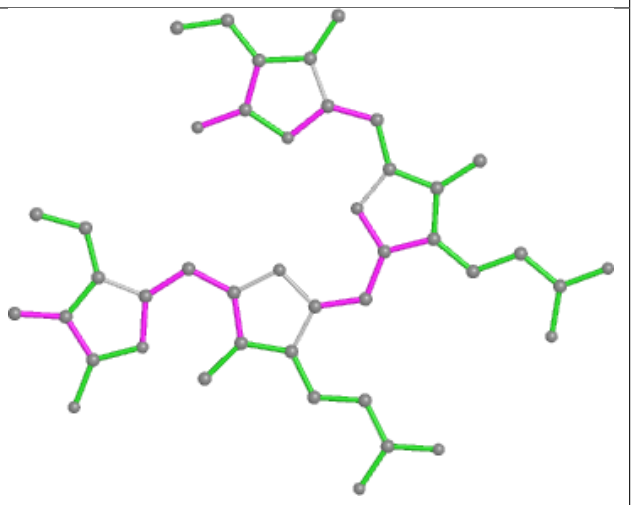

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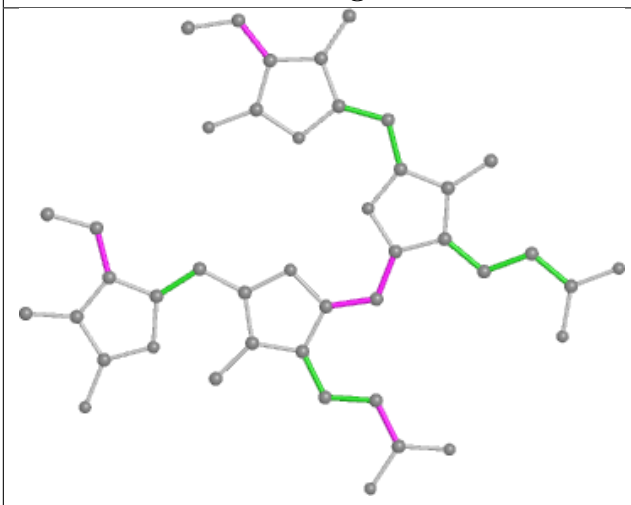

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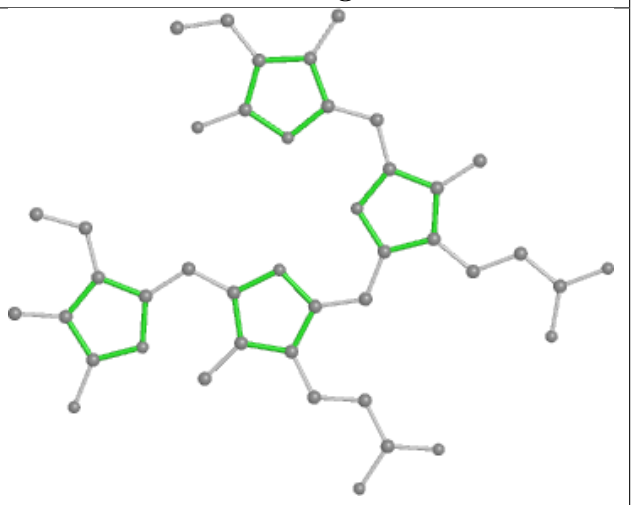
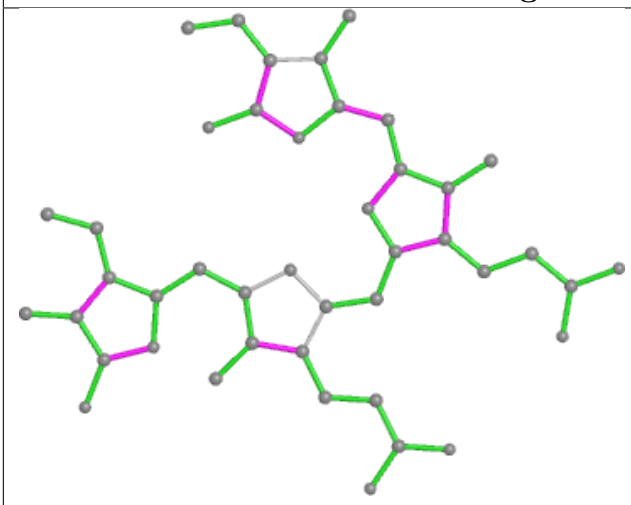


Rings

Ligand PUB at 203



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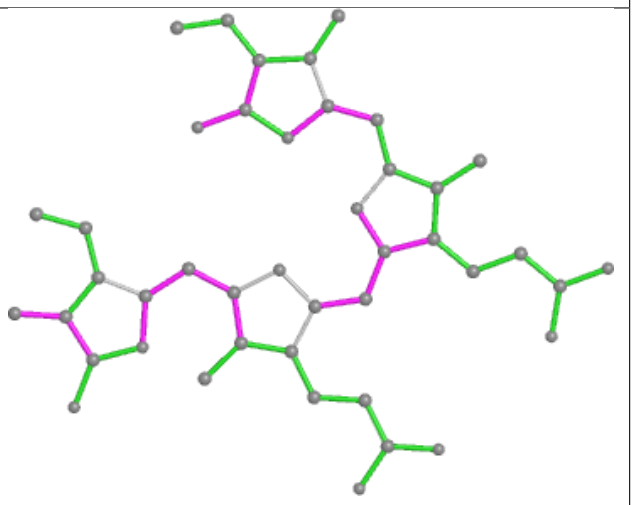

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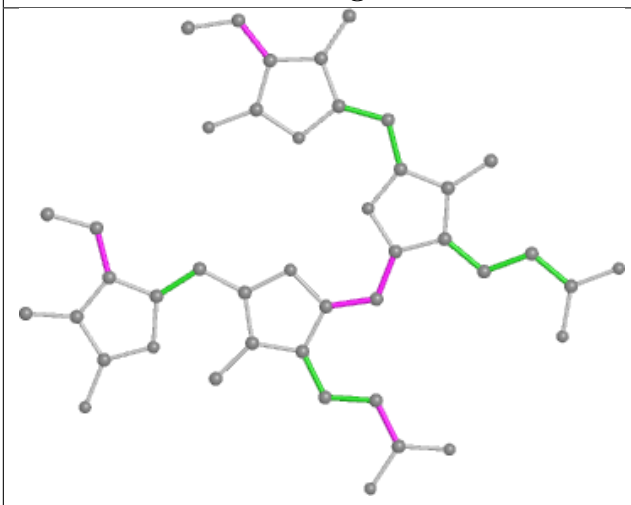

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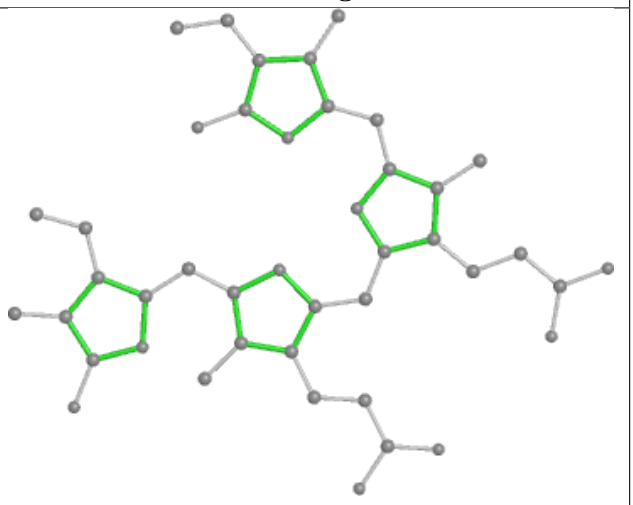
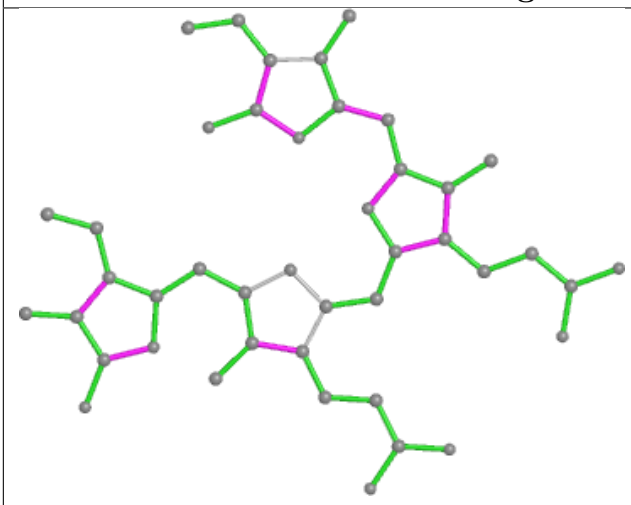


Rings

Ligand PUB v5 203



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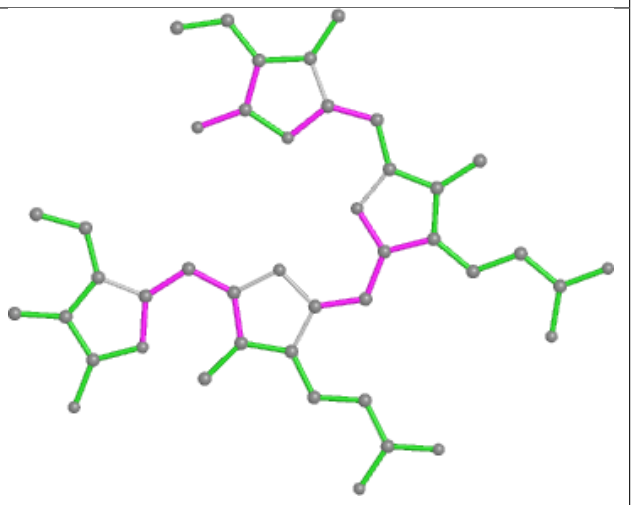

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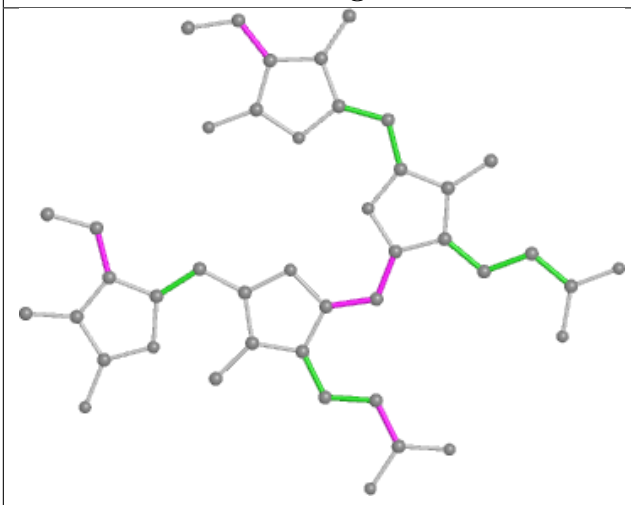

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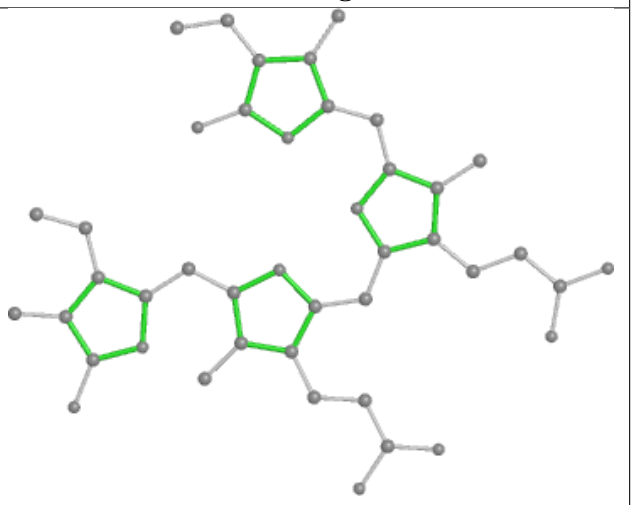
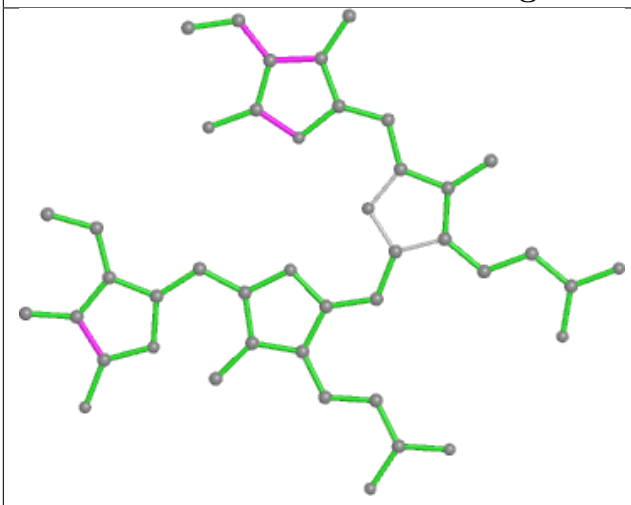


Rings

Ligand PEB y7 201



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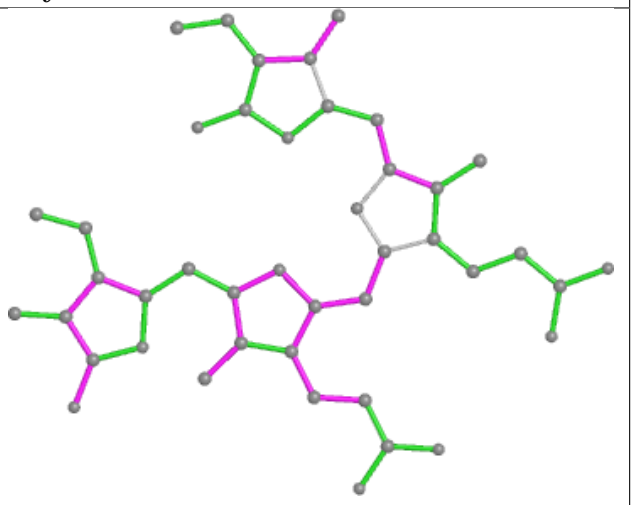

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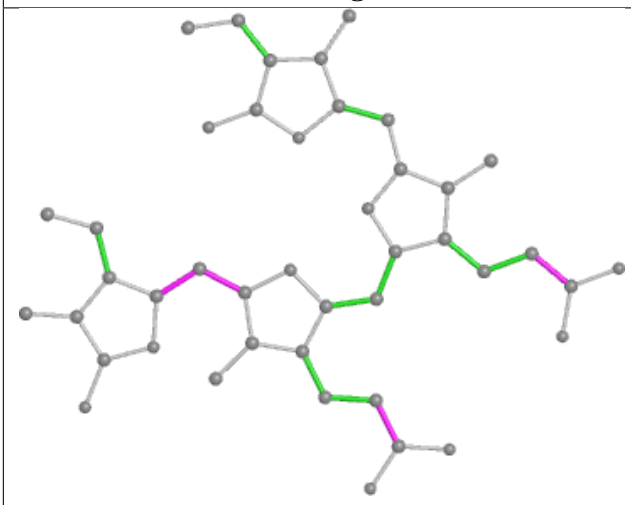

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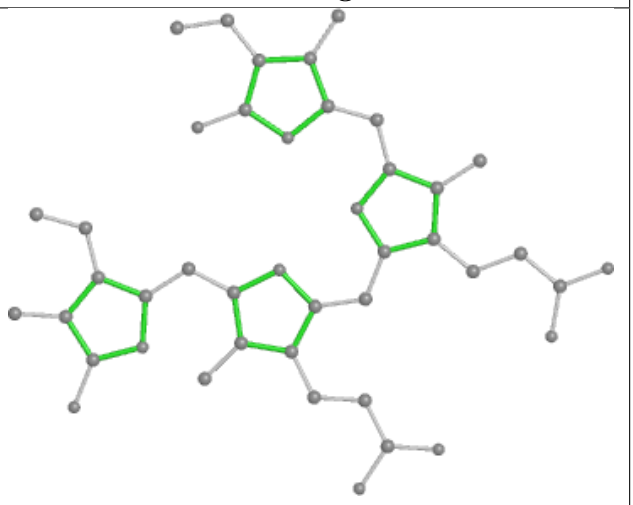

Rings

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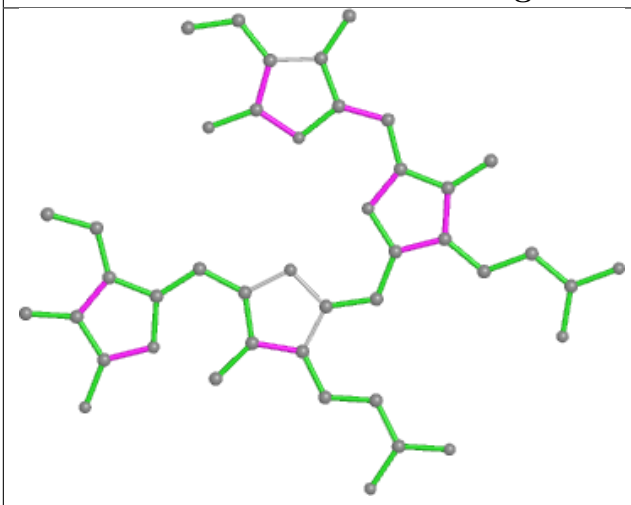

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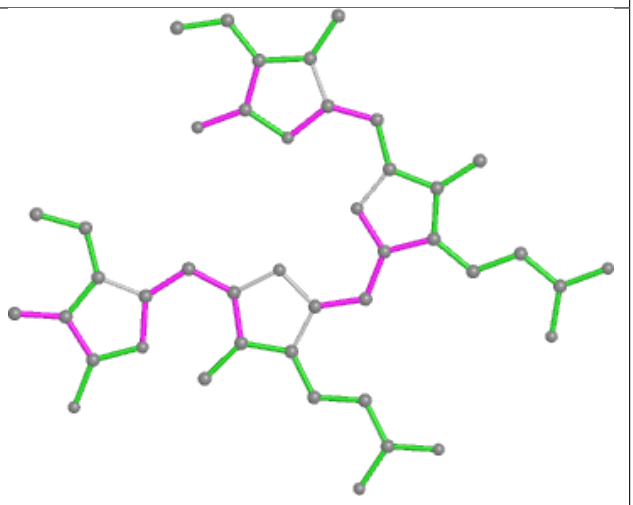

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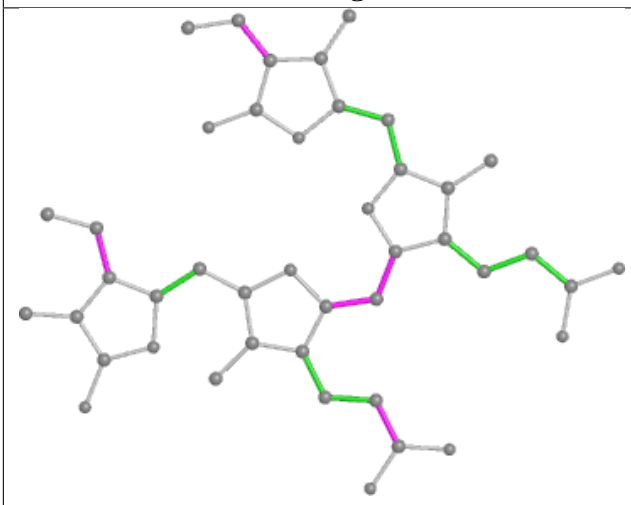

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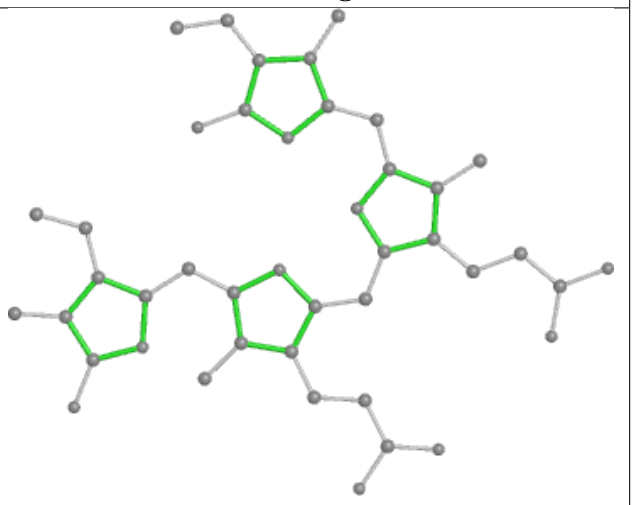

Rings

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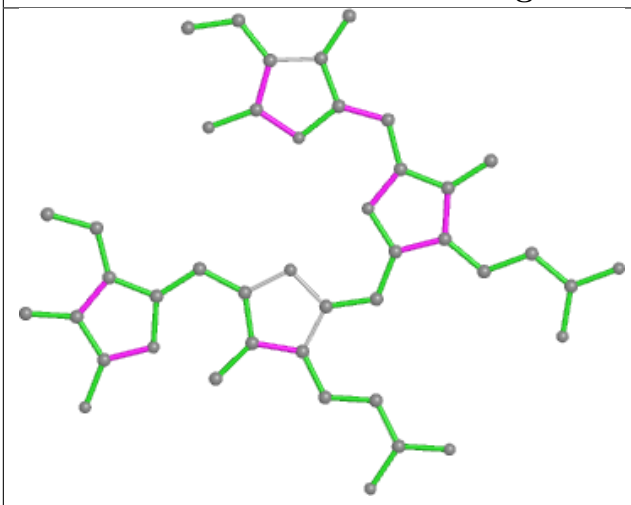

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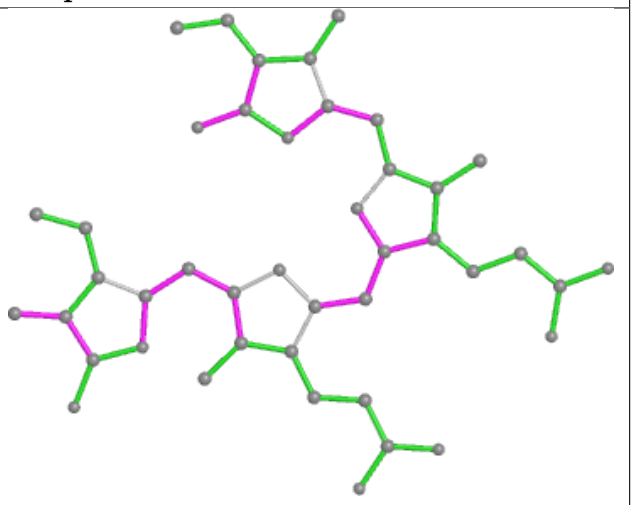

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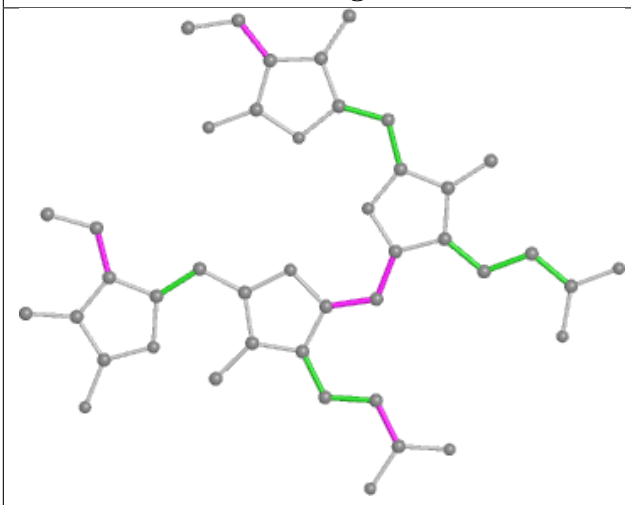

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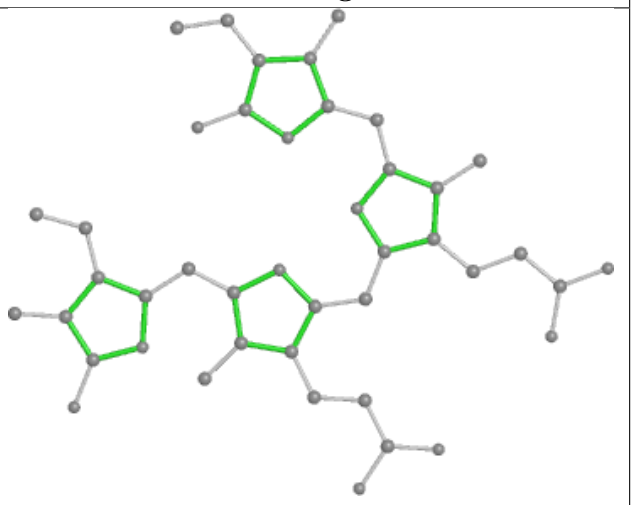
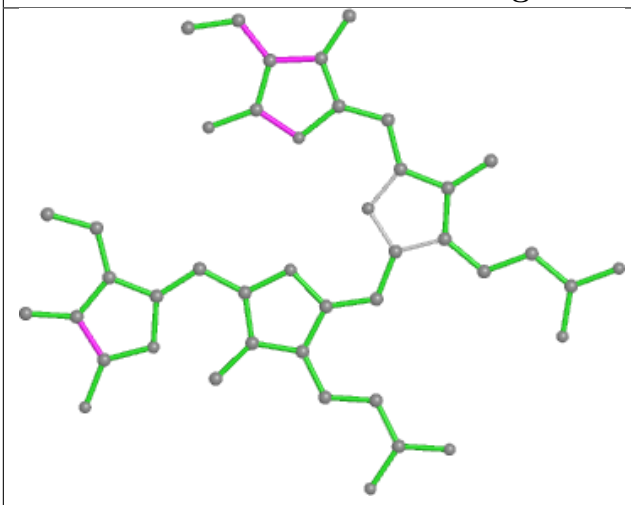


Rings

Ligand PEB aM 201



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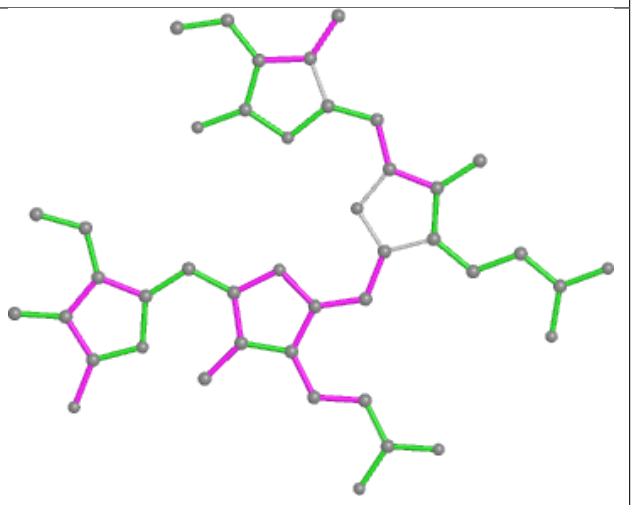
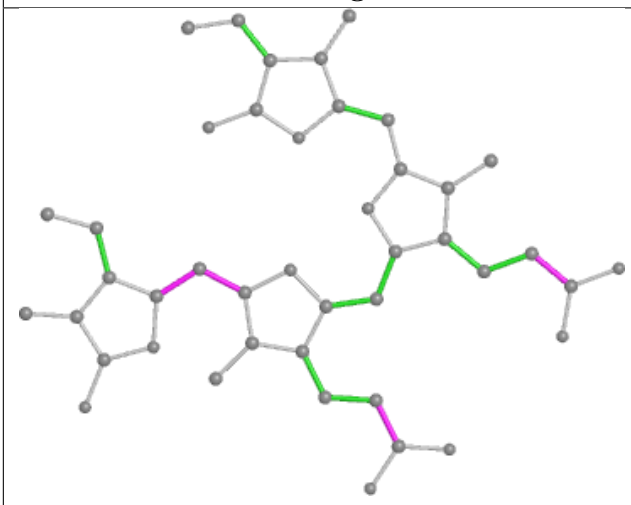
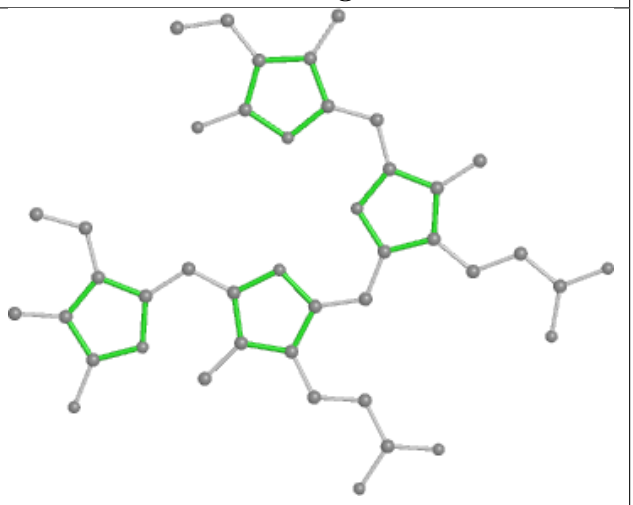


Bond angles

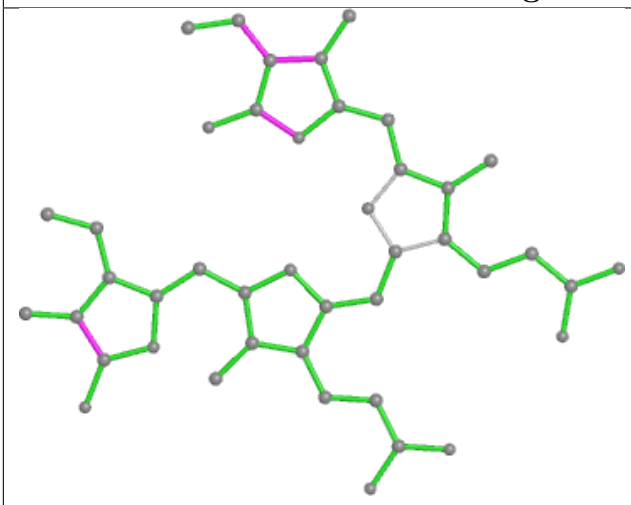


Torsions



Rings

Ligand PEB cs 201



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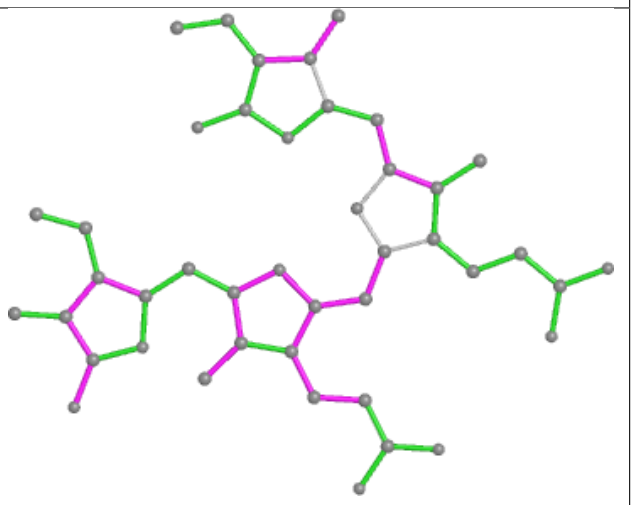
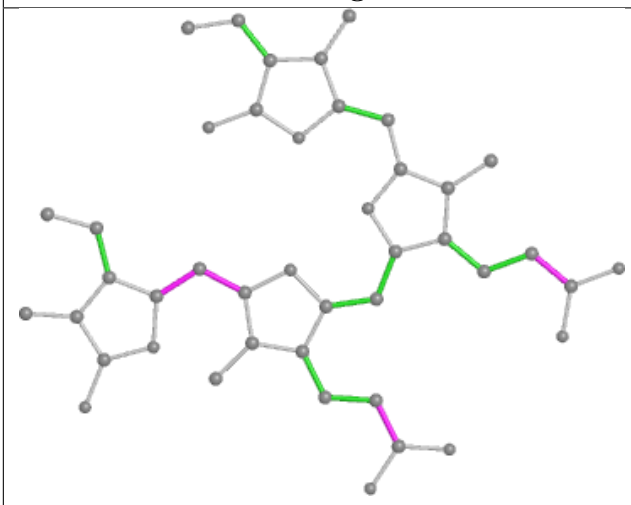


Bond angles



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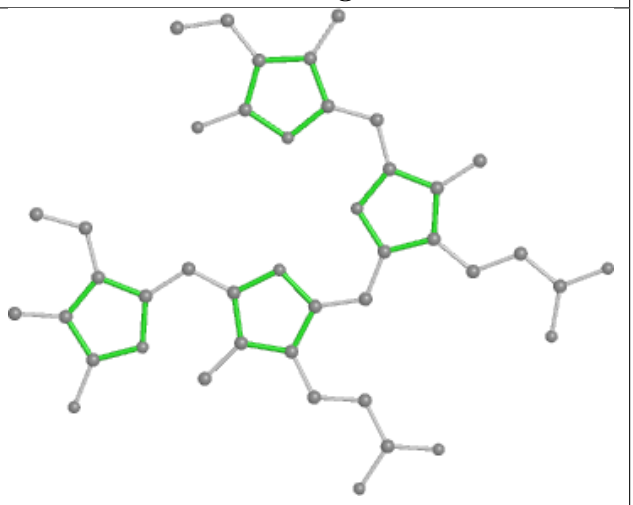
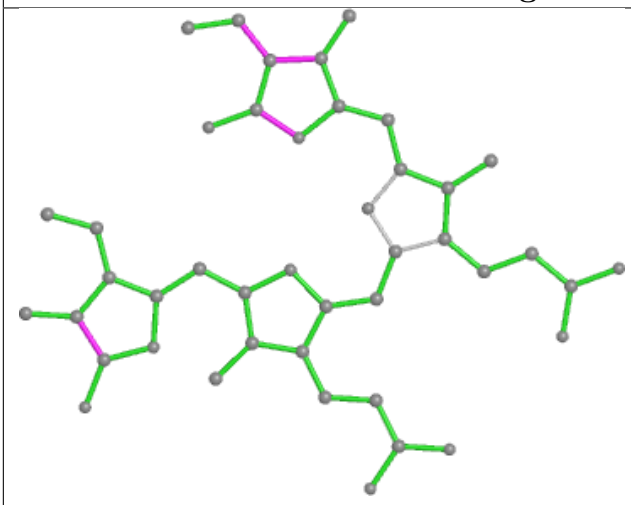


Rings

Ligand PEB q8 201



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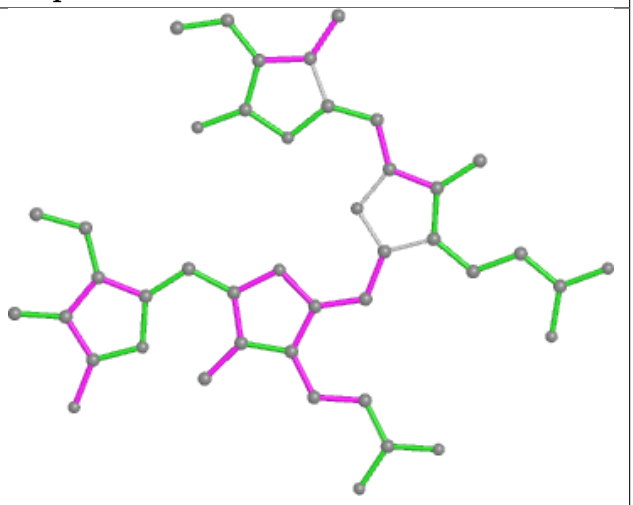

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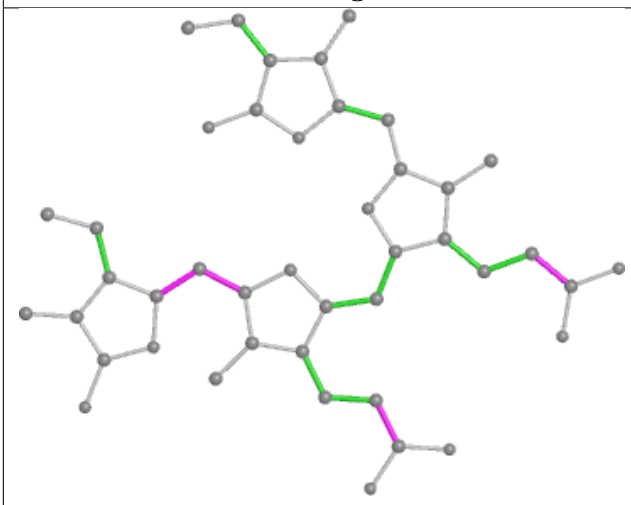

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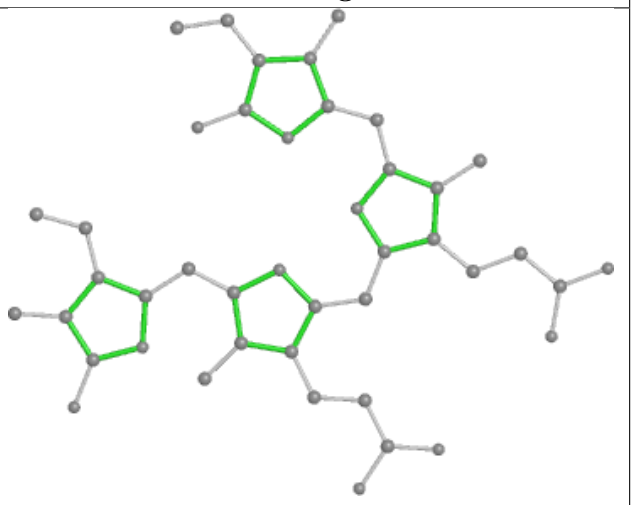
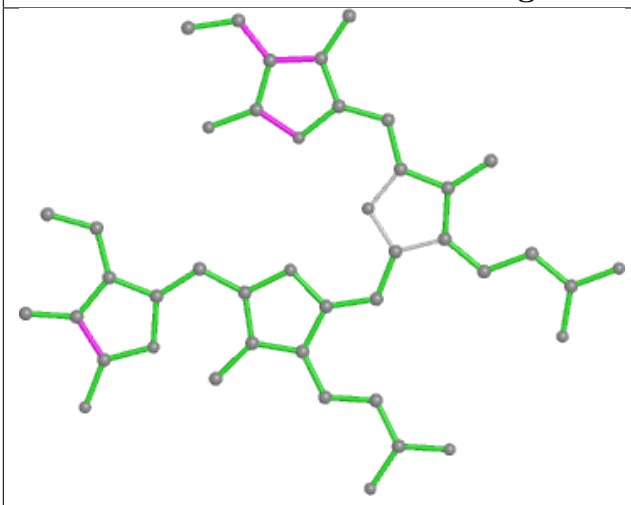


Rings

Ligand PEB Z6 201



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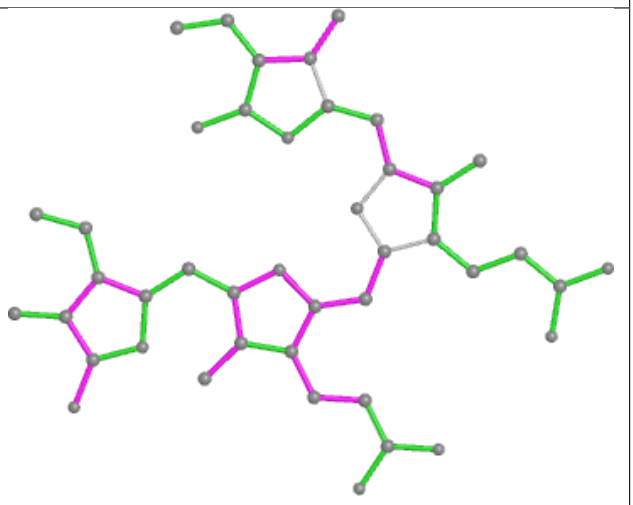

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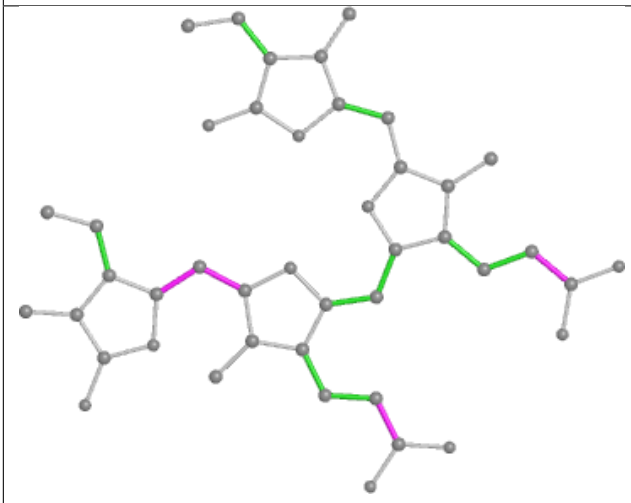

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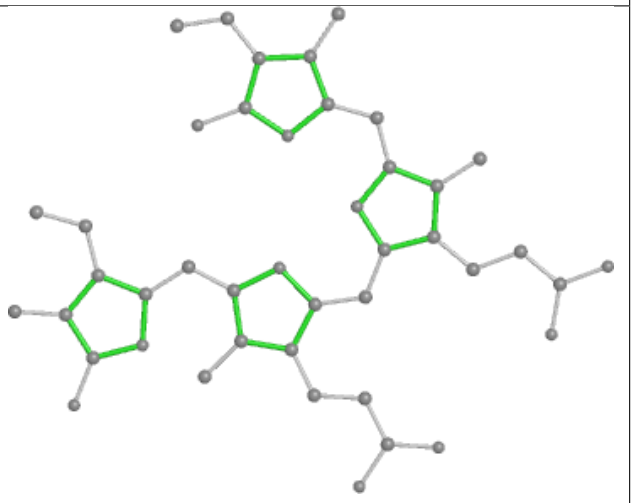
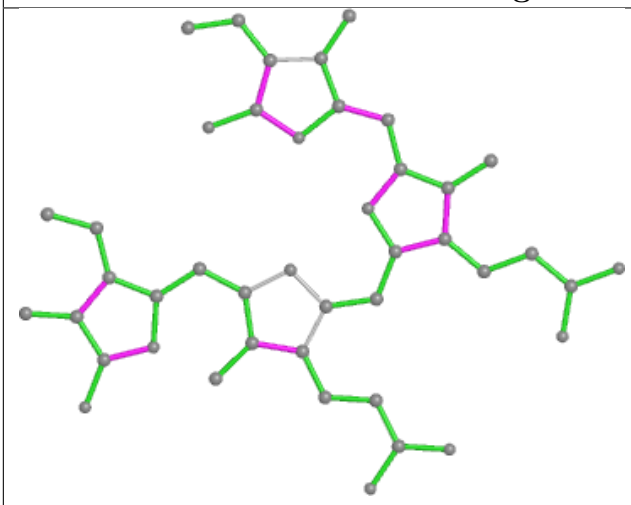


Rings

Ligand PUB aN 203



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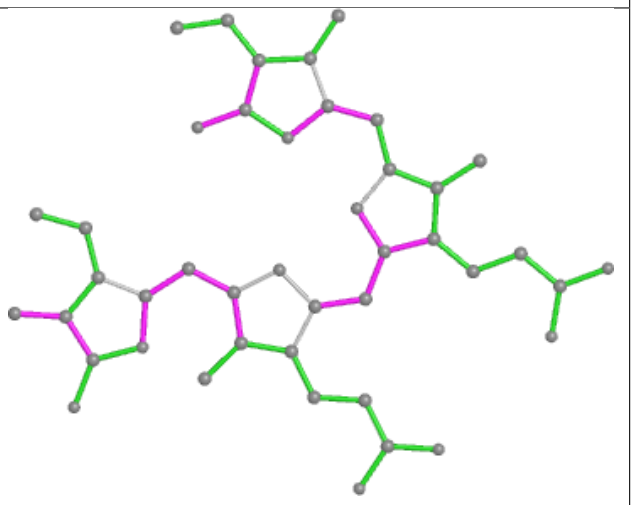

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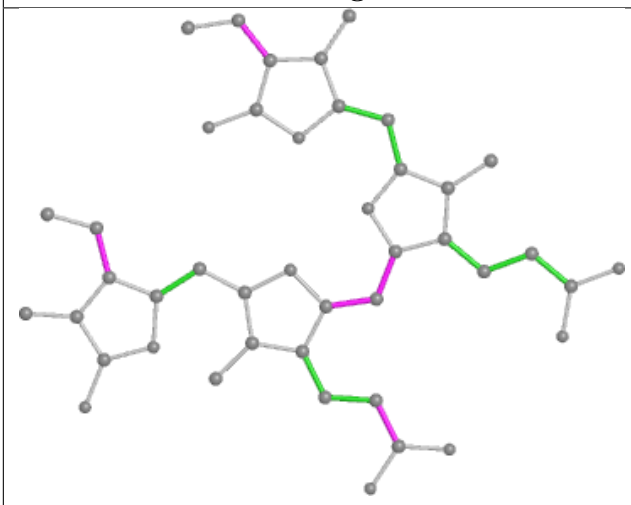

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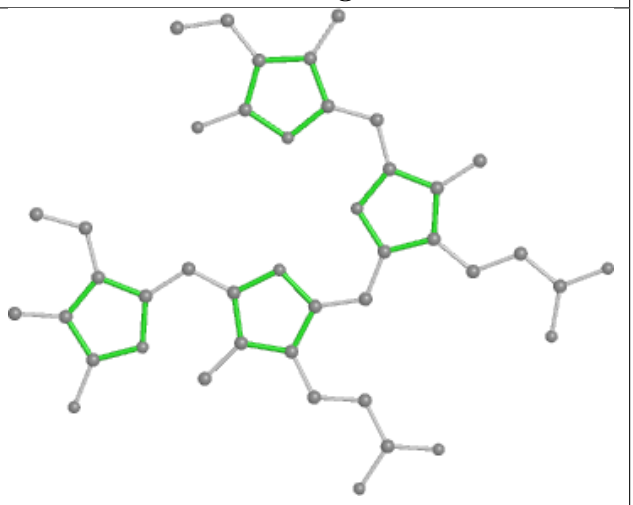
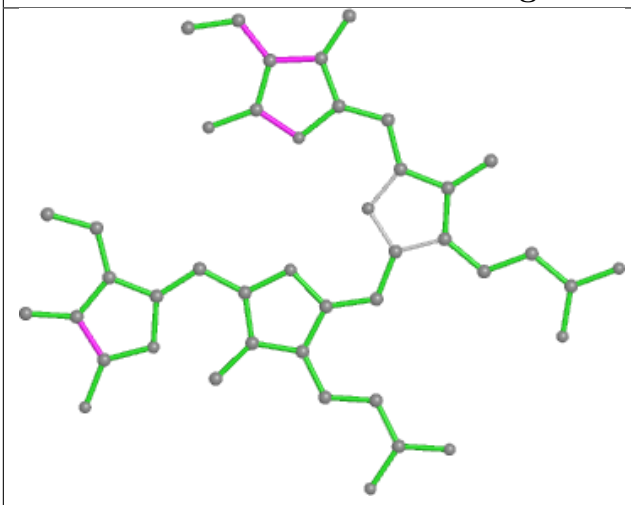


Rings

Ligand PEB y3 201



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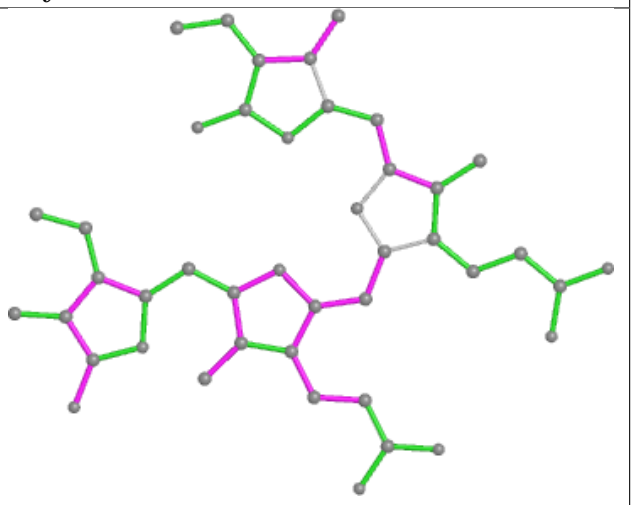

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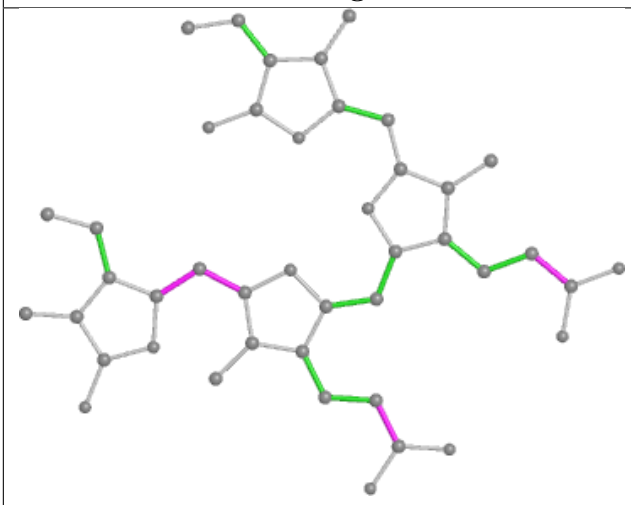

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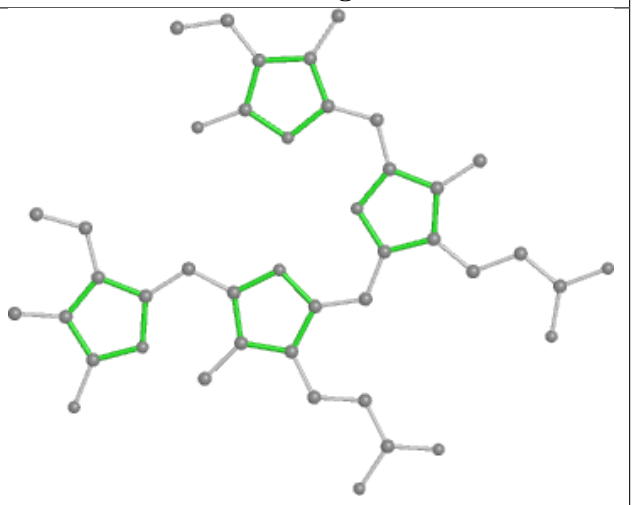

Rings

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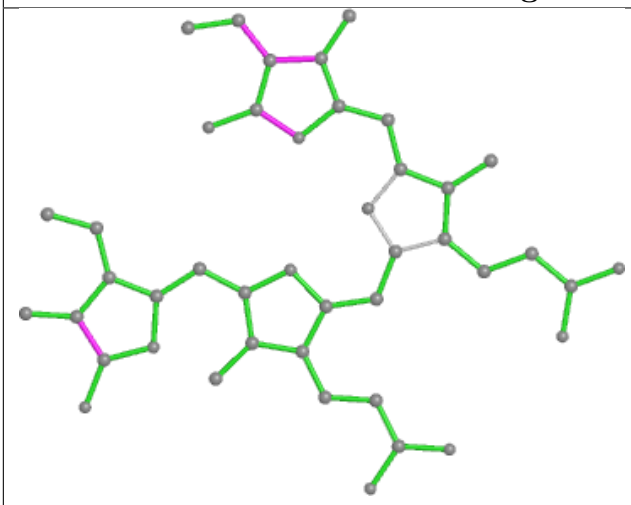

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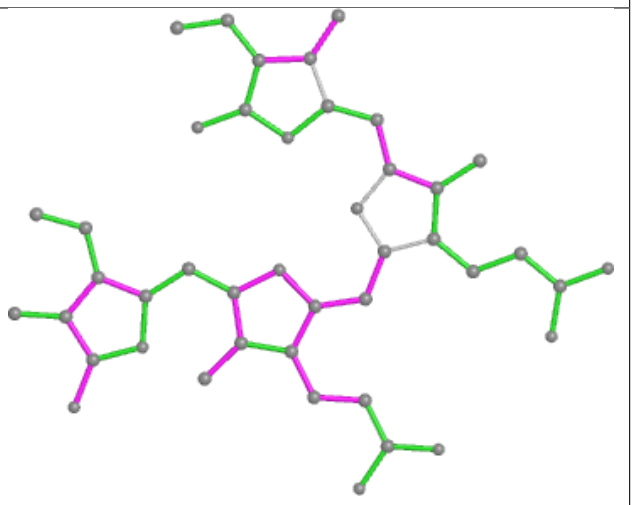

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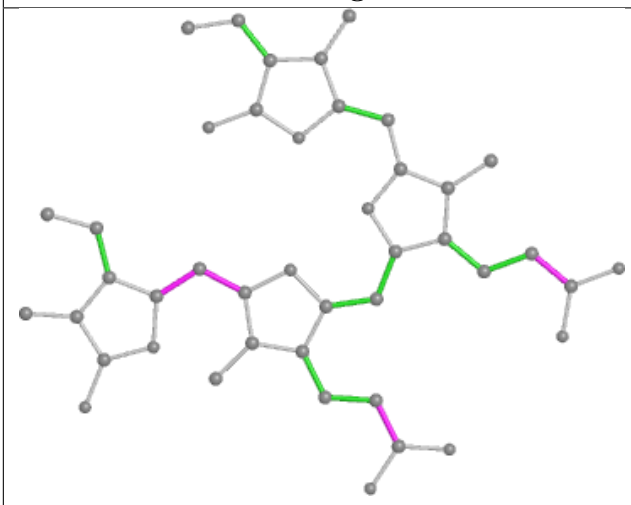

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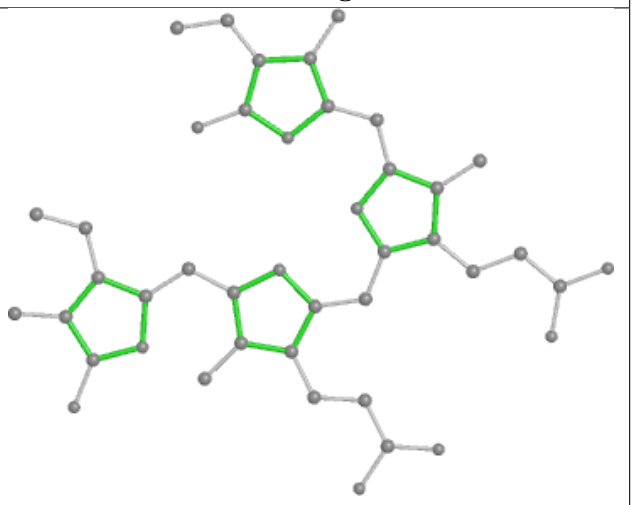
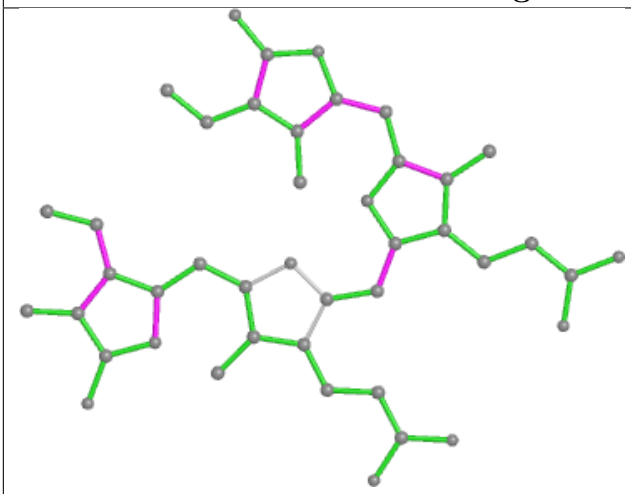


Rings

Ligand PVN eY 403



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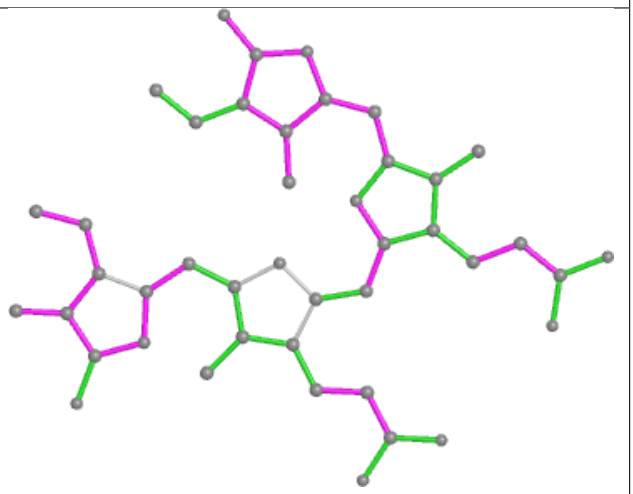

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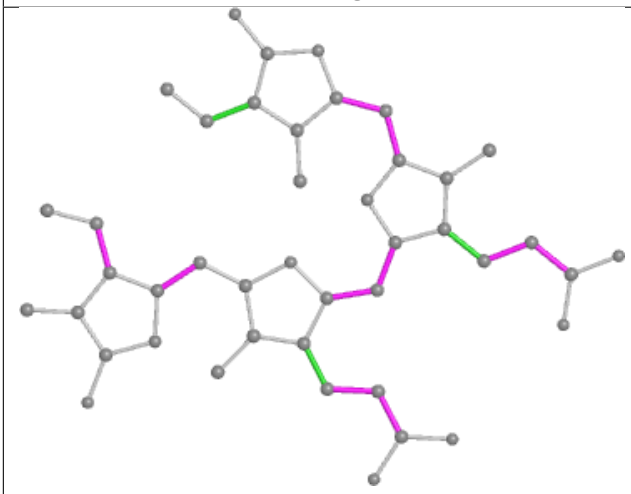

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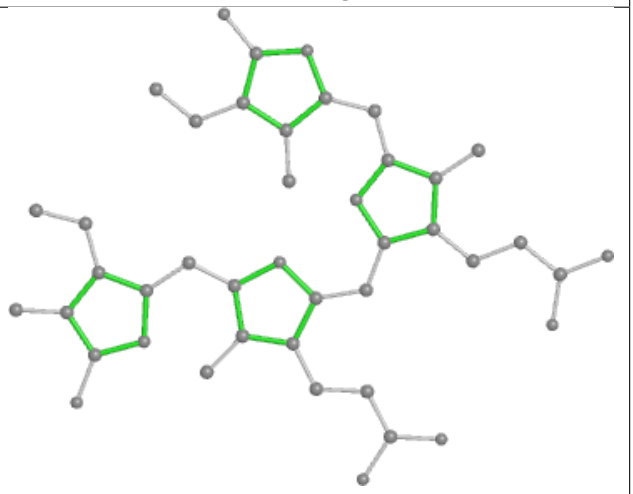
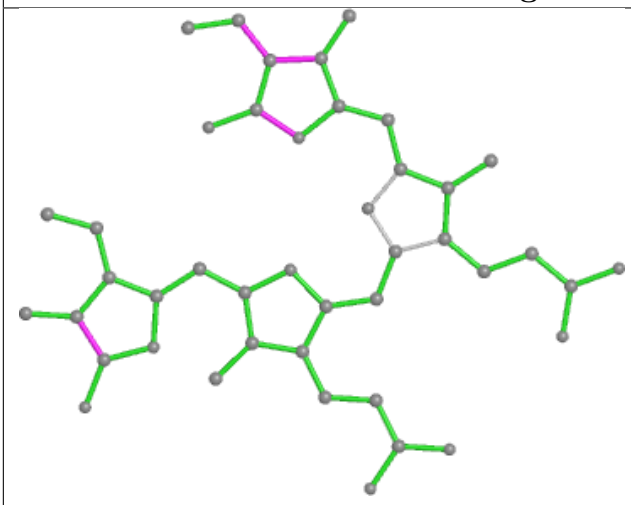


Rings

Ligand PEB a4 201



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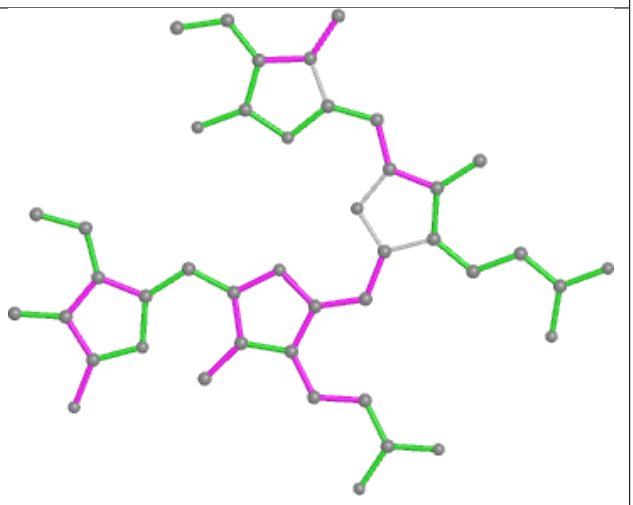

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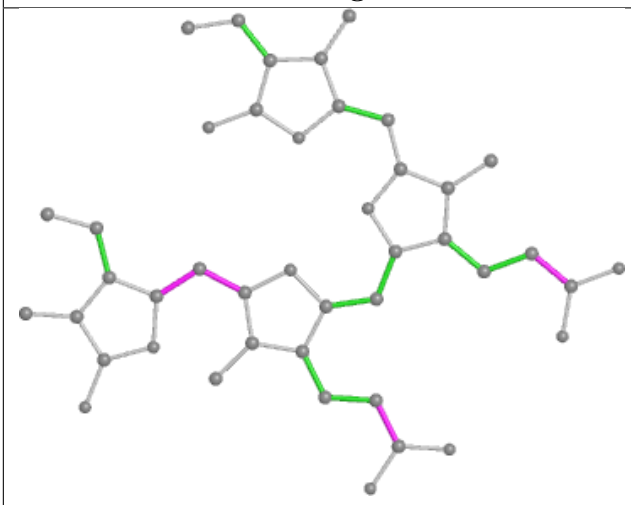

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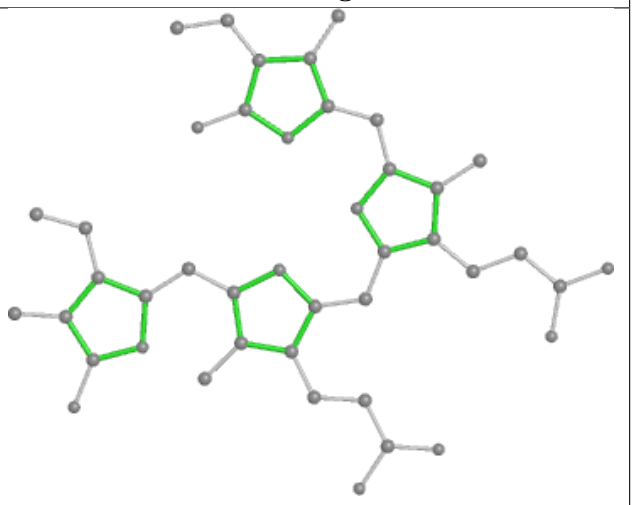

Rings

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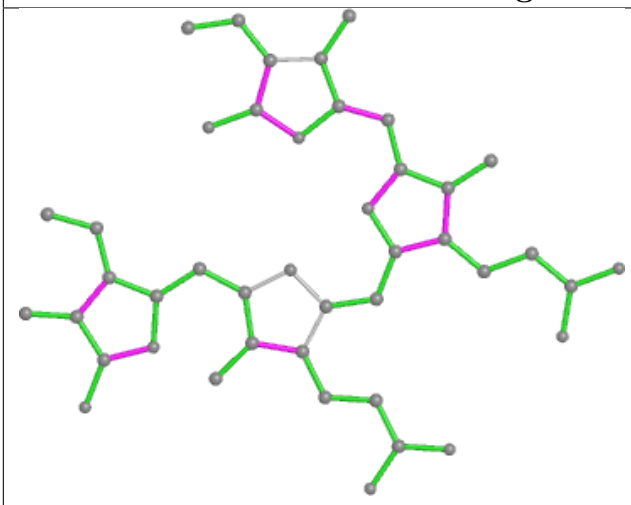

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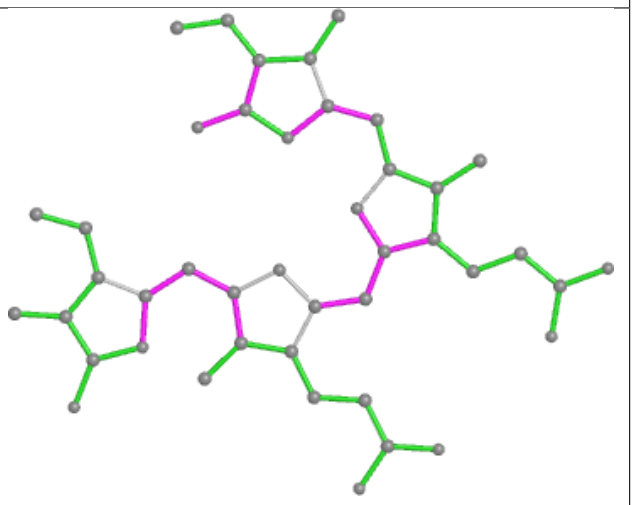

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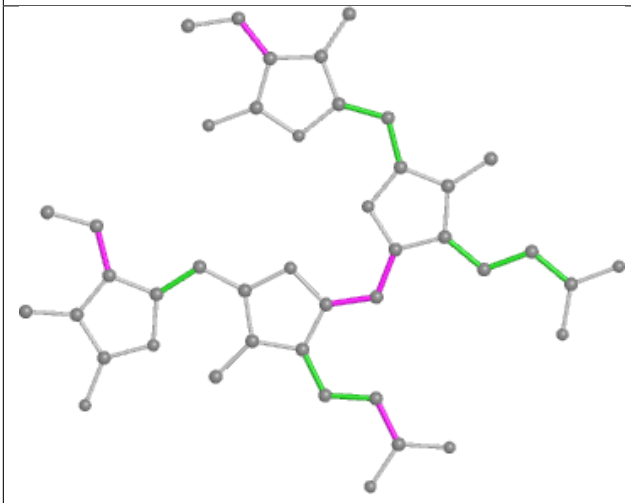

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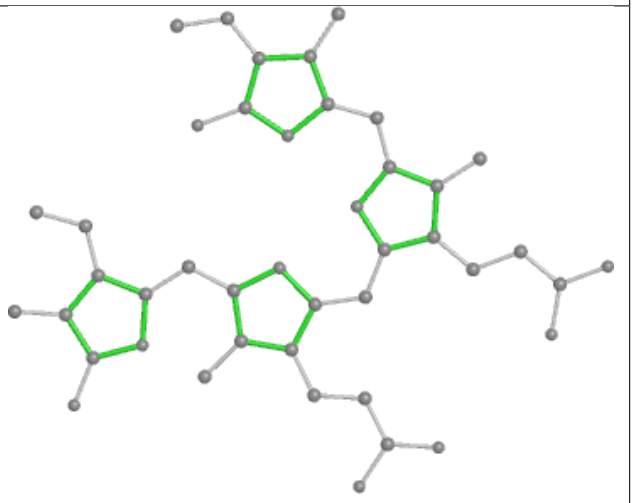
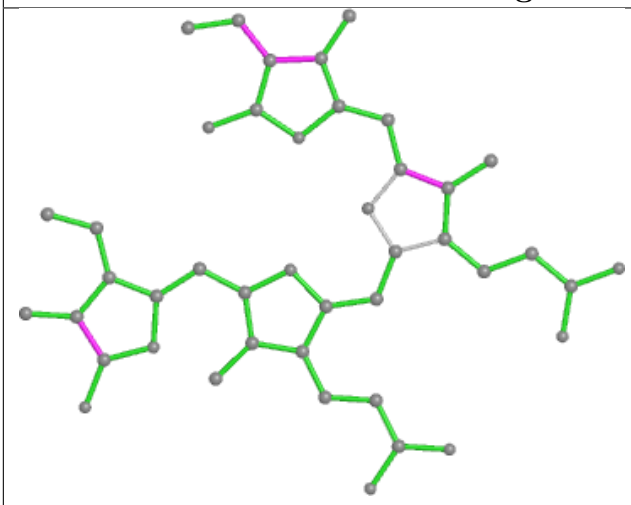


Rings

Ligand PEB V6 202



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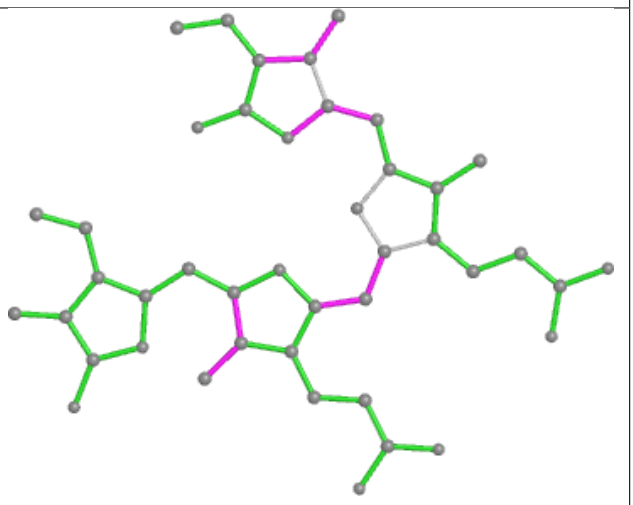

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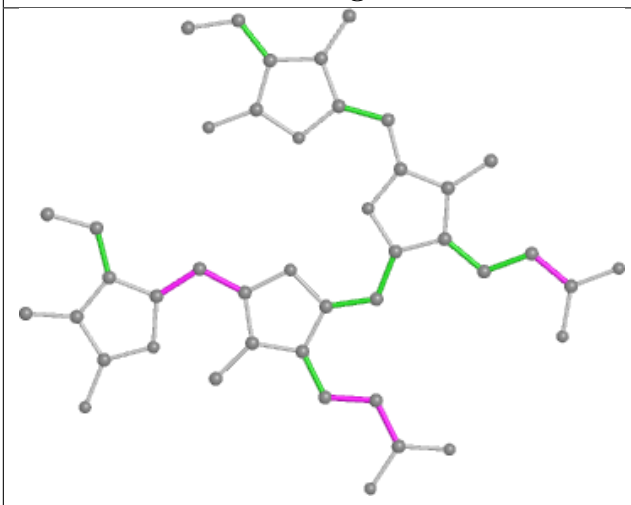

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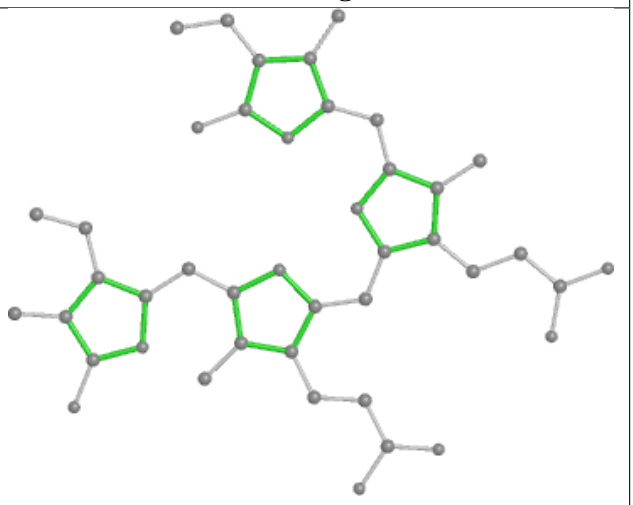

Rings

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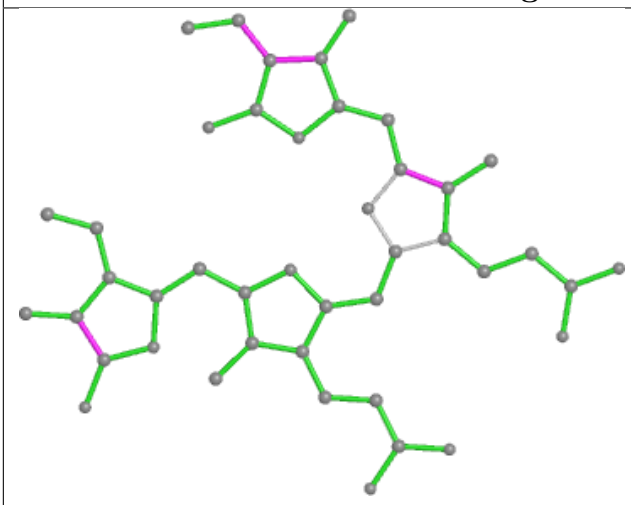

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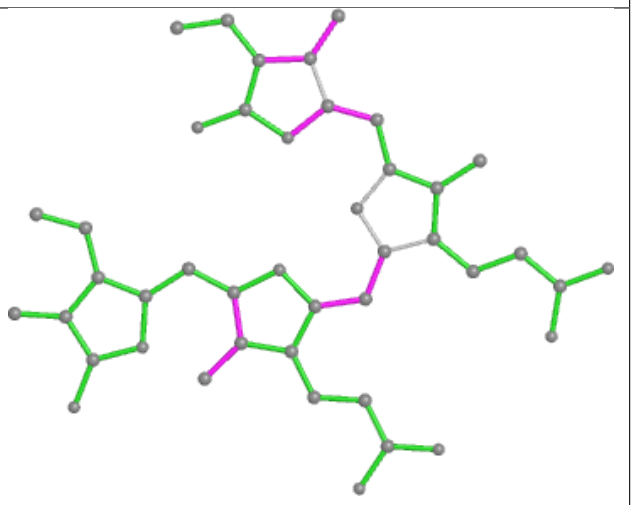

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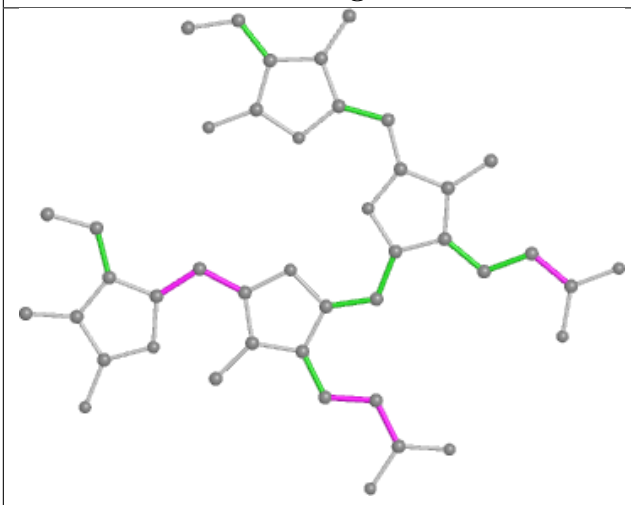

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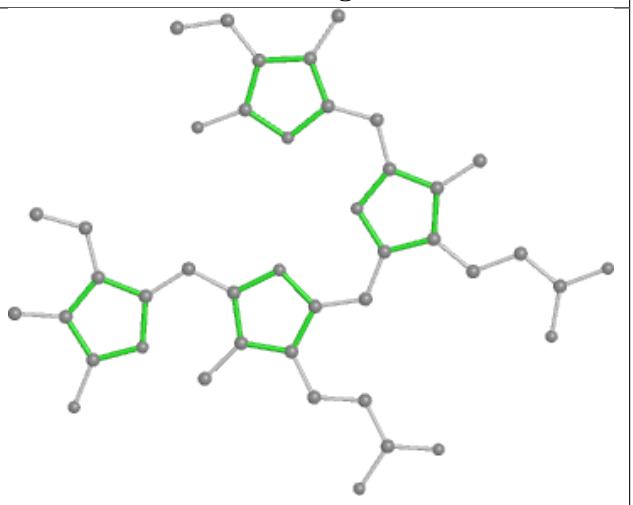
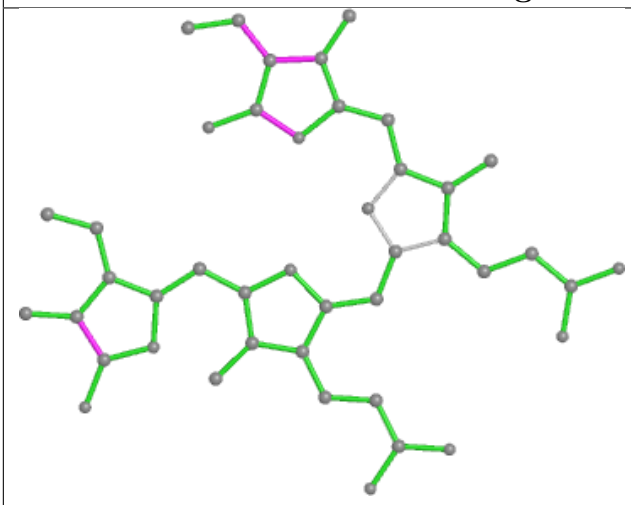


Rings

Ligand PEB K2 201



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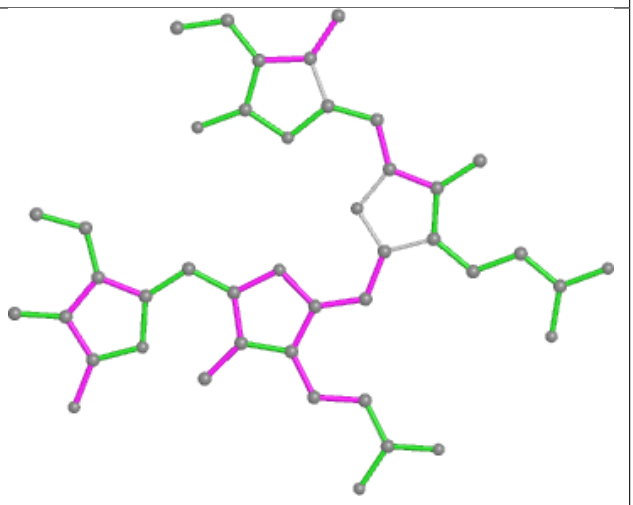

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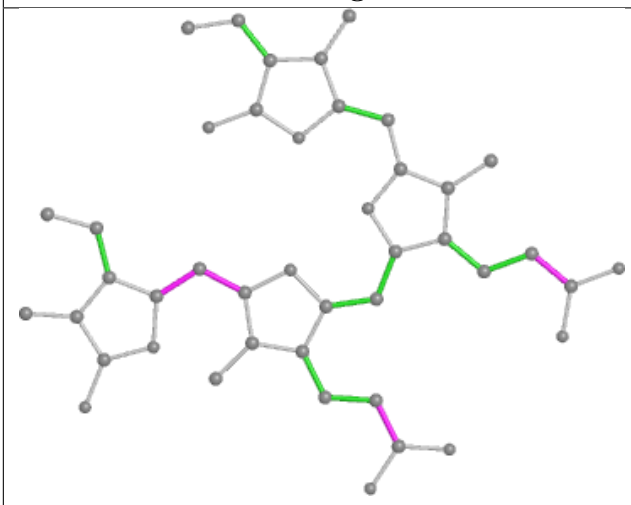

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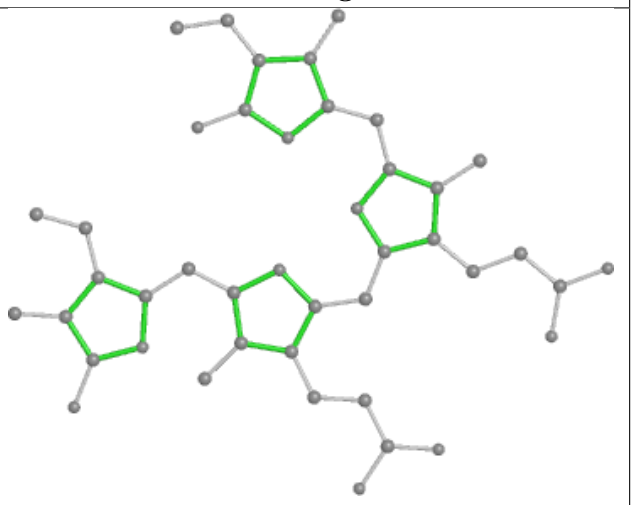
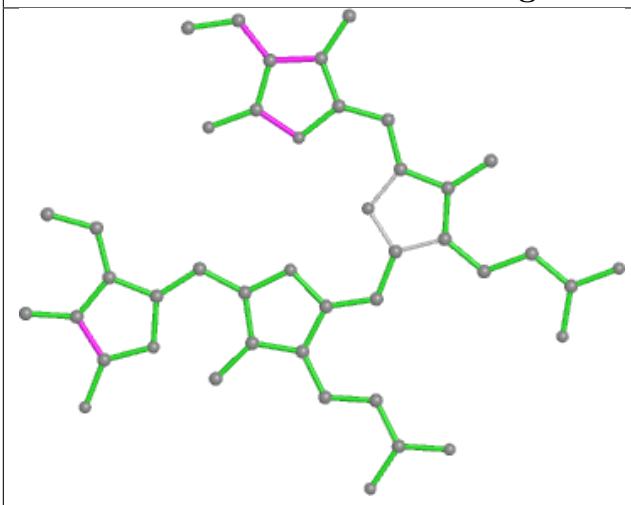


Rings

Ligand PEB u7 201



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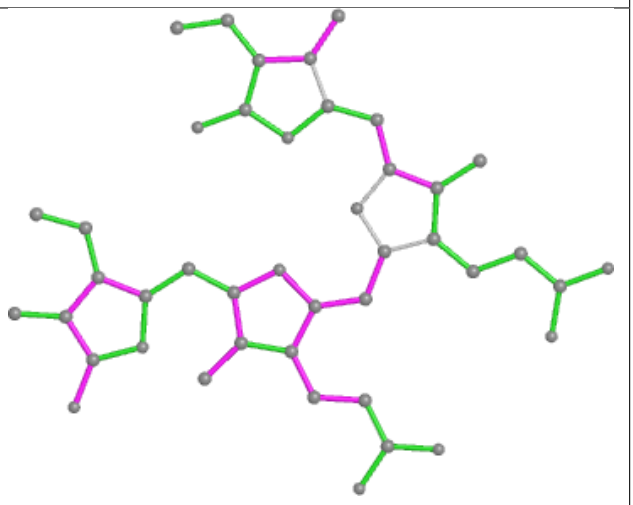

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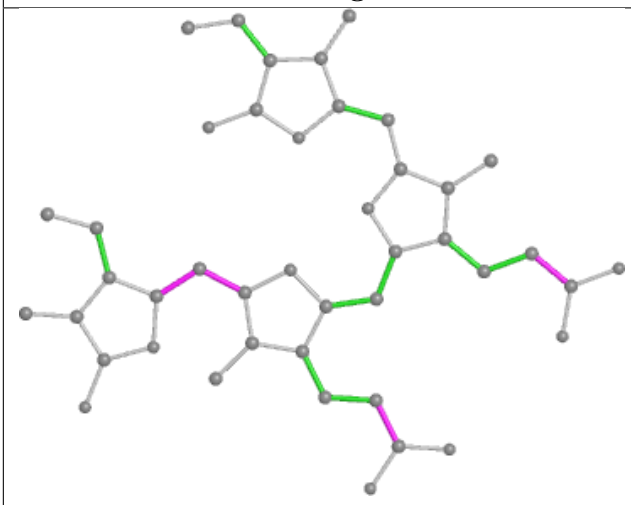

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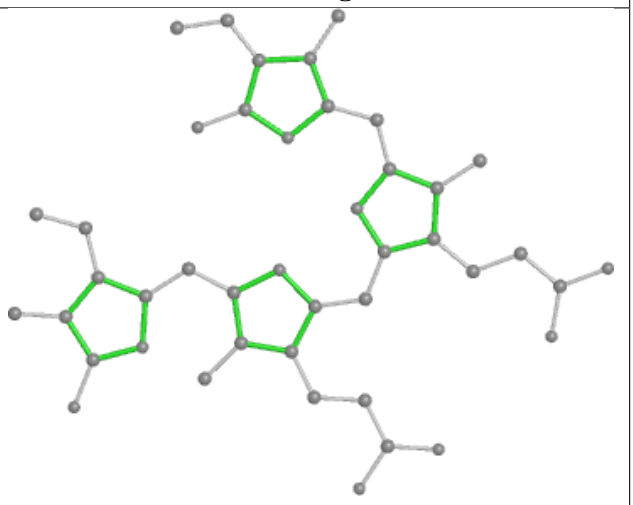
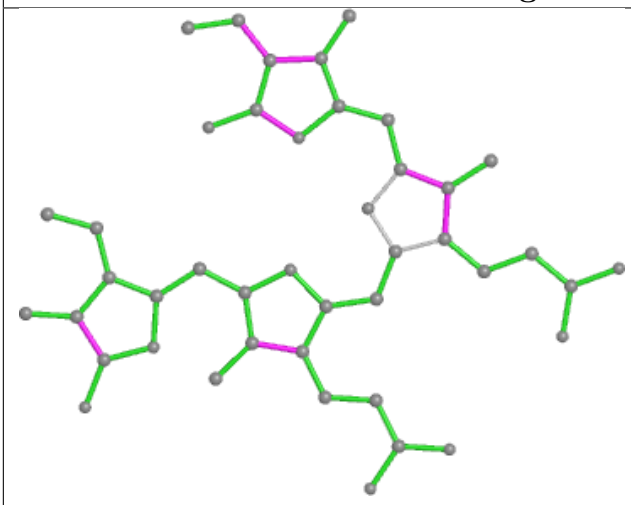


Rings

Ligand PEB v7 202



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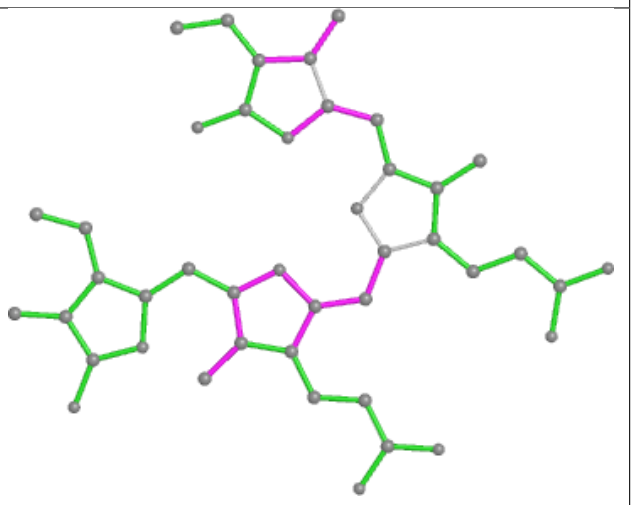

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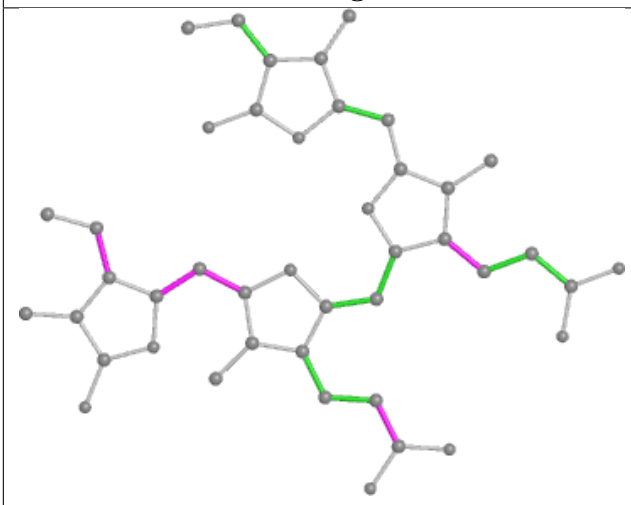
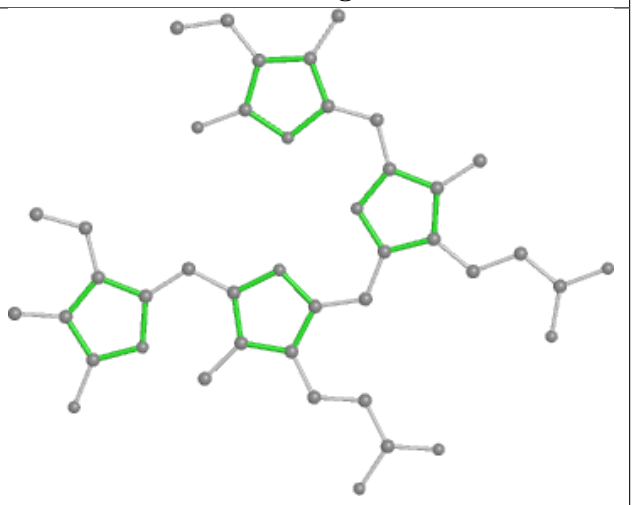
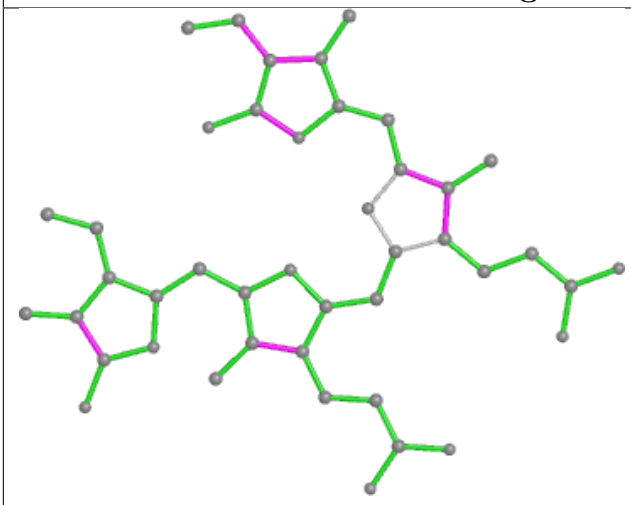


Torsions



Rings

Ligand PEB ga 202



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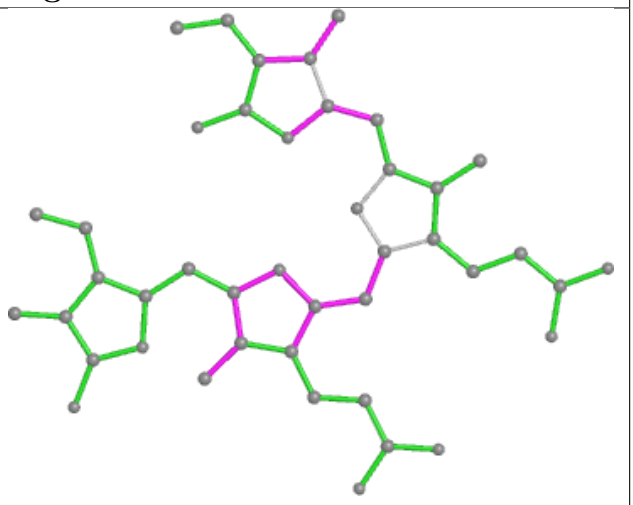

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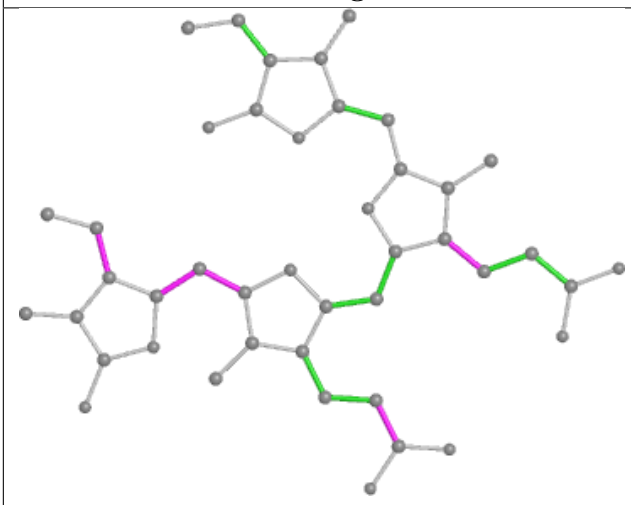

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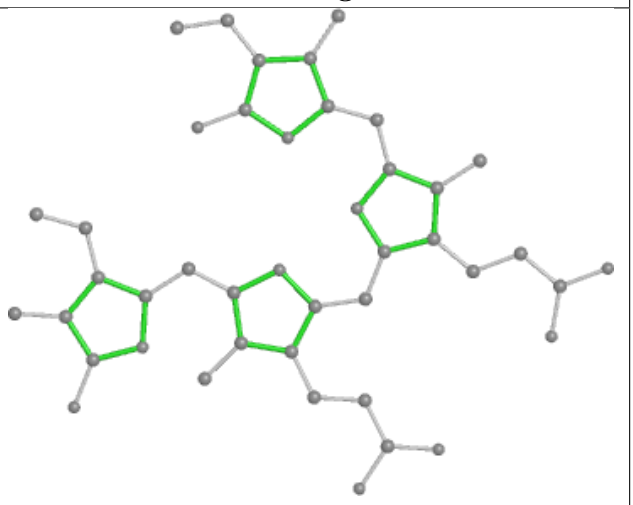
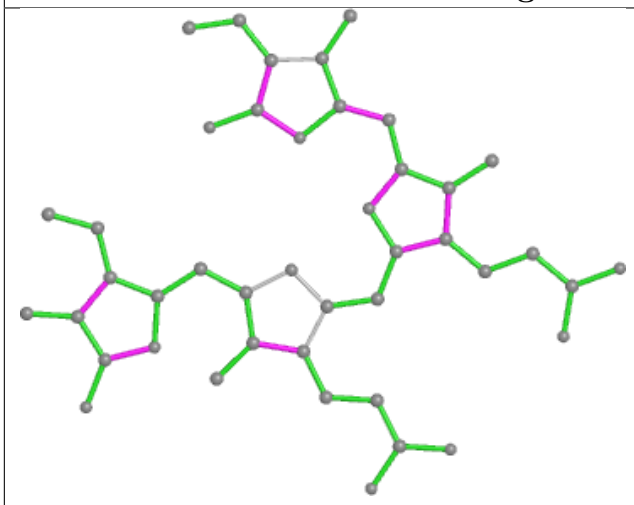


Rings

Ligand PUB bJ 203



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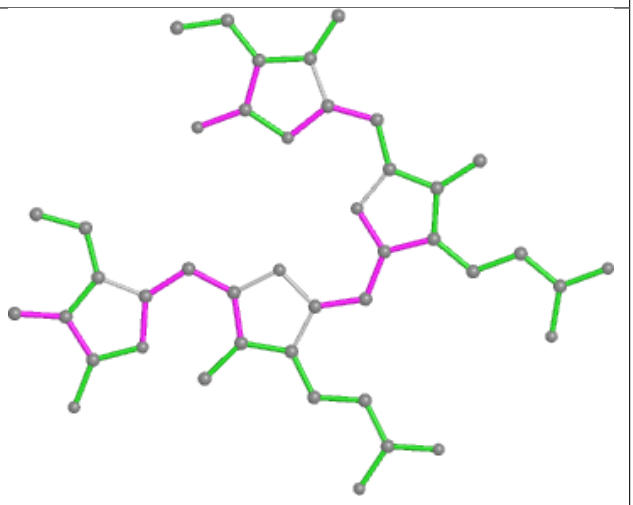

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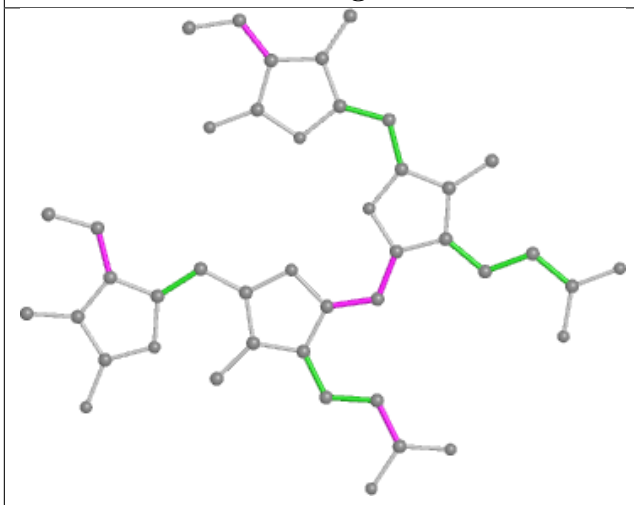

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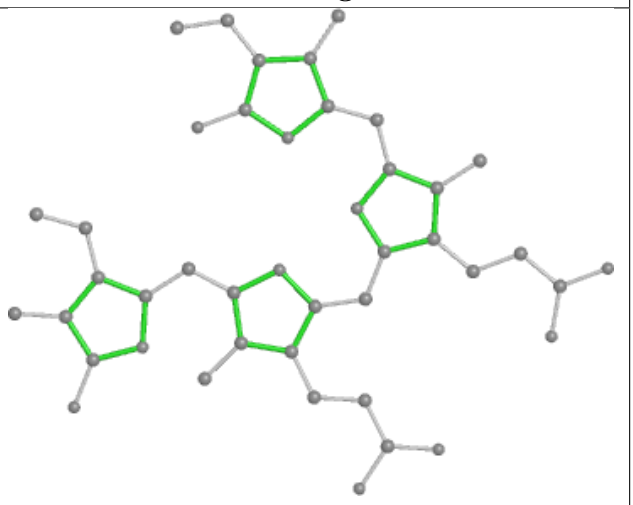

Rings

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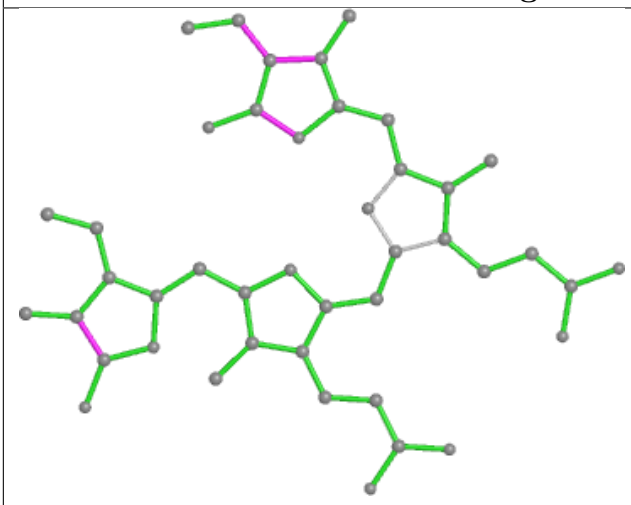

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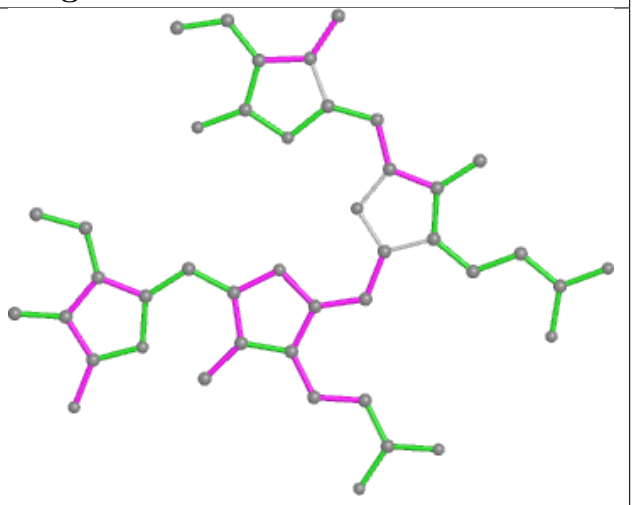

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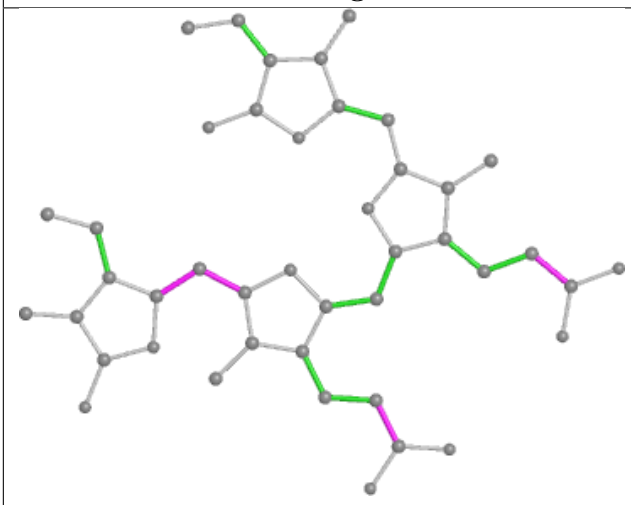

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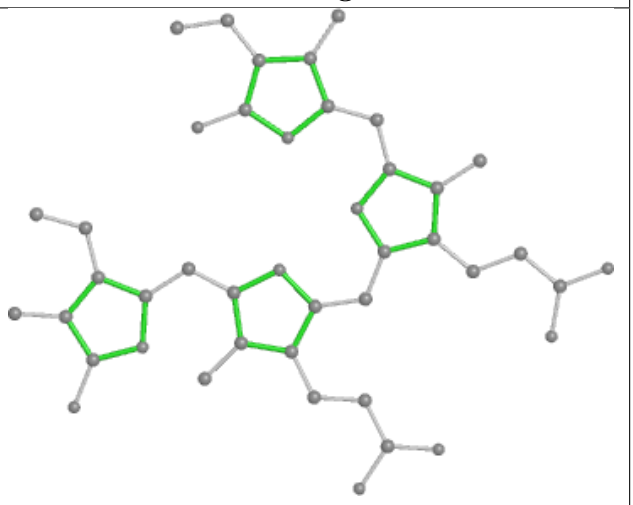

Rings

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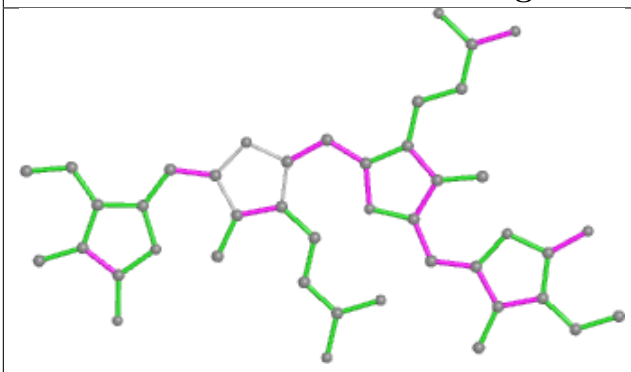

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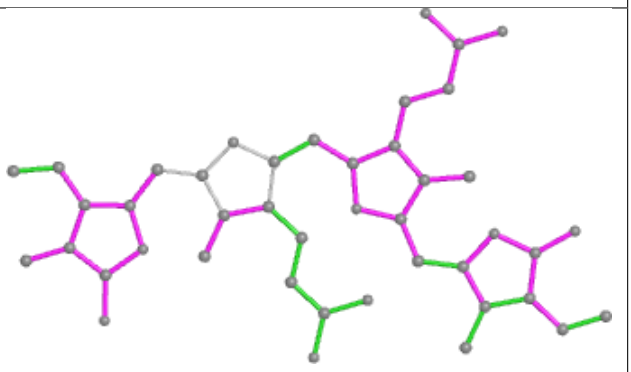

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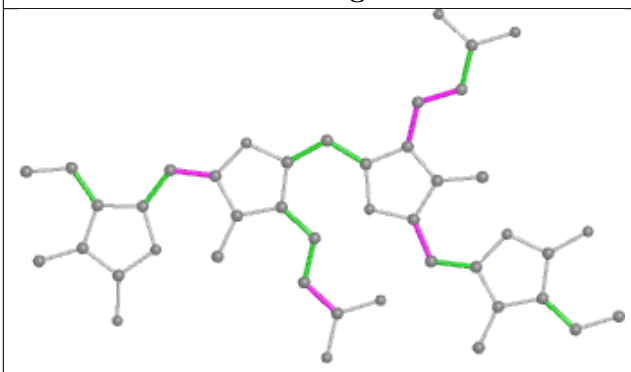

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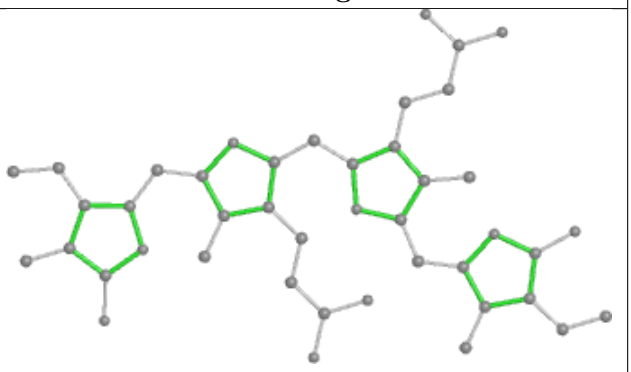
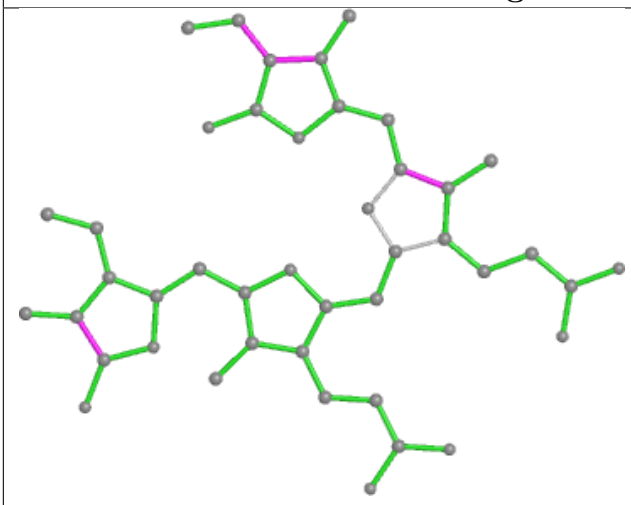


Rings

Ligand PEB w7 1002



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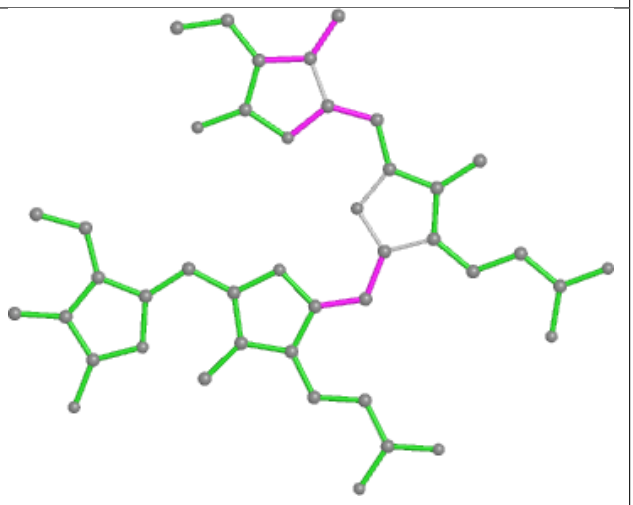

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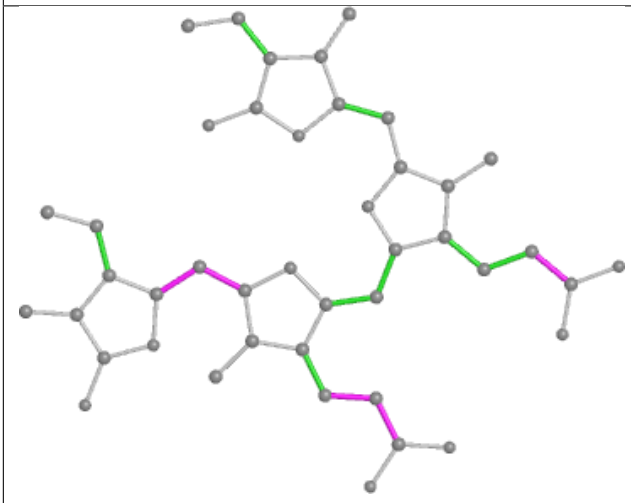

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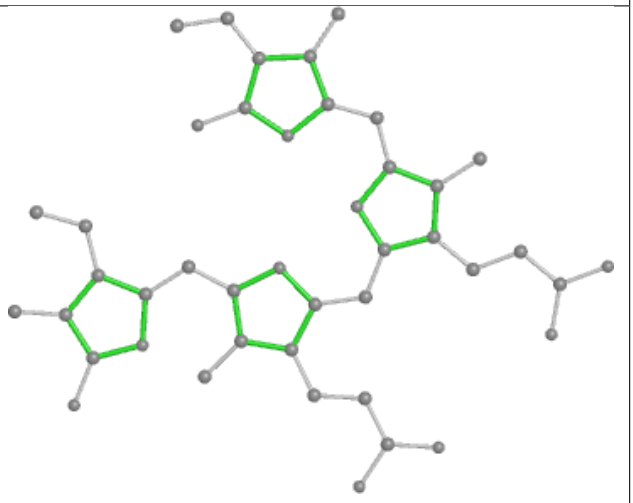

Rings

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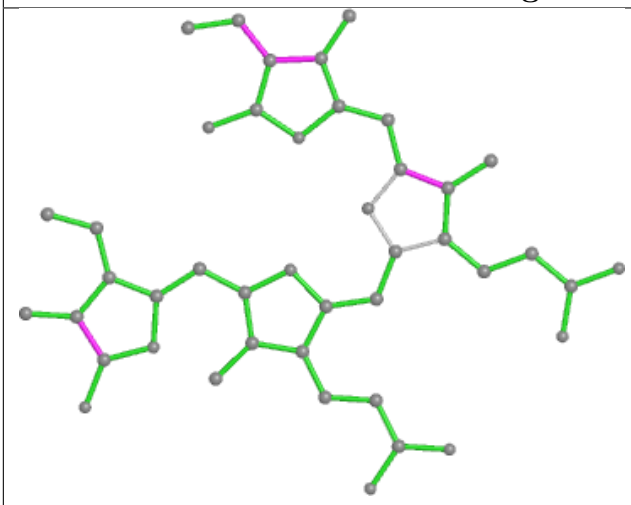

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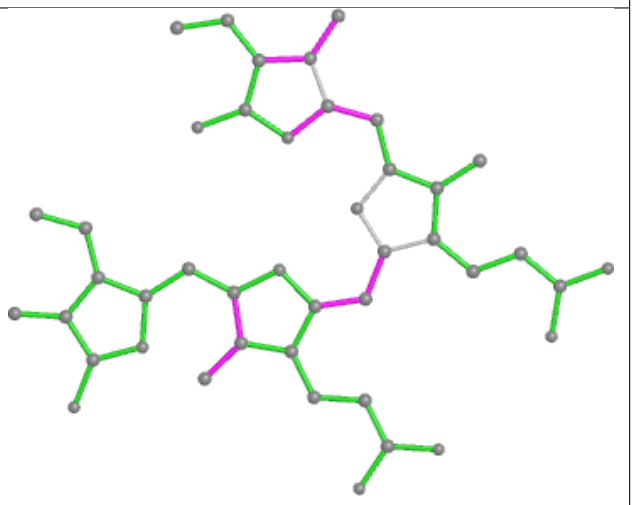

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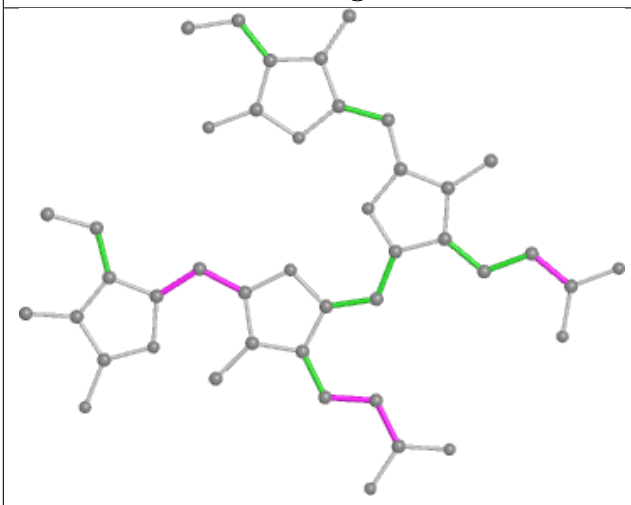

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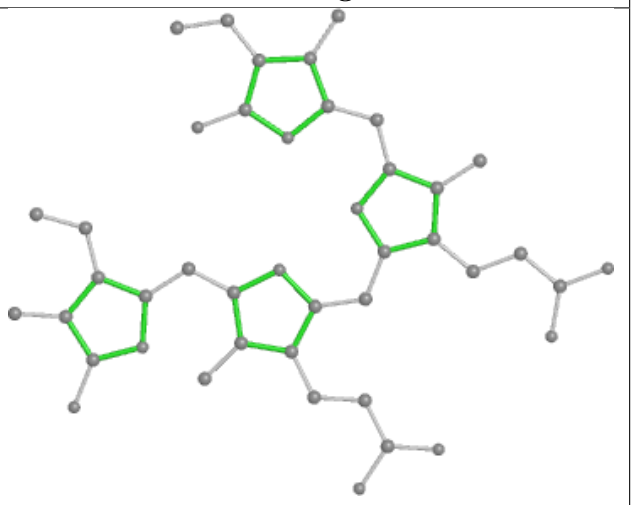
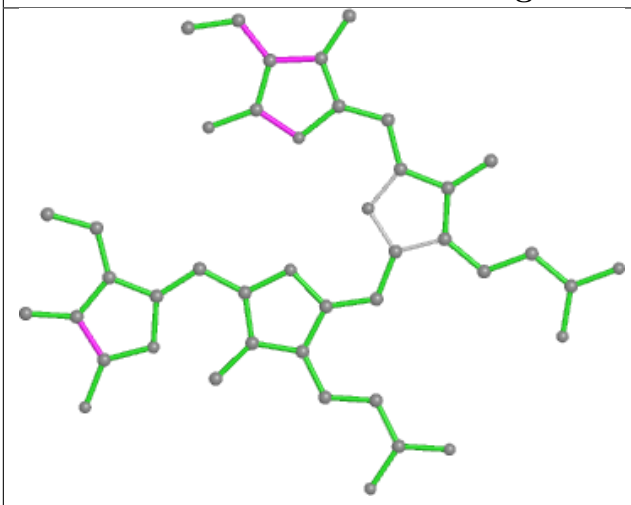


Rings

Ligand PEB X5 401



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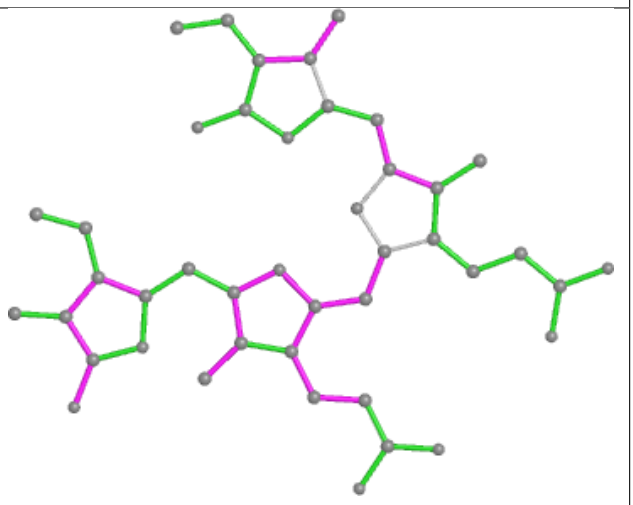

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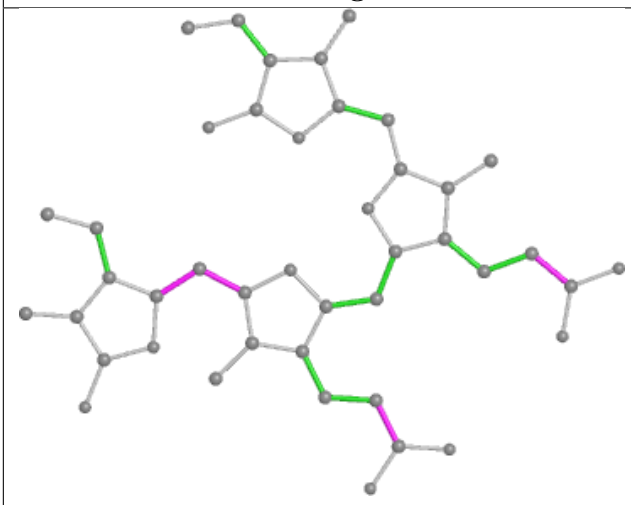

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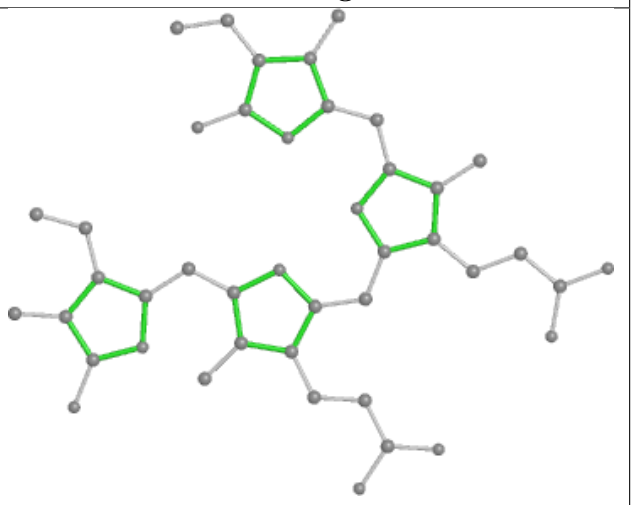

Rings

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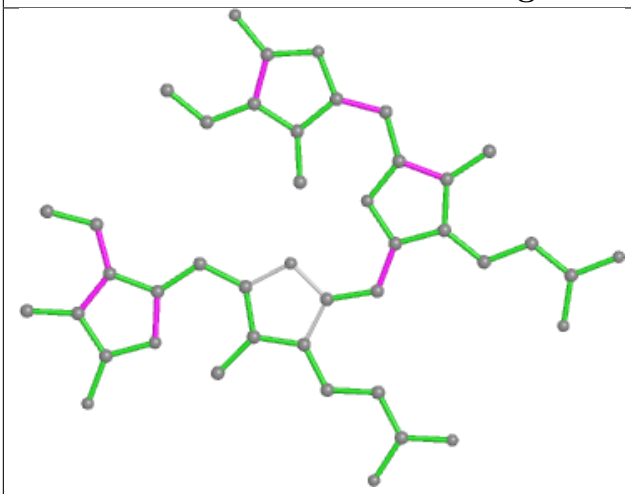

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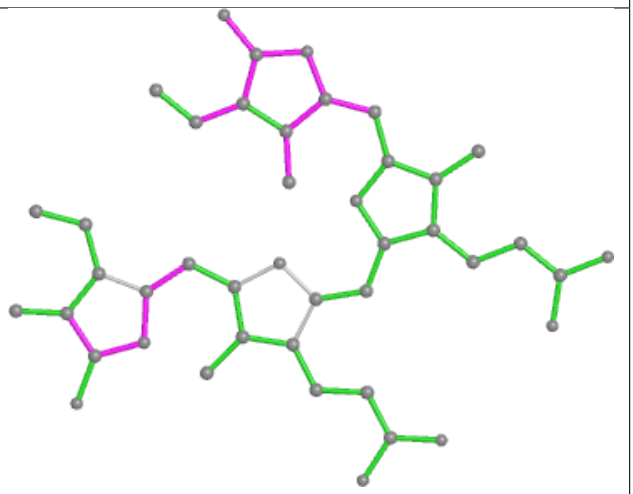

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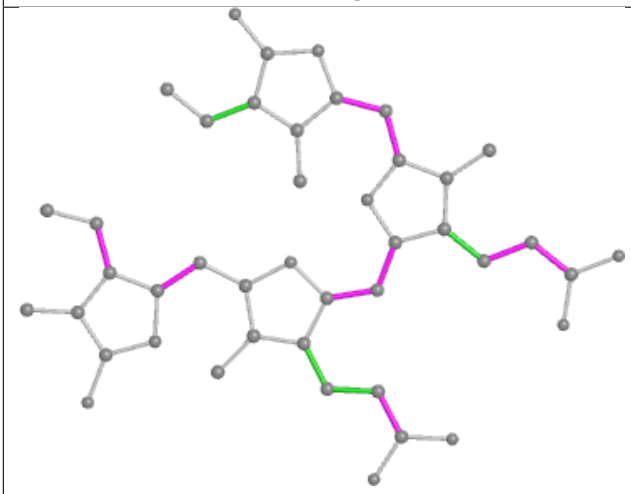

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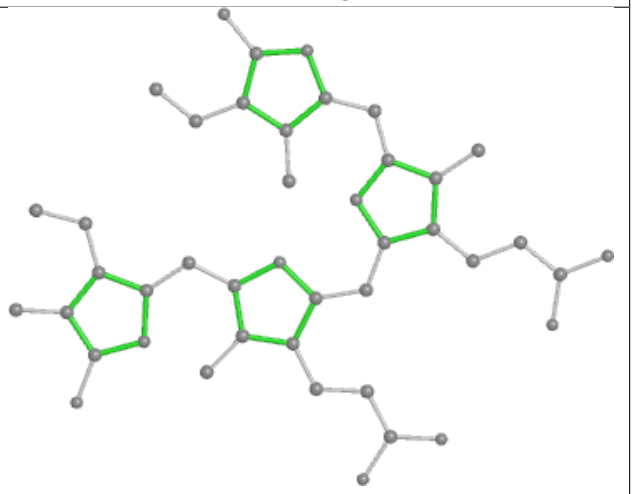
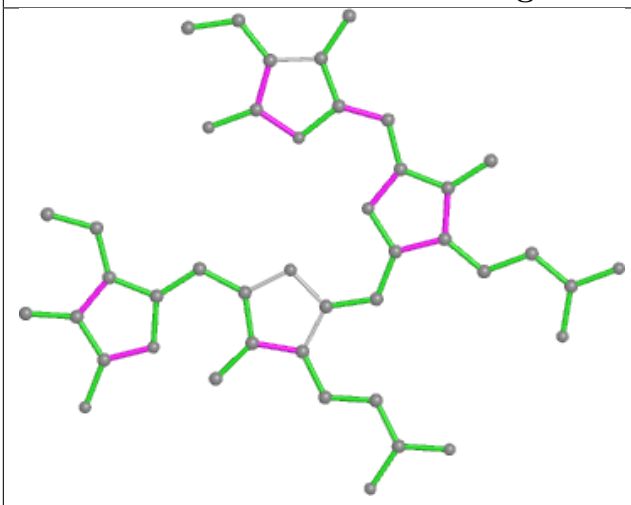


Rings

Ligand PUB h8 203



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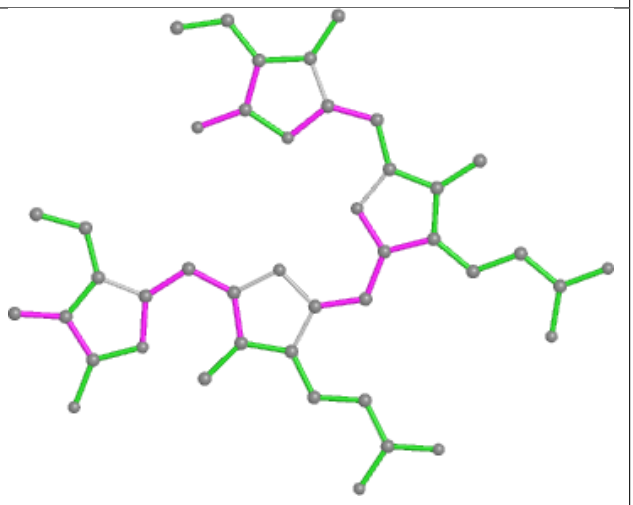

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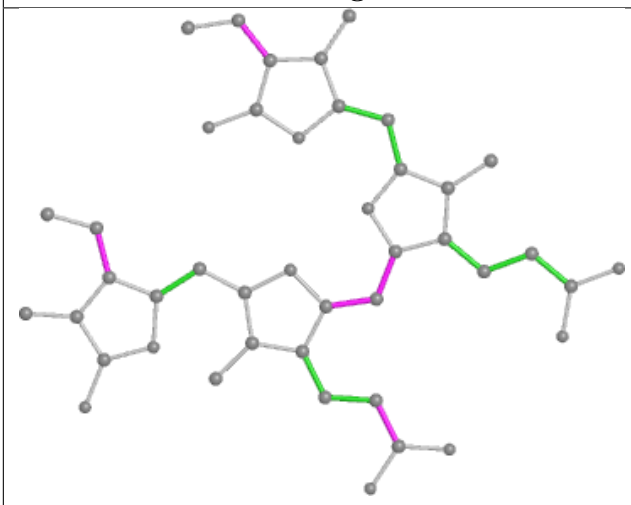

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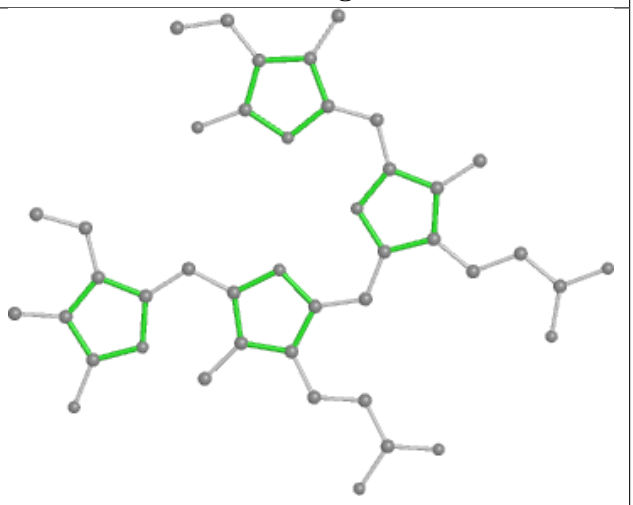
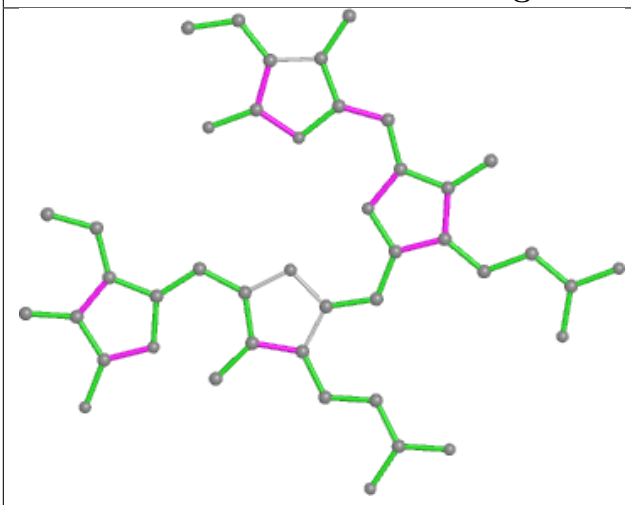


Rings

Ligand PUB X7 203



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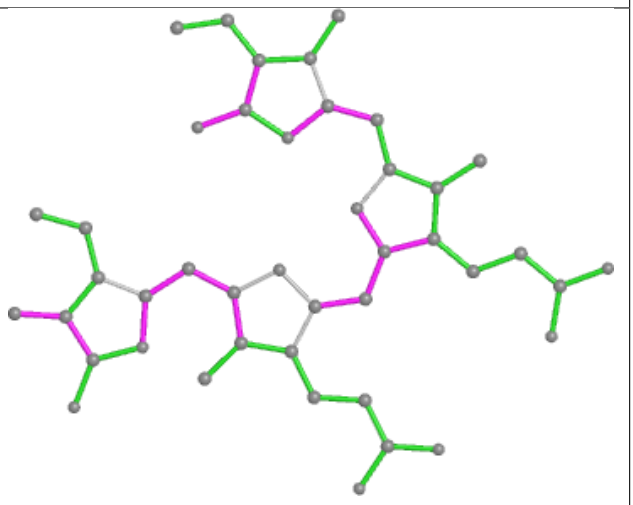

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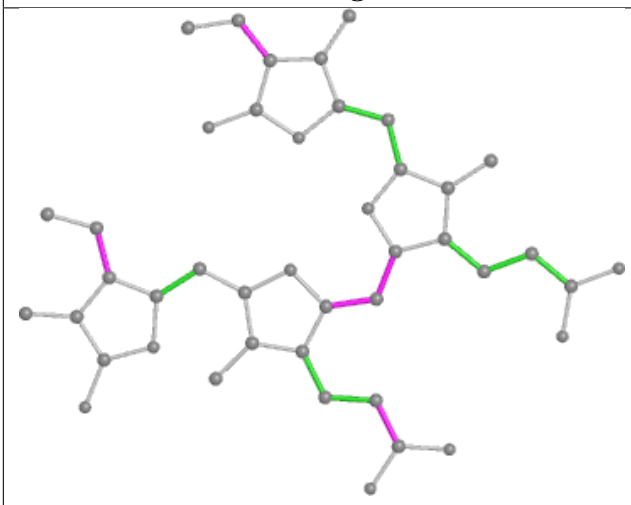

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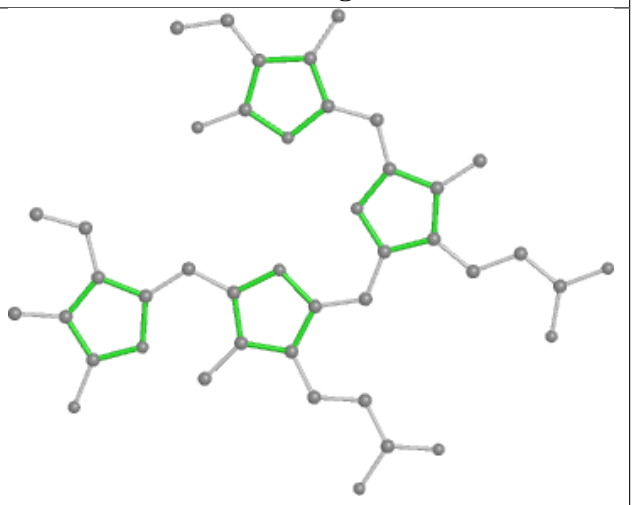
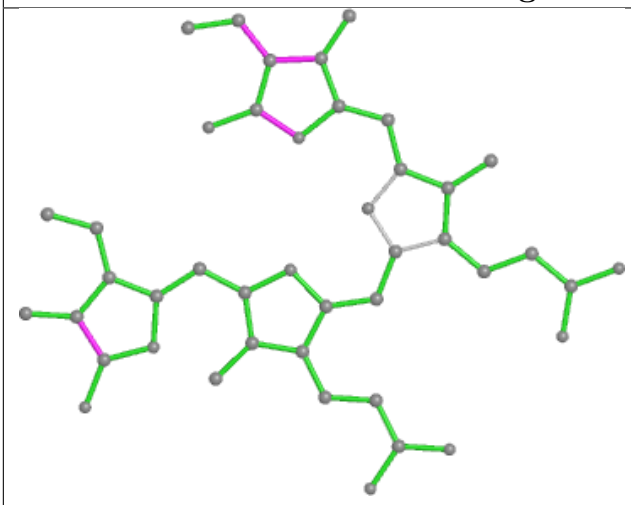


Rings

Ligand PEB S3 201



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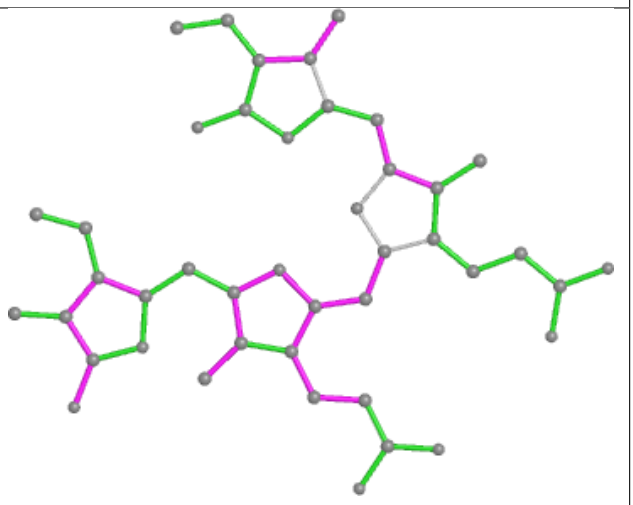

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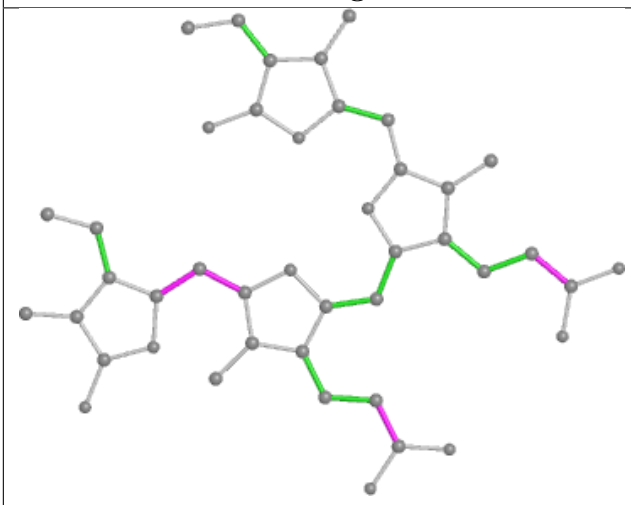

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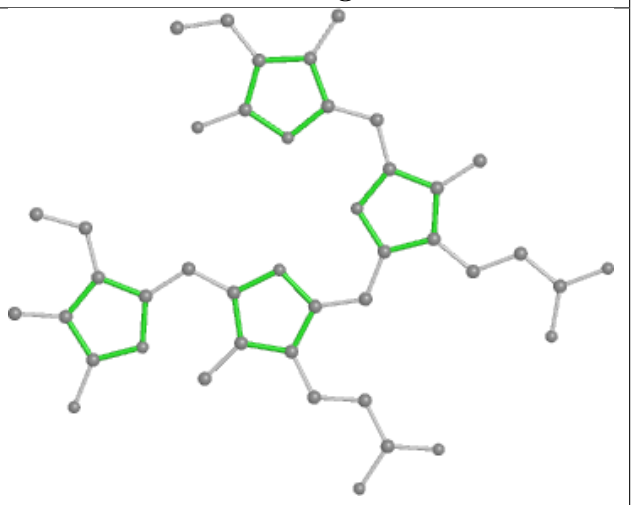
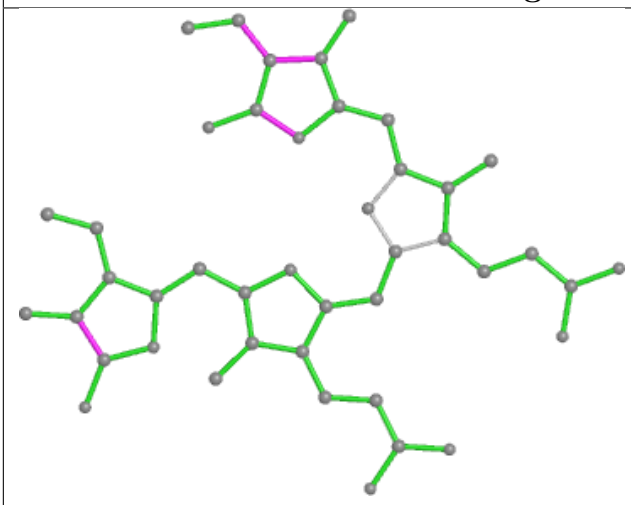


Rings

Ligand PEB ej 202



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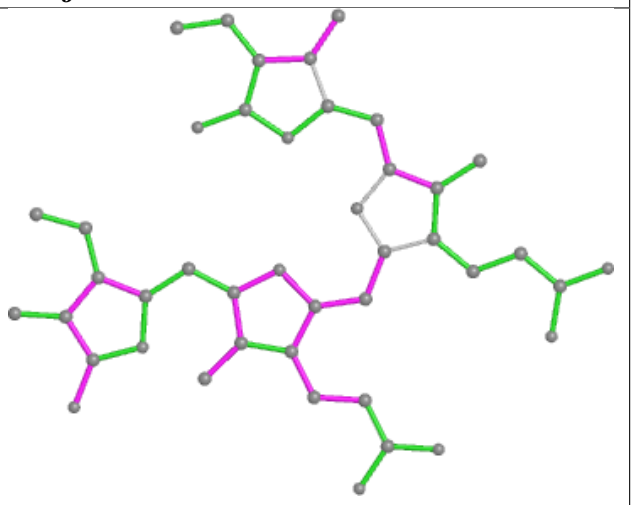
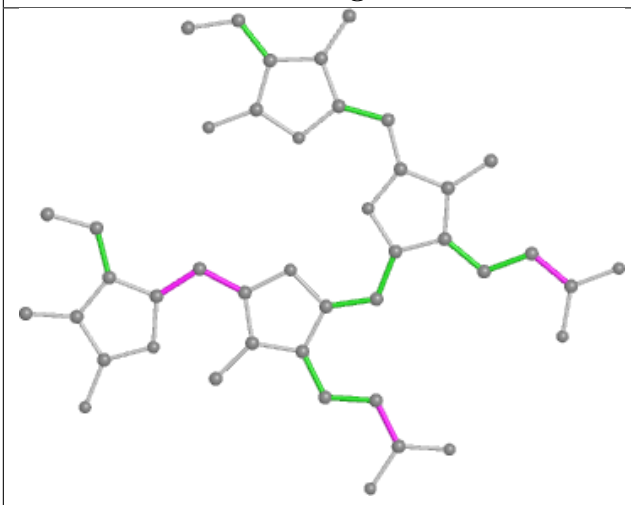


Bond angles



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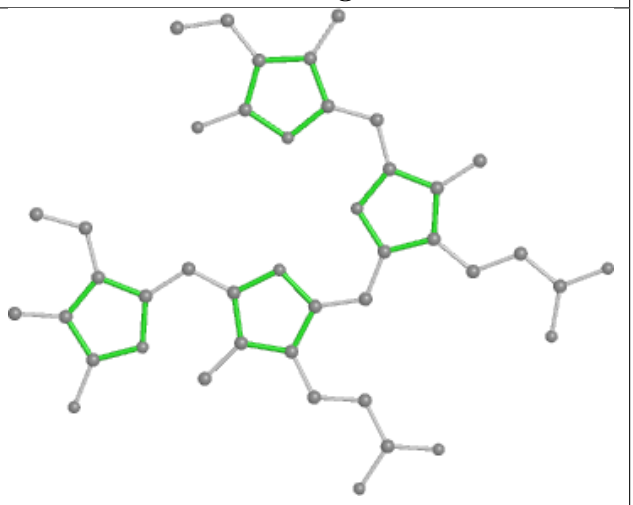
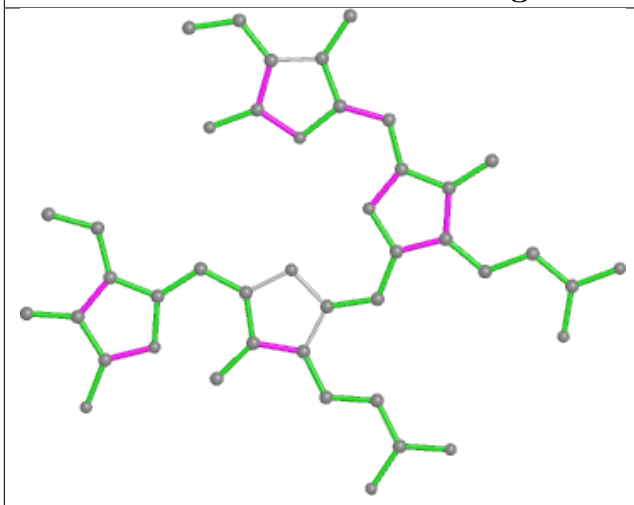


Rings

Ligand PUB c6 1004



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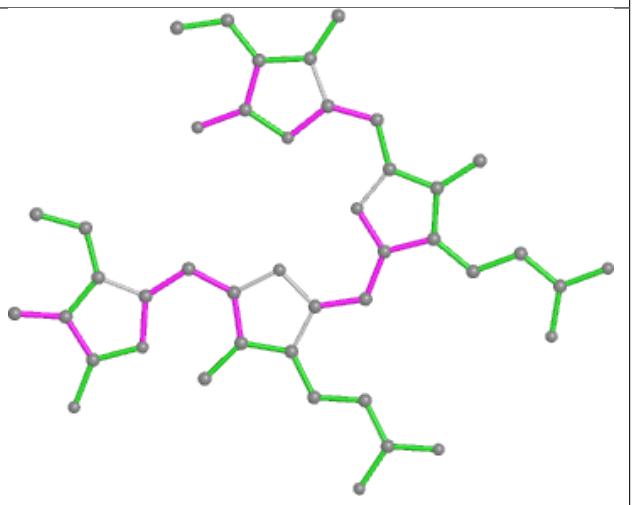
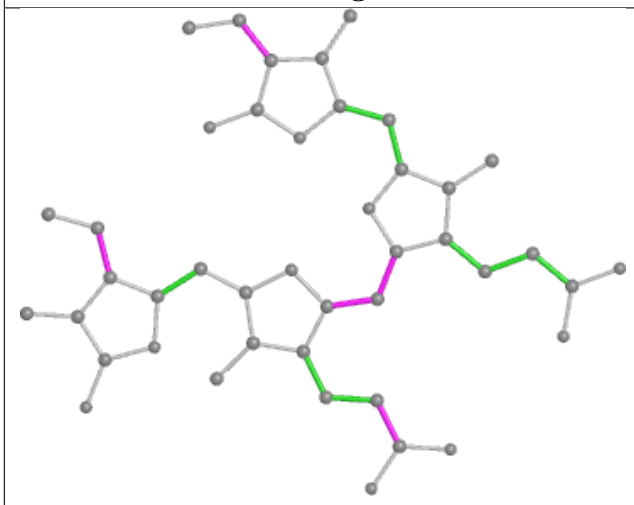
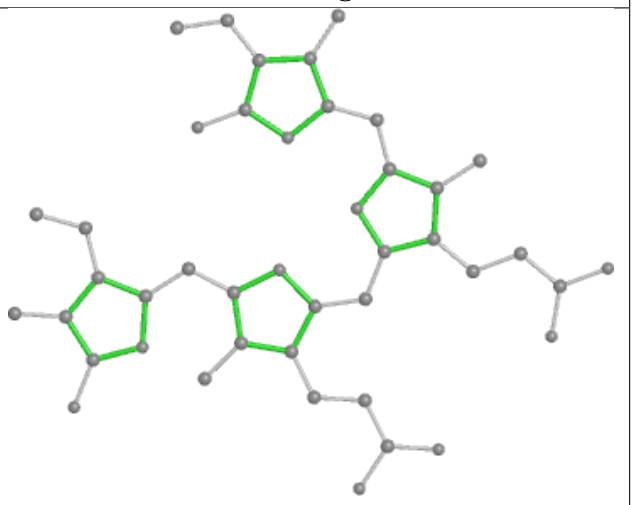


Bond angles

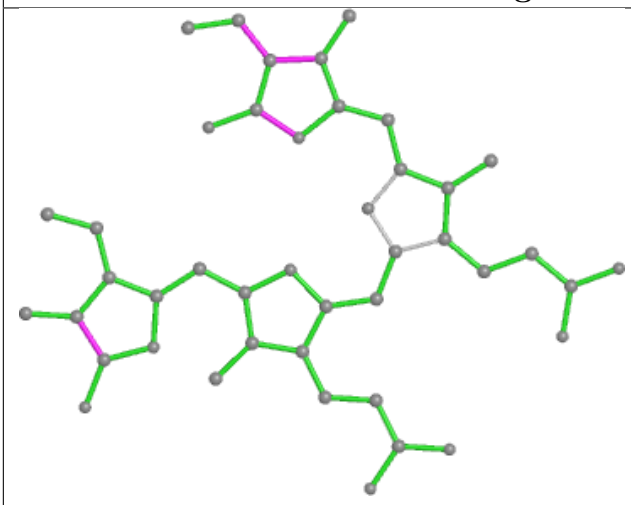


Torsions



Rings

Ligand PEB bX 401



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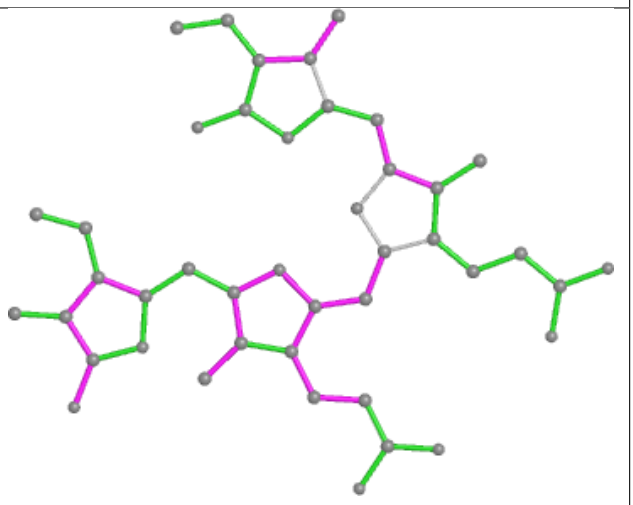

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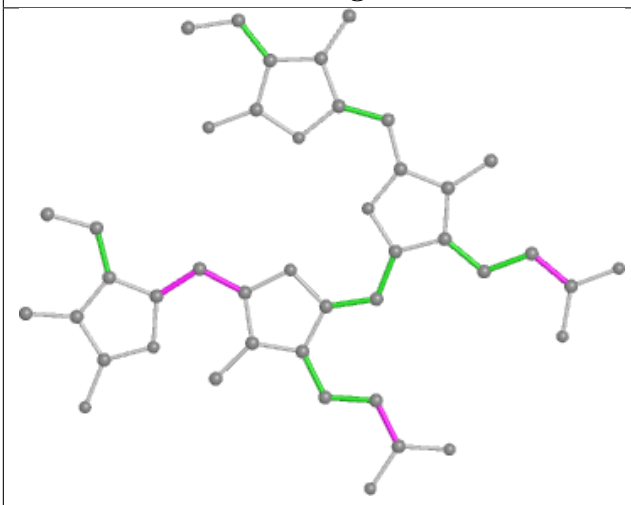

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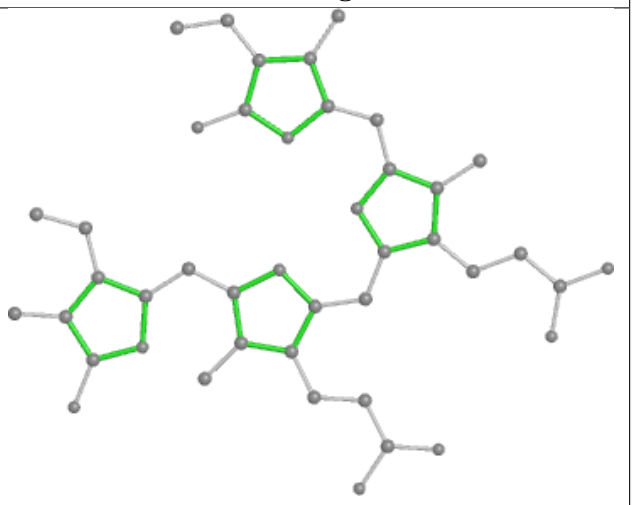
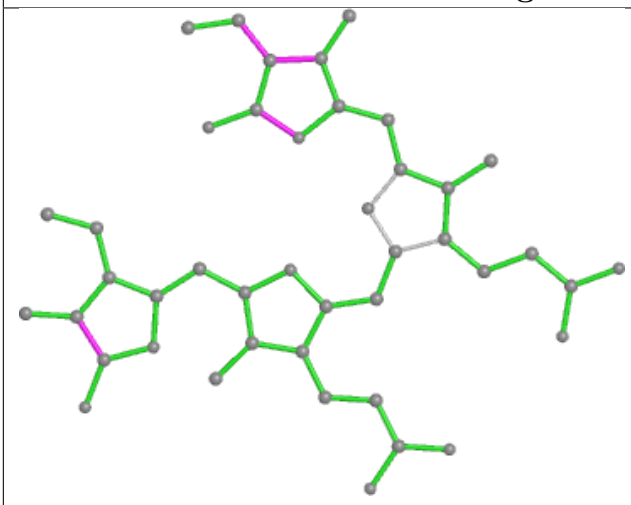


Rings

Ligand PEB aw 201



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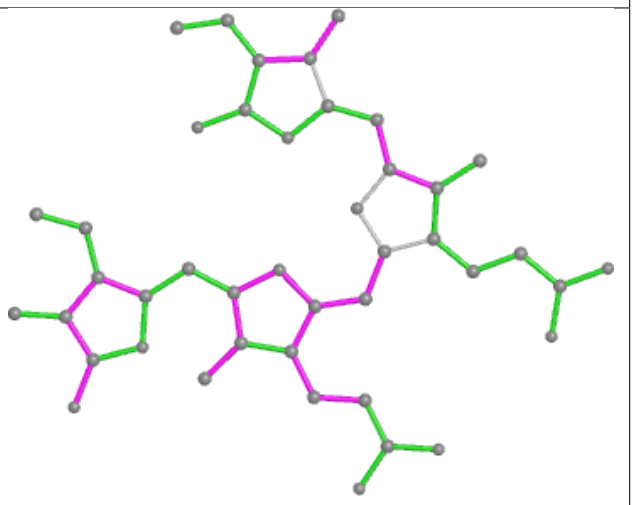

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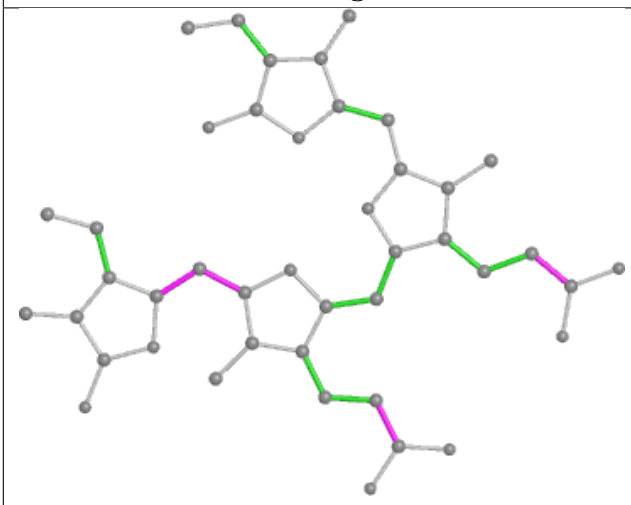

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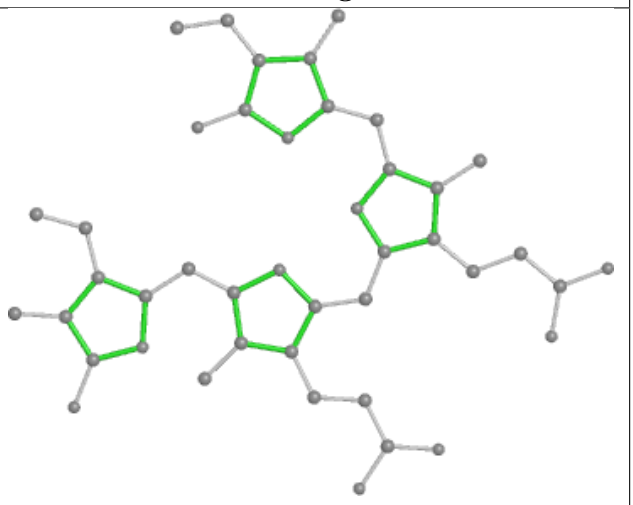
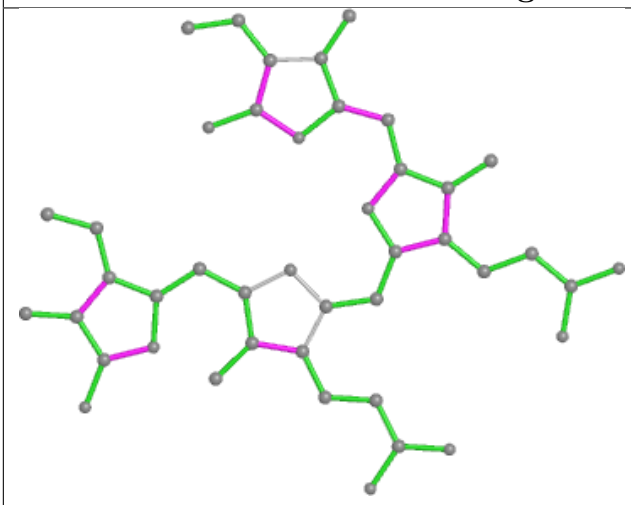


Rings

Ligand PUB J3 203



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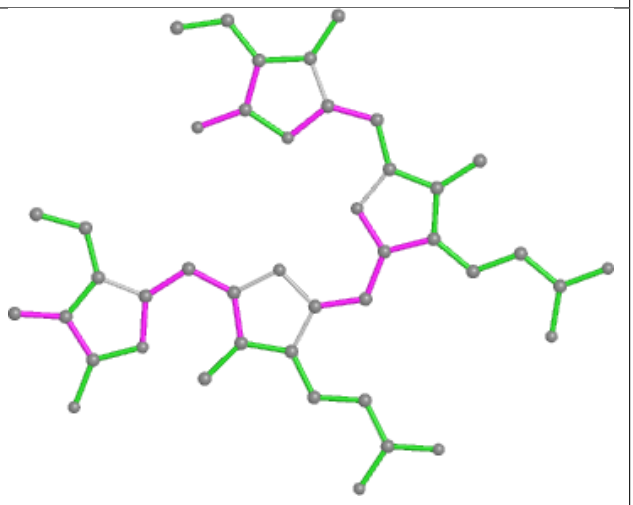
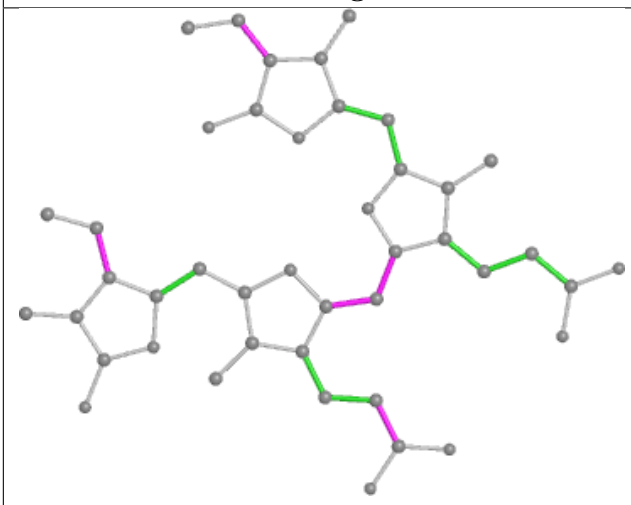


Bond angles



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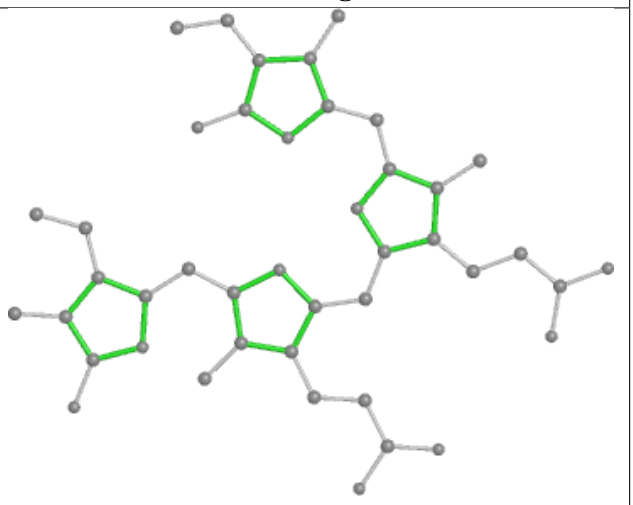
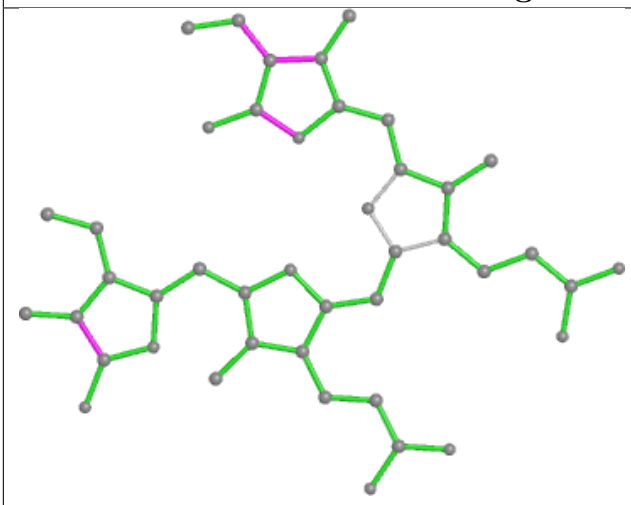


Rings

Ligand PEB D7 201



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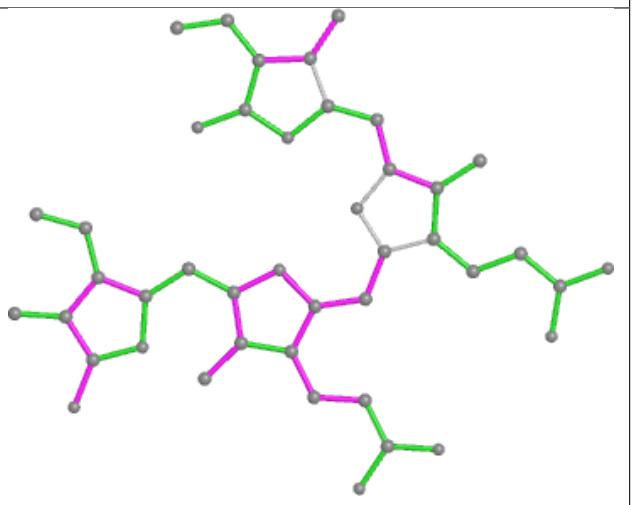

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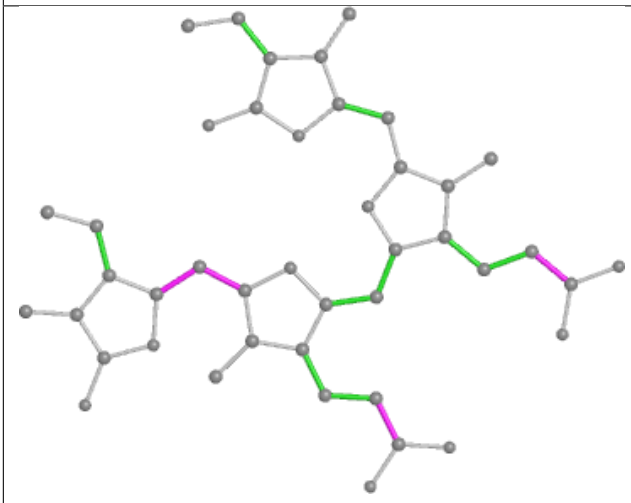

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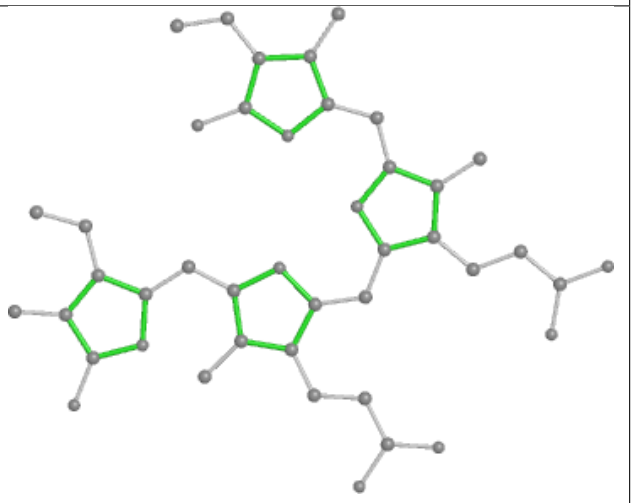
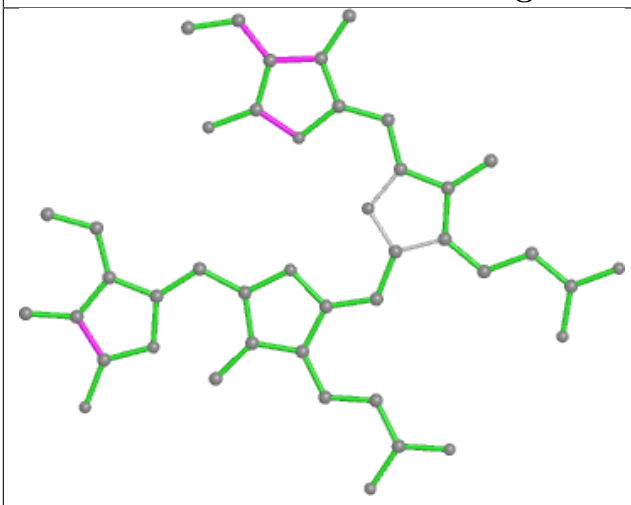


Rings

Ligand PEB cN 201



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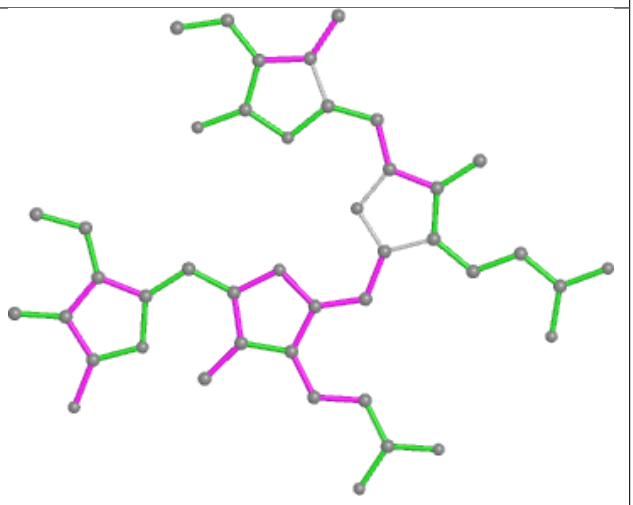

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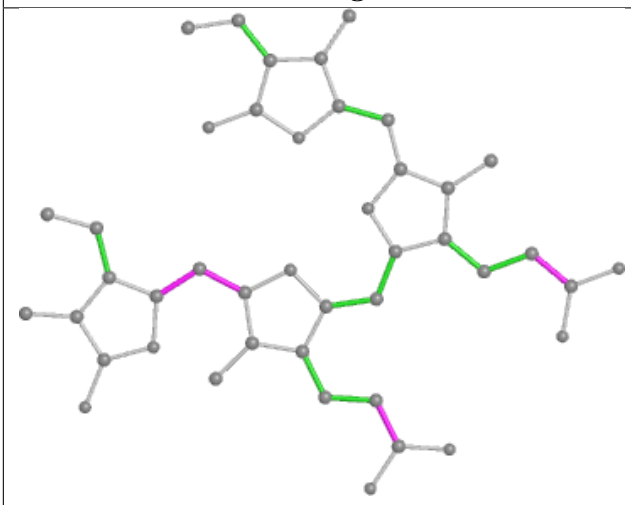

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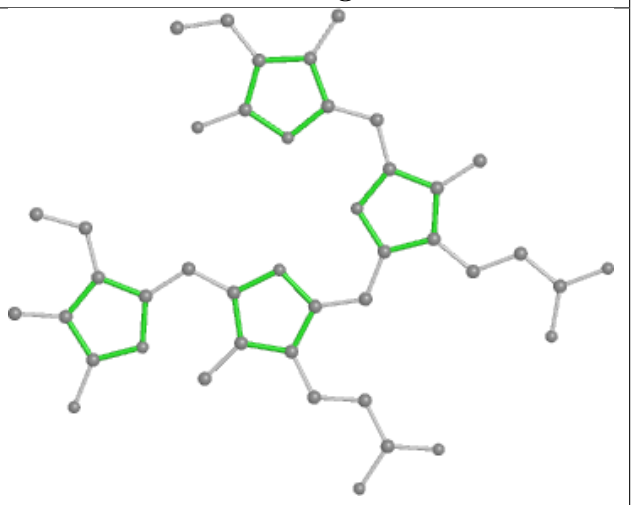

Rings

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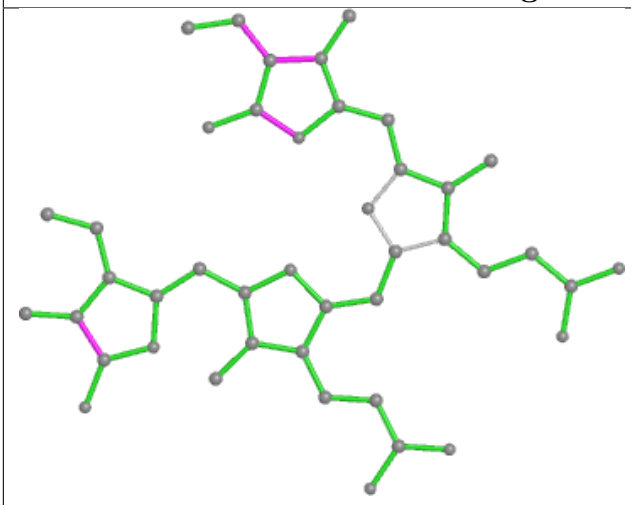

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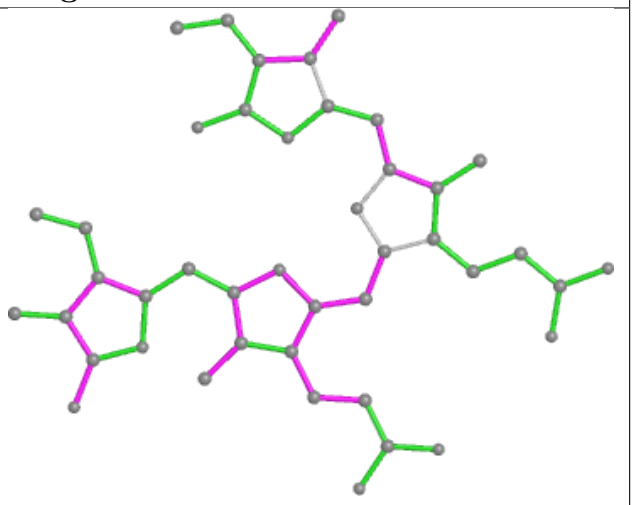

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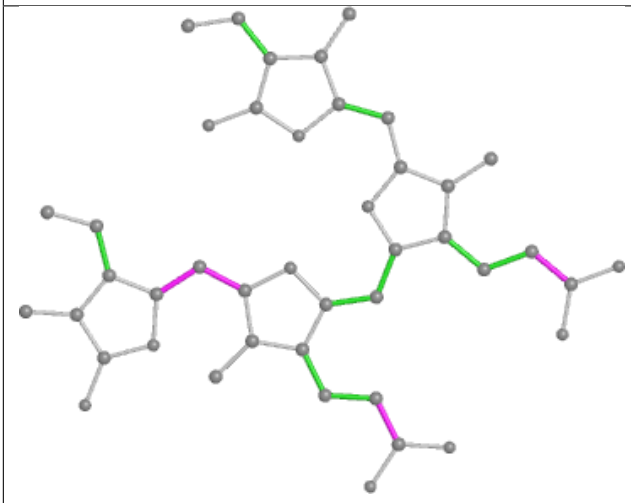

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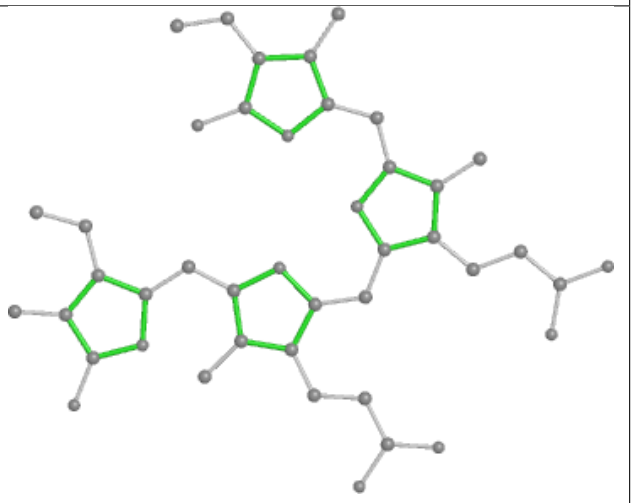
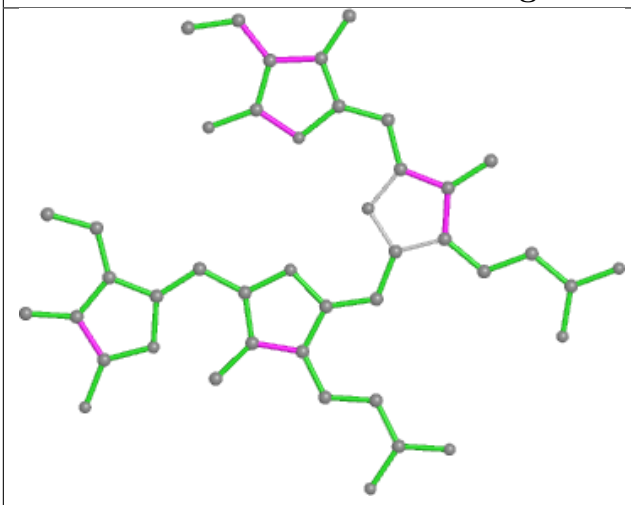


Rings

Ligand PEB x3 202



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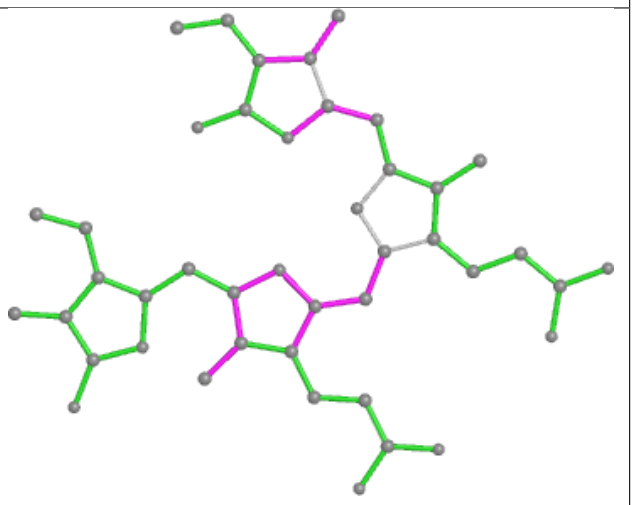

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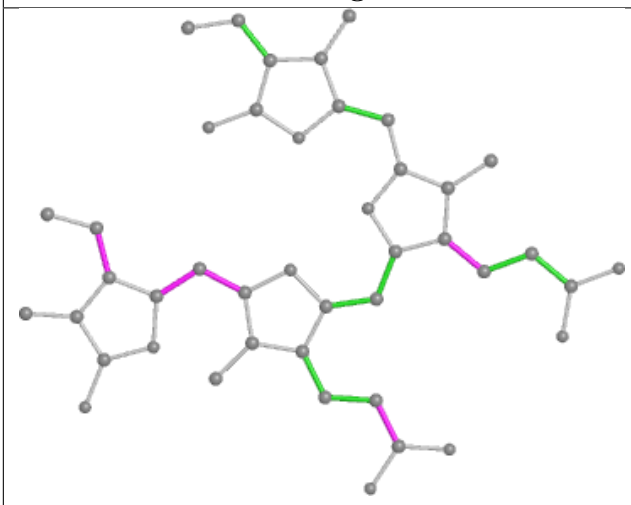

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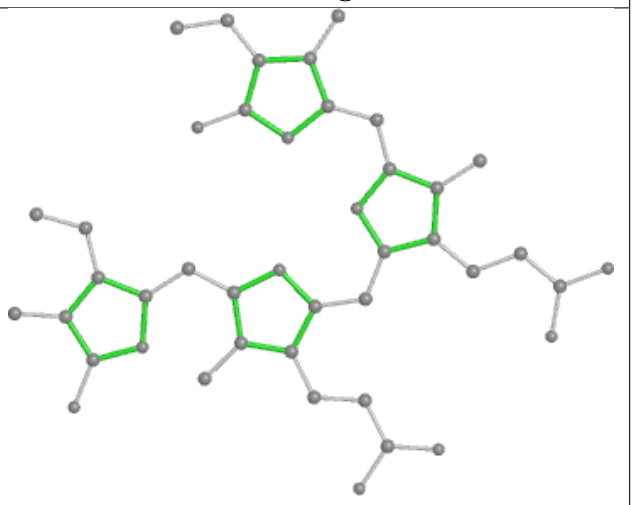
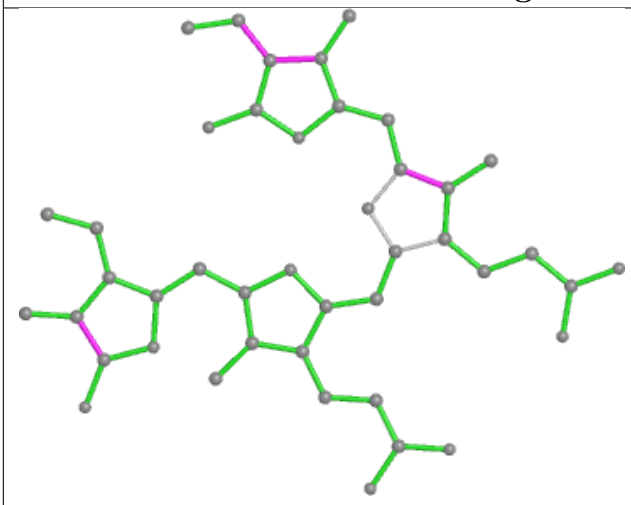


Rings

Ligand PEB N6 202



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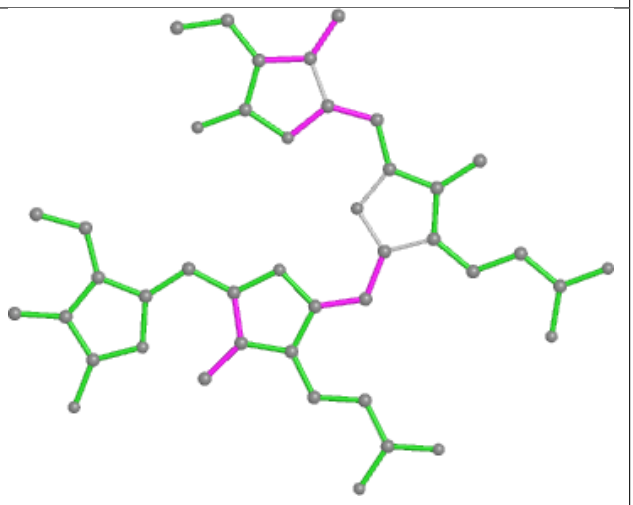

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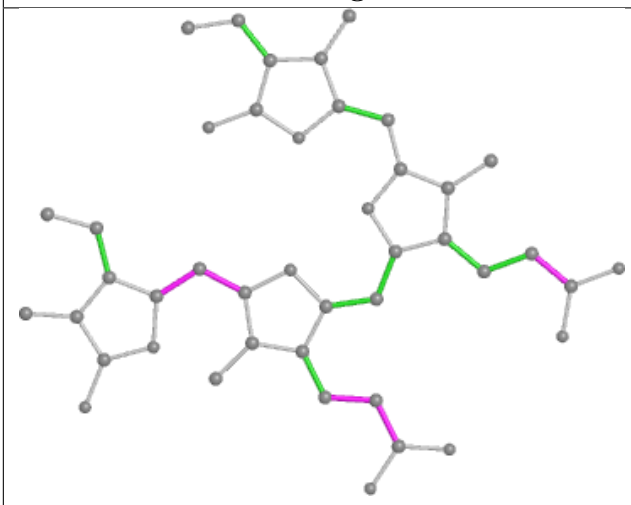

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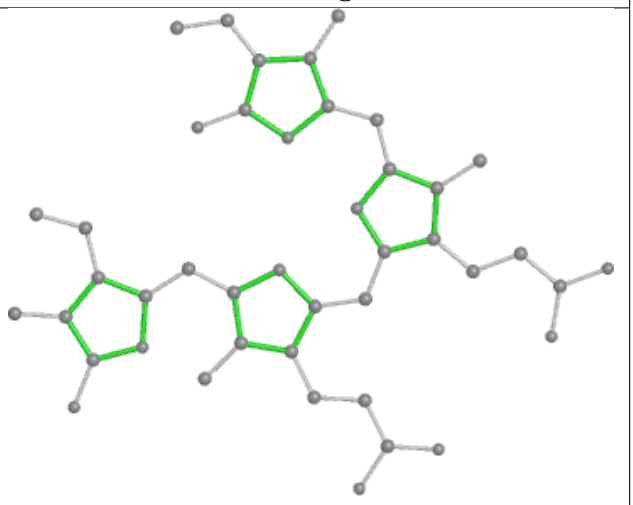
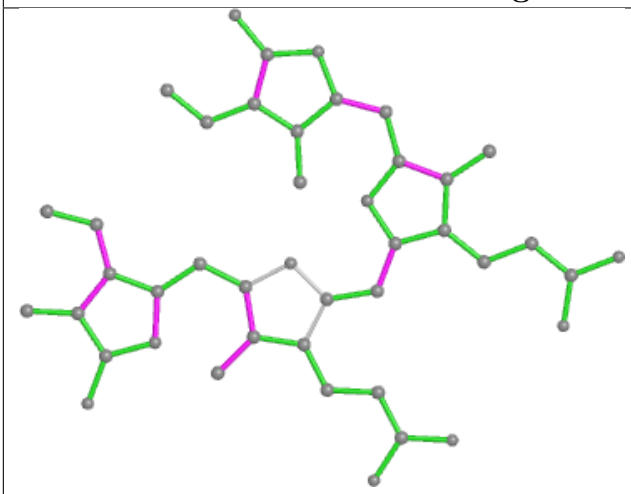


Rings

Ligand PVN aY 403



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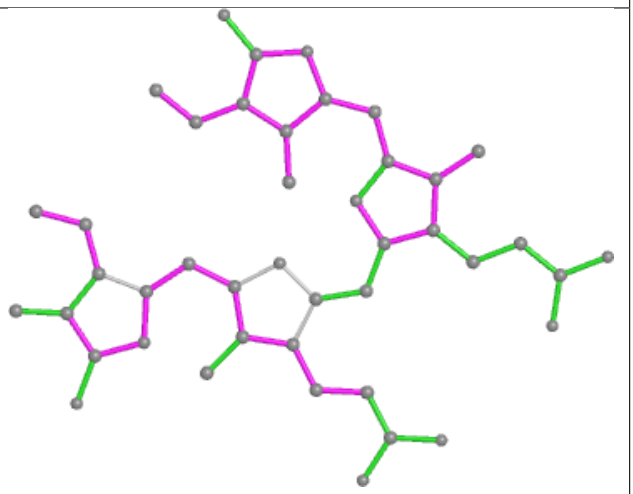

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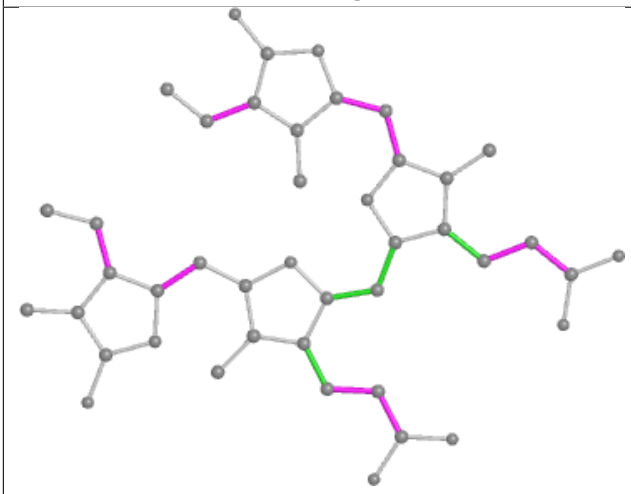

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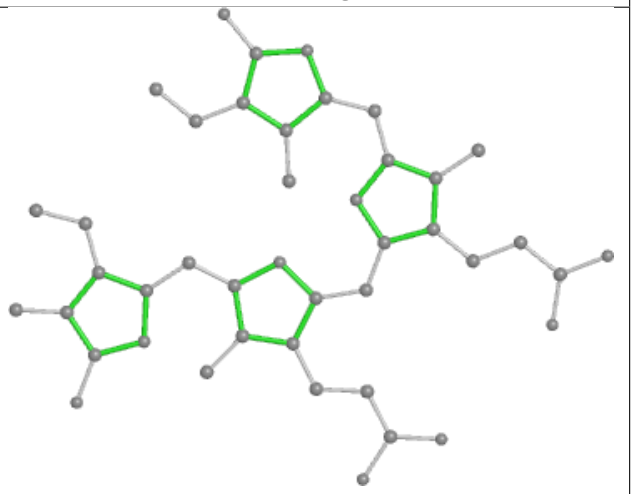
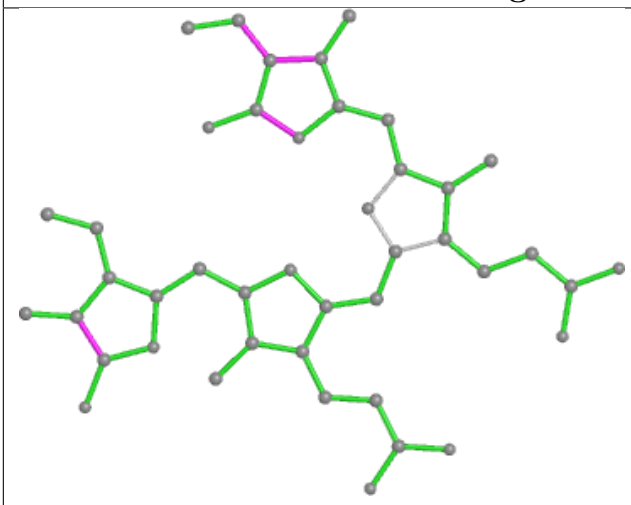


Rings

Ligand PEB dW 201



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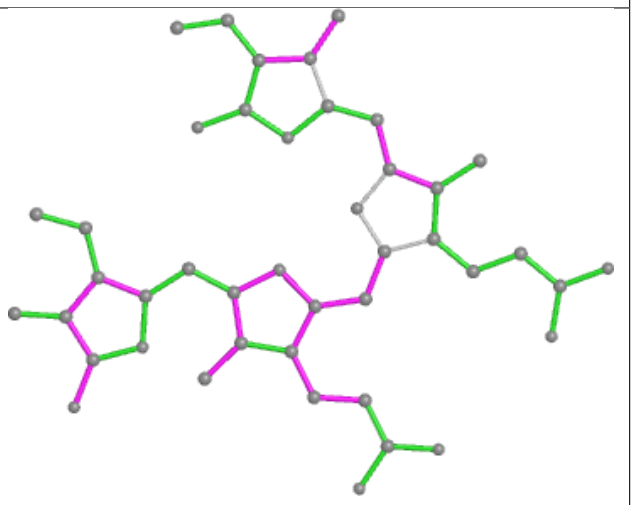

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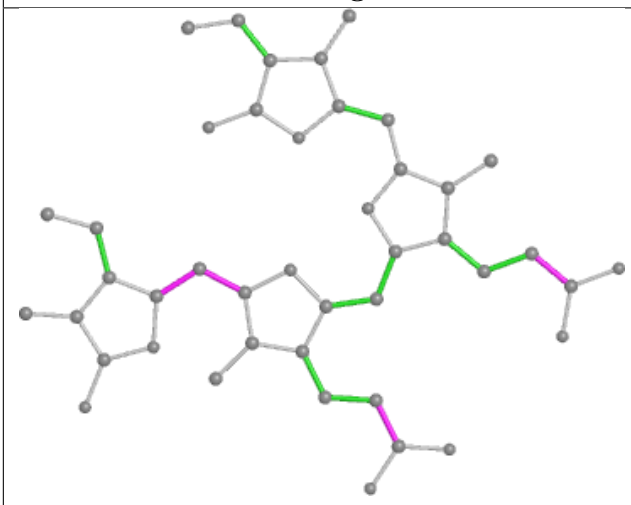

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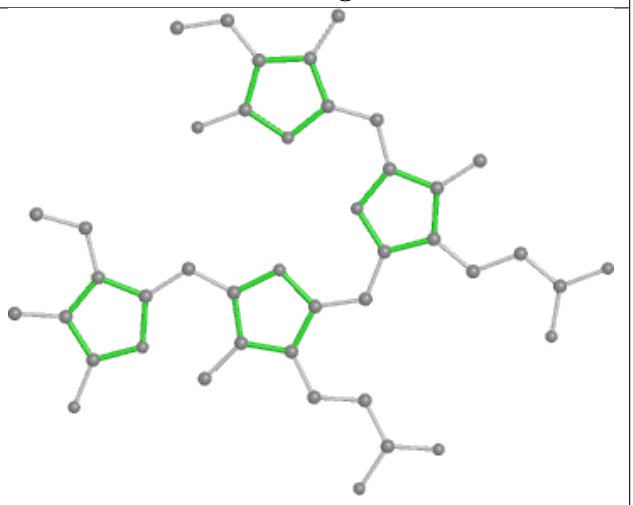
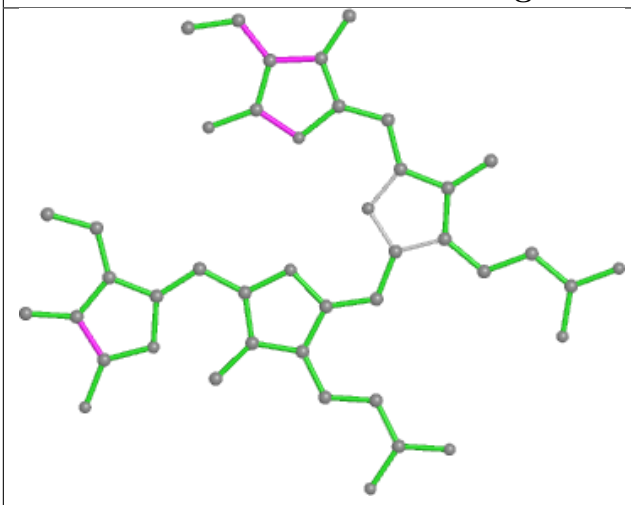


Rings

Ligand PEB N6 201



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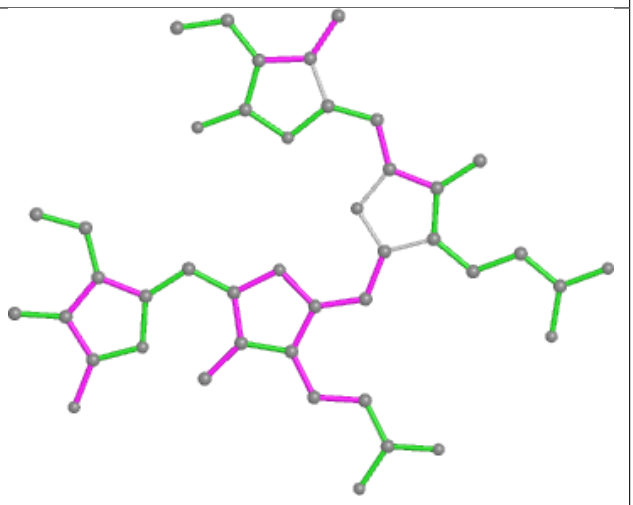
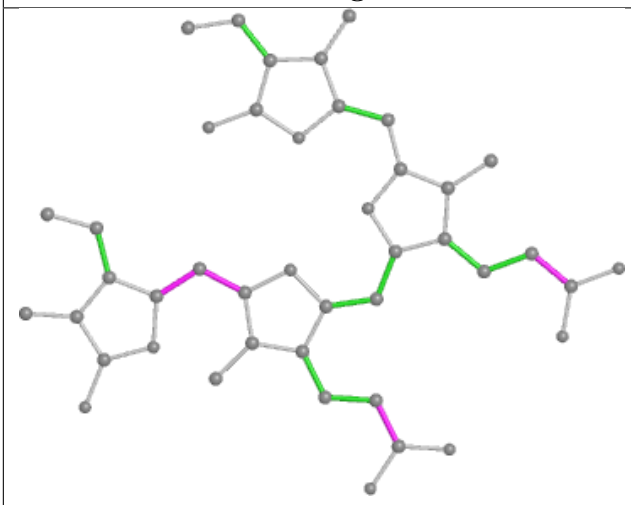


Bond angles



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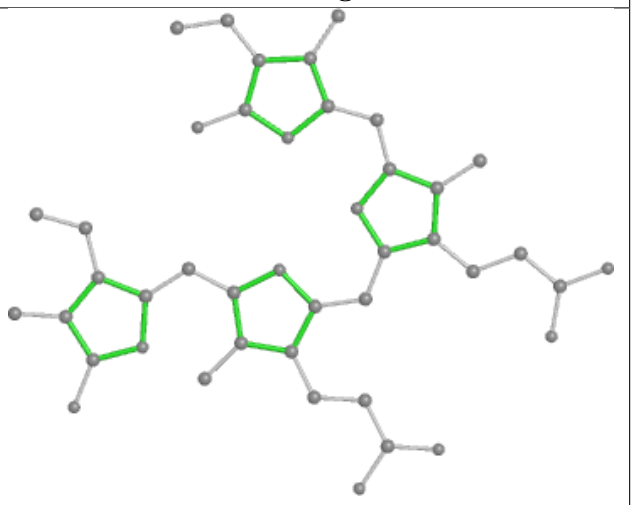

Rings

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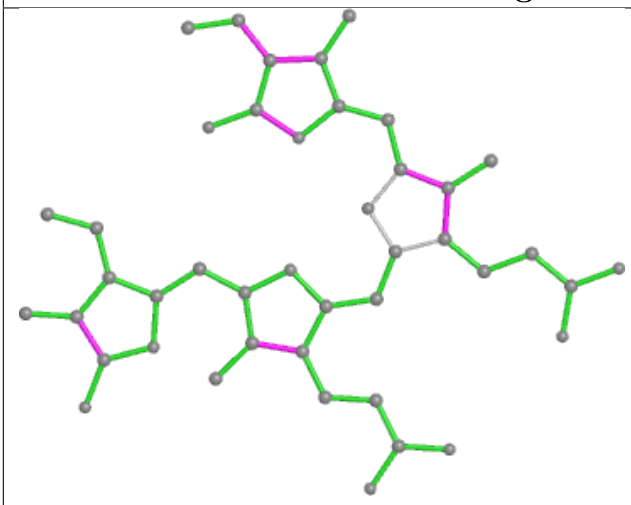

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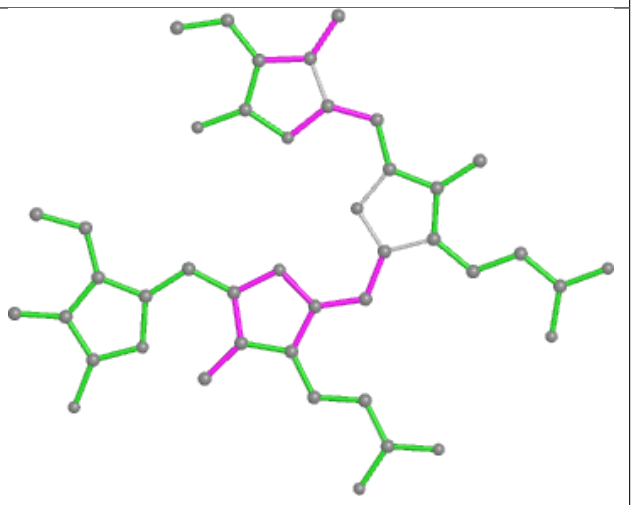

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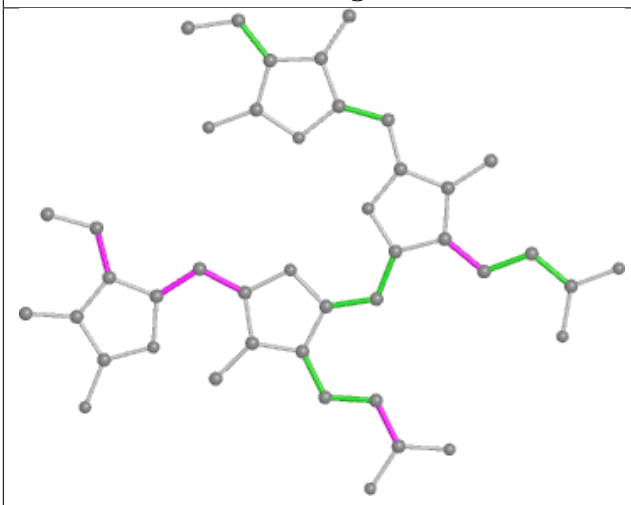

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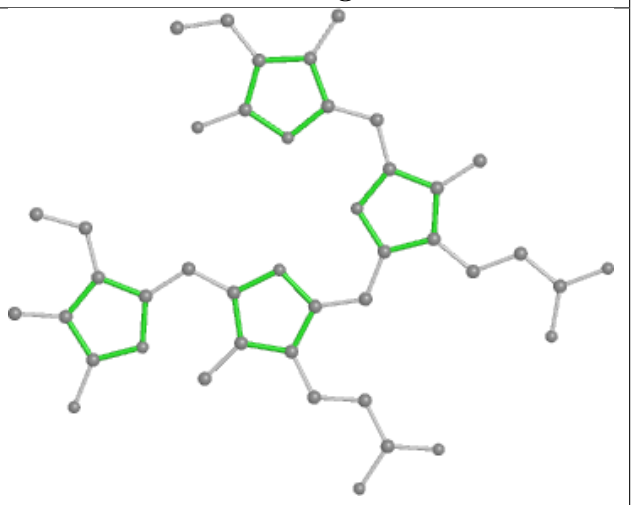
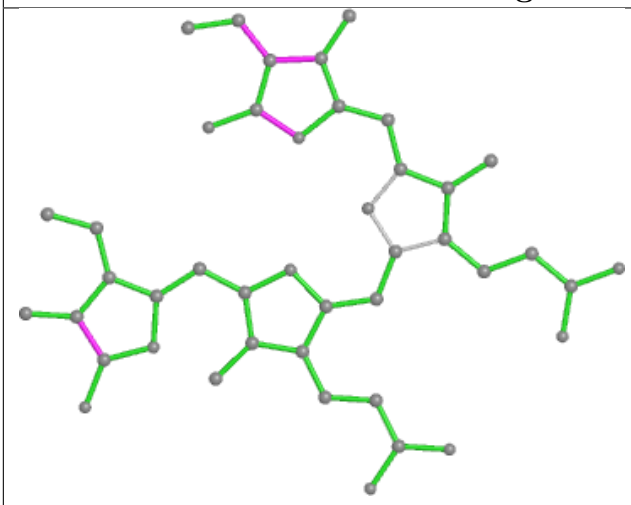


Rings

Ligand PEB C2 302



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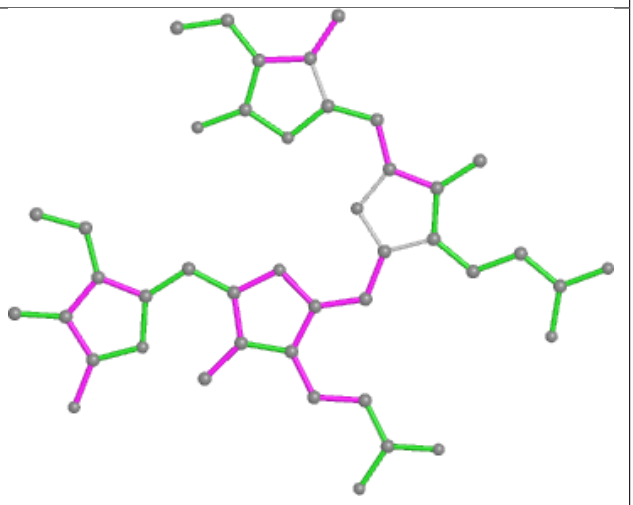
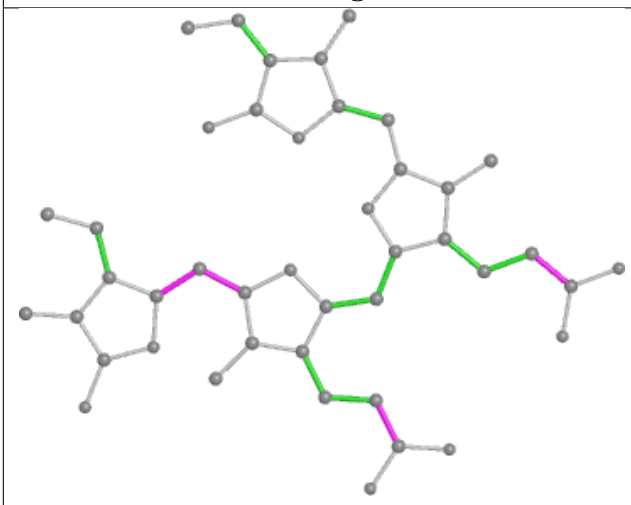
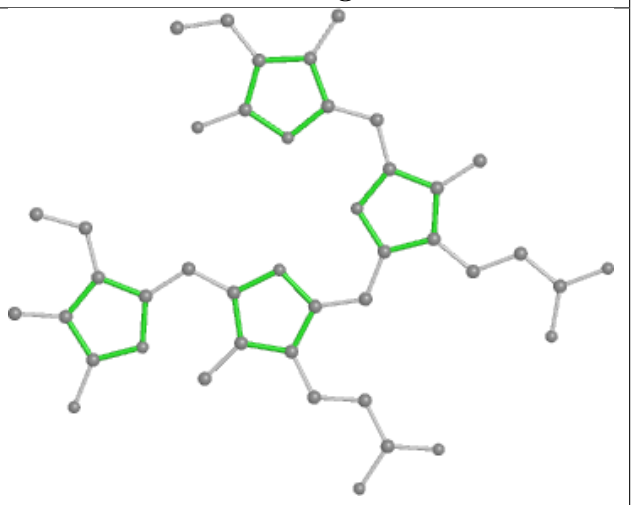


Bond angles

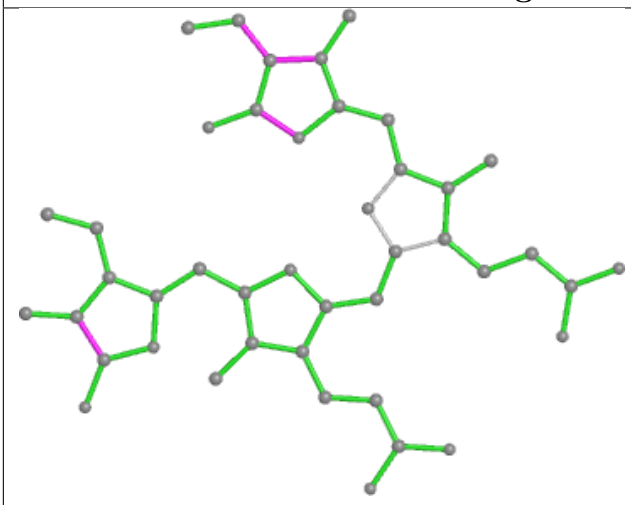


Torsions



Rings

Ligand PEB D8 201



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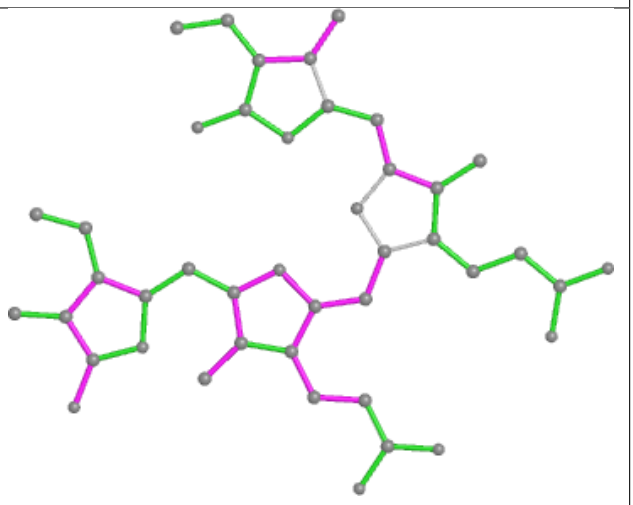

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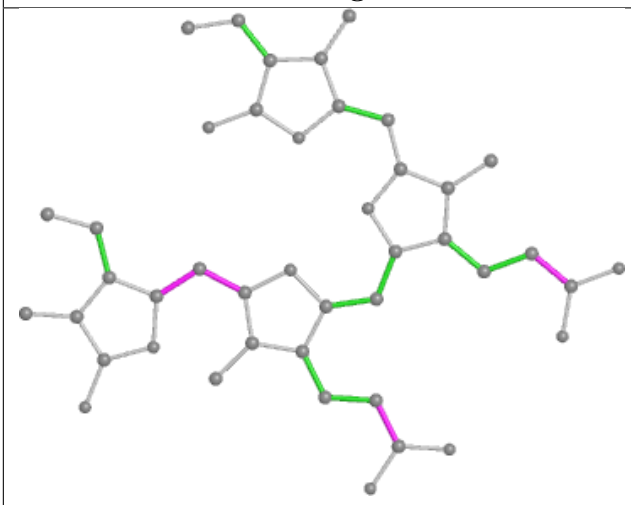

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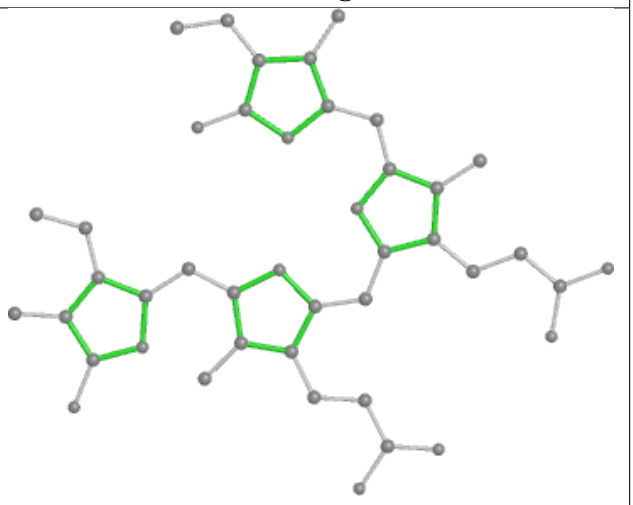
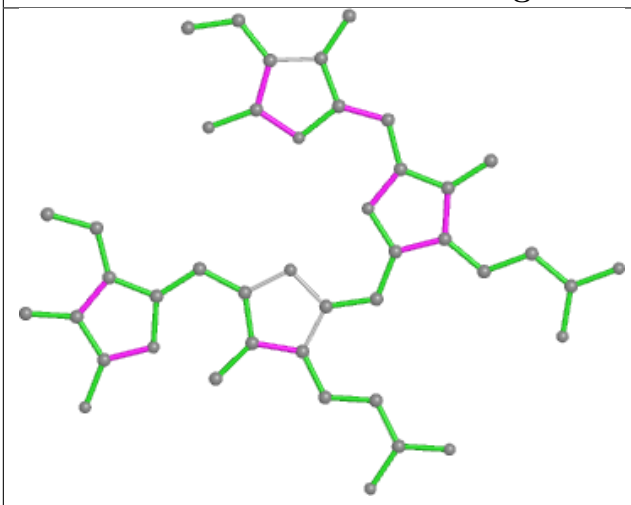


Rings

Ligand PUB V5 203



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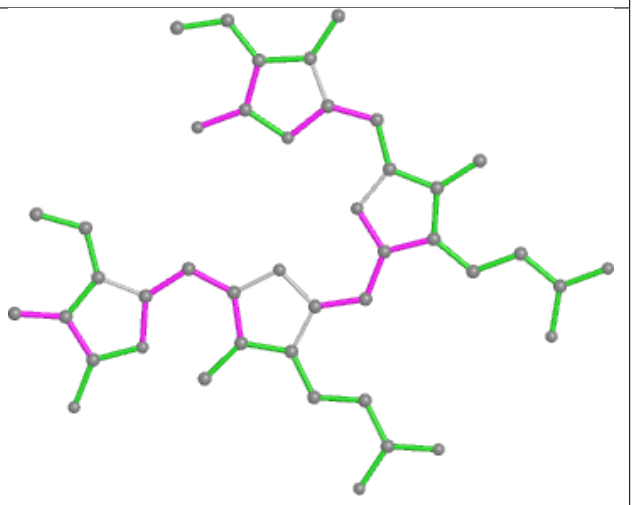

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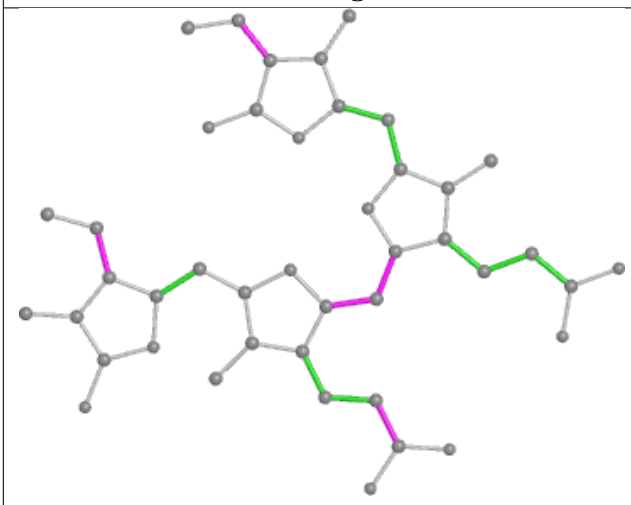

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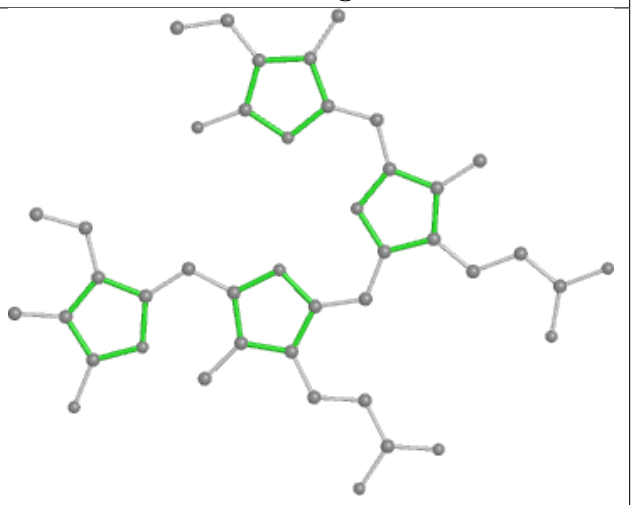
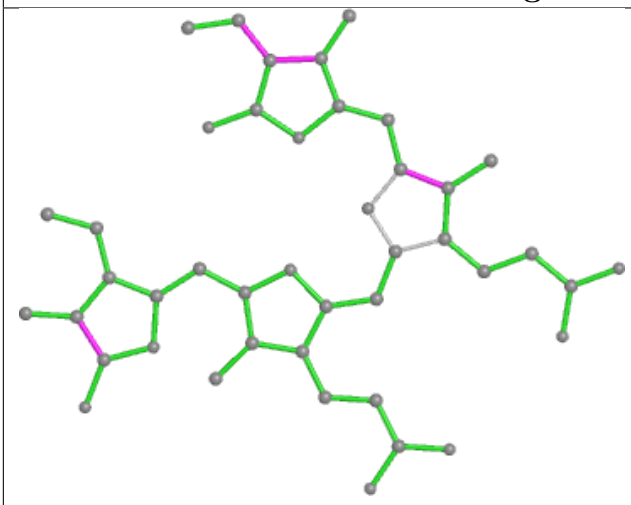


Rings

Ligand PEB lo 202



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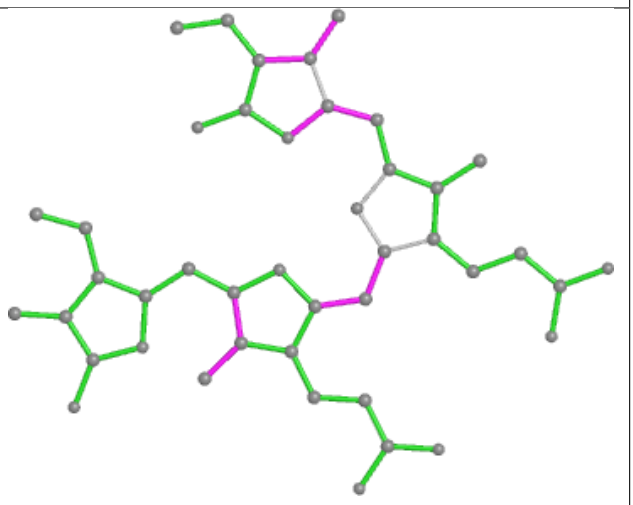

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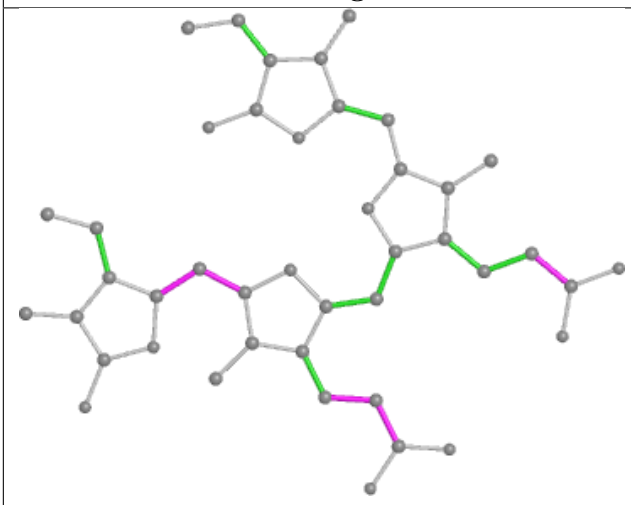

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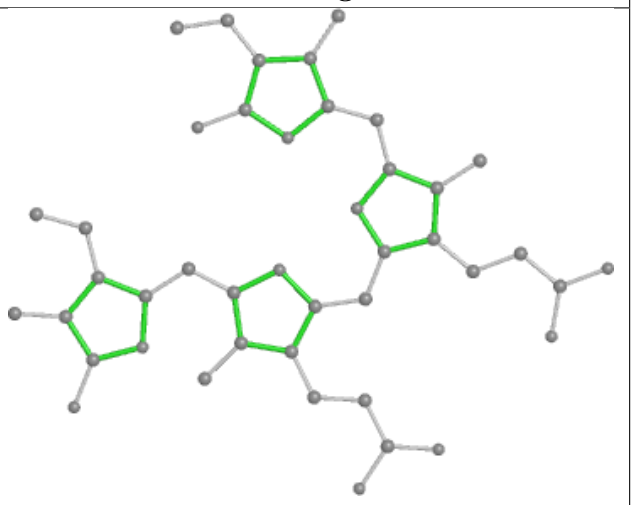

Rings

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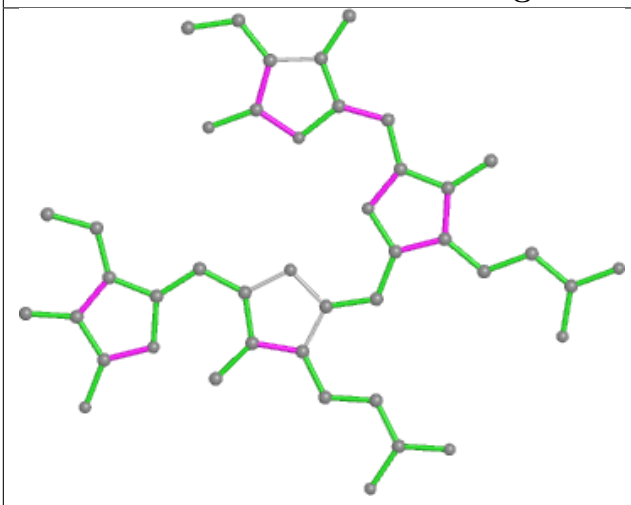

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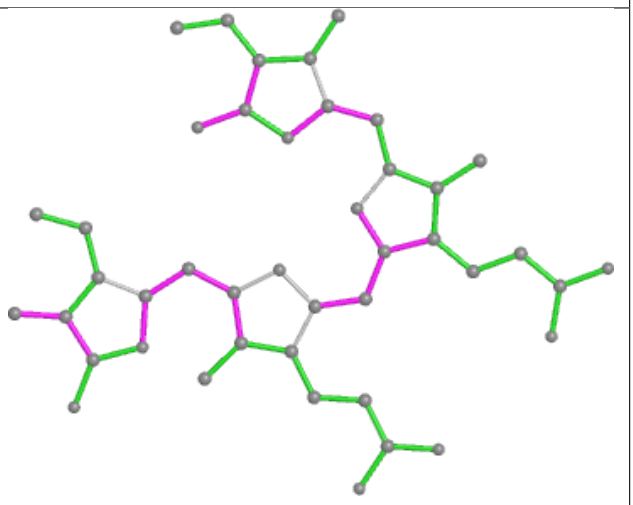

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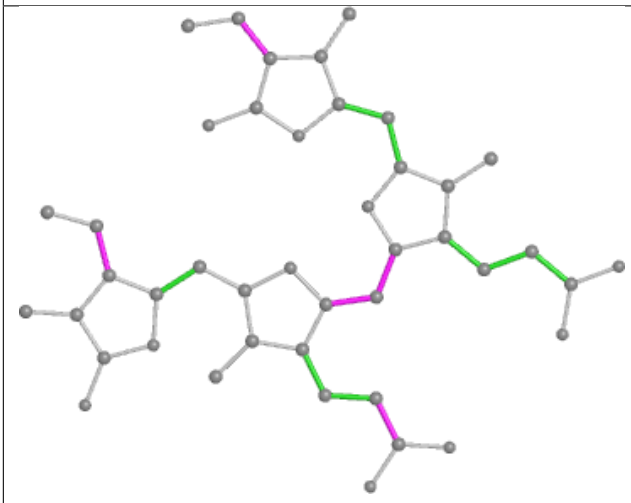

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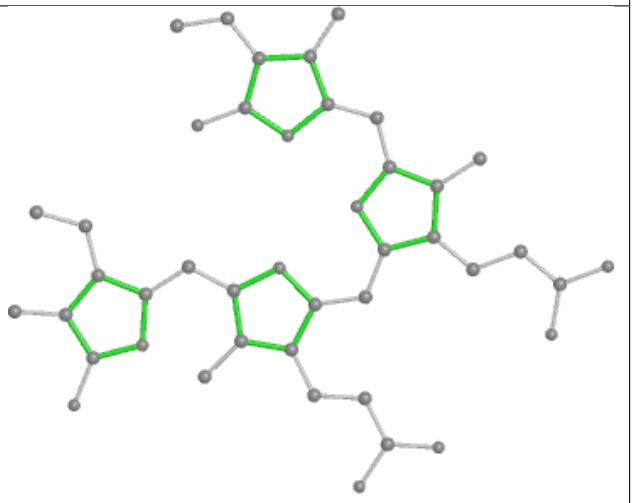

Rings

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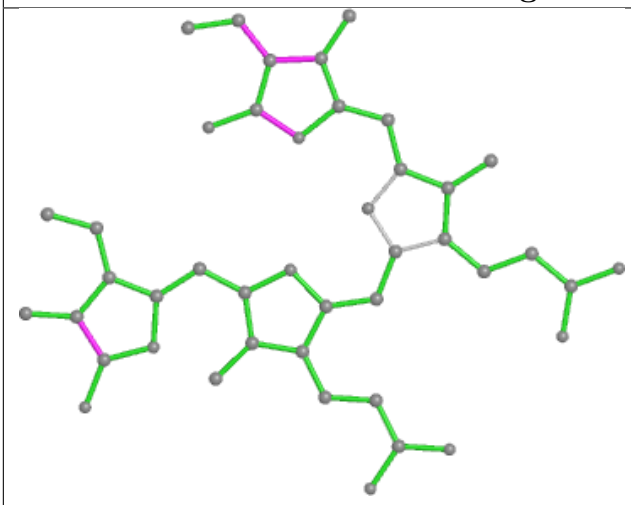

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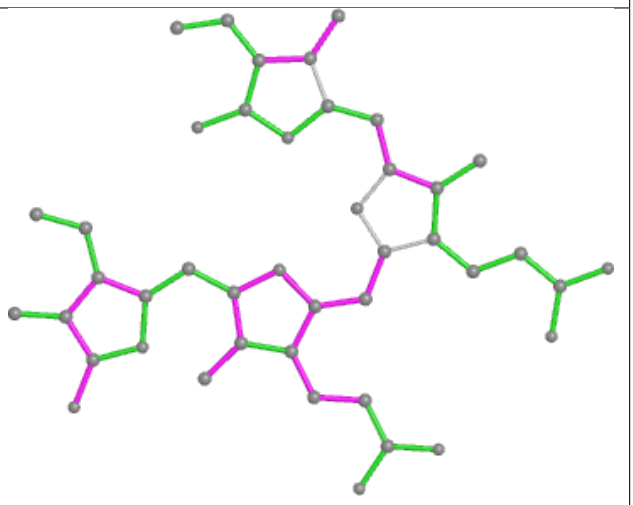

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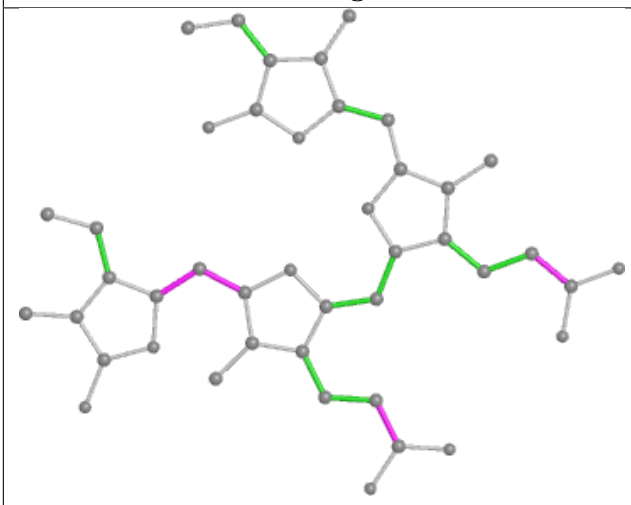

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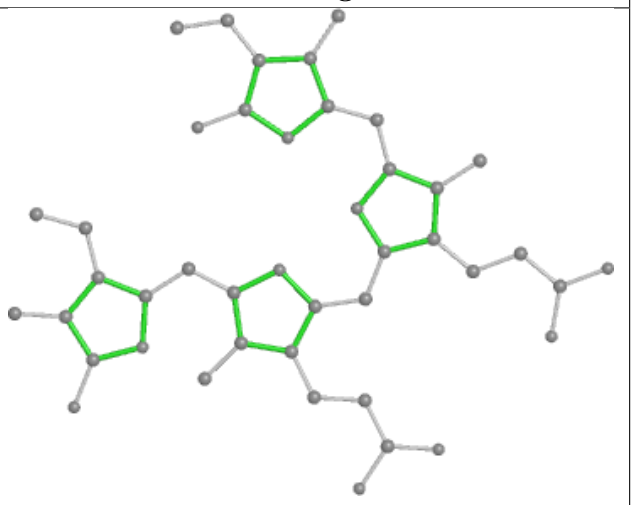
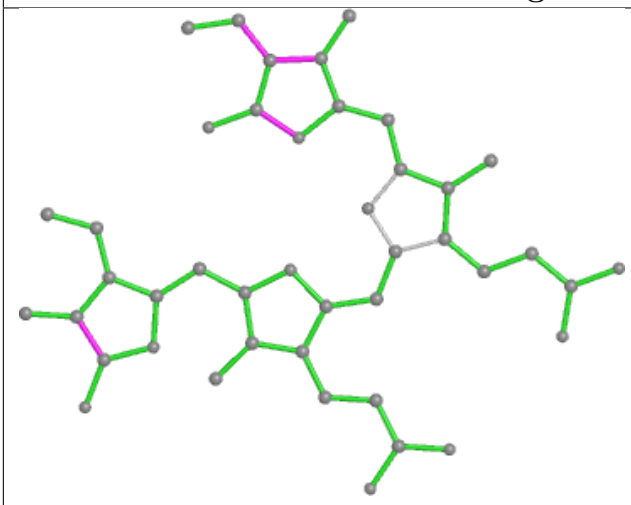


Rings

Ligand PEB ff 201



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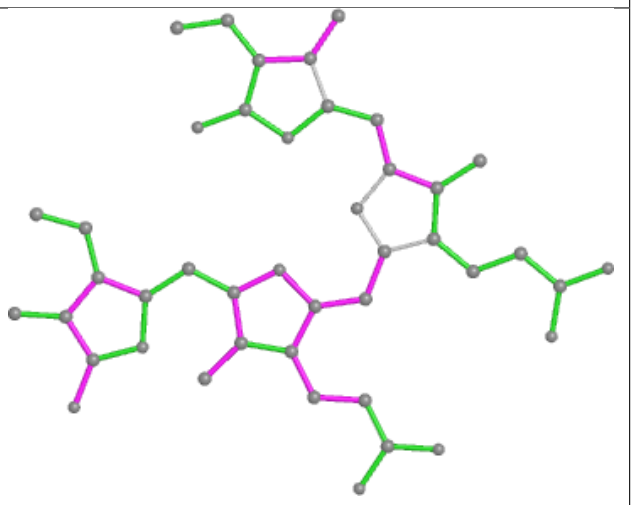

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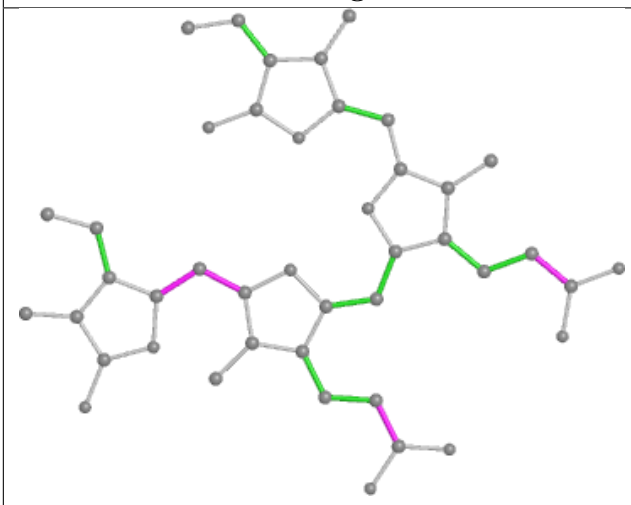

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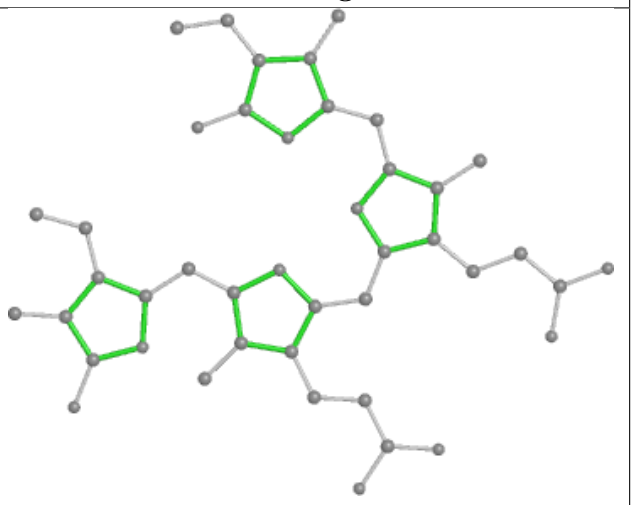

Rings

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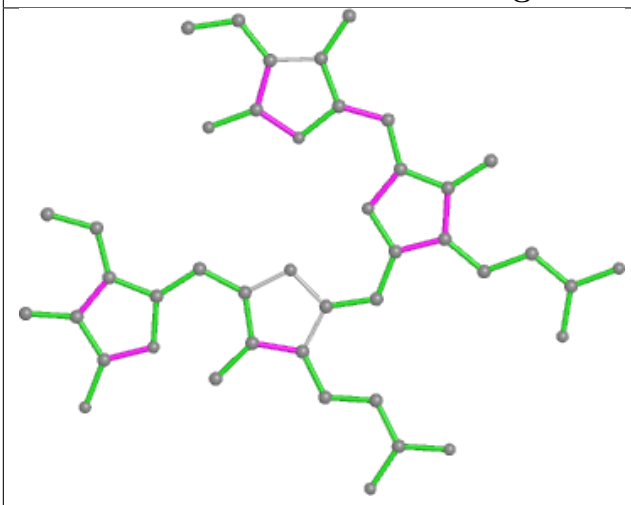

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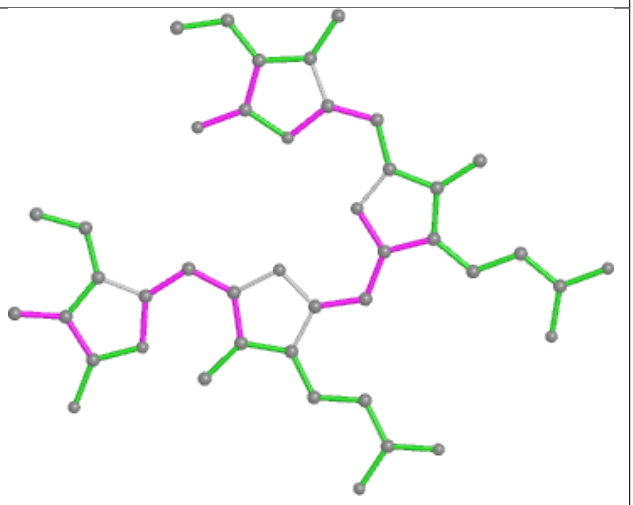

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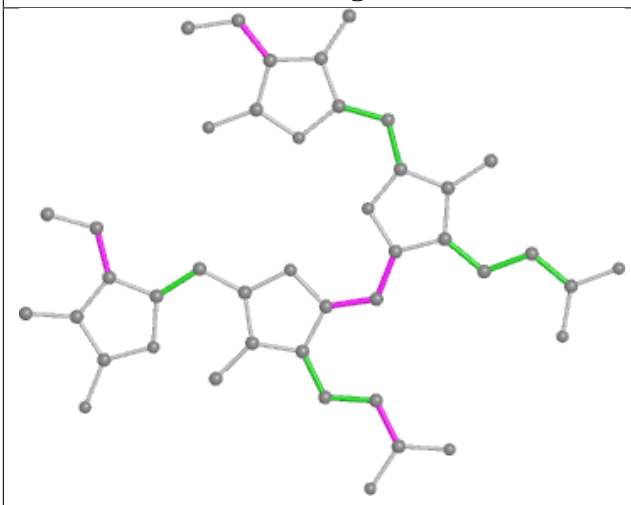

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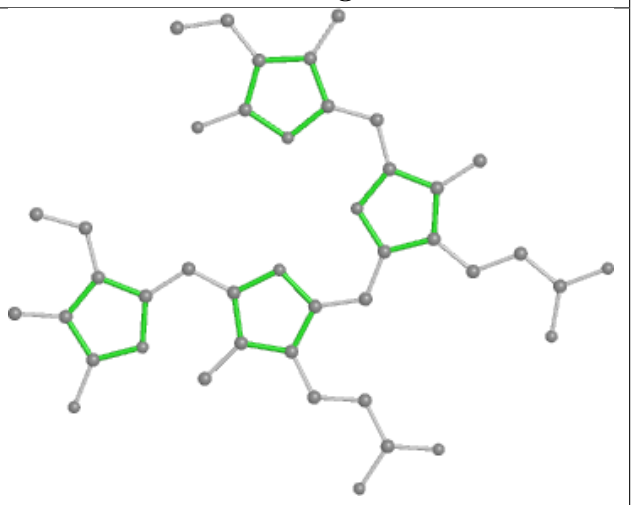

Rings

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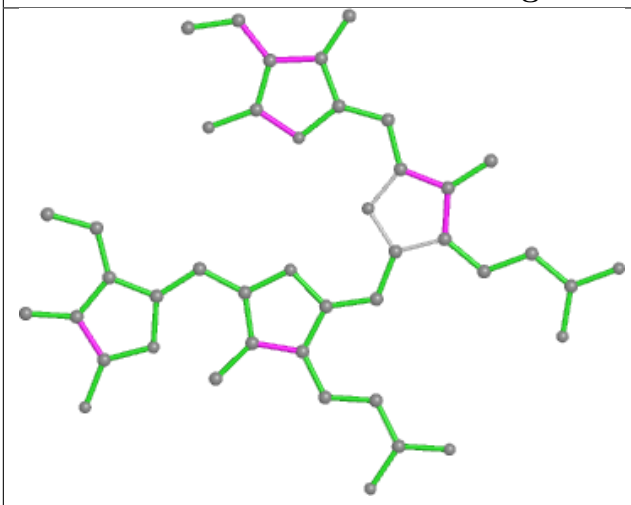

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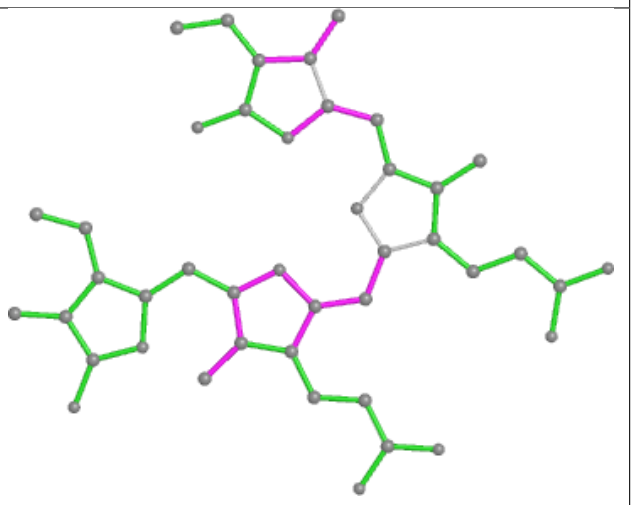

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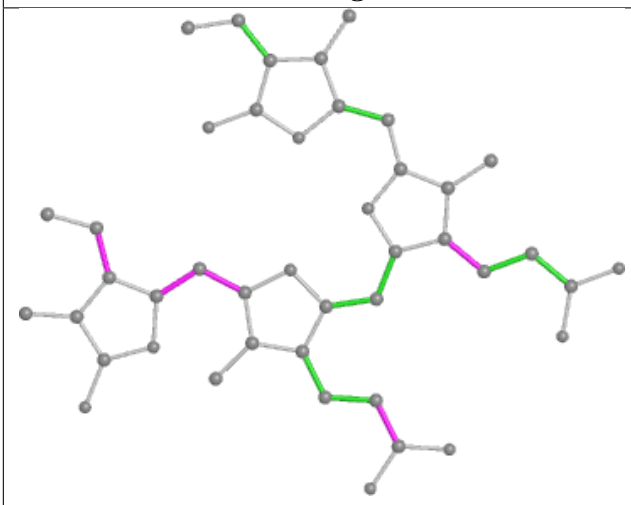

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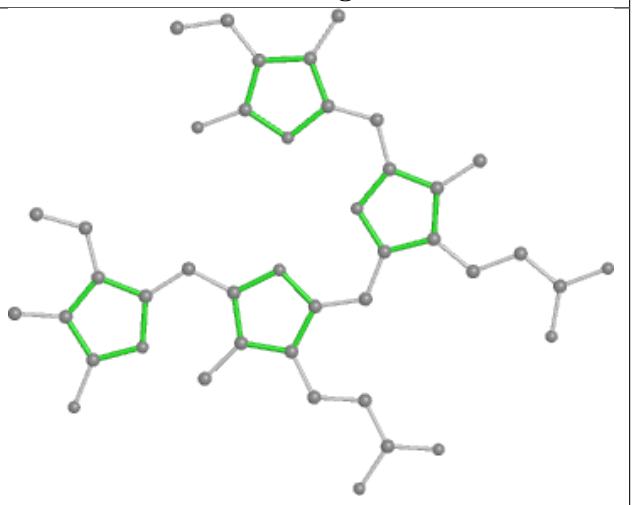

Rings

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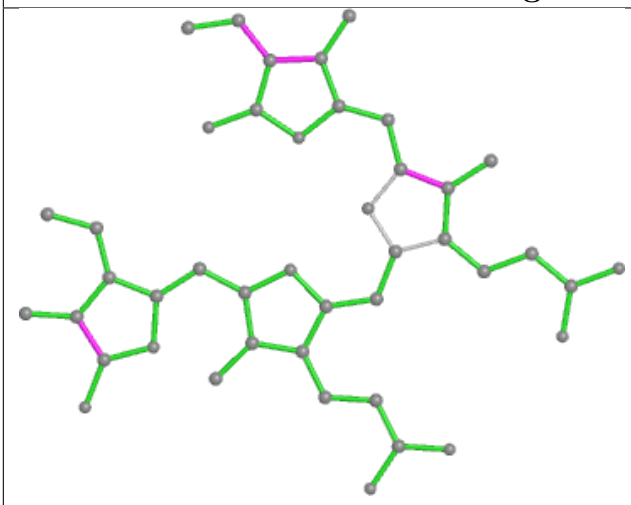

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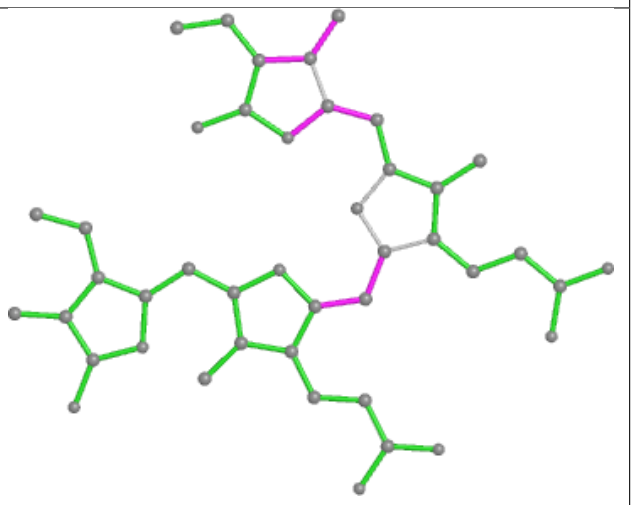

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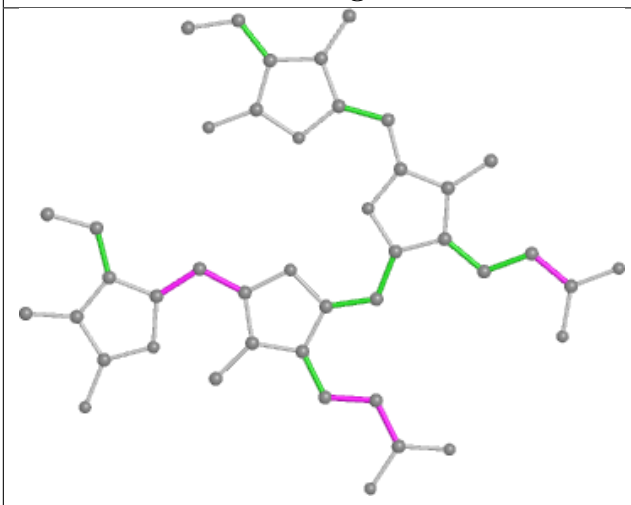

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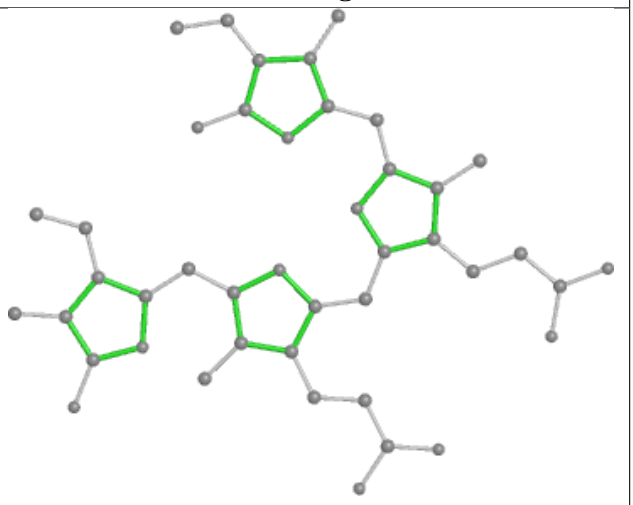

Rings

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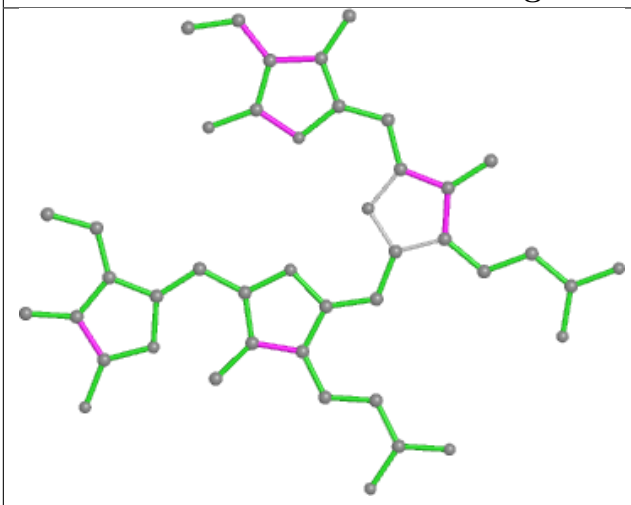

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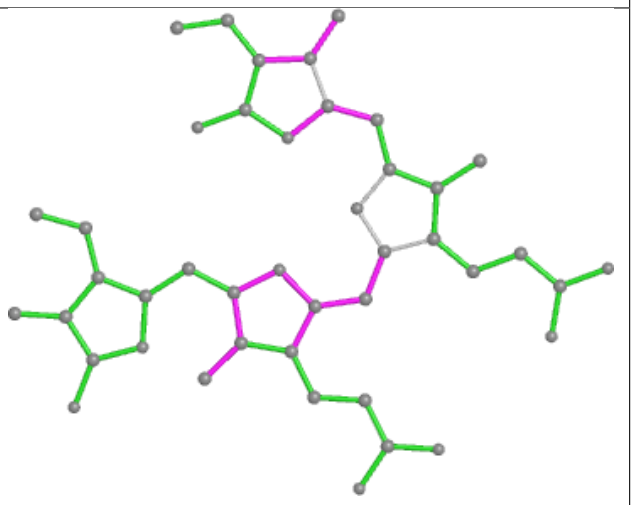

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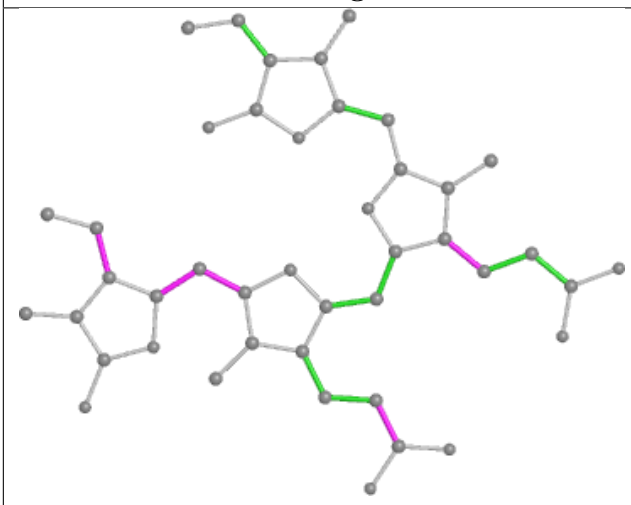

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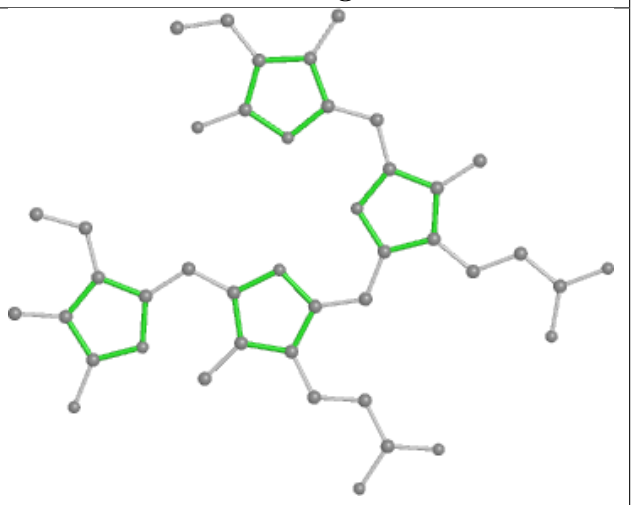
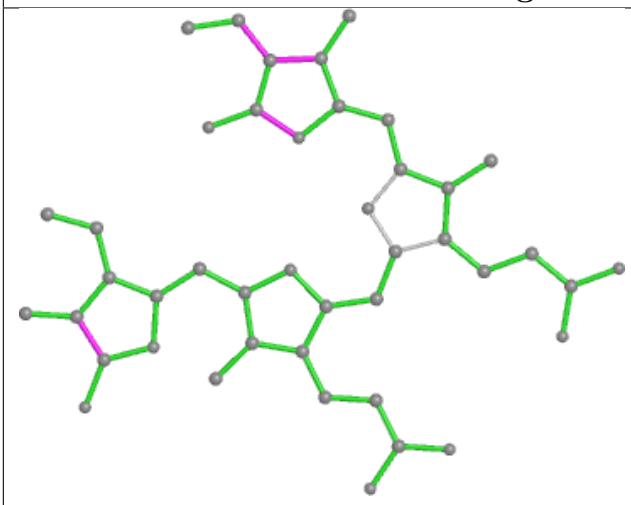


Rings

Ligand PEB P8 201



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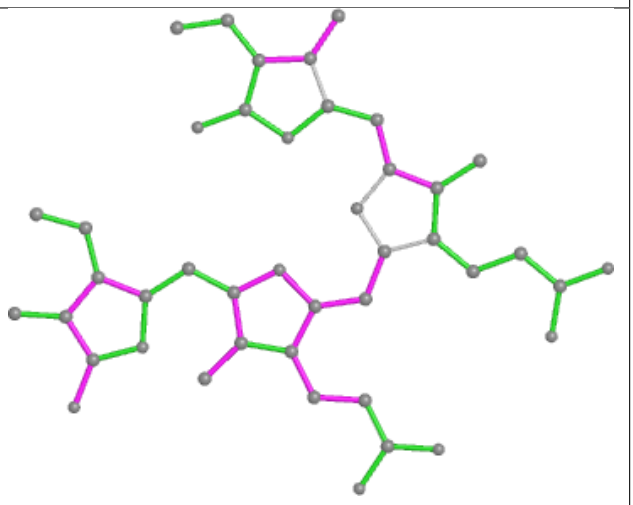

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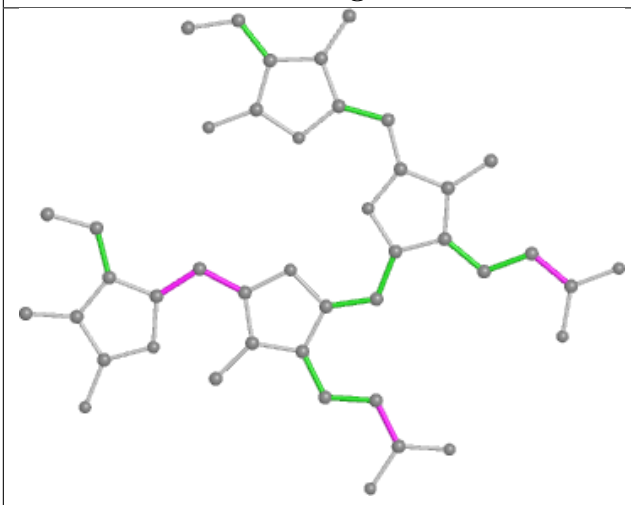

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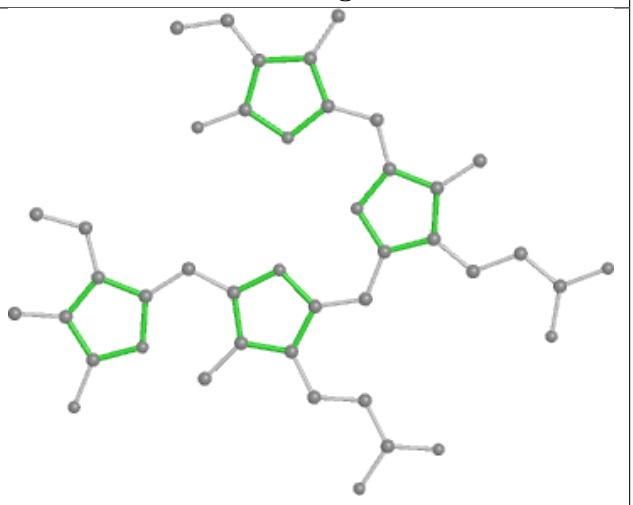
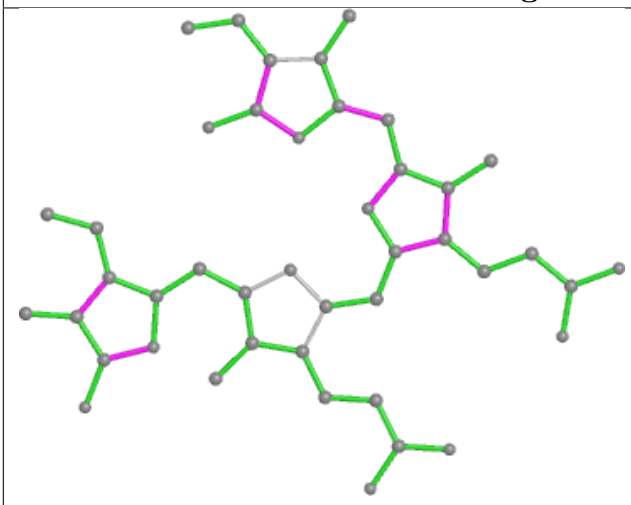


Rings

Ligand PUB lp 203



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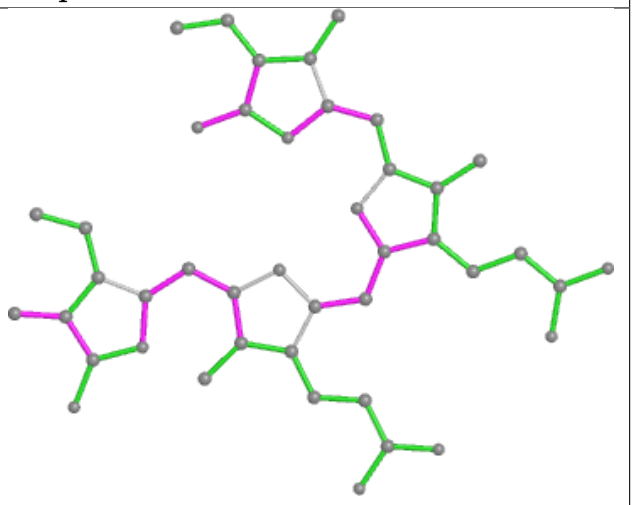

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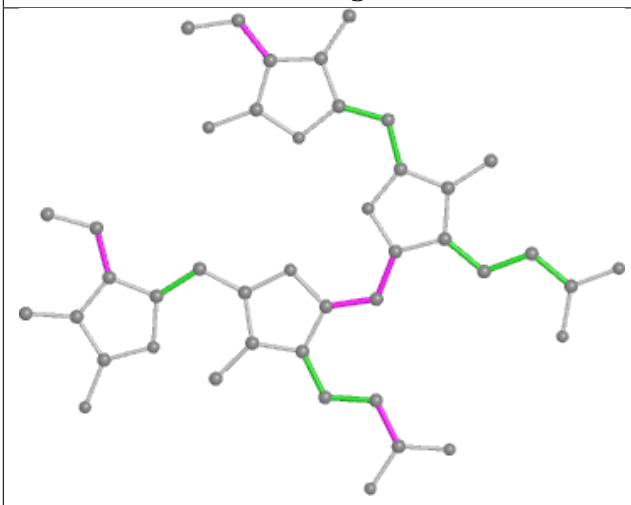

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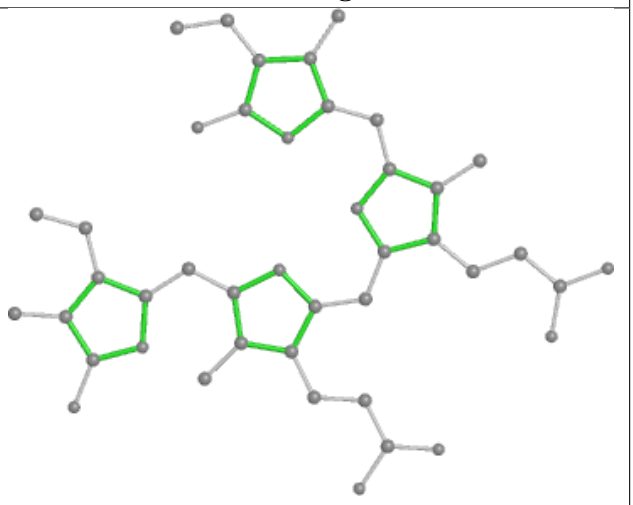
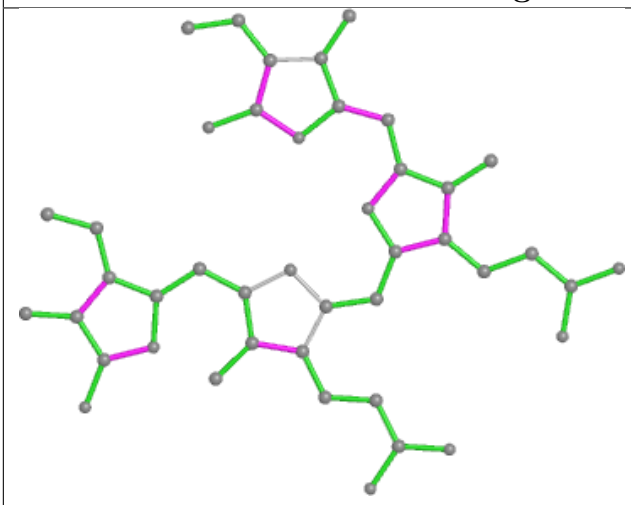


Rings

Ligand PUB V7 203



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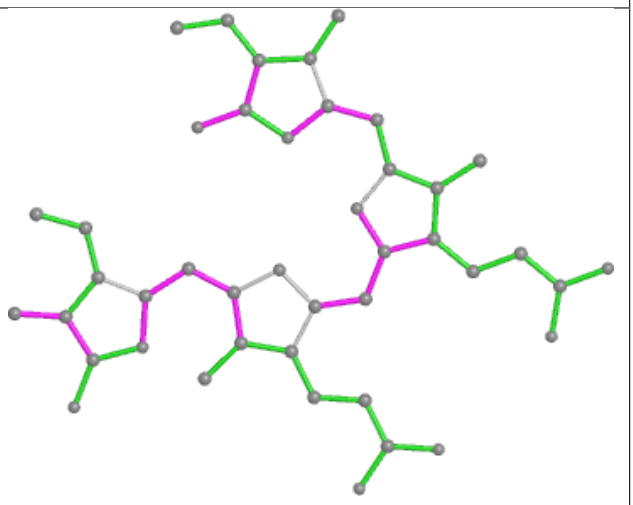
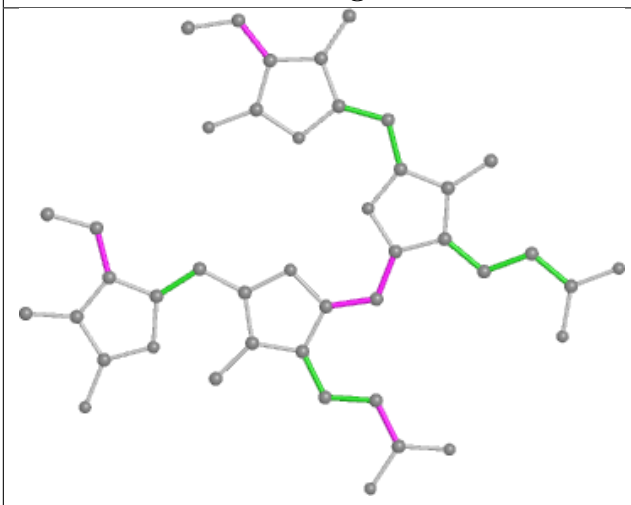


Bond angles



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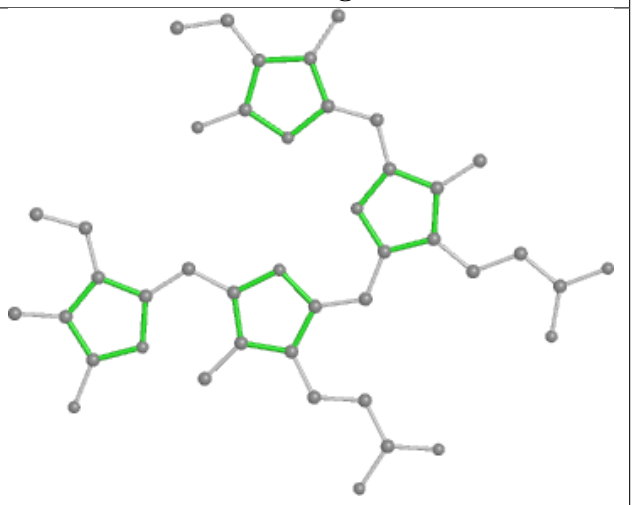
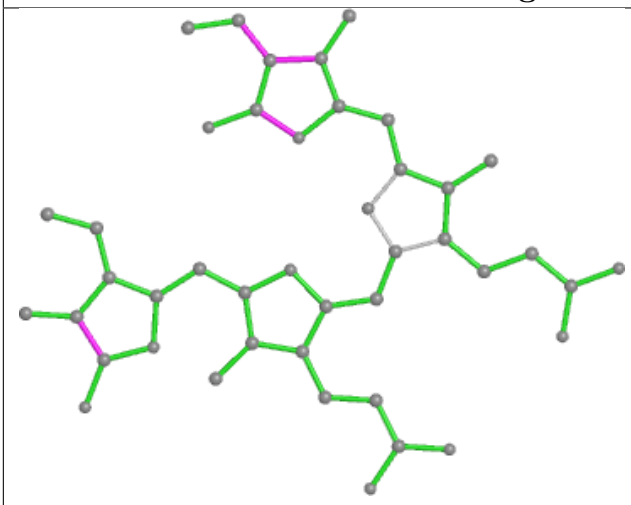
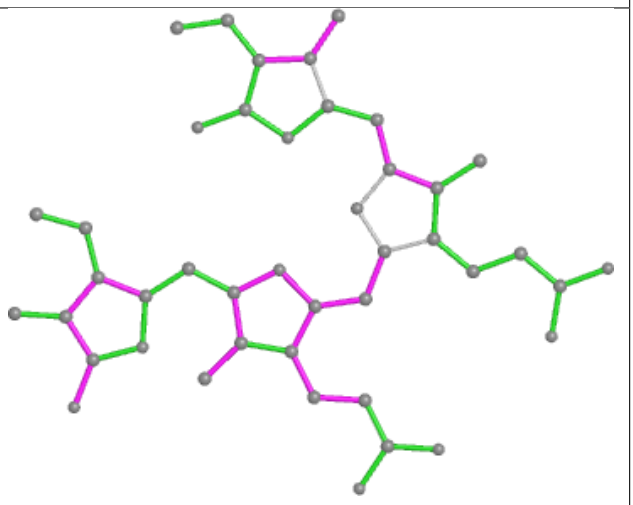


Rings

Ligand PEB do 202



Bond lengths



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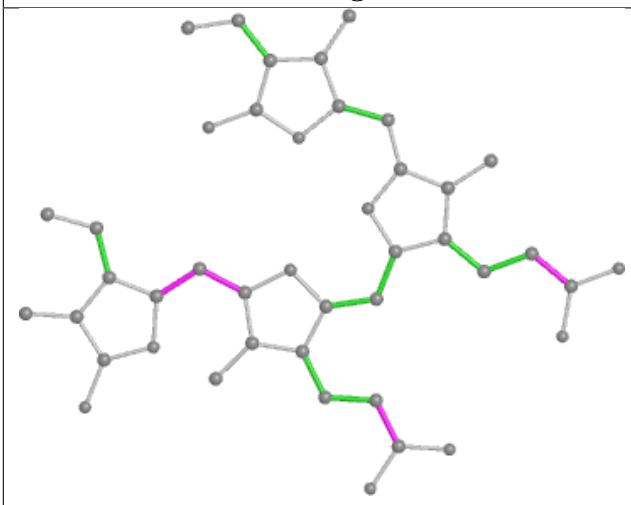
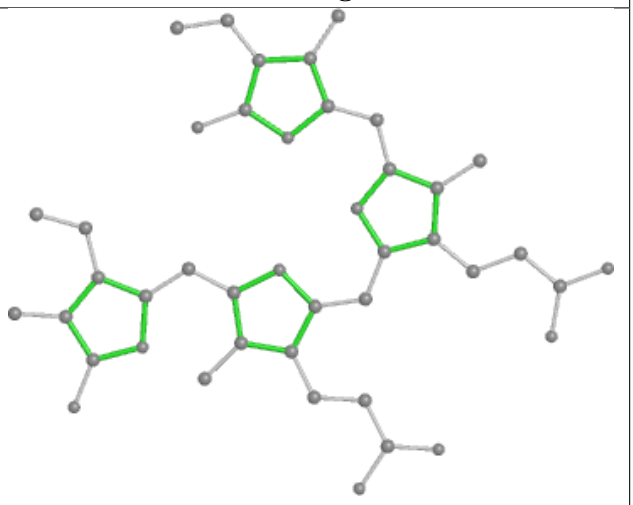
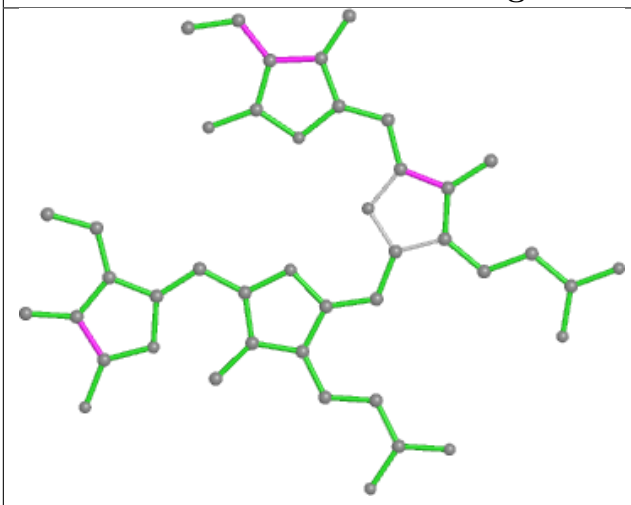


Torsions



Rings

Ligand PEB dZ 1002



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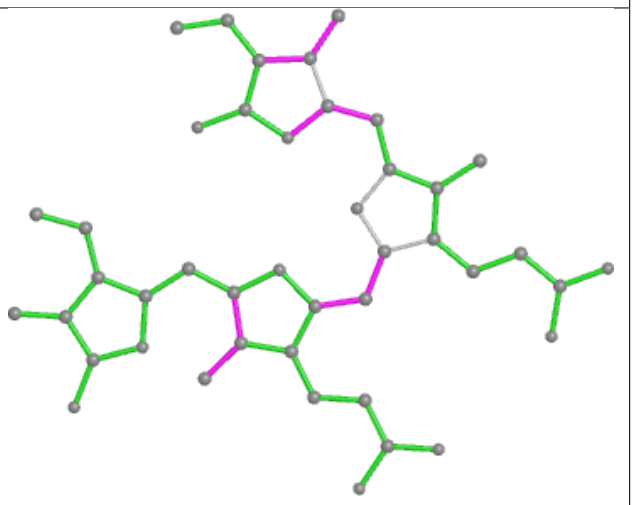

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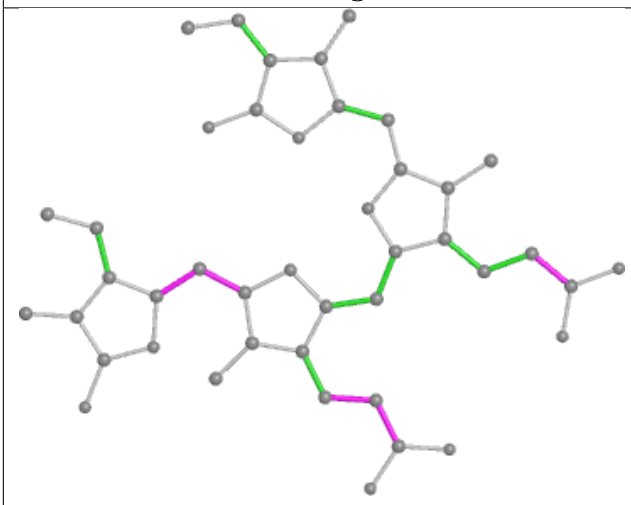

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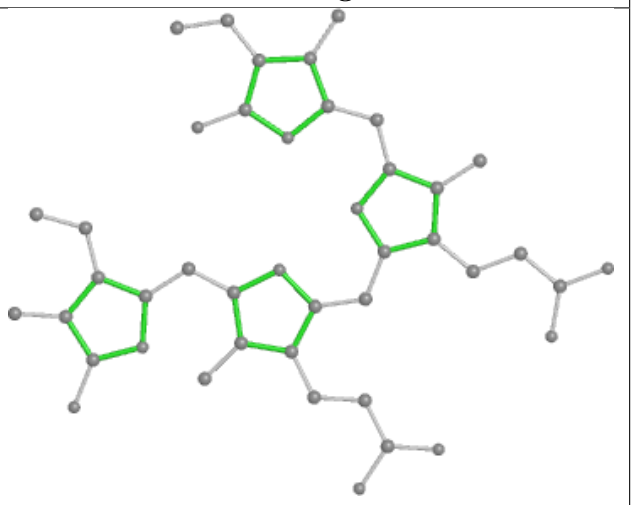

Rings

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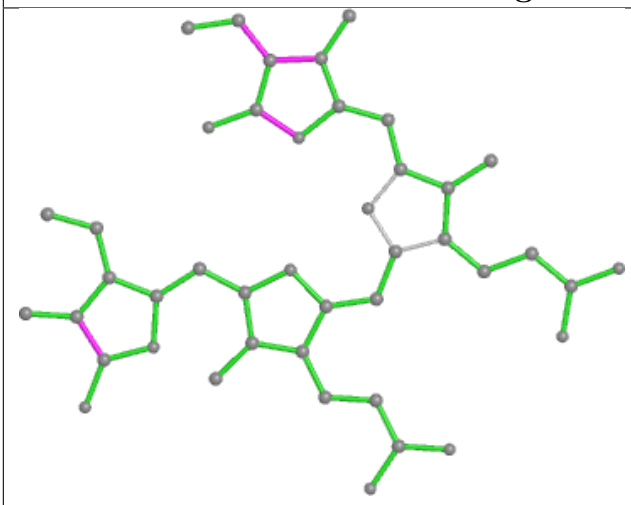

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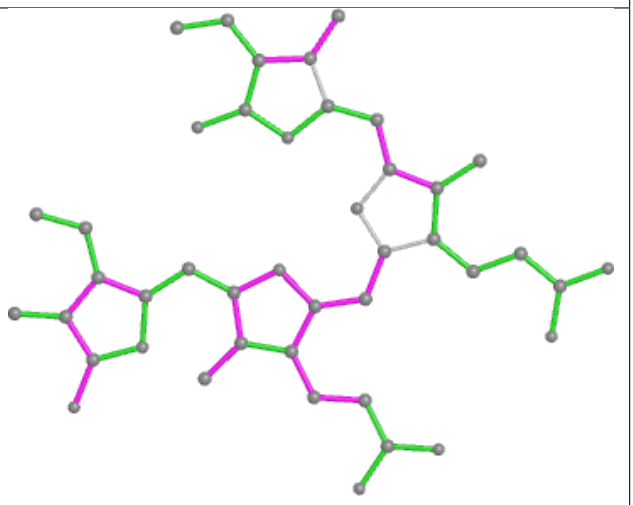

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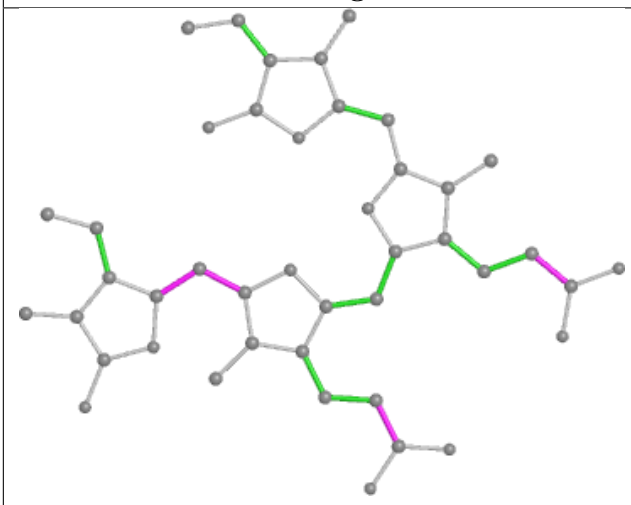

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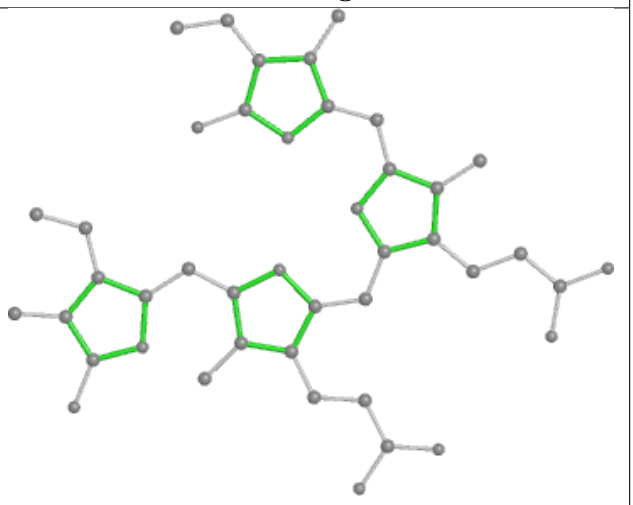

Rings

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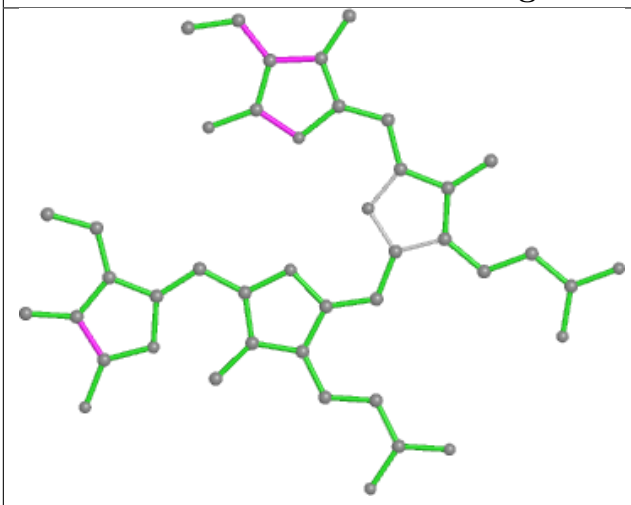

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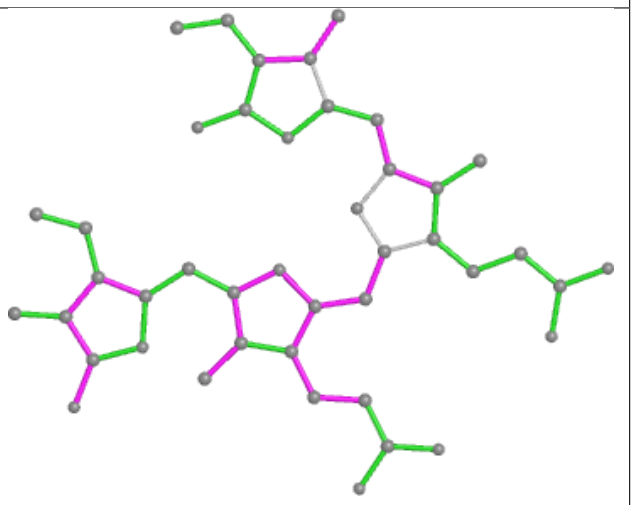

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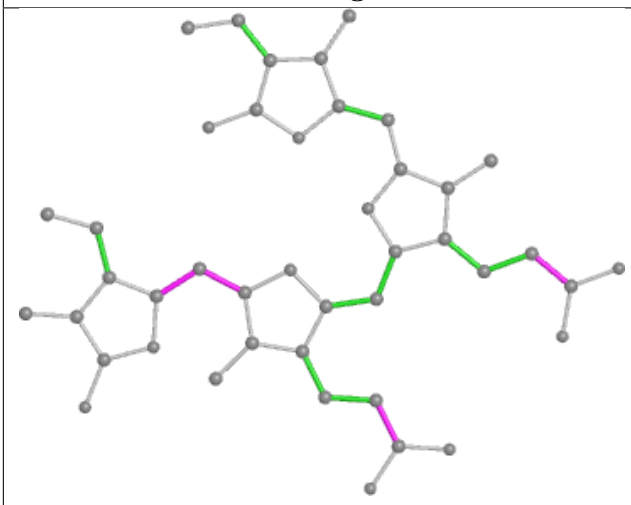

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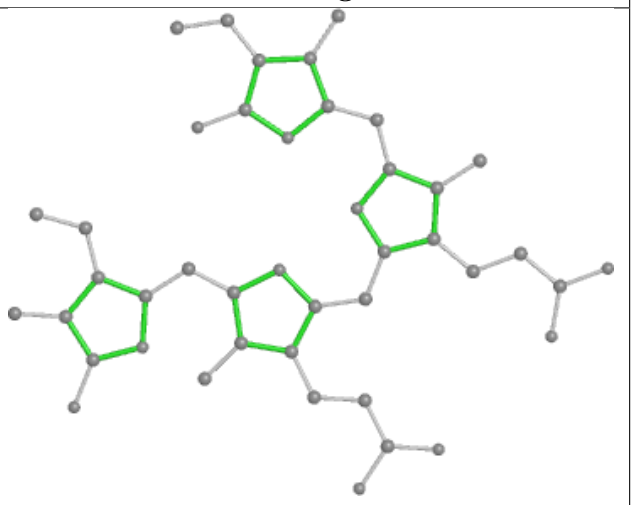
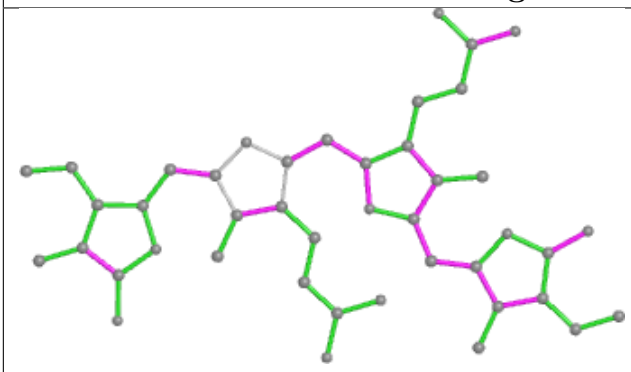


Rings

Ligand CYC o1 1001



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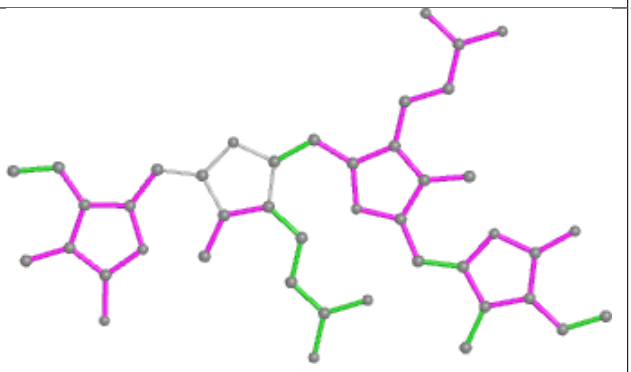

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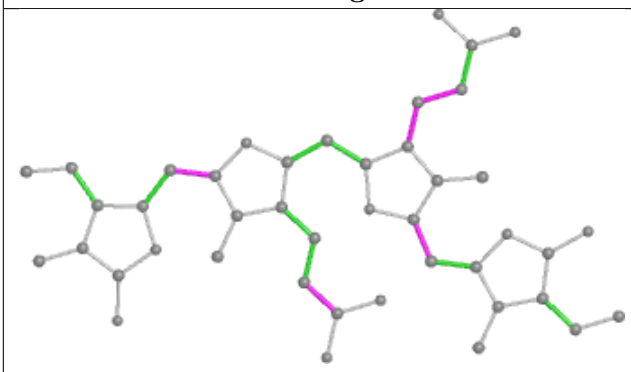

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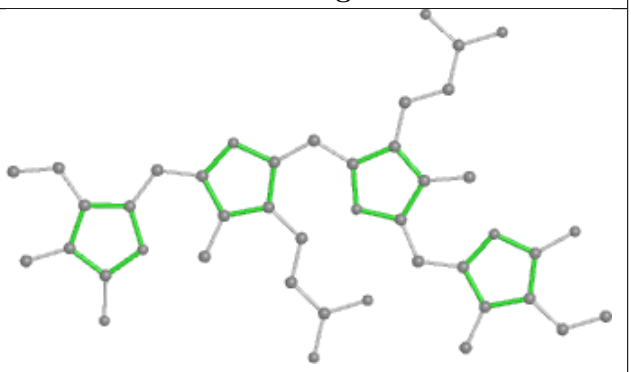

Rings

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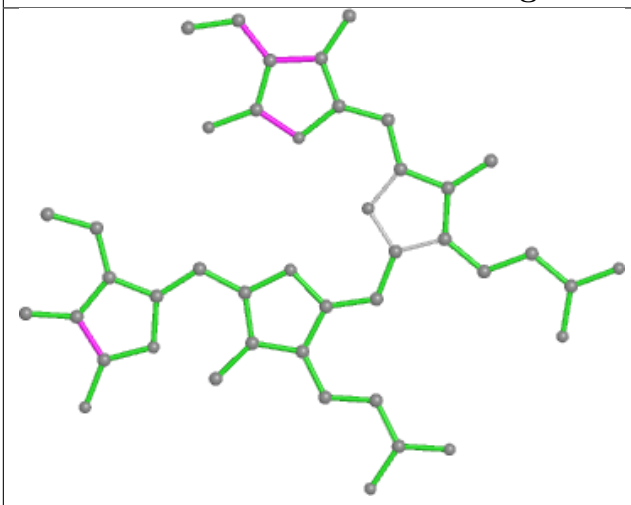

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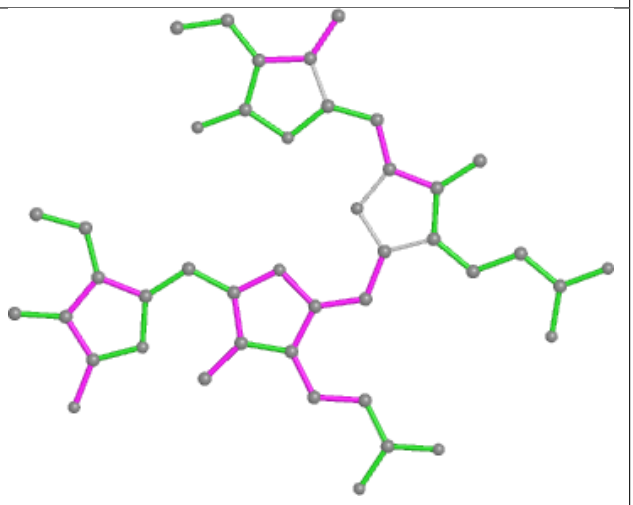

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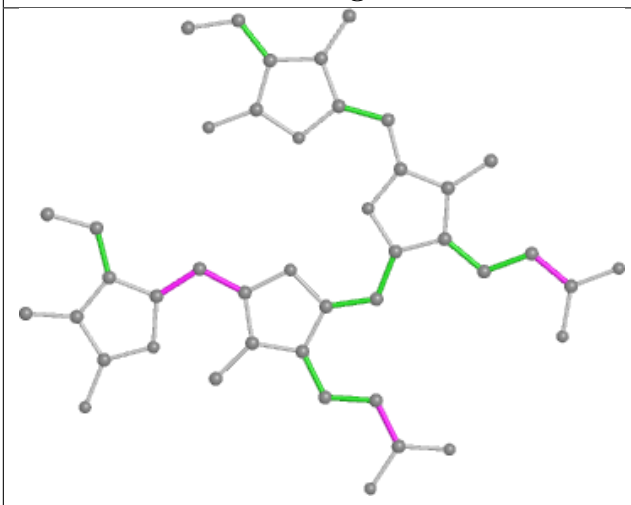

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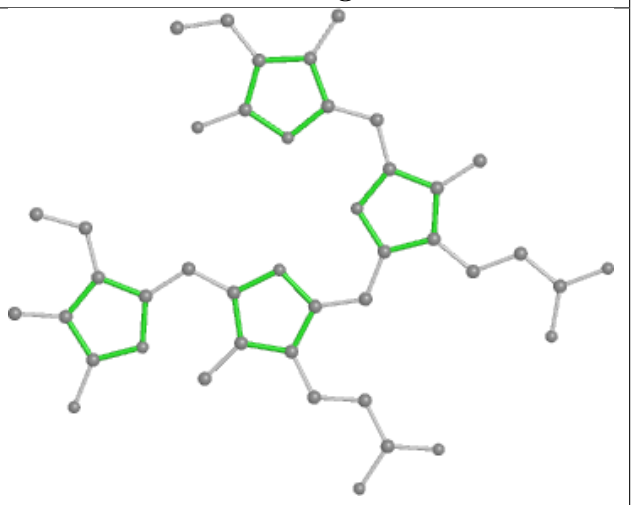

Rings

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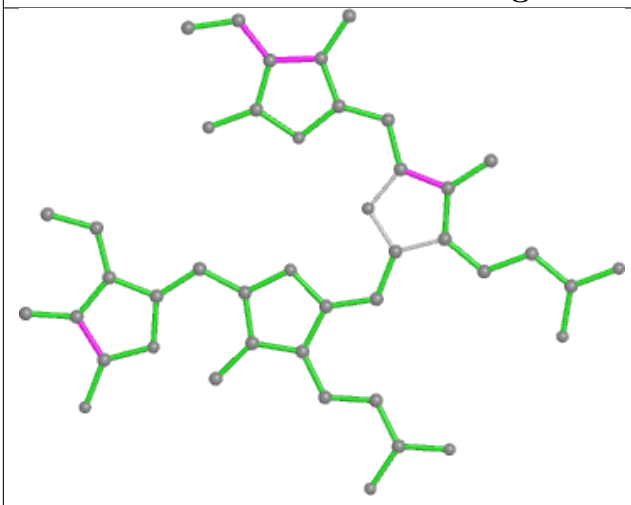

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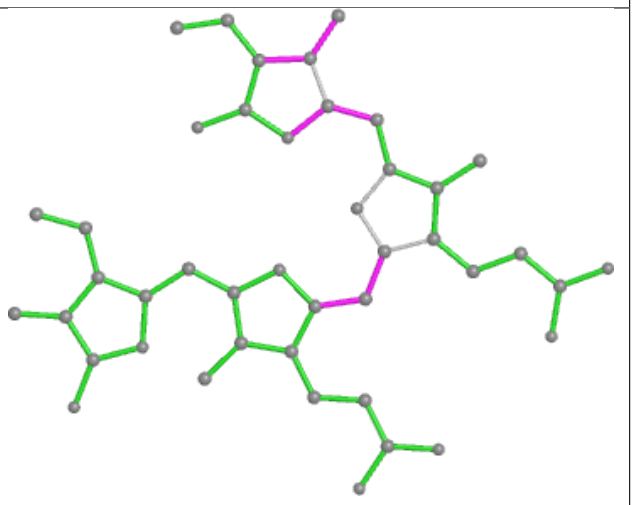

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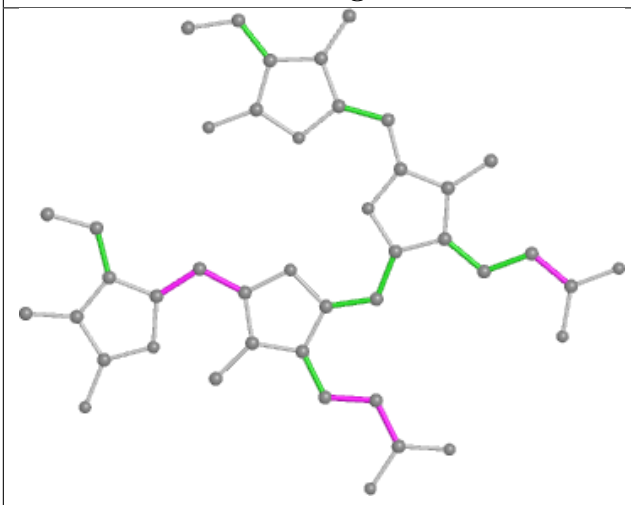

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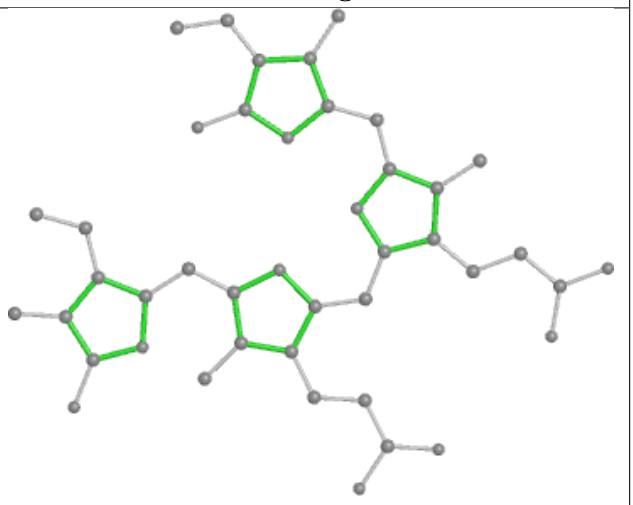

Rings

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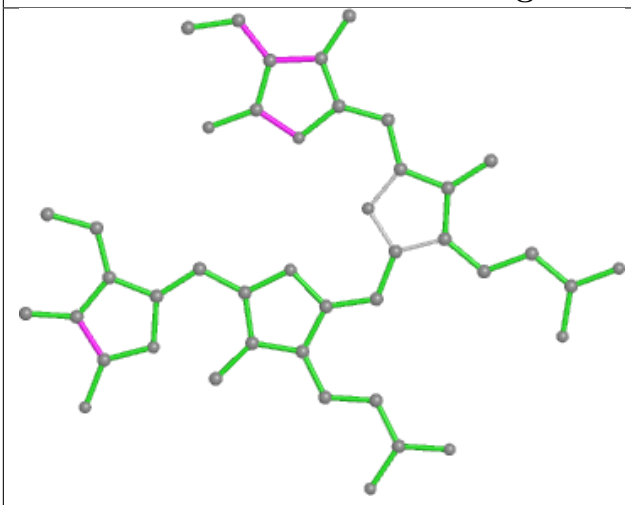

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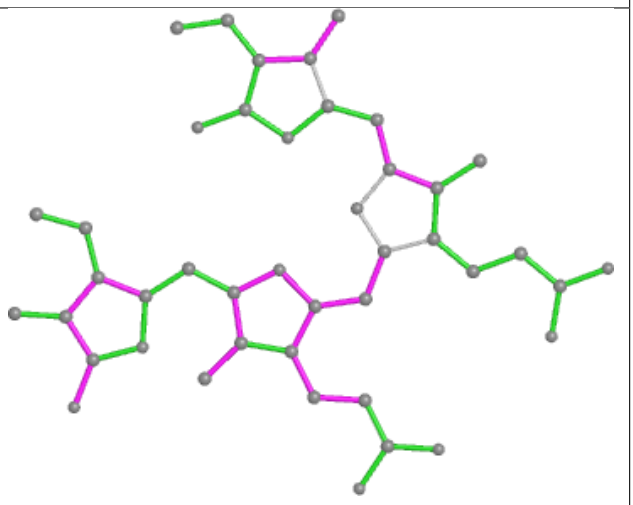

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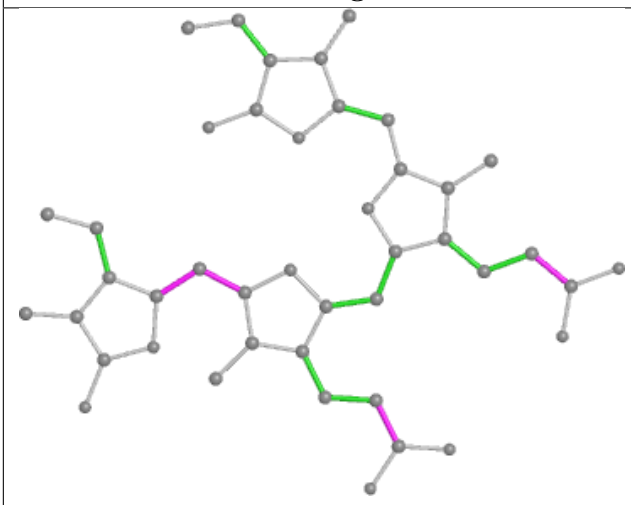

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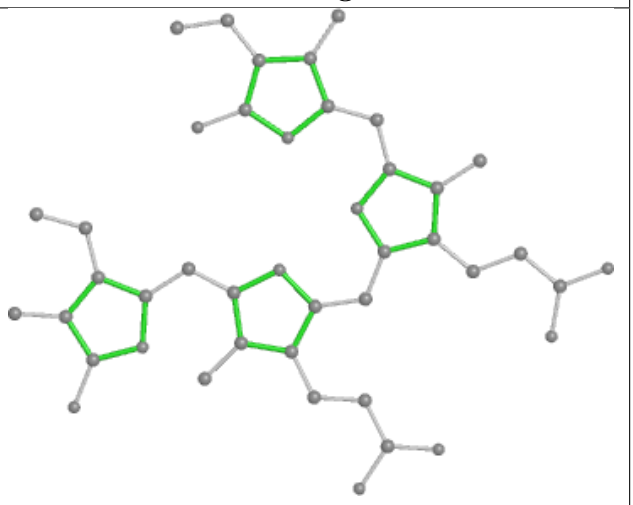

Rings

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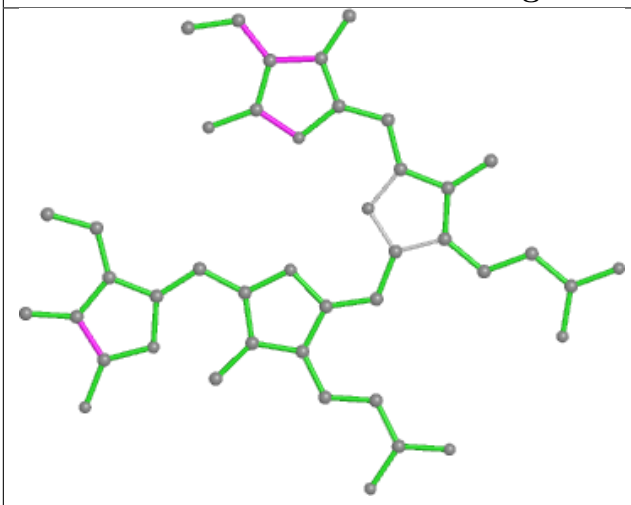

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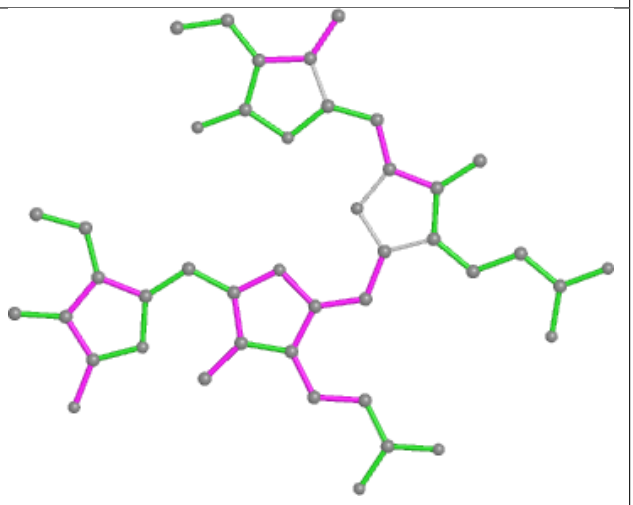

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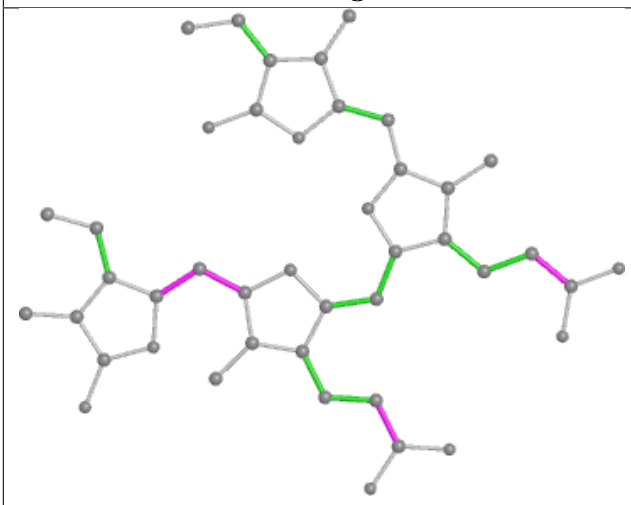

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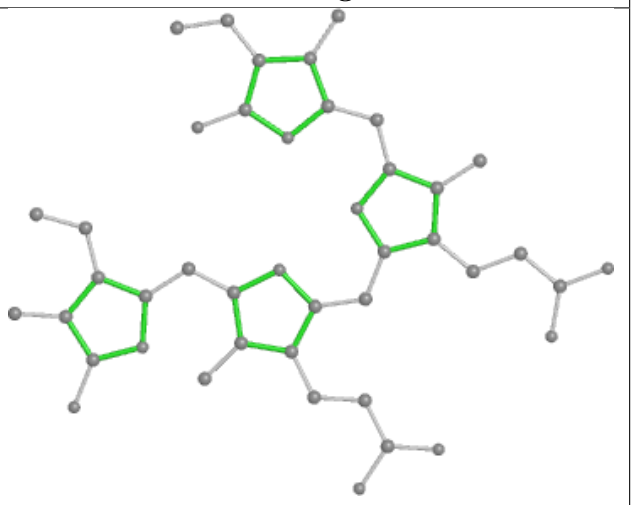

Rings

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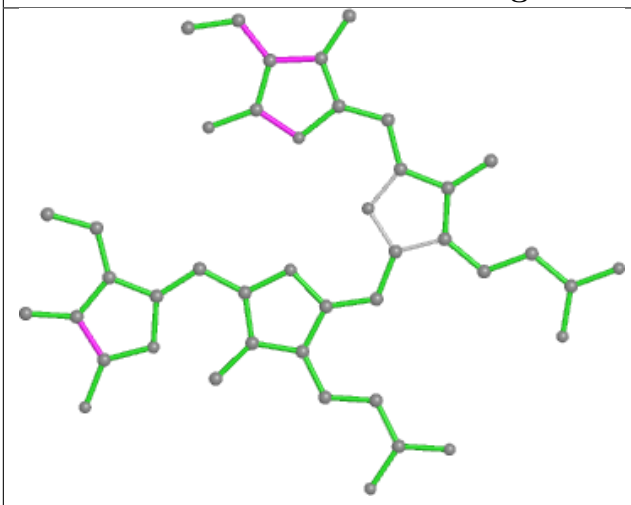

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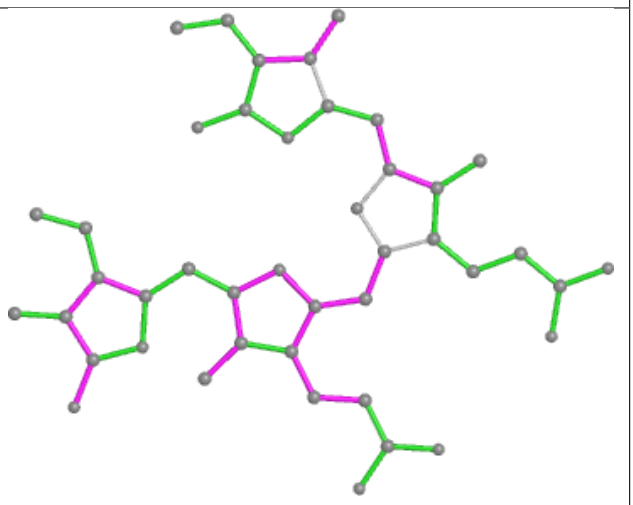

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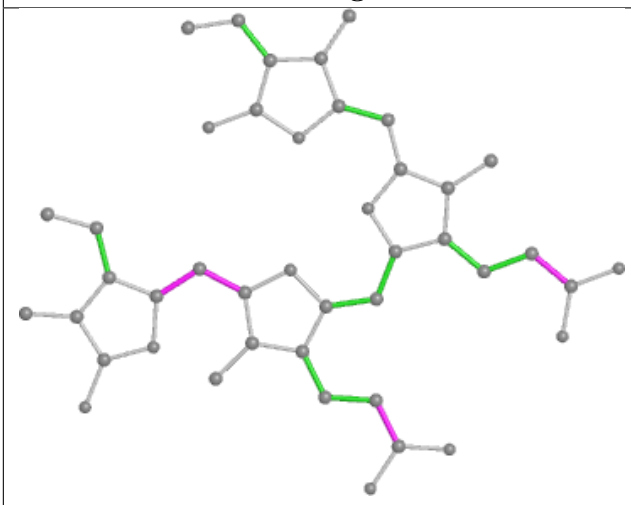

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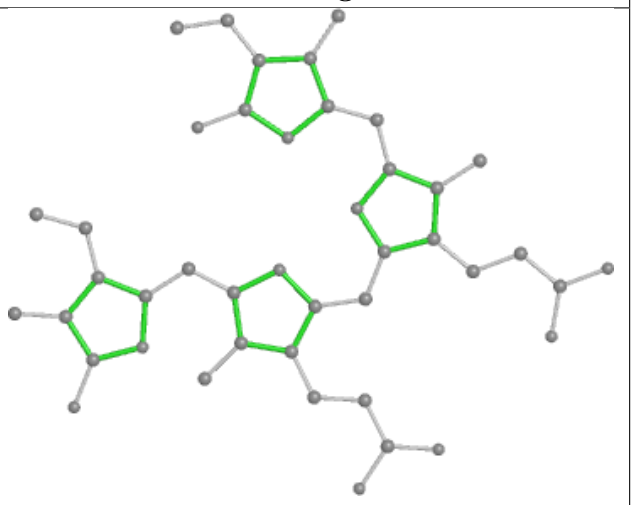

Rings

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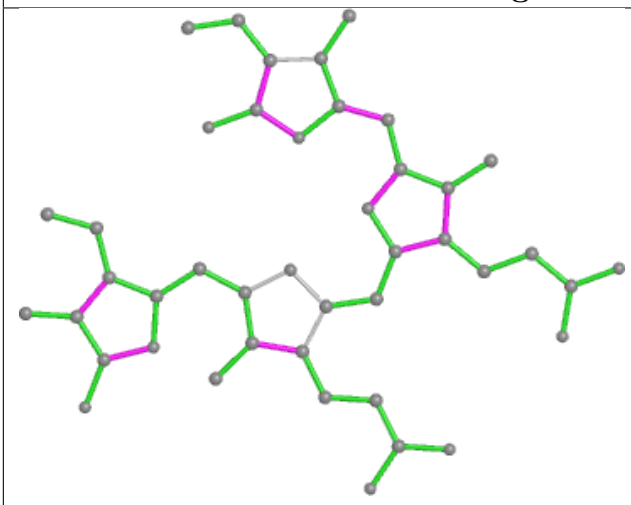

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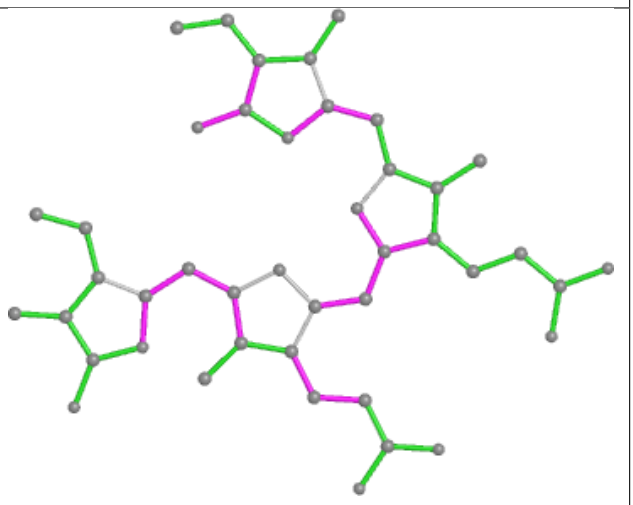

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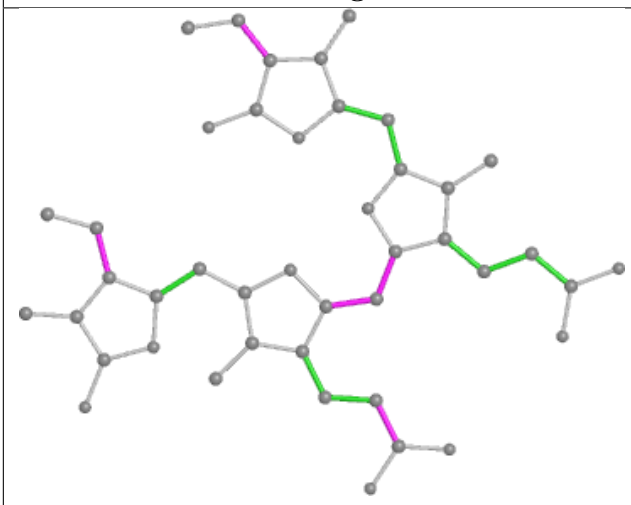

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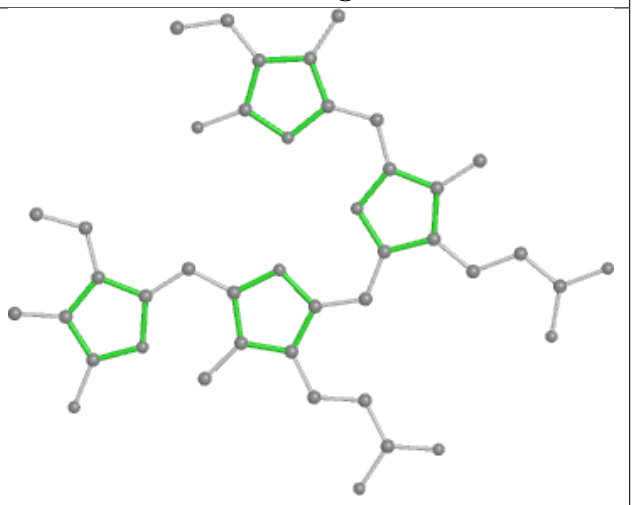
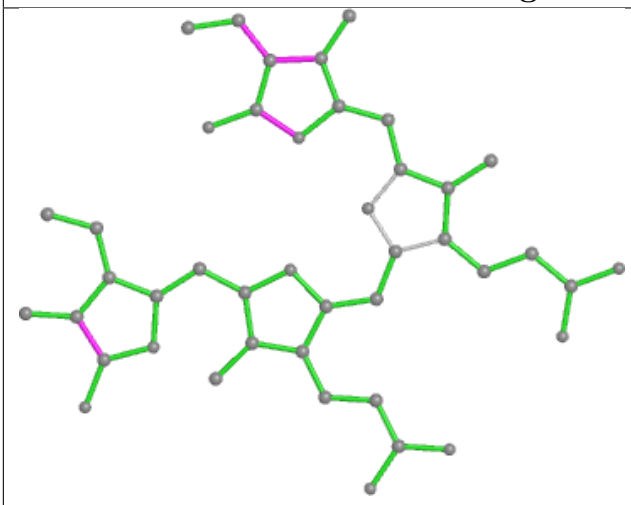


Rings

Ligand PEB gg 201



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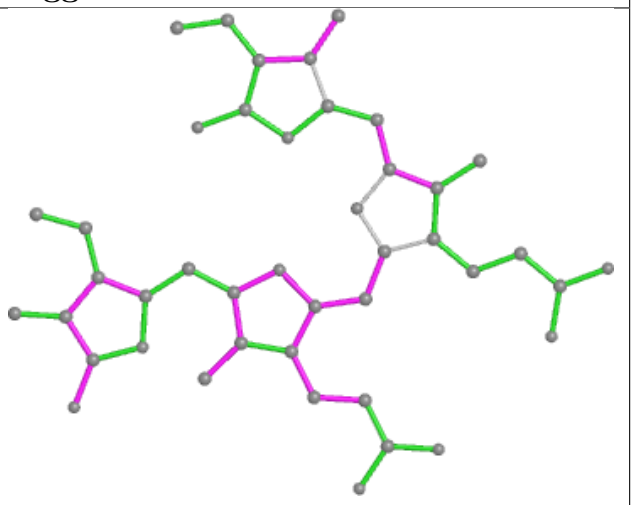

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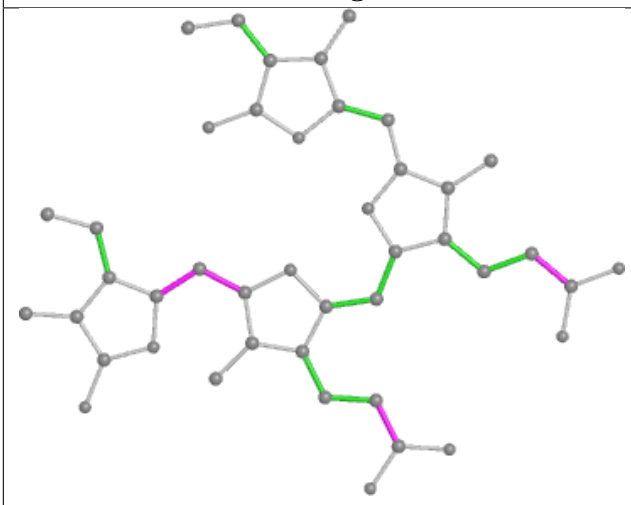

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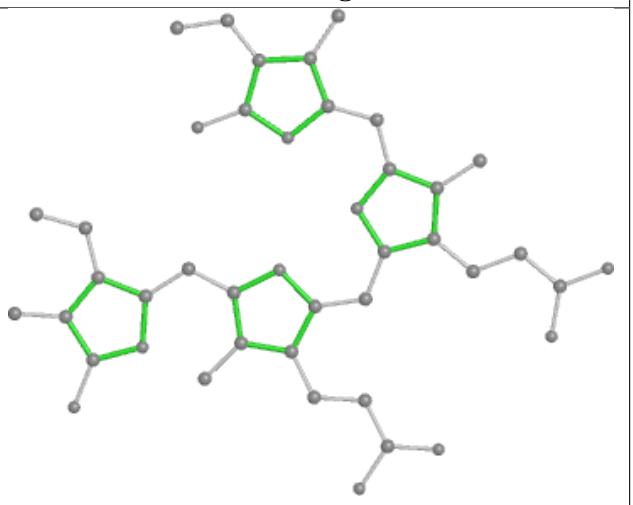
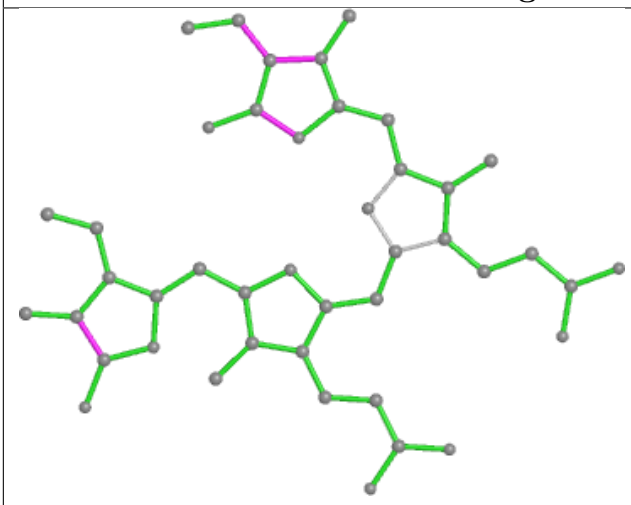


Rings

Ligand PEB n4 201



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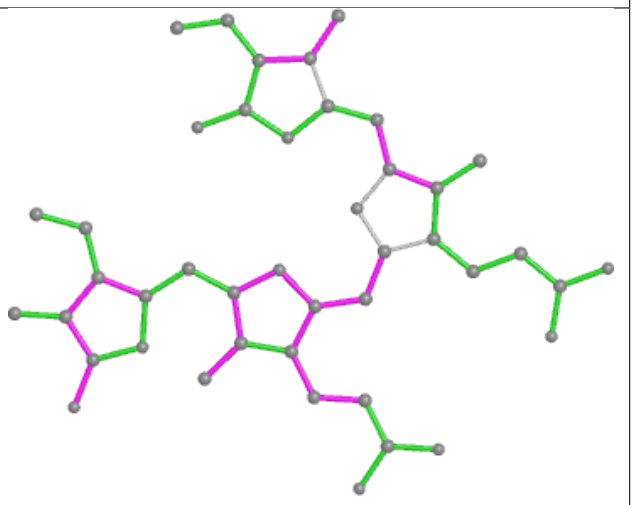

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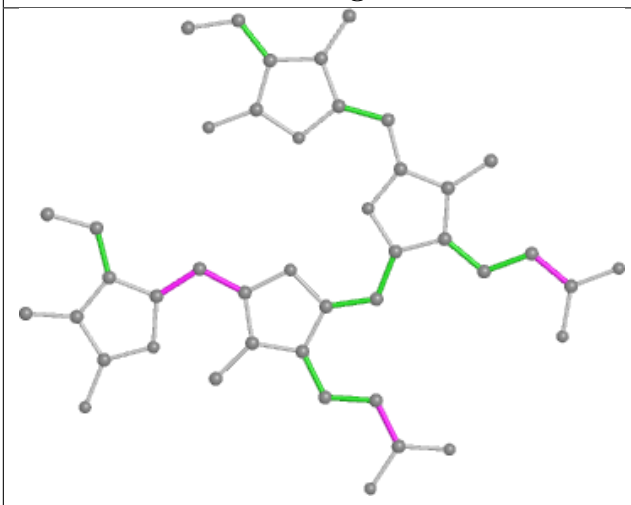

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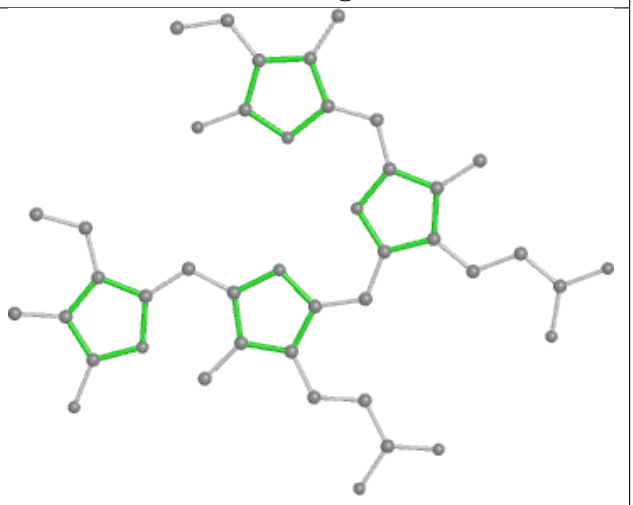
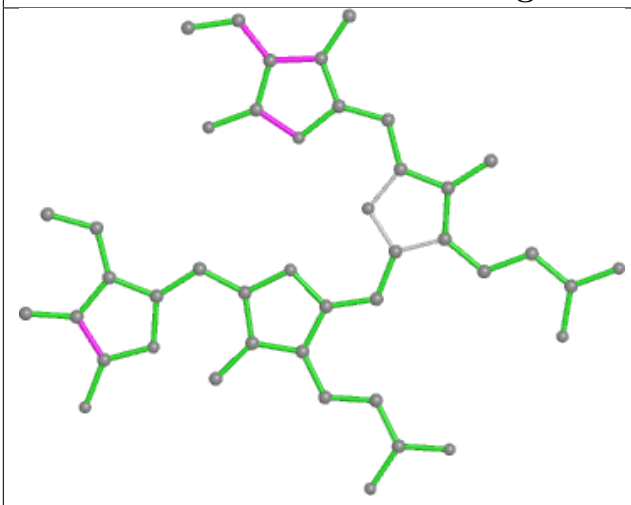


Rings

Ligand PEB jI 1001



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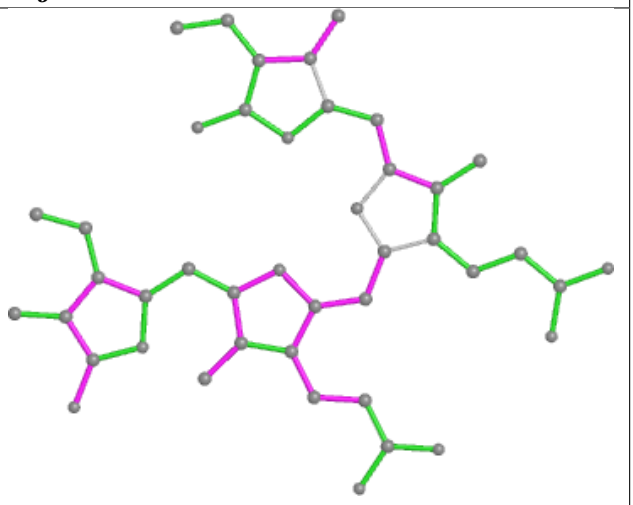
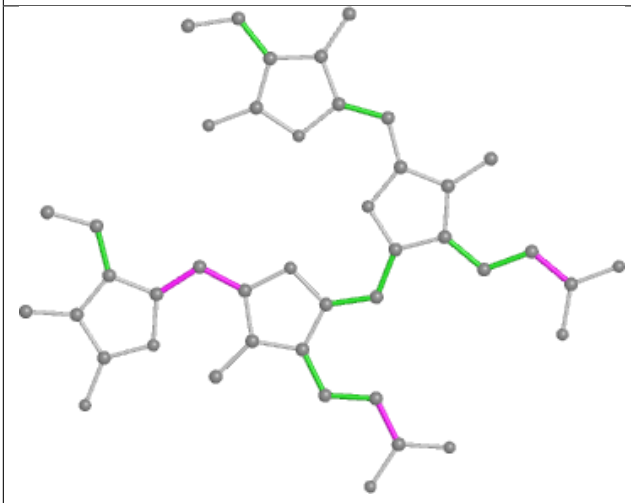
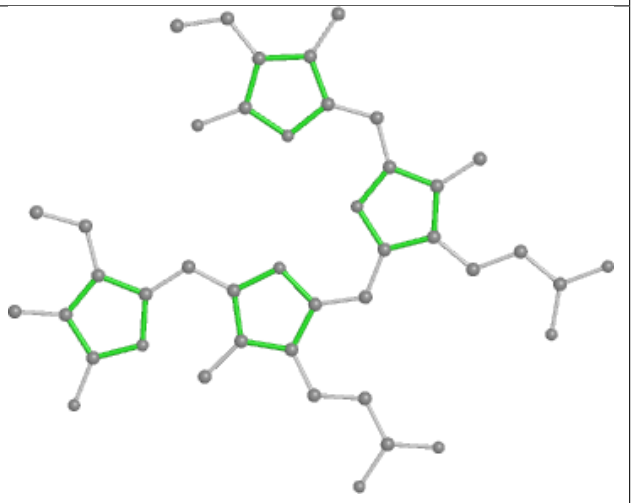


Bond angles

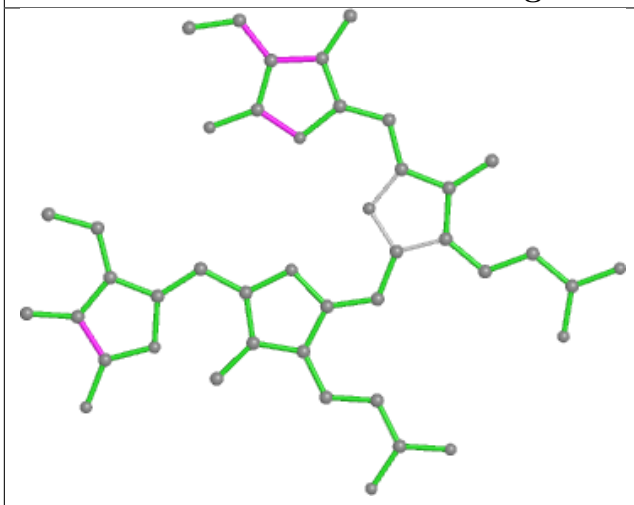


Torsions



Rings

Ligand PEB lv 201



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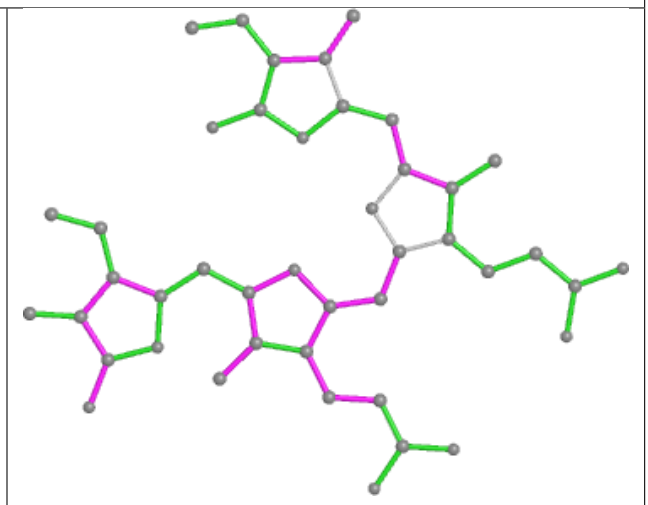

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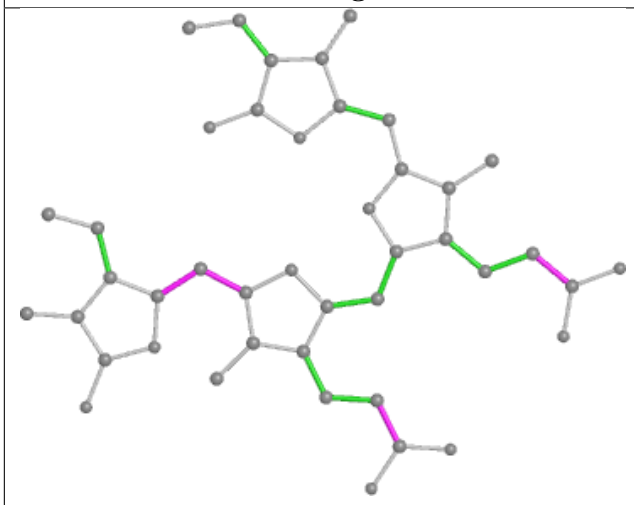

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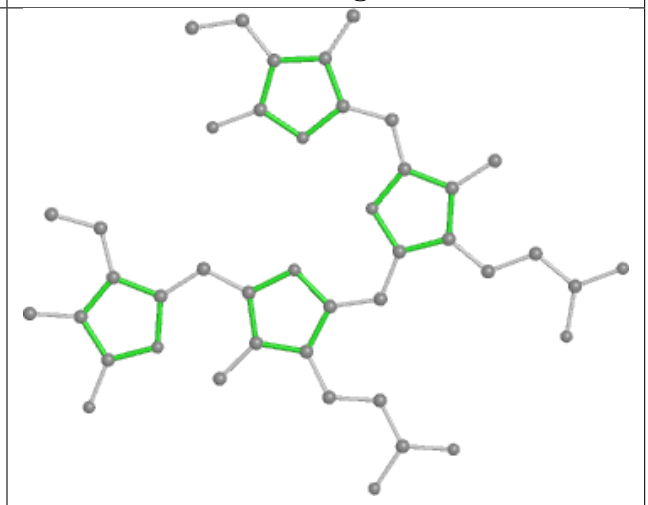
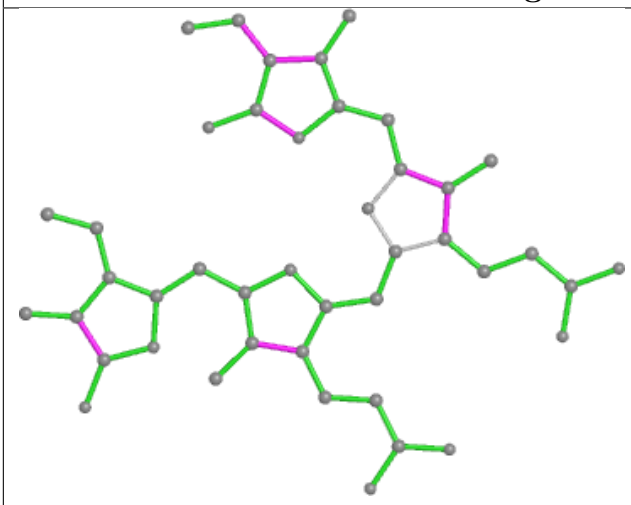


Rings

Ligand PEB fc 202



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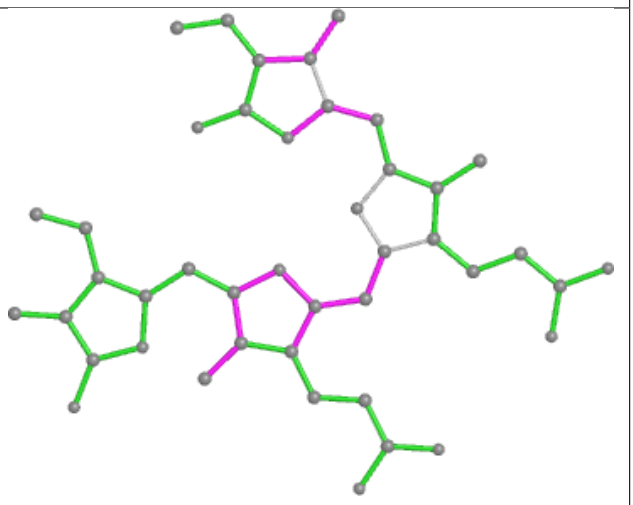

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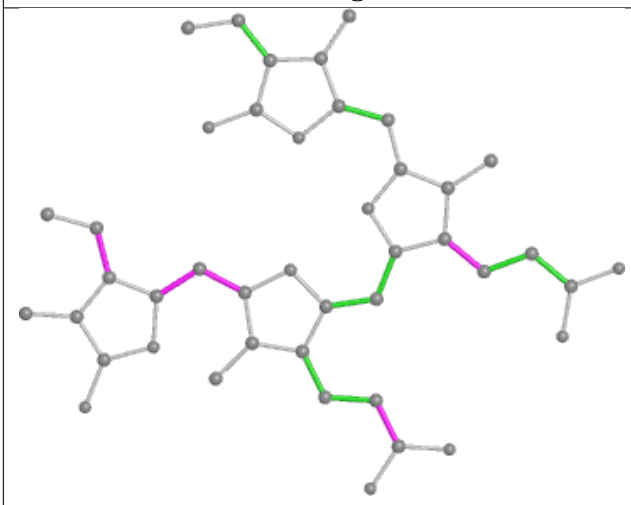

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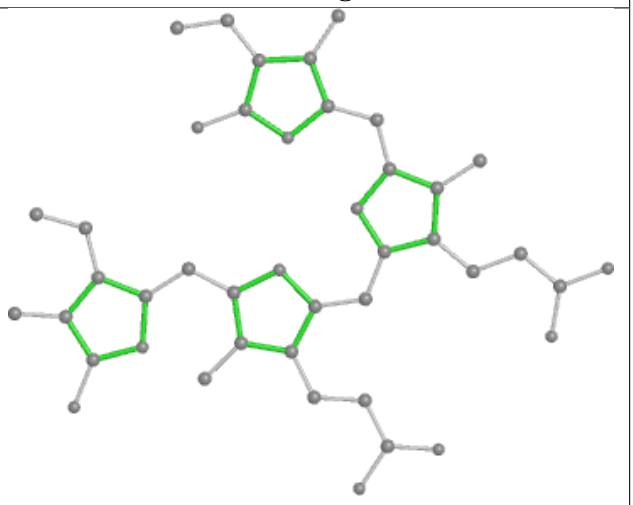
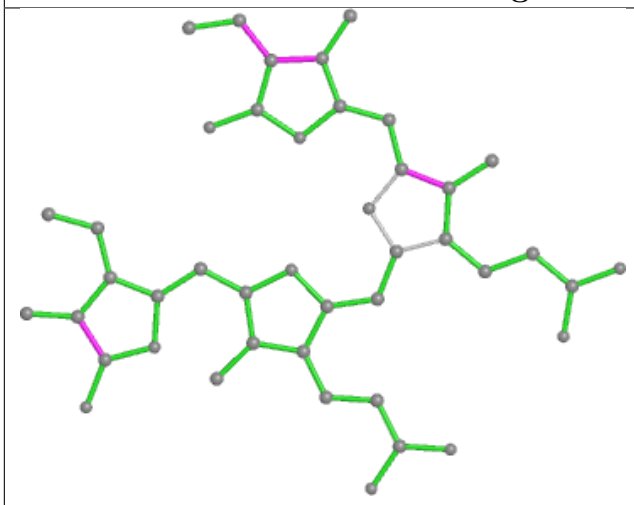


Rings

Ligand PEB iA 1002



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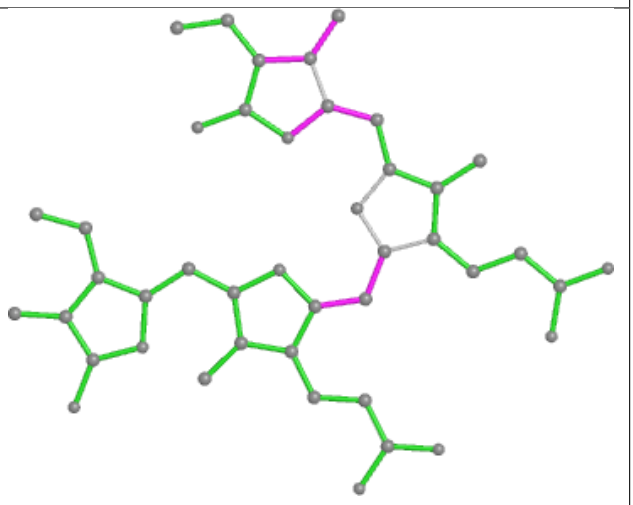

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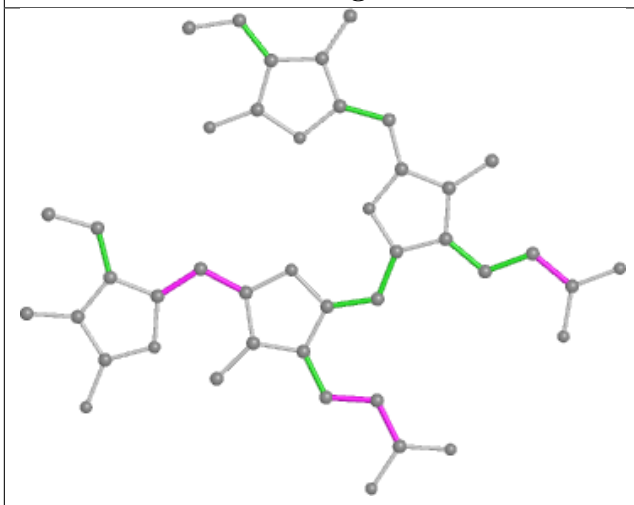

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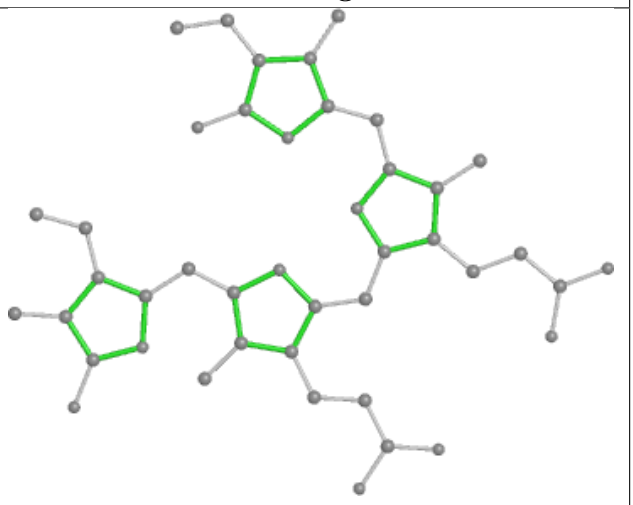
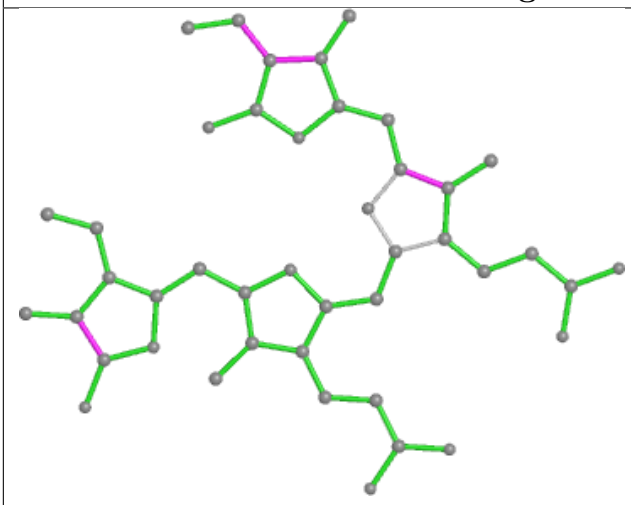


Rings

Ligand PEB S5 202



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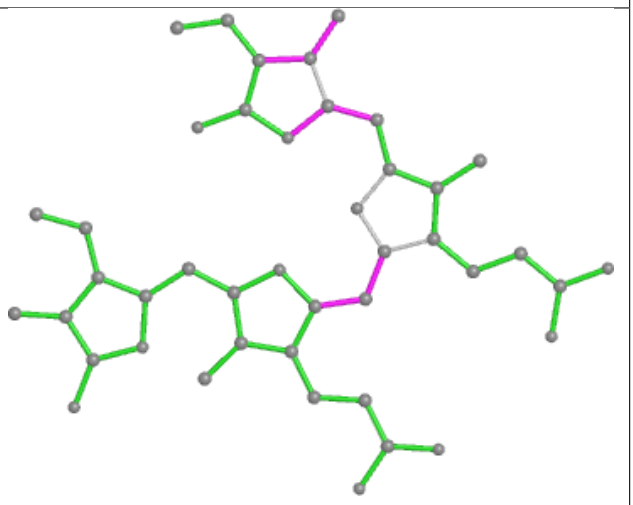

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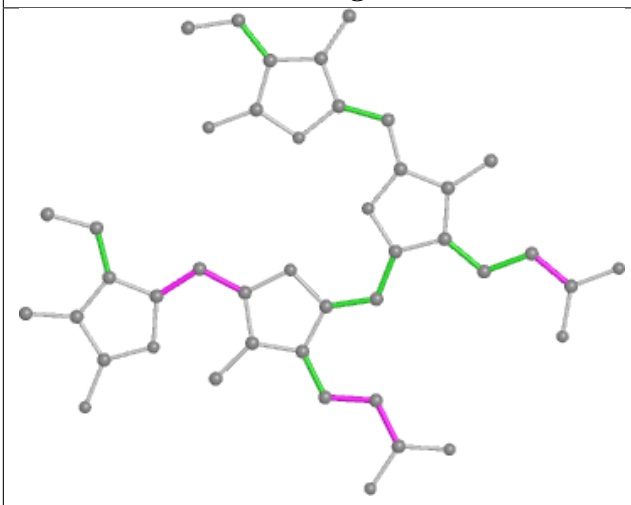

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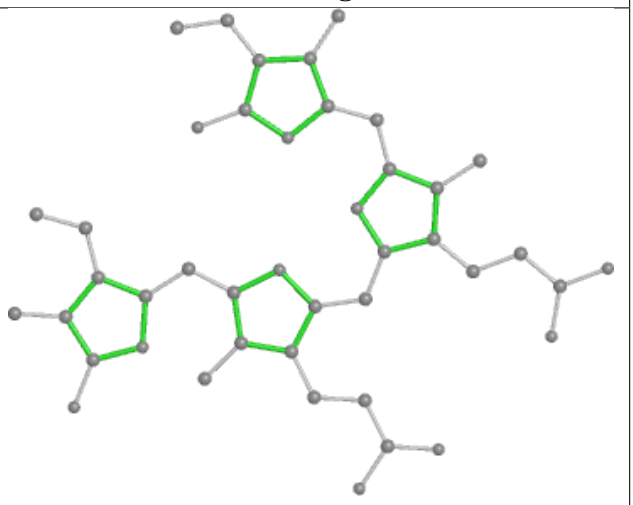

Rings

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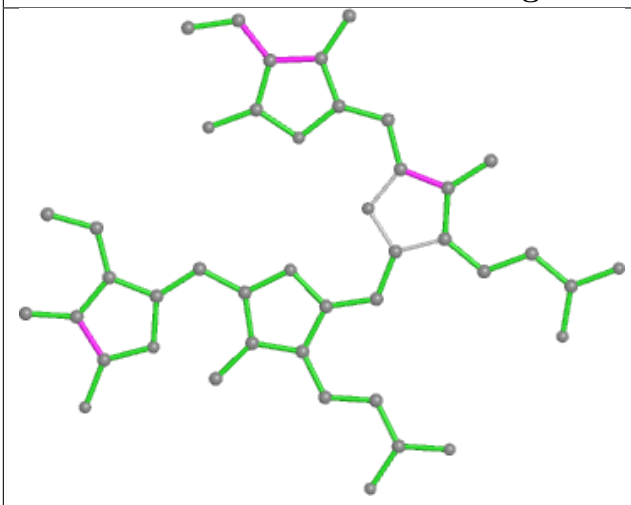

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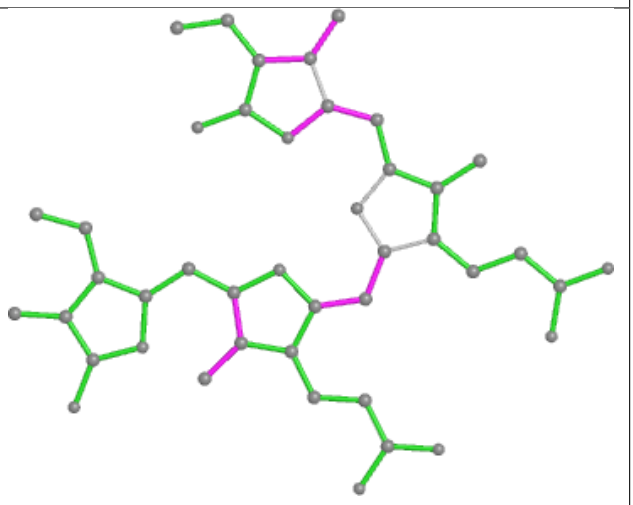

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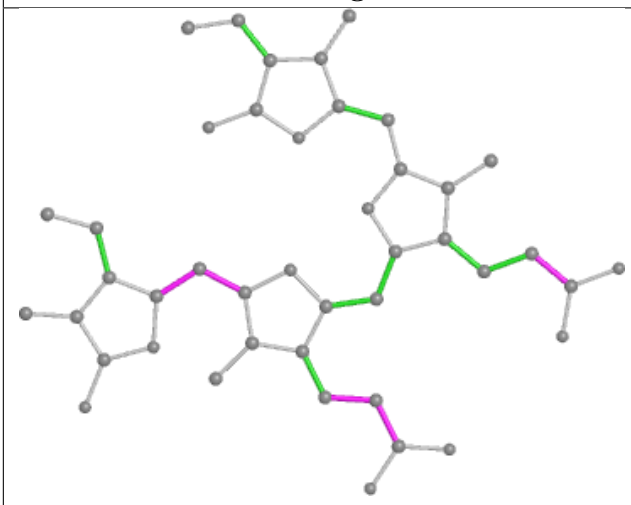

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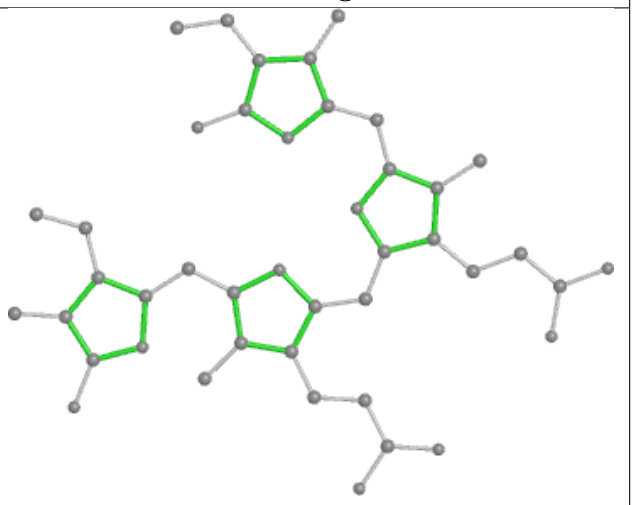
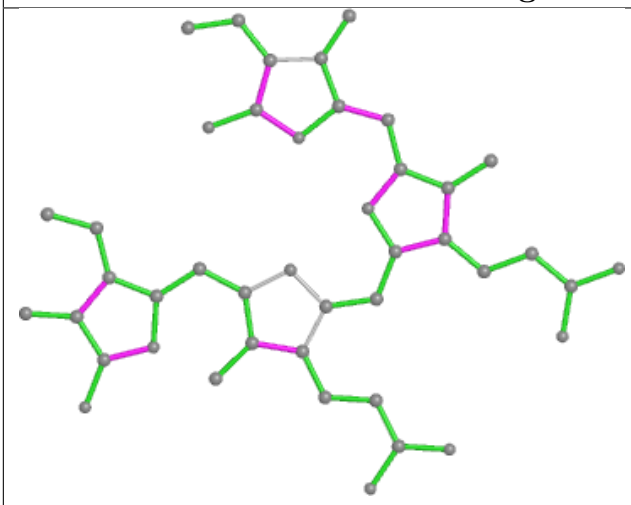


Rings

Ligand PUB e8 304



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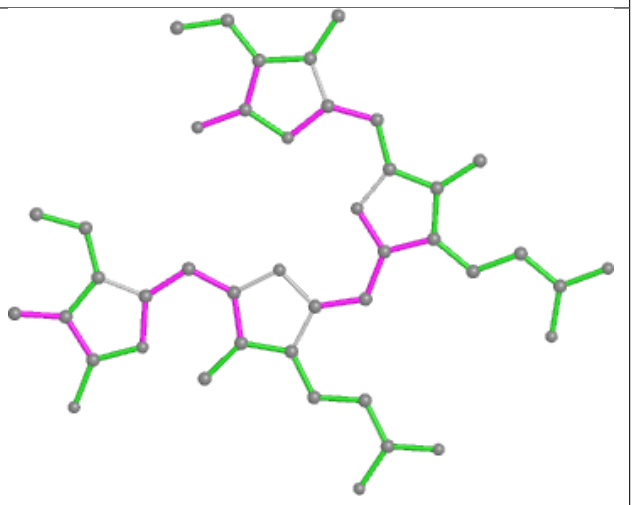

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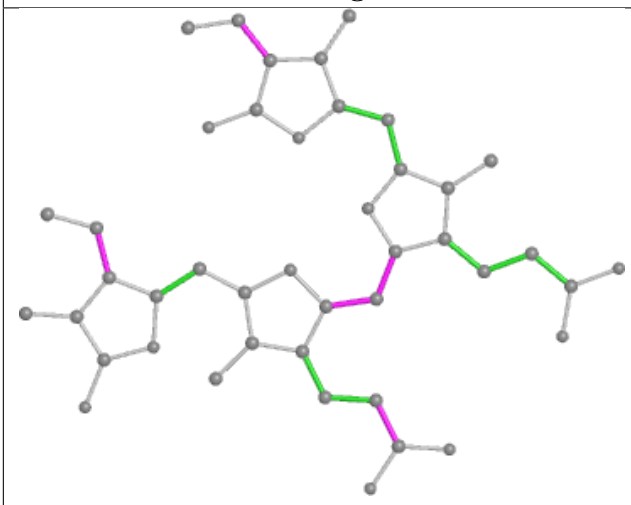

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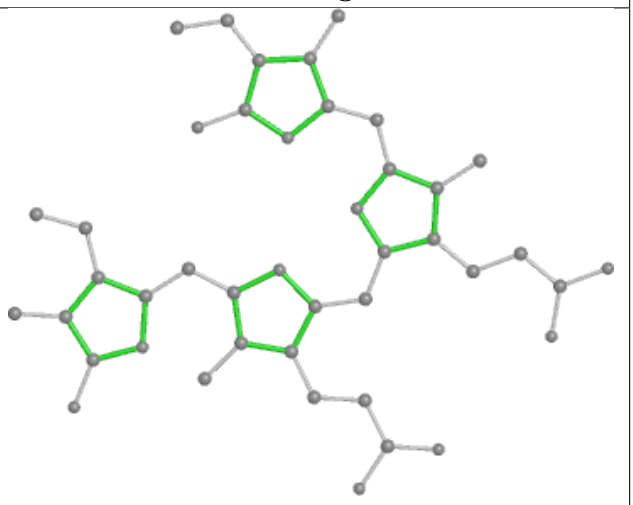
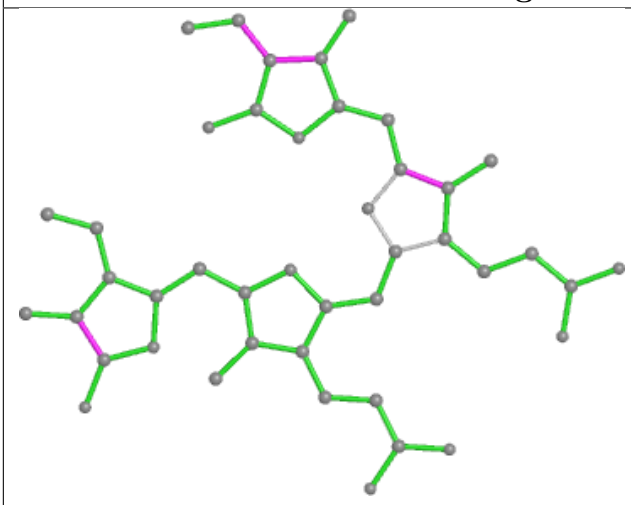


Rings

Ligand PEB Q5 202



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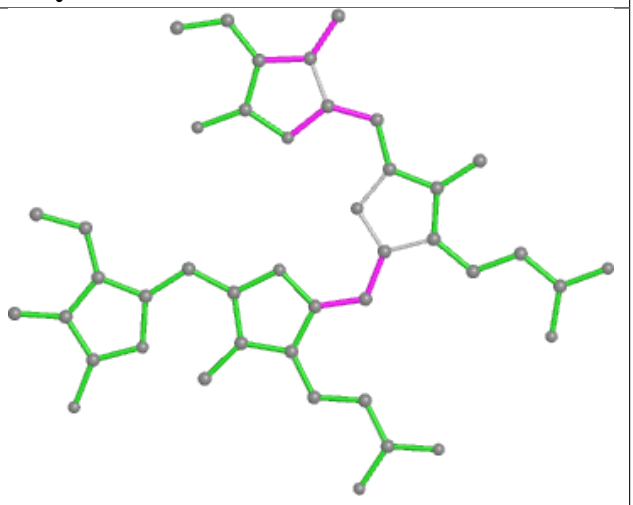

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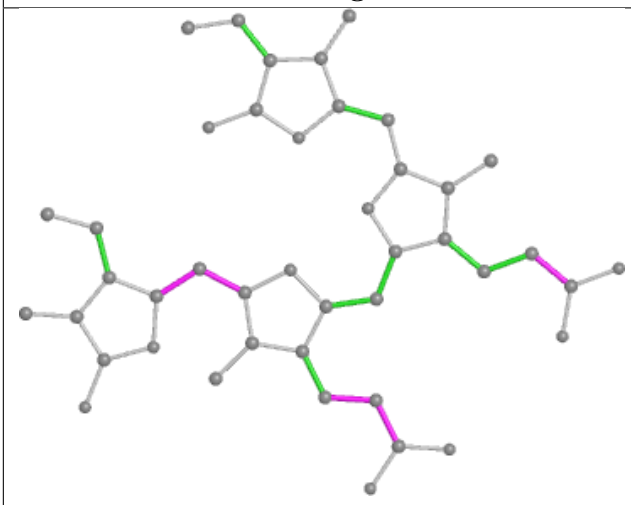

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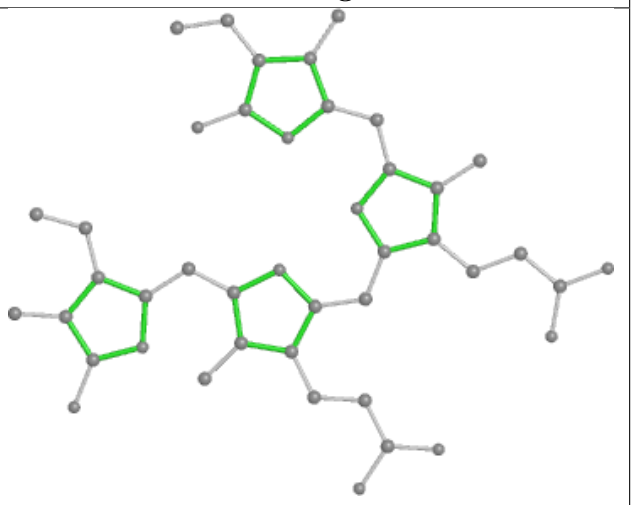
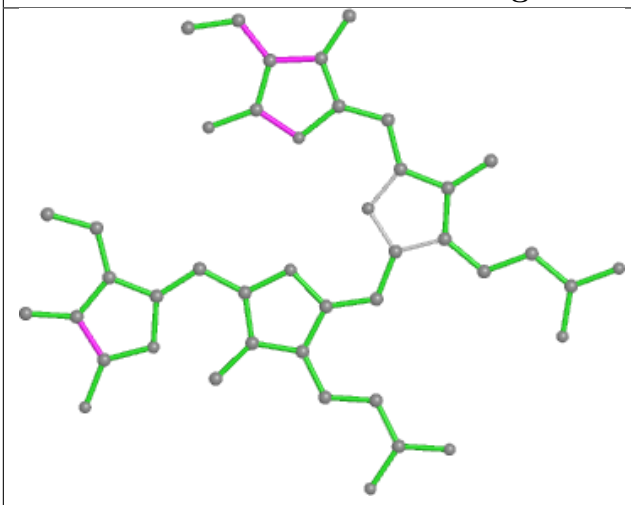


Rings

Ligand PEB aa 1001



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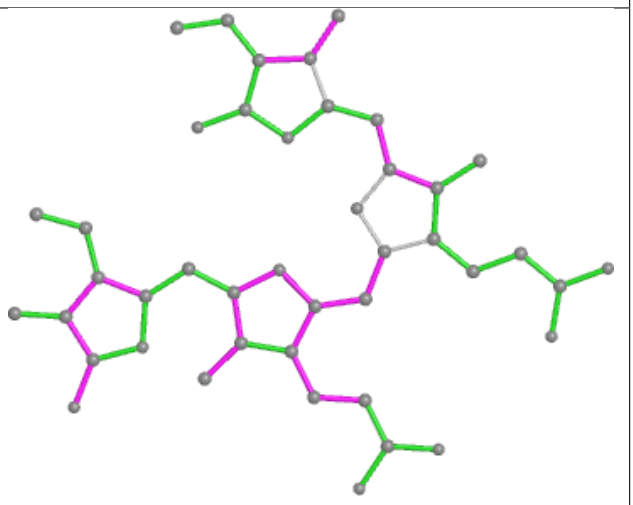
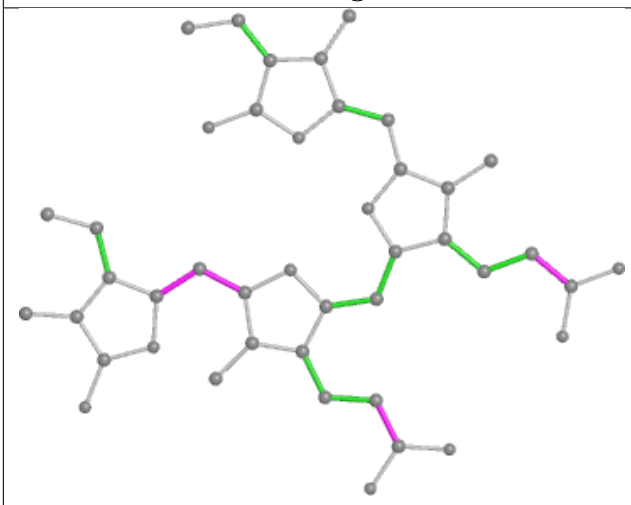


Bond angles



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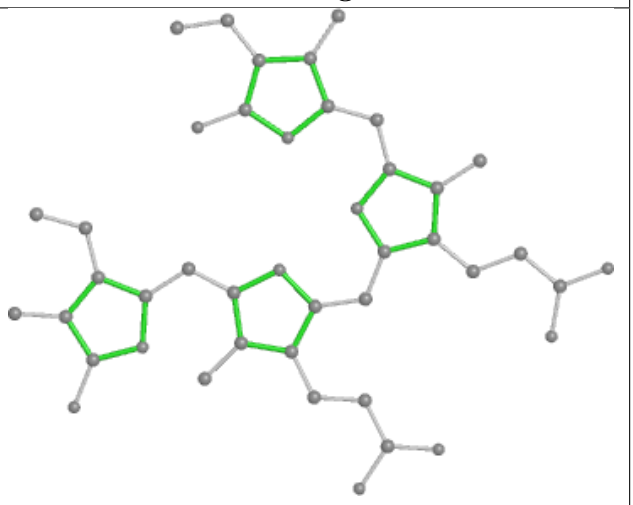
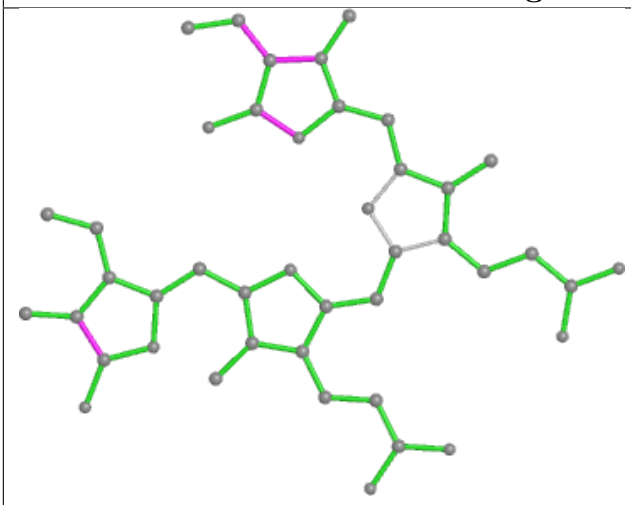


Rings

Ligand PEB lr 201



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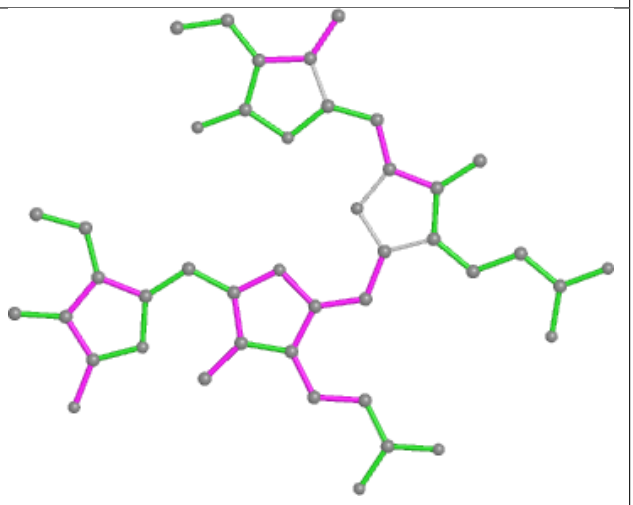

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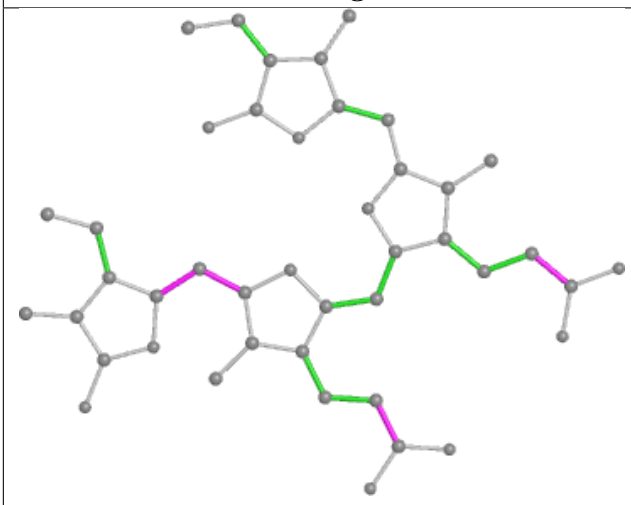

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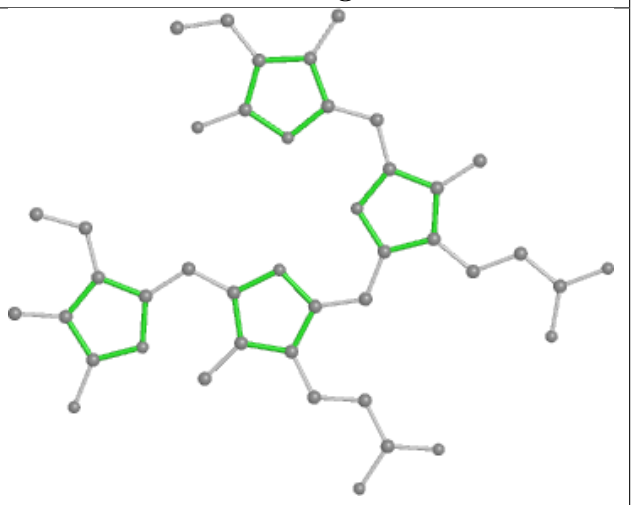
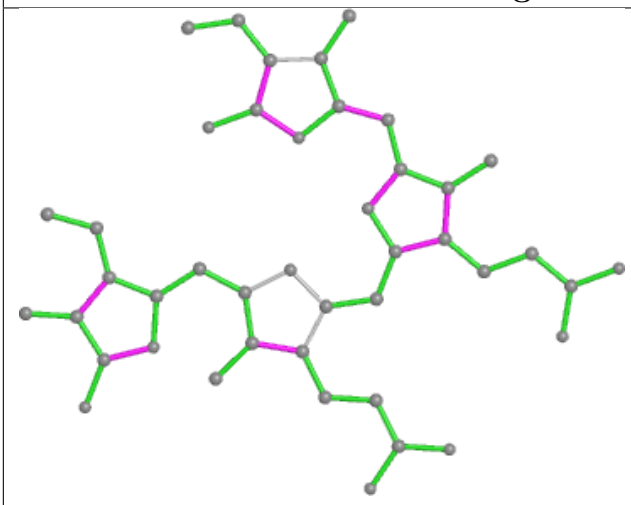


Rings

Ligand PUB hT 203



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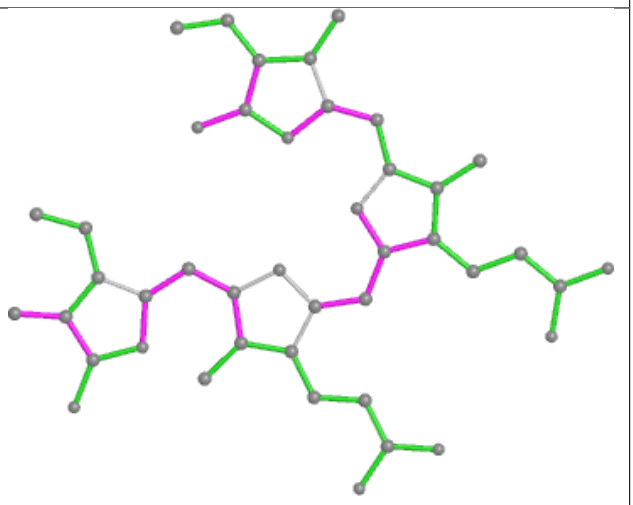

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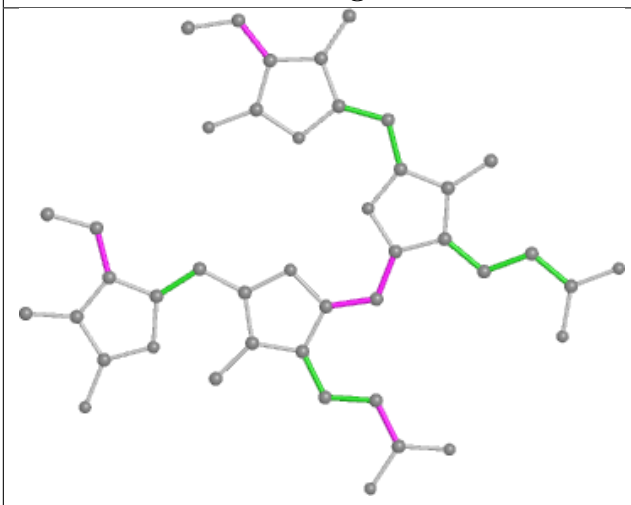

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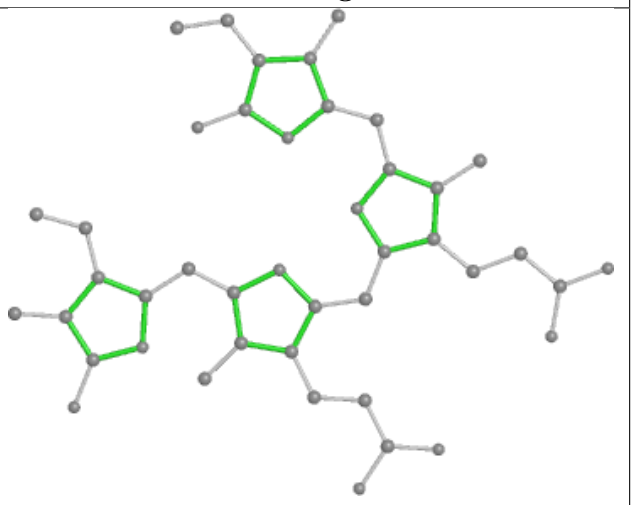
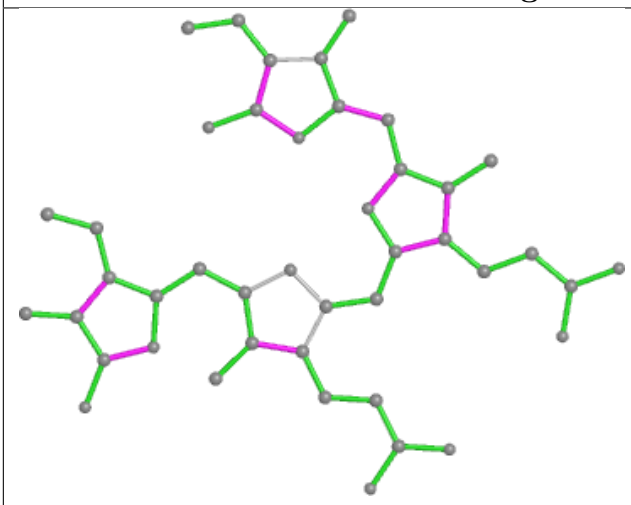


Rings

Ligand PUB lb 203



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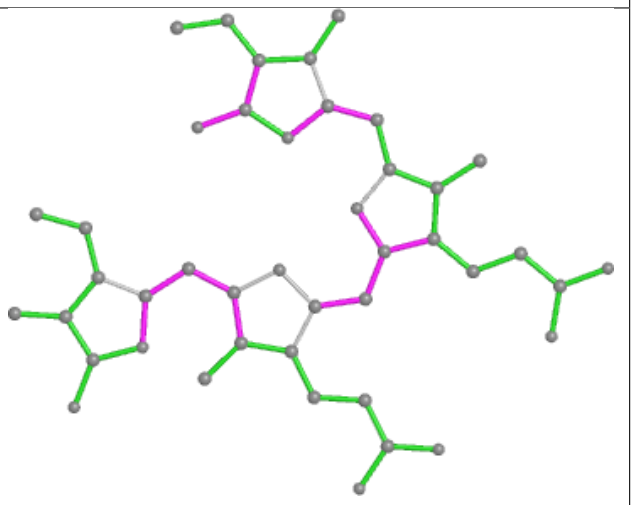
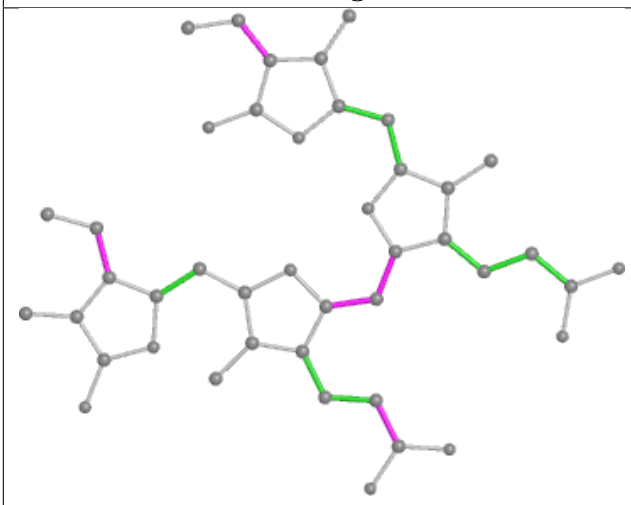
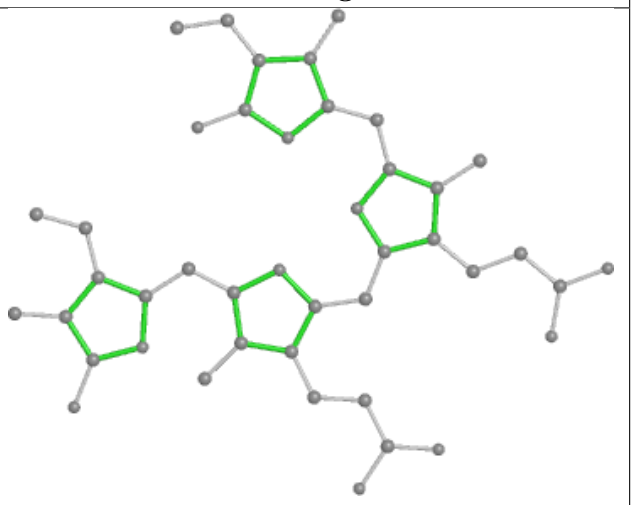


Bond angles

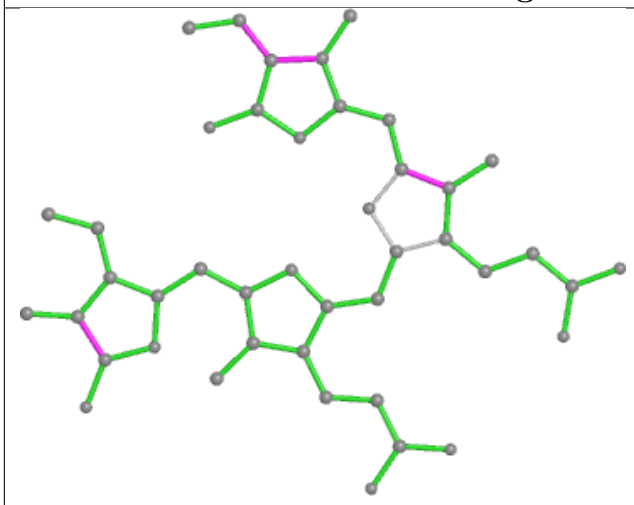


Torsions



Rings

Ligand PEB Q3 202



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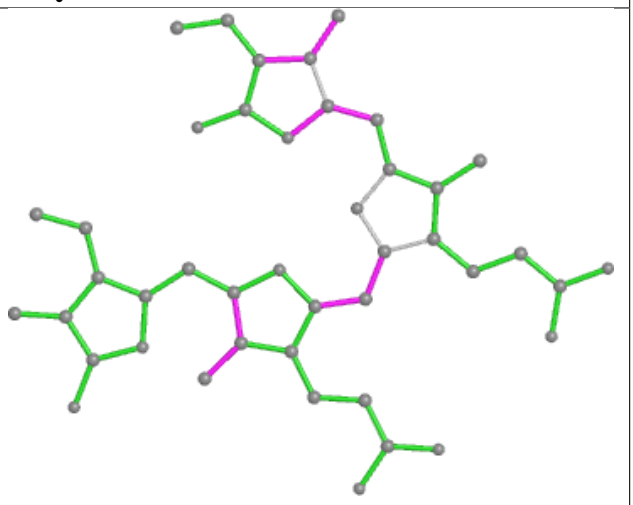

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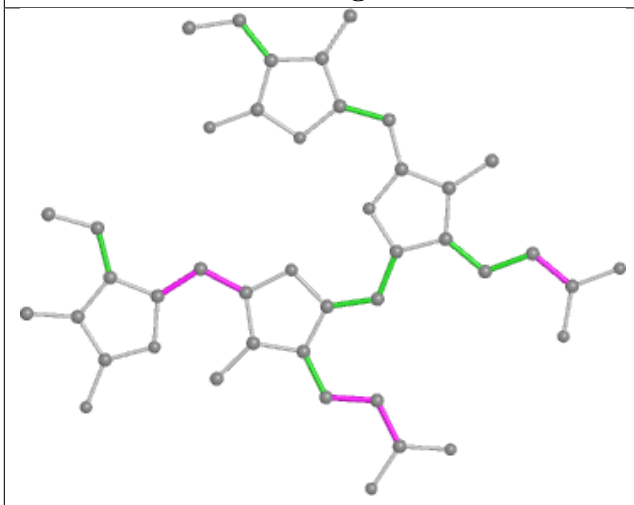

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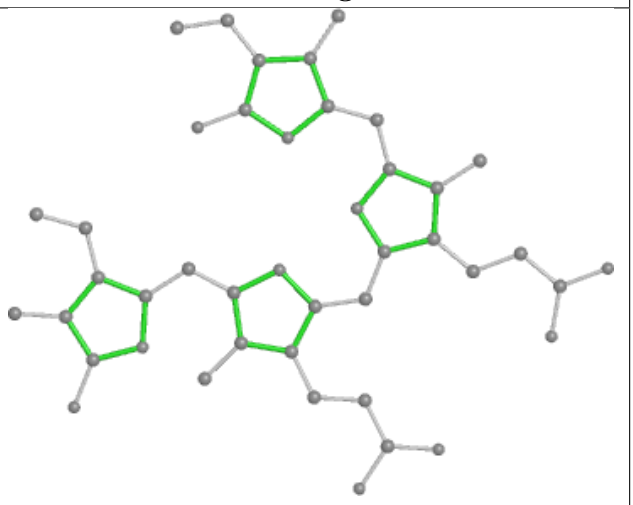
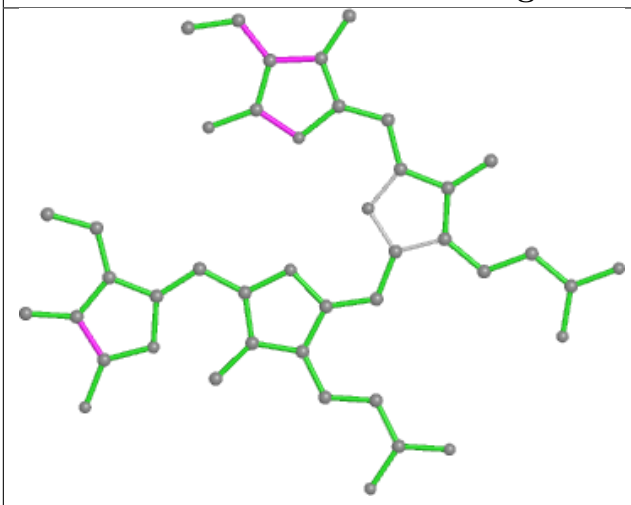


Rings

Ligand PEB cP 201



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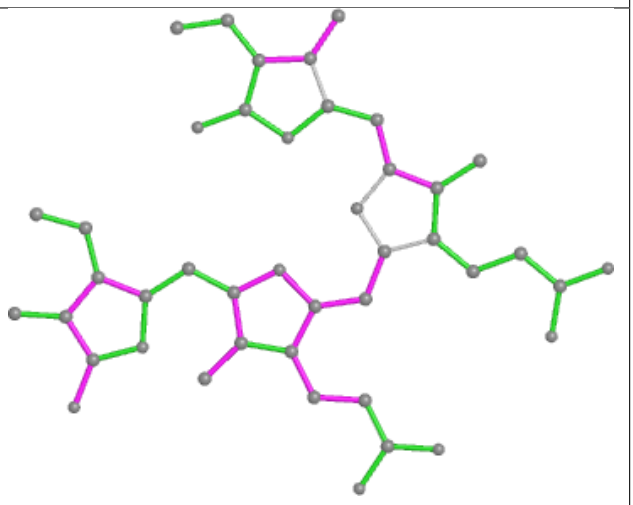
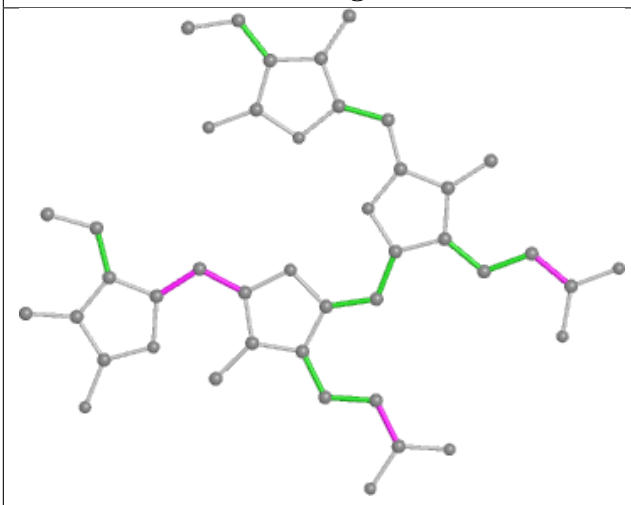
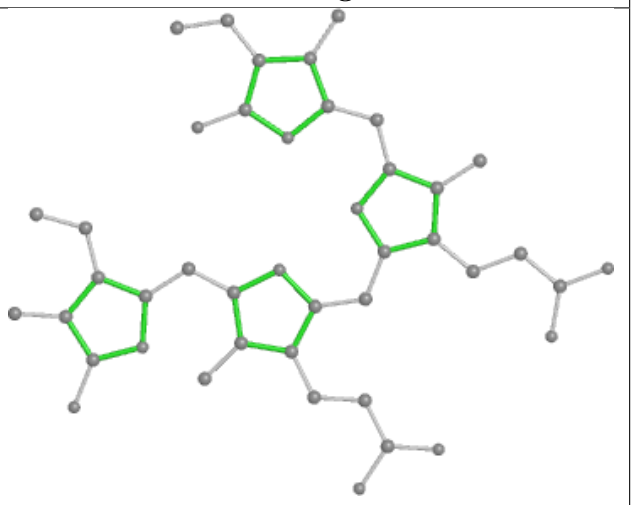


Bond angles

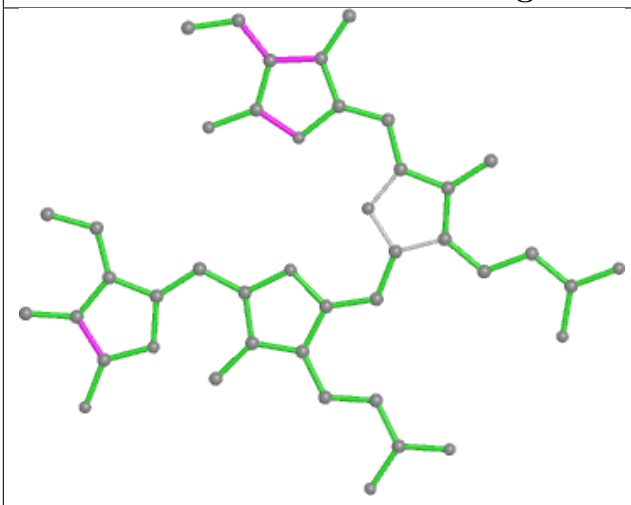


Torsions



Rings

Ligand PEB P2 201



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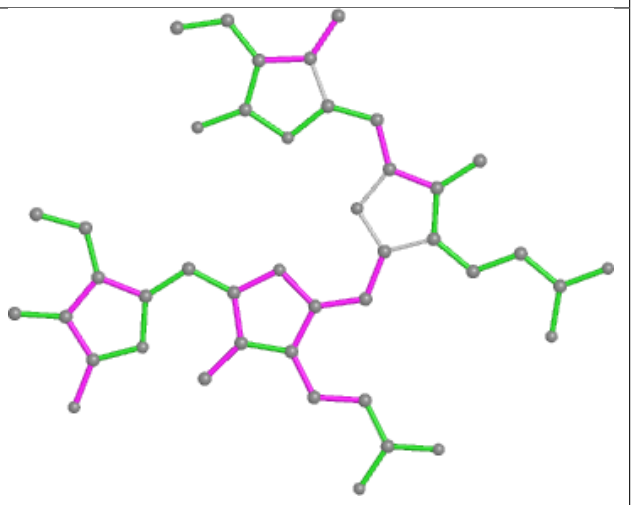
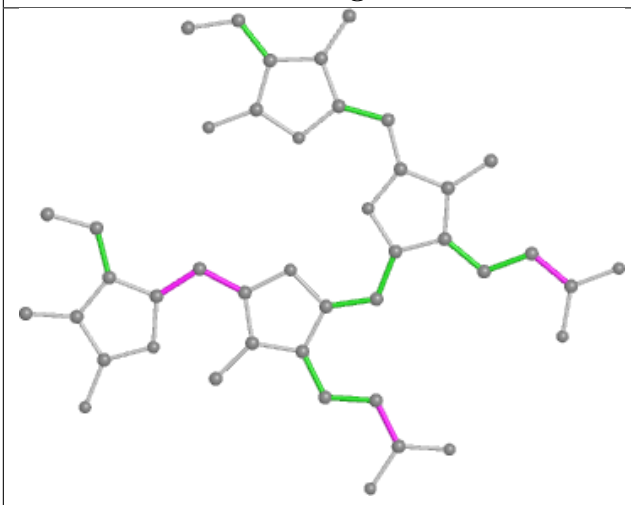


Bond angles



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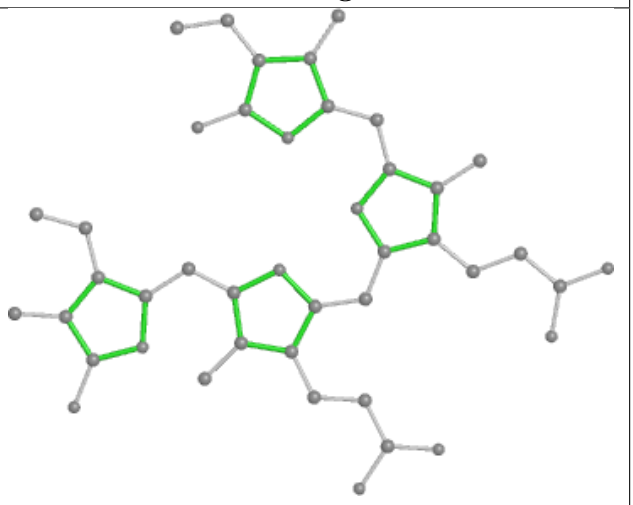
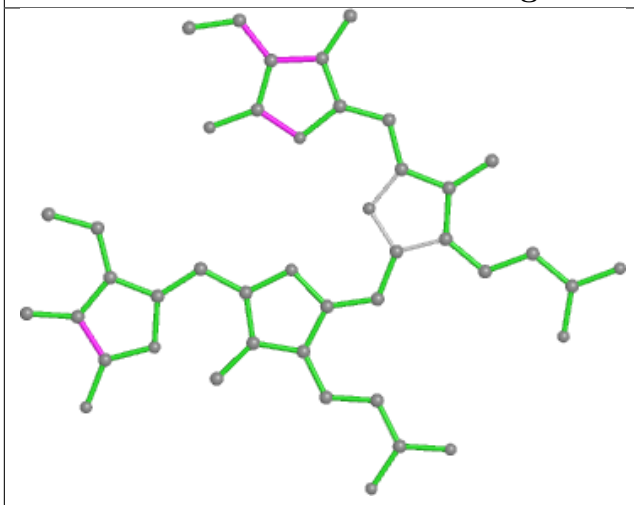


Rings

Ligand PEB k9 201



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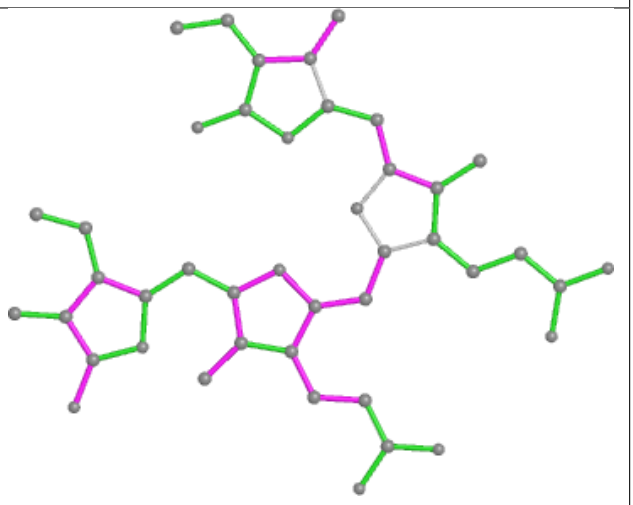

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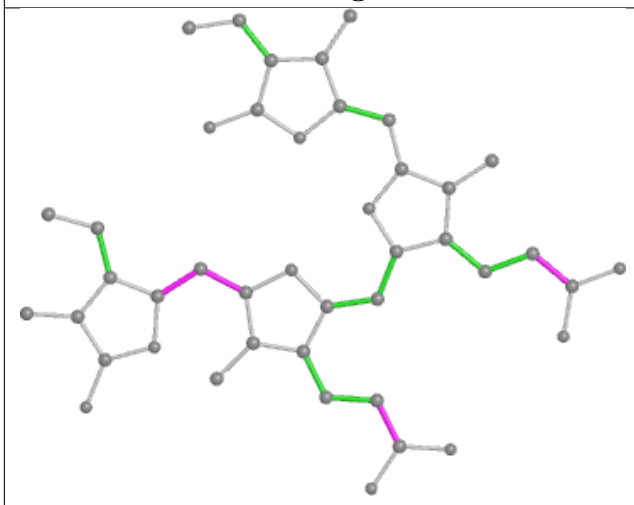

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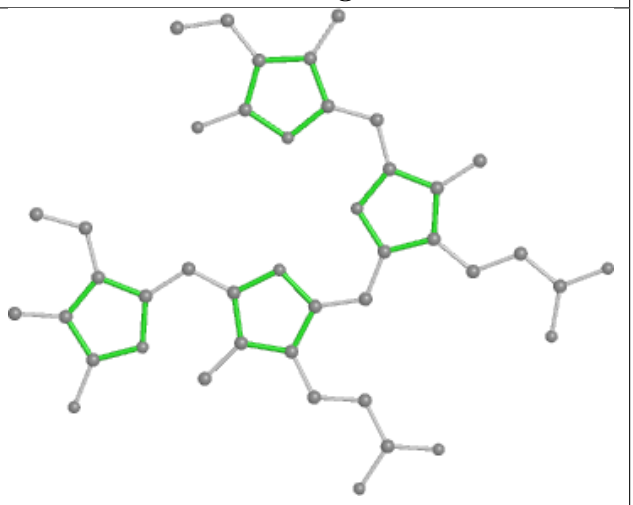
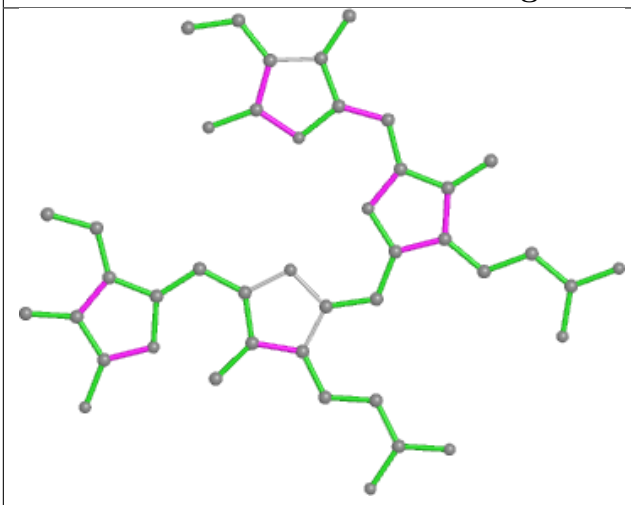


Rings

Ligand PUB ld 203



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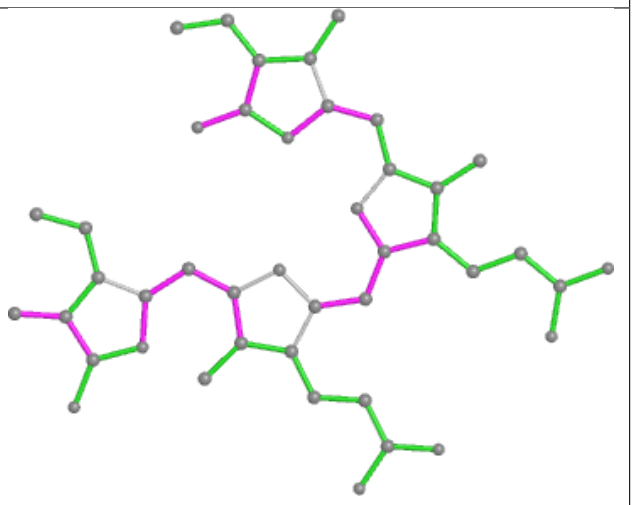

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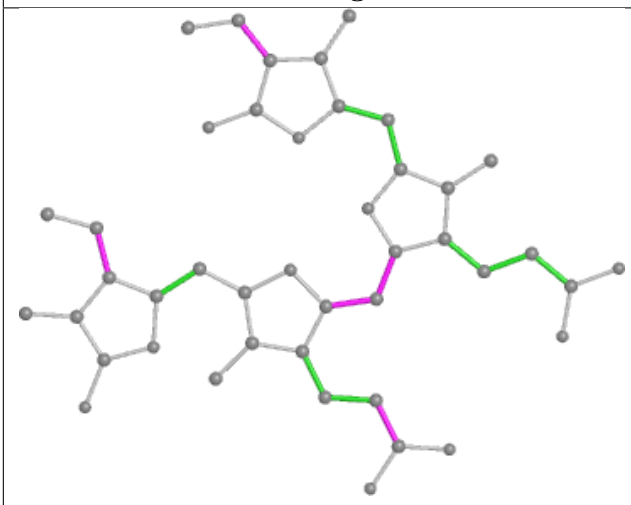

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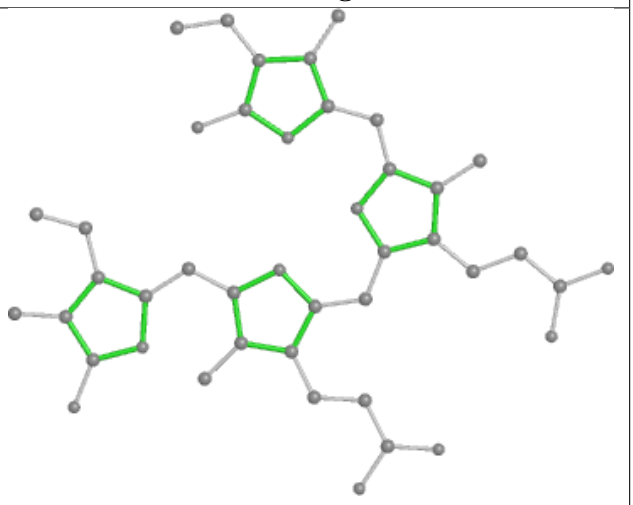
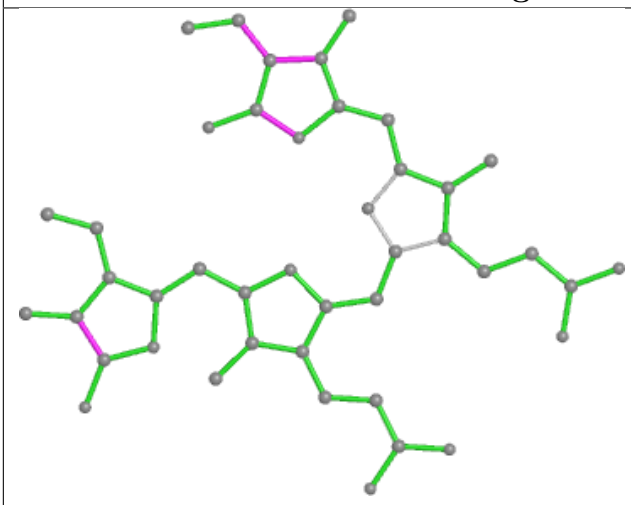


Rings

Ligand PEB iF 1001



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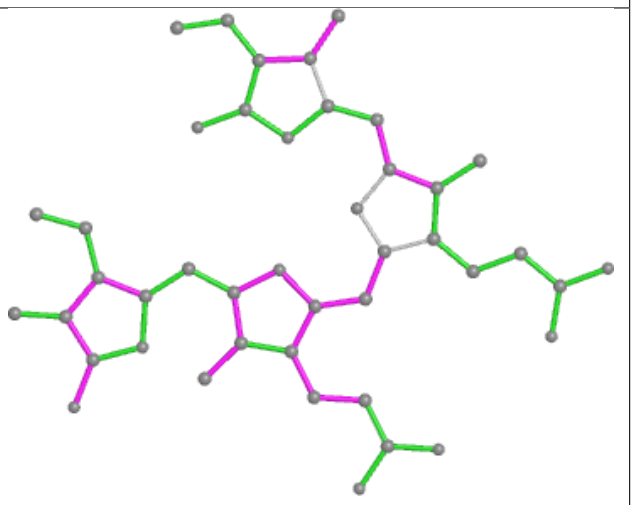
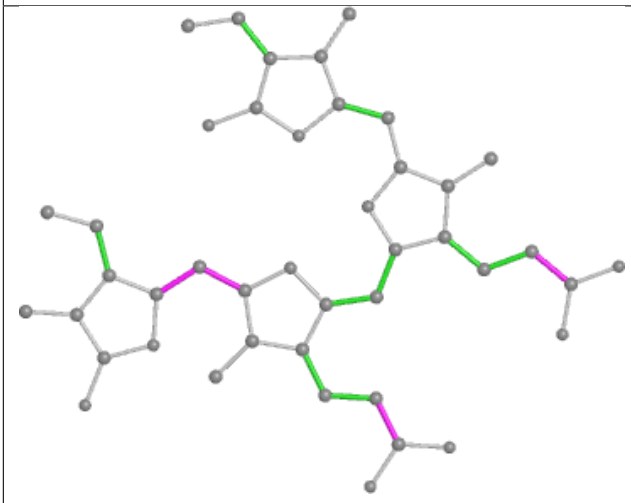


Bond angles



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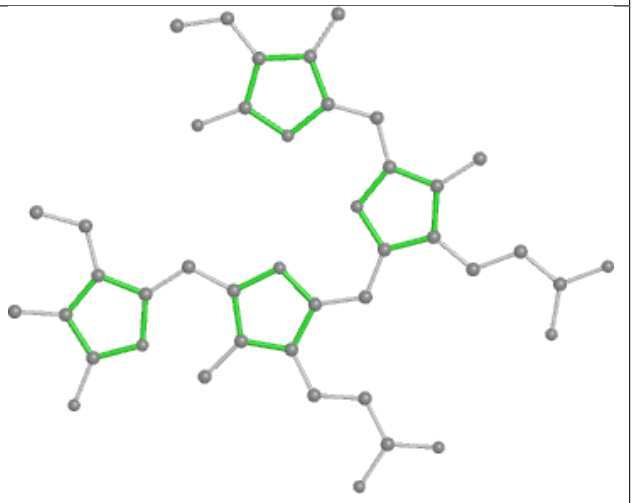
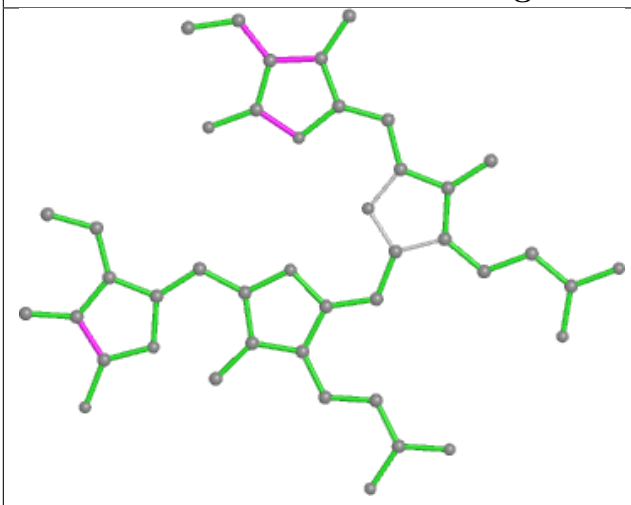


Rings

Ligand PEB bD 201



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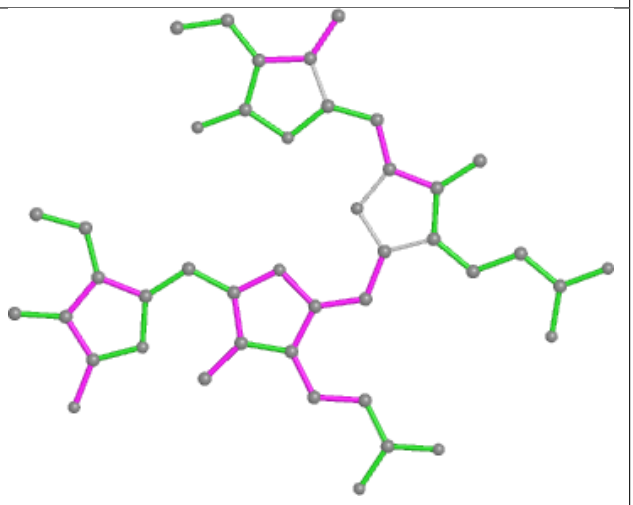

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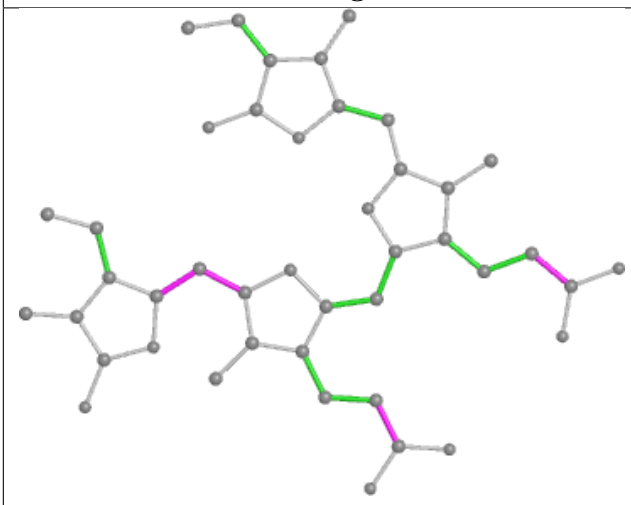

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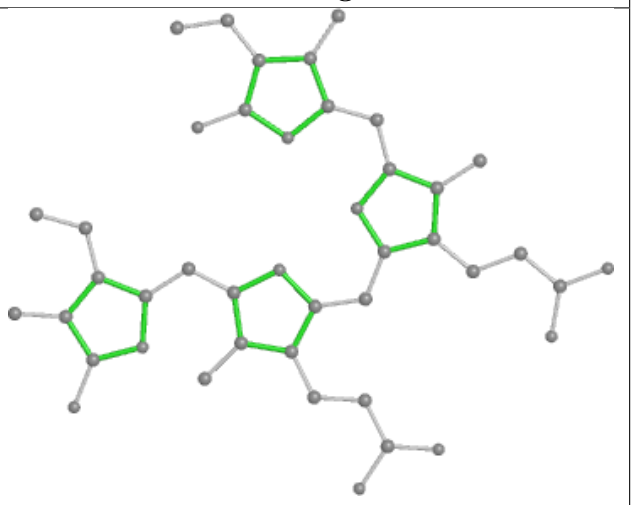
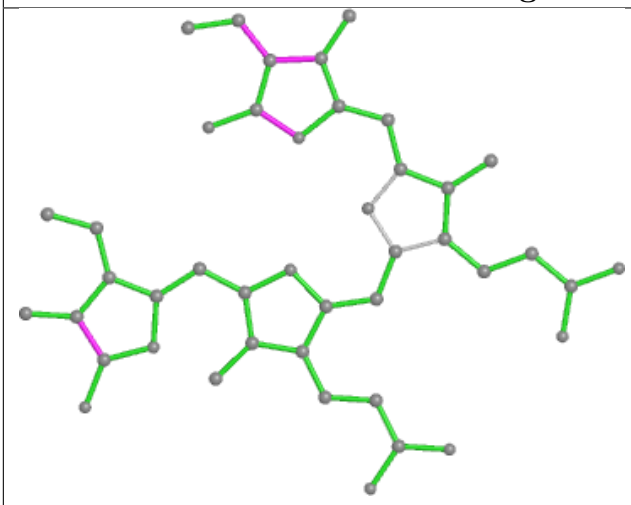


Rings

Ligand PEB v8 202



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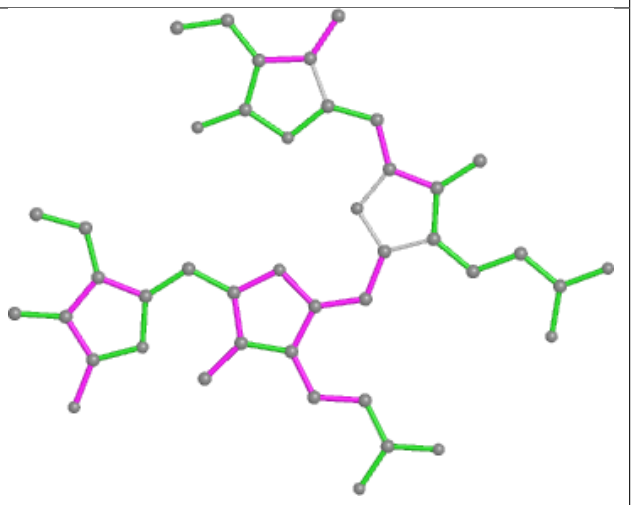

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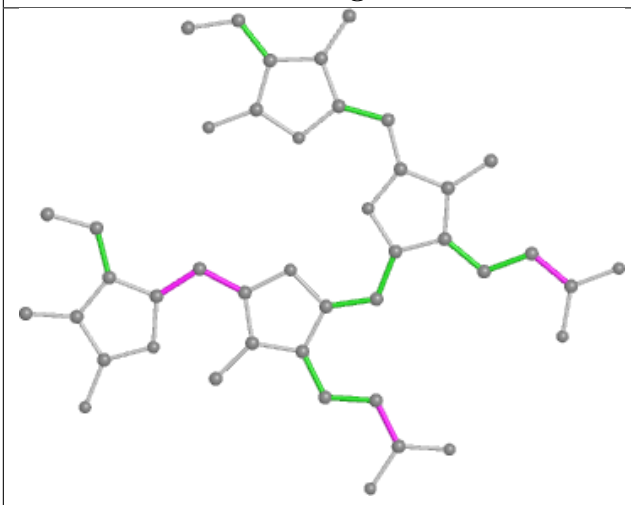

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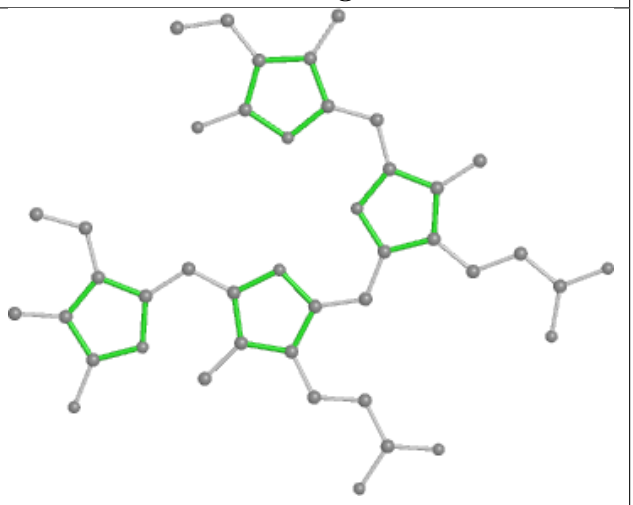
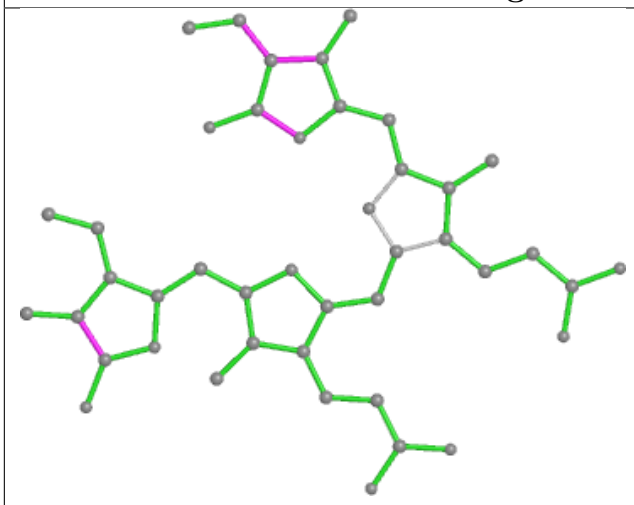


Rings

Ligand PEB U8 1001



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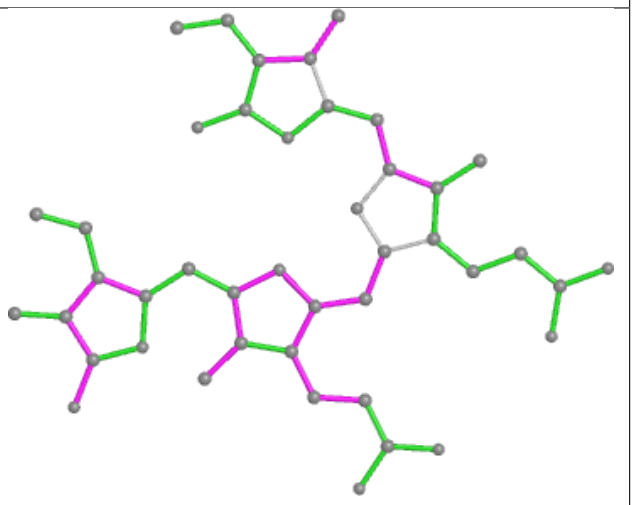

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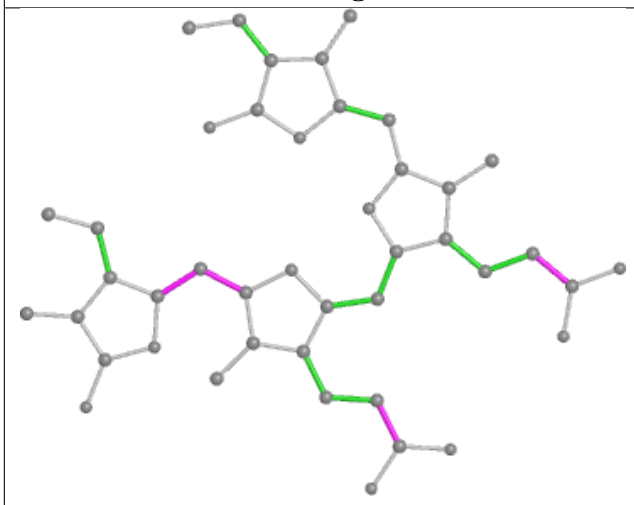

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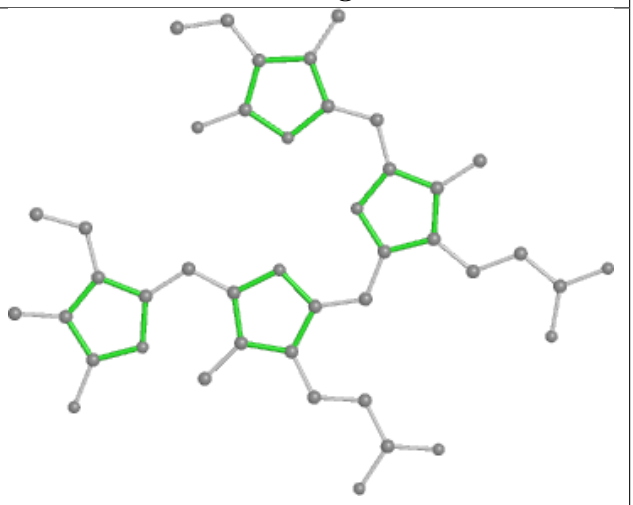
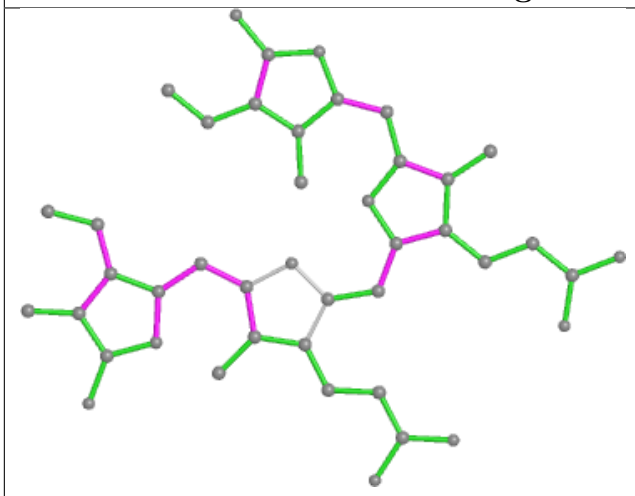


Rings

Ligand PVN hZ 403



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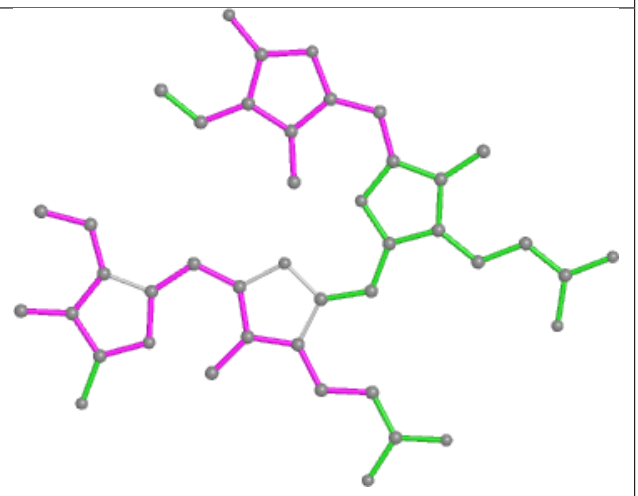

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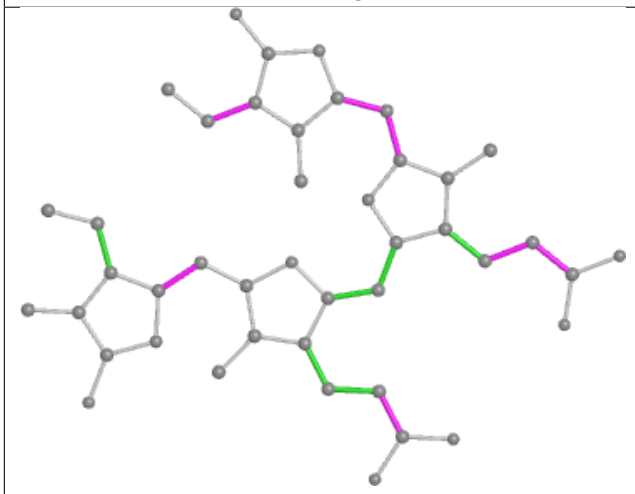

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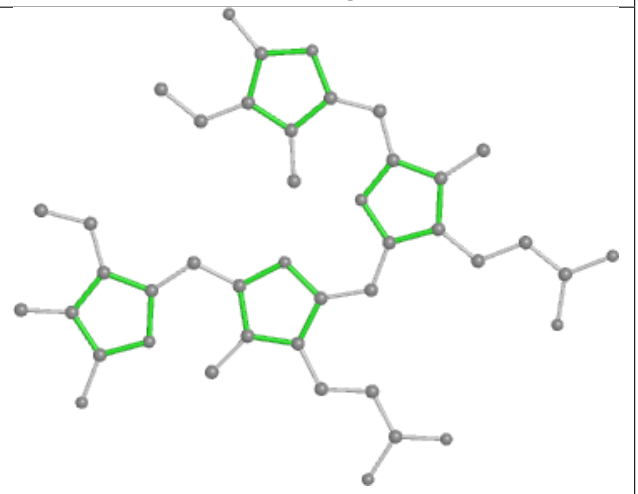
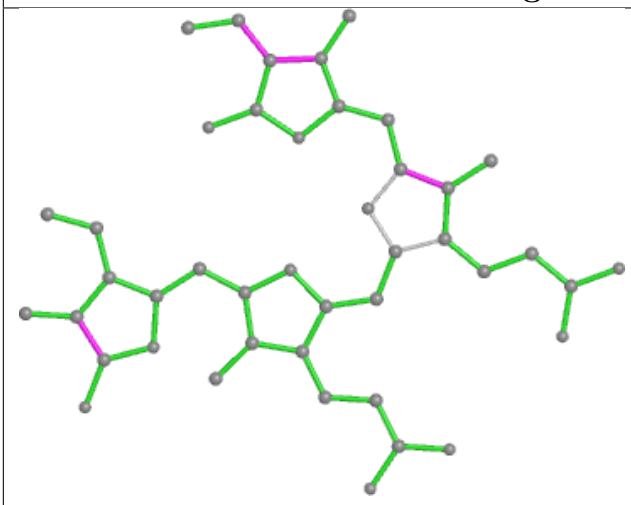


Rings

Ligand PEB lk 202



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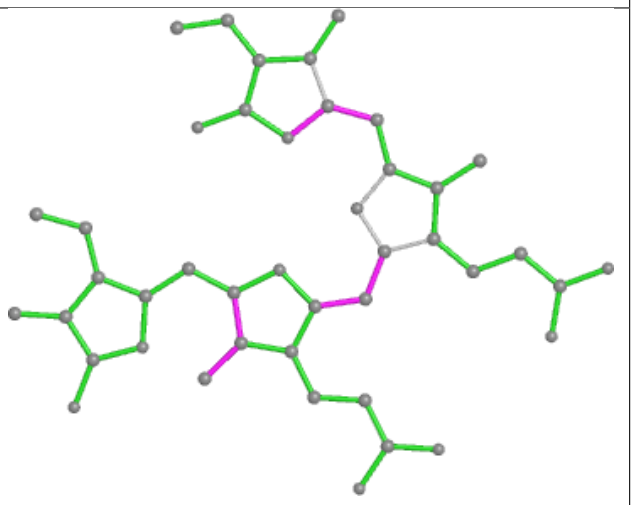

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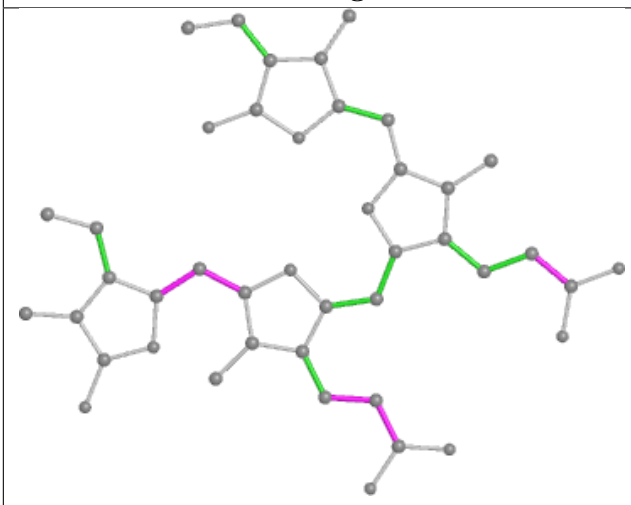

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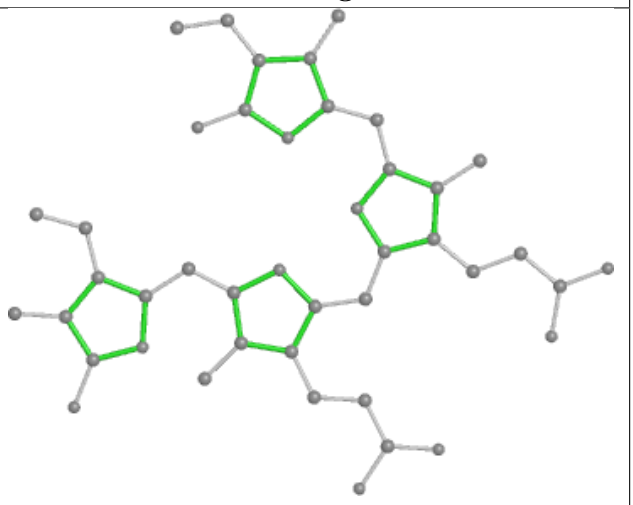
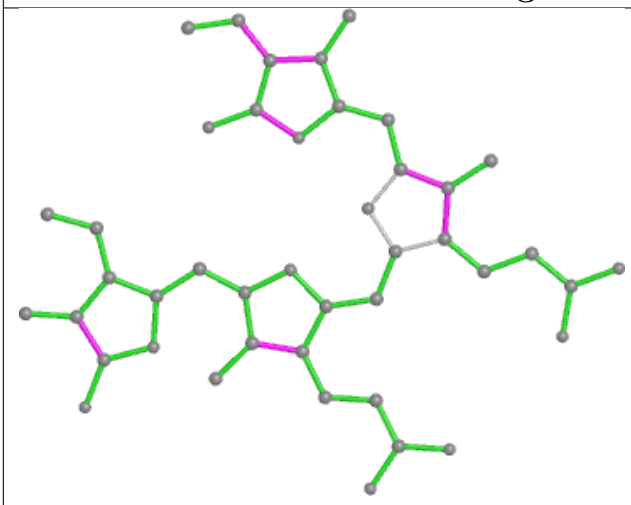


Rings

Ligand PEB eV 202



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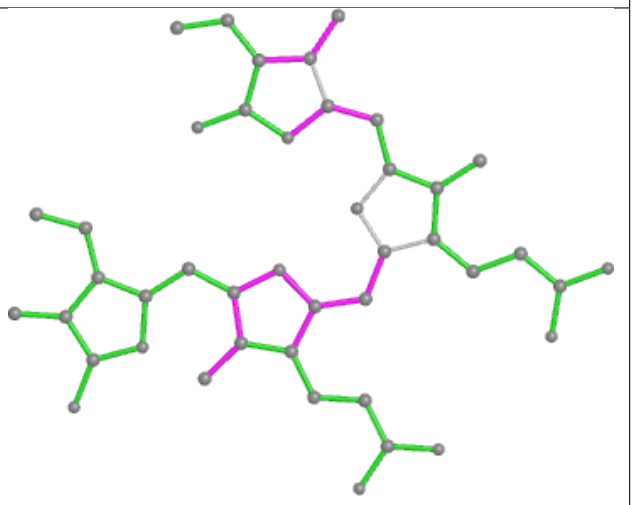

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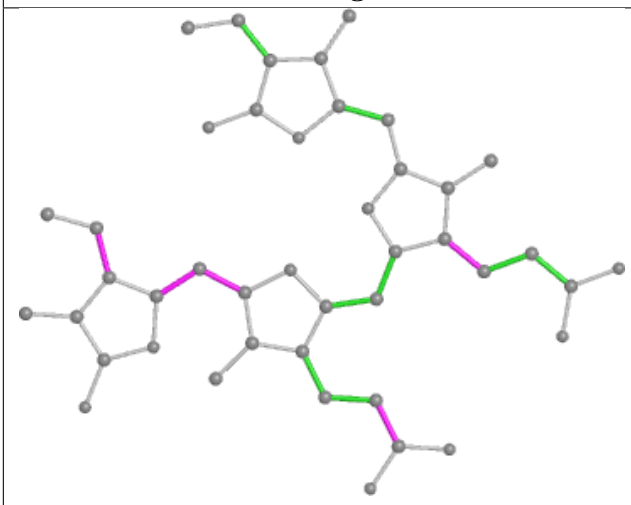

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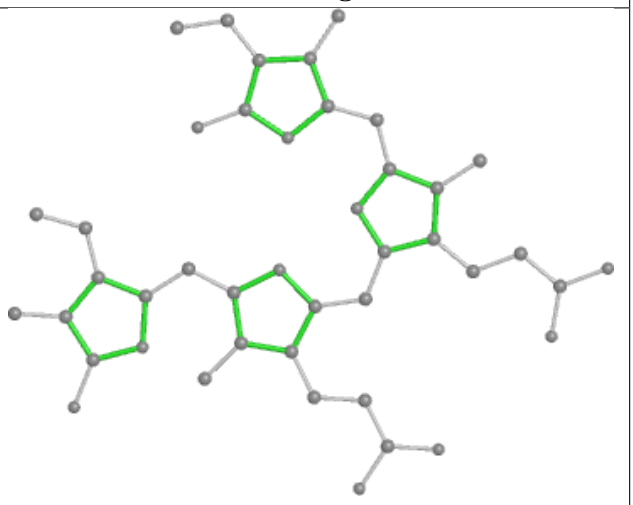
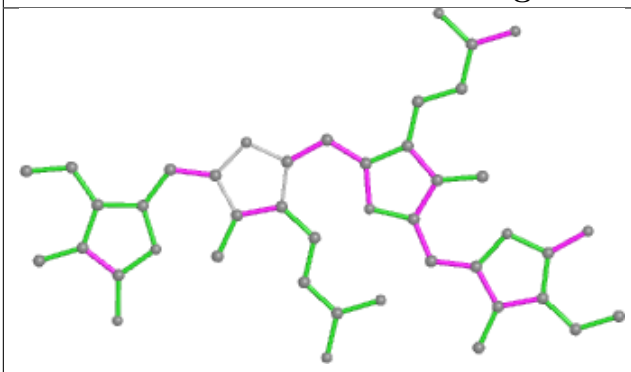


Rings

Ligand CYC P1 201



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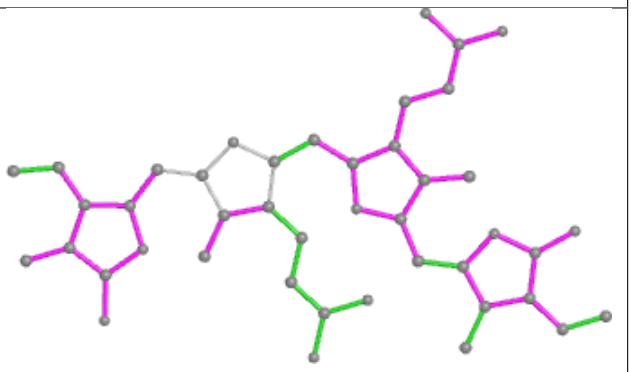

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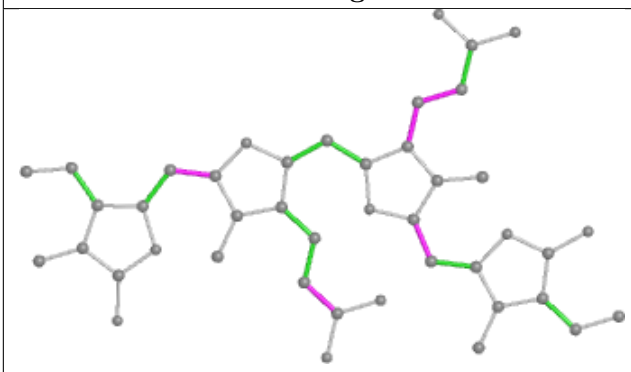

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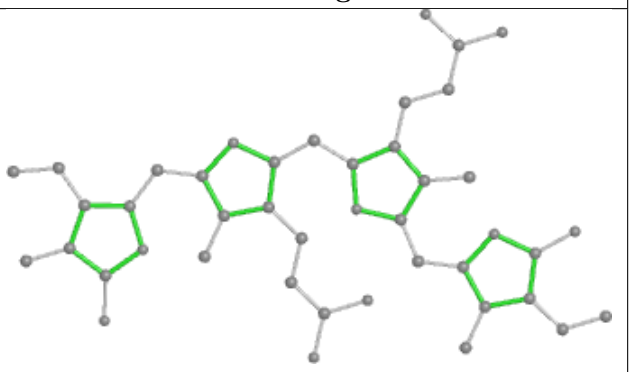
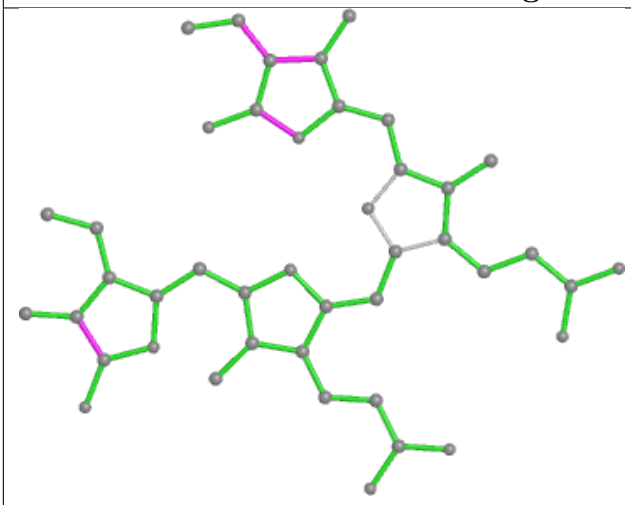


Rings

Ligand PEB aI 202



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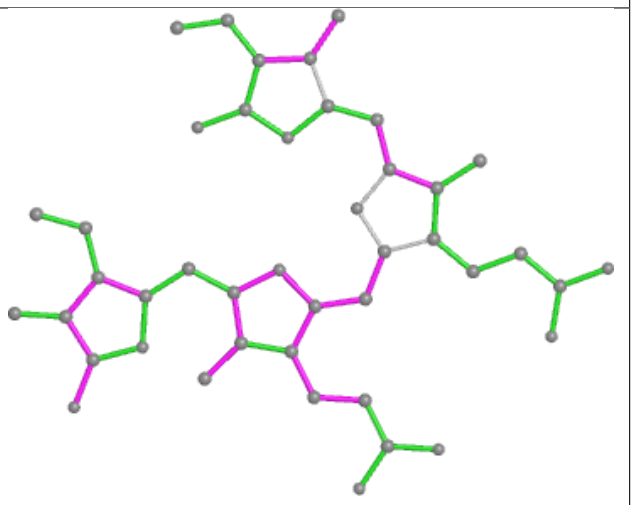

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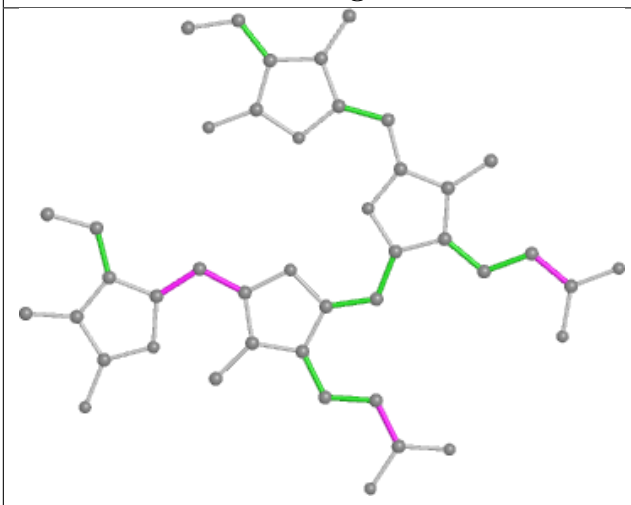

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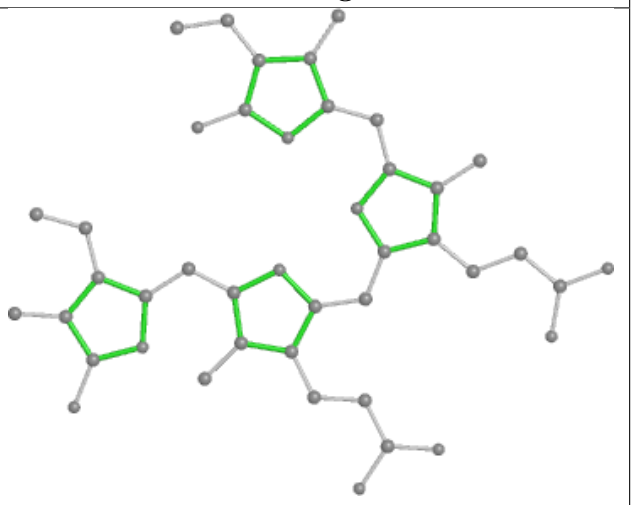
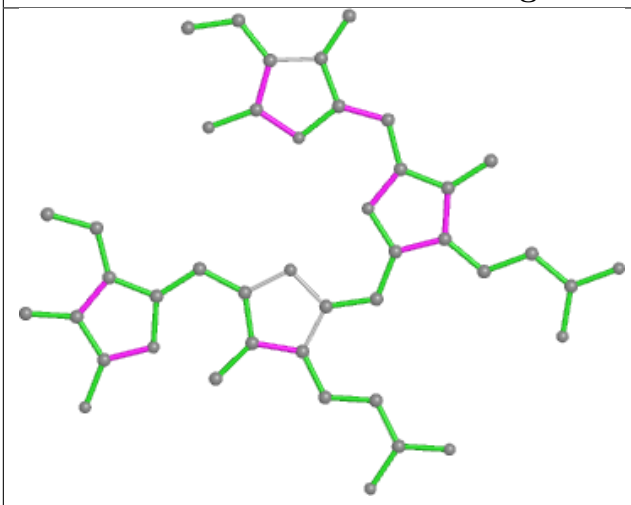


Rings

Ligand PUB t4 203



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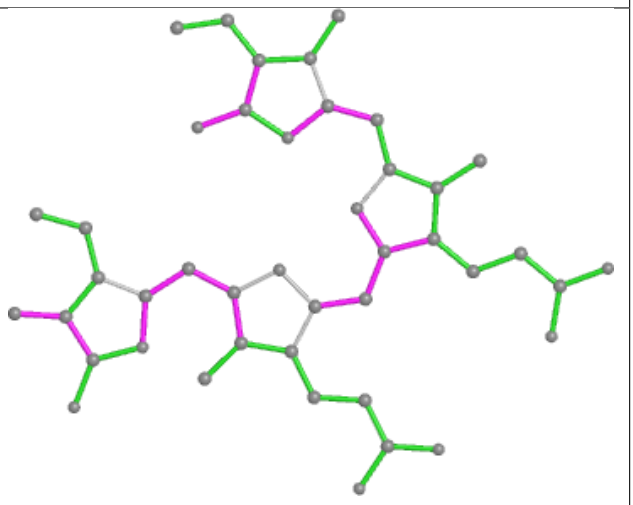
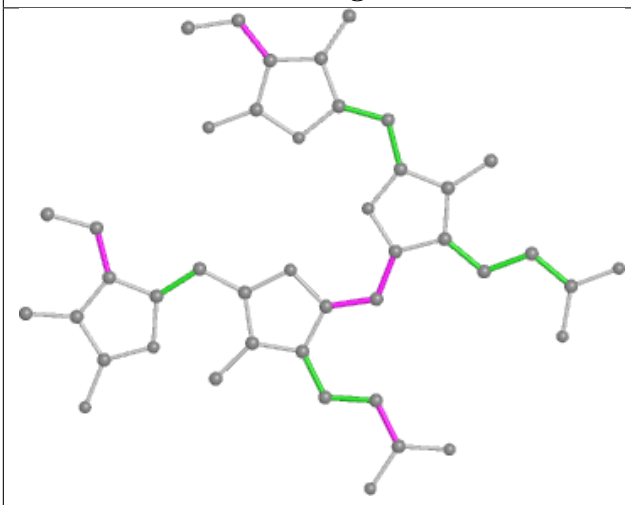


Bond angles



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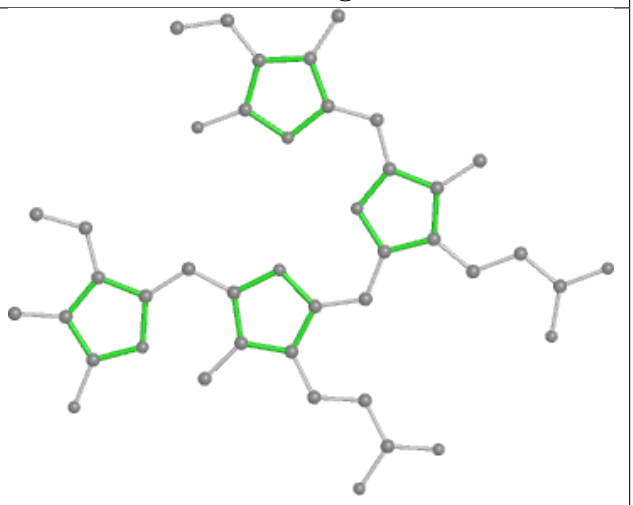
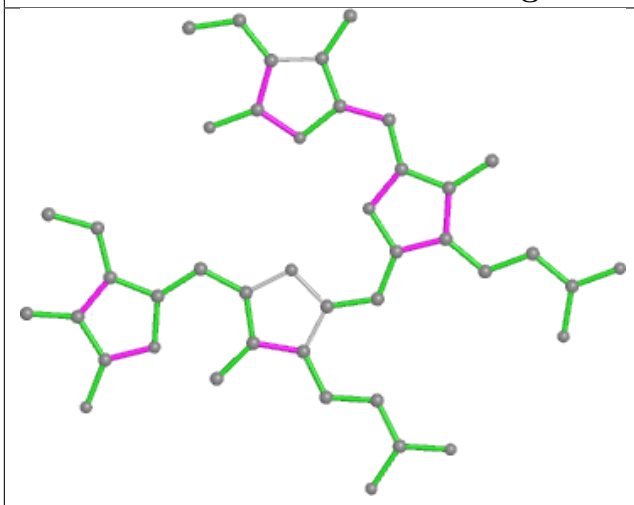
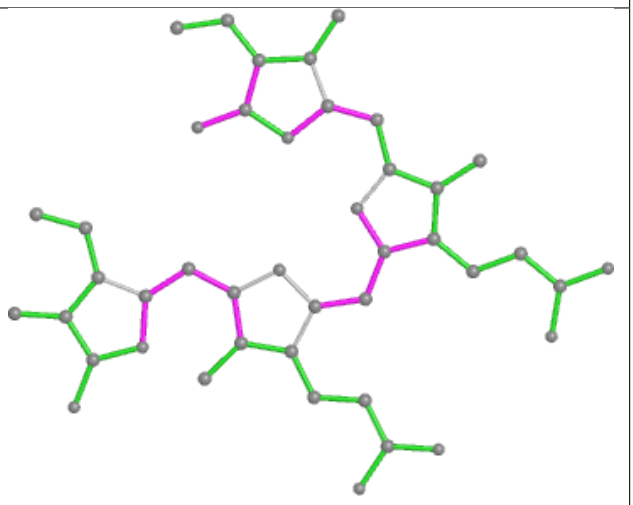


Rings

Ligand PUB cr 203



Bond lengths



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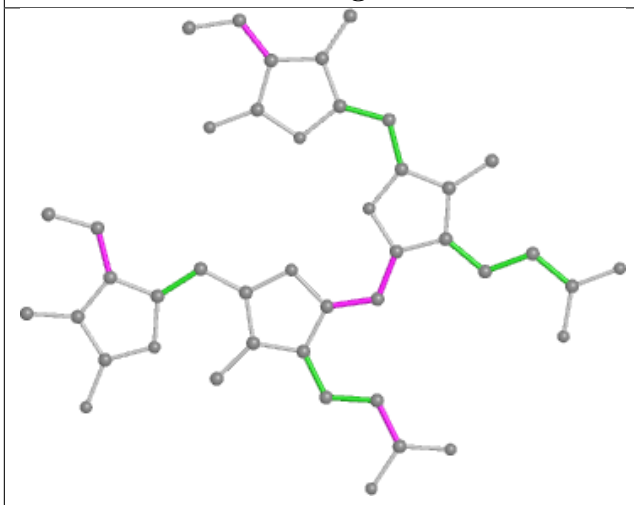
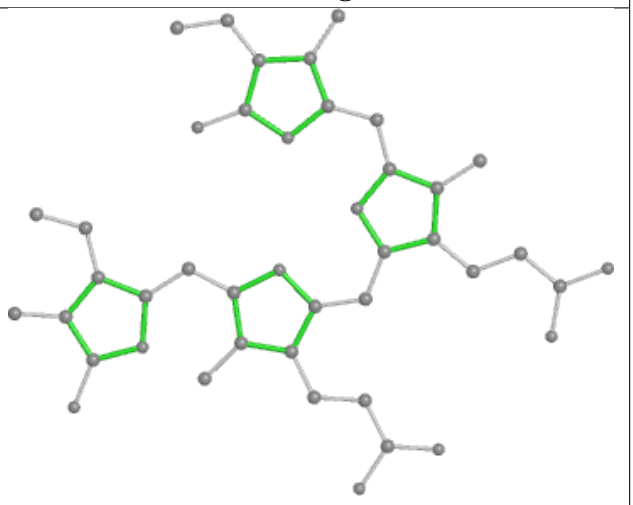
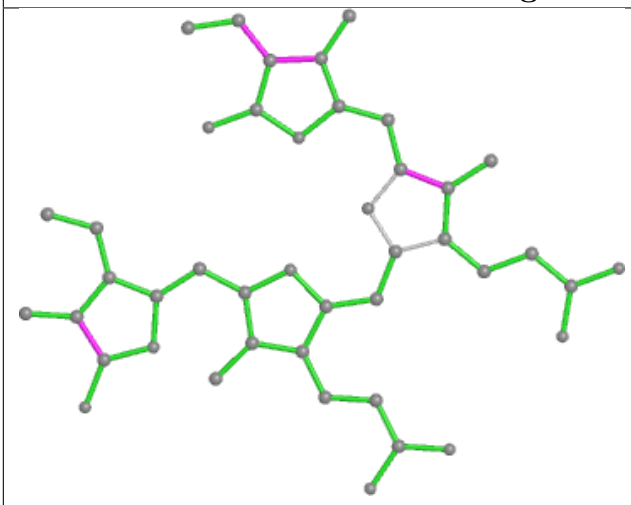


Torsions



Rings

Ligand PEB ao 202



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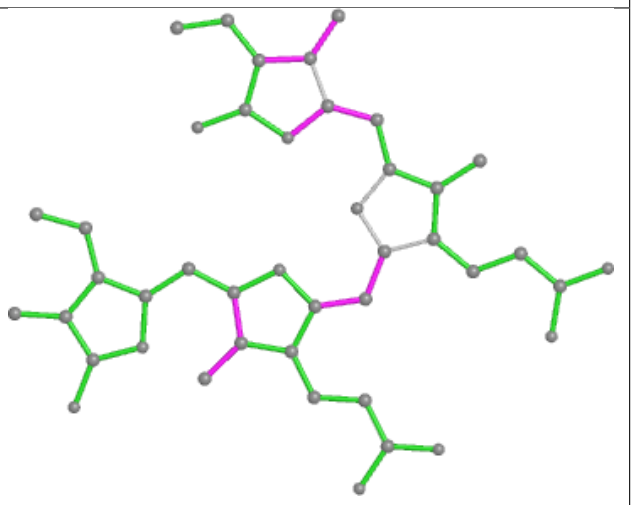

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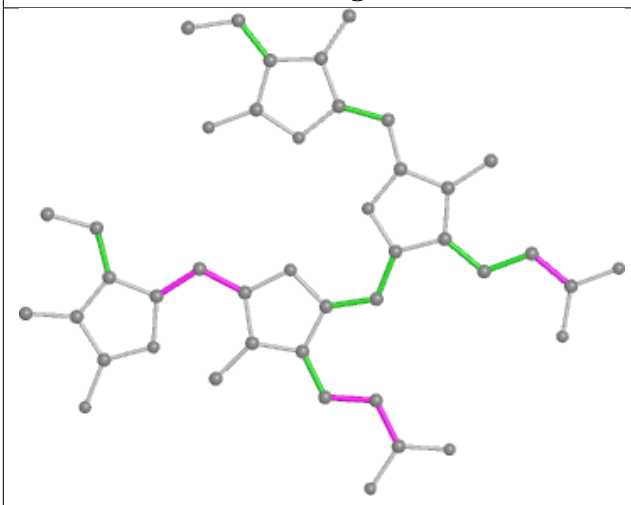

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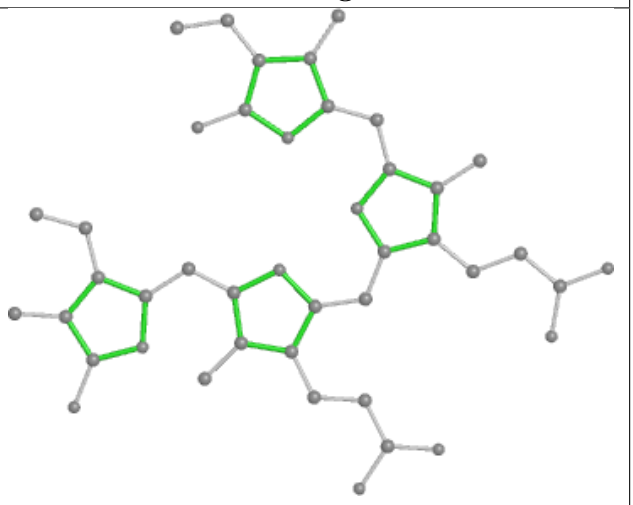
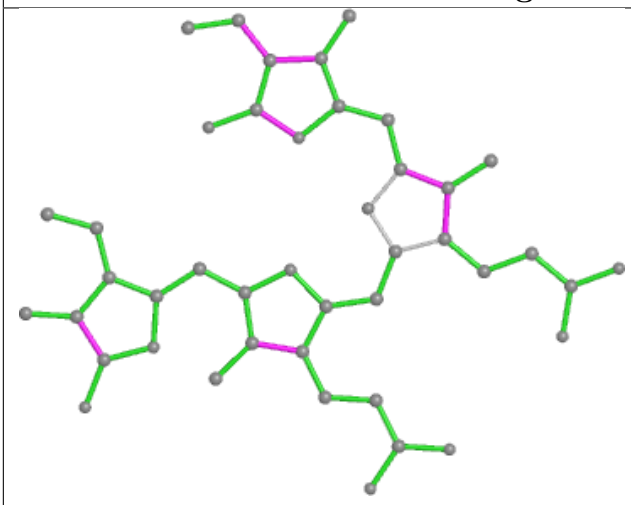


Rings

Ligand PEB cH 201



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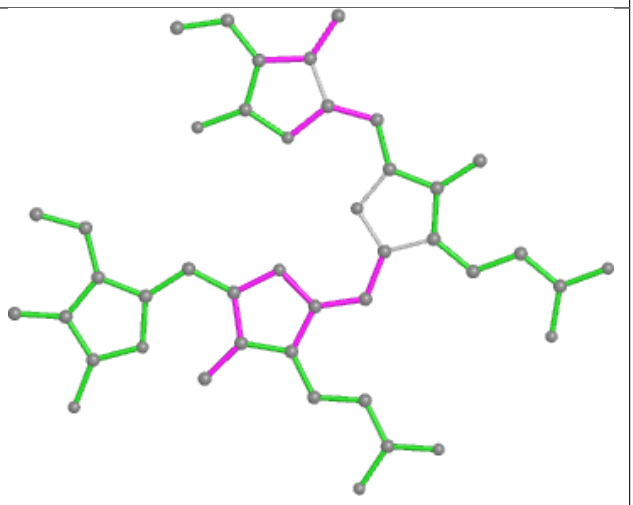

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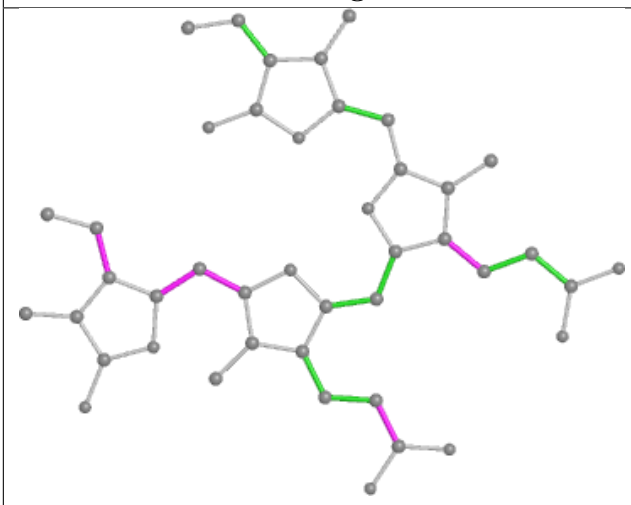

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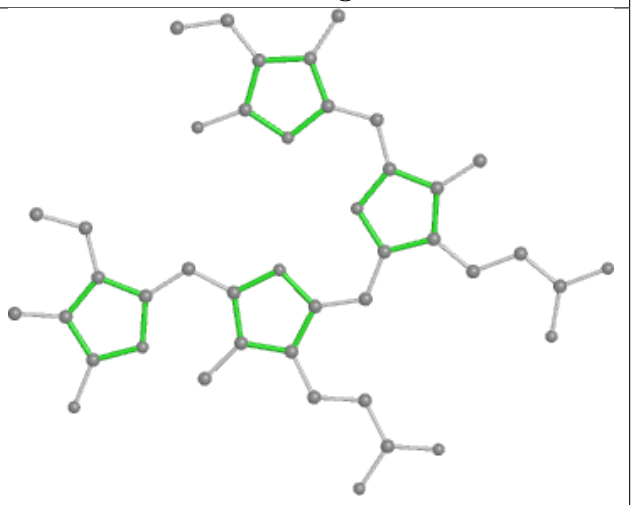
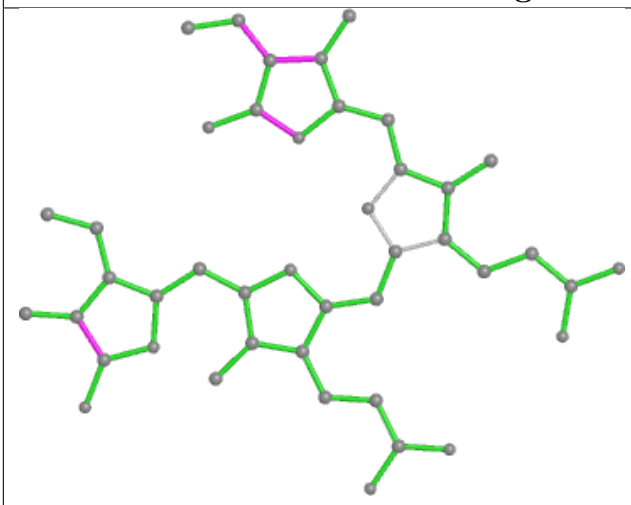


Rings

Ligand PEB H7 201



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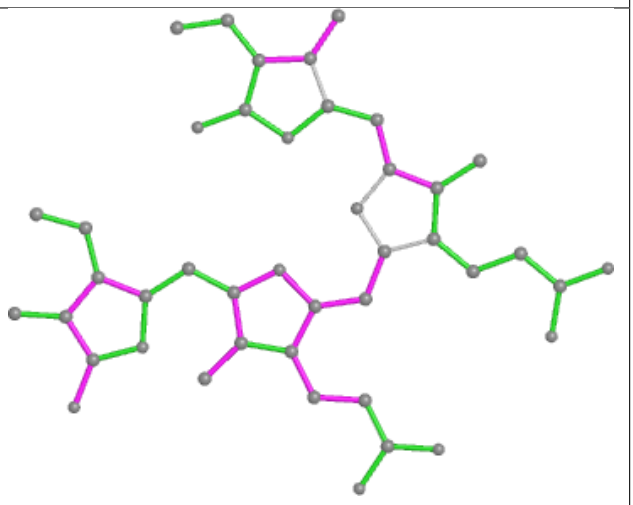

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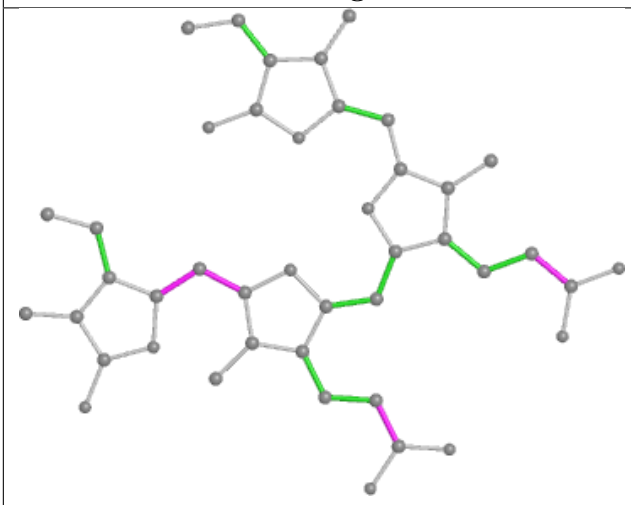

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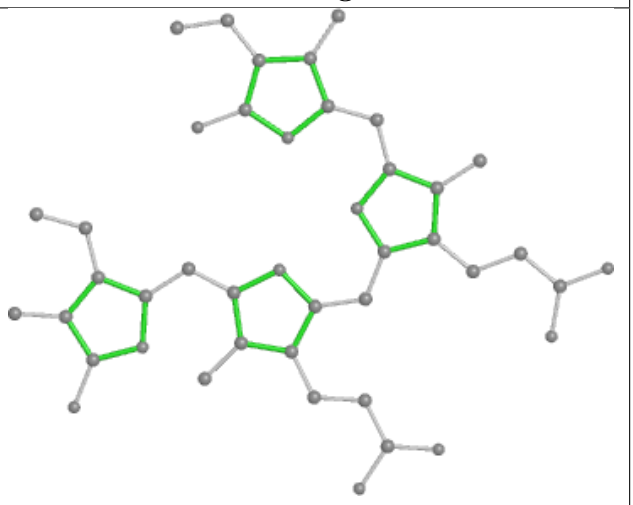
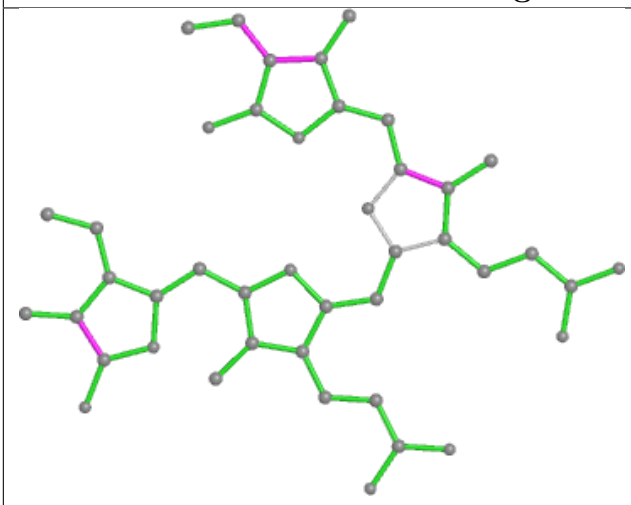


Rings

Ligand PEB m7 202



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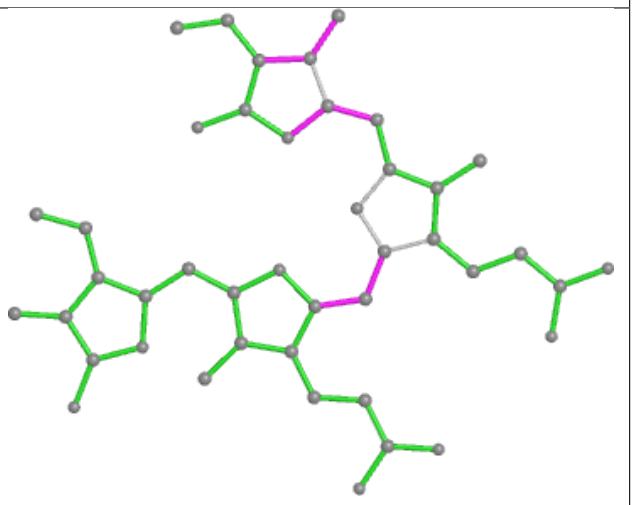

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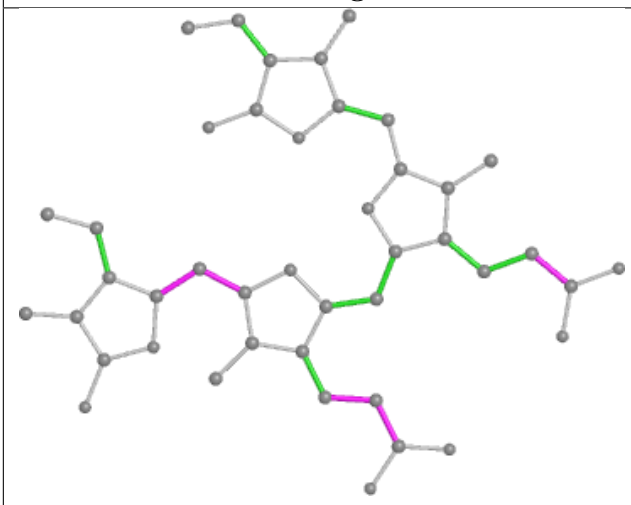

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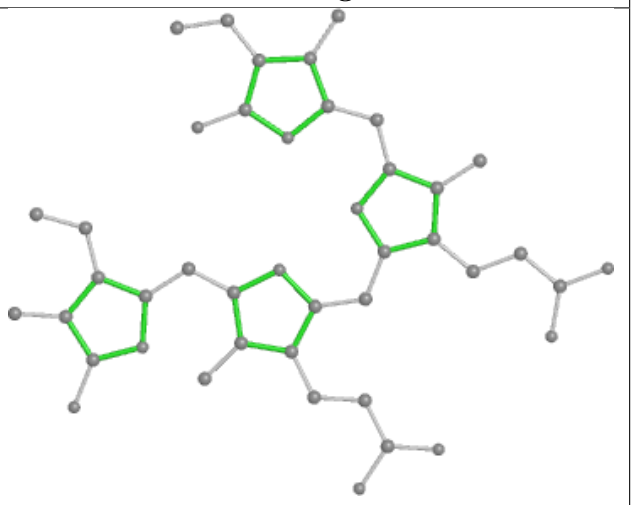

Rings

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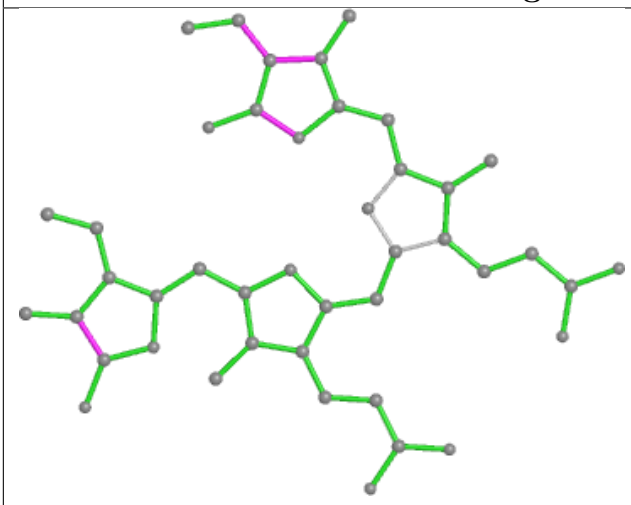

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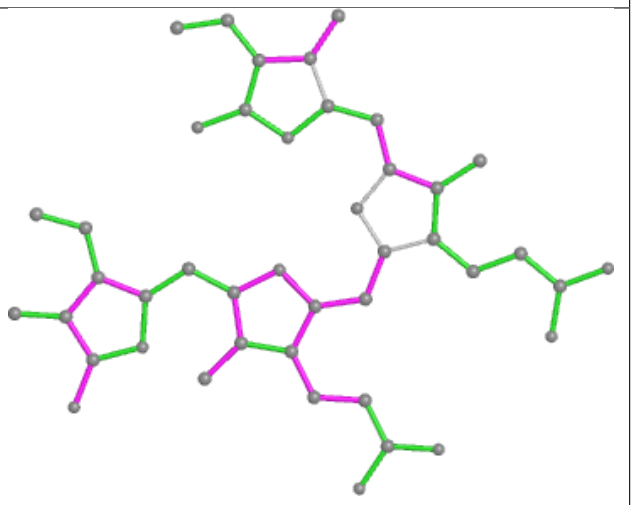

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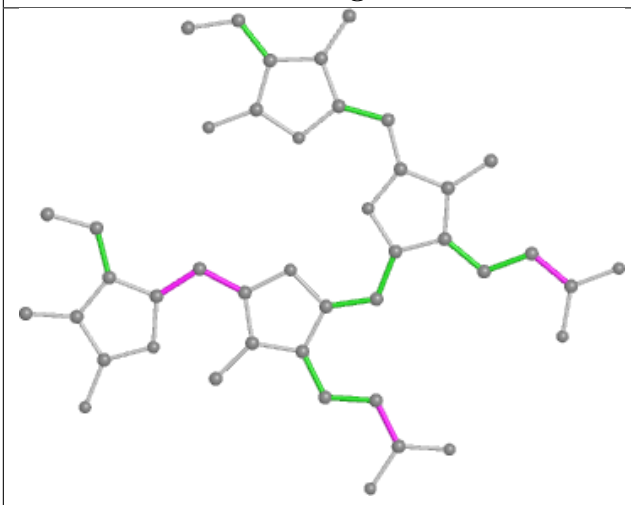

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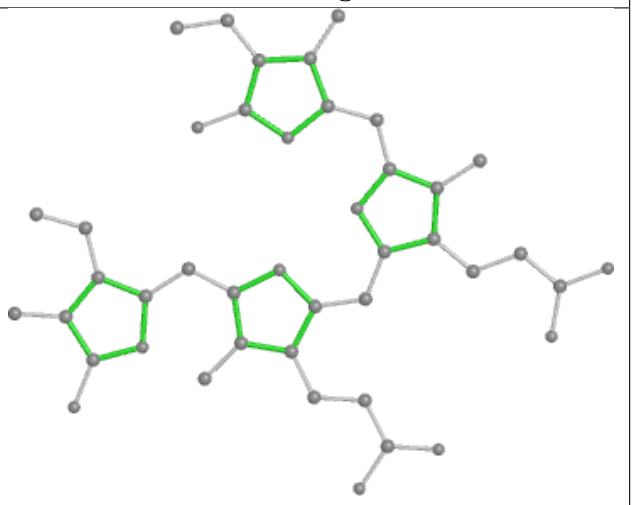
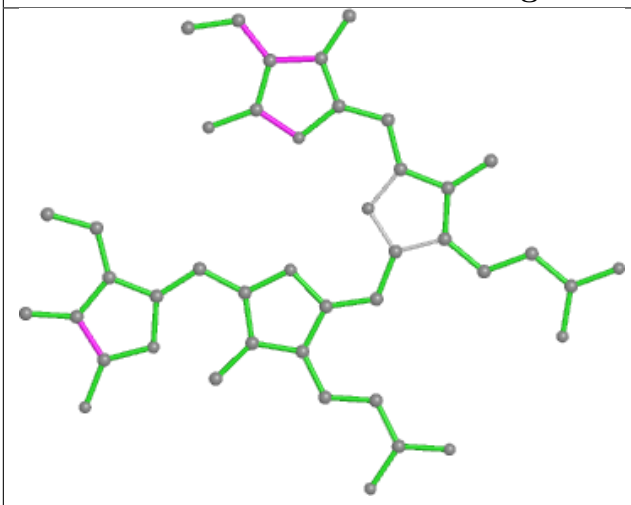


Rings

Ligand PEB z9 201



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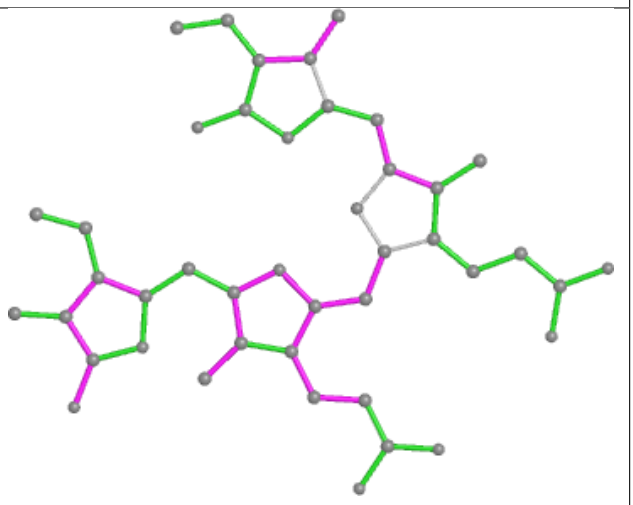

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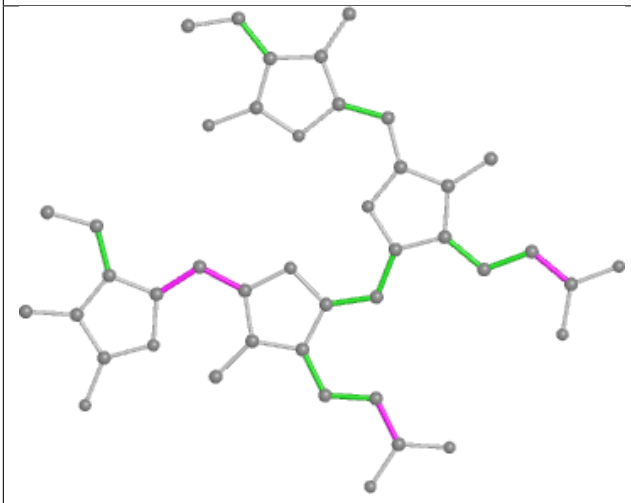

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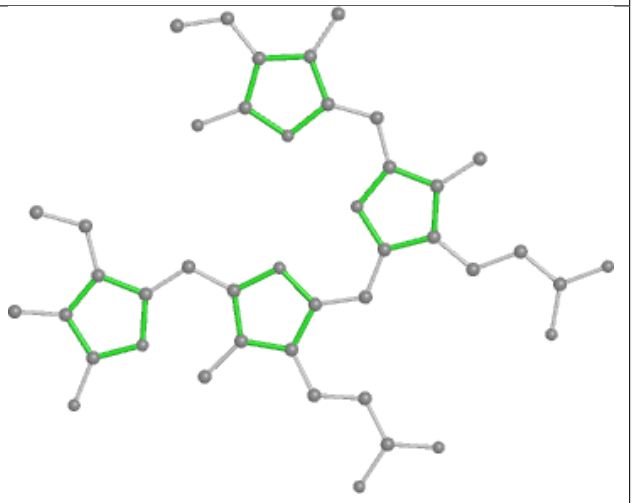
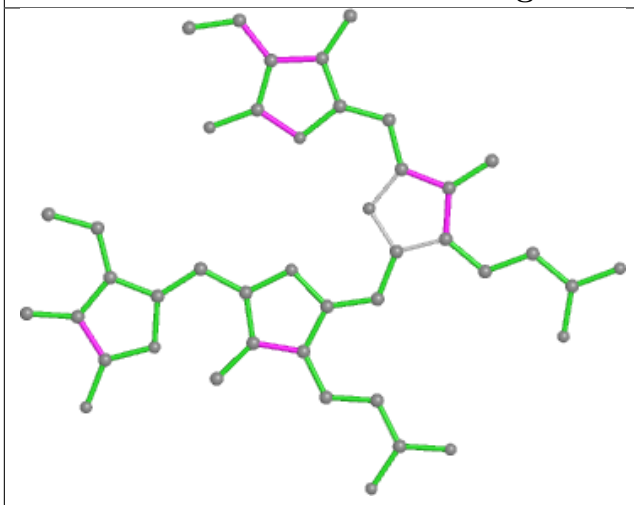


Rings

Ligand PEB X2 202



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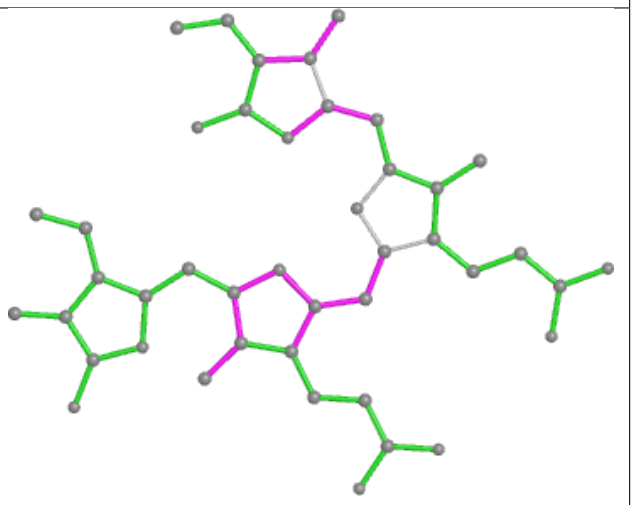

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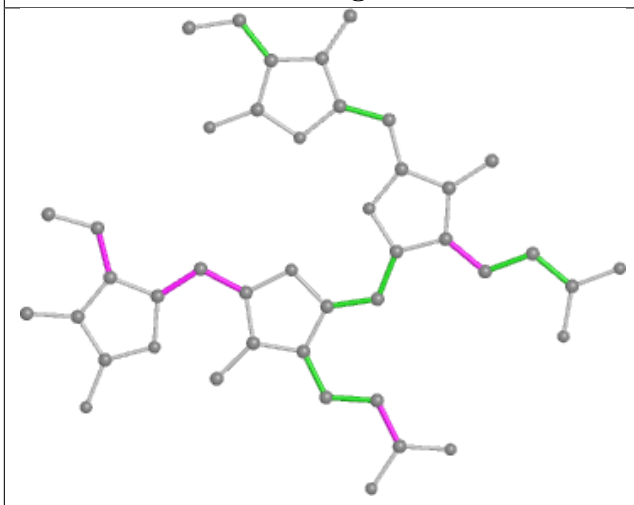

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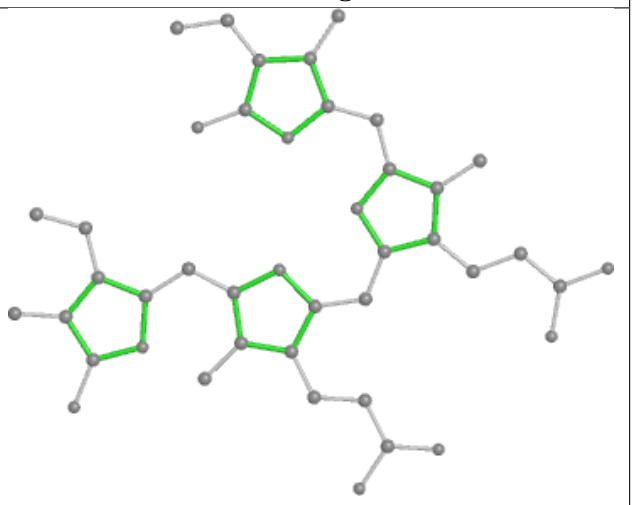

Rings

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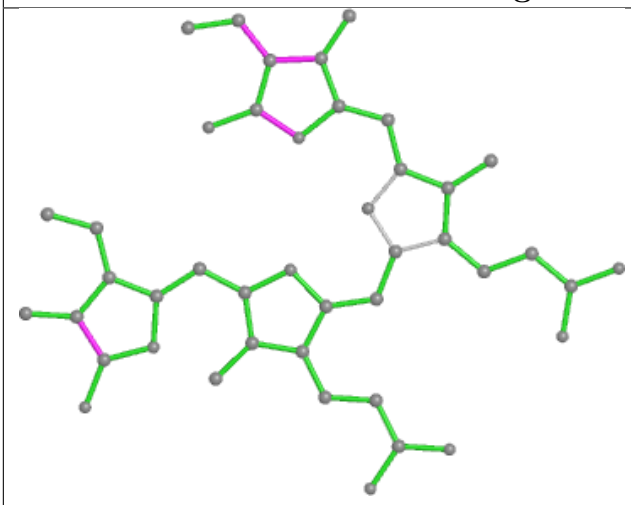

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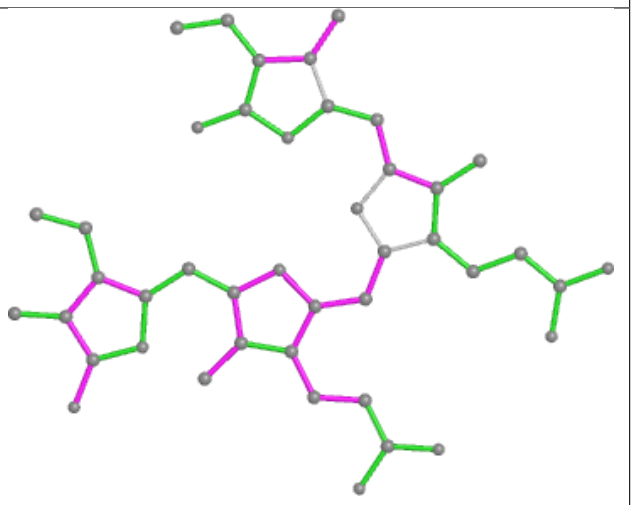

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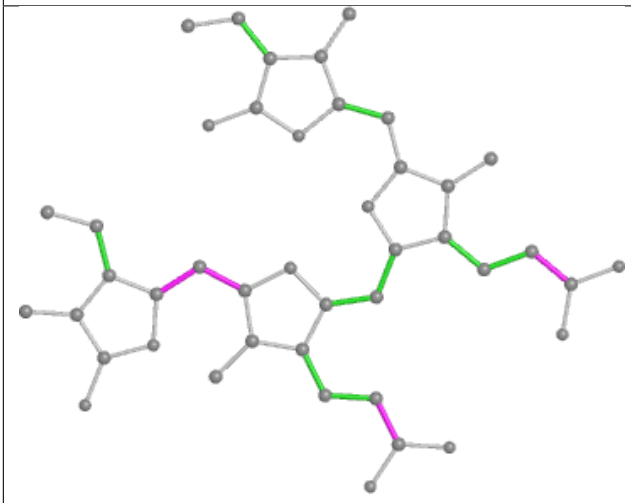

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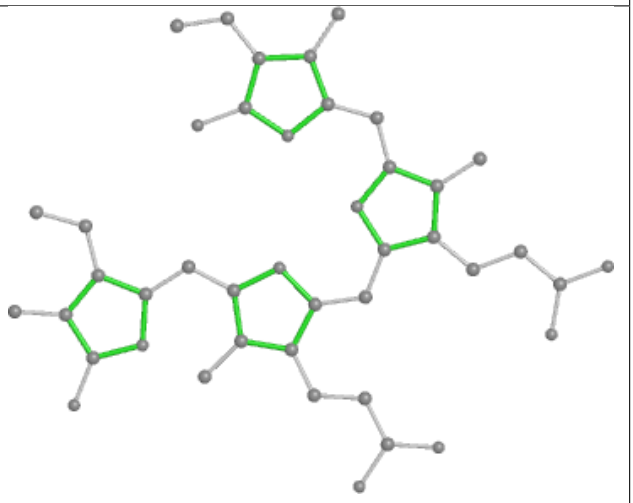
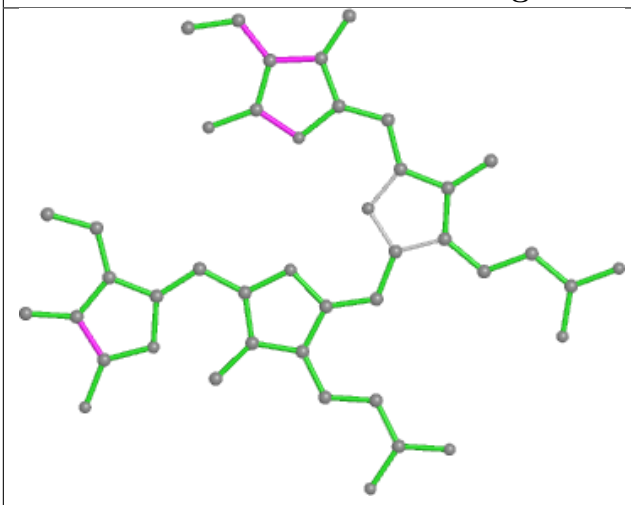


Rings

Ligand PEB M4 201



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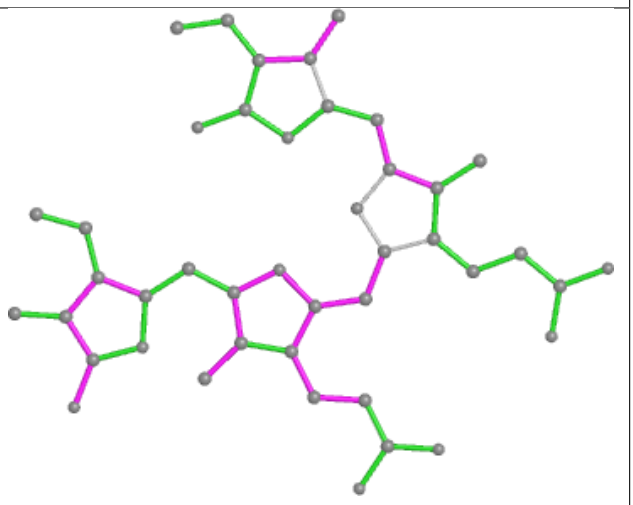

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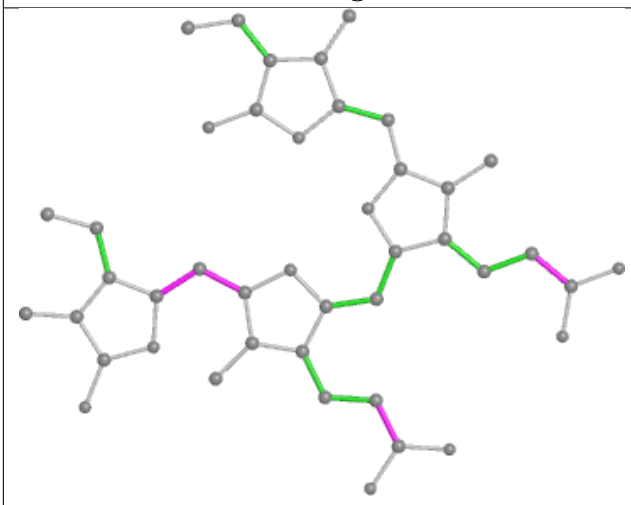

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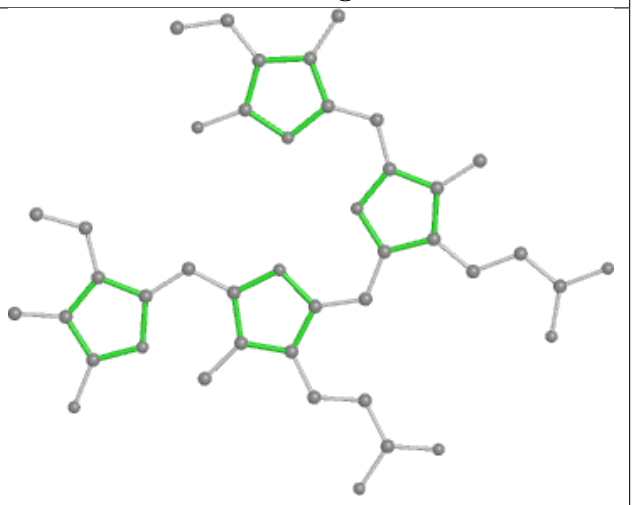
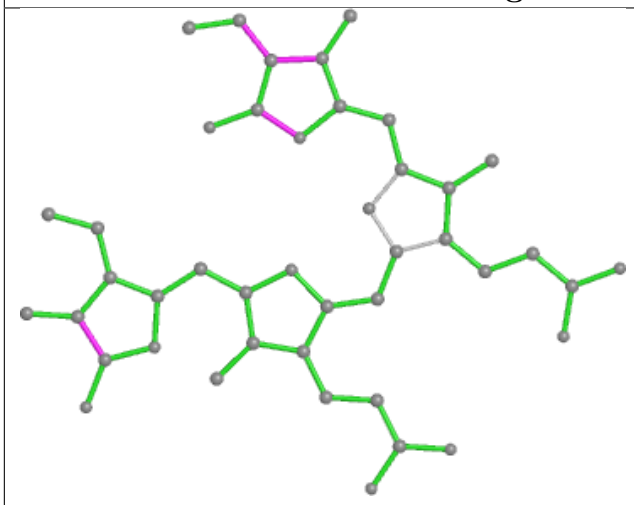


Rings

Ligand PEB m9 1001



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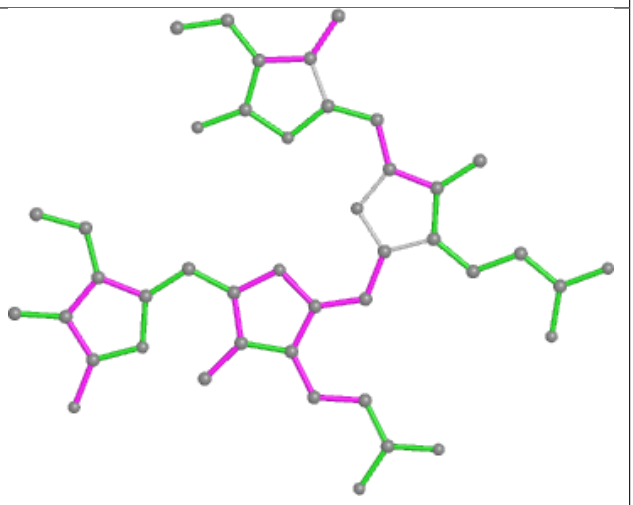

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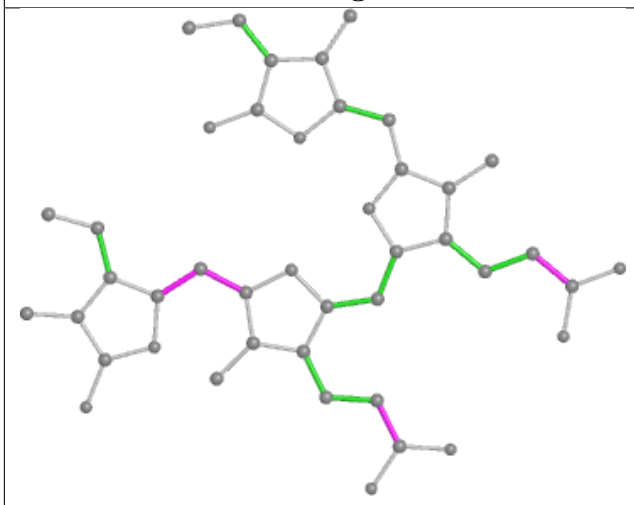

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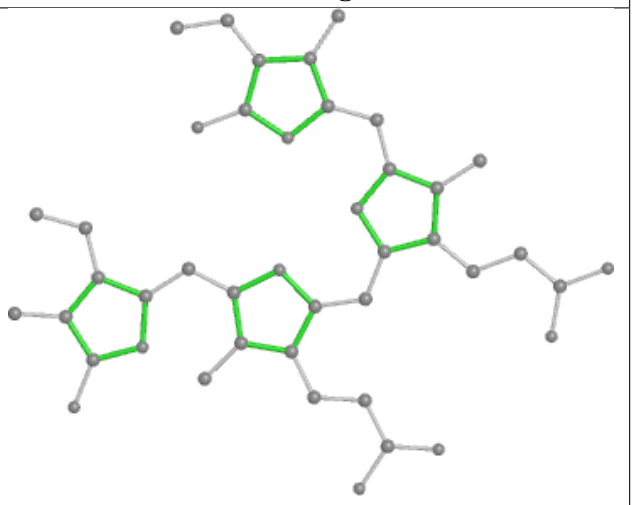
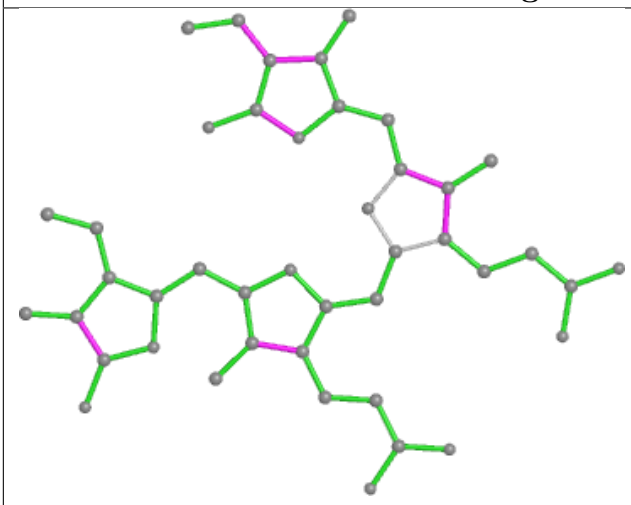


Rings

Ligand PEB r5 202



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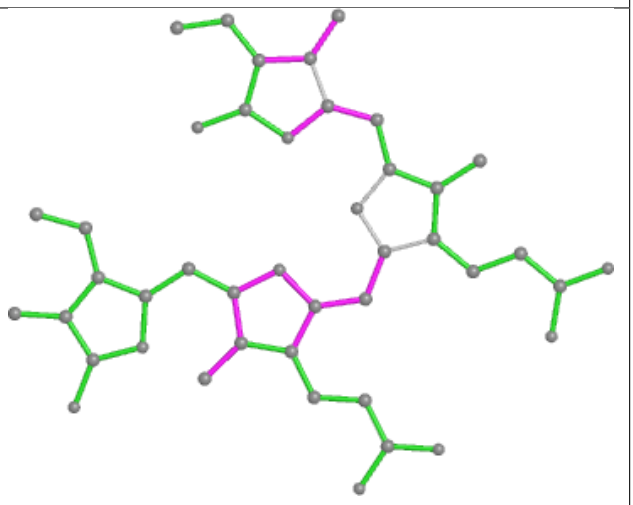
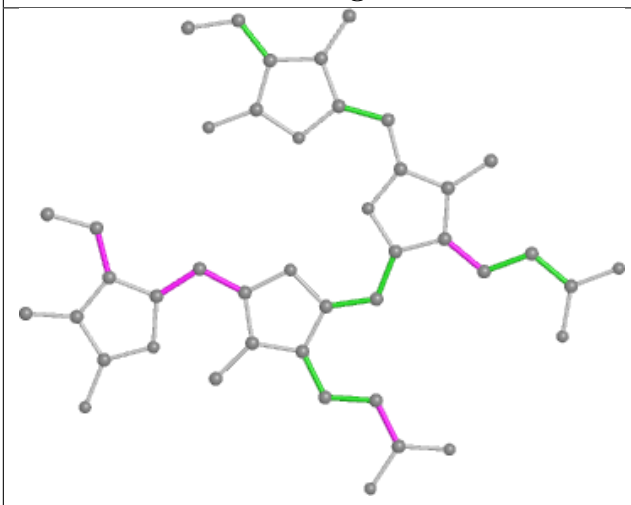


Bond angles



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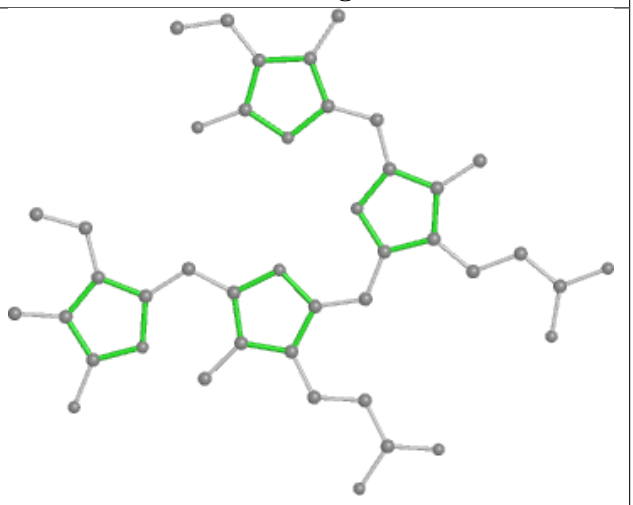
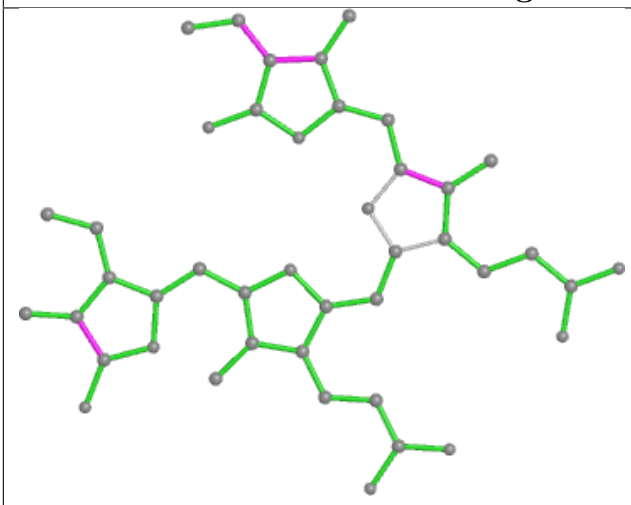


Rings

Ligand PEB C9 202



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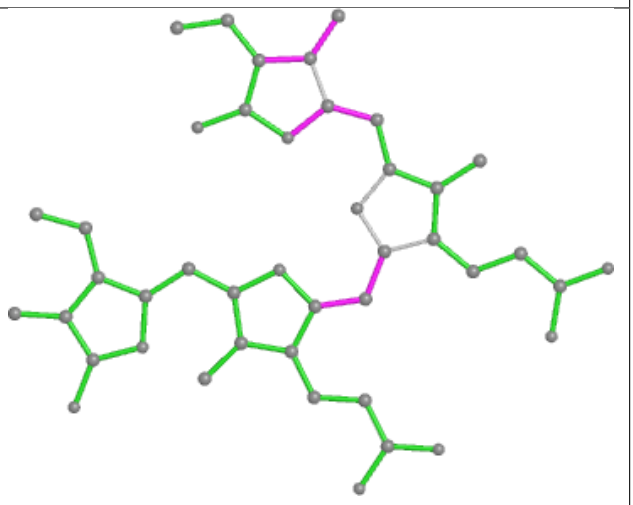

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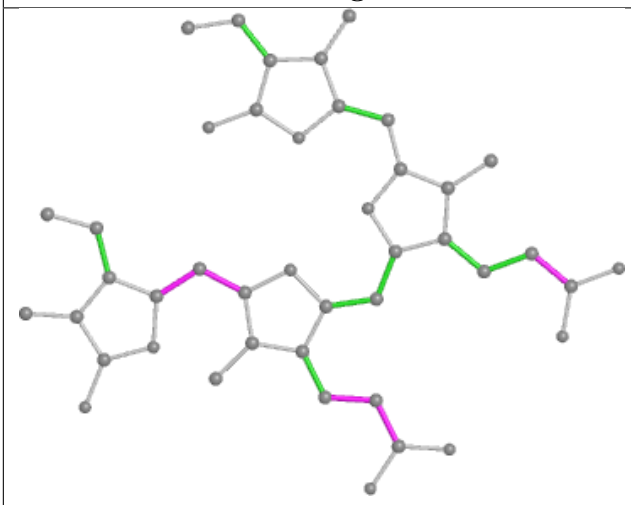

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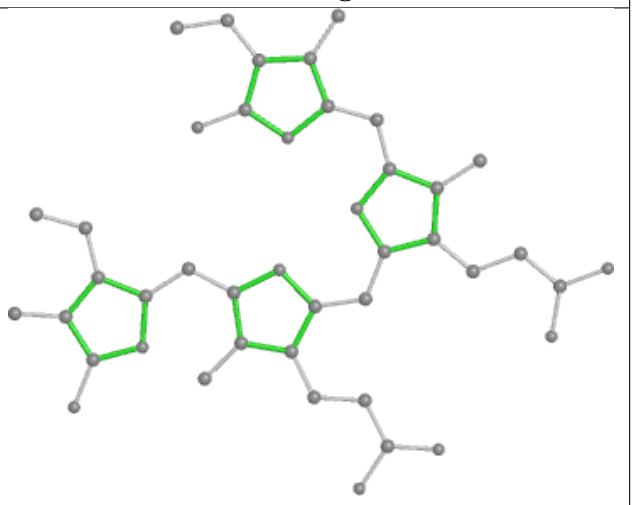

Rings

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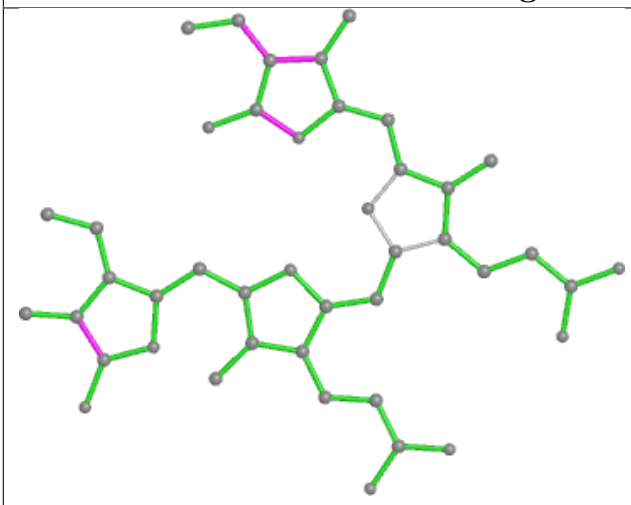

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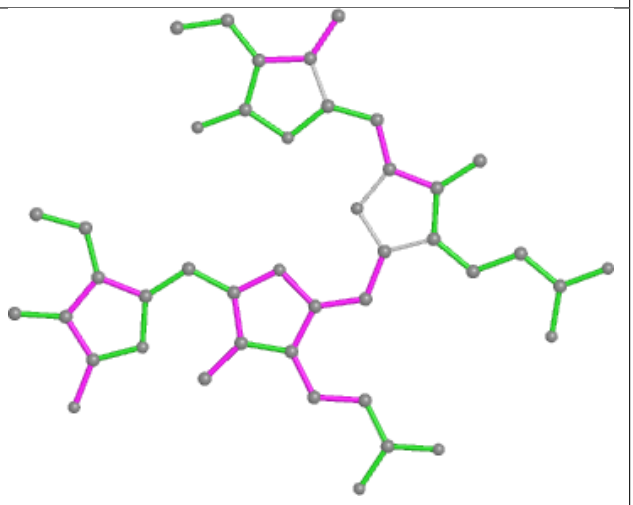
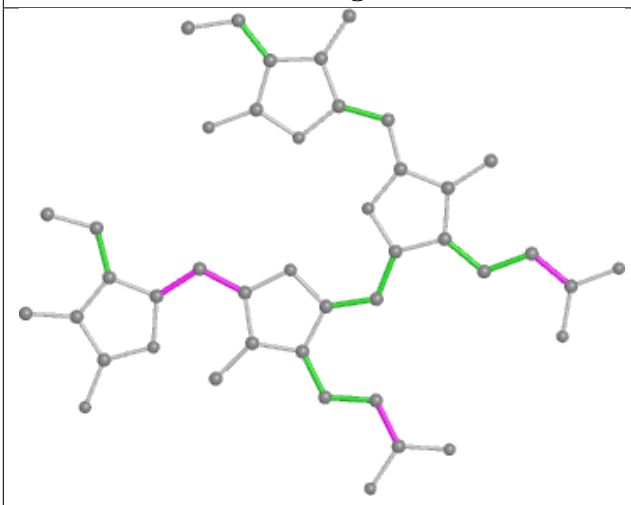
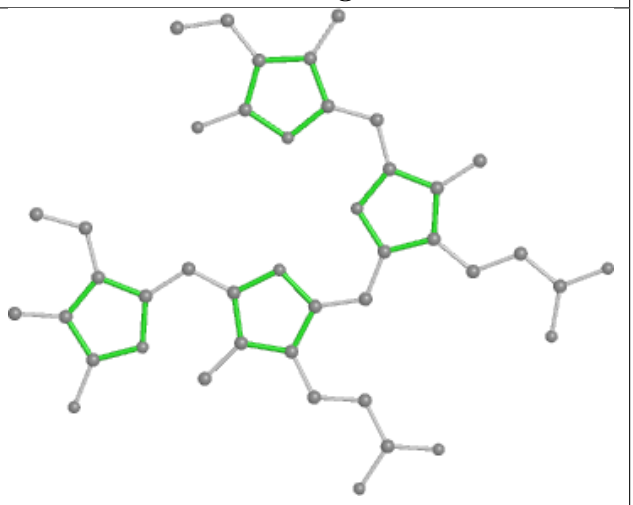


Bond angles

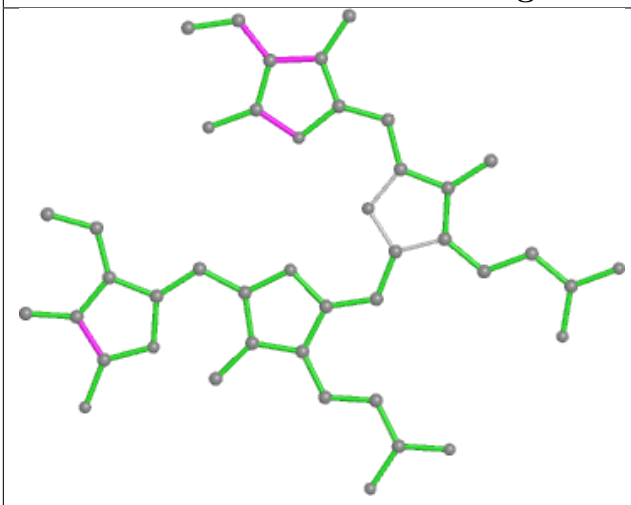


Torsions



Rings

Ligand PEB E4 201



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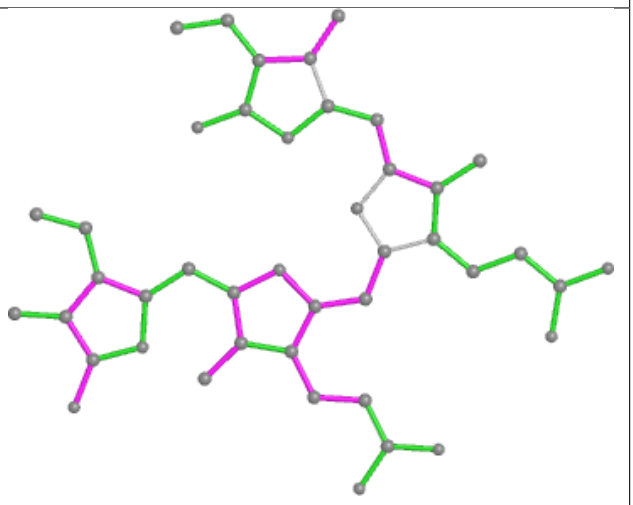

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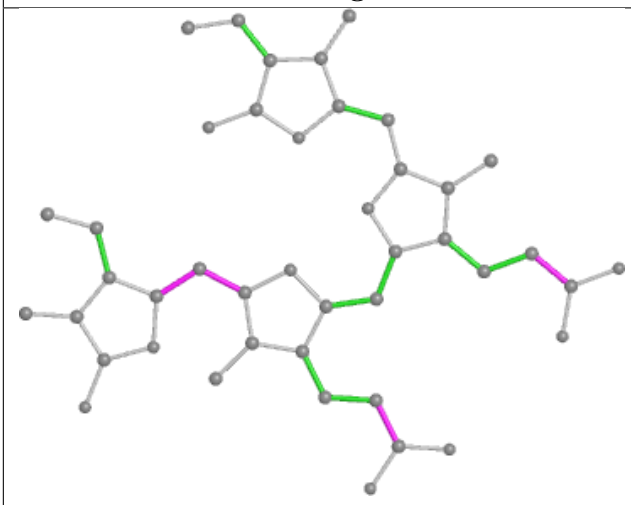

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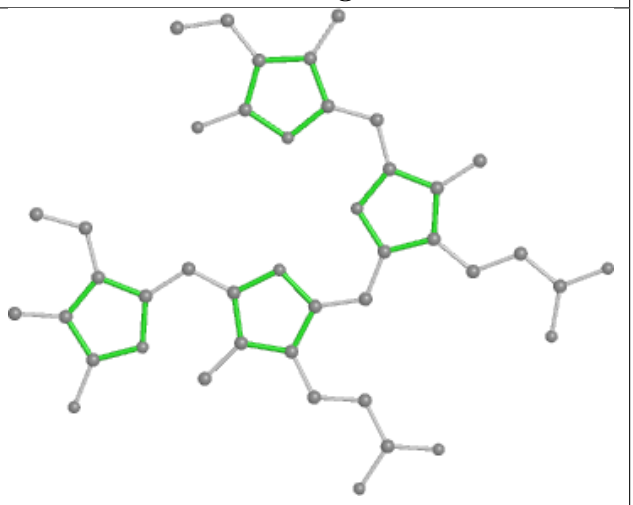
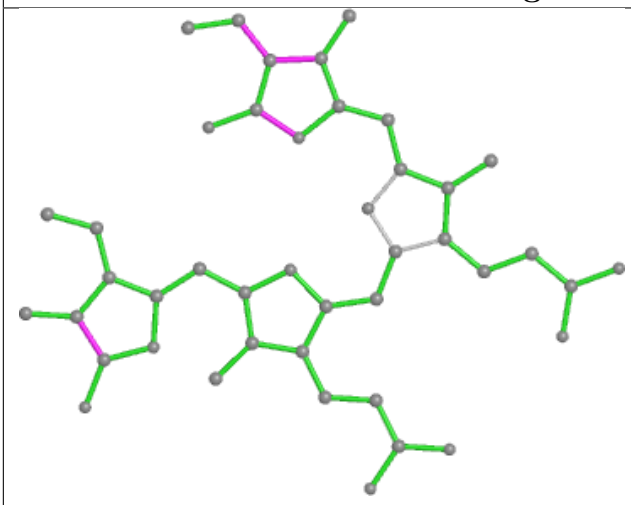


Rings

Ligand PEB j6 201



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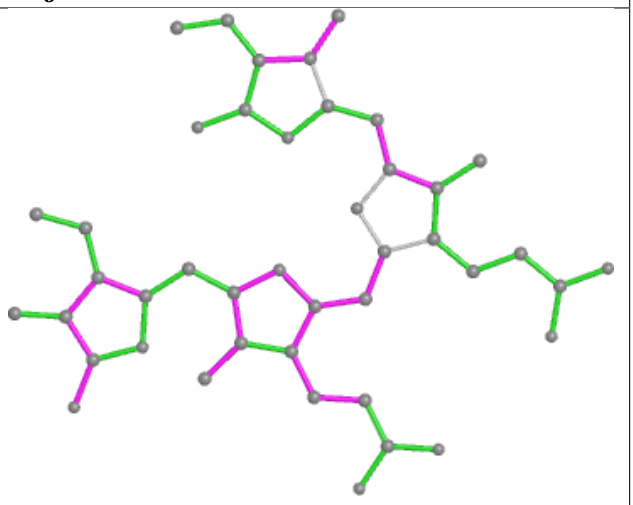

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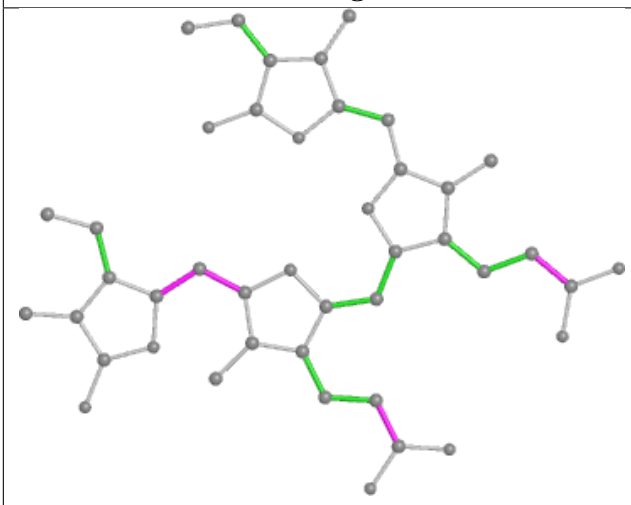

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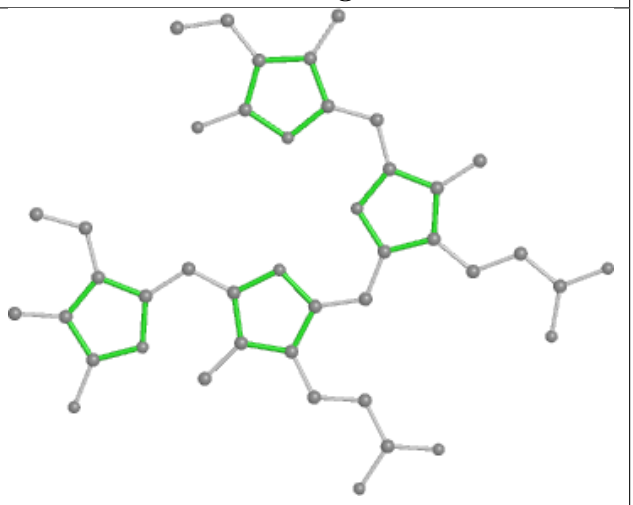
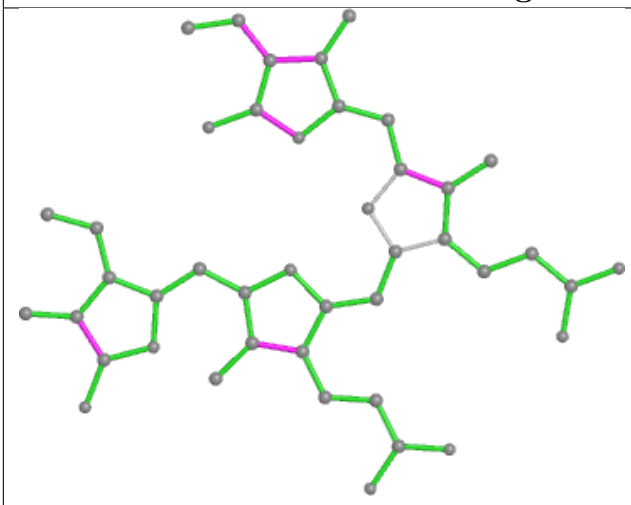


Rings

Ligand PEB D9 202



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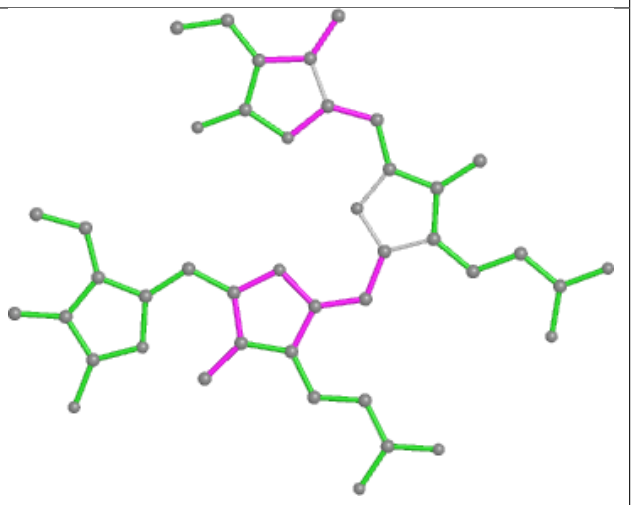

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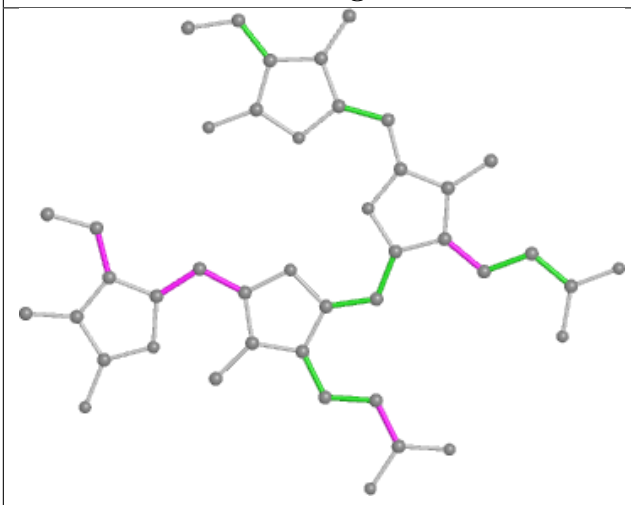

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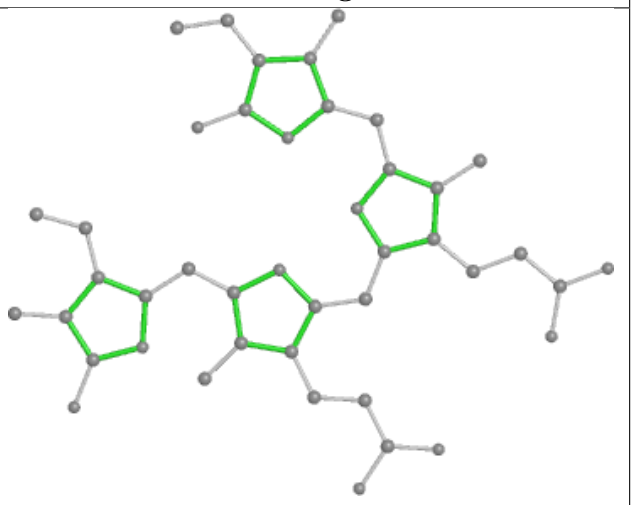
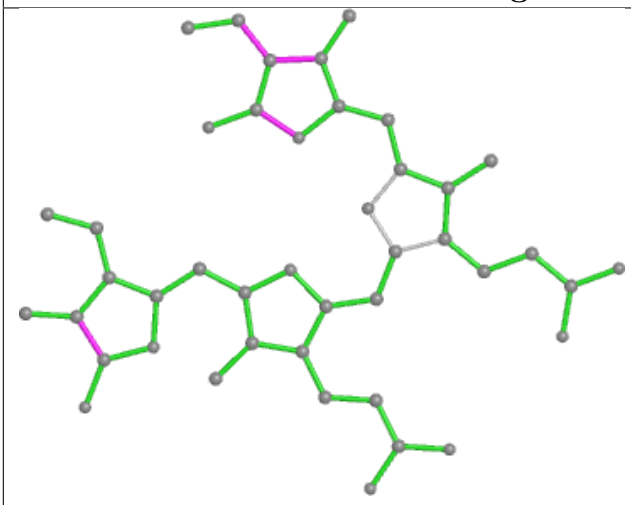


Rings

Ligand PEB y4 1002



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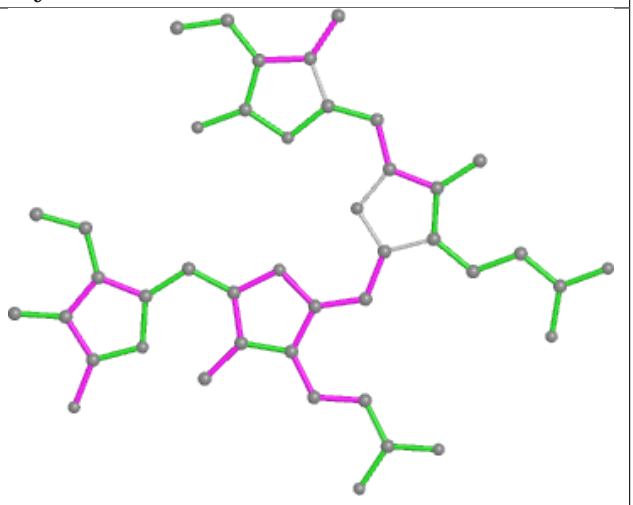

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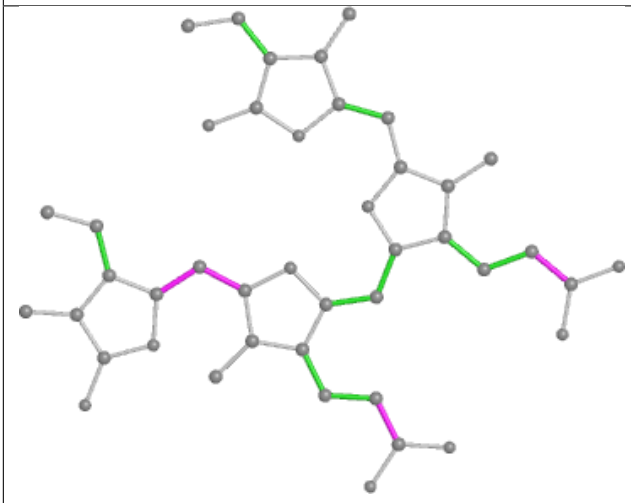

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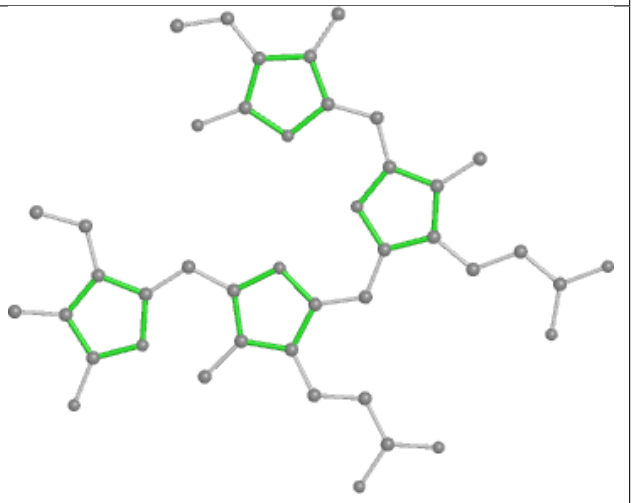
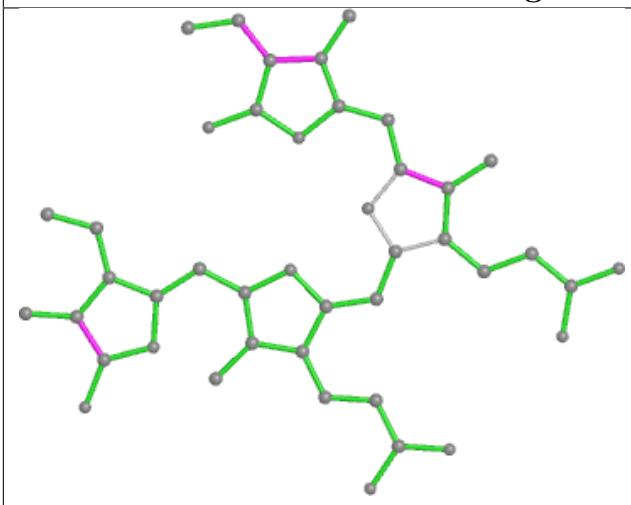


Rings

Ligand PEB ei 201



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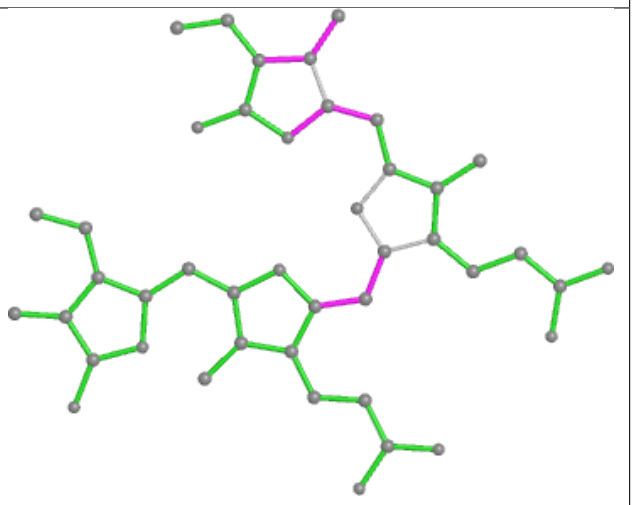

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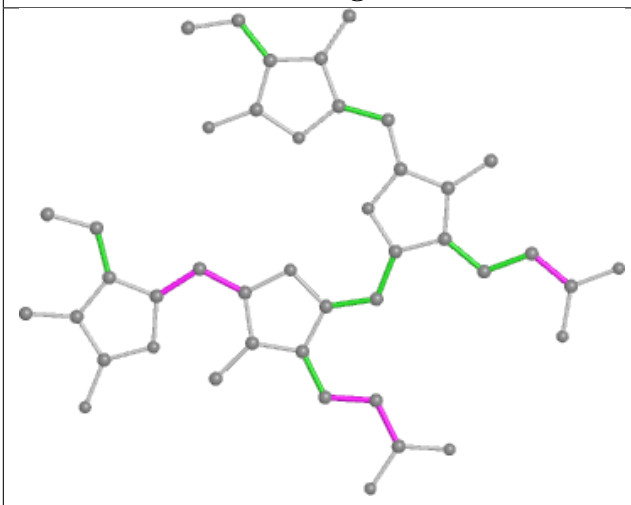

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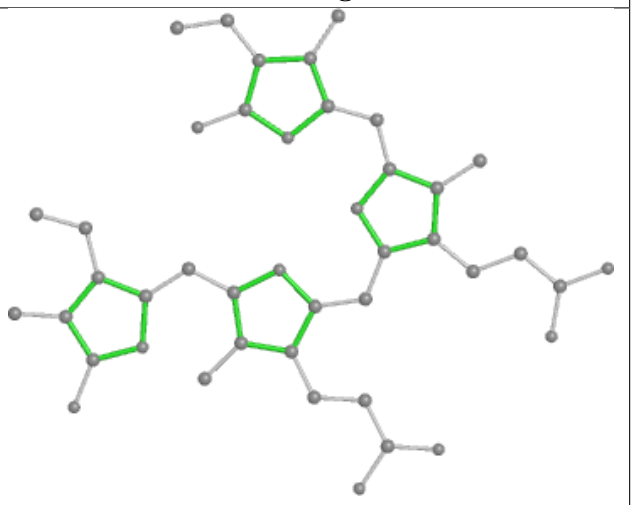
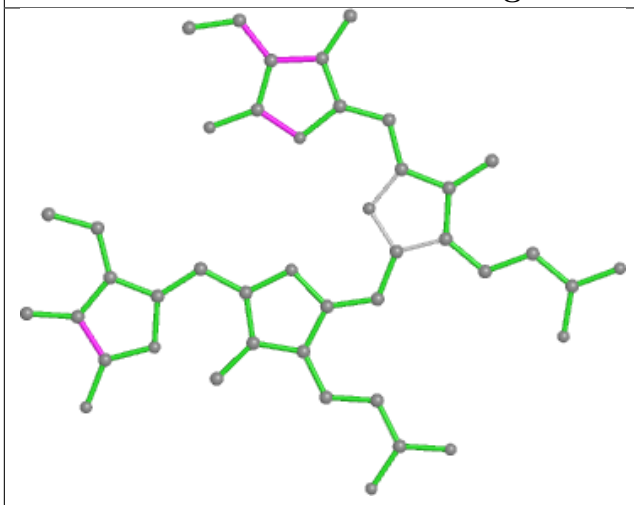


Rings

Ligand PEB M6 1001



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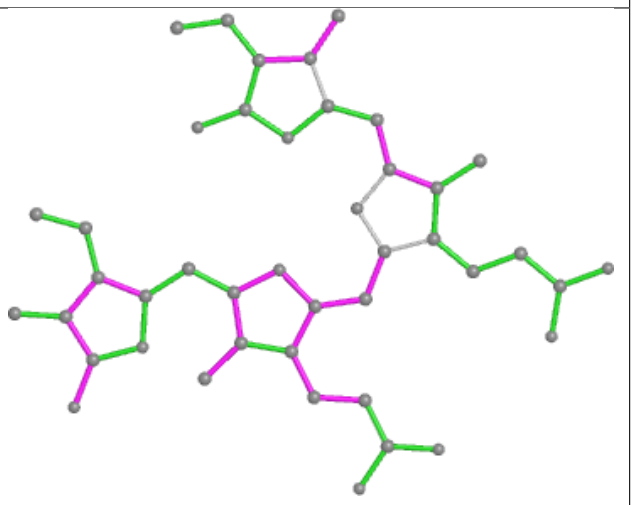

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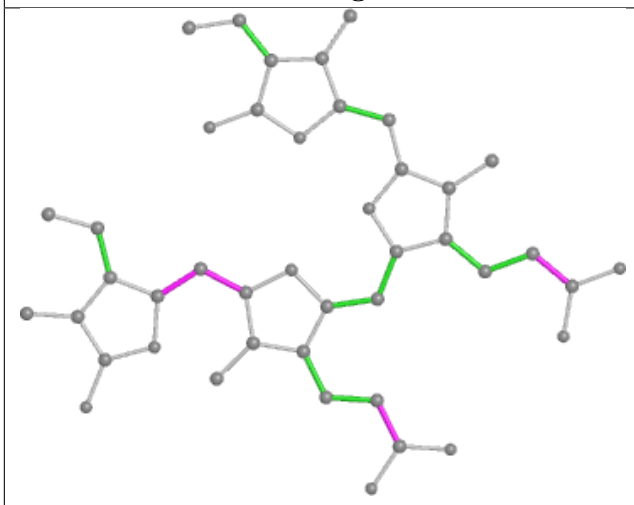

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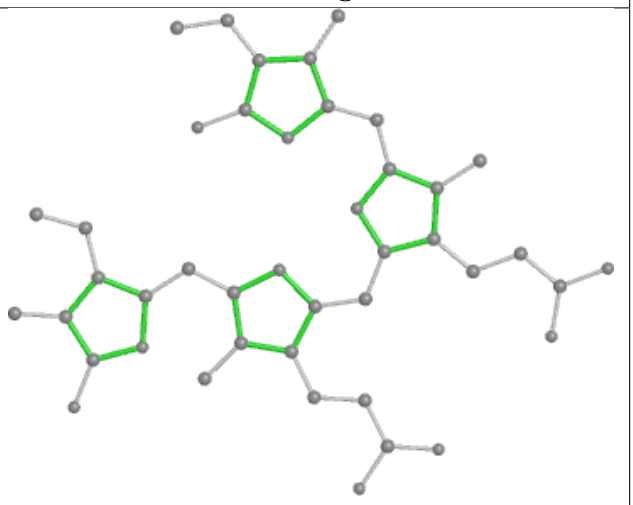

Rings

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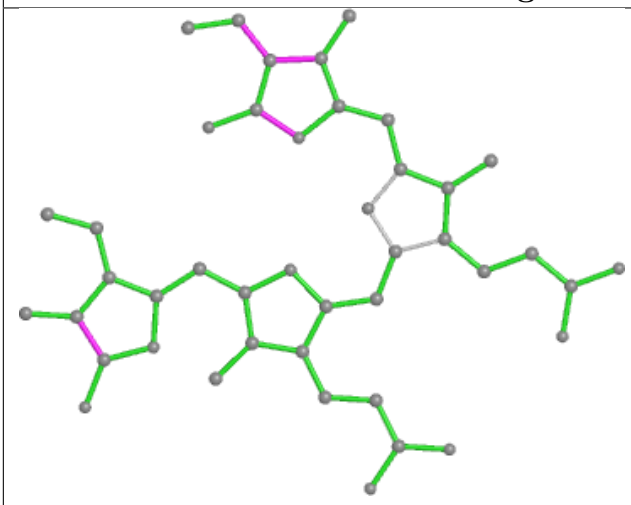

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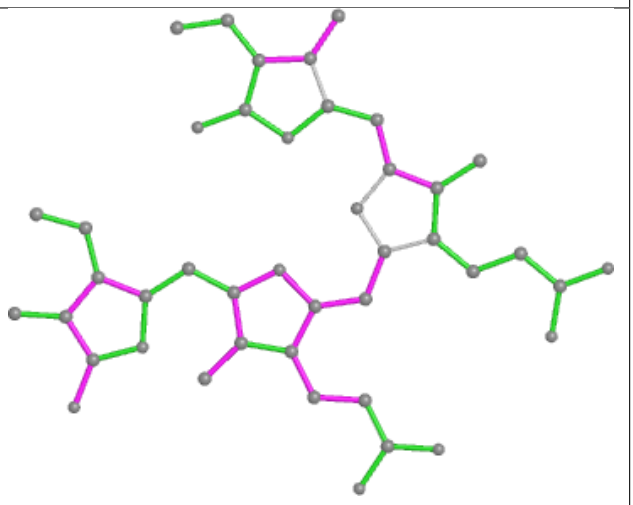

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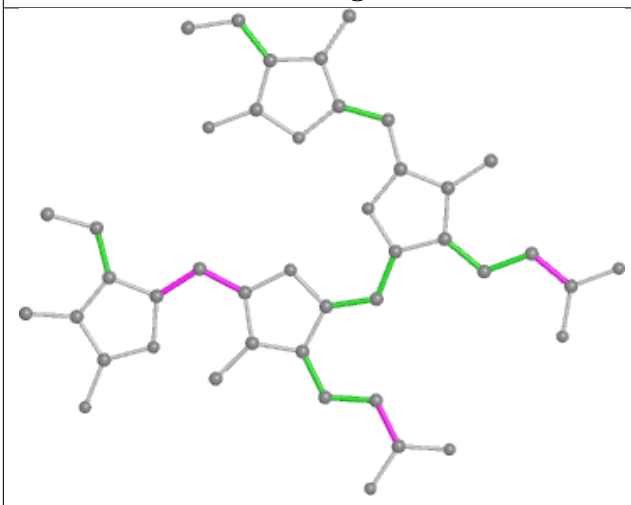

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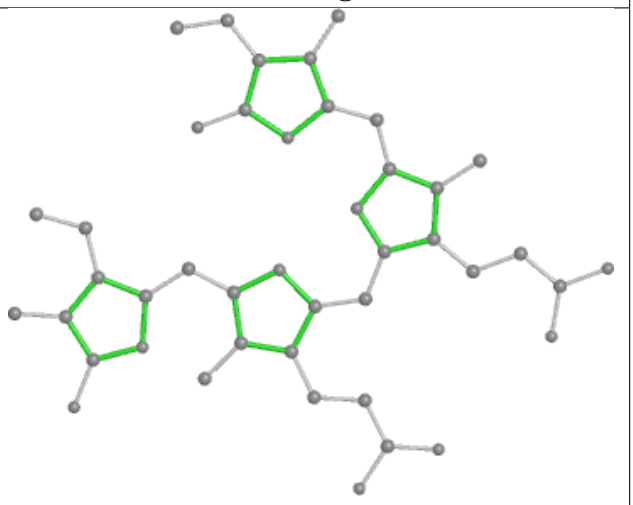
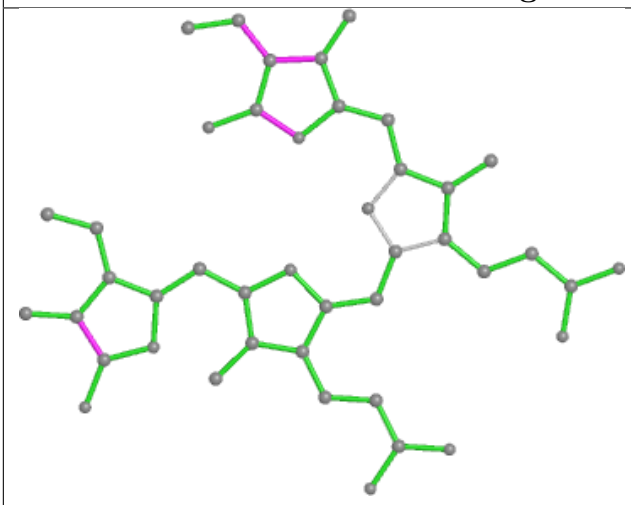


Rings

Ligand PEB cS 202



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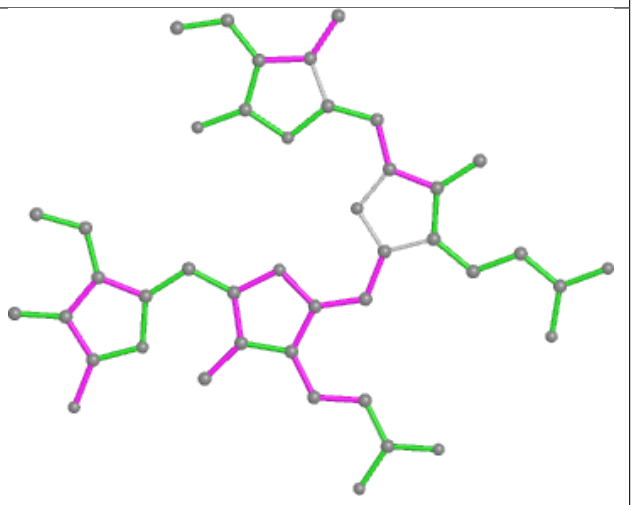

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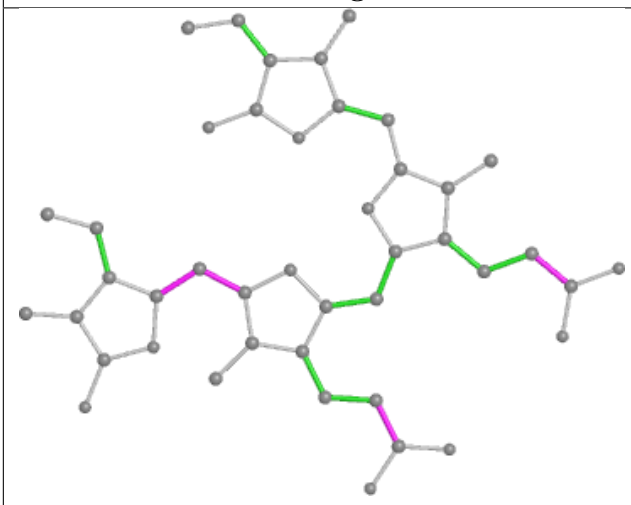

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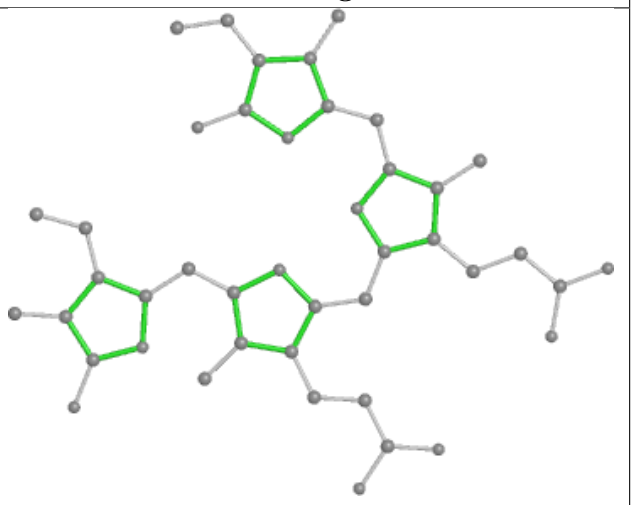
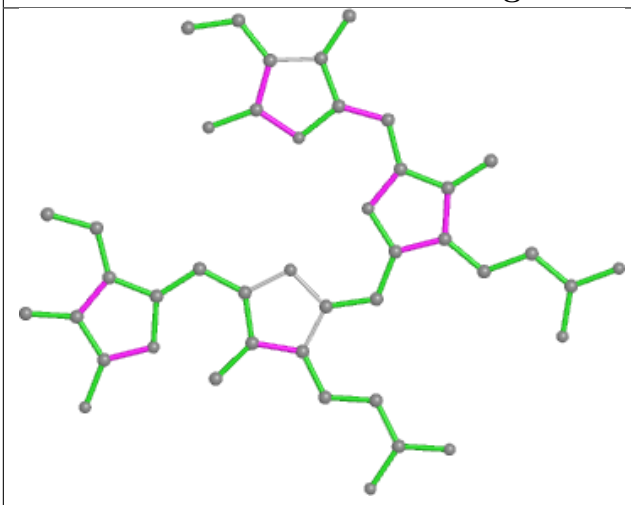


Rings

Ligand PUB bY 1005



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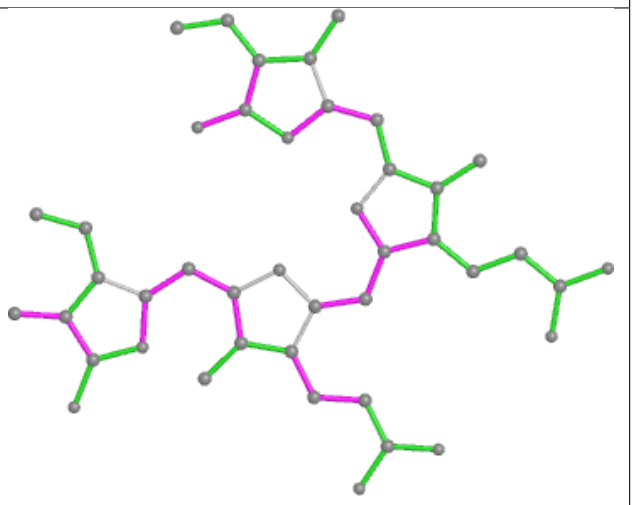

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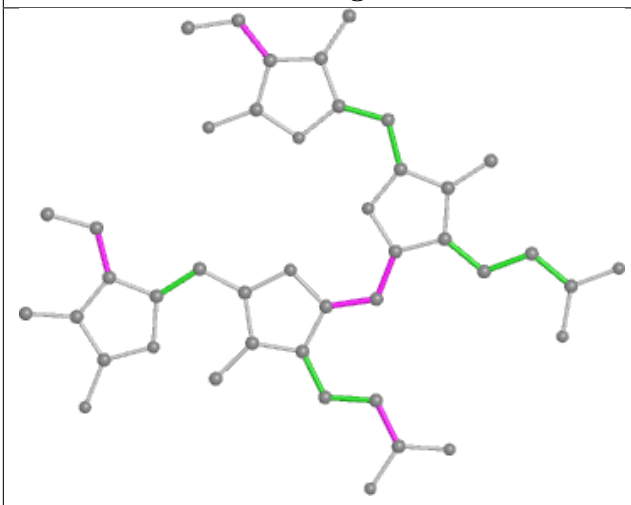

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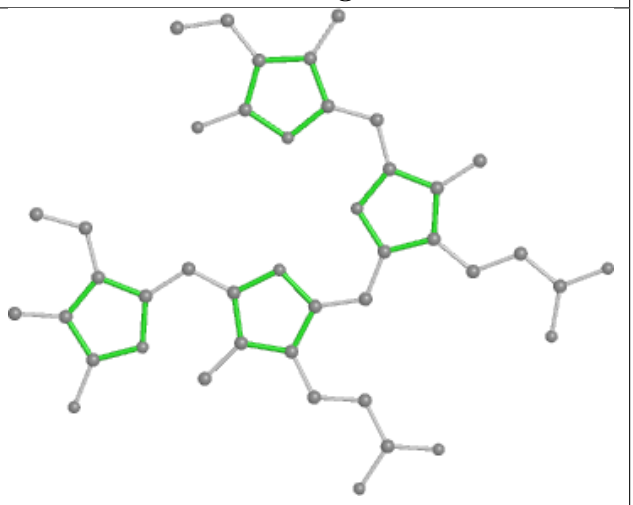

Rings

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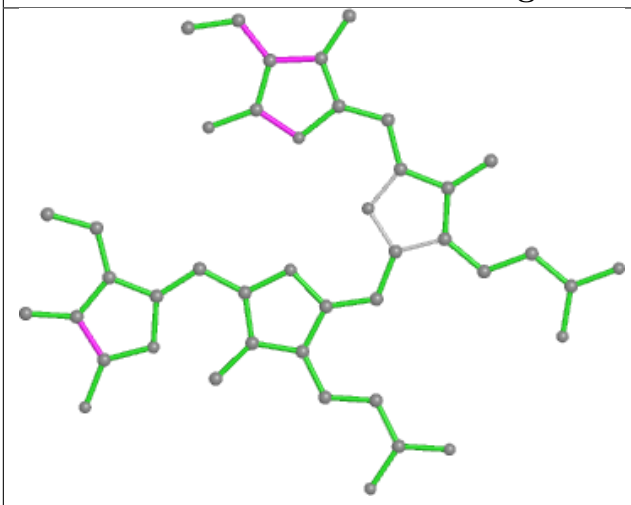

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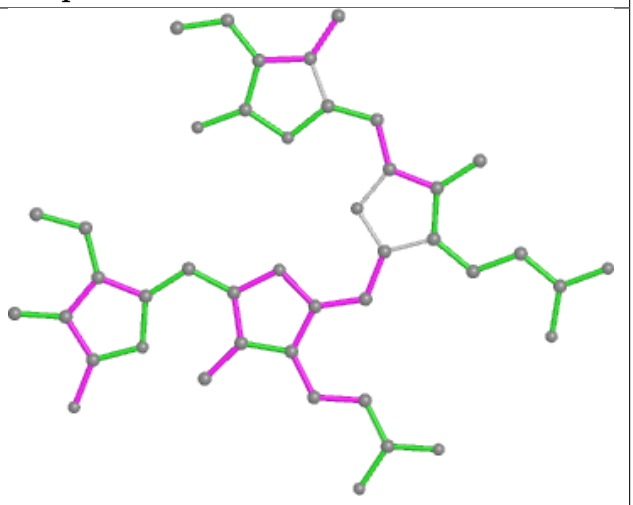

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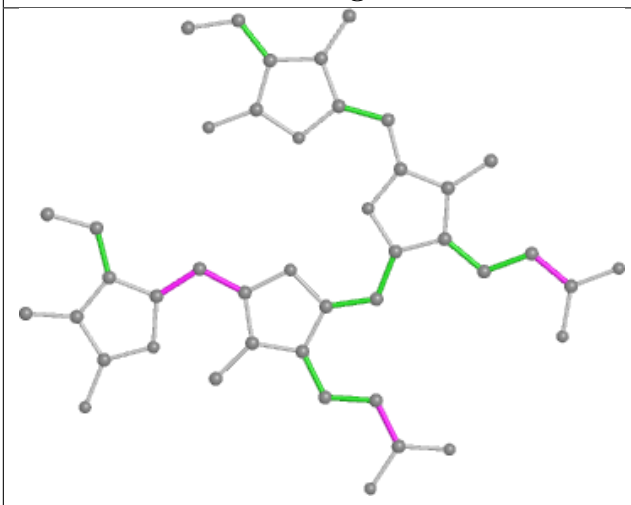

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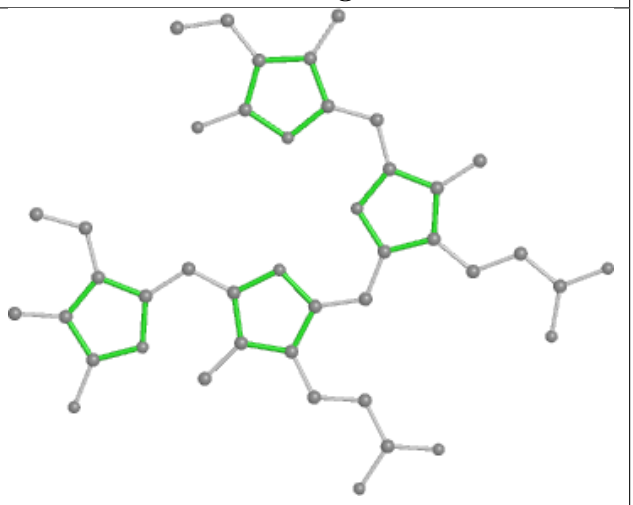
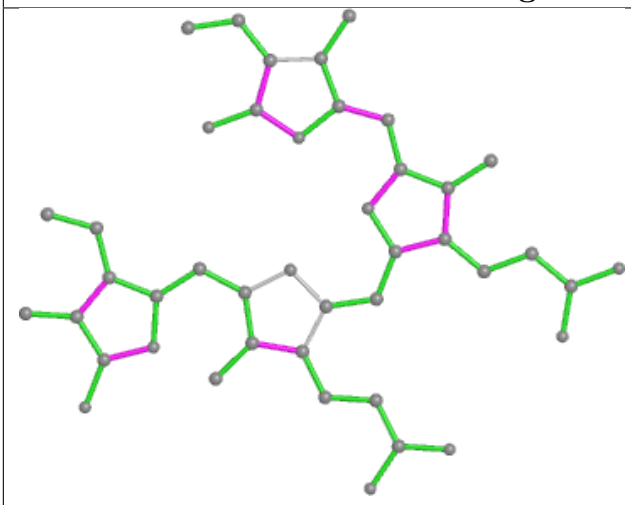


Rings

Ligand PUB c3 305



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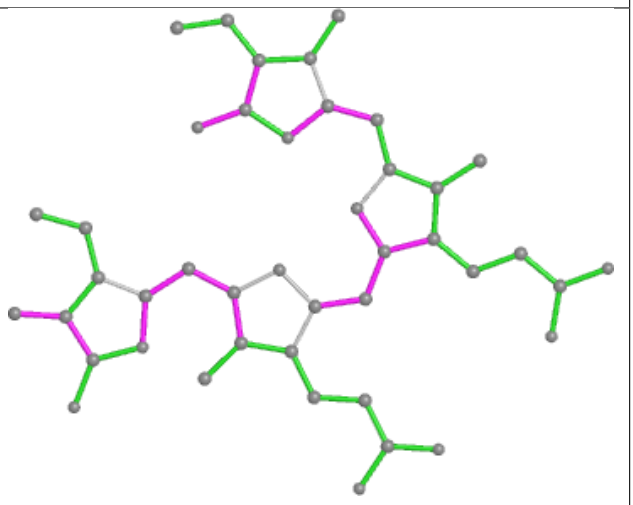

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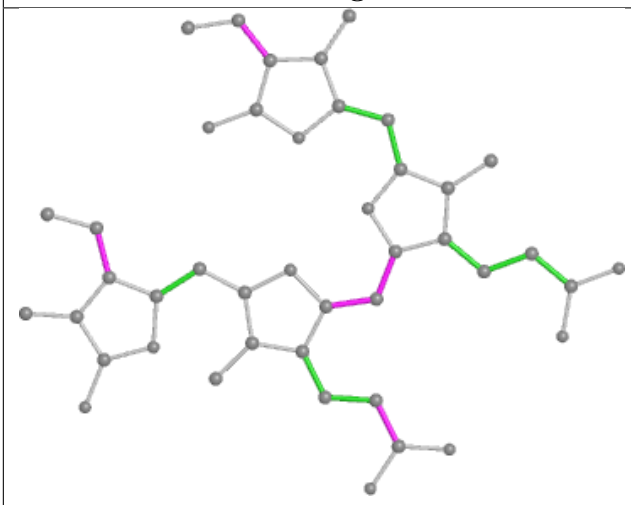

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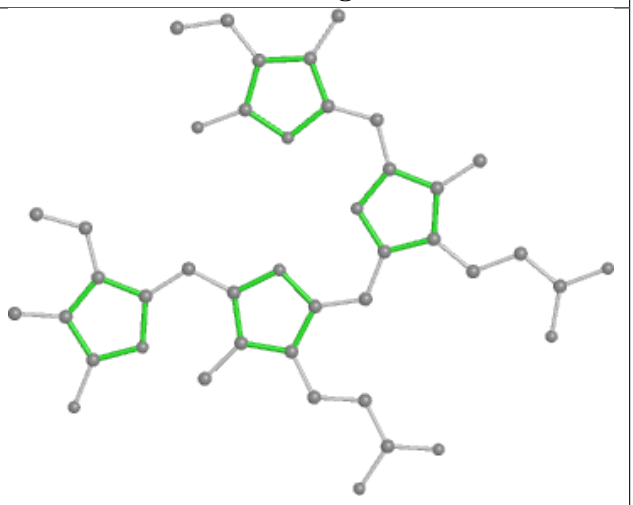

Rings

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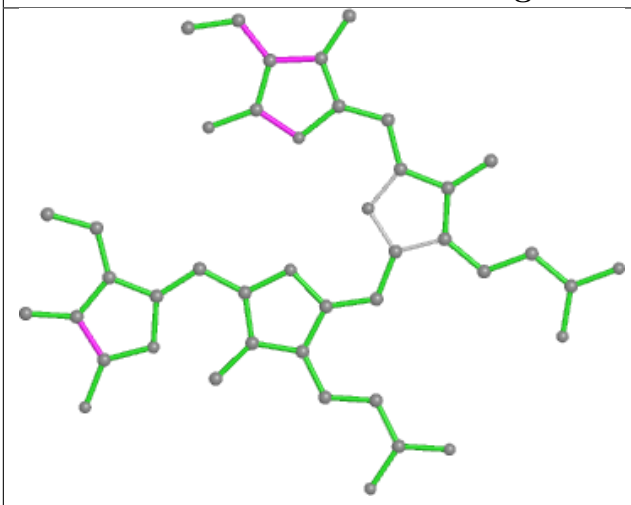

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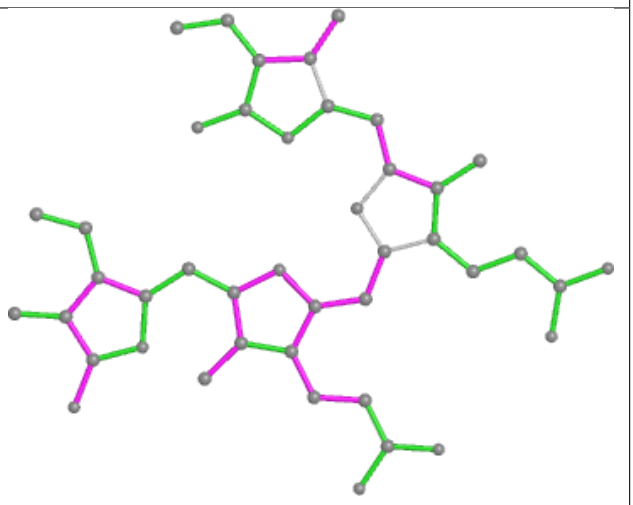

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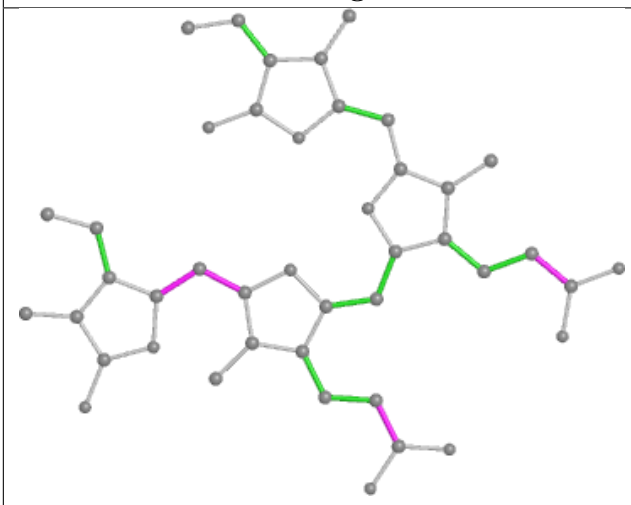

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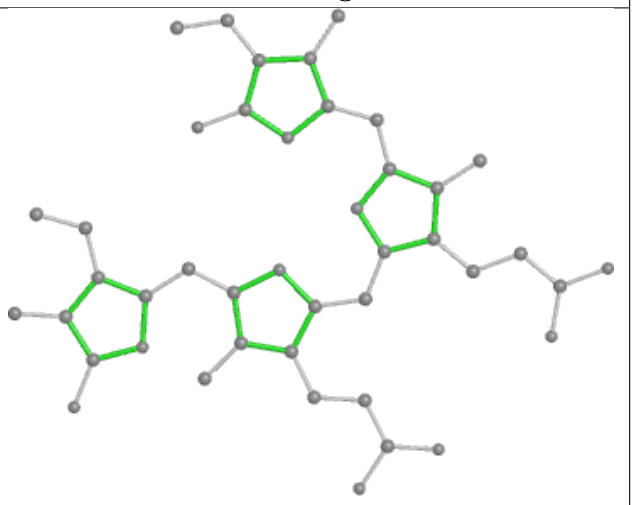
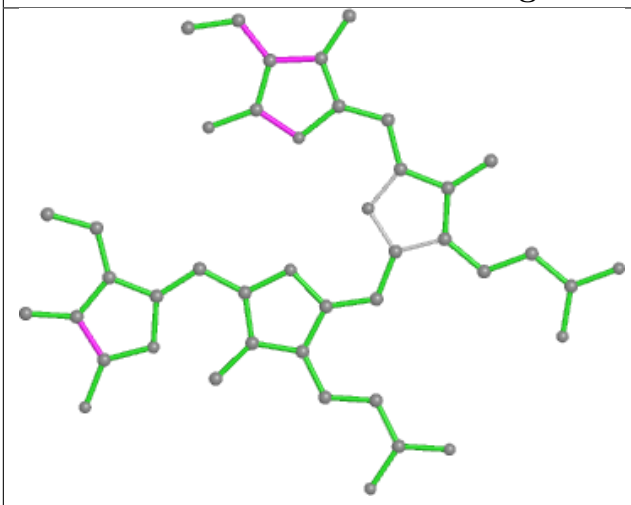


Rings

Ligand PEB aS 202



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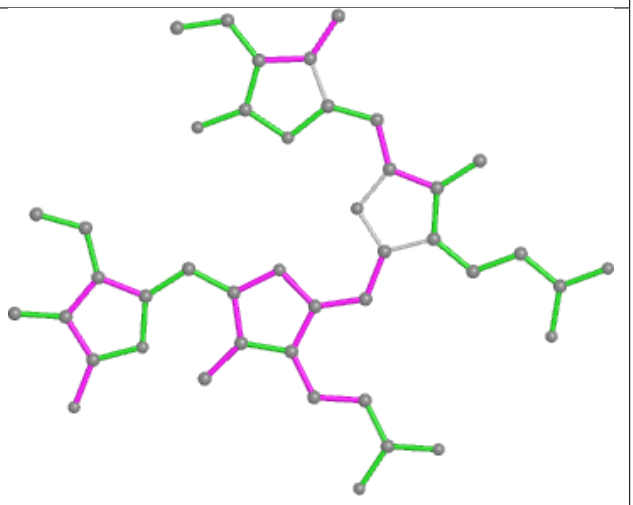

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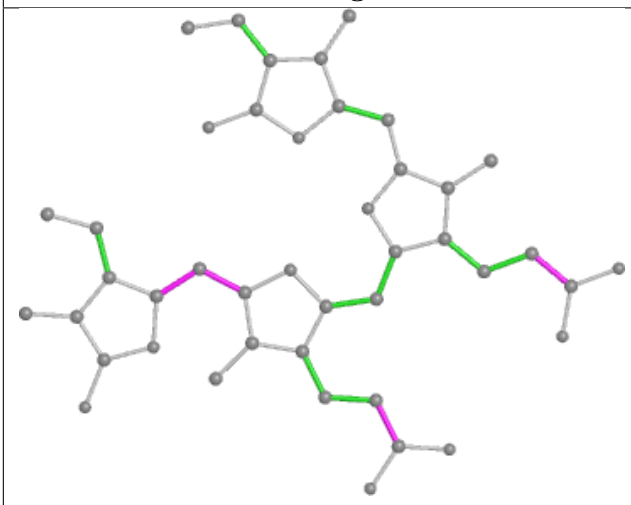
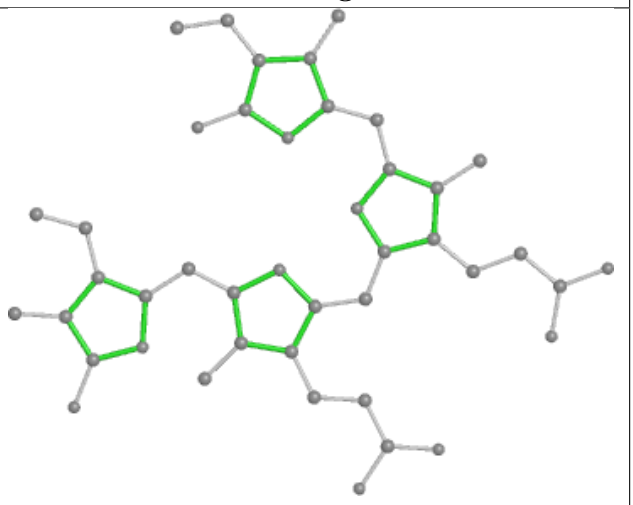
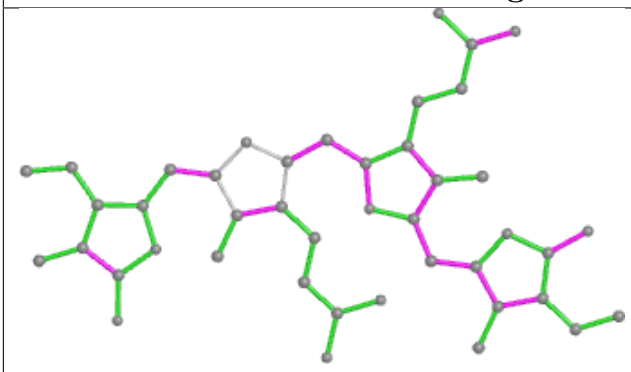


Torsions



Rings

Ligand CYC d1 1001



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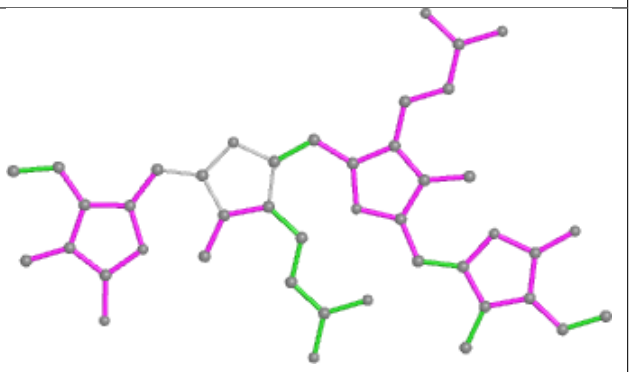

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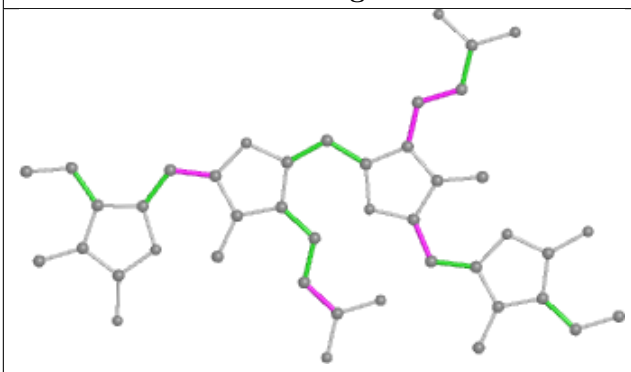
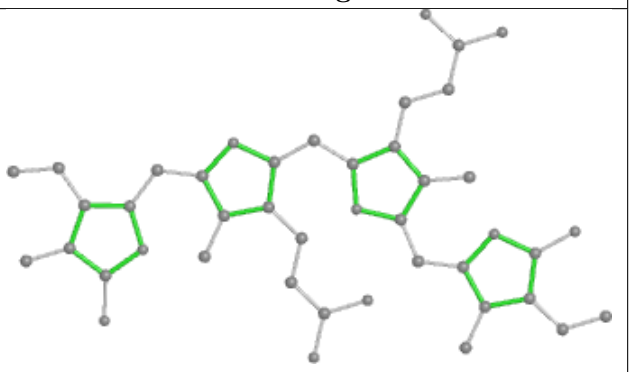
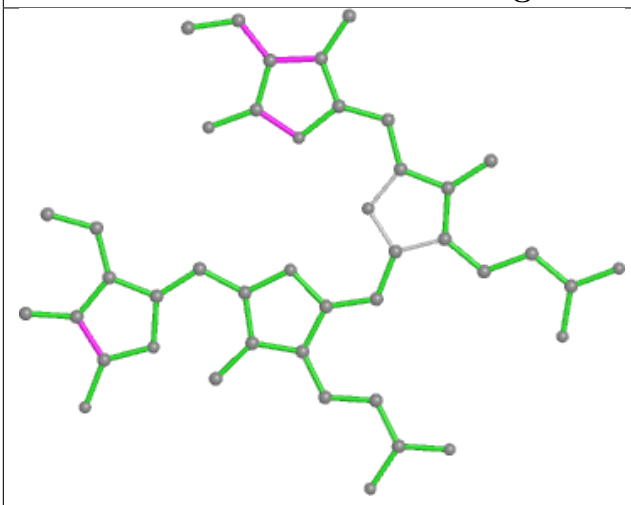


Torsions



Rings

Ligand PEB m2 201



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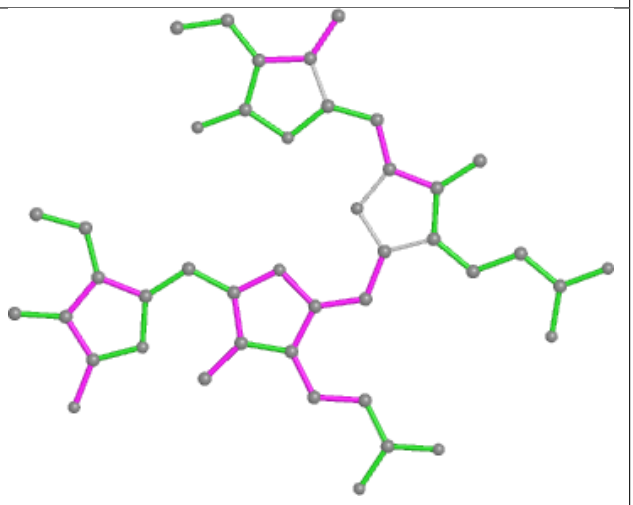

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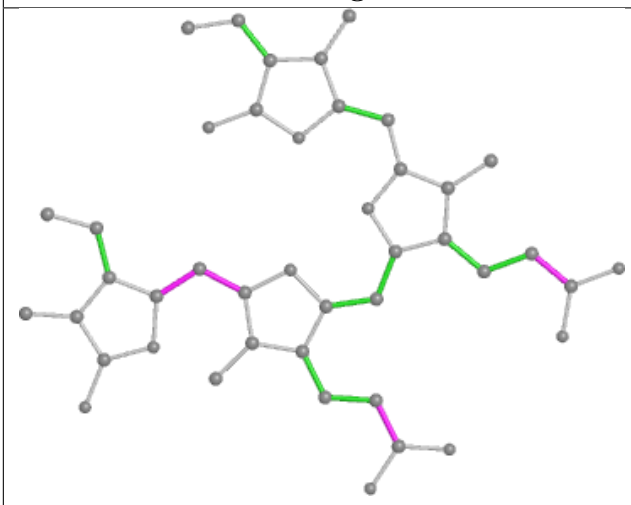

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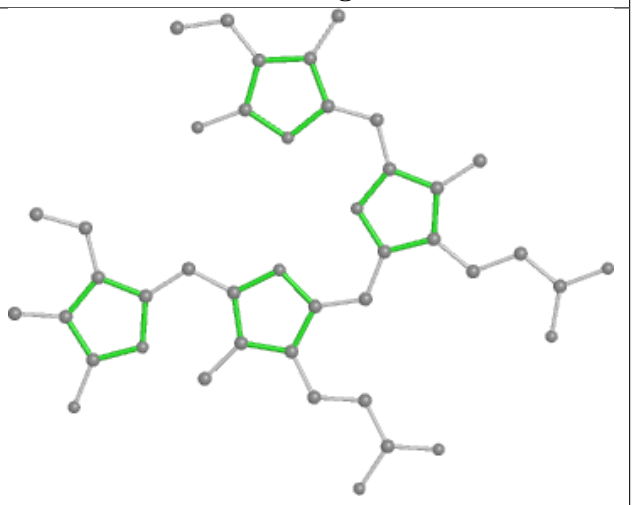

Rings

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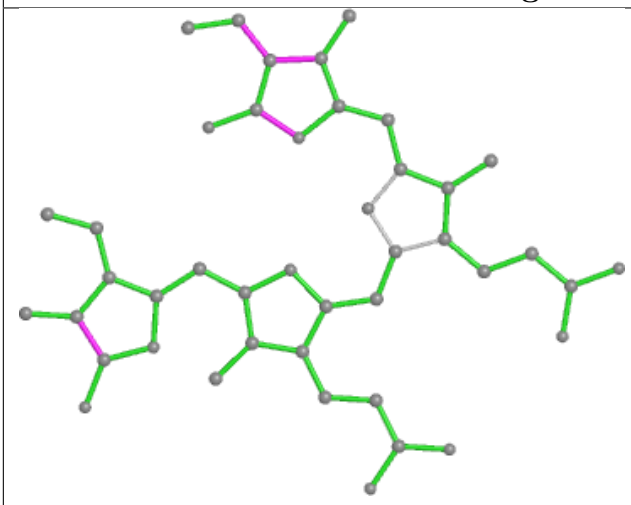

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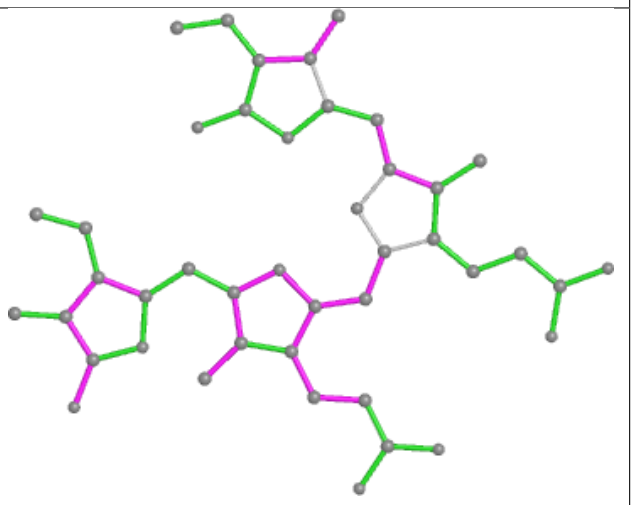

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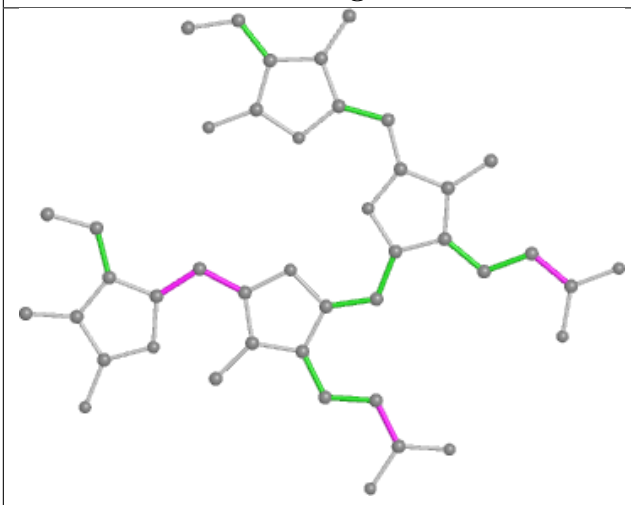

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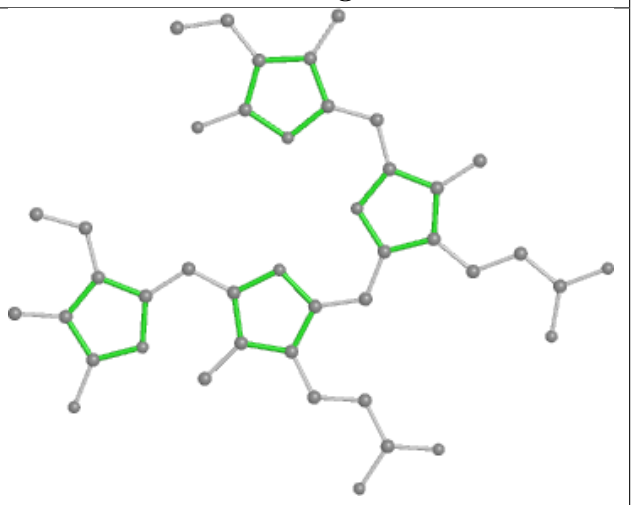

Rings

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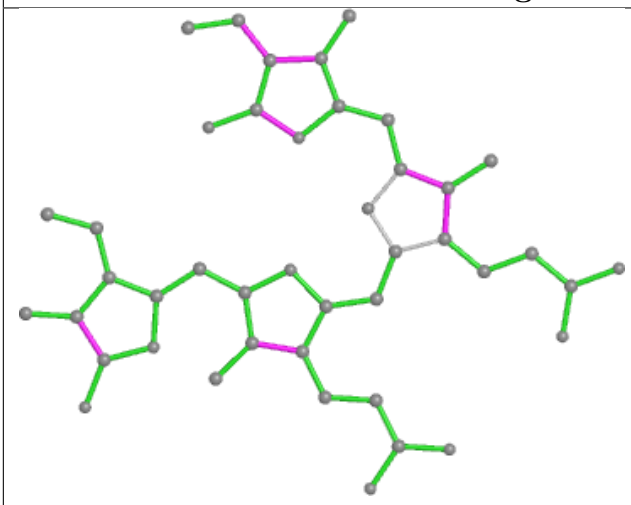

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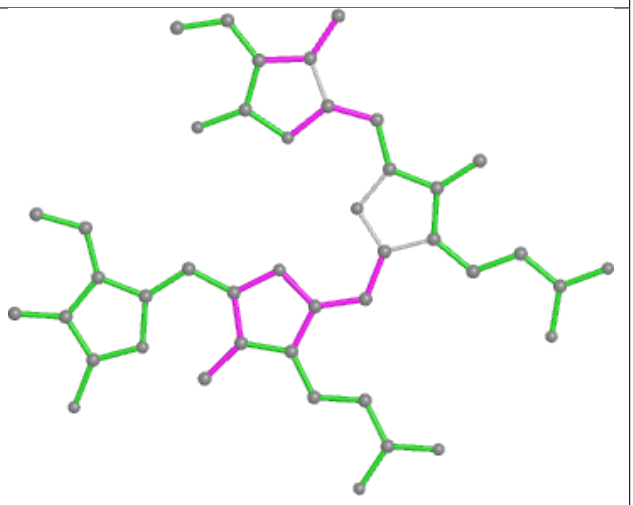

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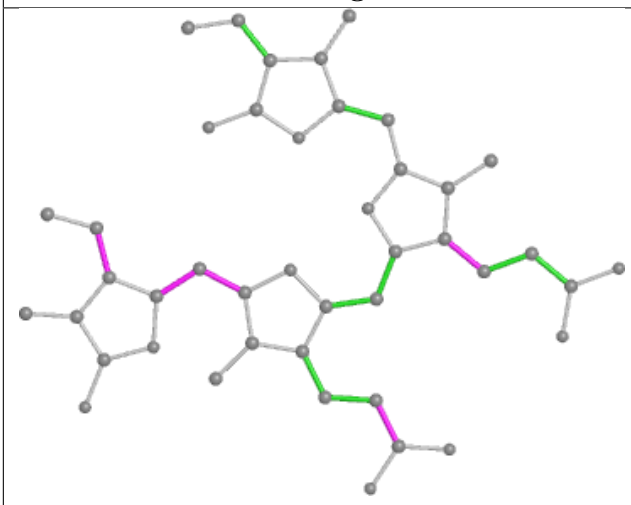

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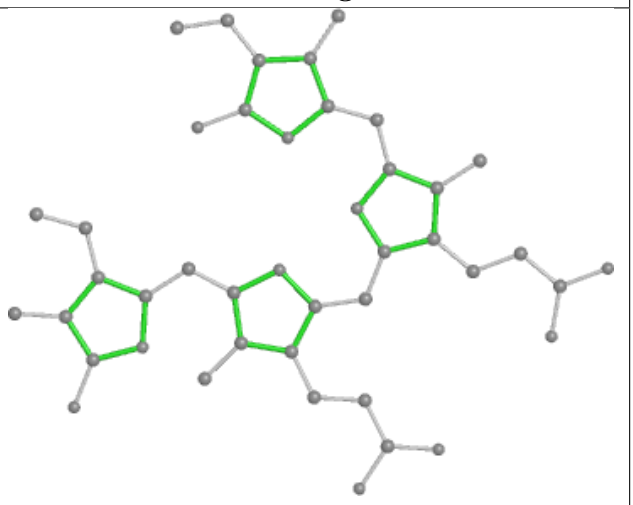

Rings

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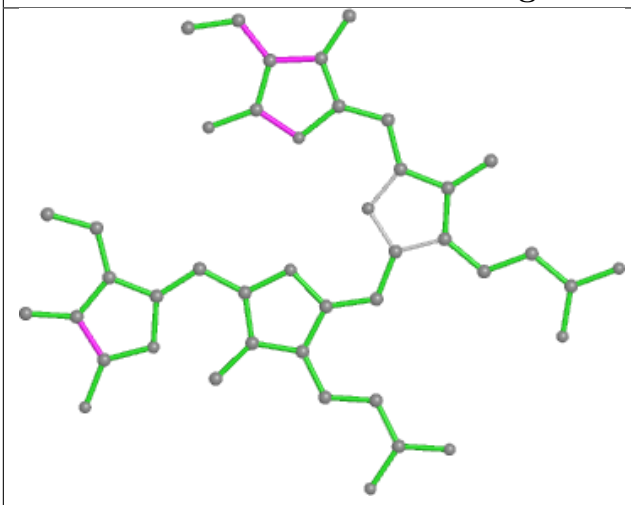

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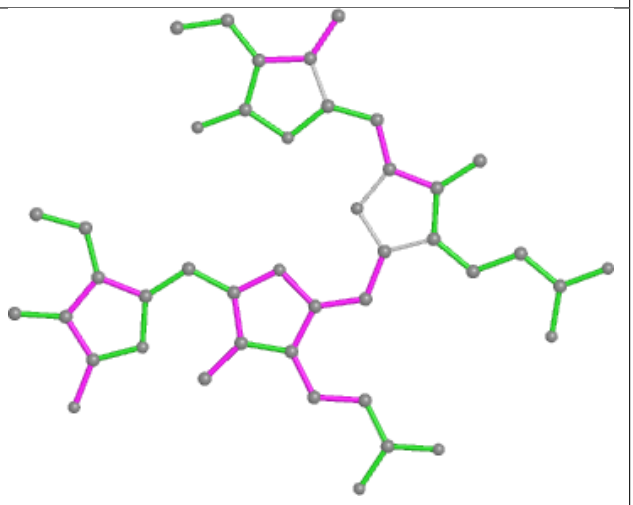

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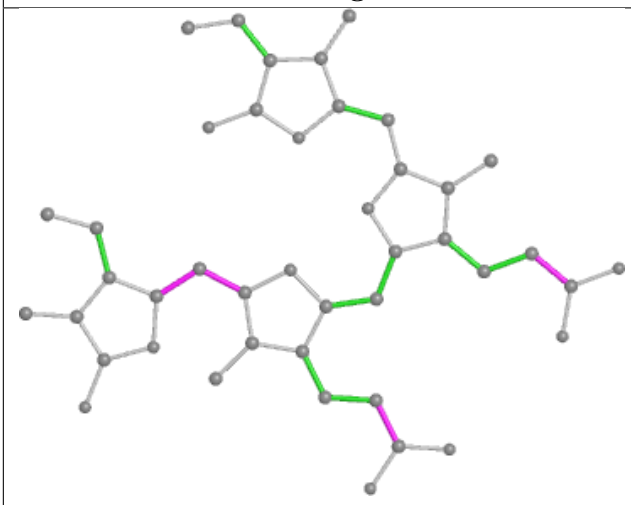

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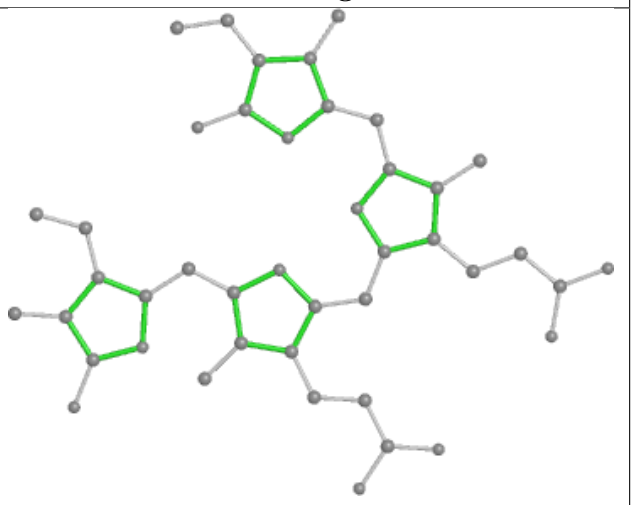

Rings

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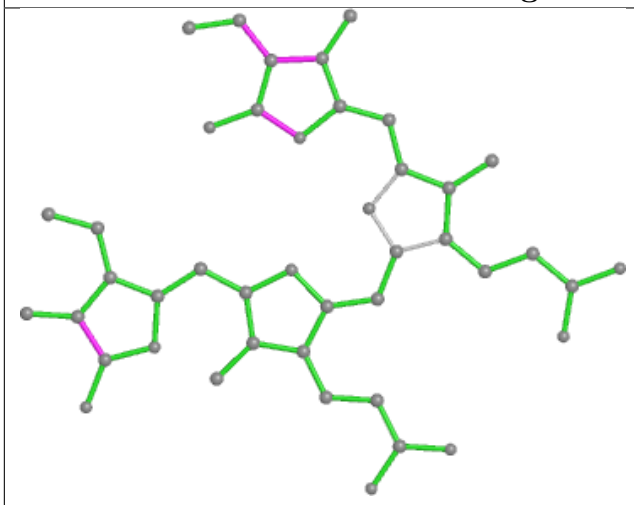

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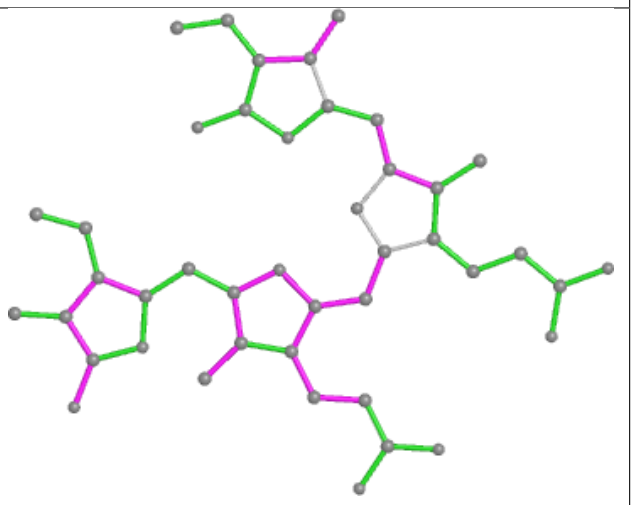

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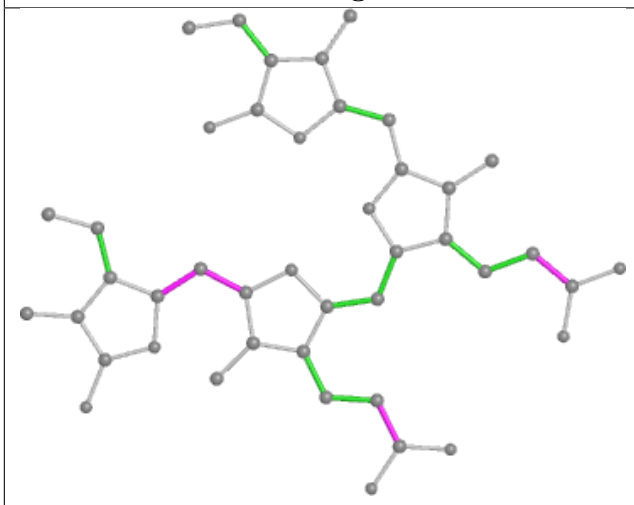

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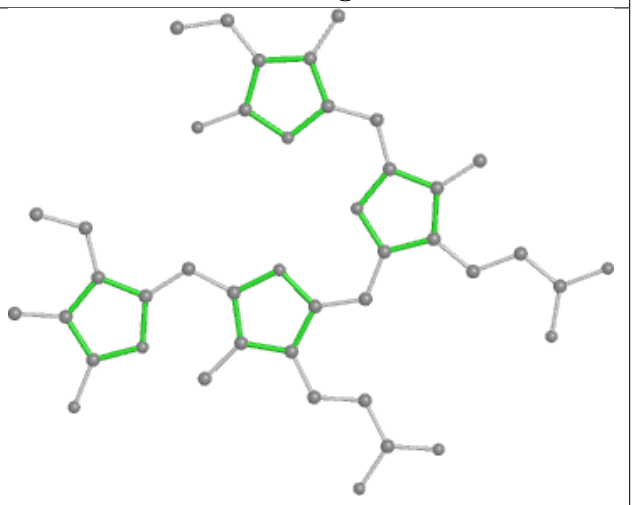
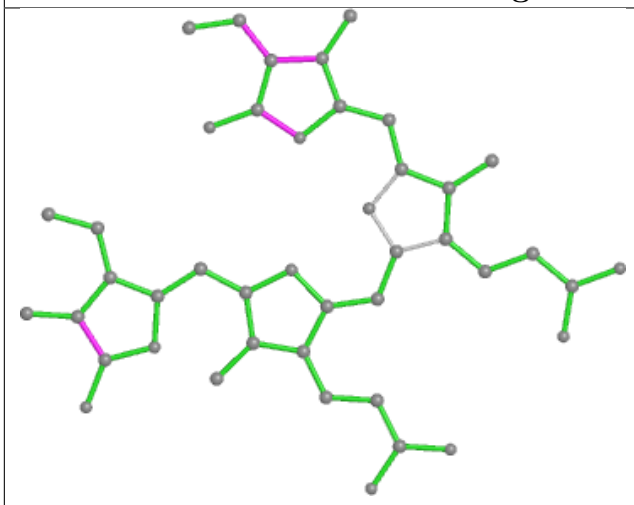


Rings

Ligand PEB ek 1001



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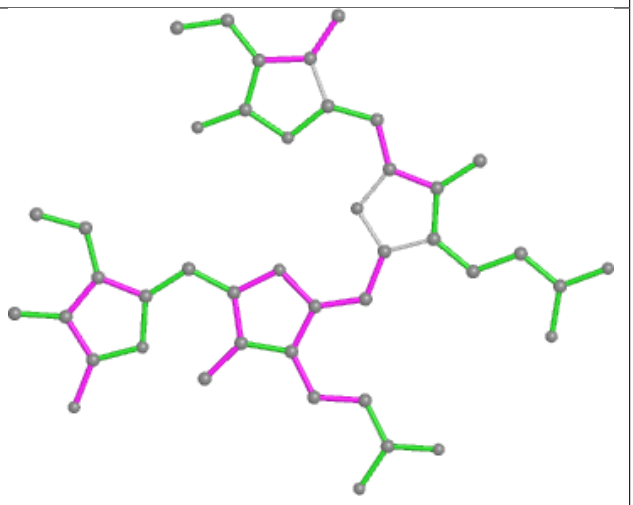

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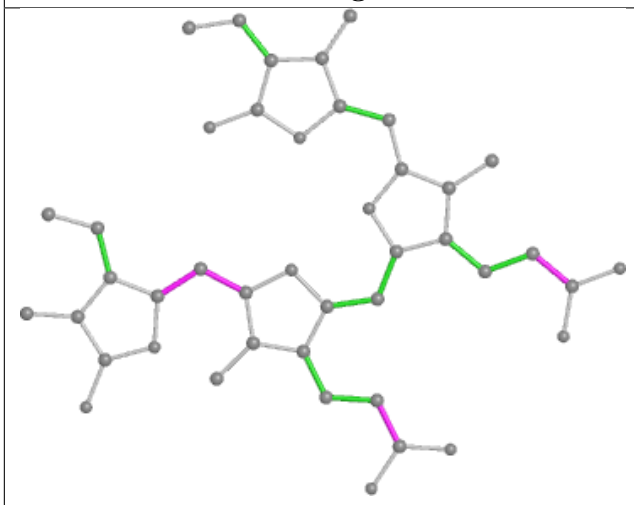

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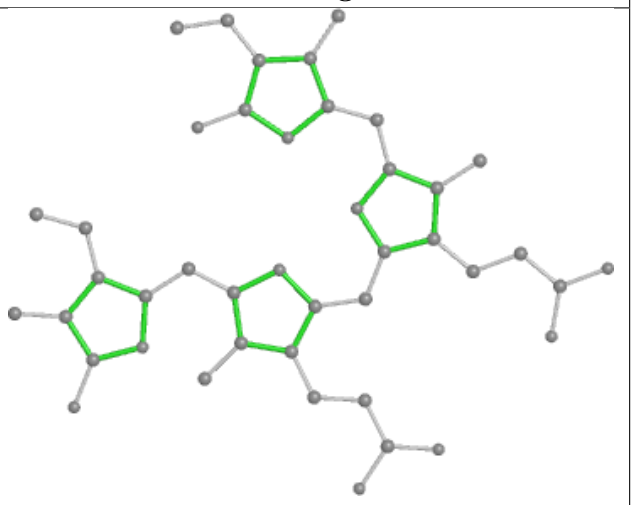

Rings

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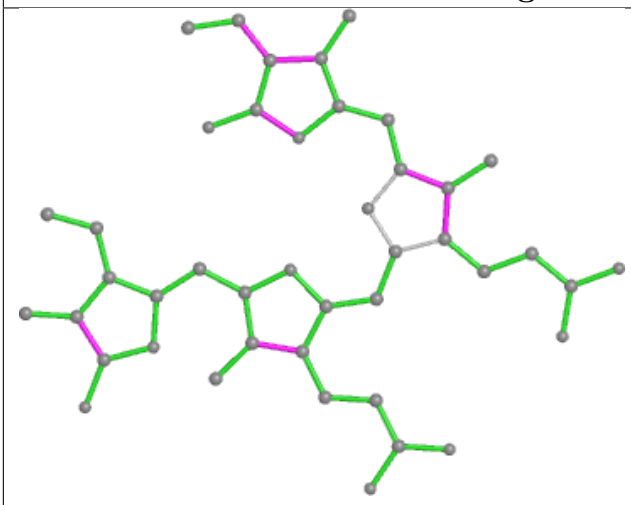

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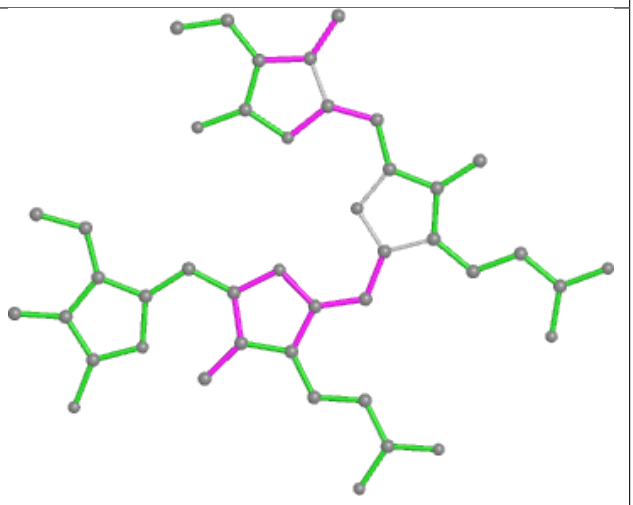

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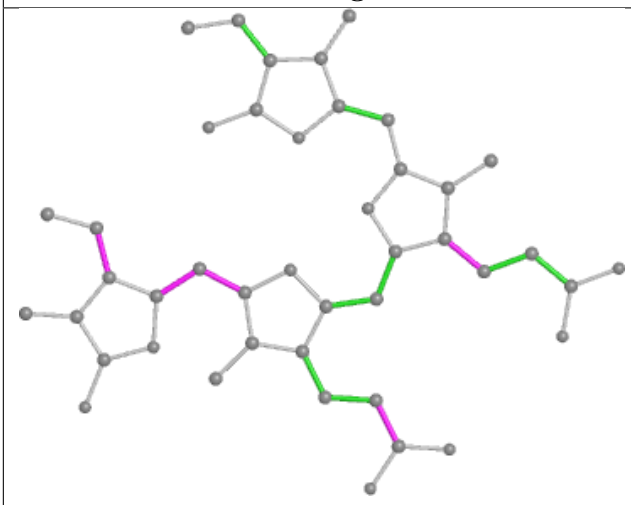

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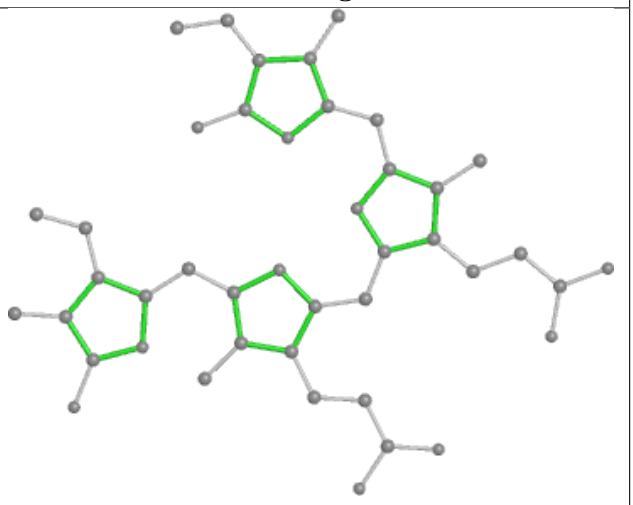

Rings

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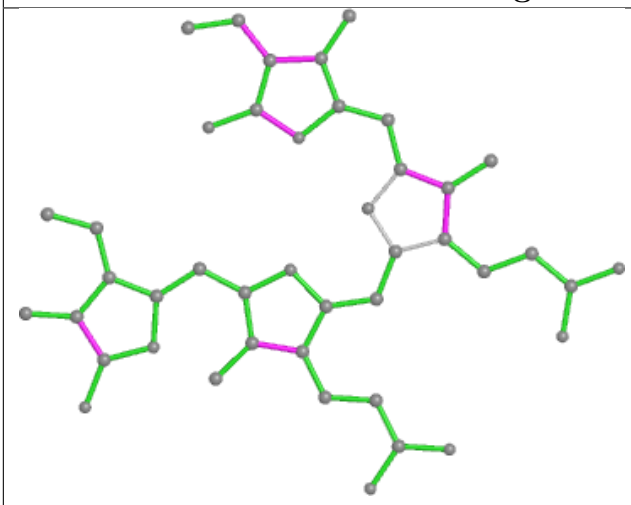

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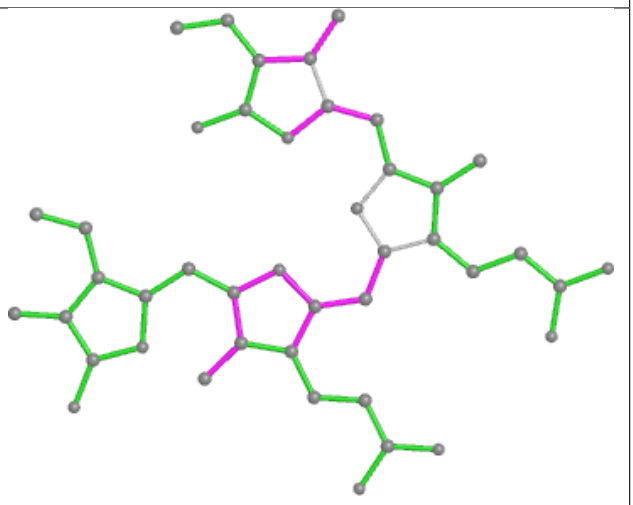

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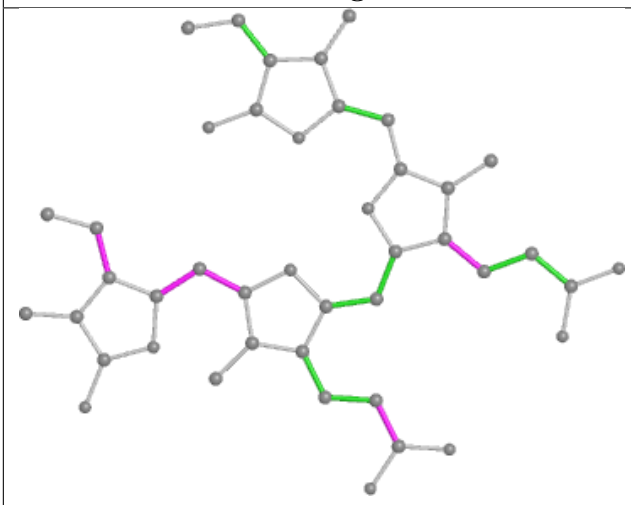

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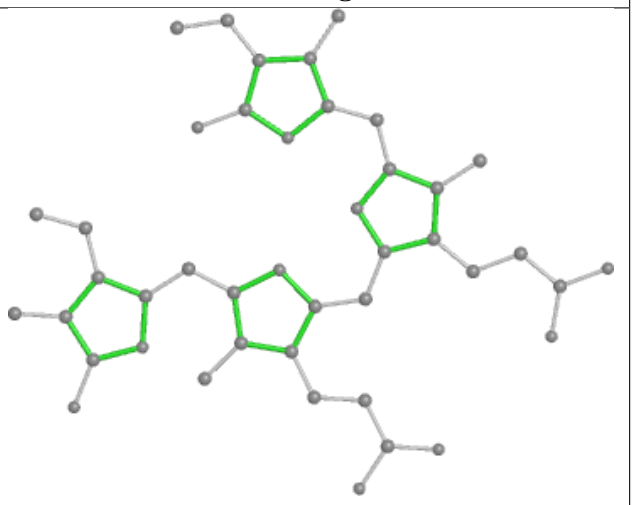
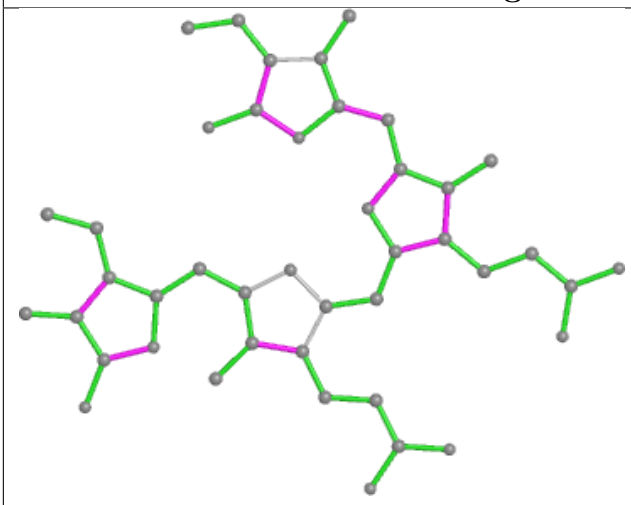


Rings

Ligand PUB kR 1003



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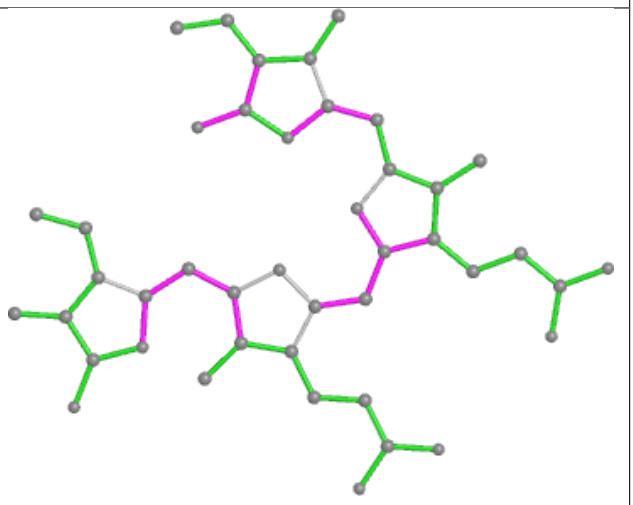

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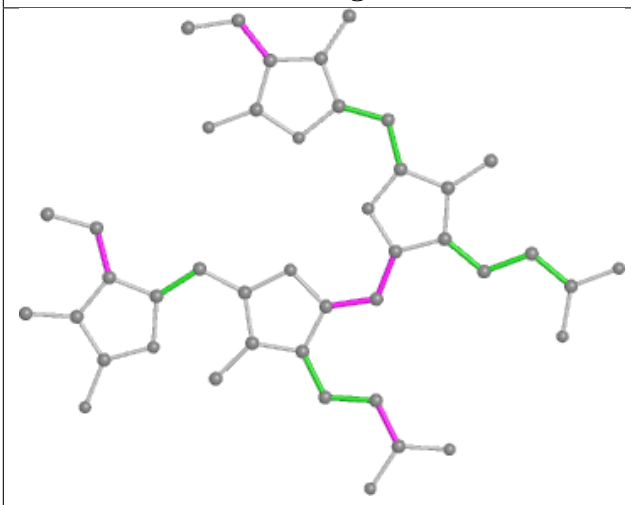

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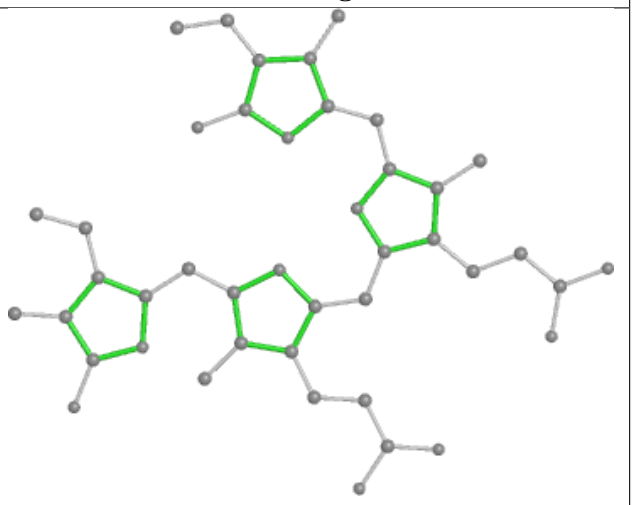

Rings

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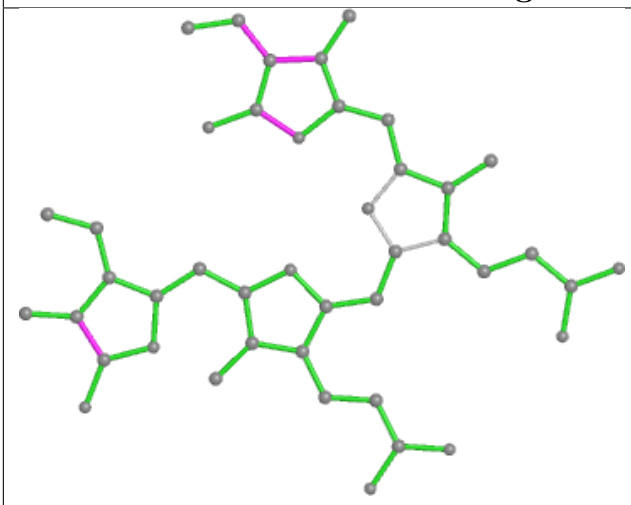

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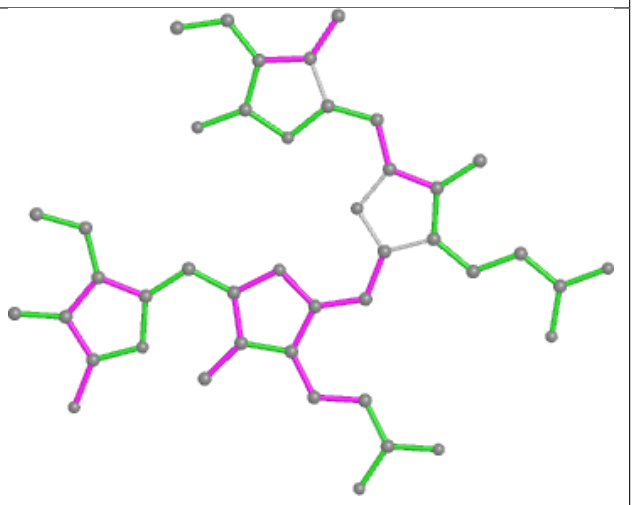

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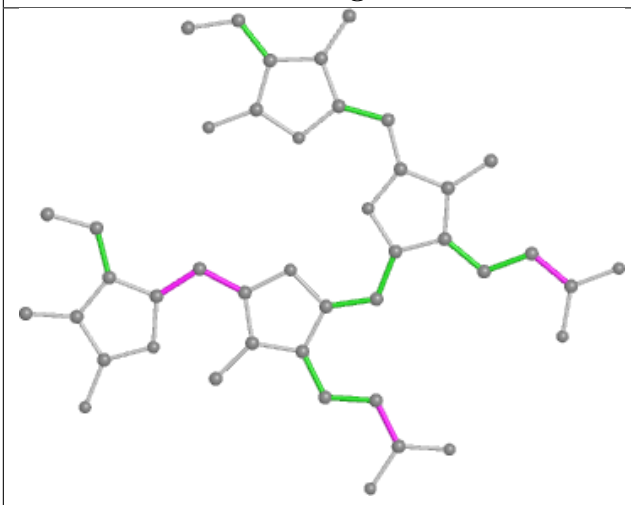

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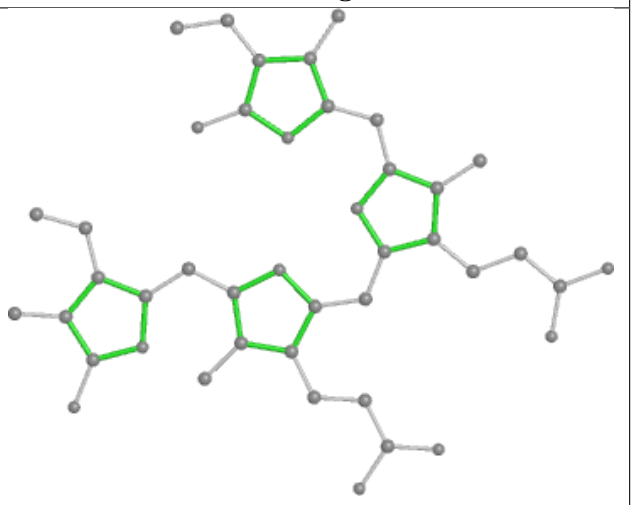

Rings

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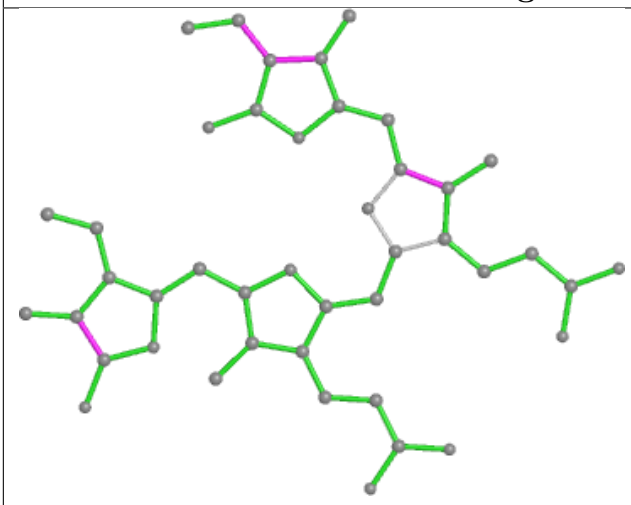

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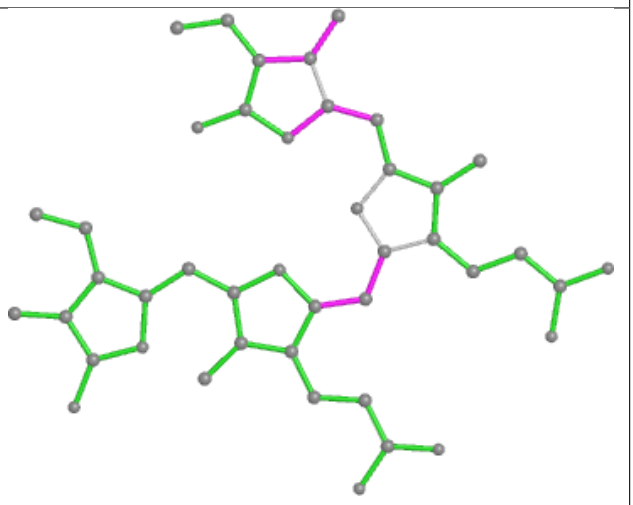

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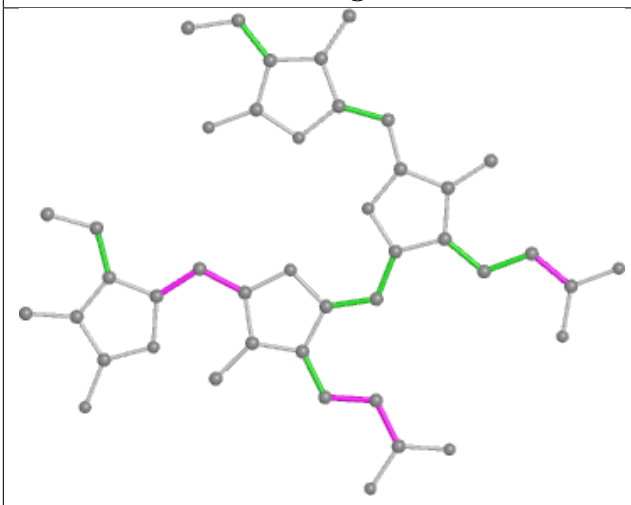

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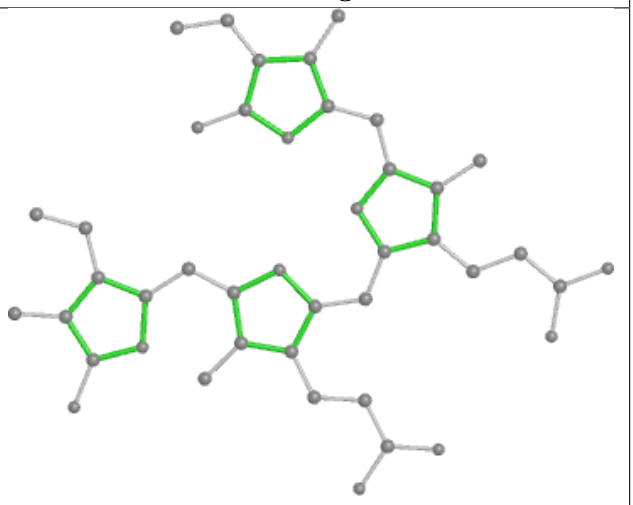
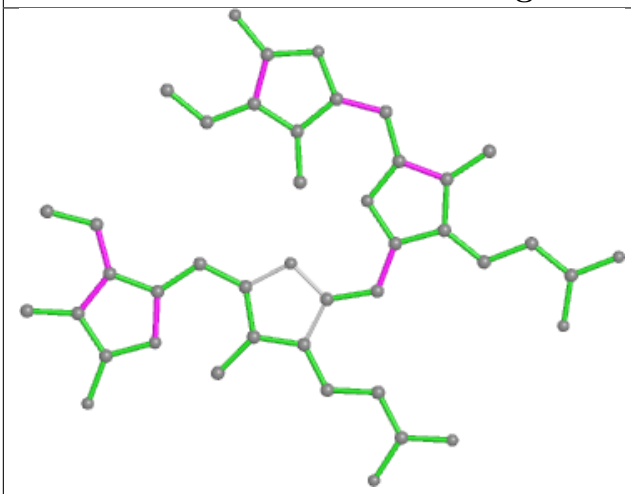


Rings

Ligand PVN d3 302



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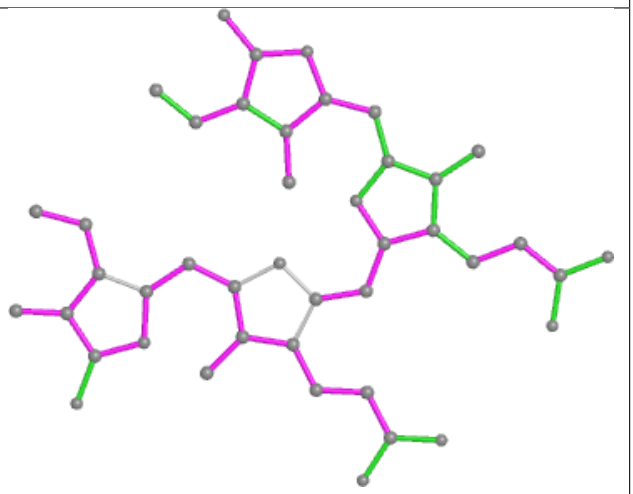

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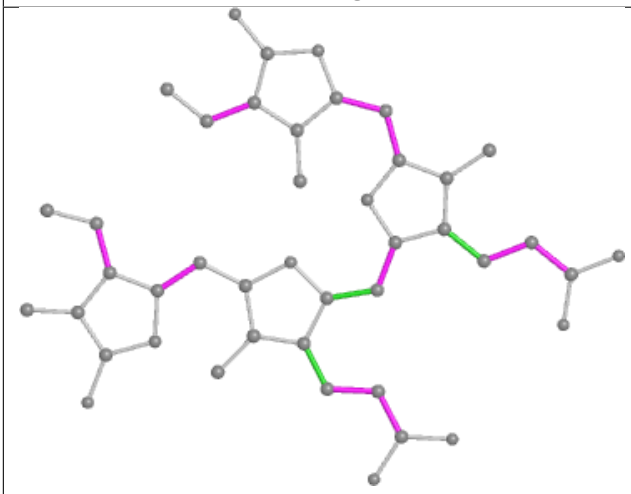

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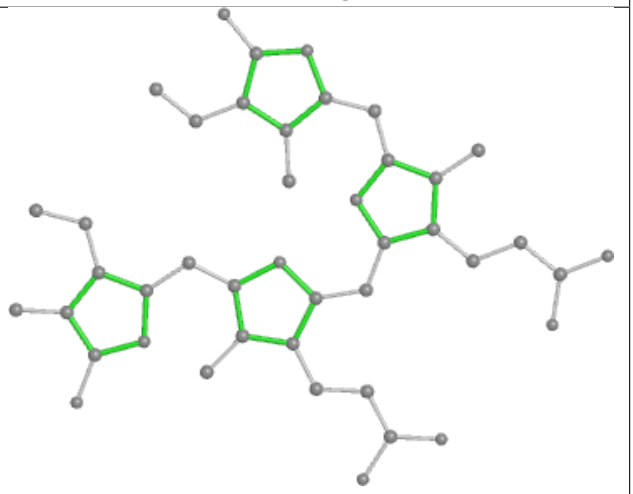
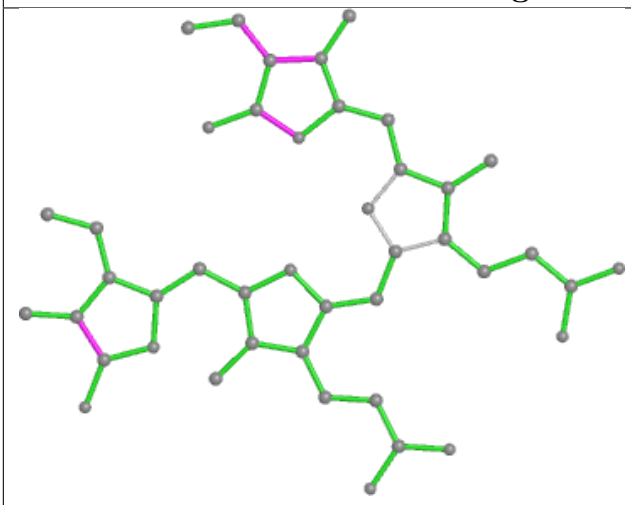


Rings

Ligand PEB c6 1002



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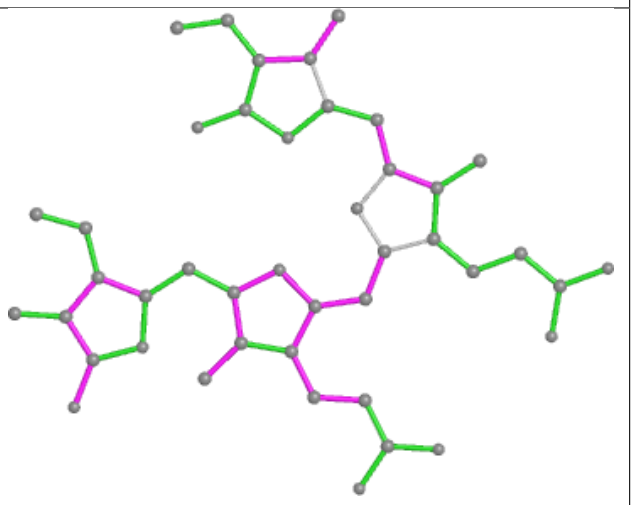
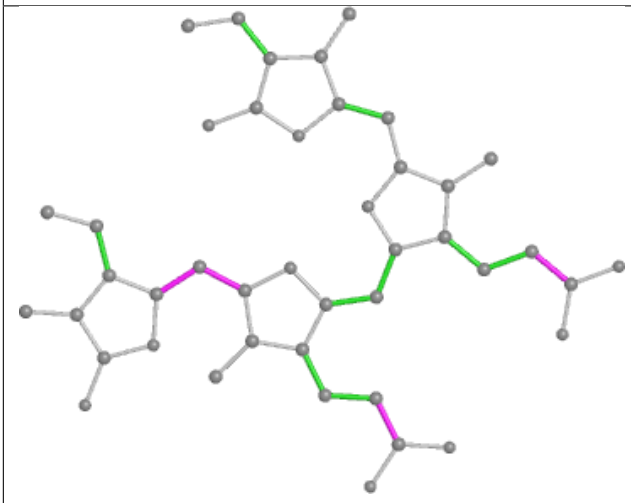
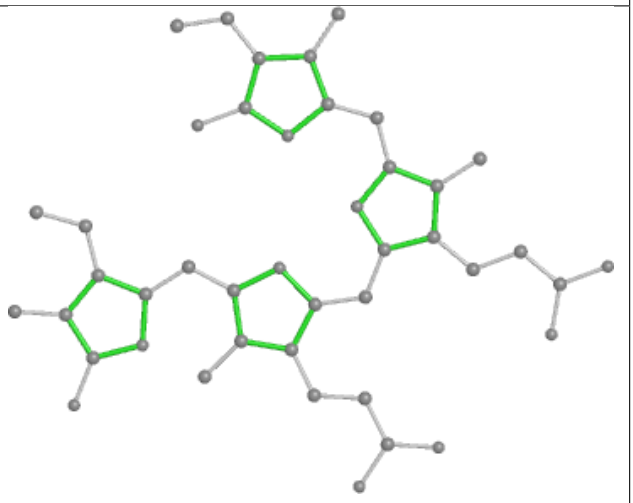


Bond angles

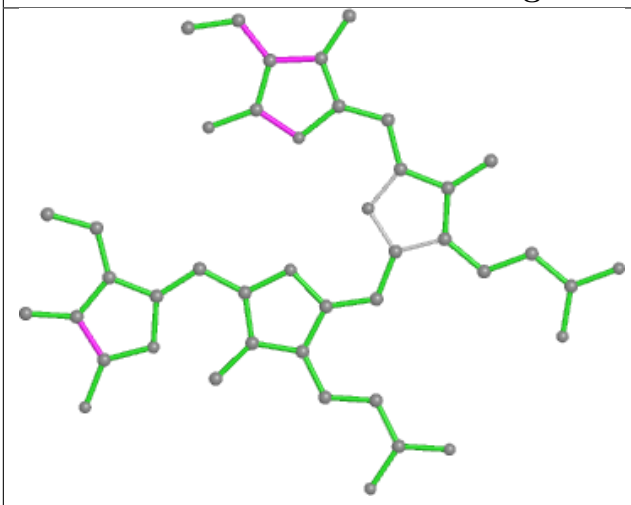


Torsions



Rings

Ligand PEB j6 202



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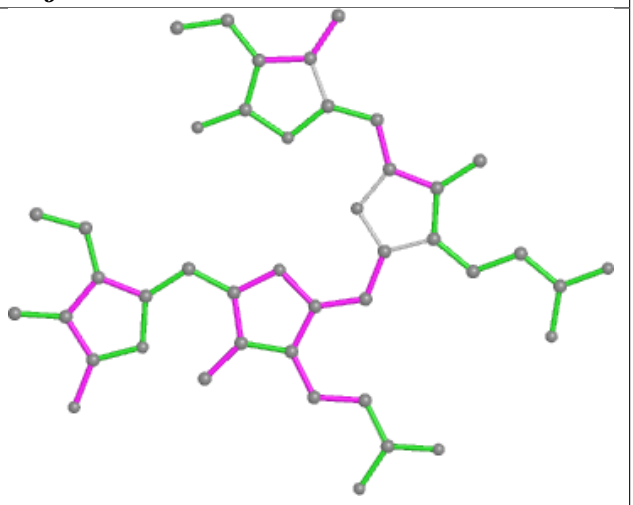

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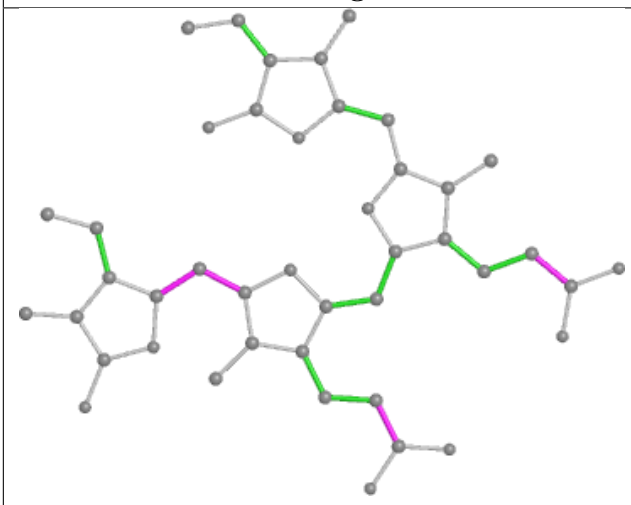

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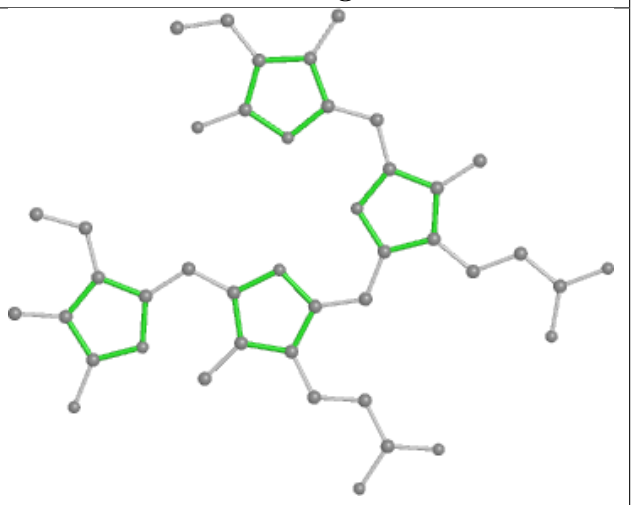
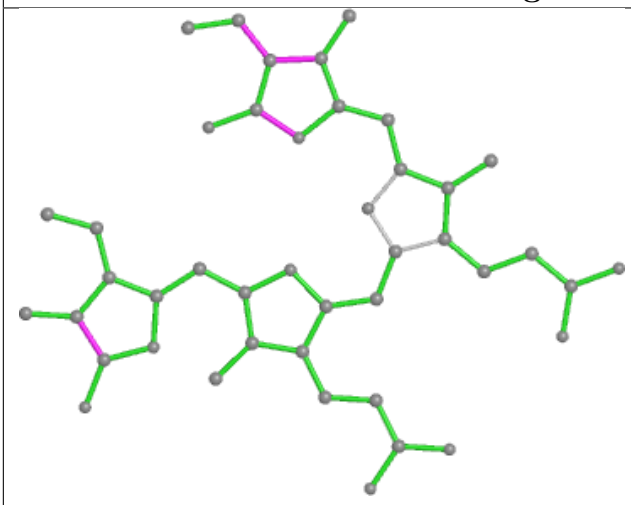


Rings

Ligand PEB lq 202



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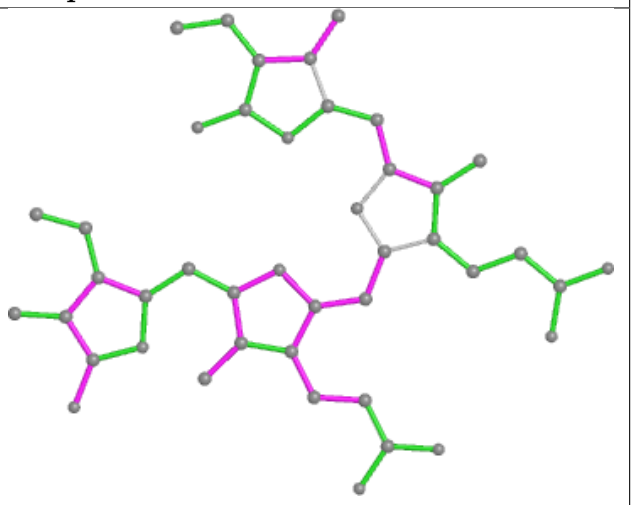

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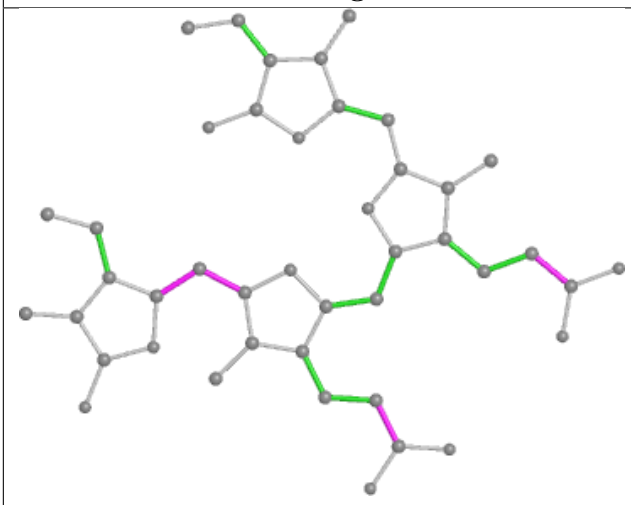

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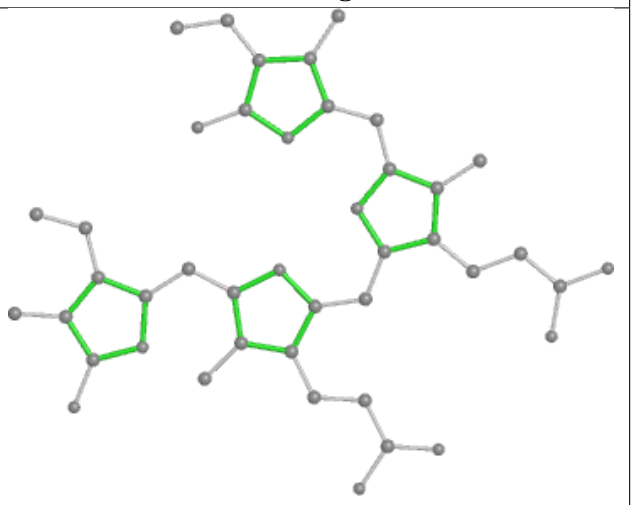
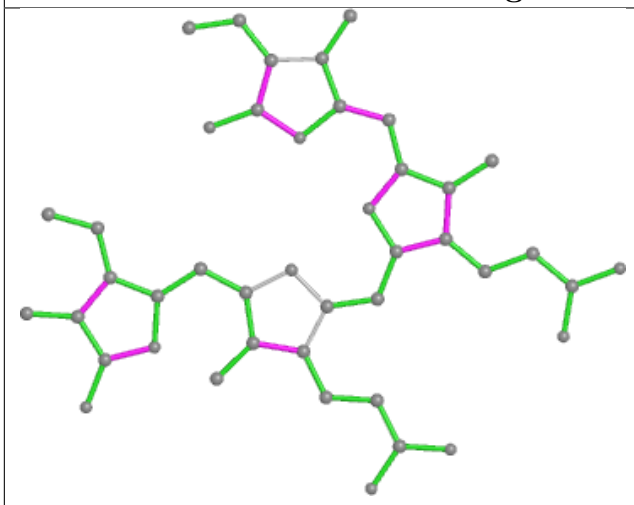


Rings

Ligand PUB jM 1003



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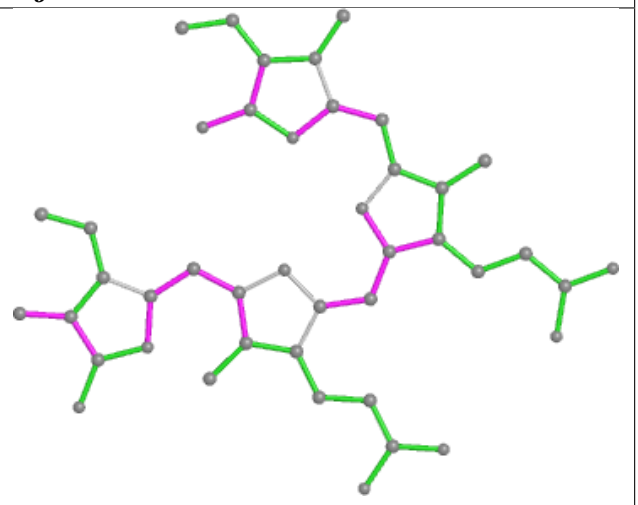

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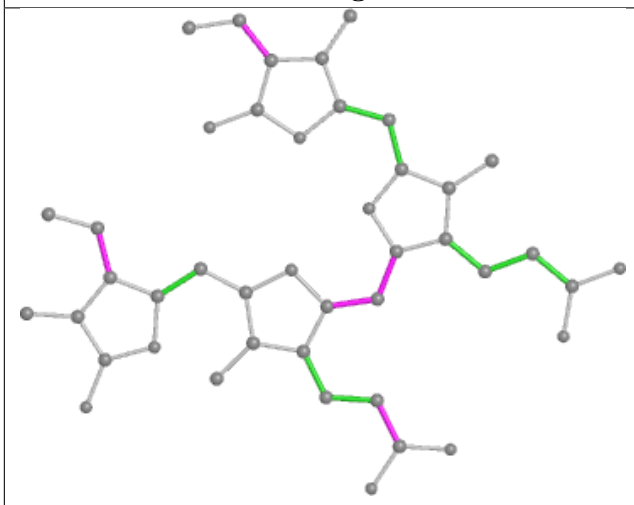

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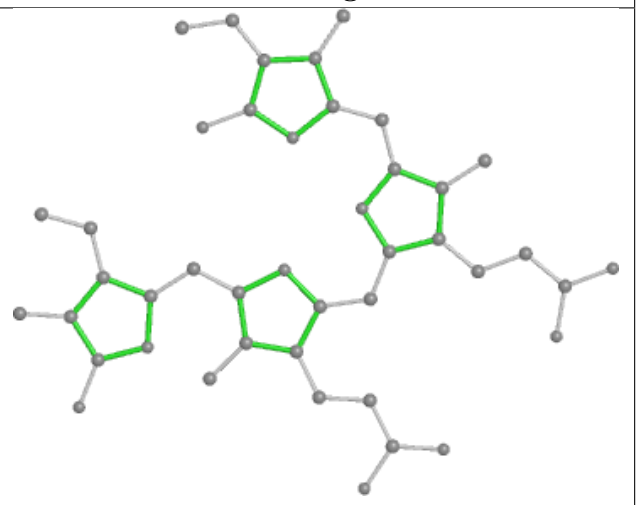

Rings

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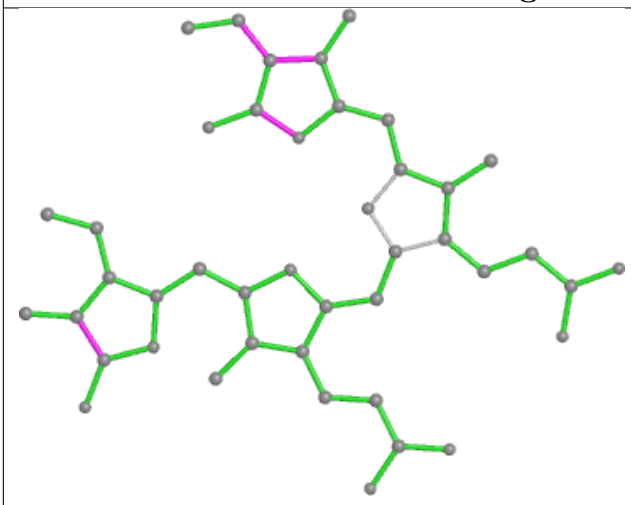

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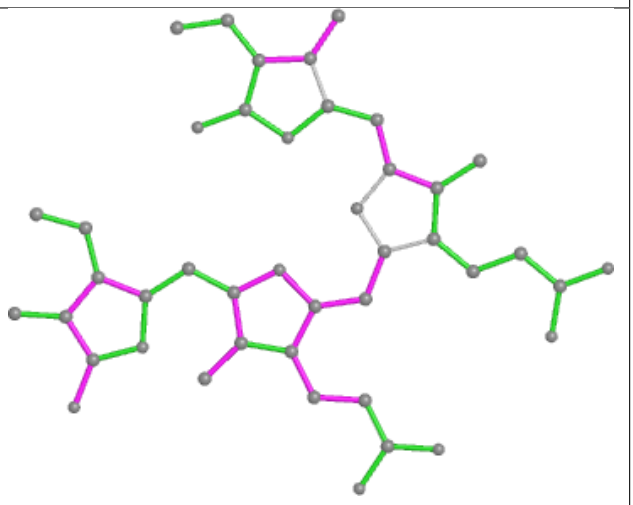

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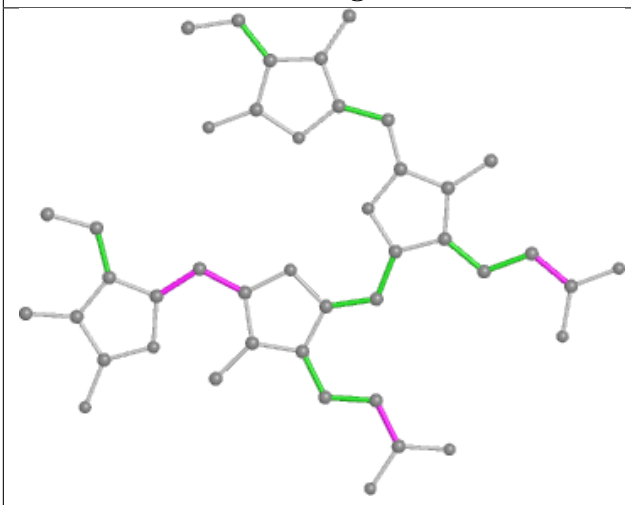

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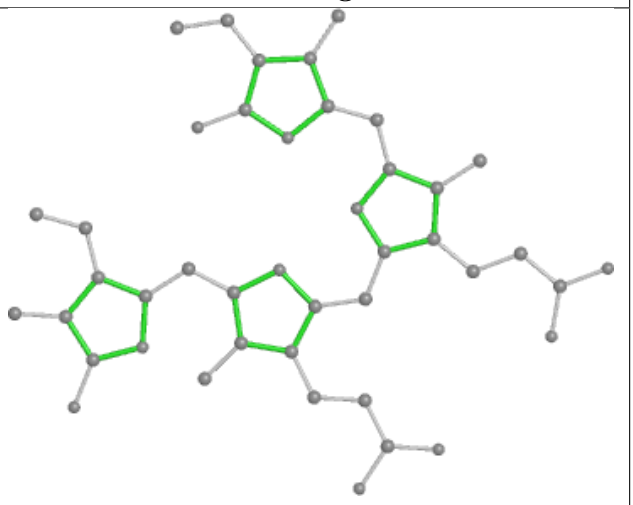

Rings

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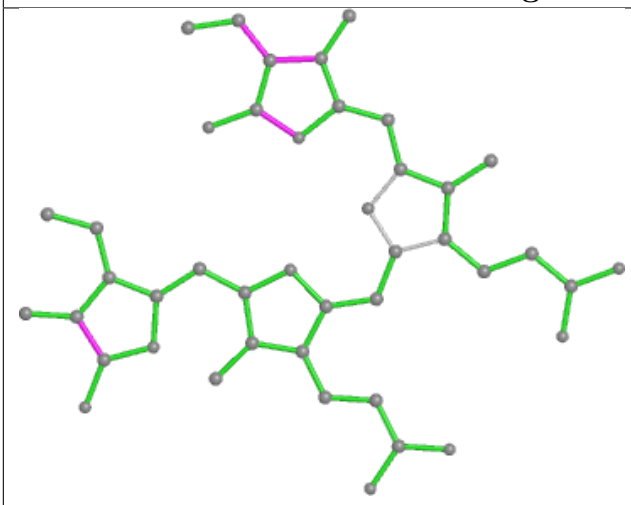

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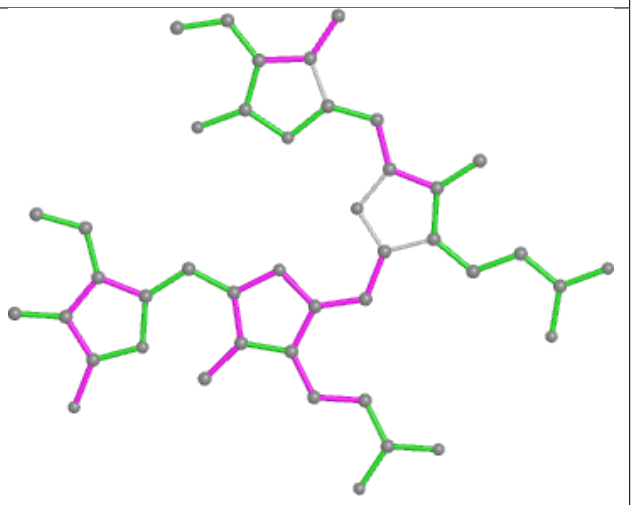

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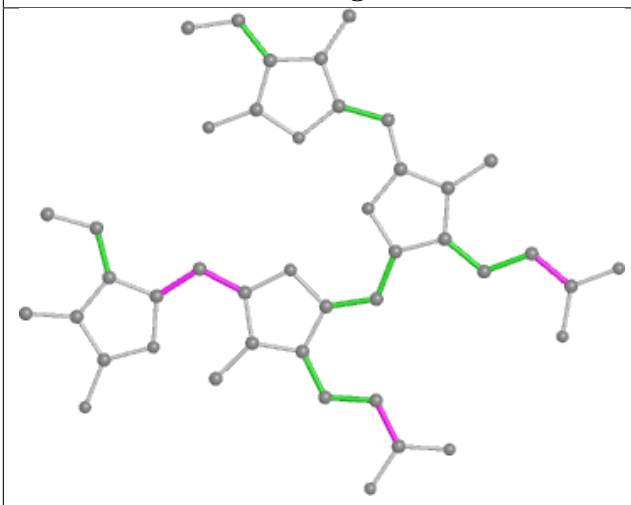

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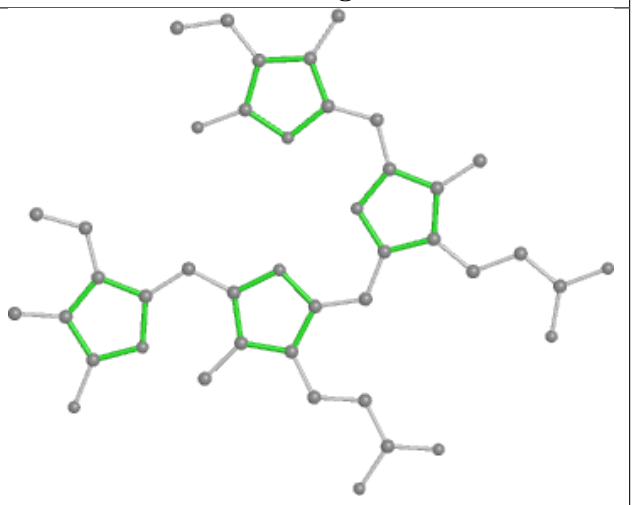

Rings

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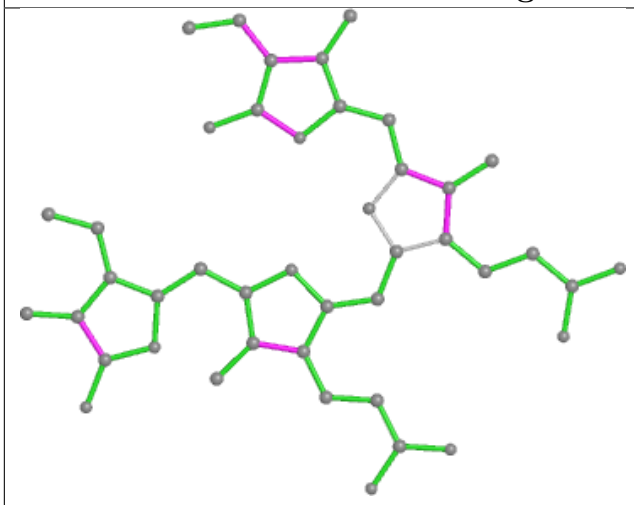

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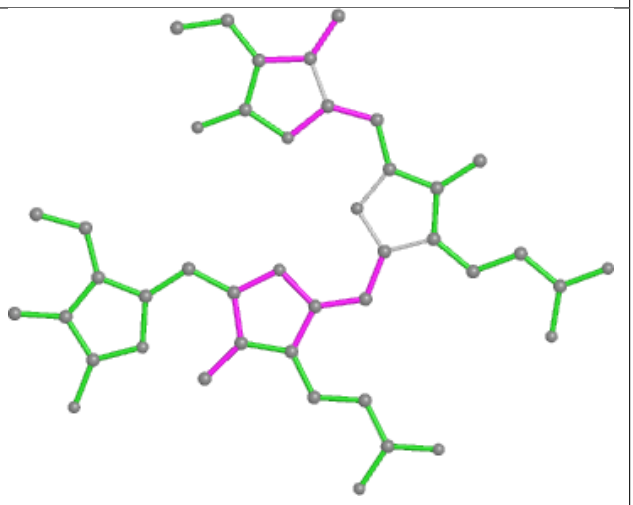

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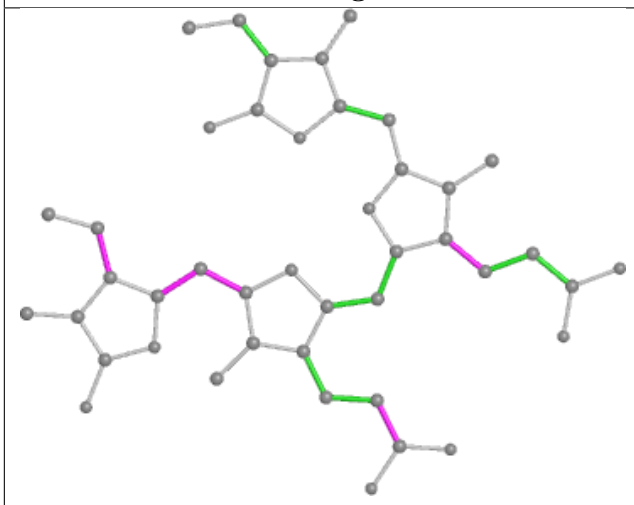

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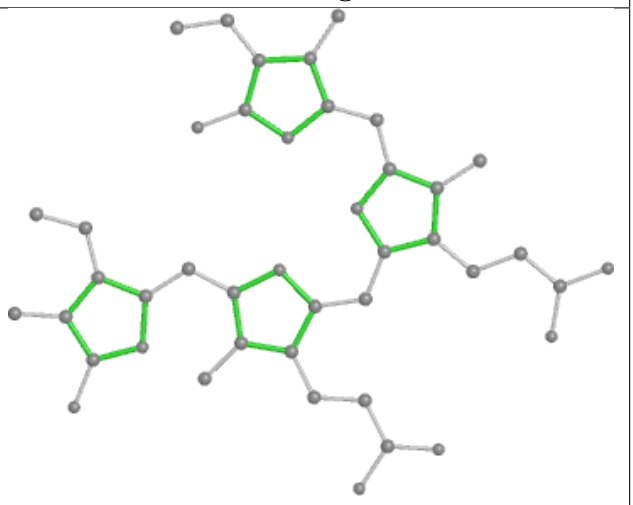
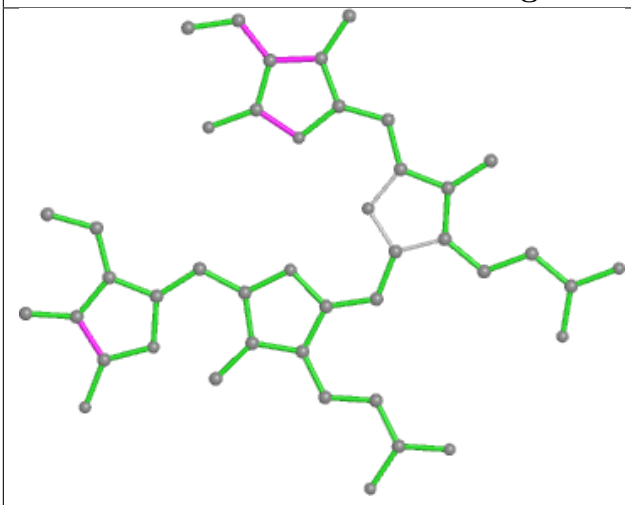


Rings

Ligand PEB ds 202



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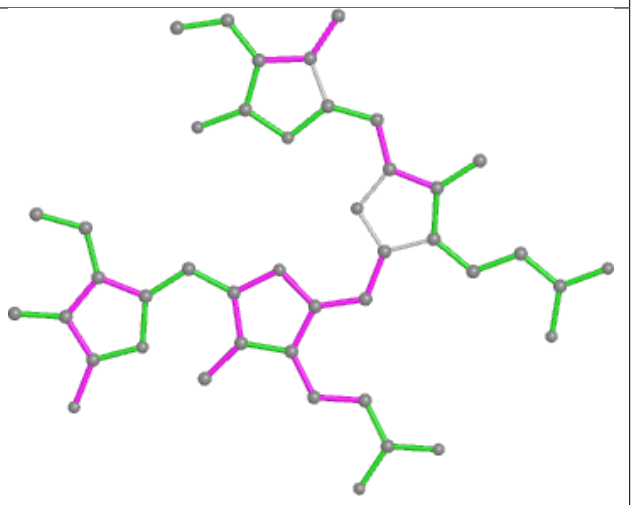

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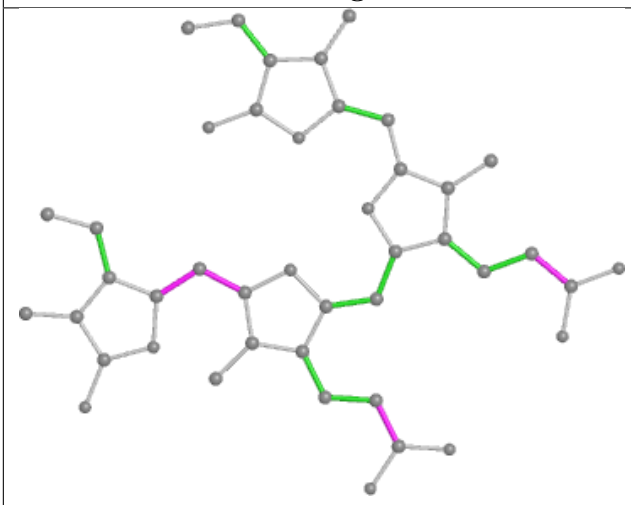

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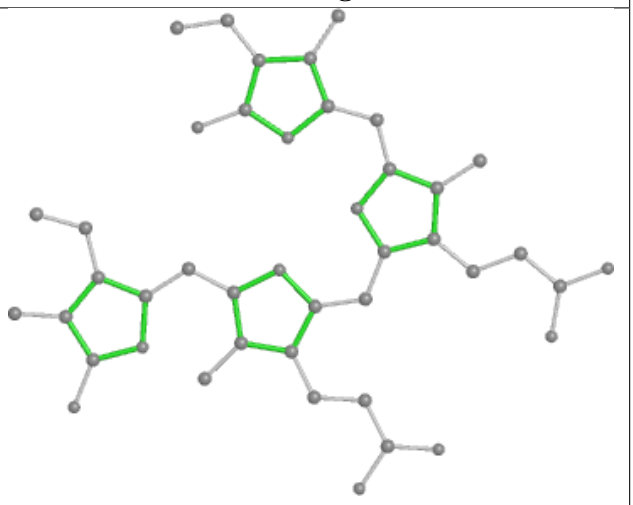

Rings

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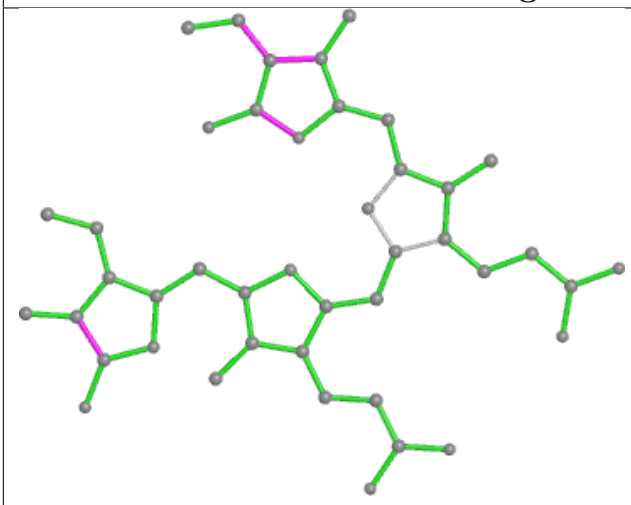

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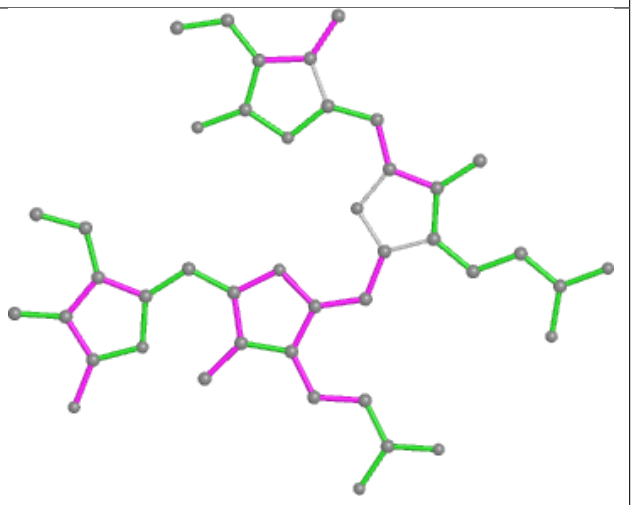

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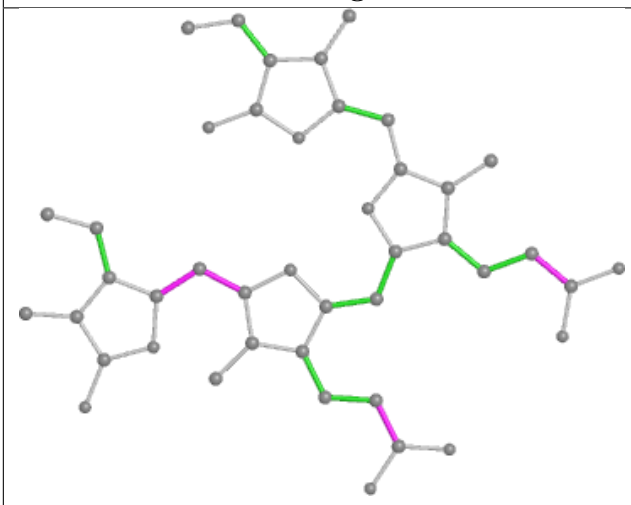

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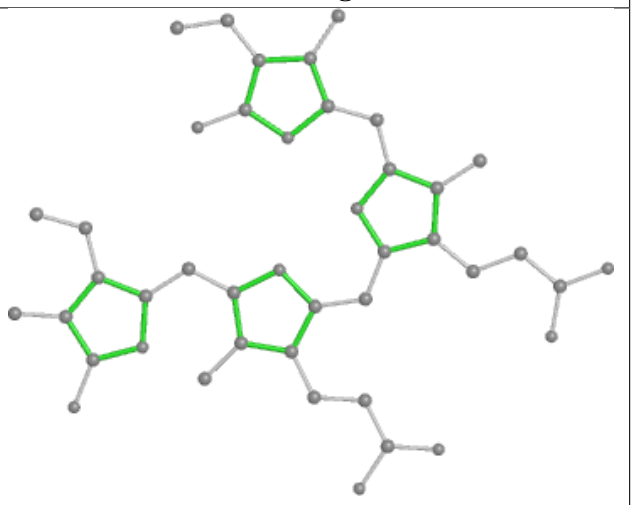

Rings

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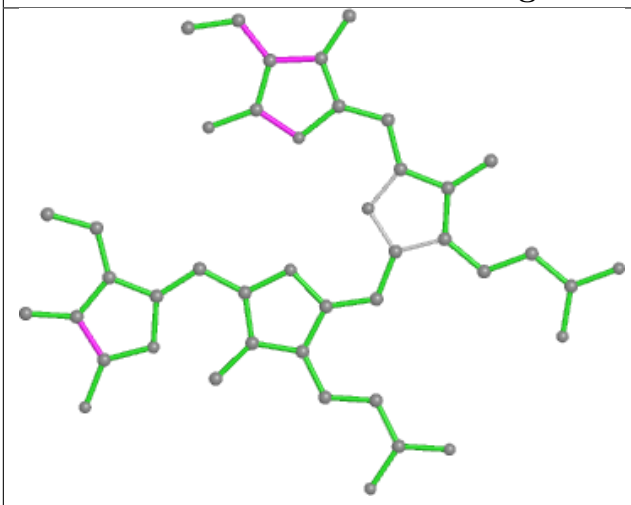

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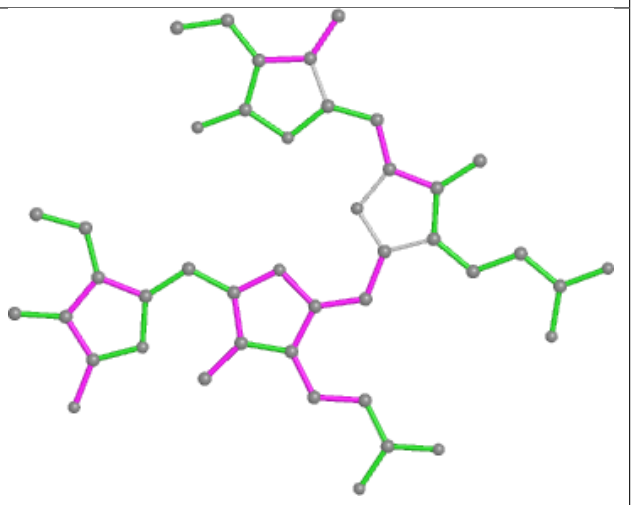

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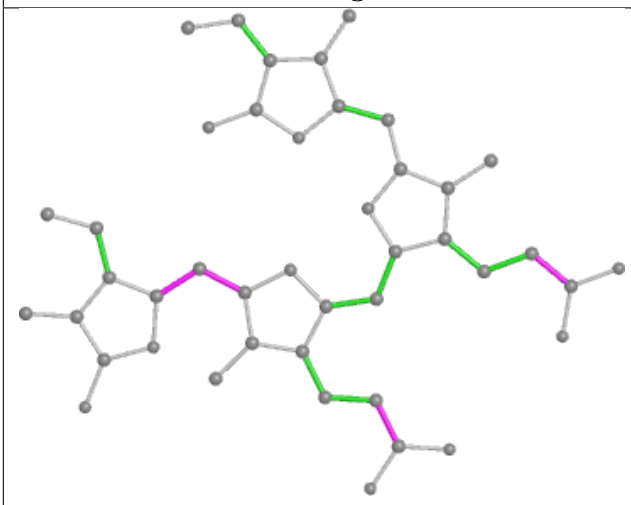

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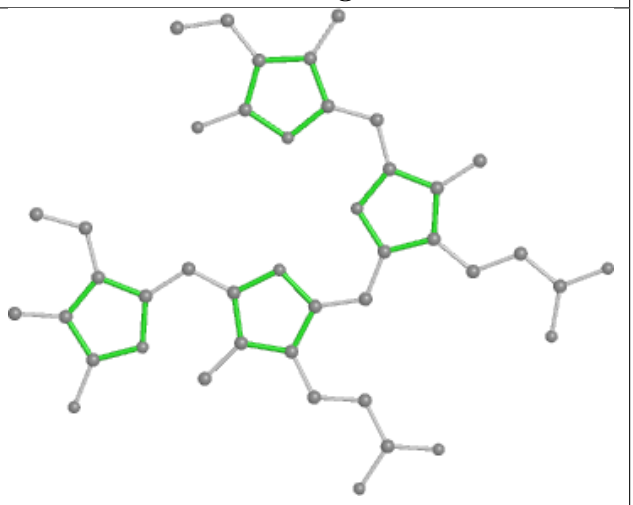

Rings

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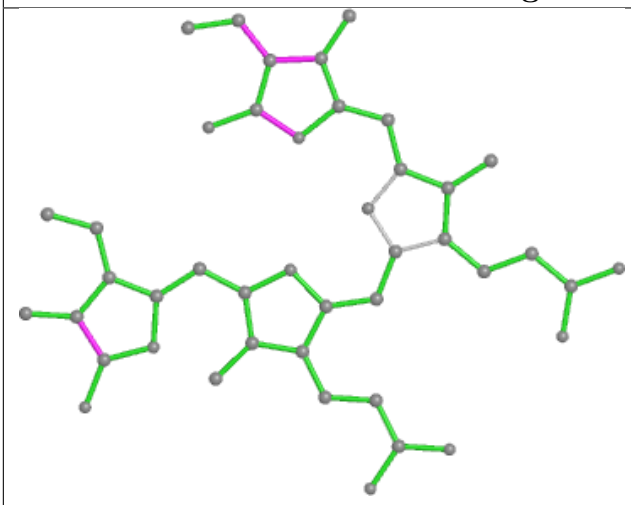

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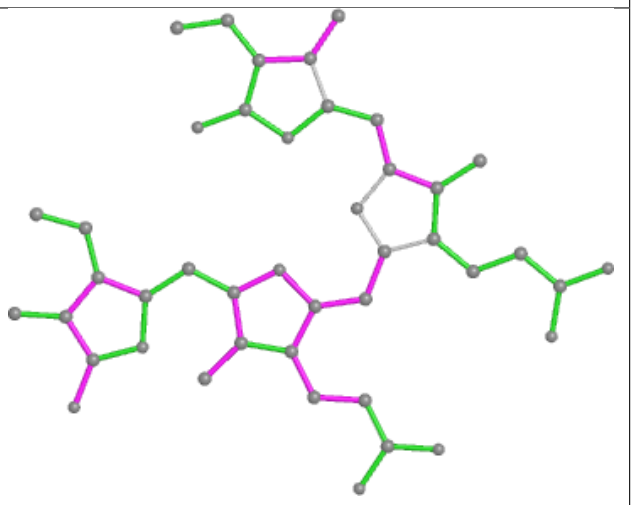

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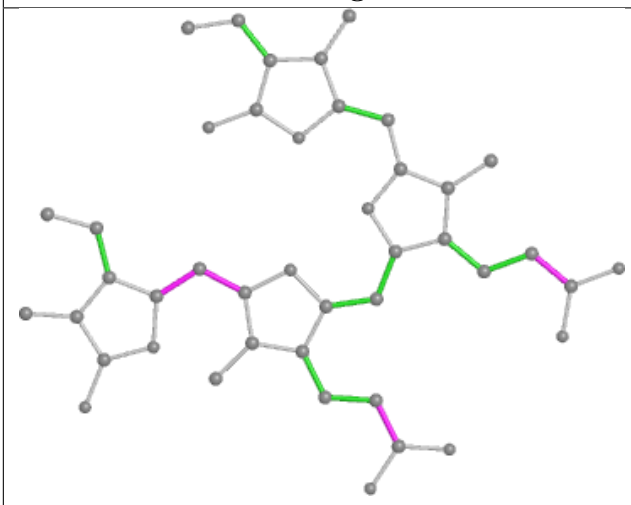

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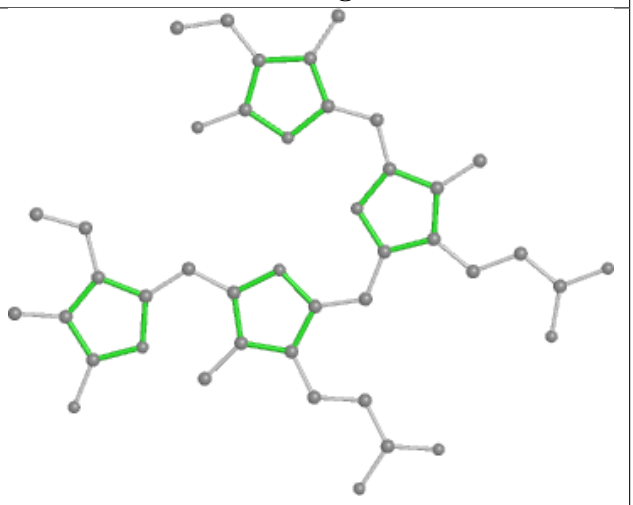
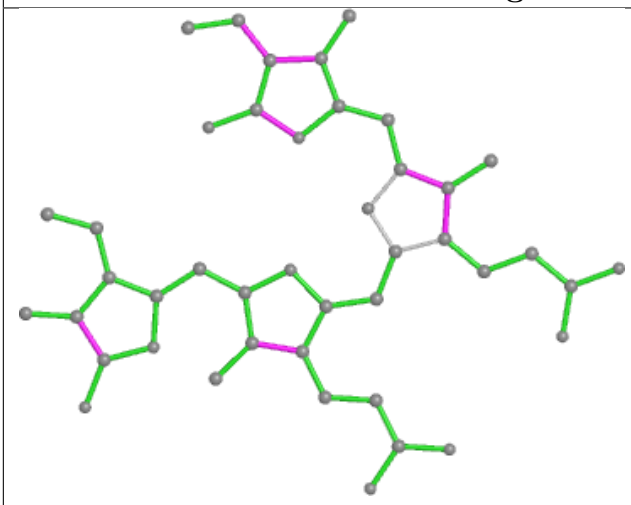


Rings

Ligand PEB jM 1002



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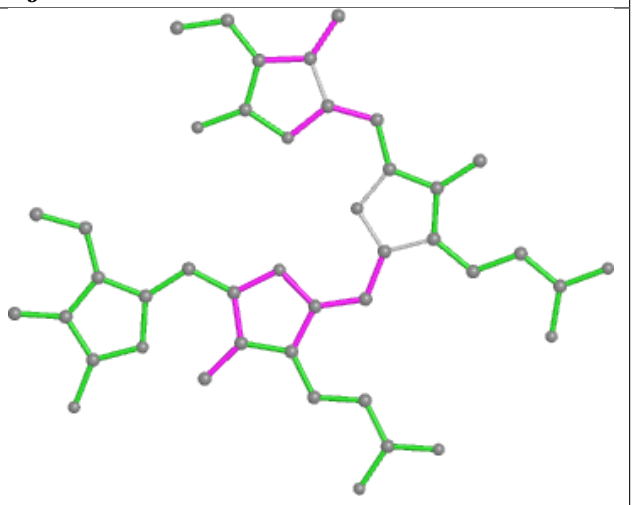

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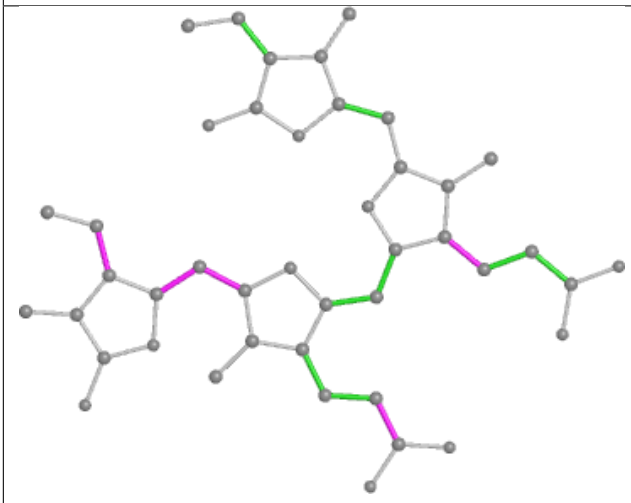

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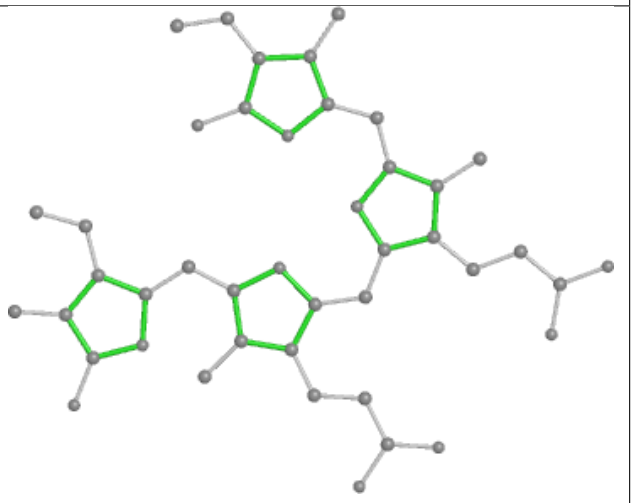

Rings

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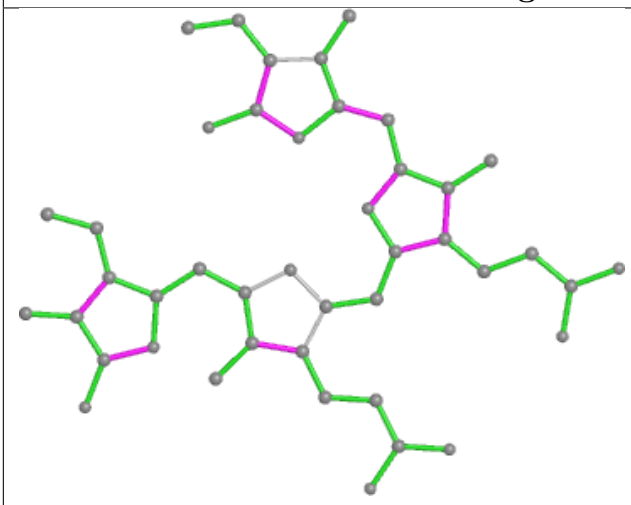

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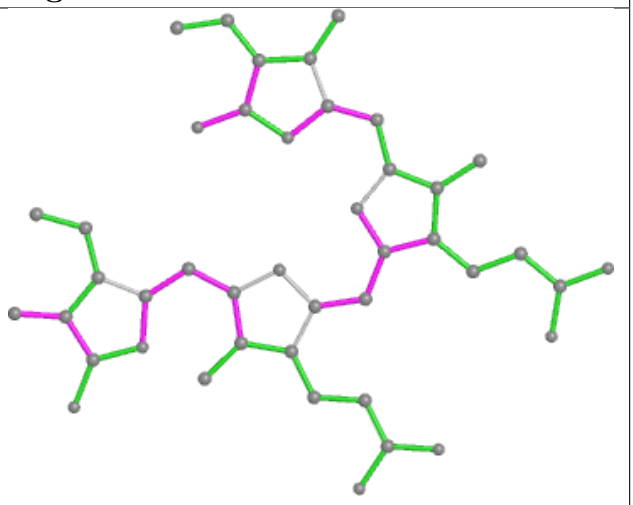

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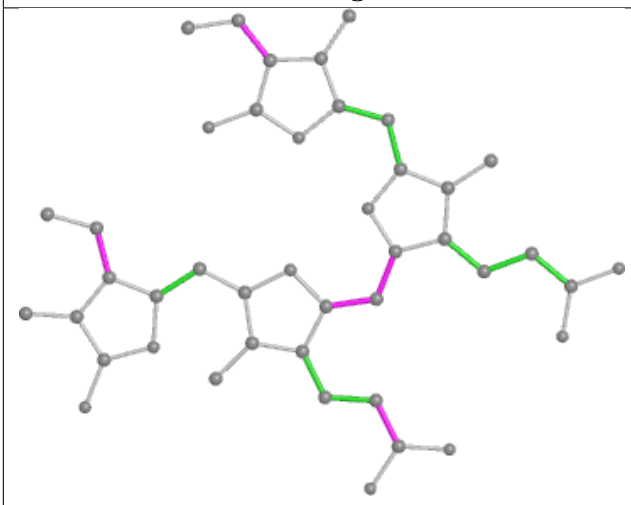

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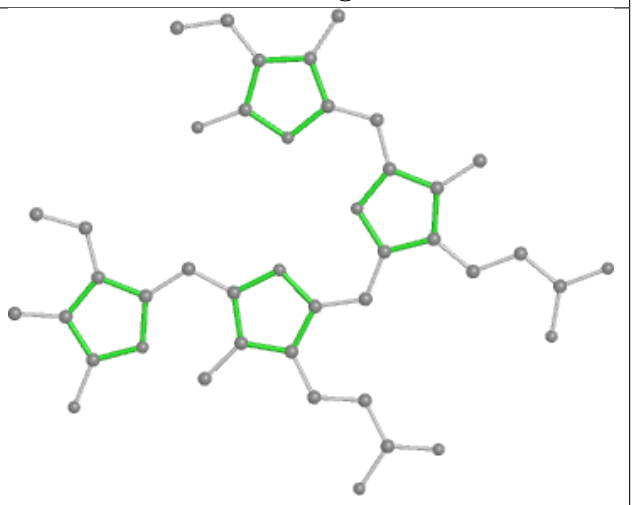
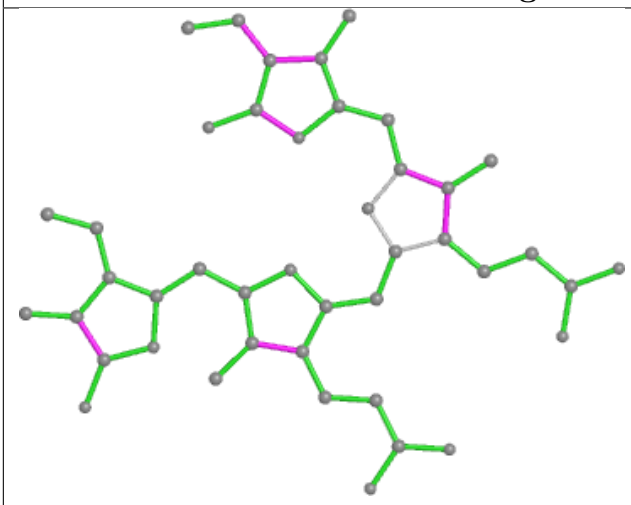


Rings

Ligand PEB gv 202



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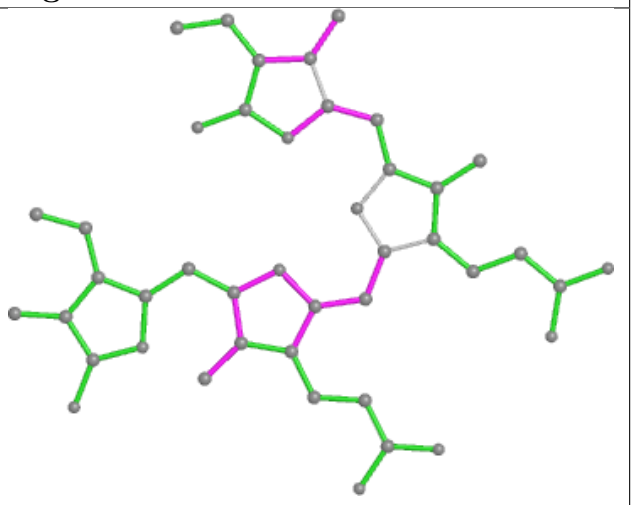
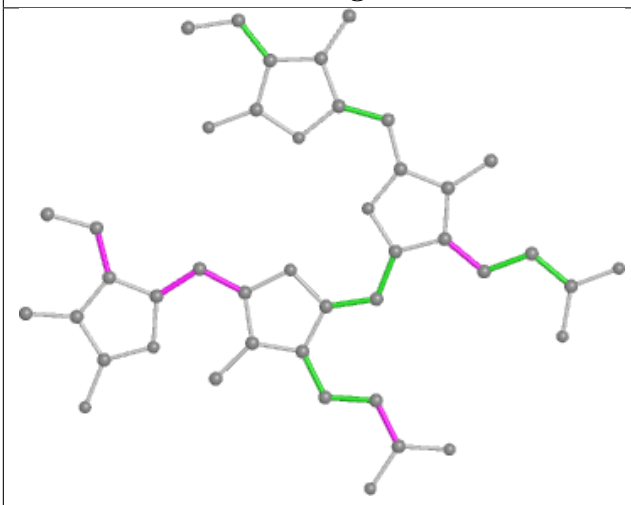
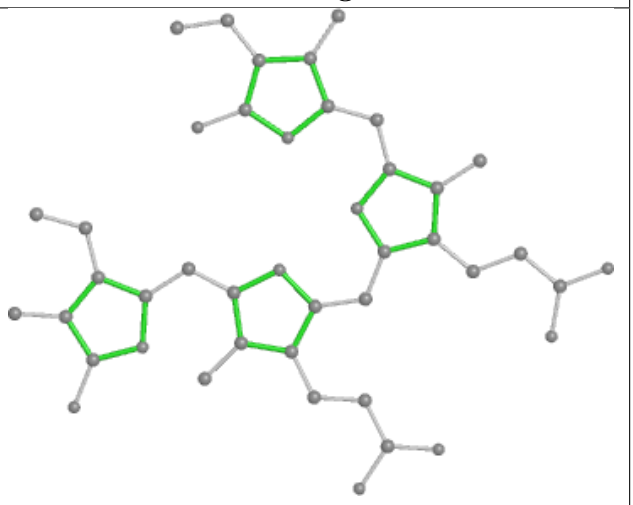


Bond angles

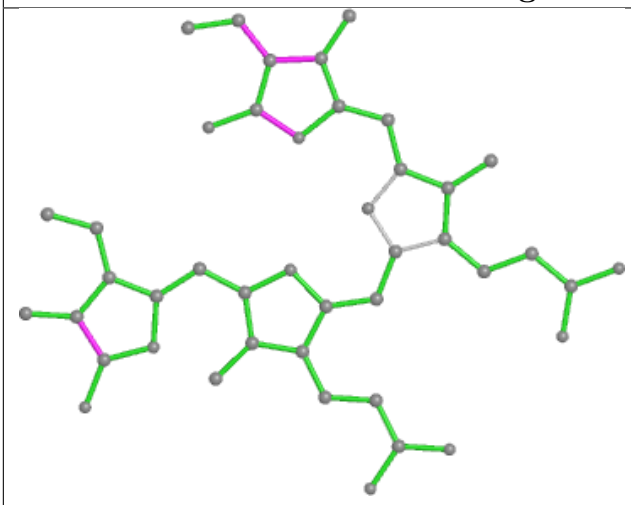


Torsions



Rings

Ligand PEB h8 201



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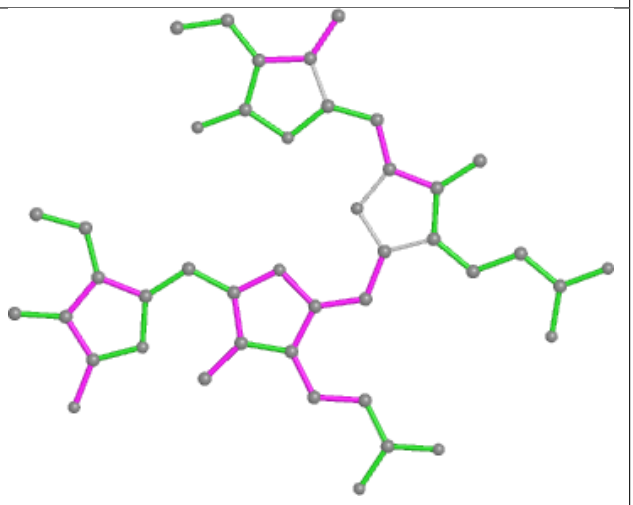

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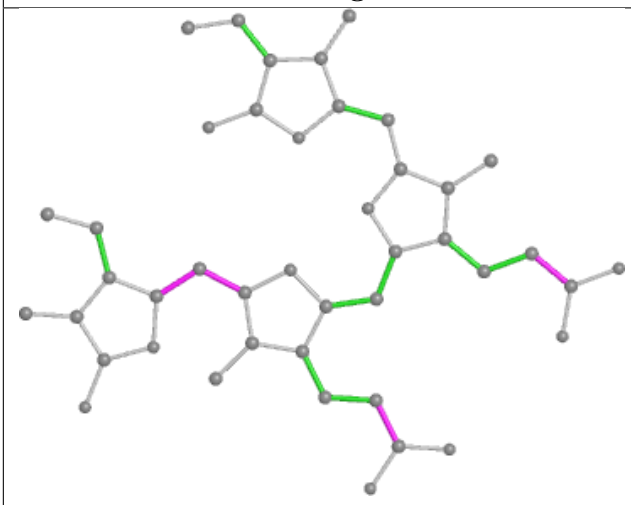

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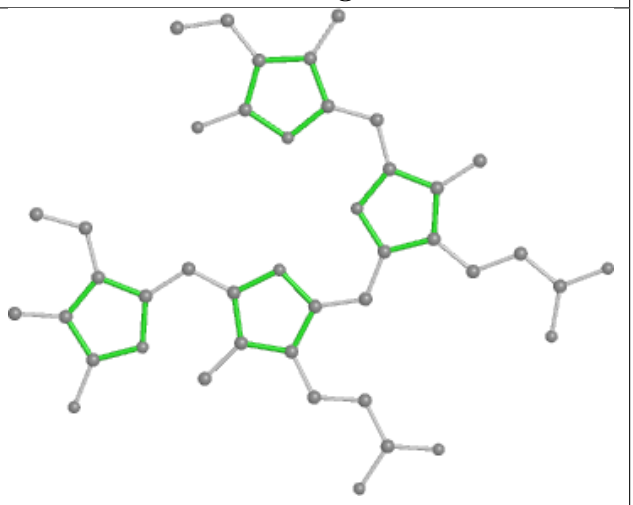
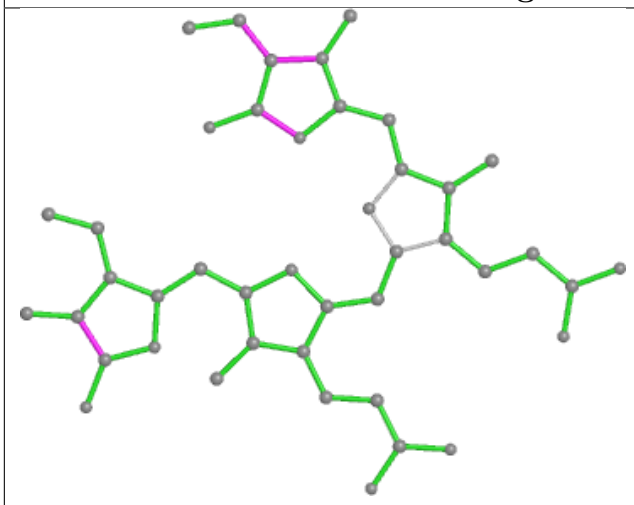


Rings

Ligand PEB eO 202



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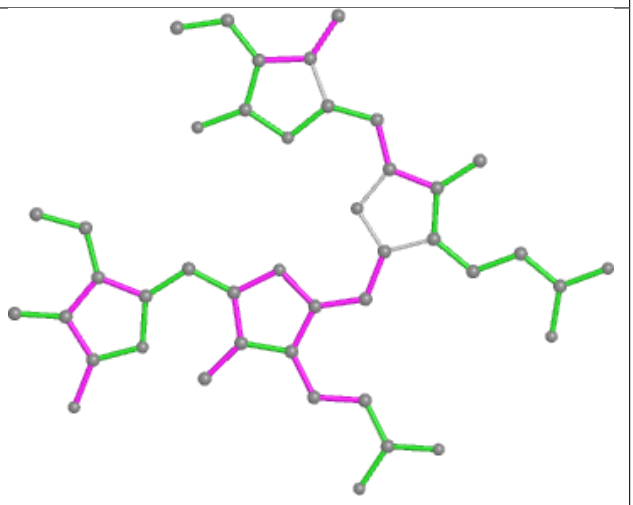

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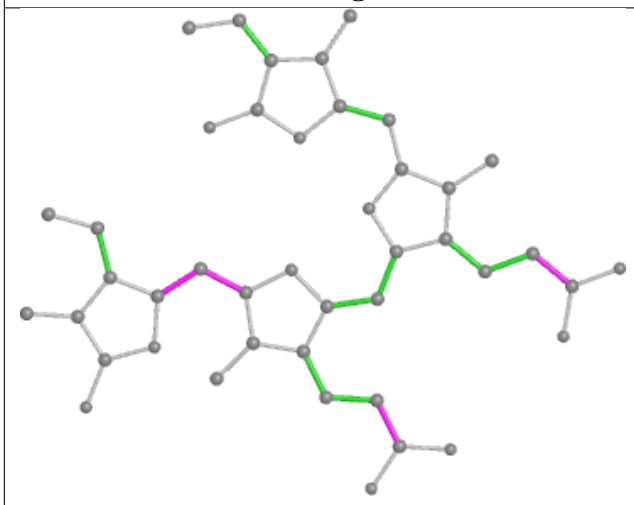

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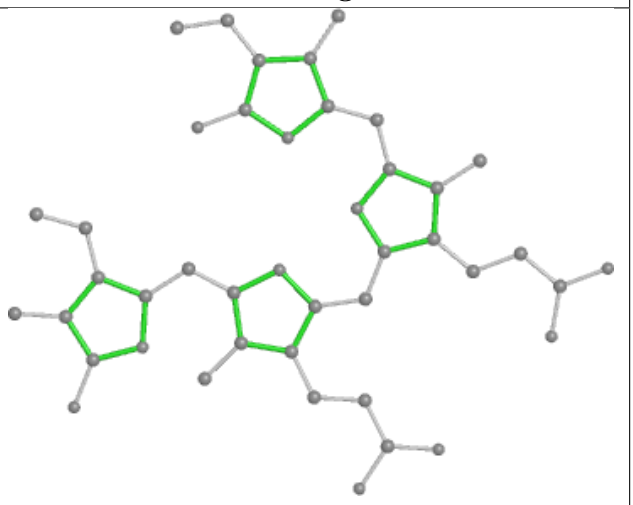
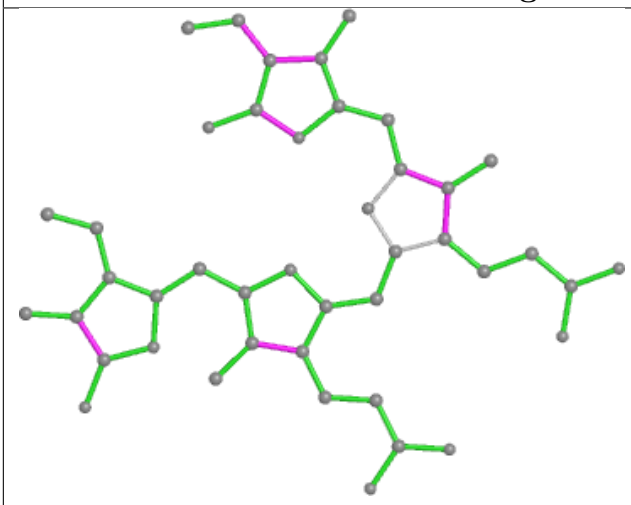


Rings

Ligand PEB gg 202



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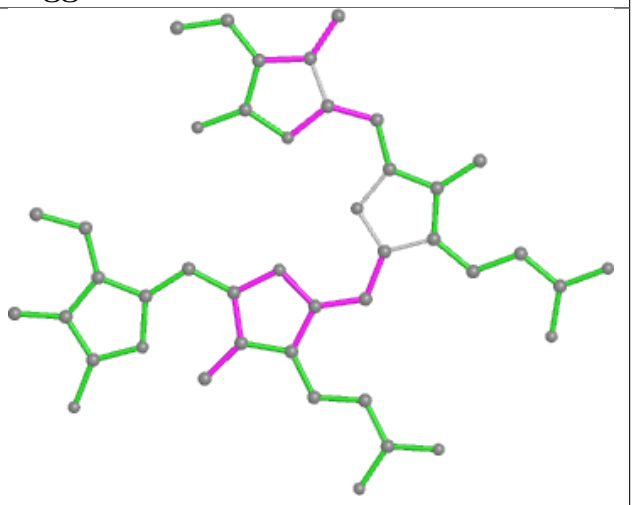

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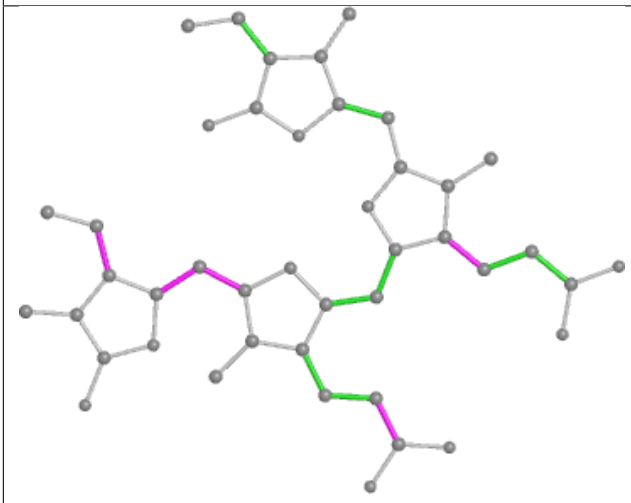

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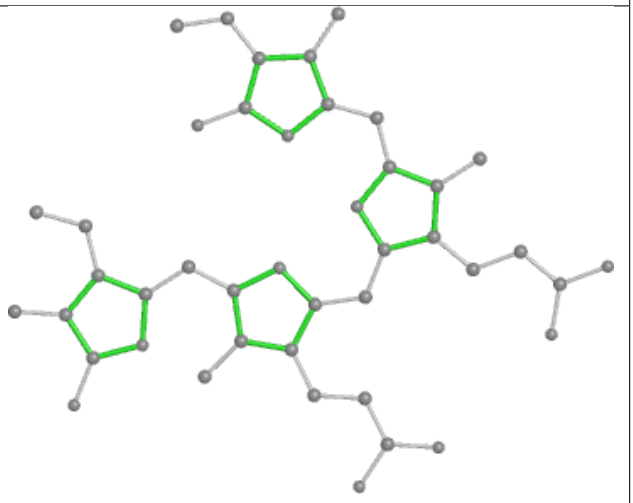
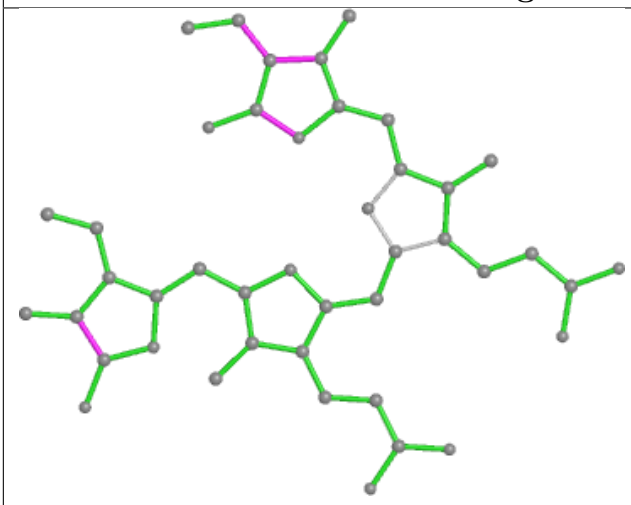


Rings

Ligand PEB cB 201



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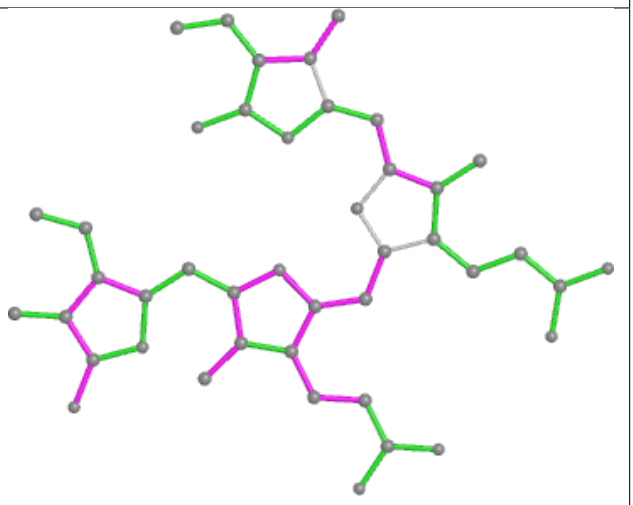

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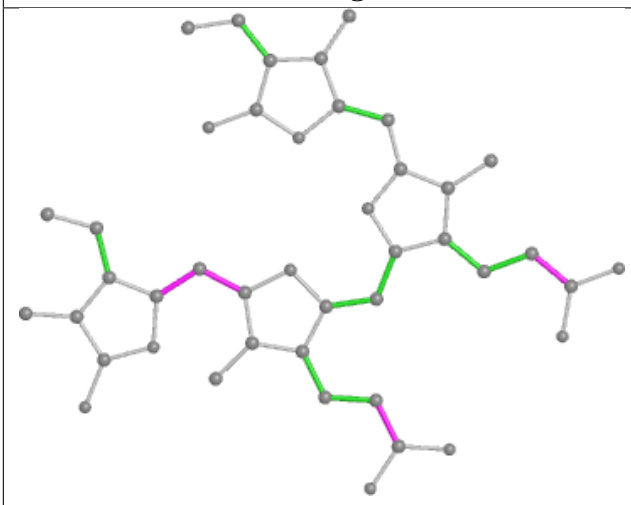

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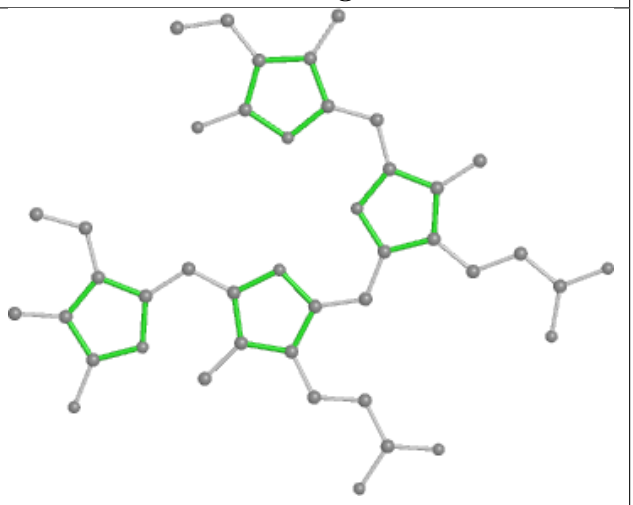

Rings

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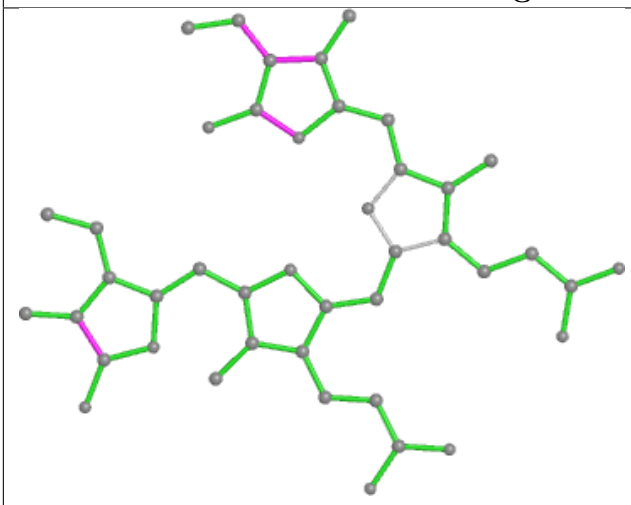

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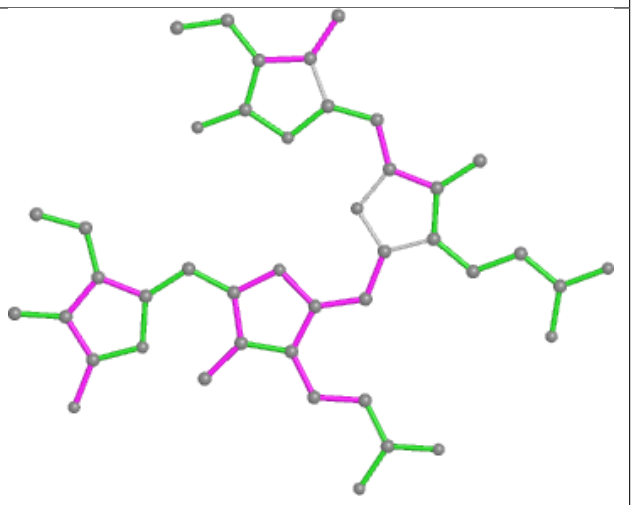

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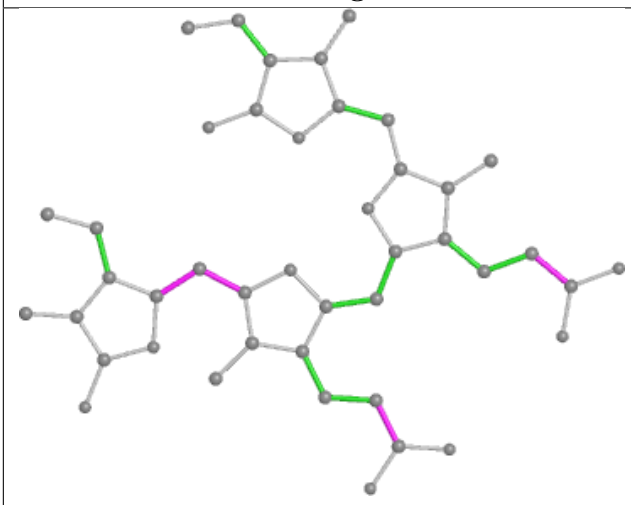

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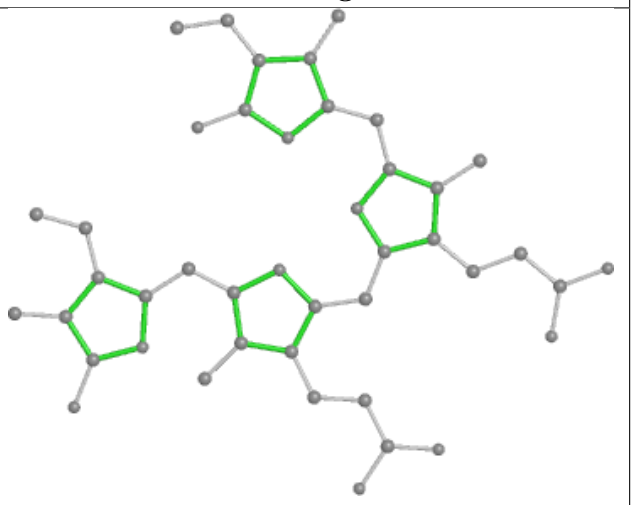

Rings

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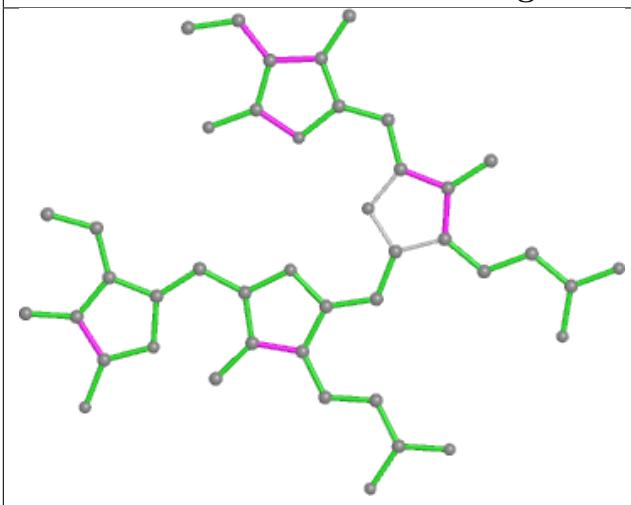

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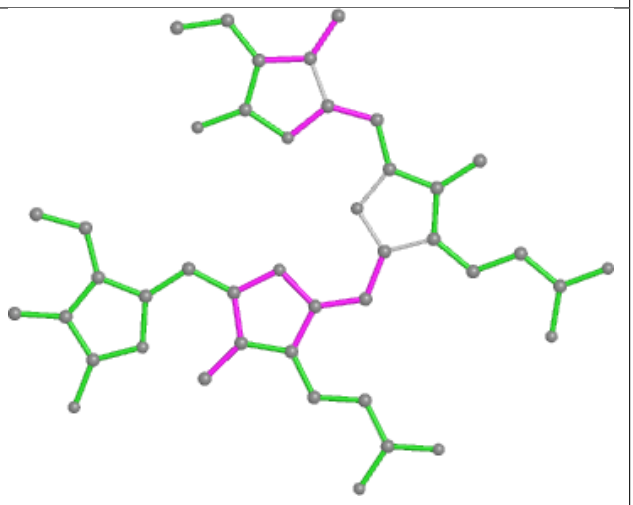

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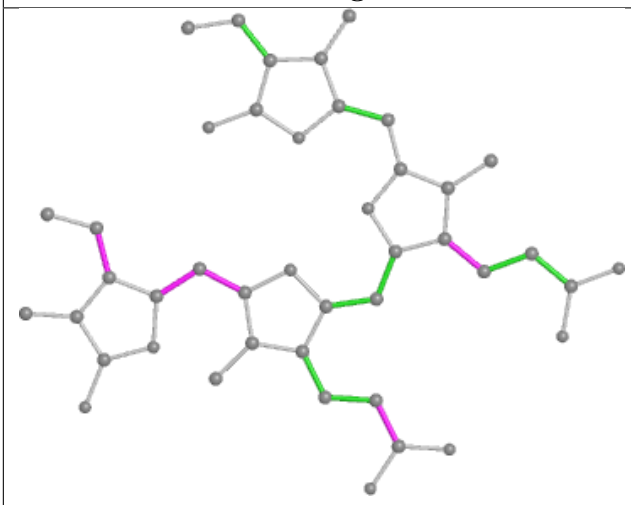

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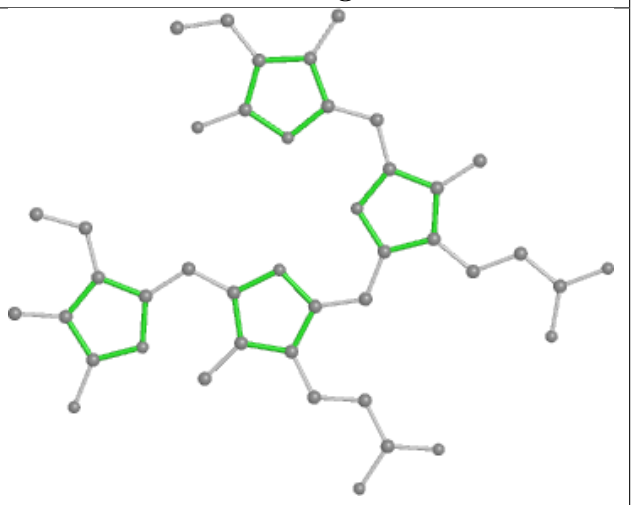
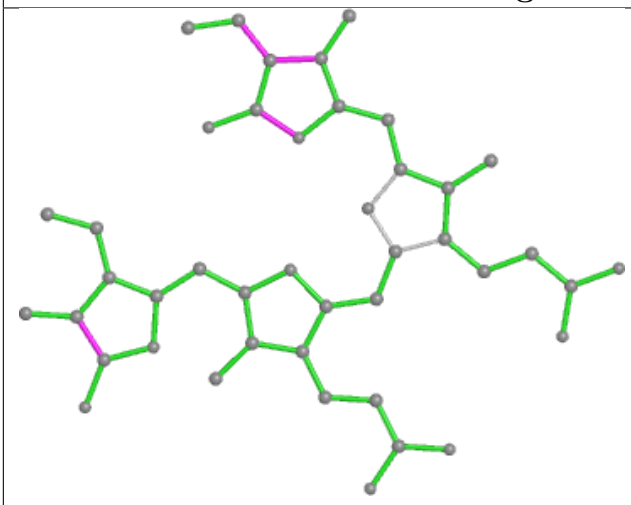


Rings

Ligand PEB cX 201



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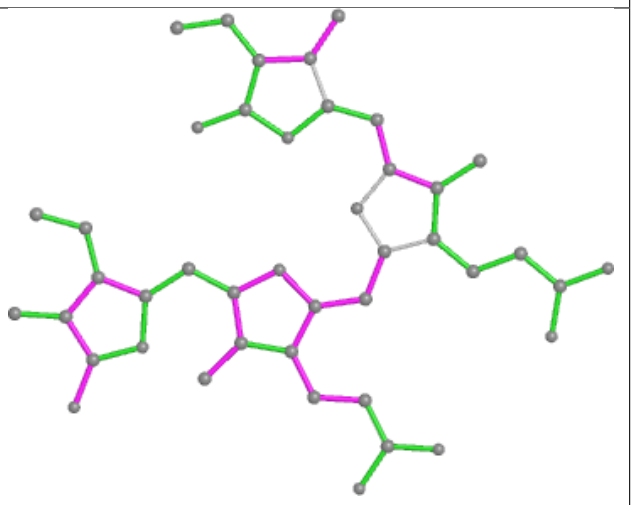

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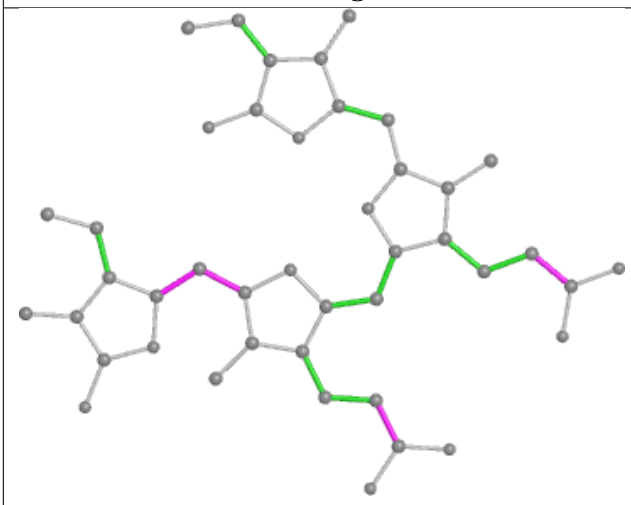

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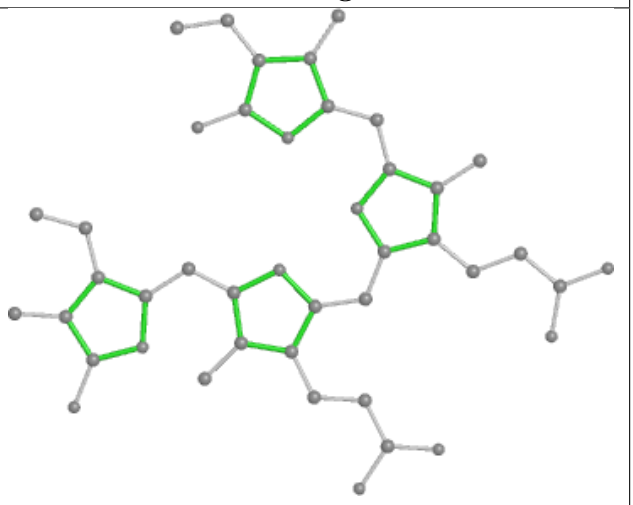

Rings

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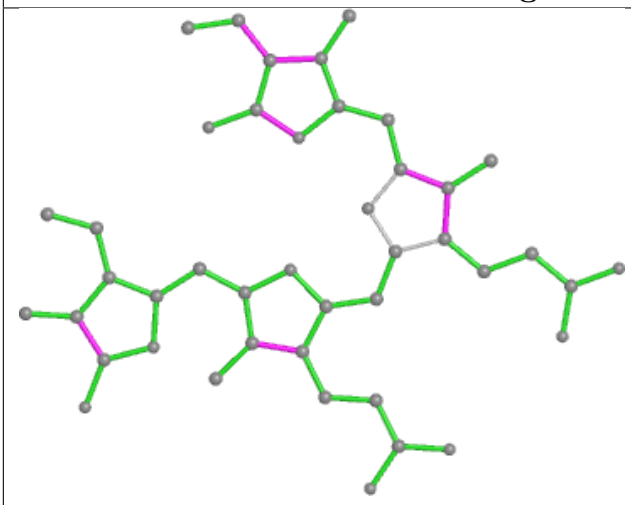

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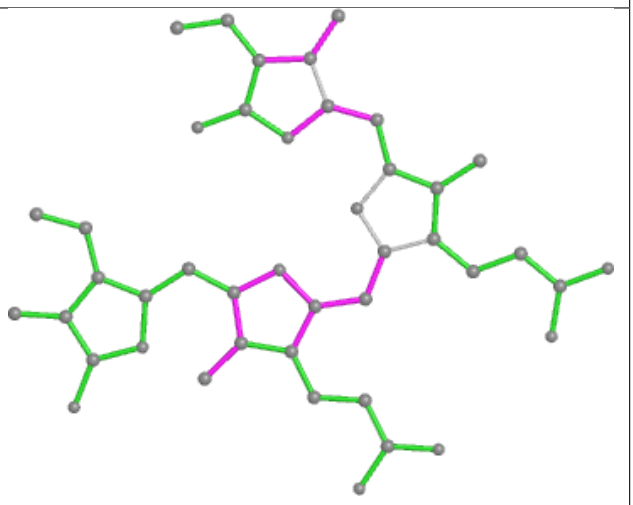

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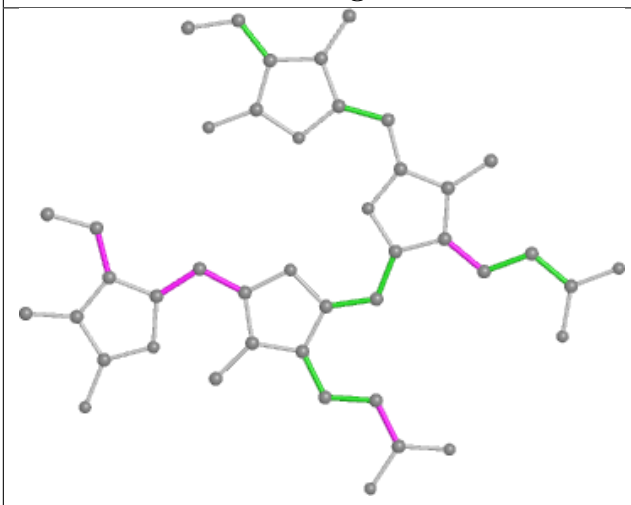

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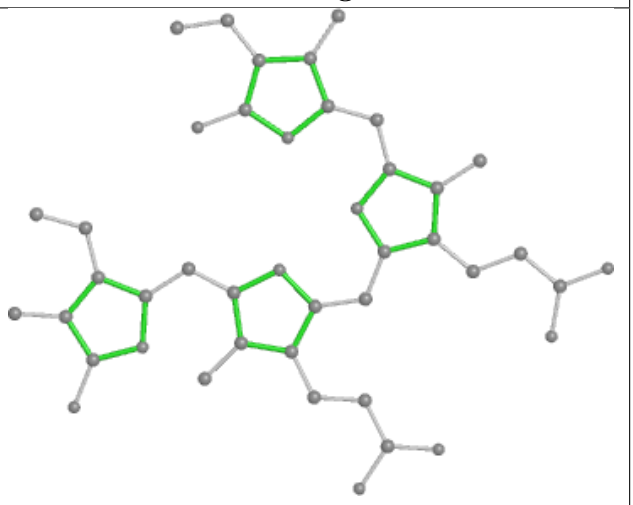

Rings

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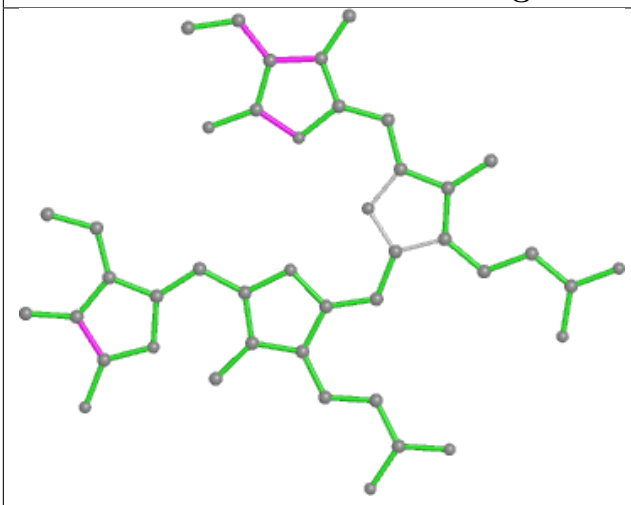

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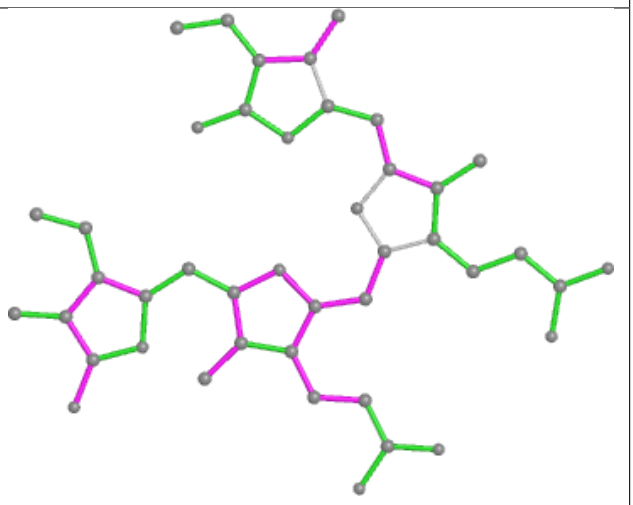

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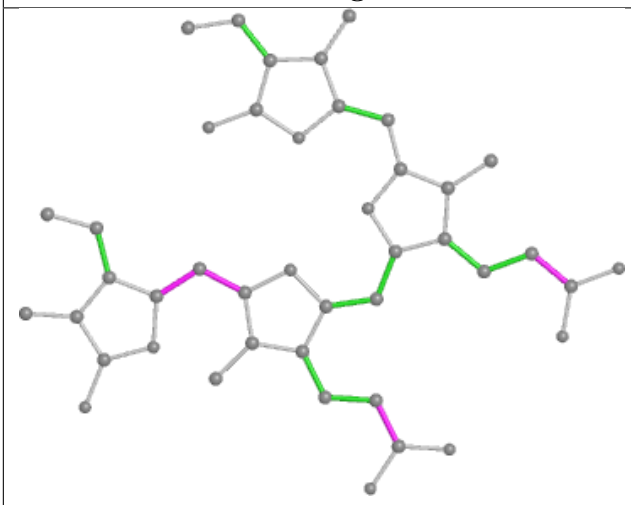

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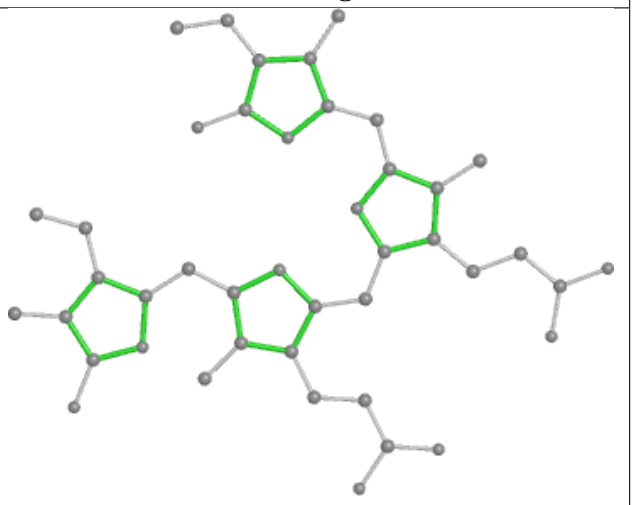
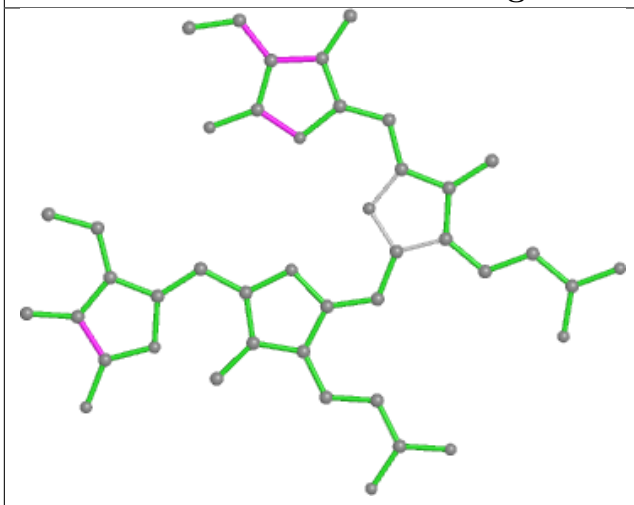


Rings

Ligand PEB C4 1001



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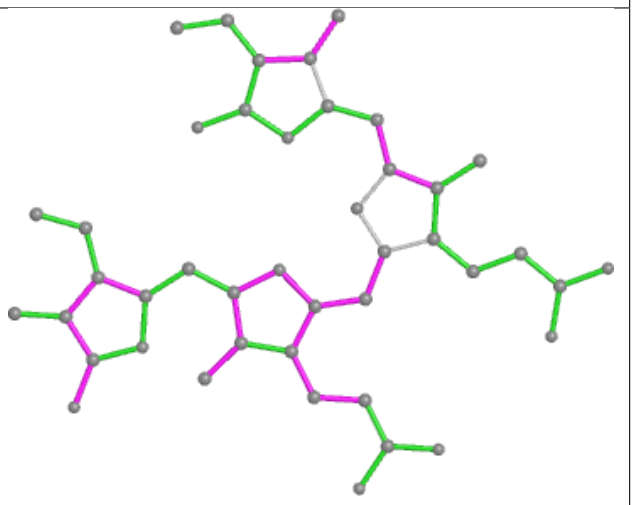

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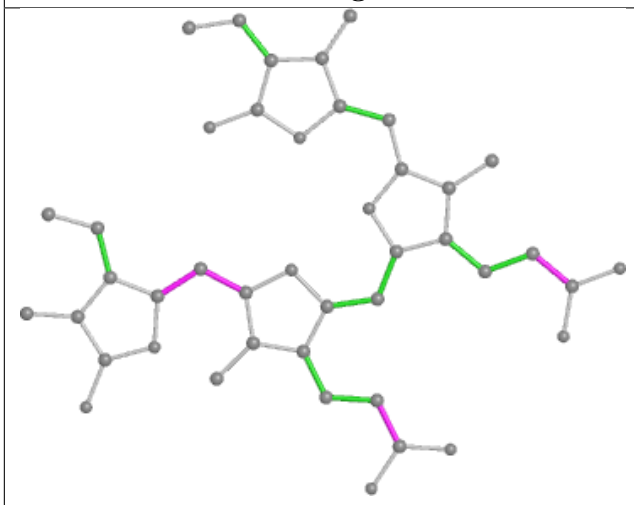

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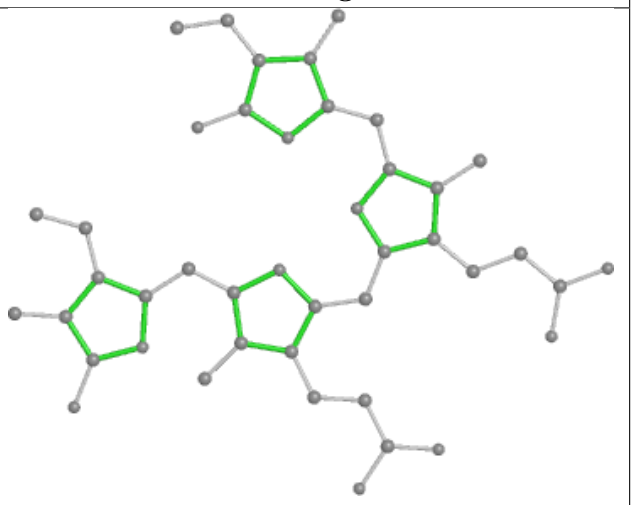
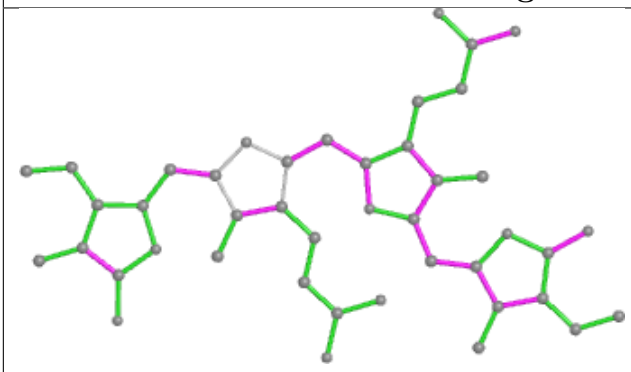


Rings

Ligand CYC g1 201



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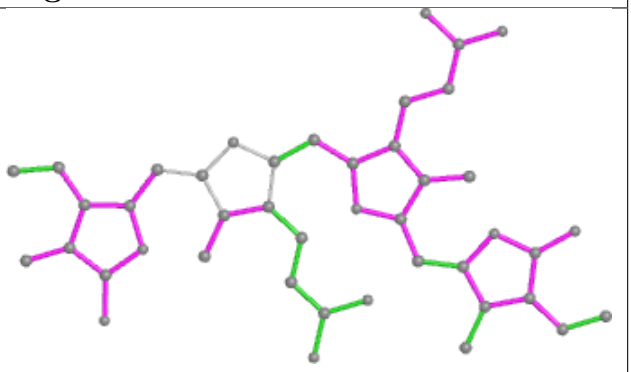

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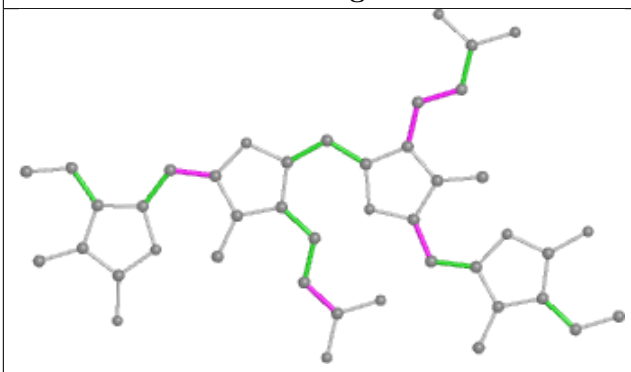

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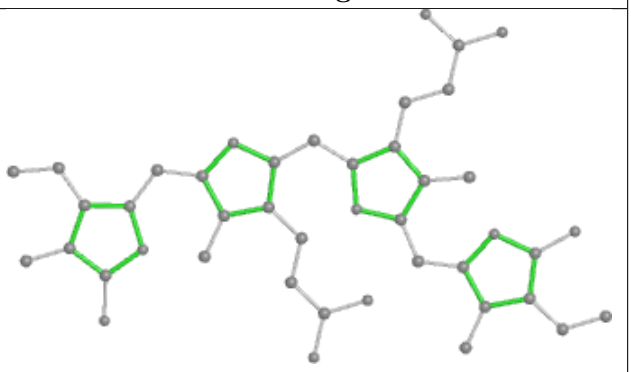

Rings

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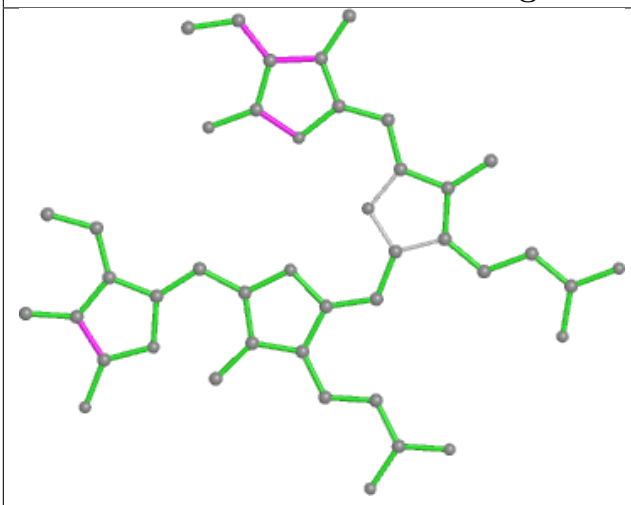

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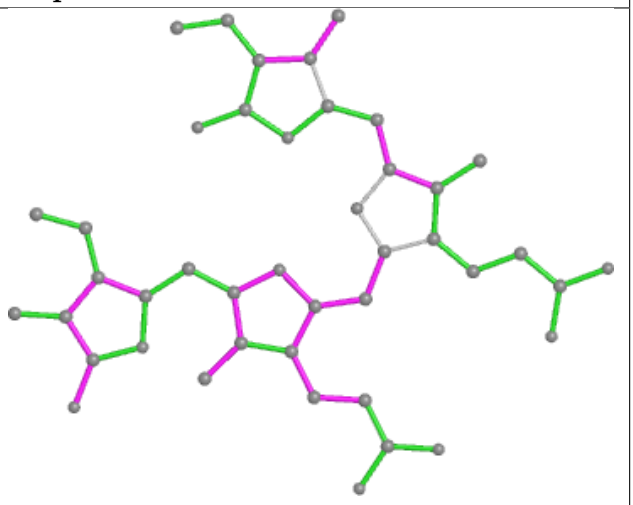

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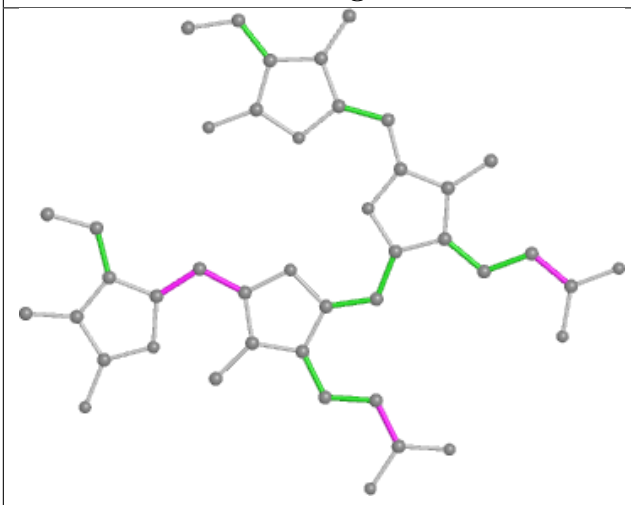

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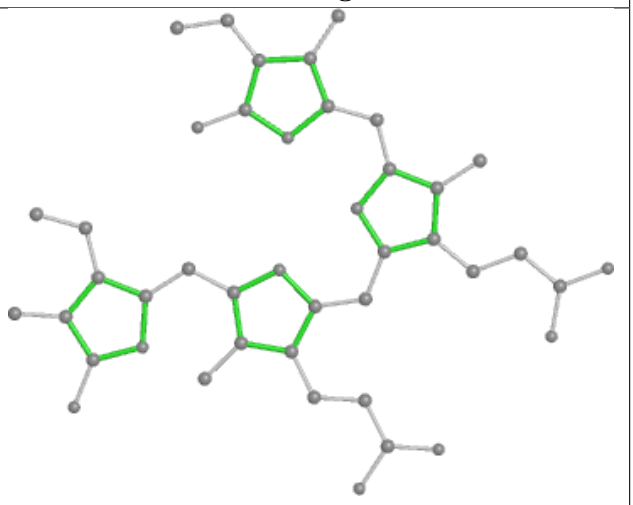
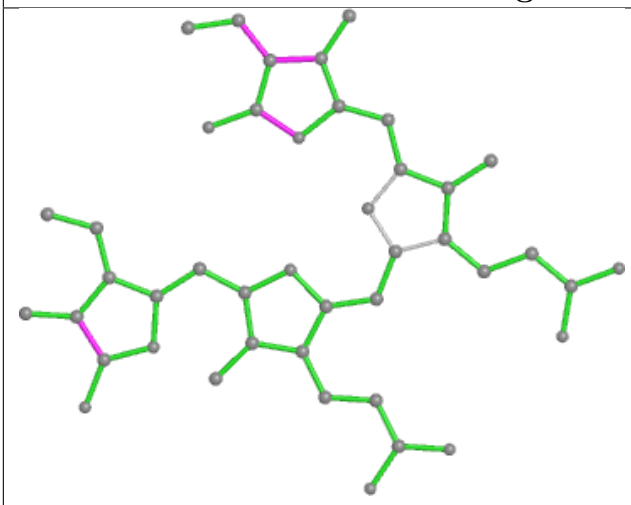


Rings

Ligand PEB aC 201



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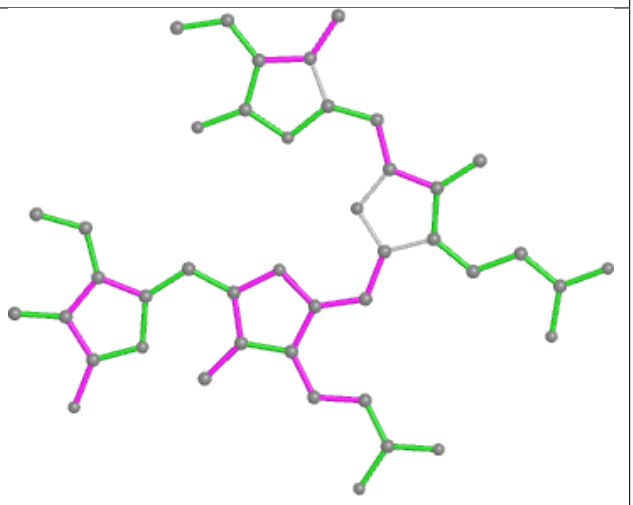

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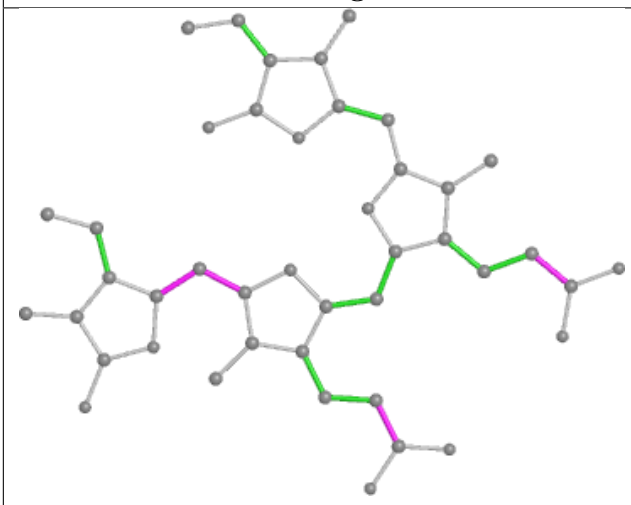
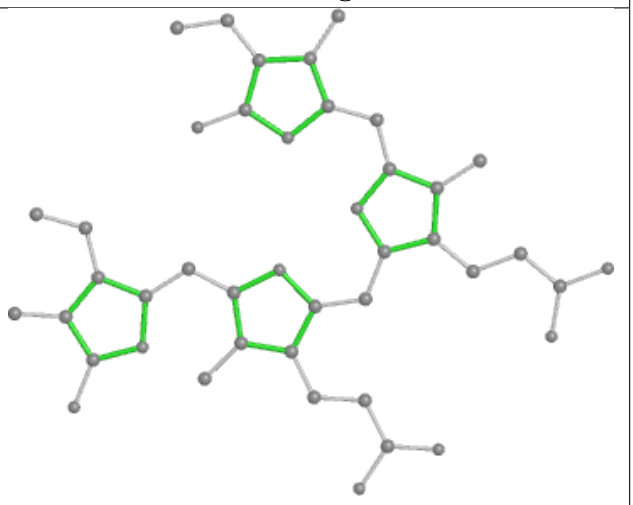
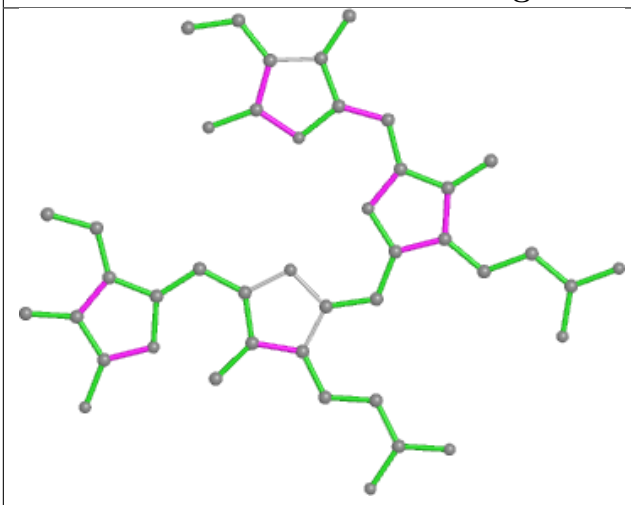


Torsions



Rings

Ligand PUB hB 203



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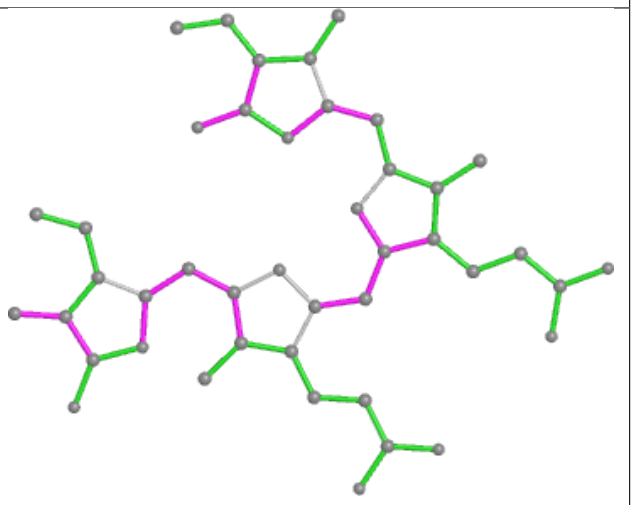
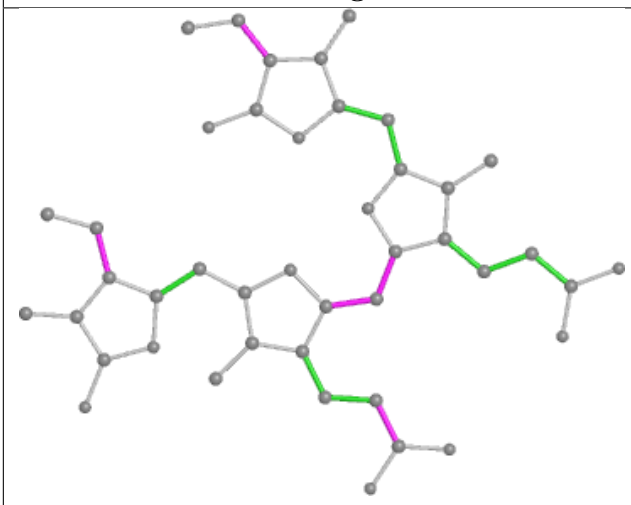


Bond angles



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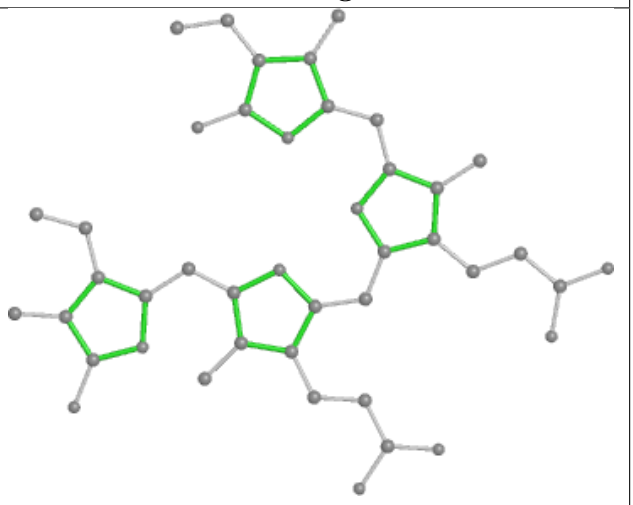
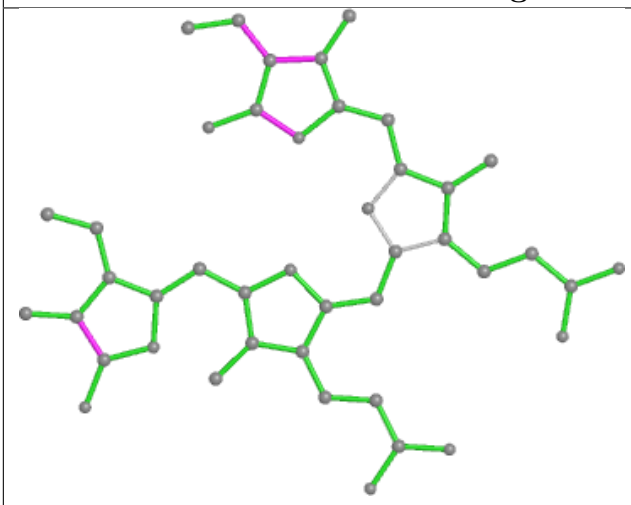


Rings

Ligand PEB iD 1001



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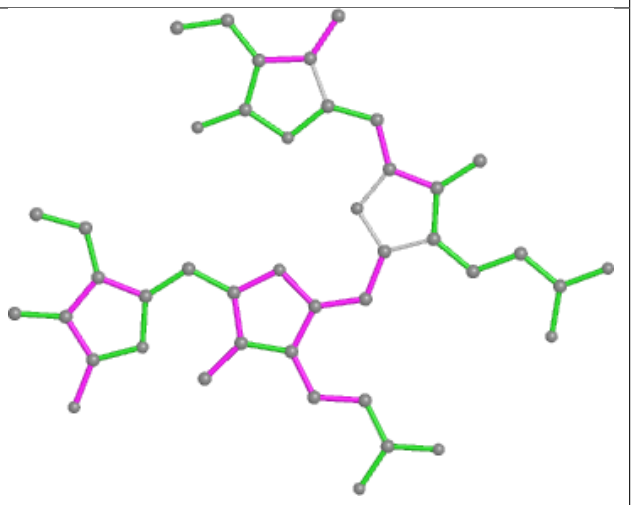

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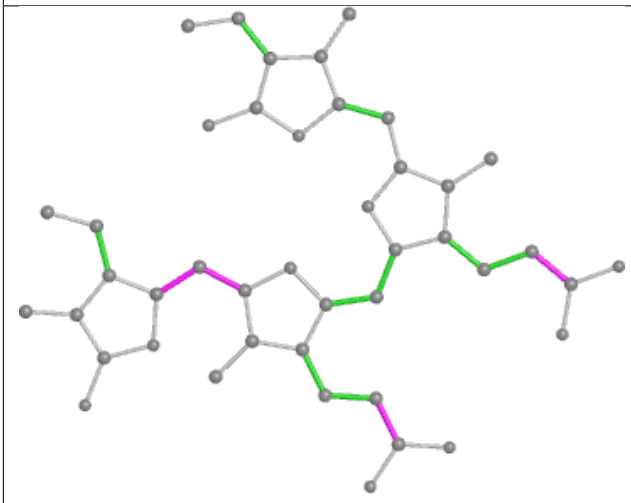

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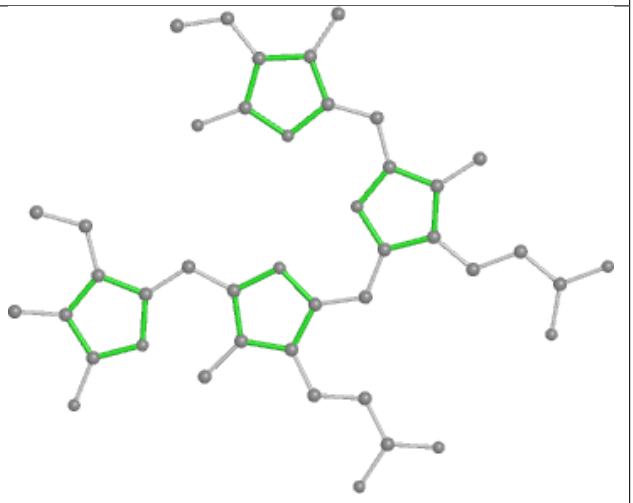
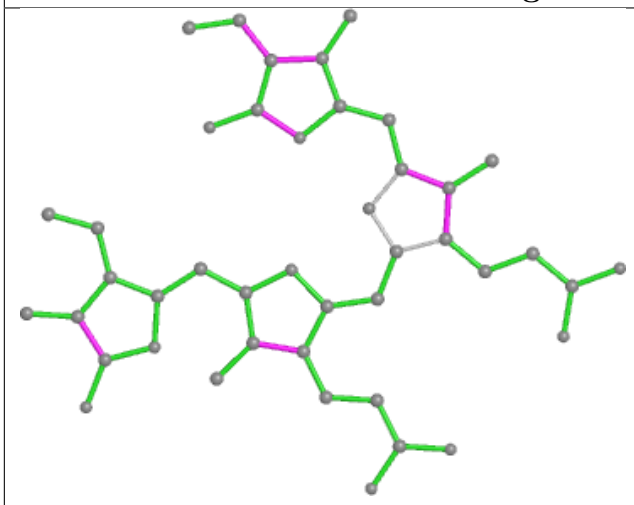


Rings

Ligand PEB cz 202



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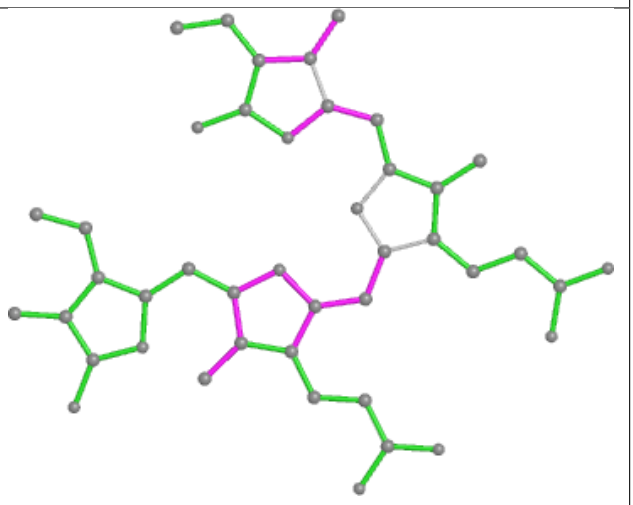

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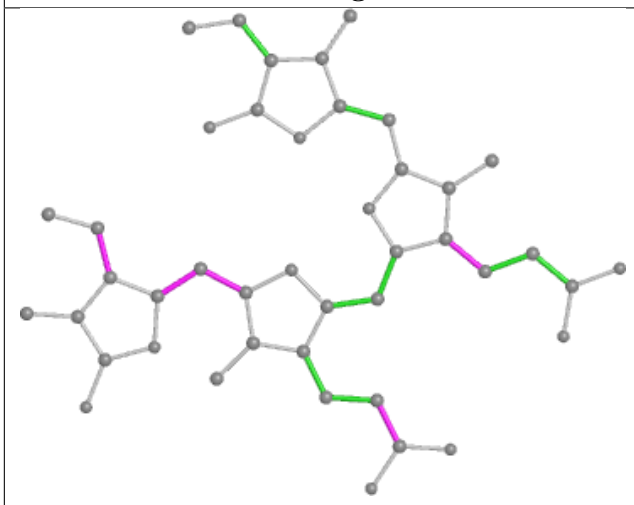

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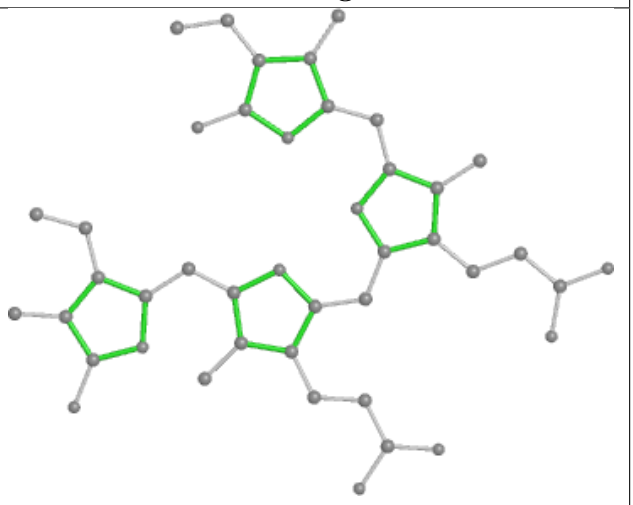
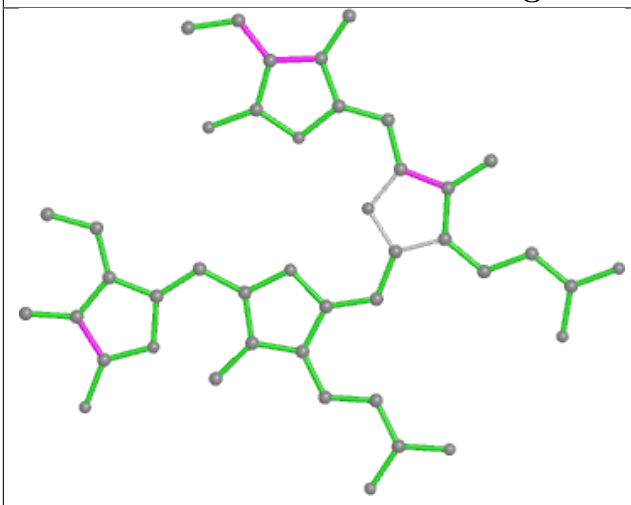


Rings

Ligand PEB j7 202



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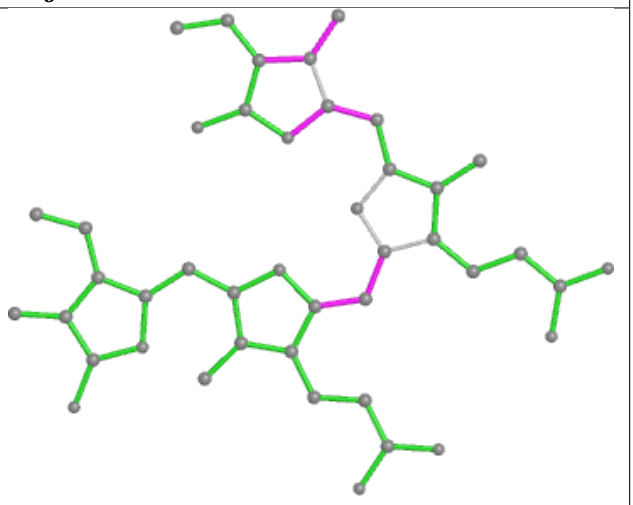

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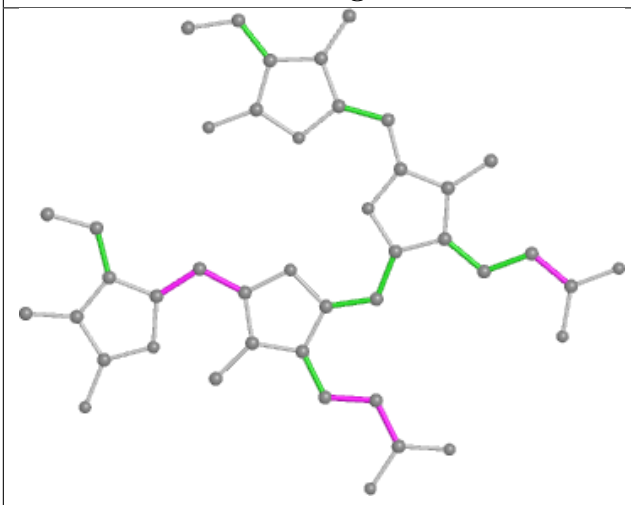

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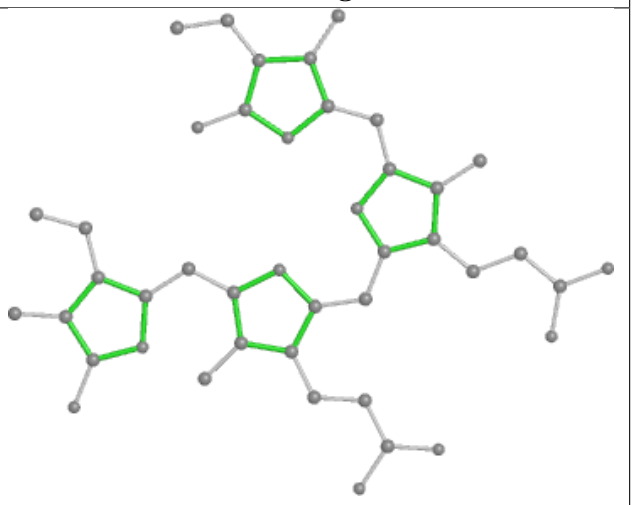
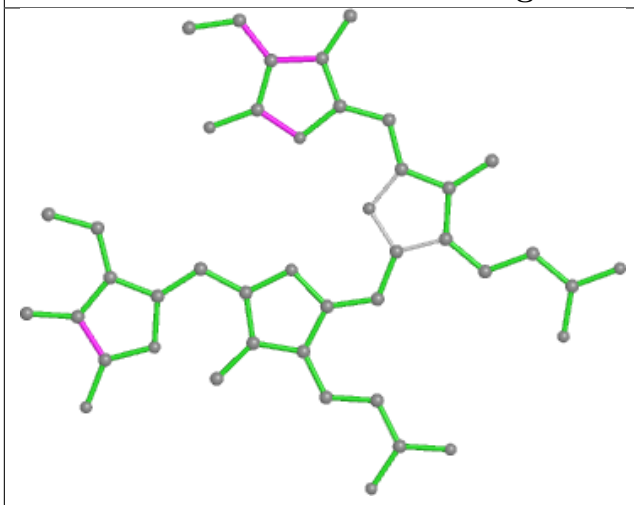


Rings

Ligand PEB Y3 201



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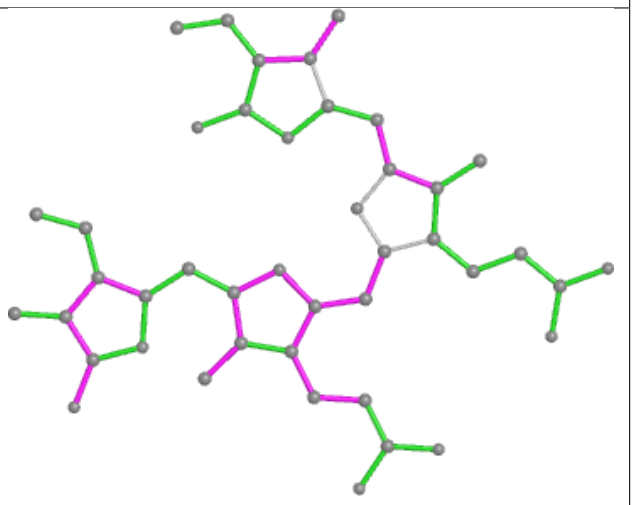

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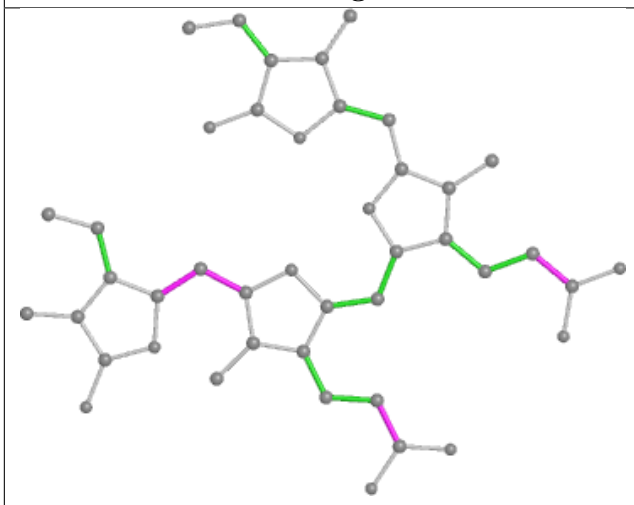

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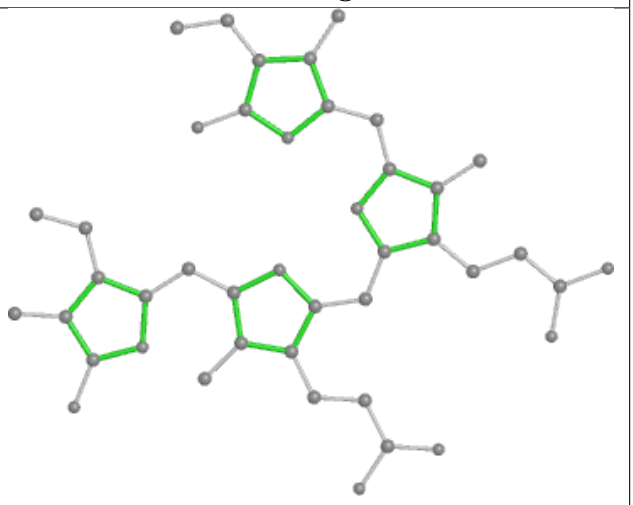

Rings

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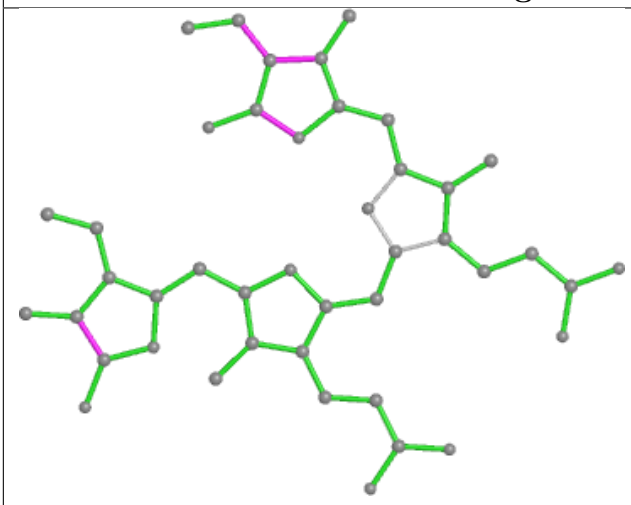

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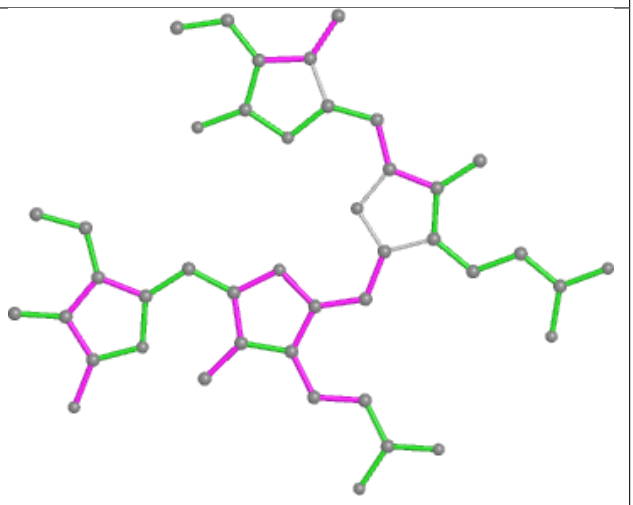

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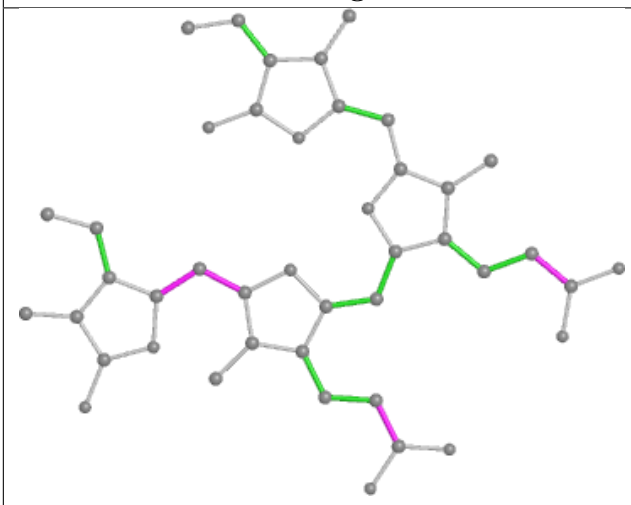

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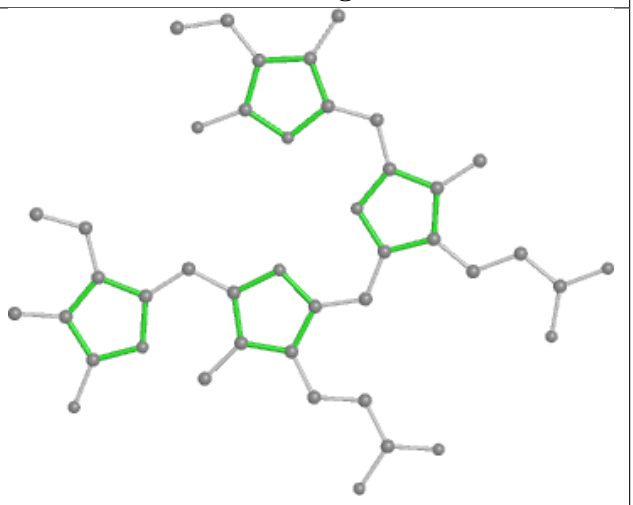
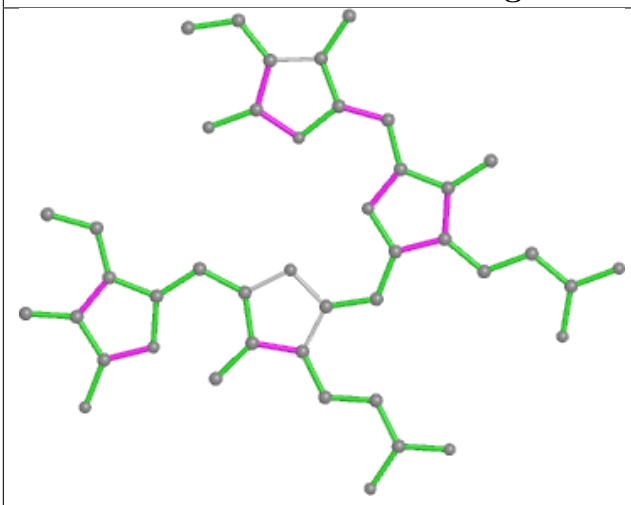


Rings

Ligand PUB Y5 1006



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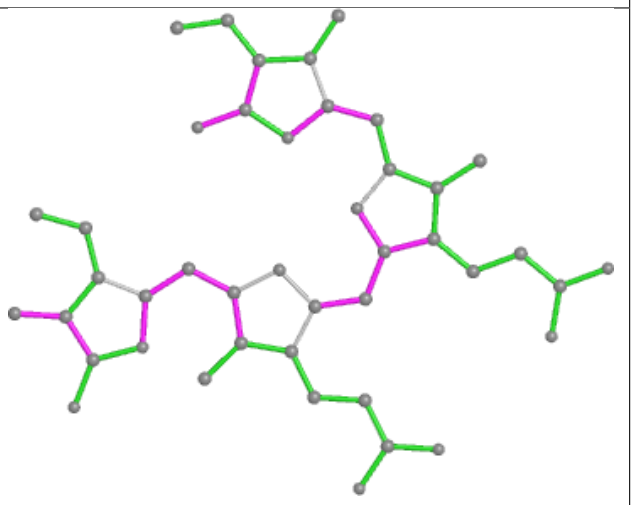

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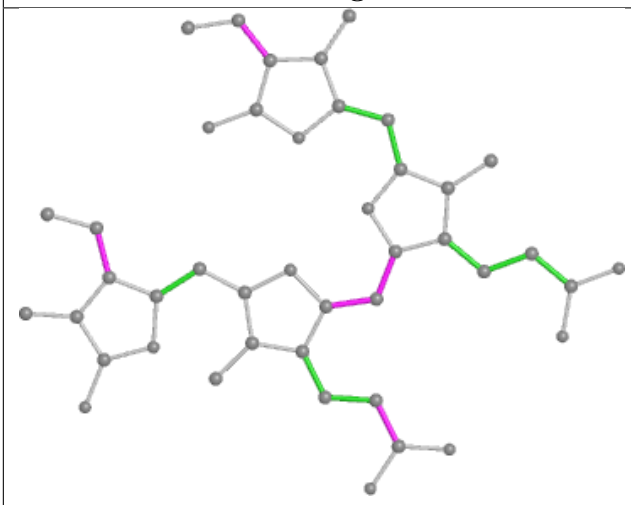

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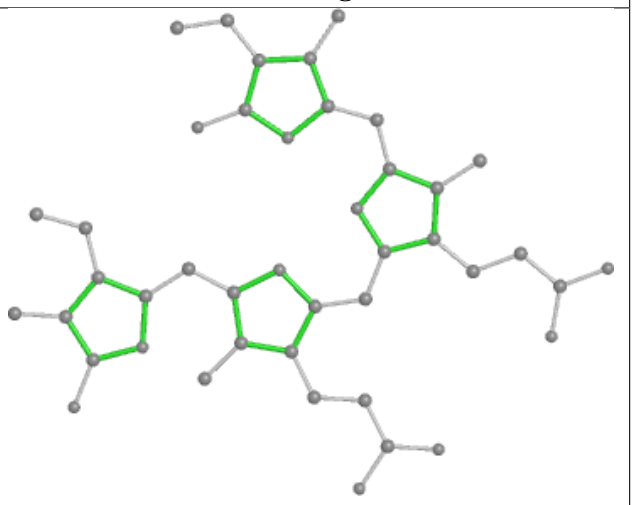
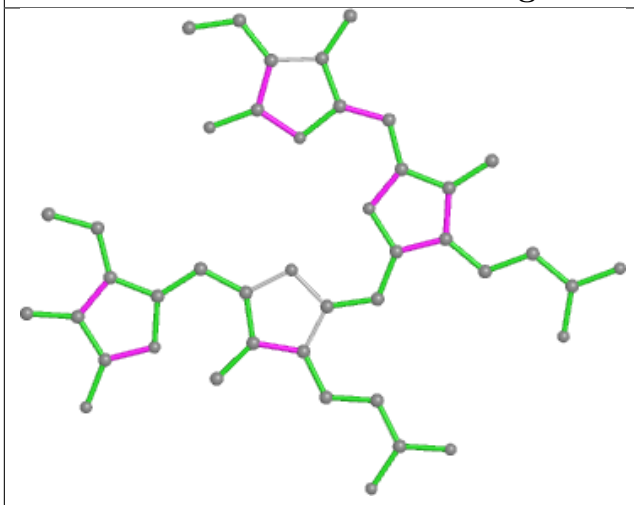


Rings

Ligand PUB x3 203



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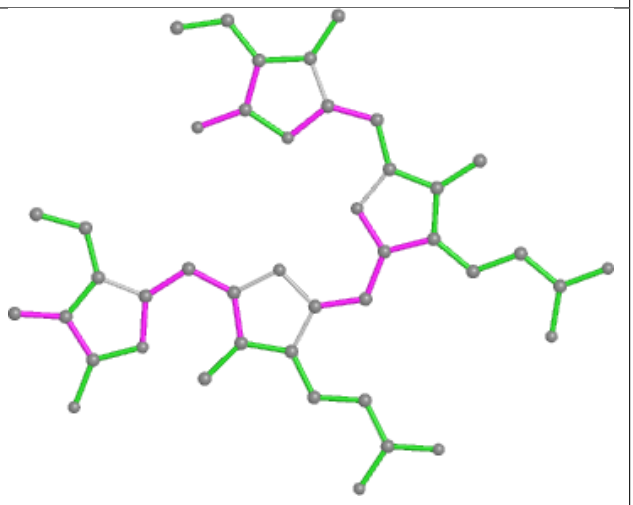
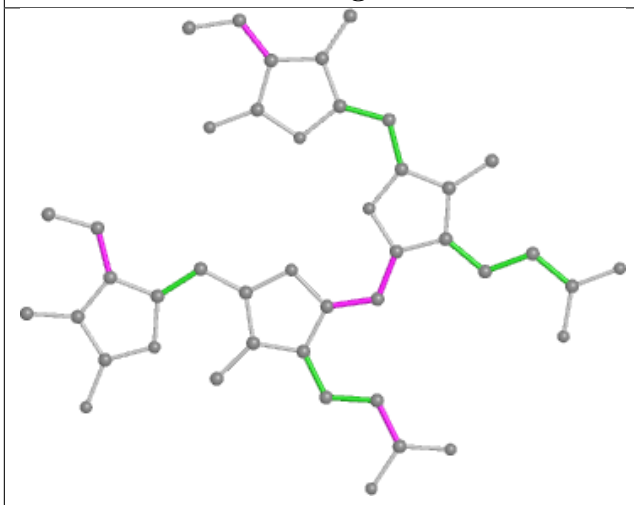


Bond angles



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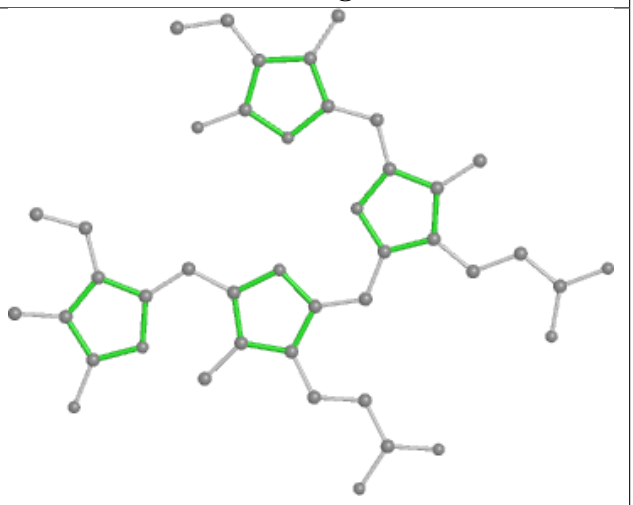
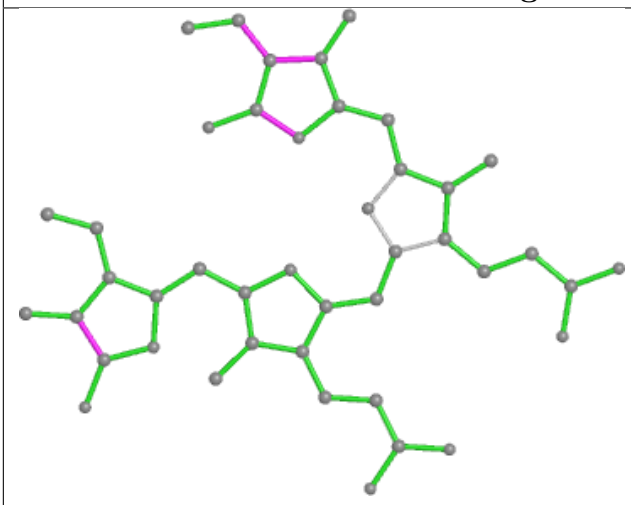


Rings

Ligand PEB cJ 201



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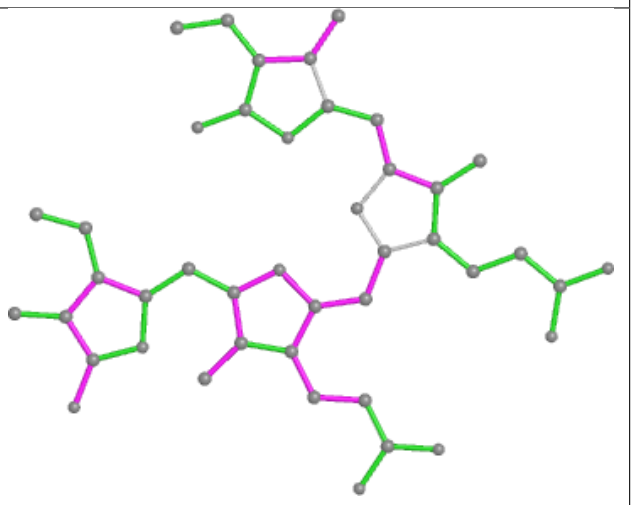

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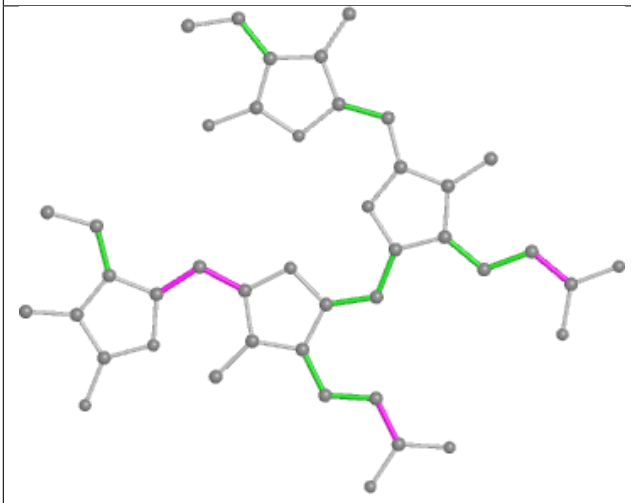

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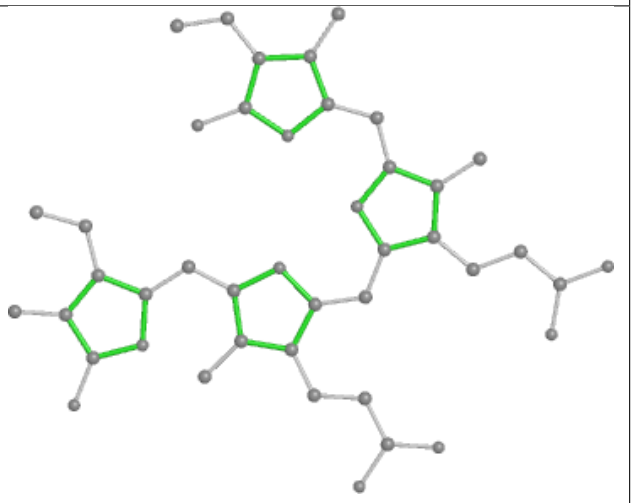
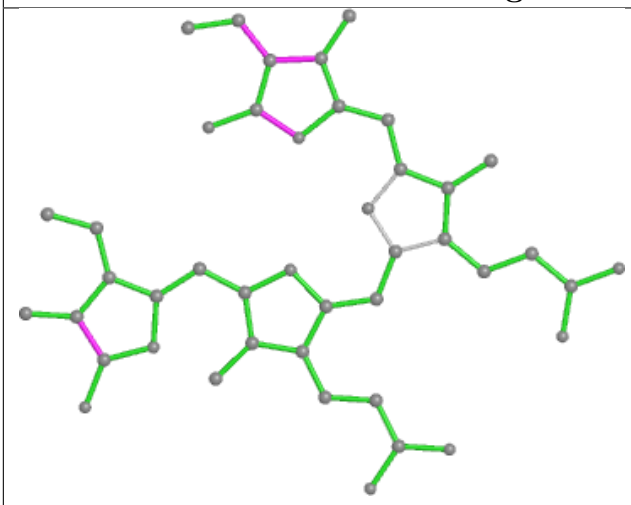


Rings

Ligand PEB kQ 1001



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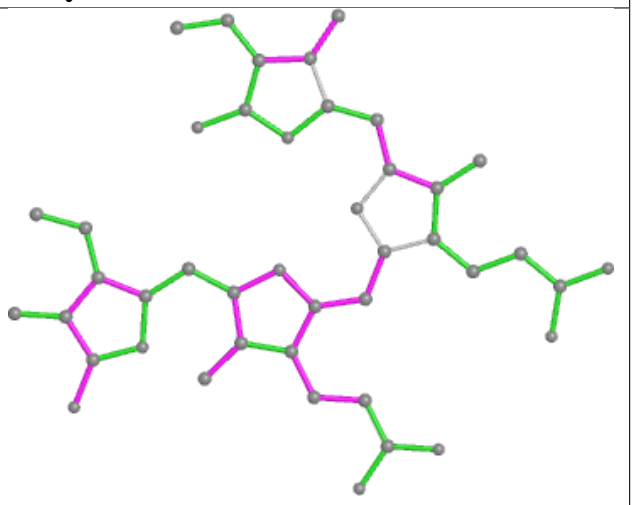

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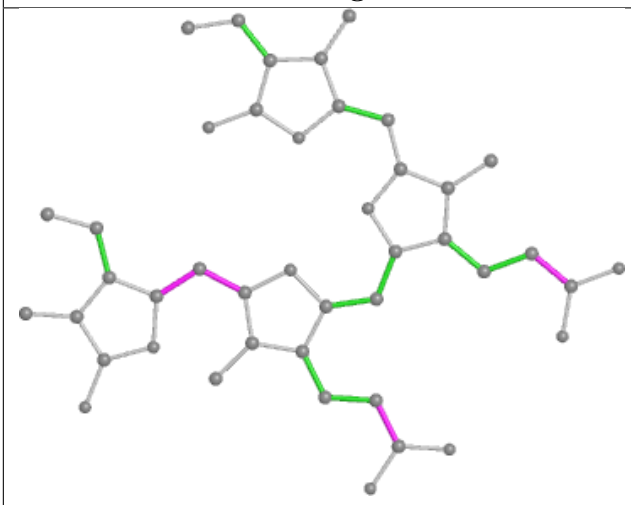

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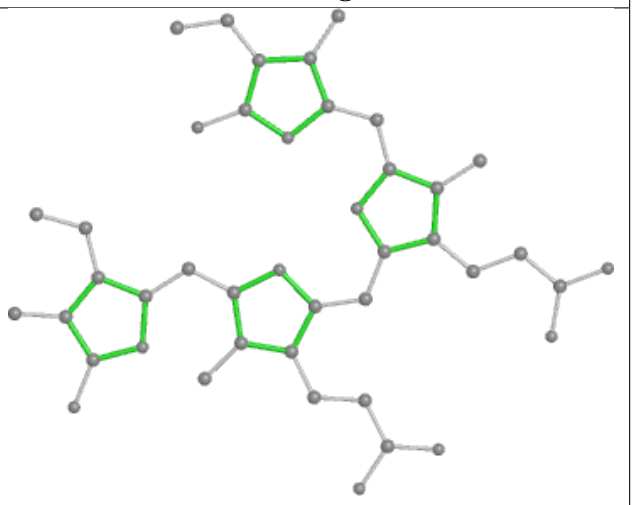
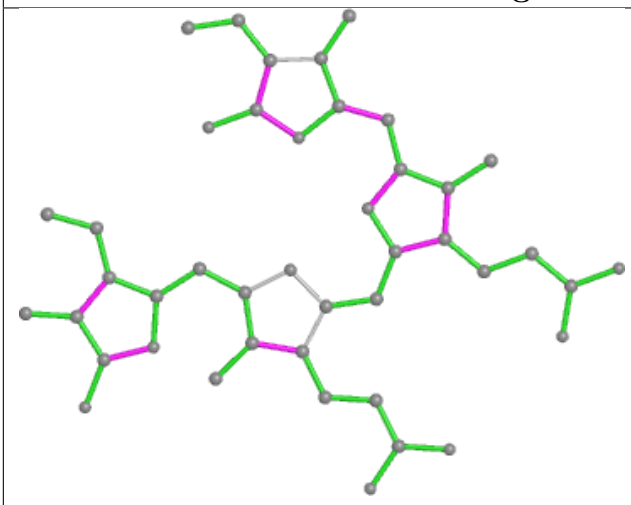


Rings

Ligand PUB N6 203



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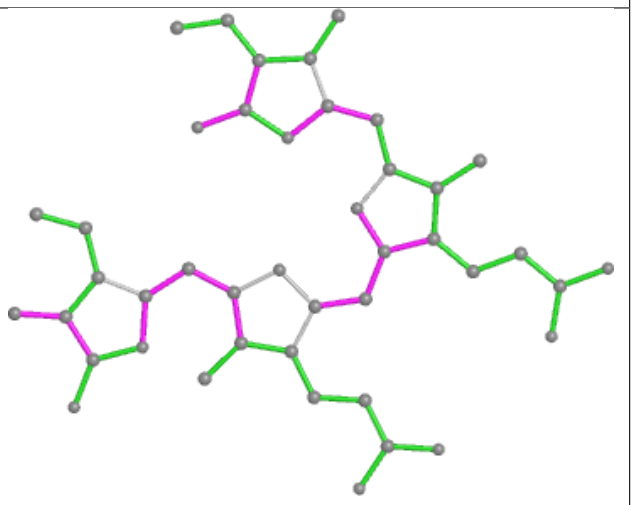

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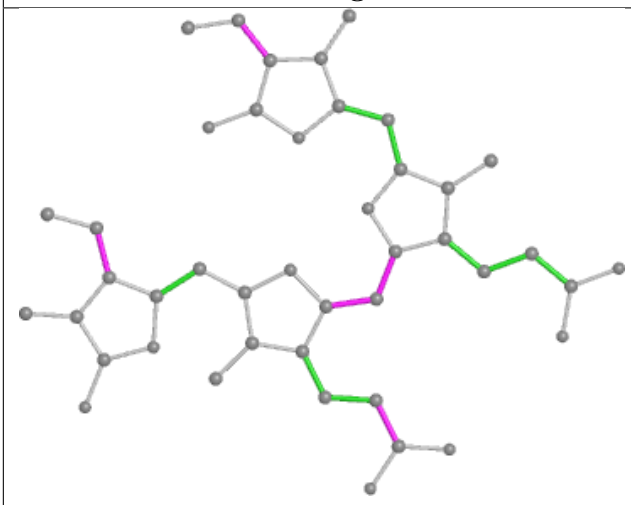

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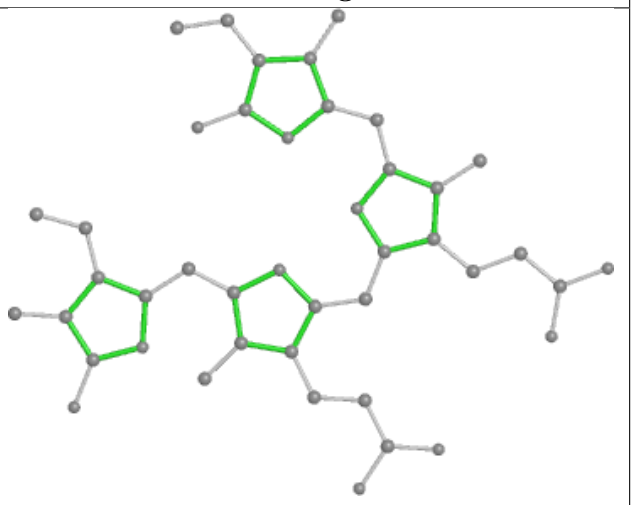
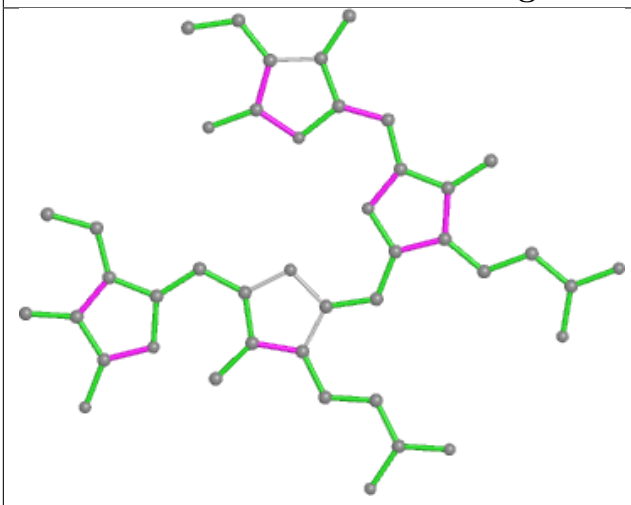


Rings

Ligand PUB cq 203



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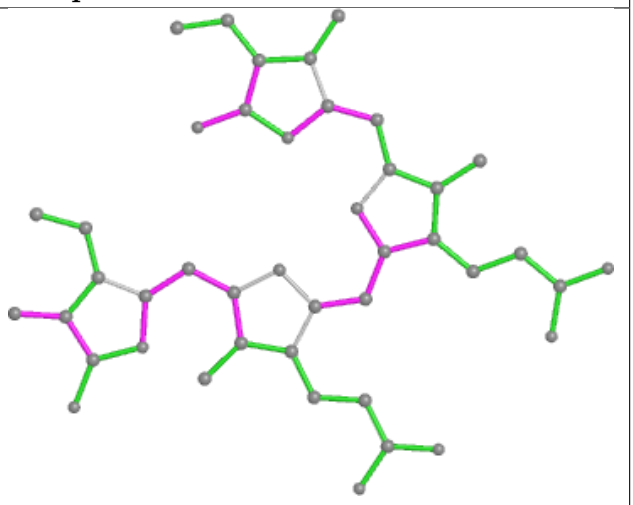
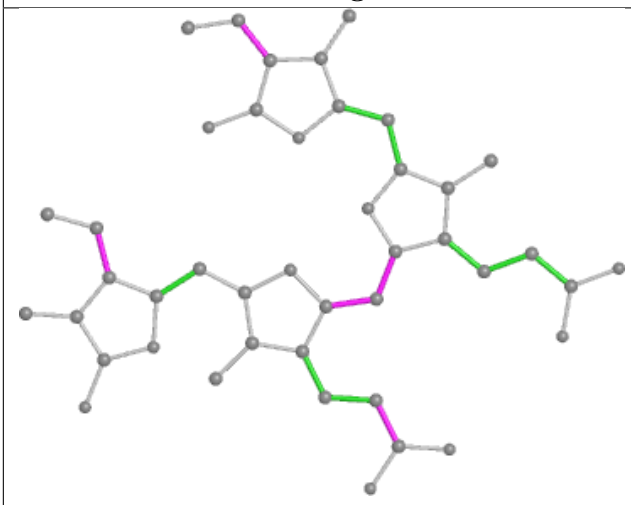


Bond angles



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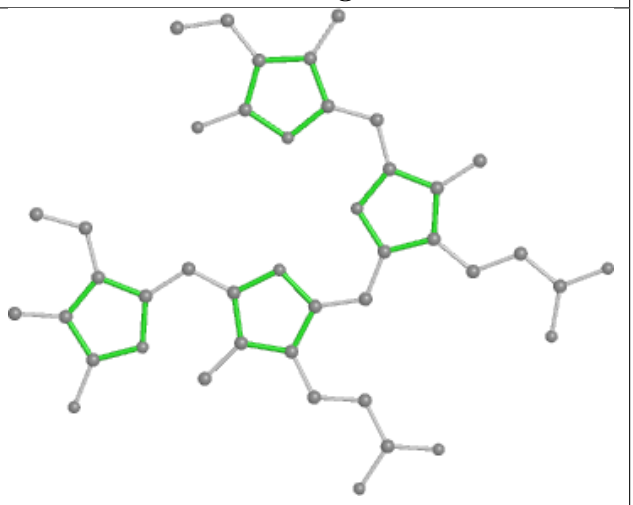
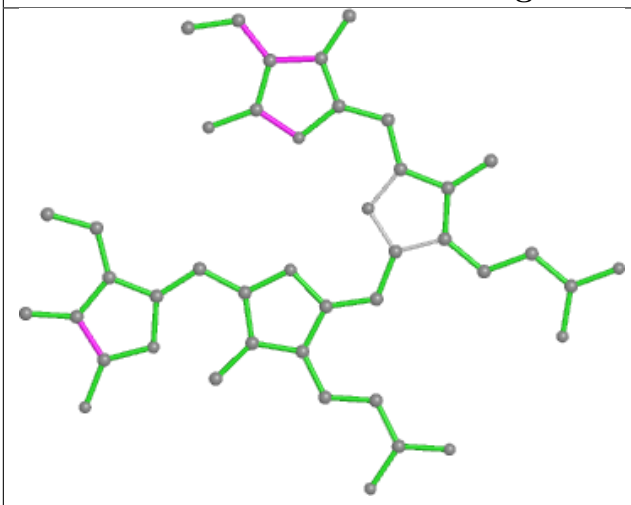


Rings

Ligand PEB A4 201



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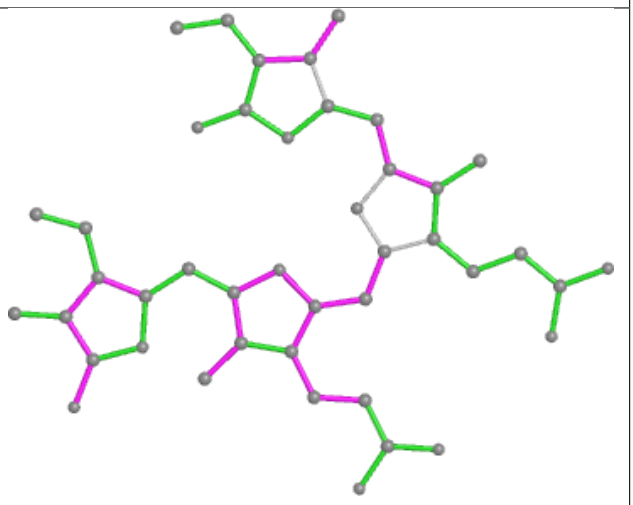
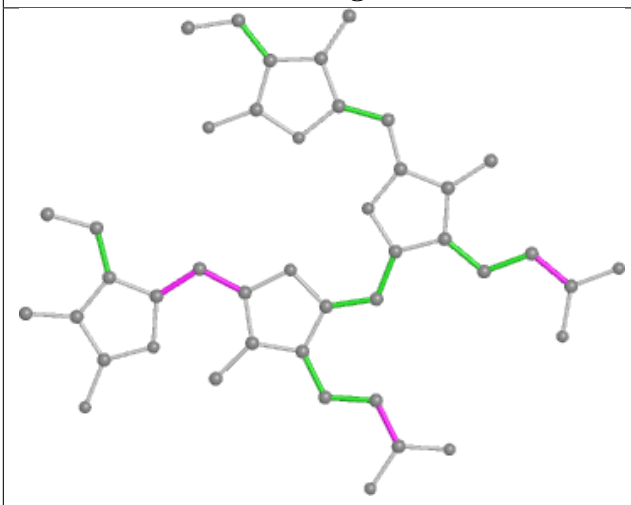


Bond angles



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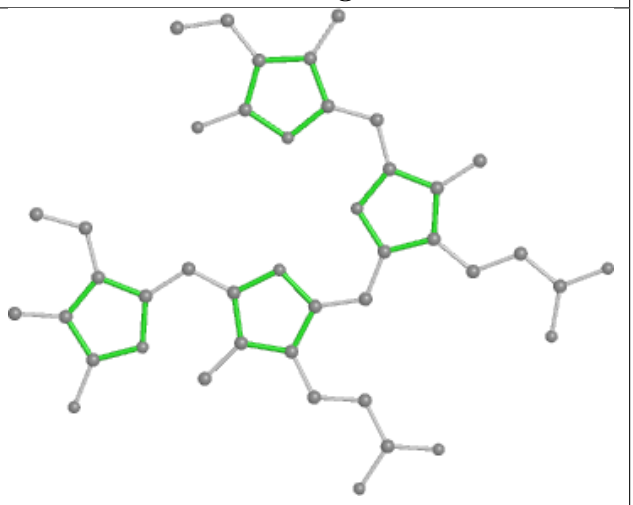
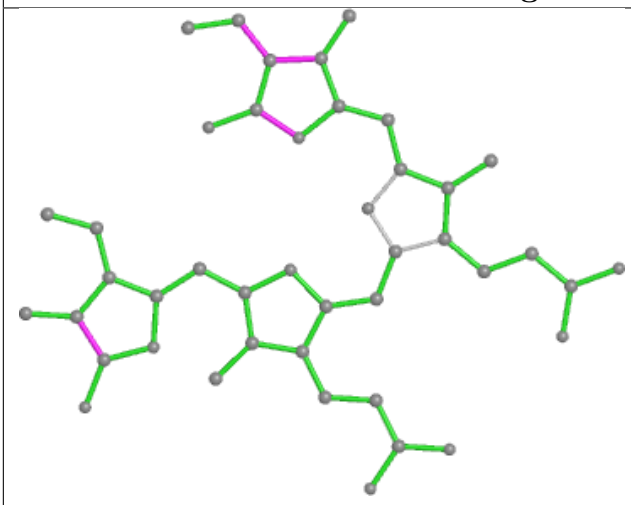
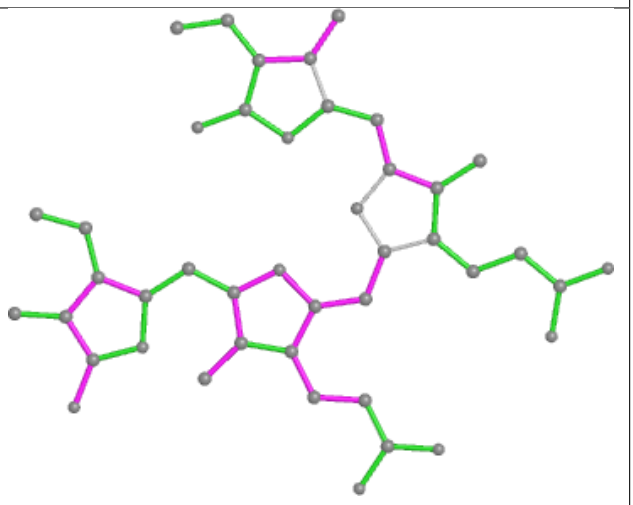


Rings

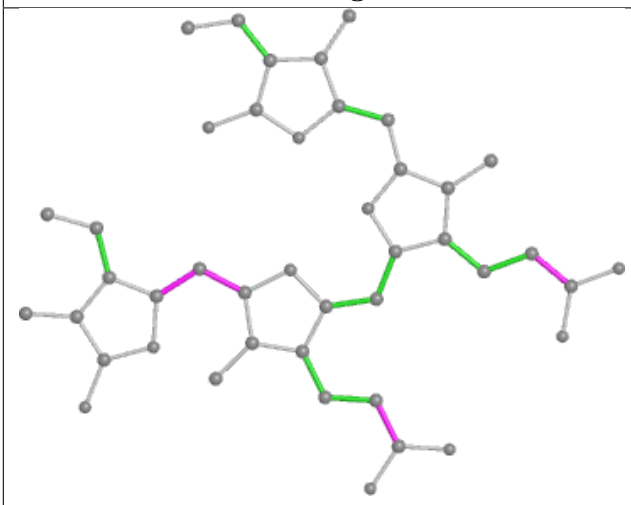
Ligand PEB e9 301



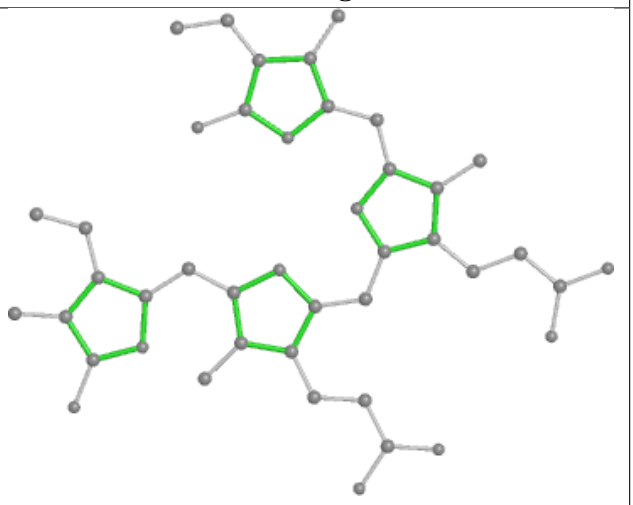
Bond lengths



Bond angles

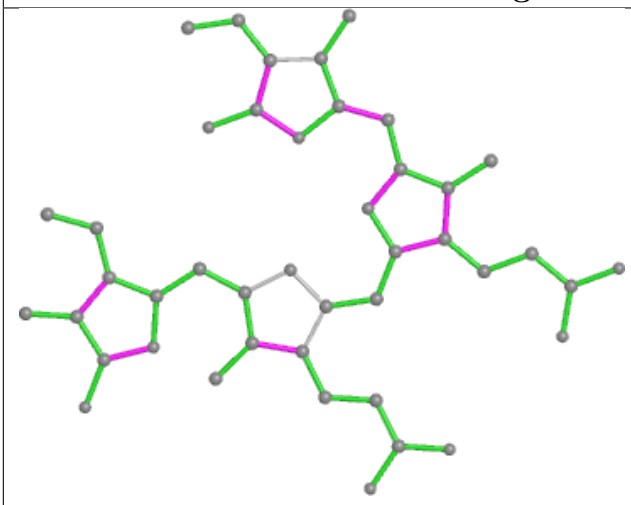


Torsions



Rings

Ligand PUB D6 202



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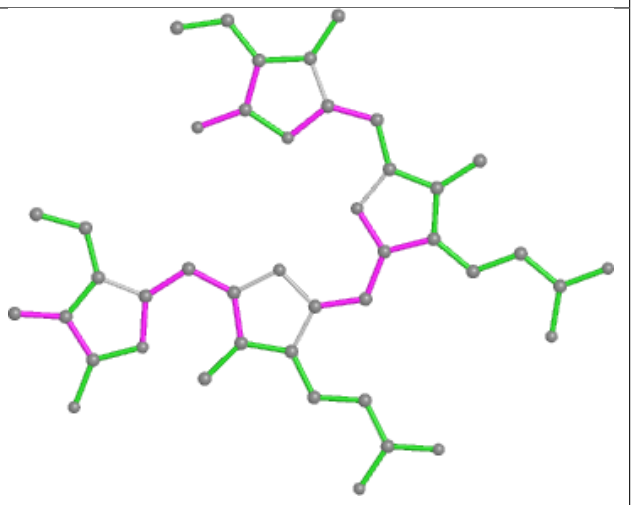

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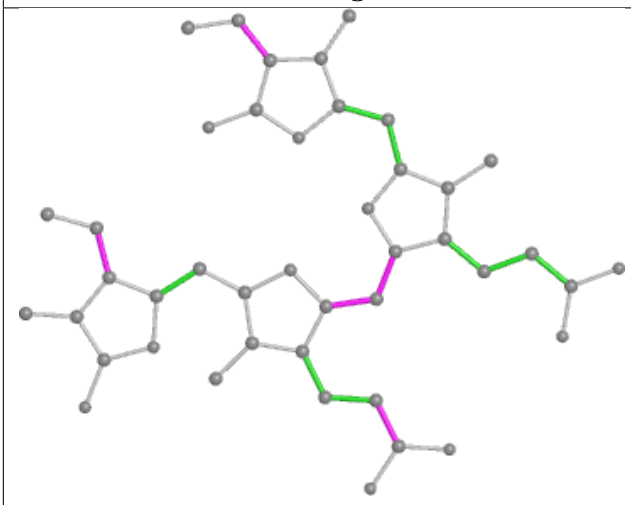

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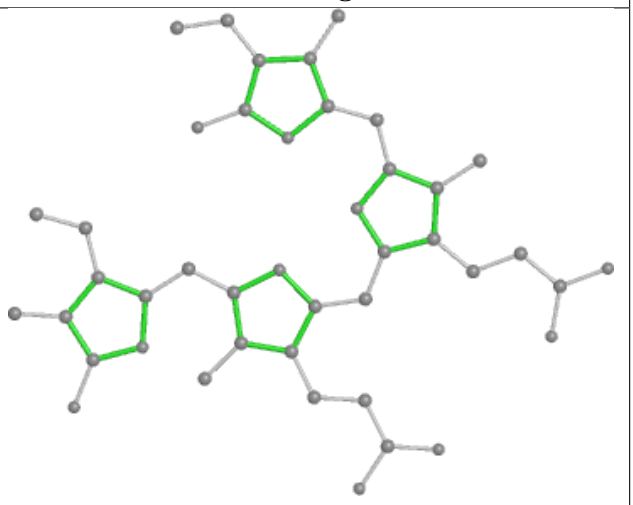
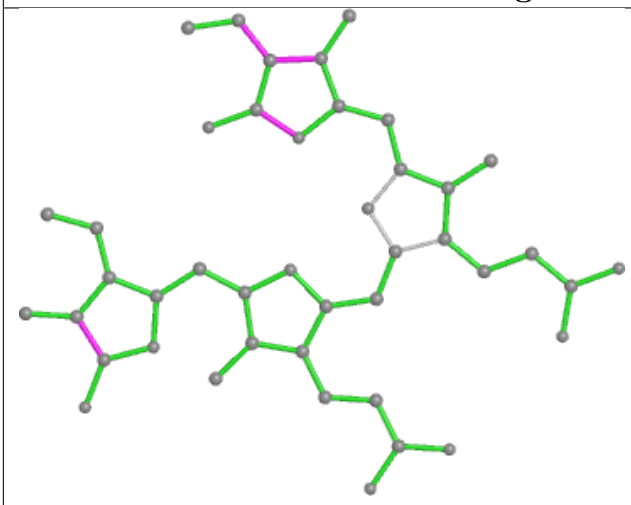


Rings

Ligand PEB la 1001



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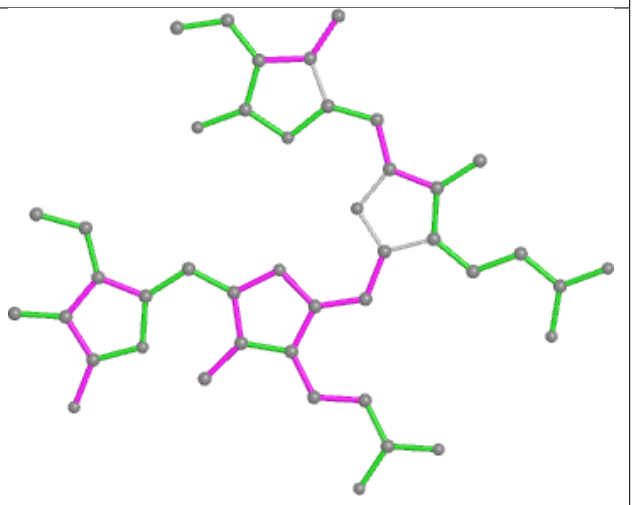

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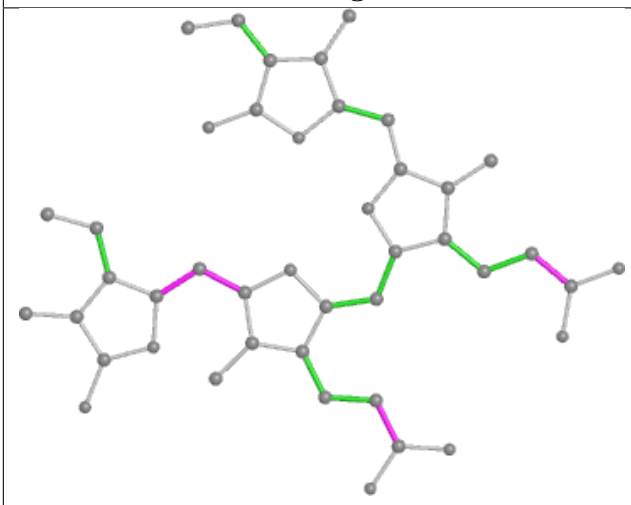

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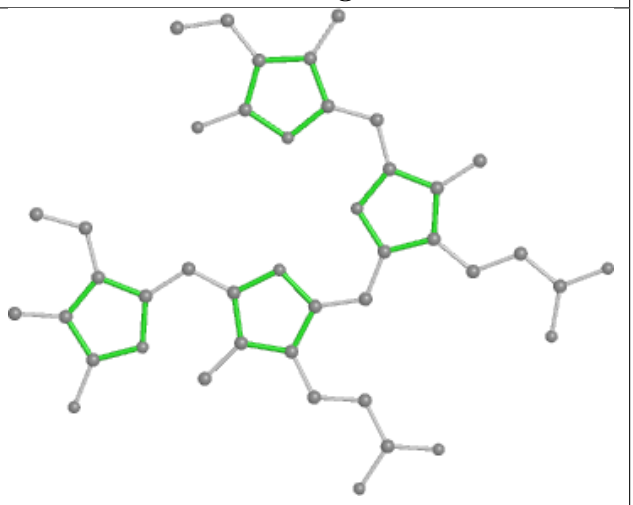

Rings

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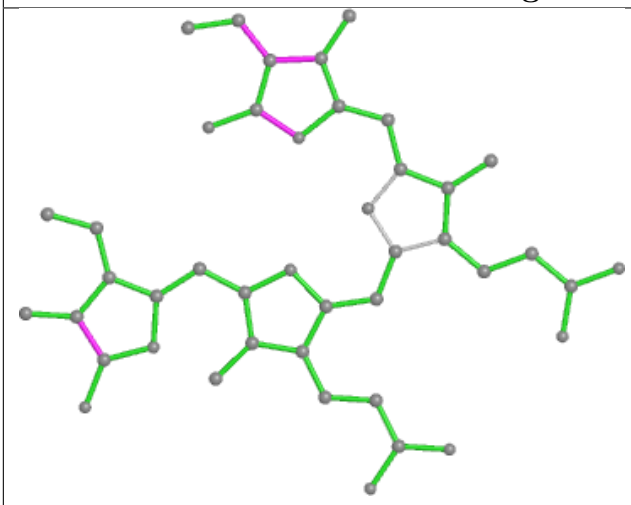

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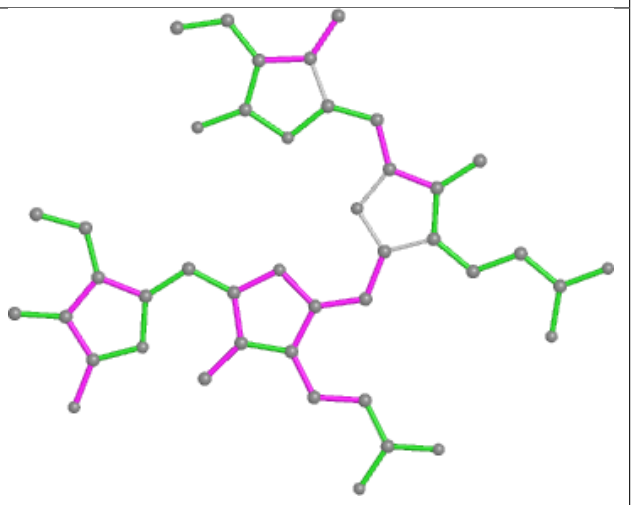

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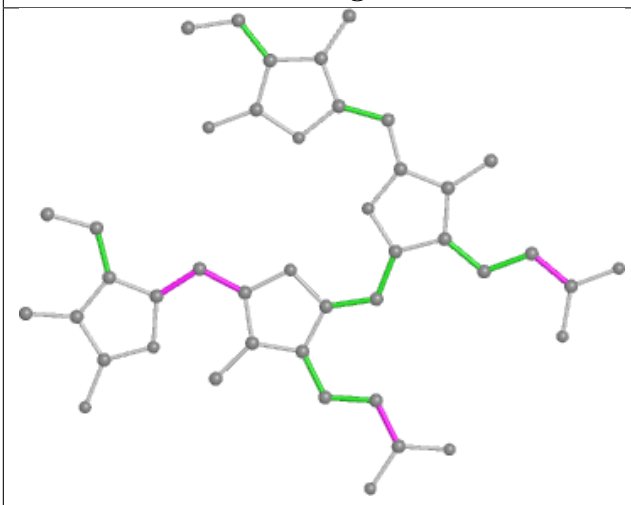

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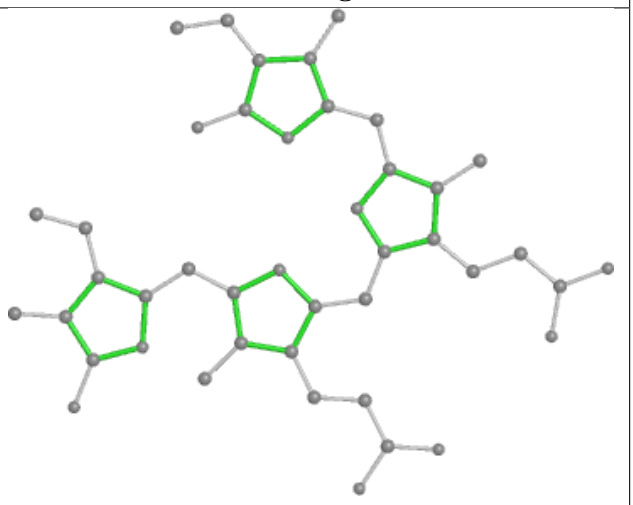

Rings

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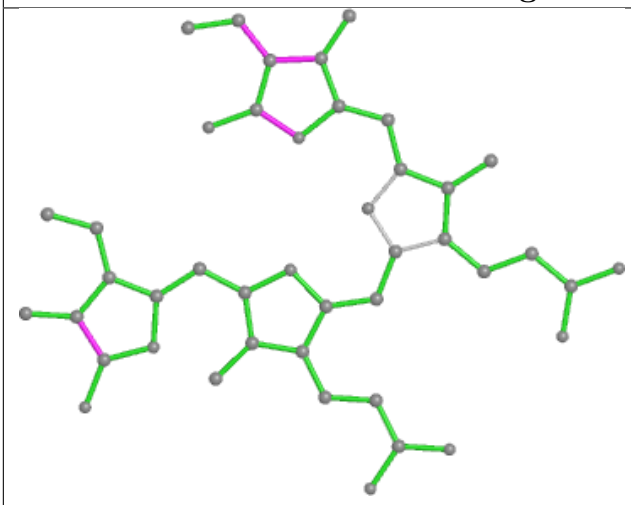

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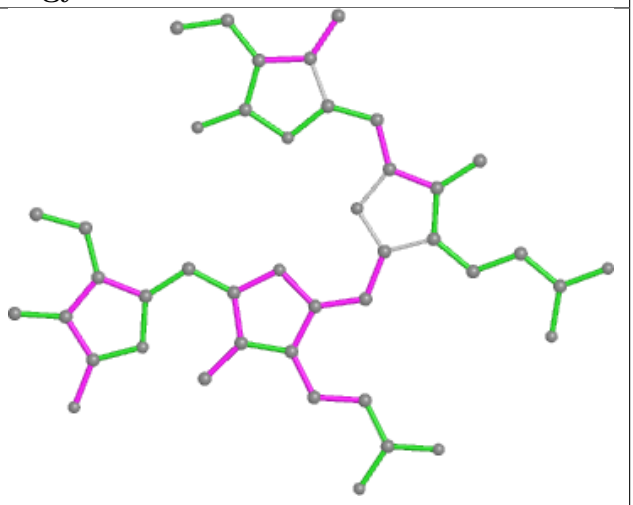

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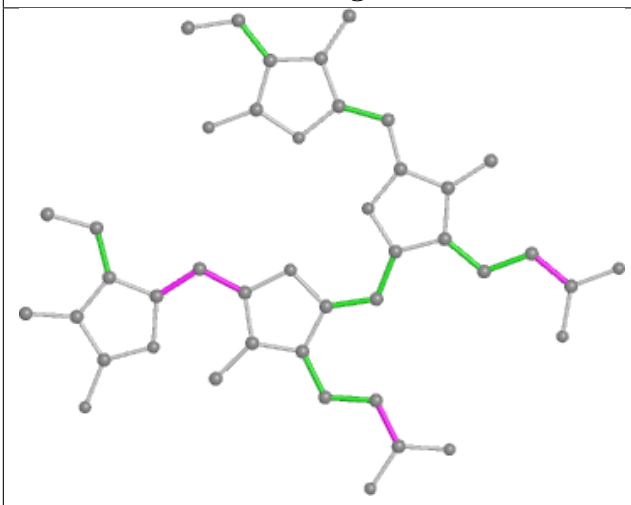

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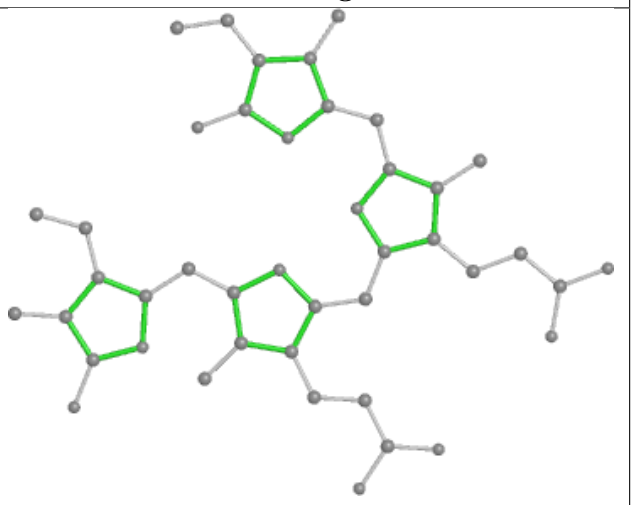

Rings

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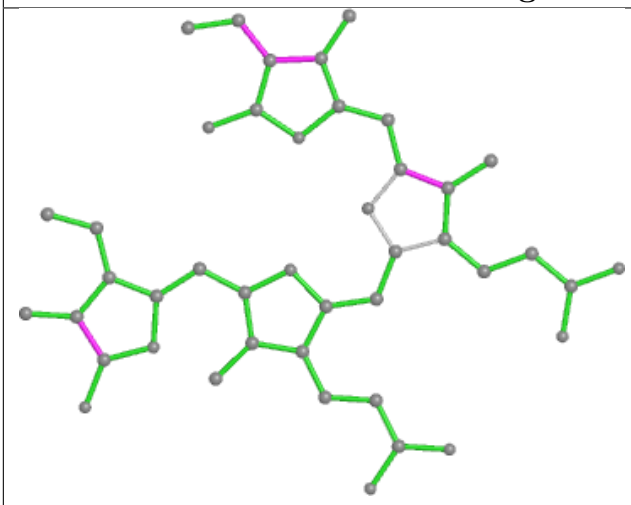

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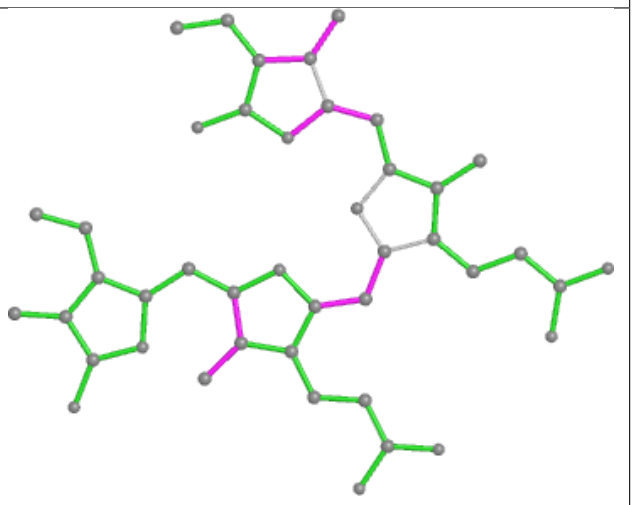

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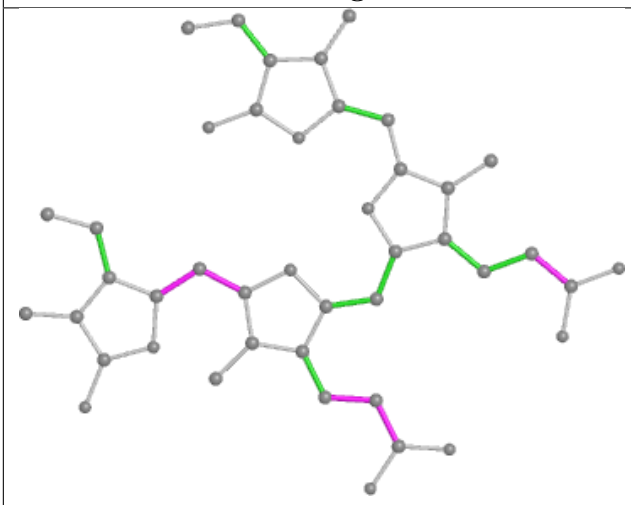

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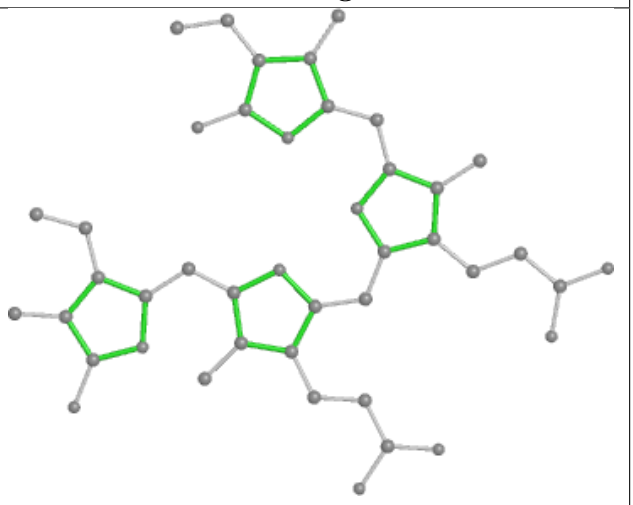

Rings

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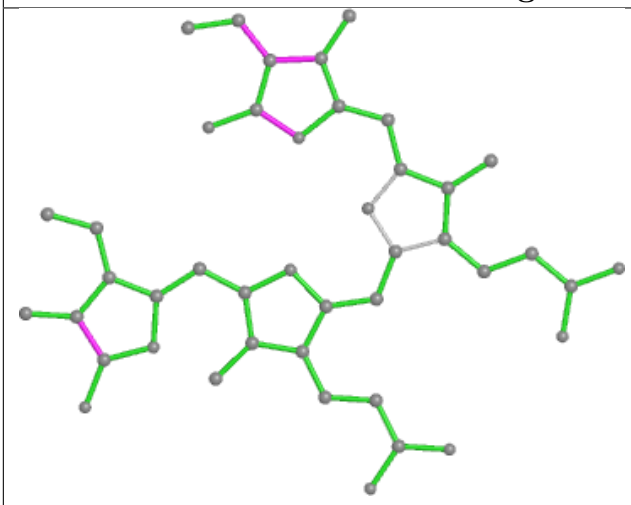

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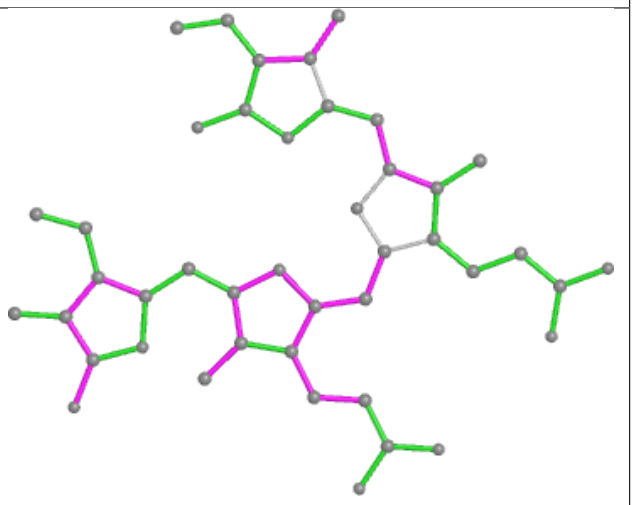

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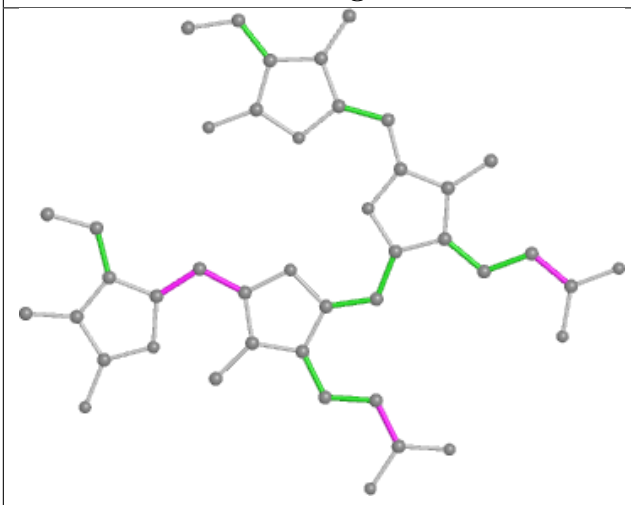

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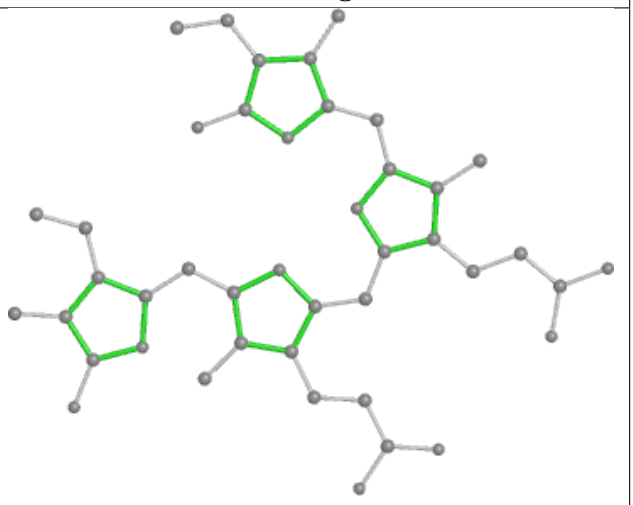

Rings

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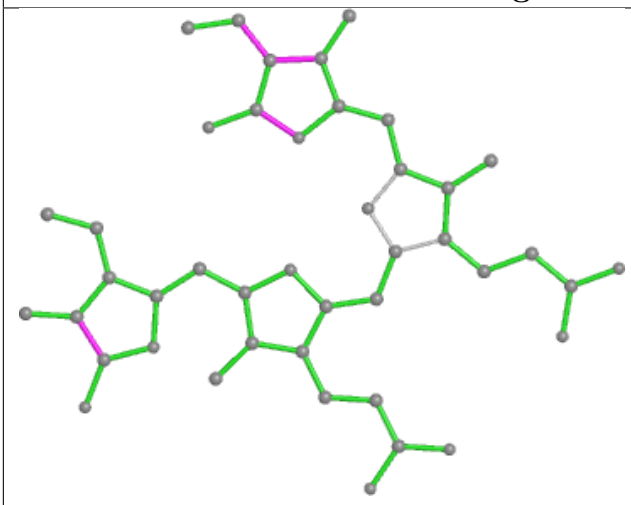

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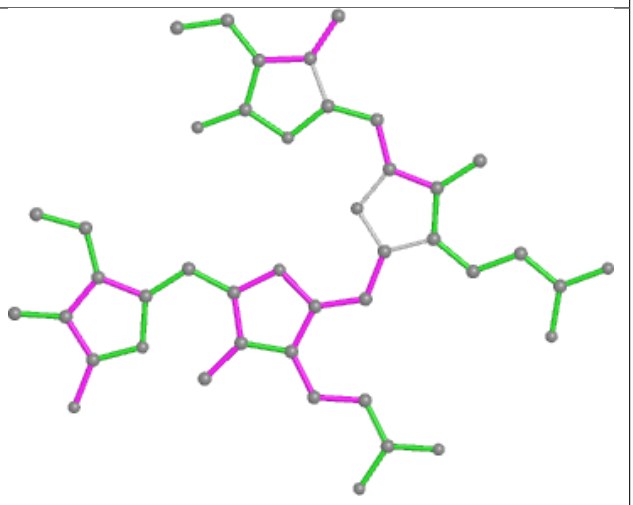

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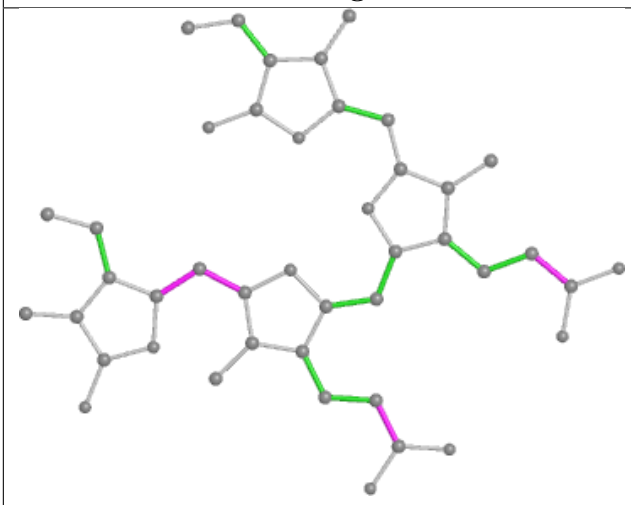

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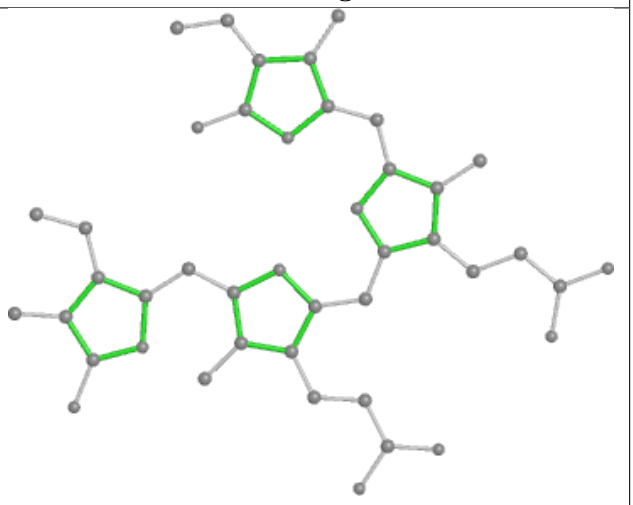

Rings

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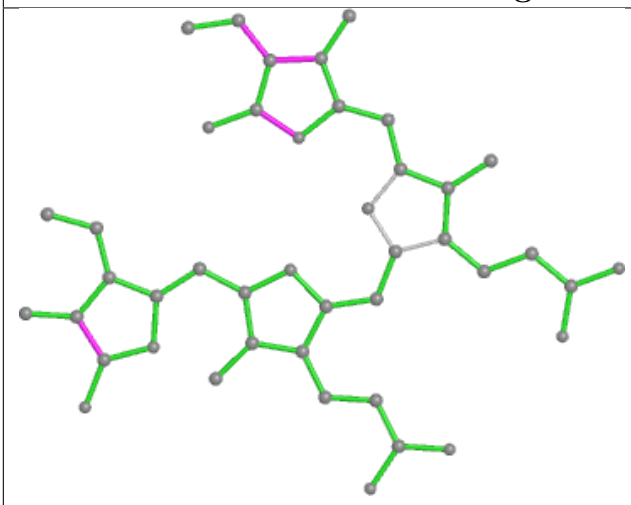

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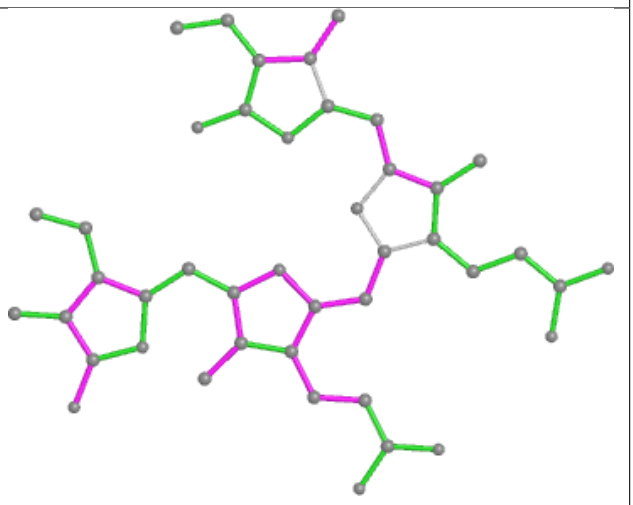

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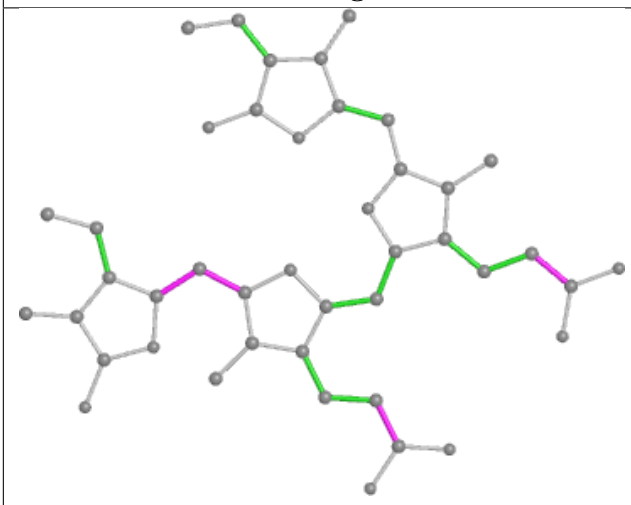

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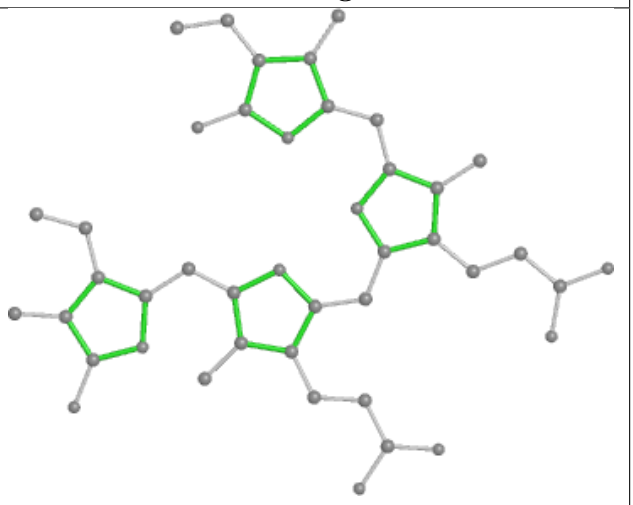

Rings

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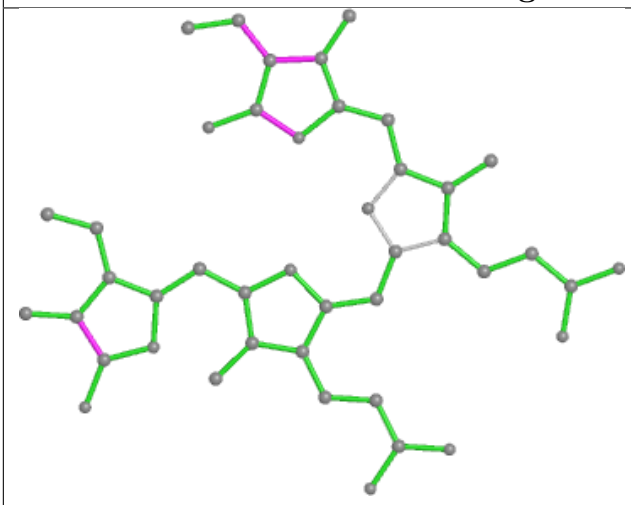

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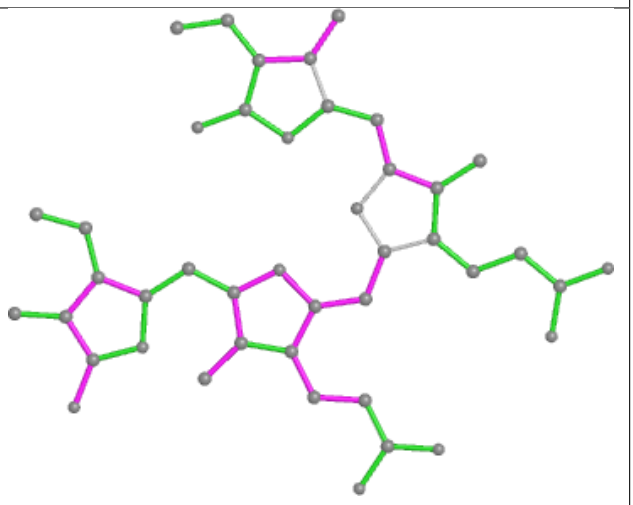

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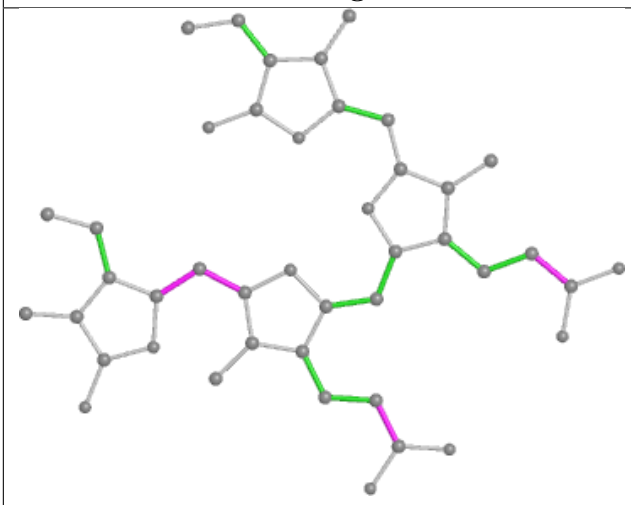

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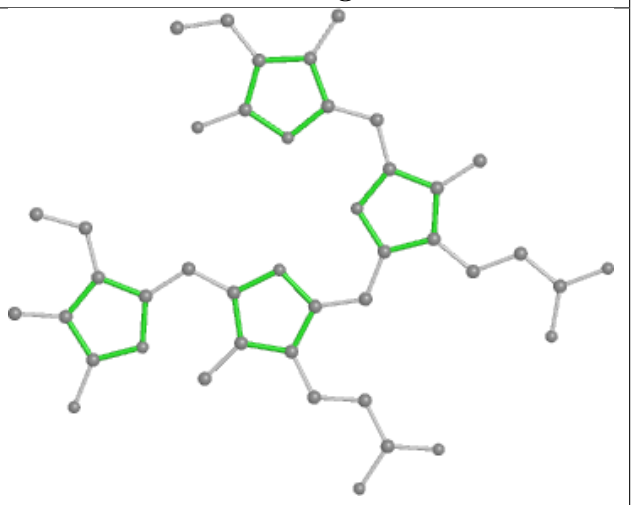
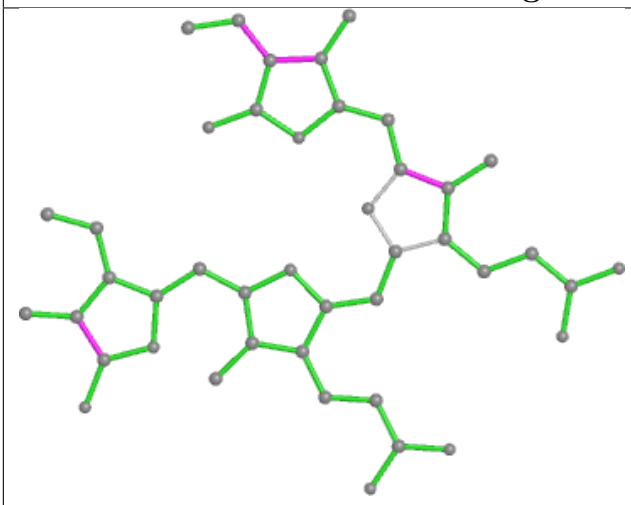


Rings

Ligand PEB fx 202



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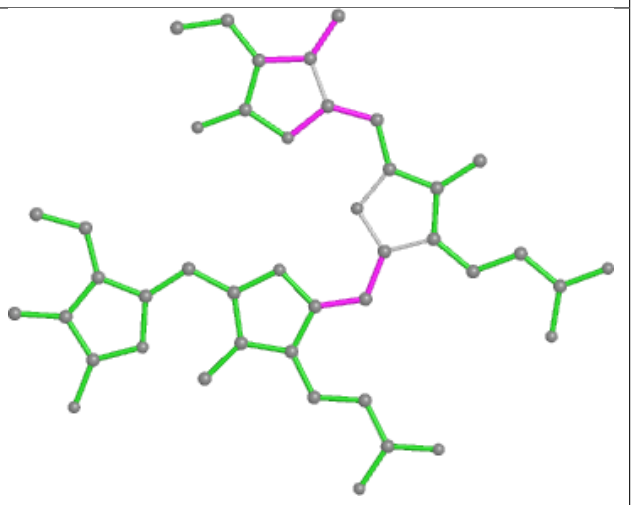

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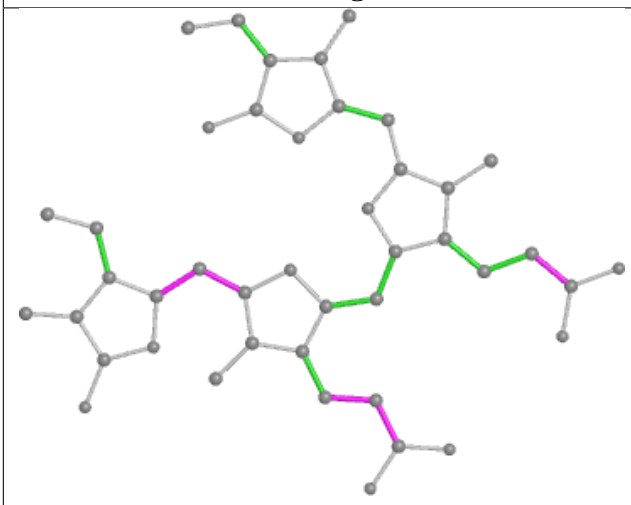

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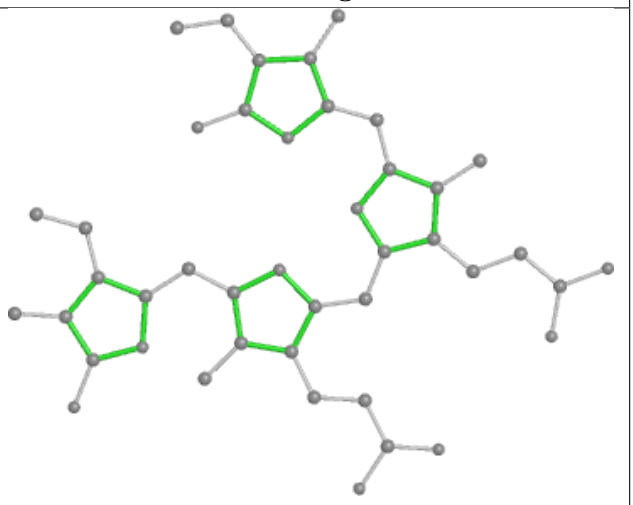

Rings

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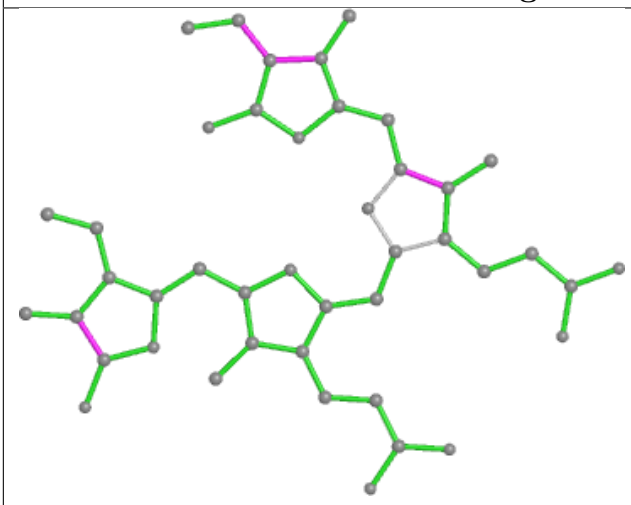

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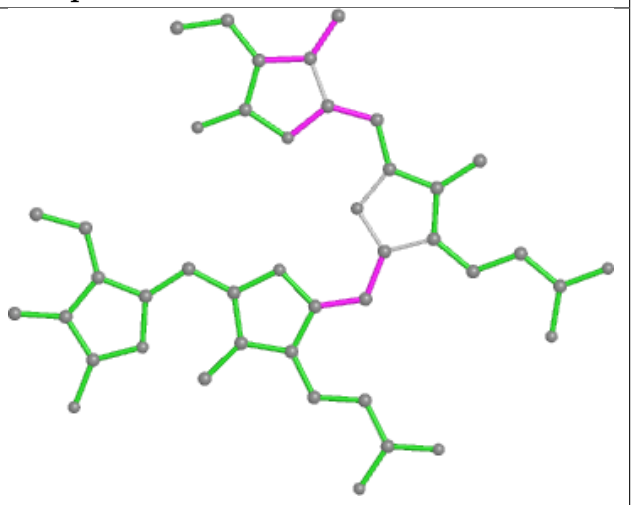

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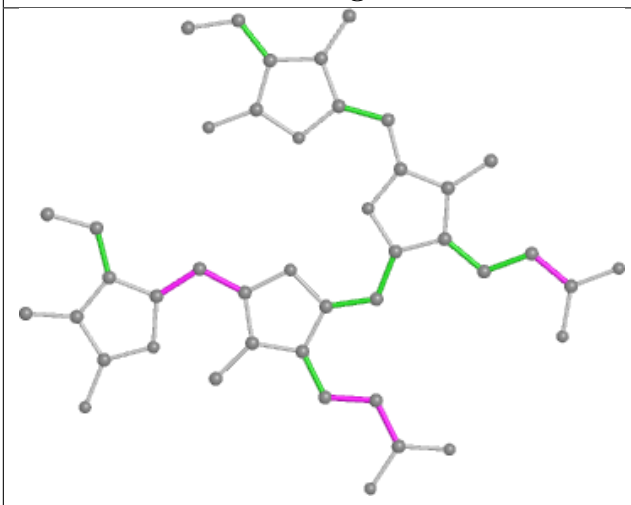

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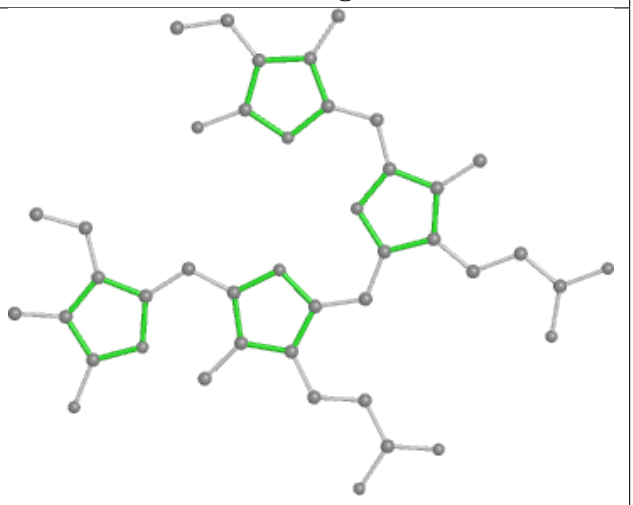
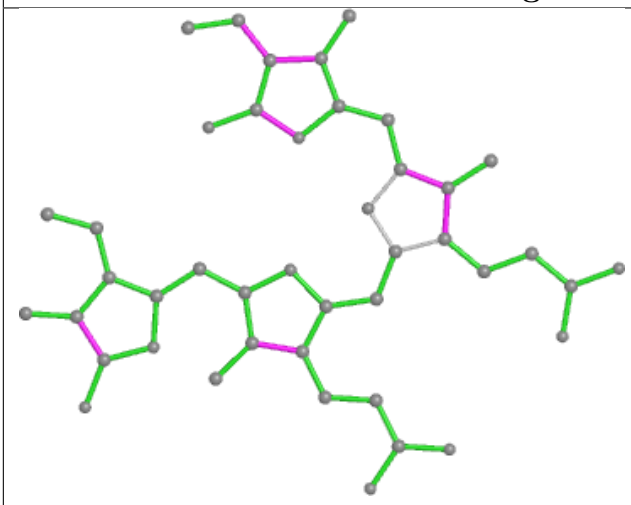


Rings

Ligand PEB ln 202



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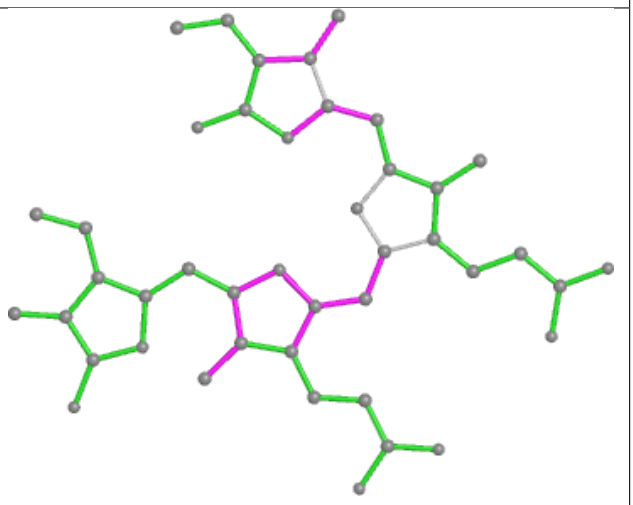

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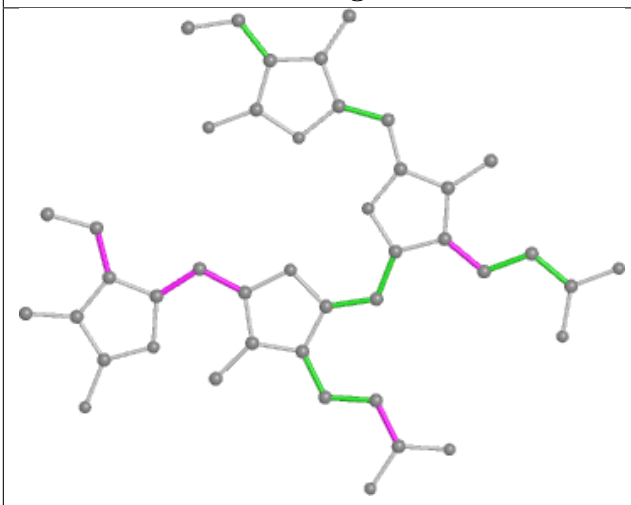

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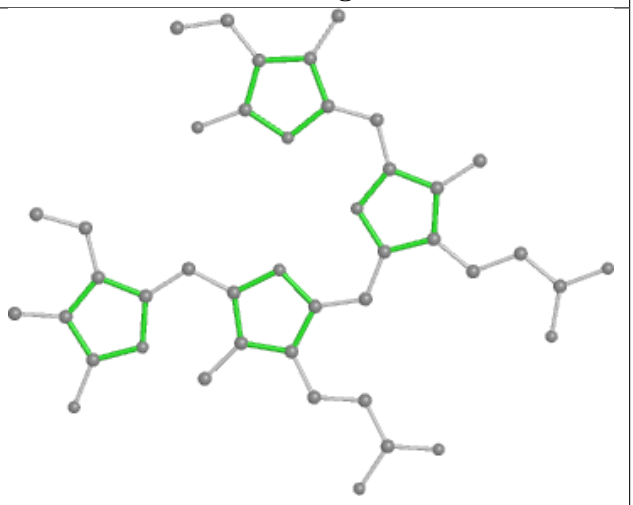

Rings

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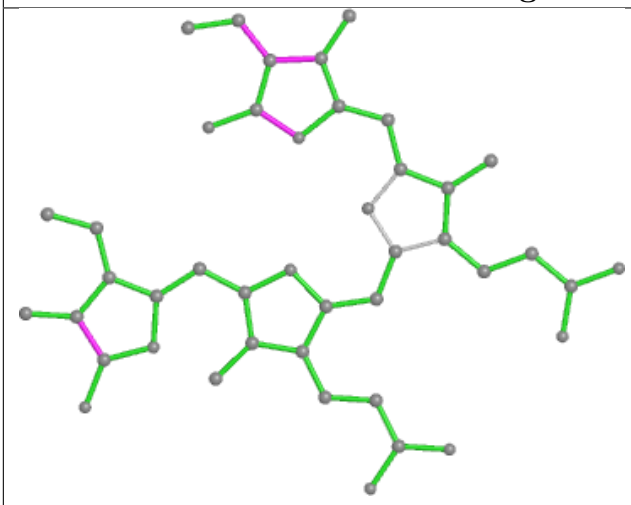

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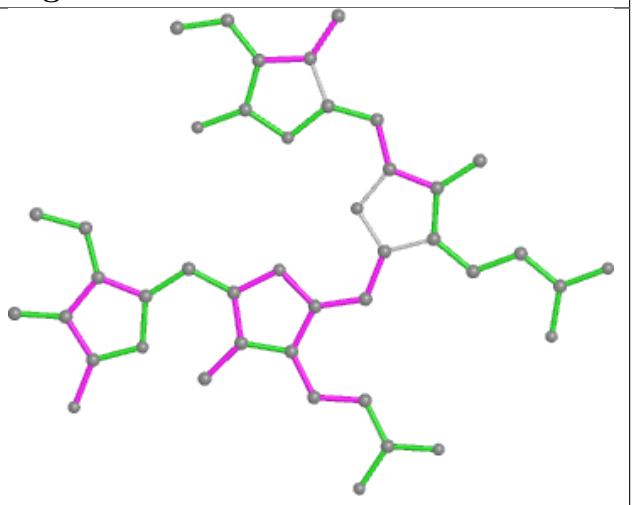
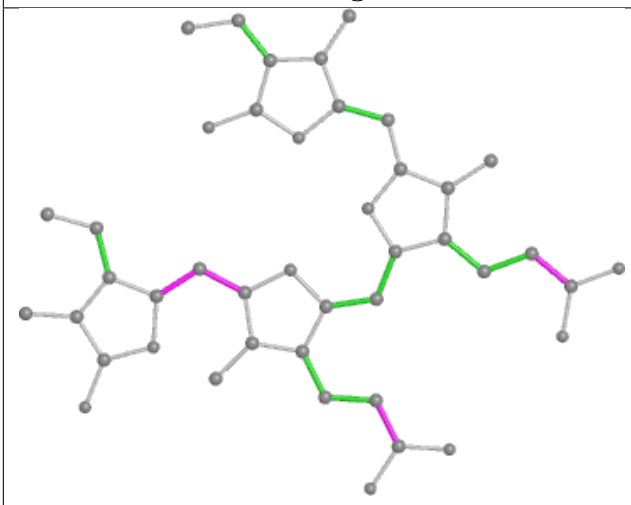
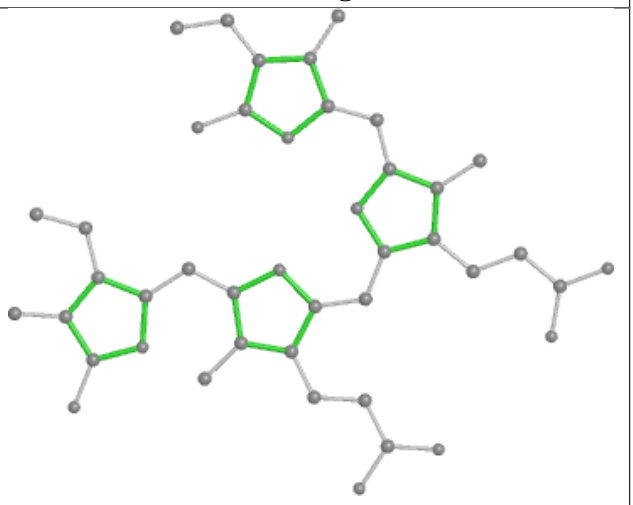


Bond angles

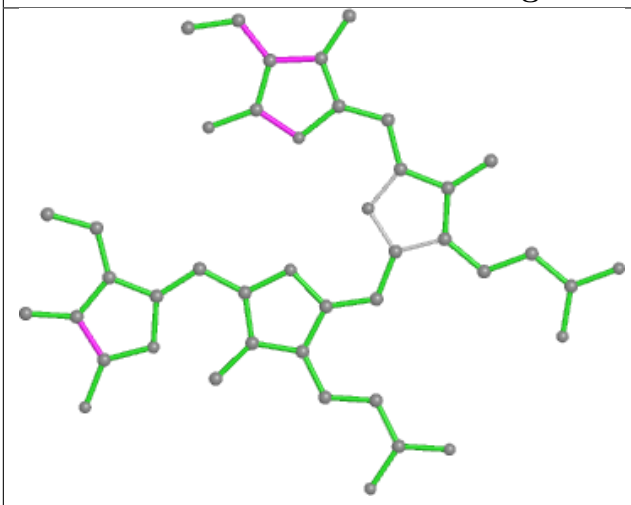


Torsions



Rings

Ligand PEB gt 201



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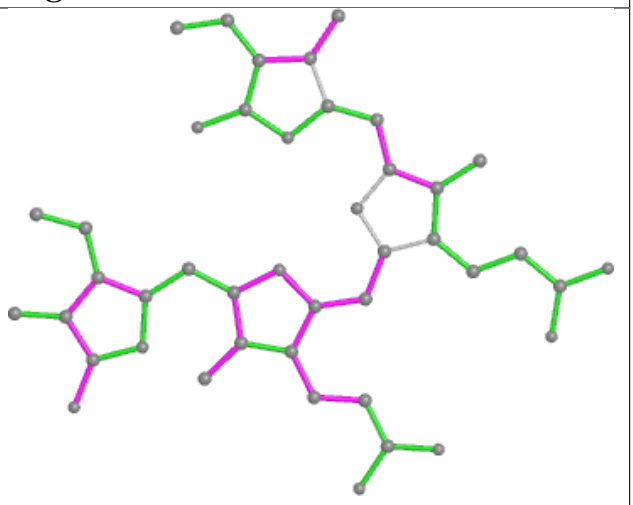

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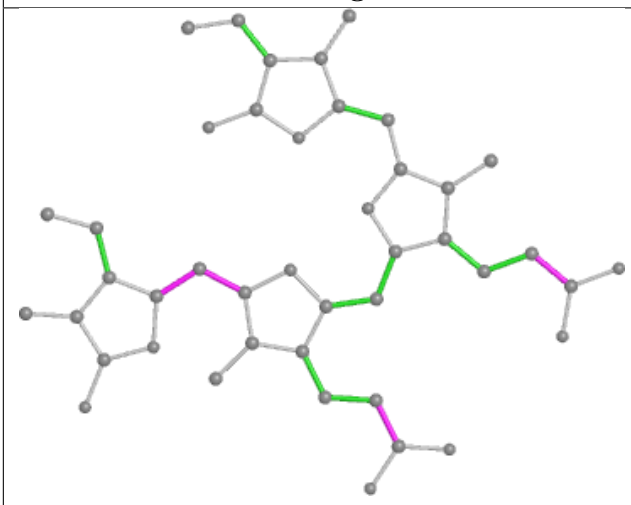

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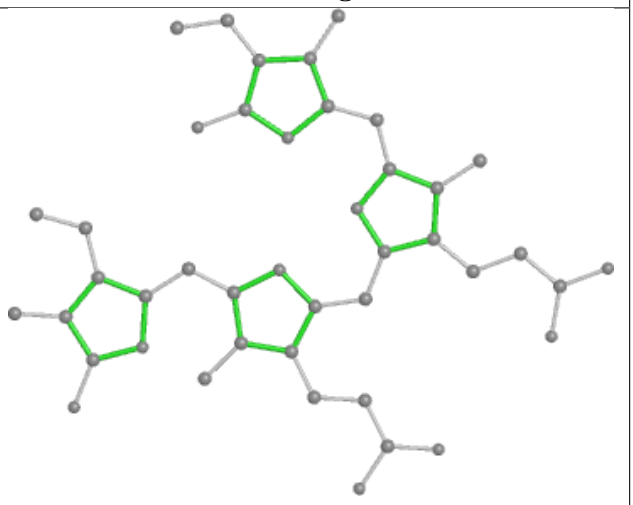
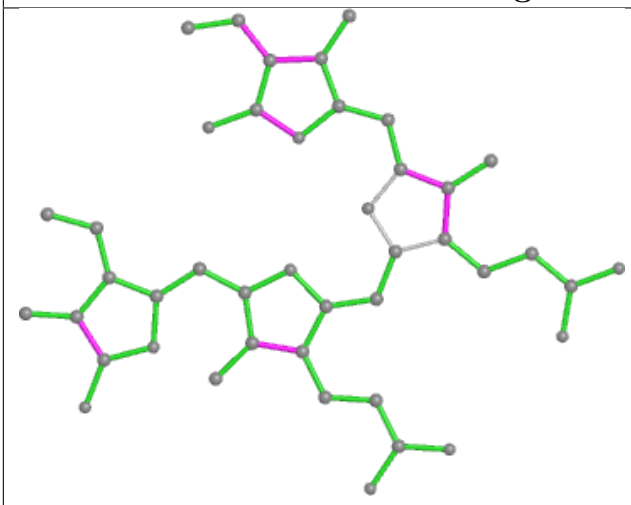


Rings

Ligand PEB jJ 1002



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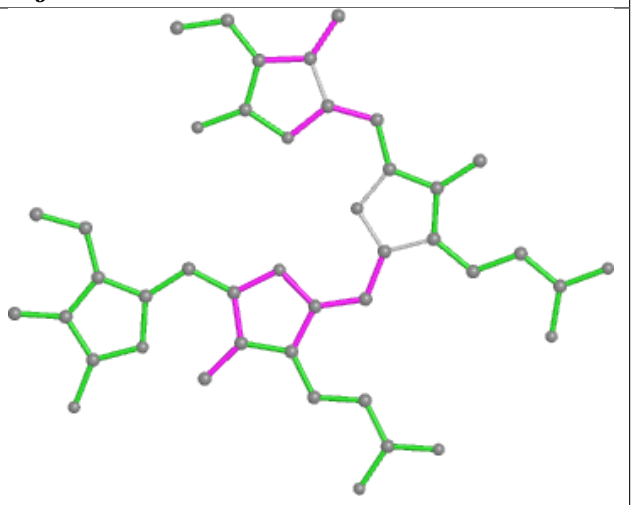

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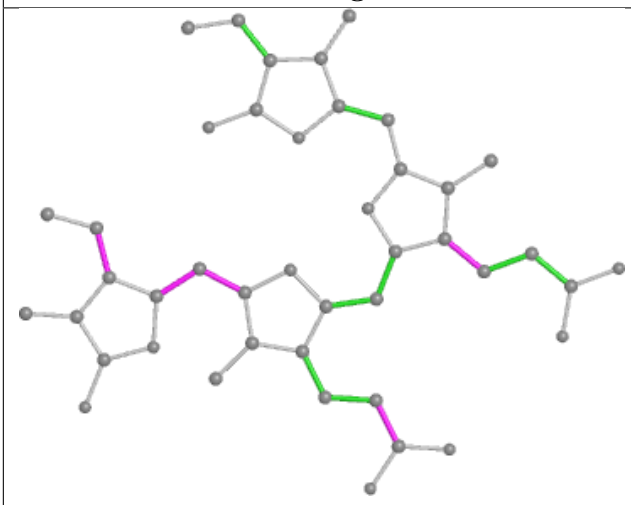

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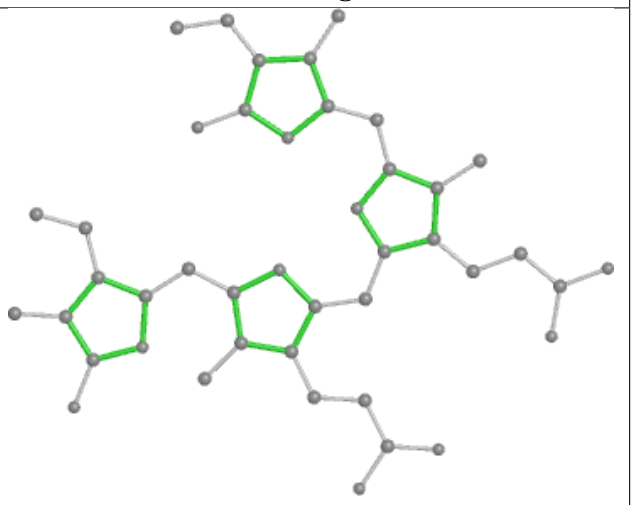
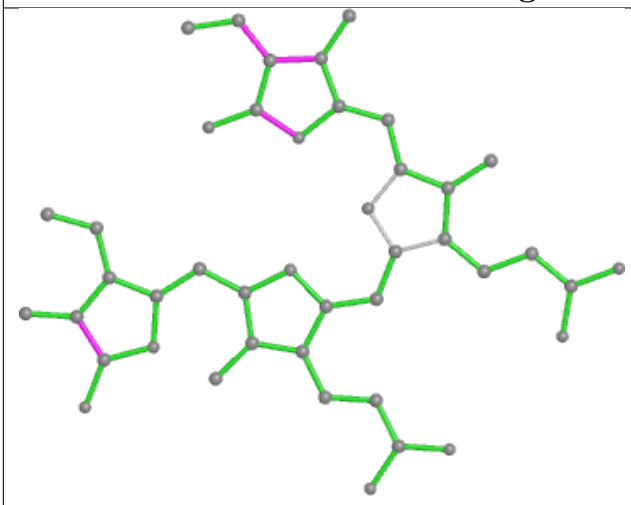


Rings

Ligand PEB S7 201



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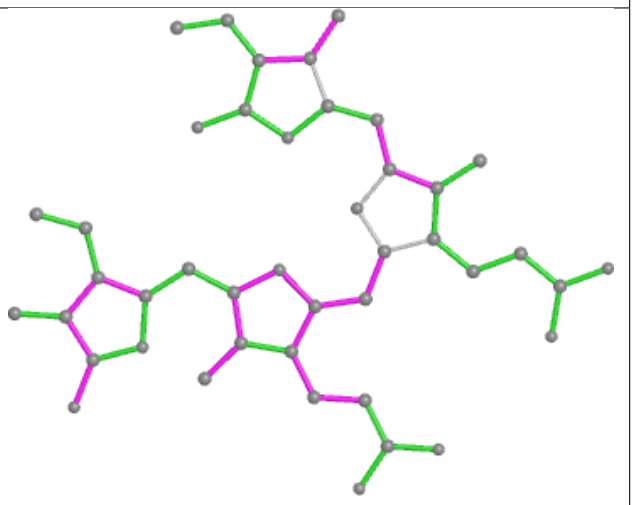

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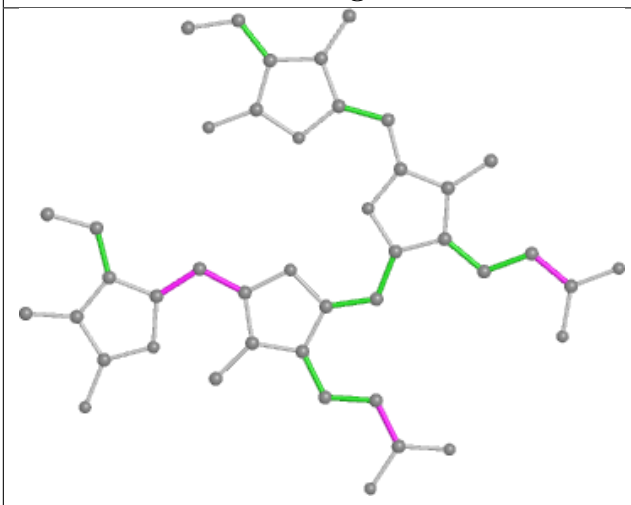

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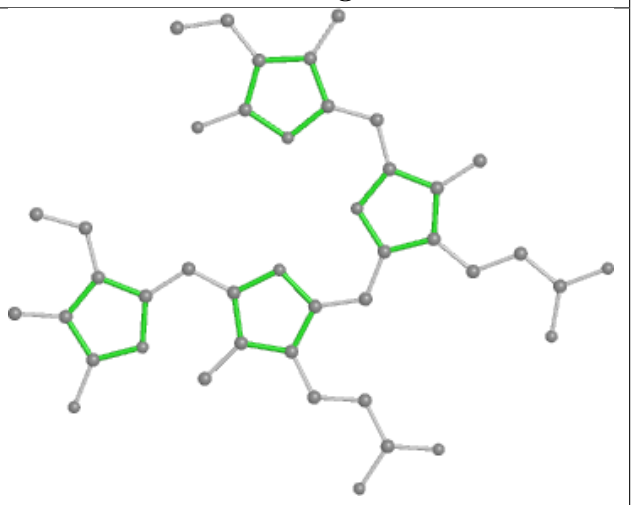
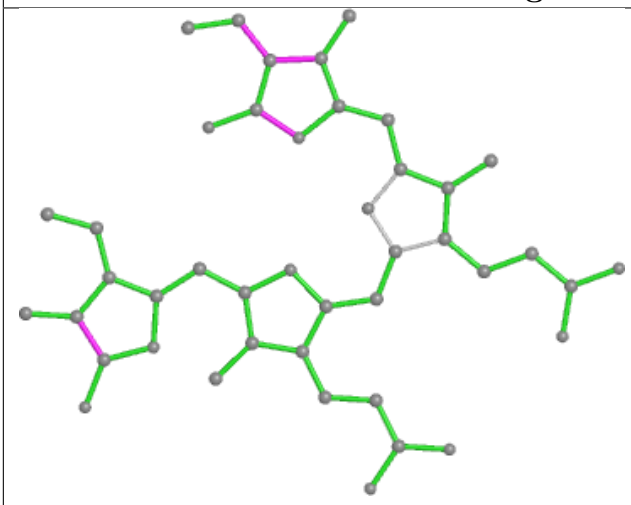


Rings

Ligand PEB lt 201



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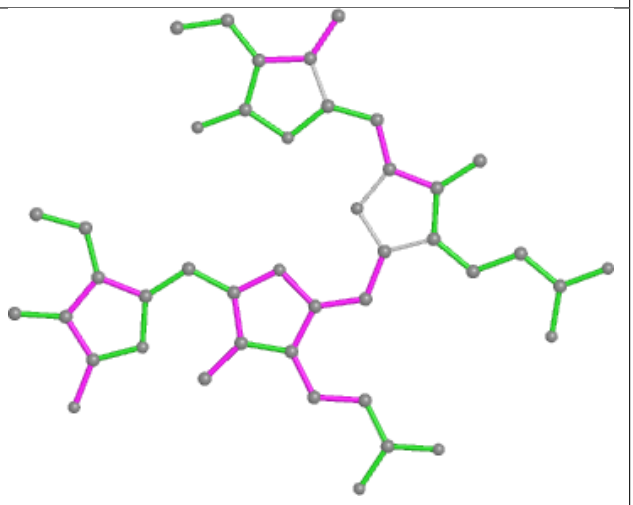

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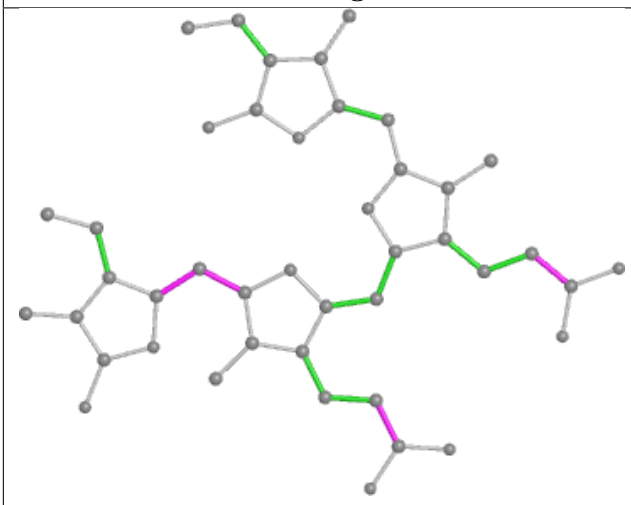

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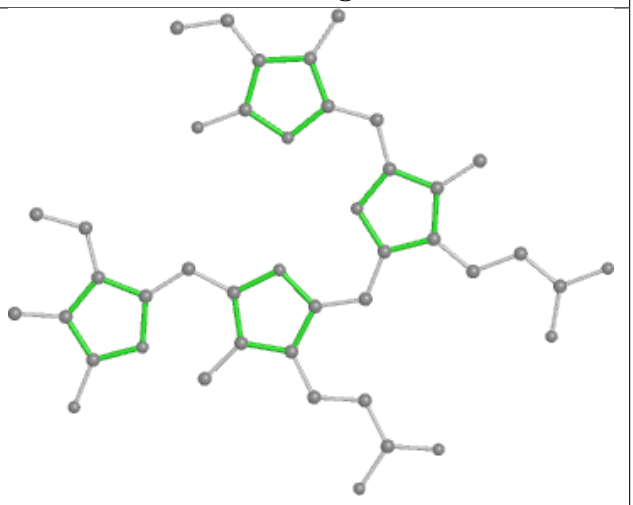
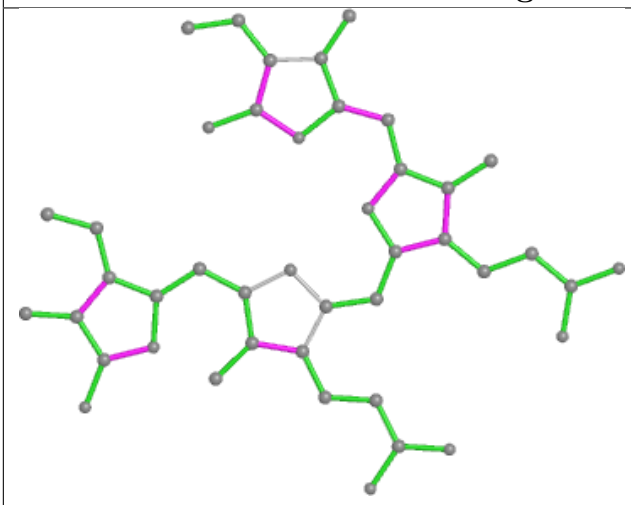


Rings

Ligand PUB dx 406



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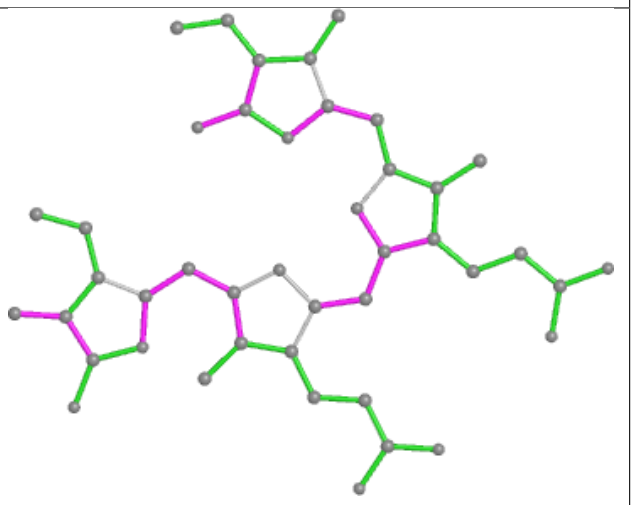

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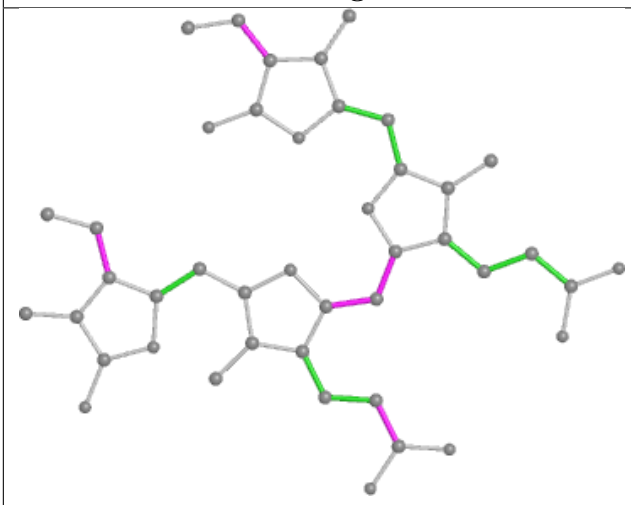

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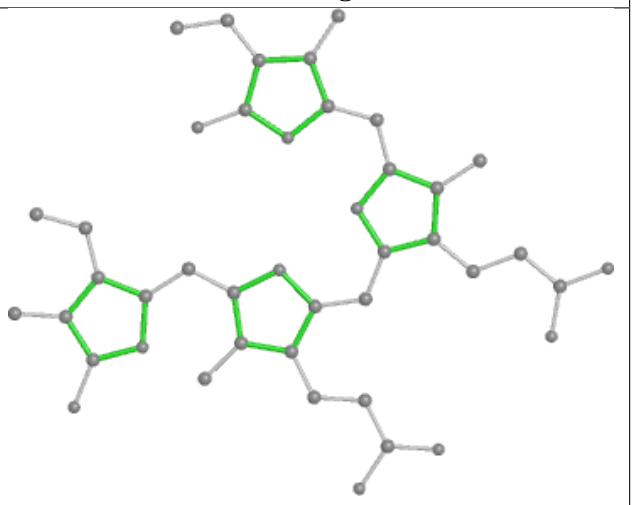

Rings

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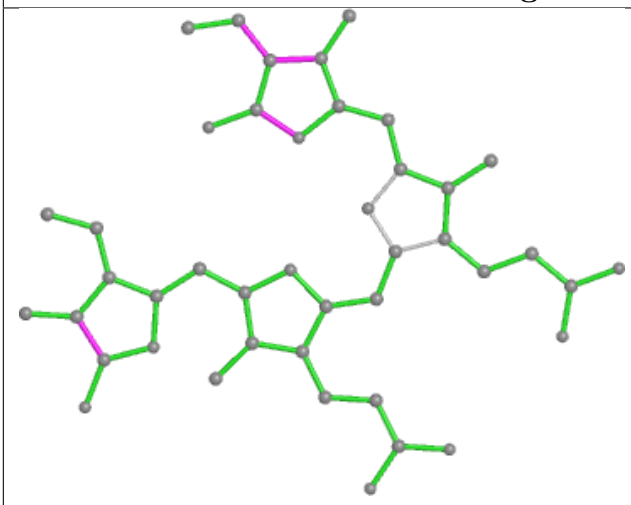

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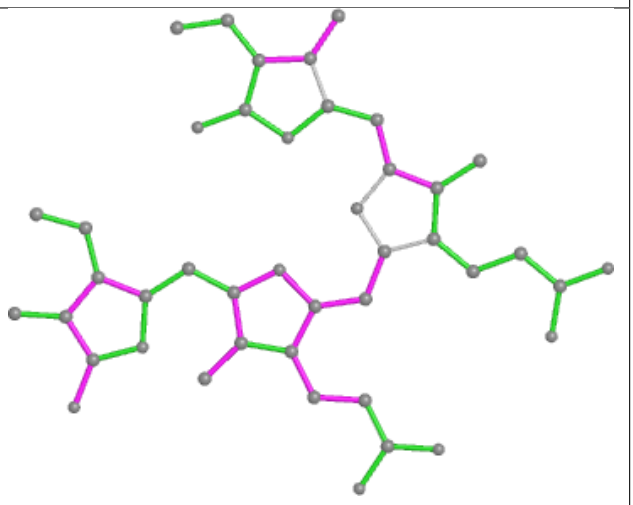

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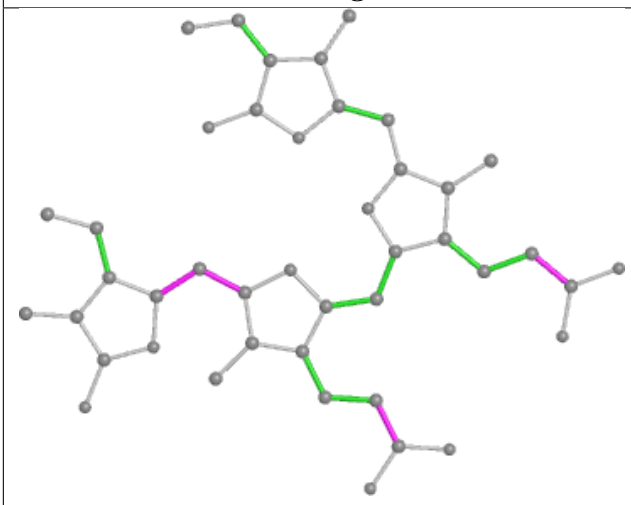

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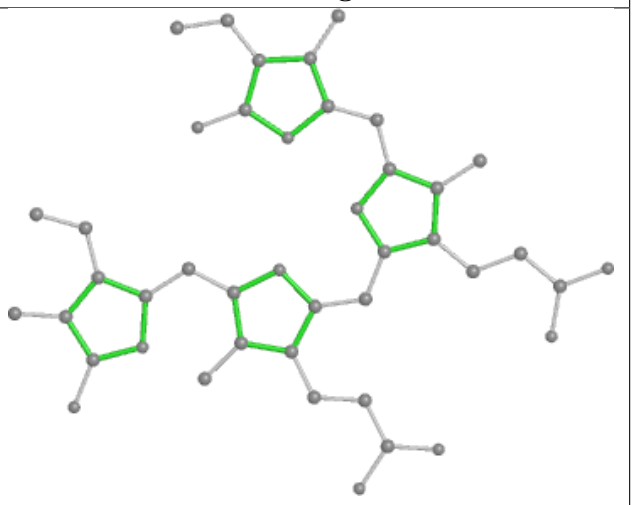
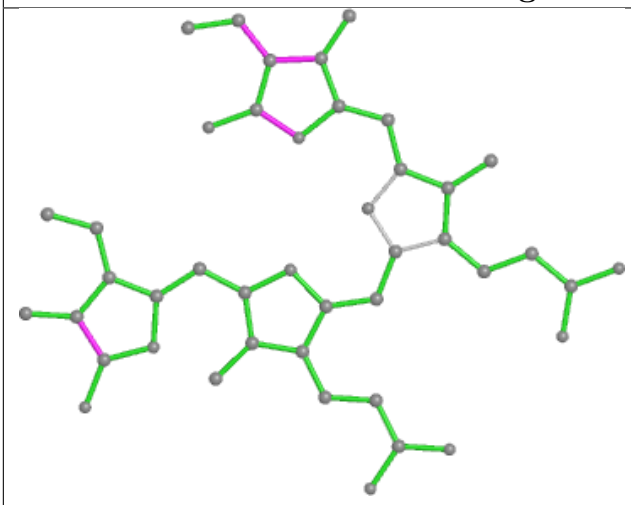


Rings

Ligand PEB b9 403



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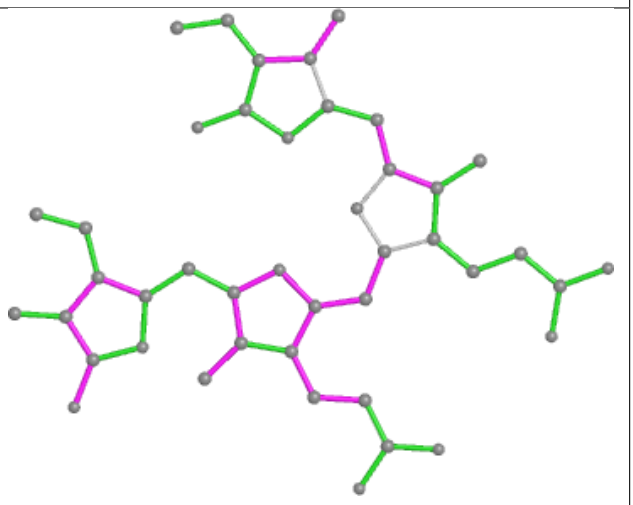

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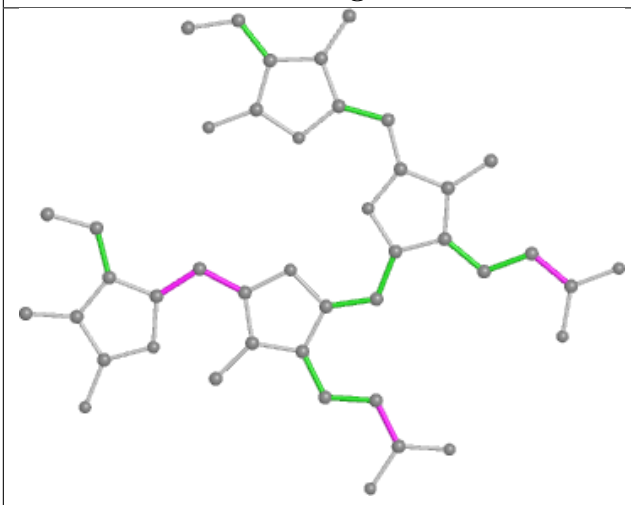

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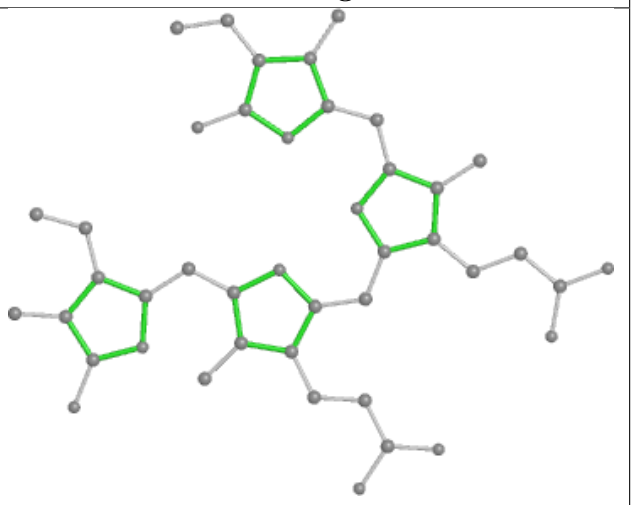
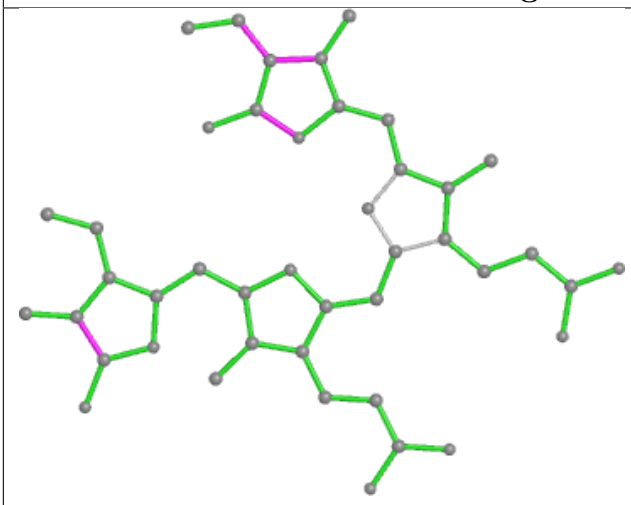


Rings

Ligand PEB z4 202



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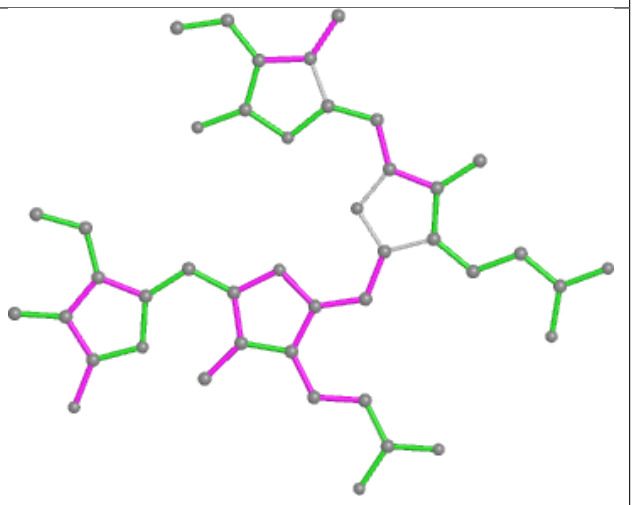

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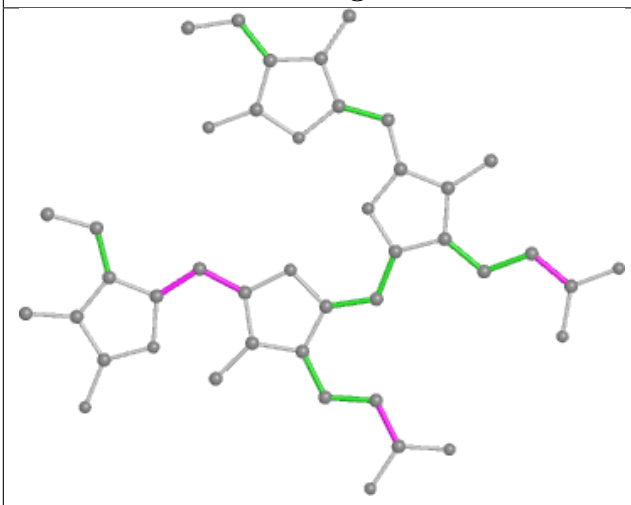

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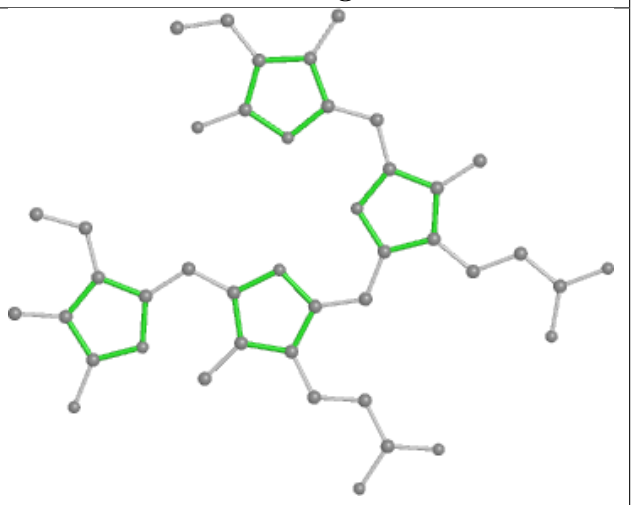
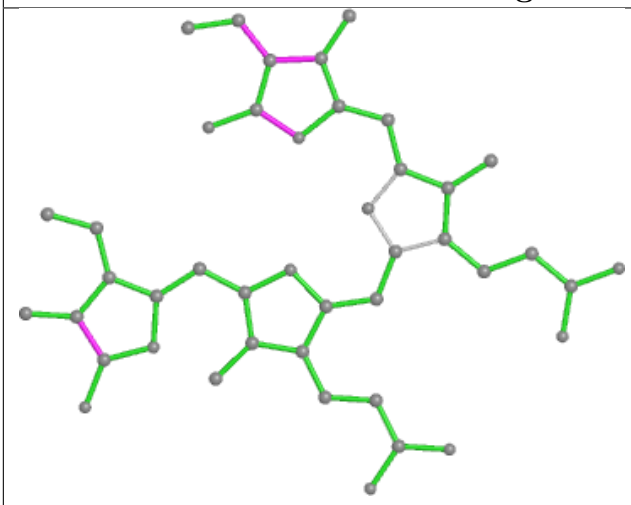


Rings

Ligand PEB w9 201



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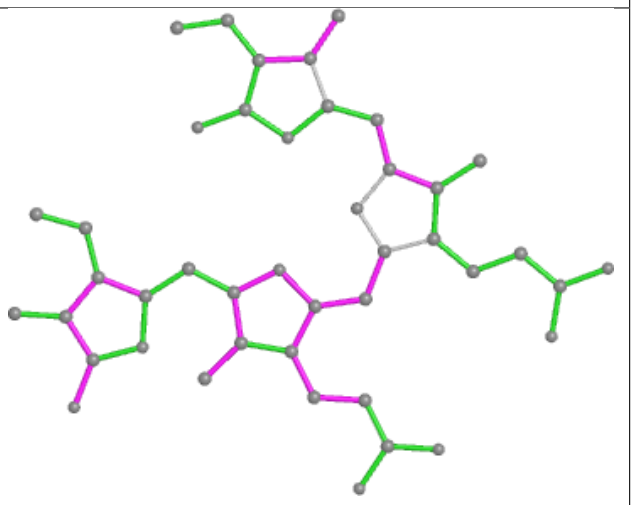

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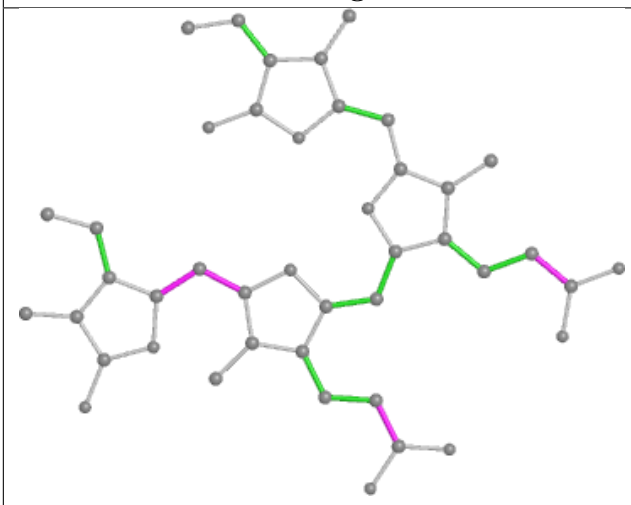

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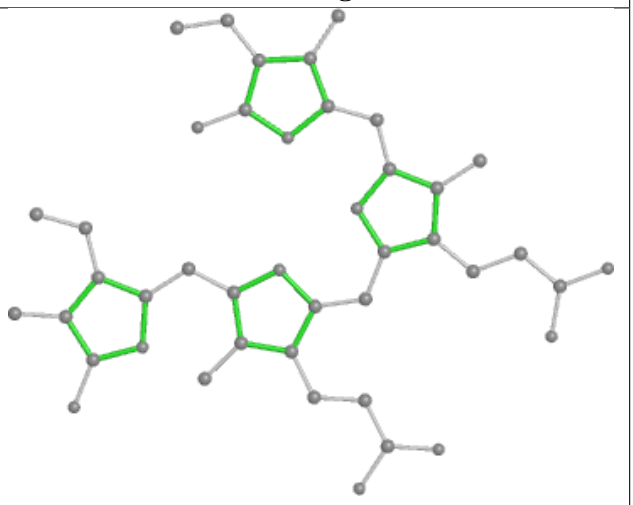
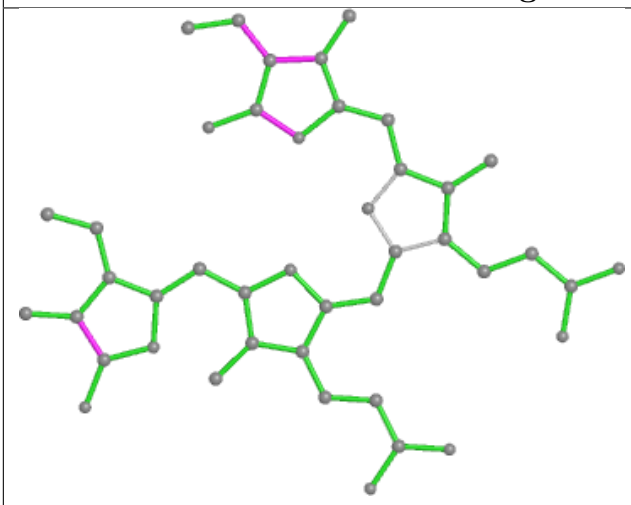


Rings

Ligand PEB v5 201



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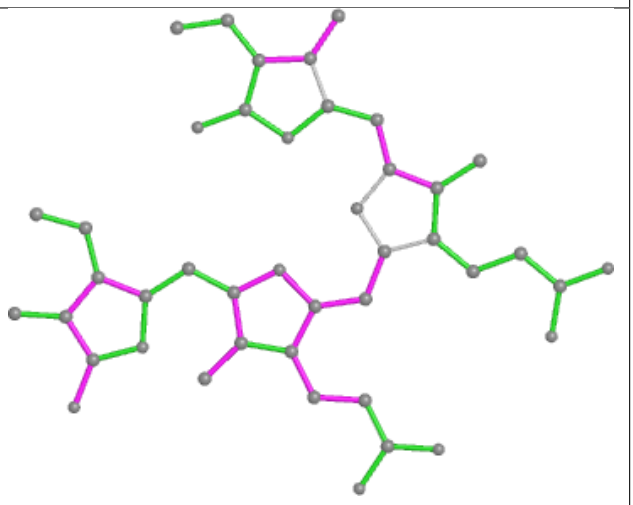

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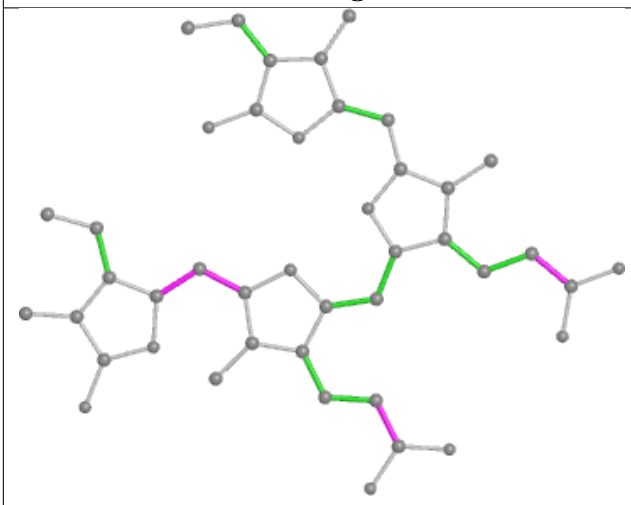

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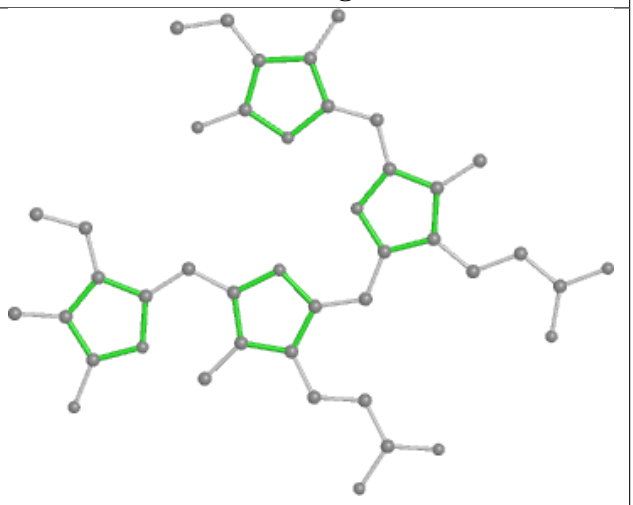
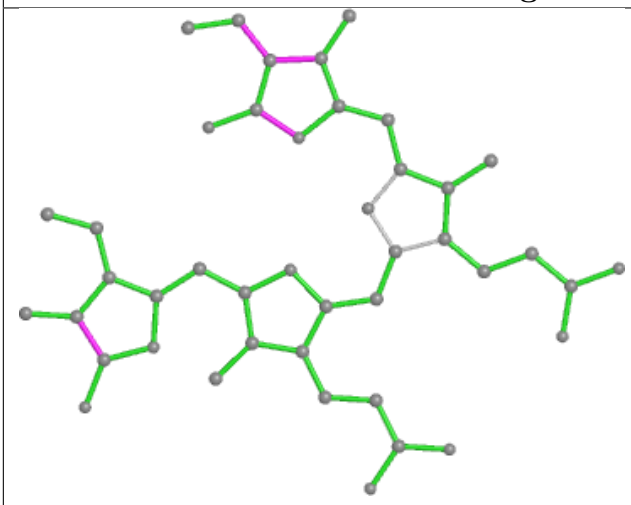


Rings

Ligand PEB a6 201



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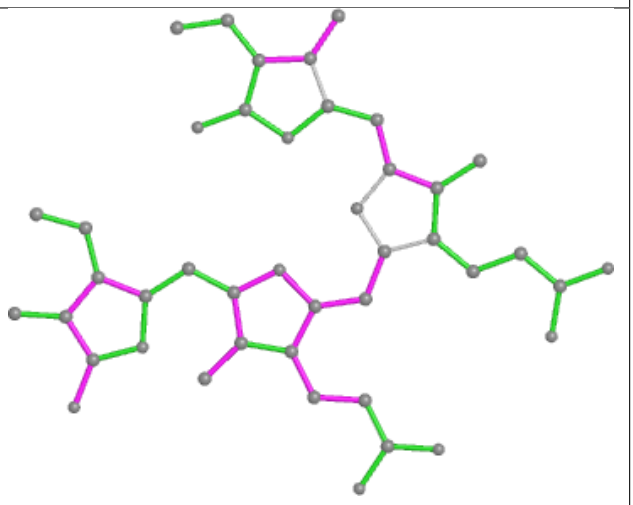

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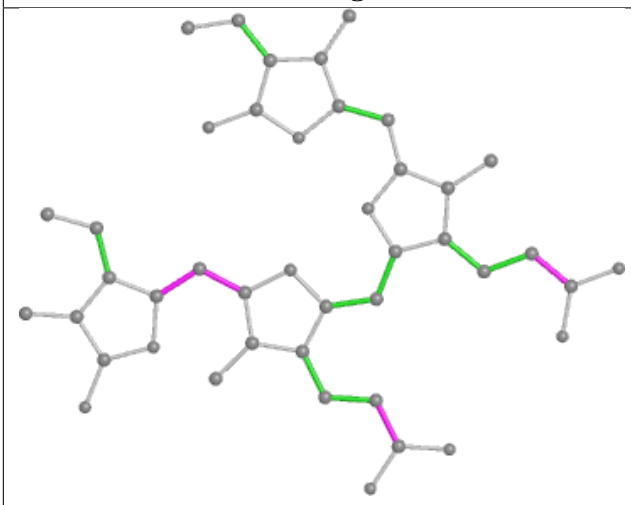

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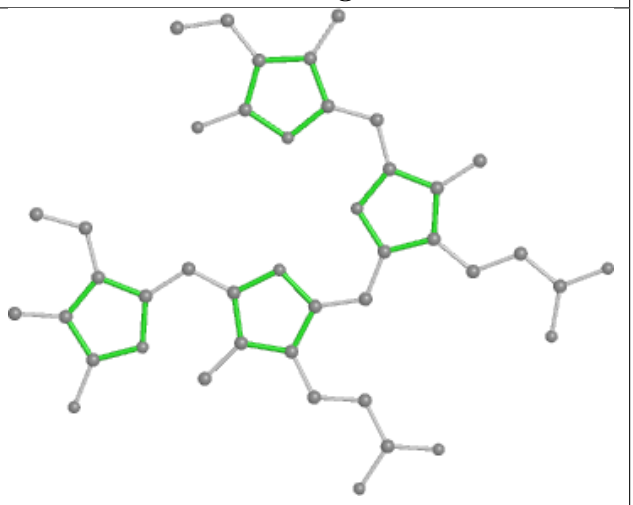
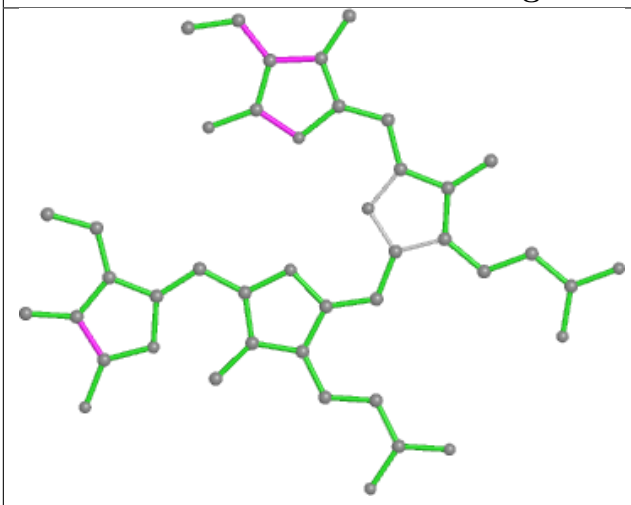


Rings

Ligand PEB lu 201



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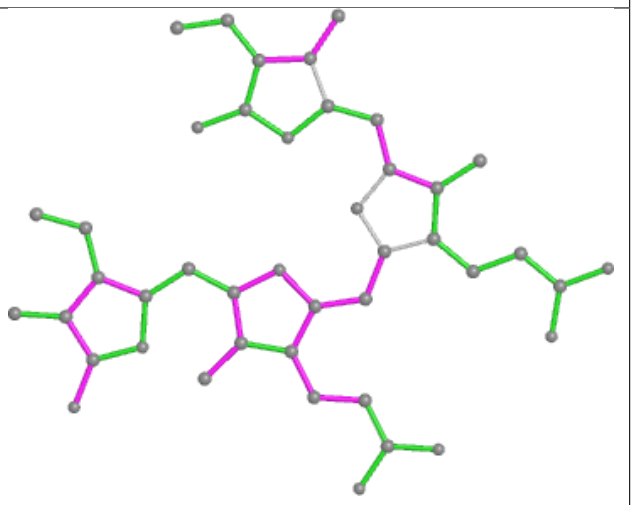

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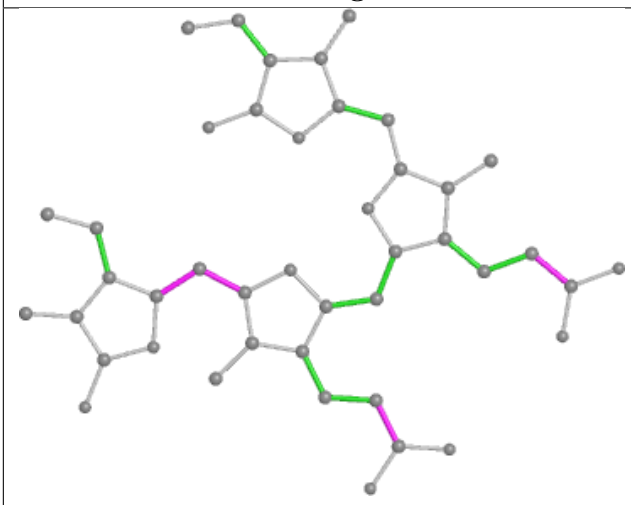

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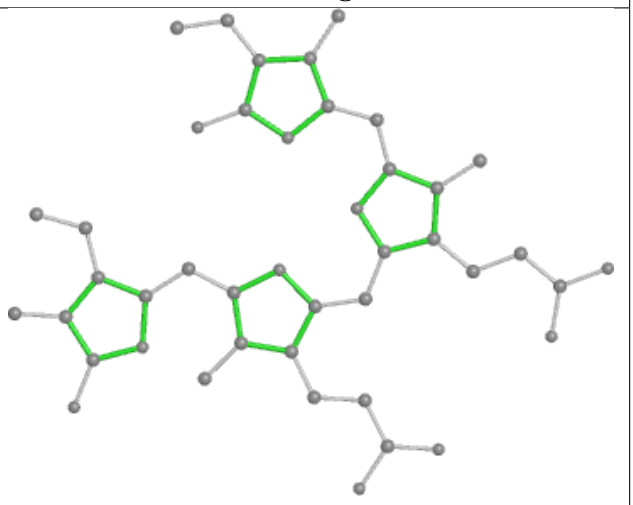
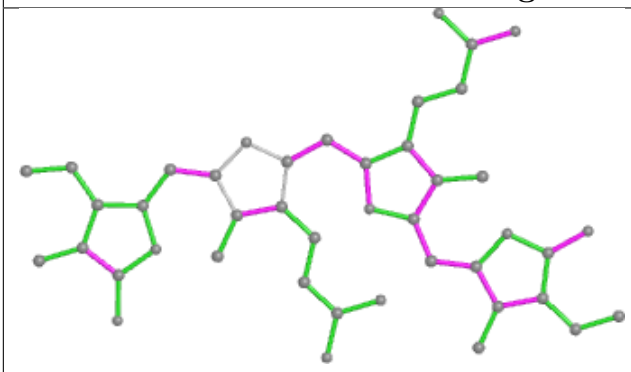


Rings

Ligand CYC e1 201



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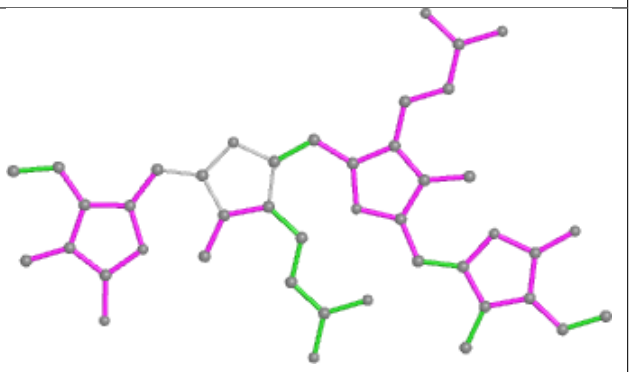
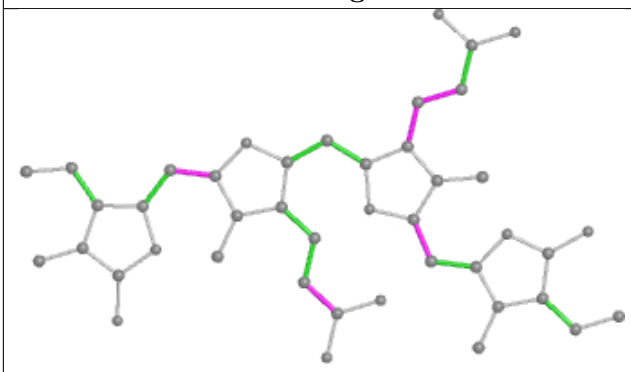
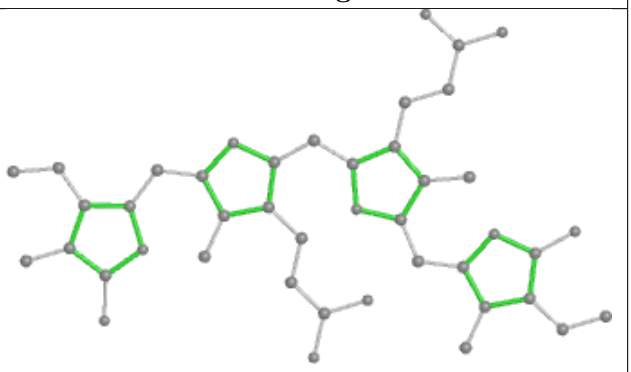


Bond angles

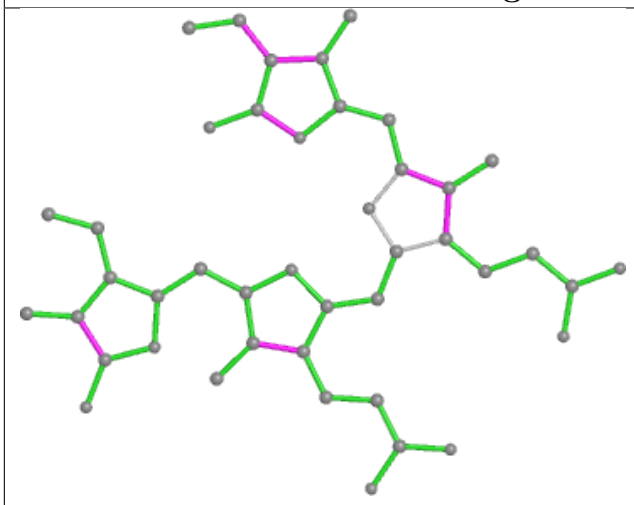


Torsions



Rings

Ligand PEB kW 1002



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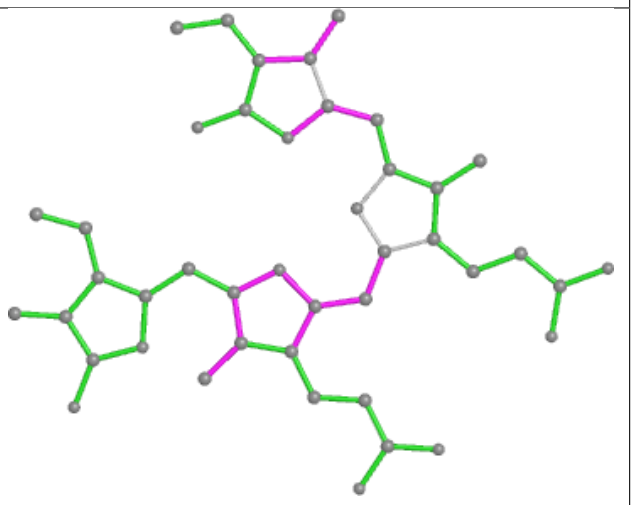
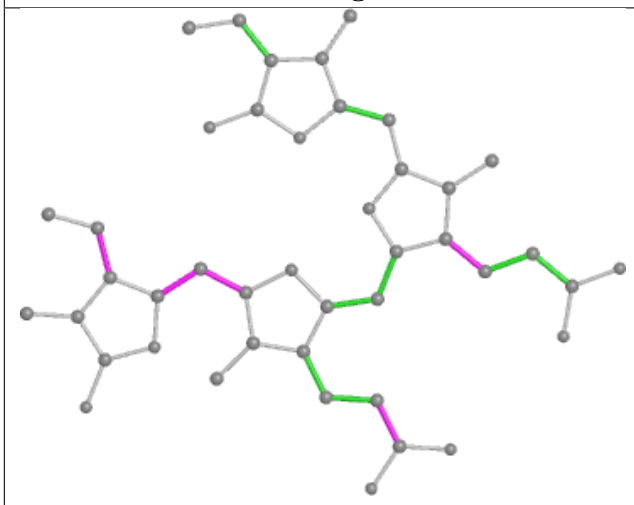


Bond angles



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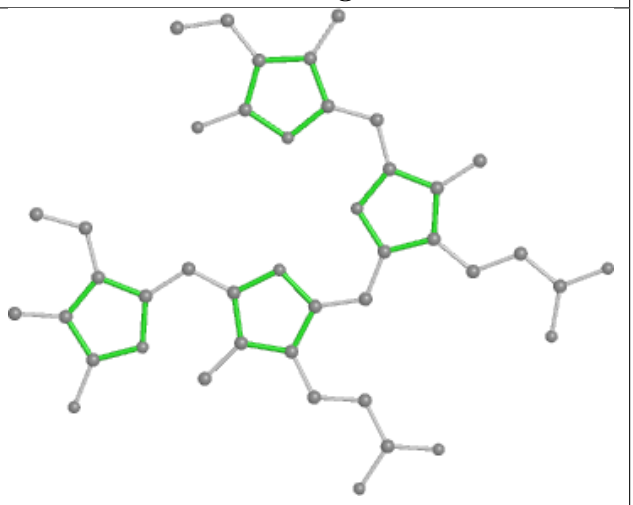
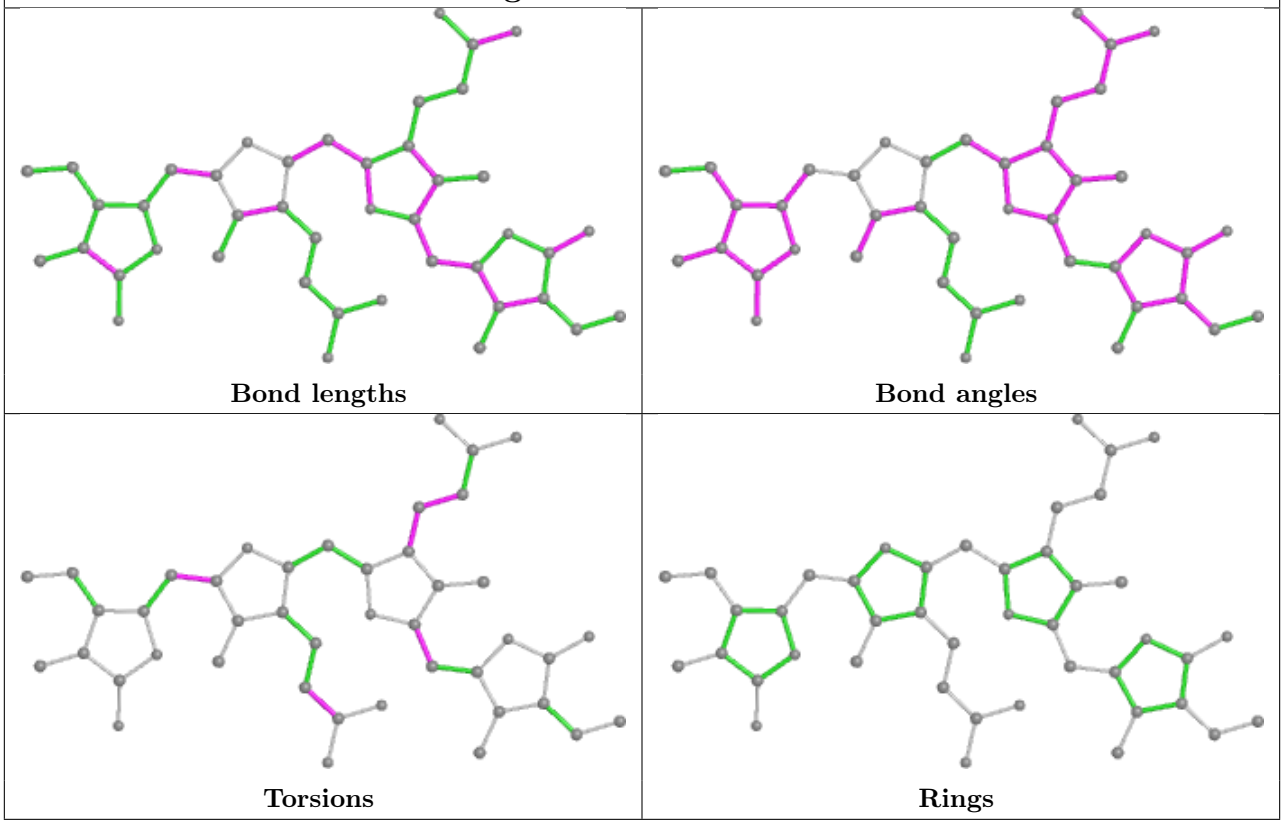
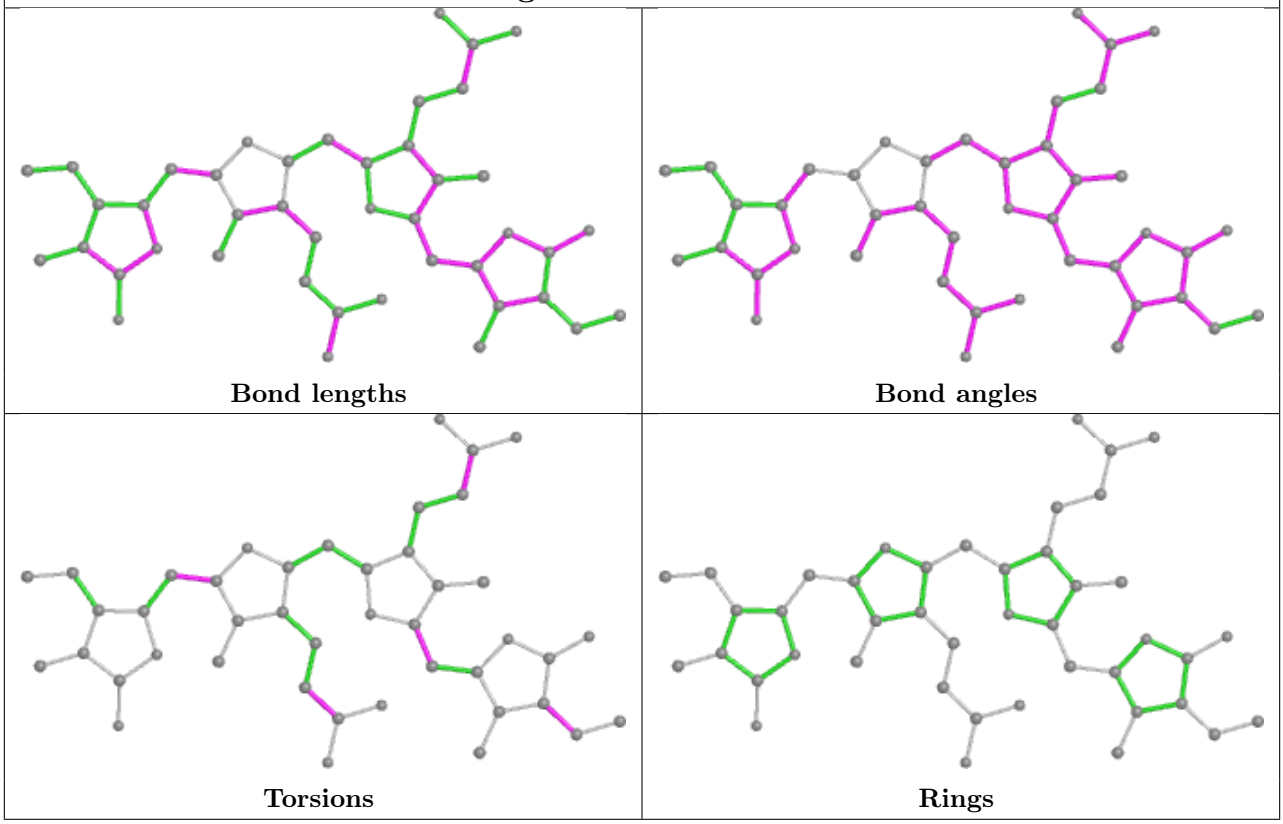


Rings

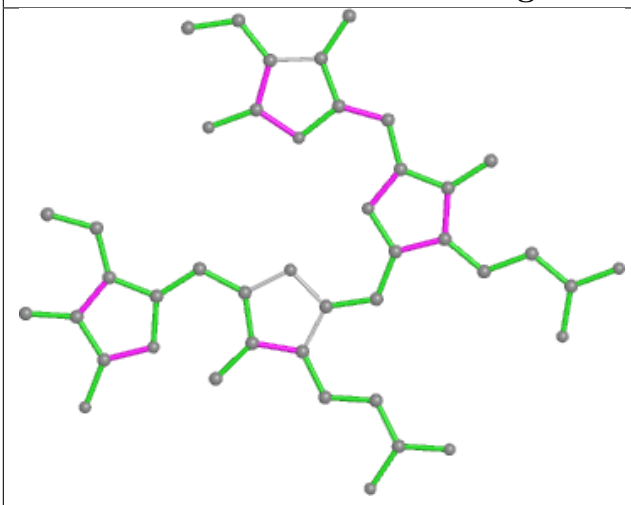
Ligand CYC G1 1001



Ligand CYC J1 201



Ligand PUB y7 203



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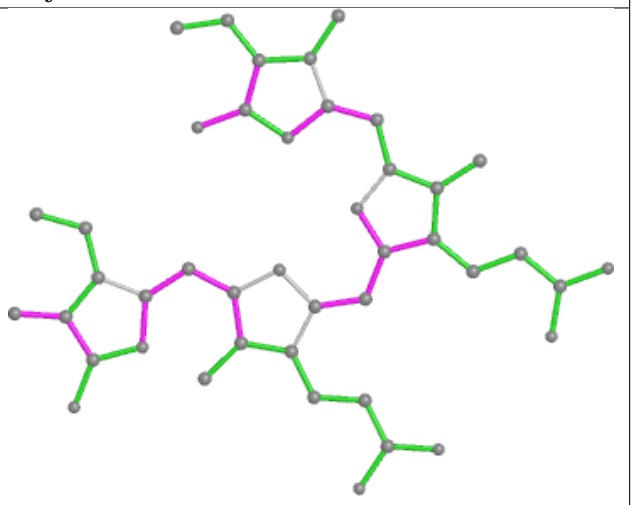
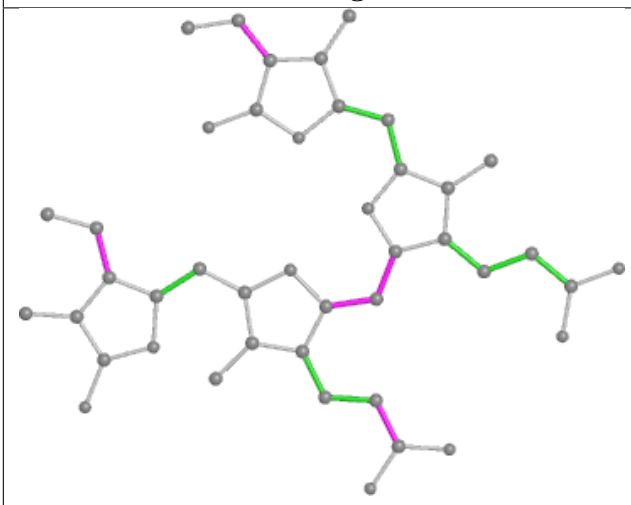


Bond angles



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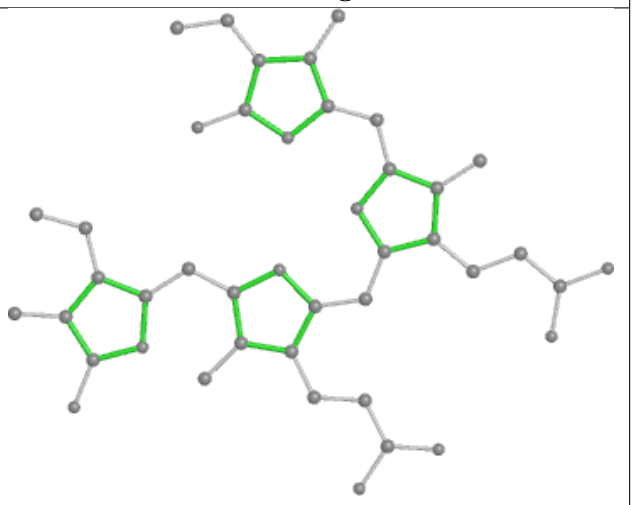
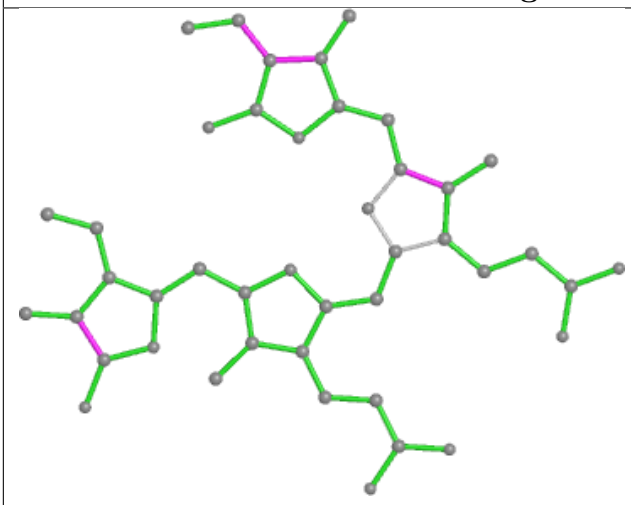


Rings

Ligand PEB cx 202



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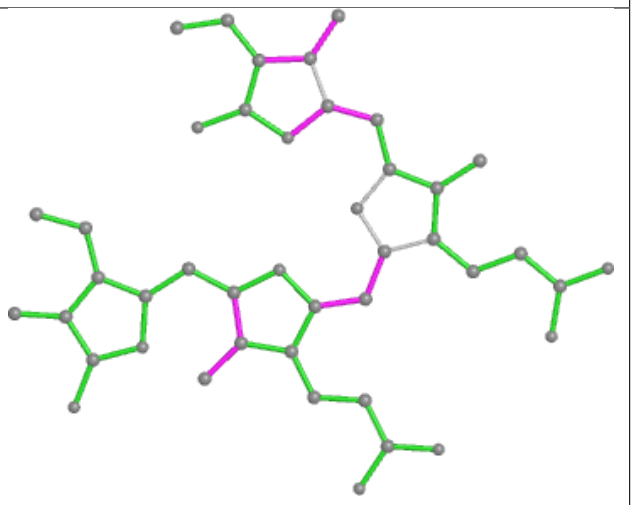

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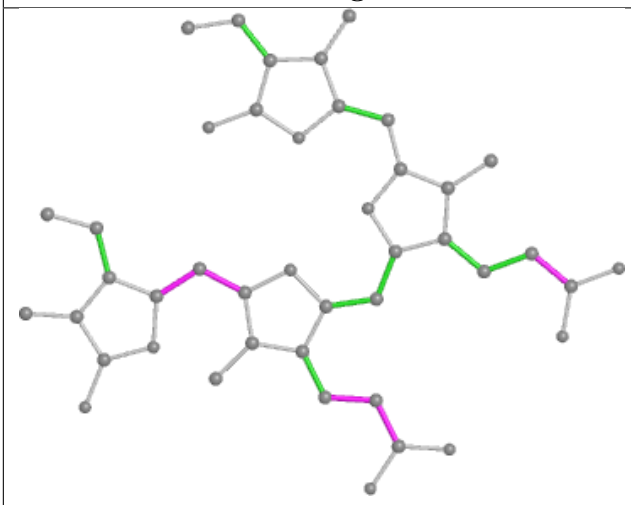

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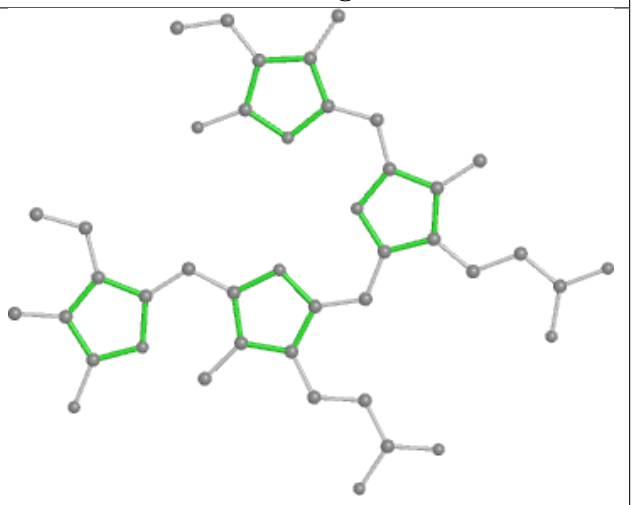
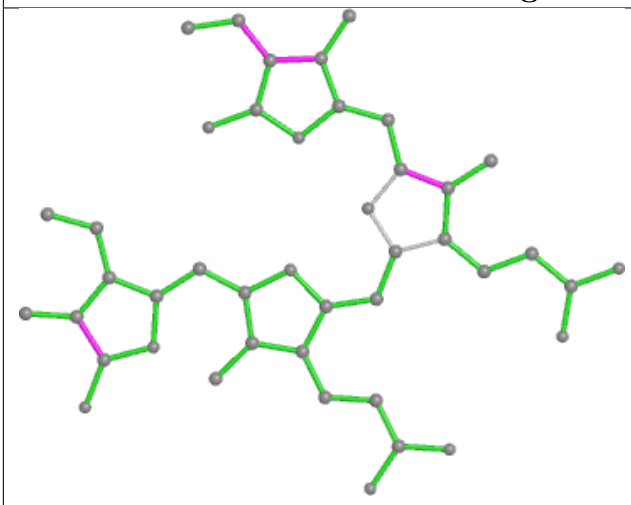


Rings

Ligand PEB gc 202



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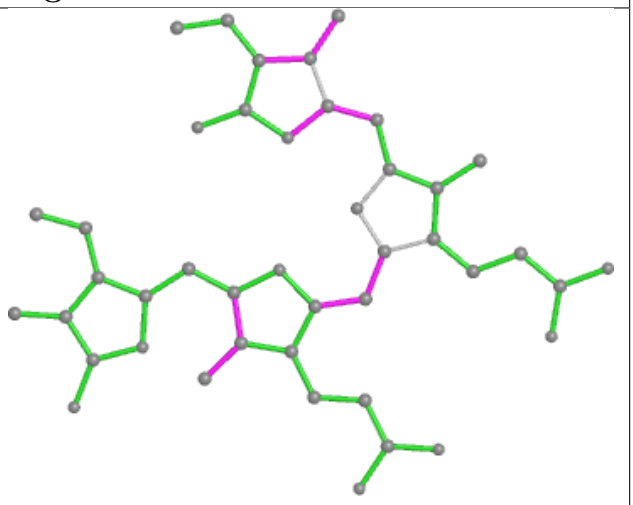

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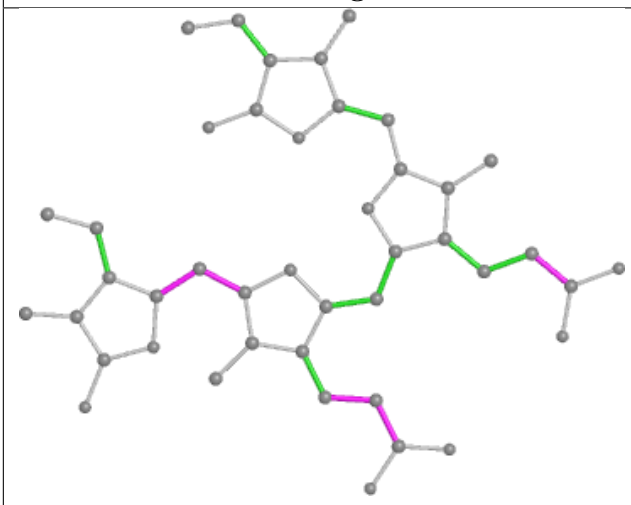

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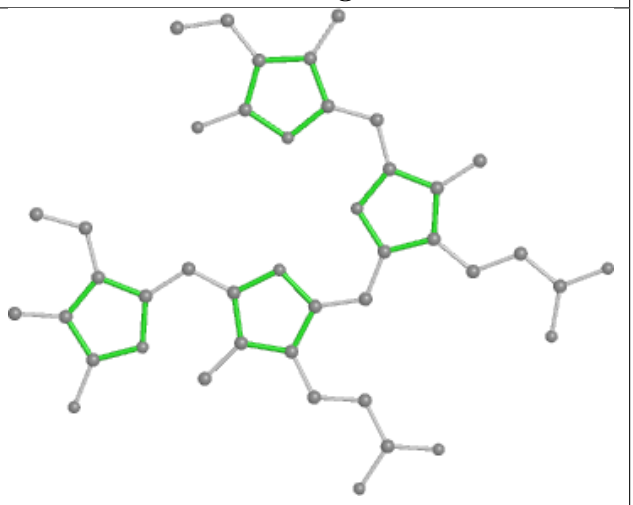
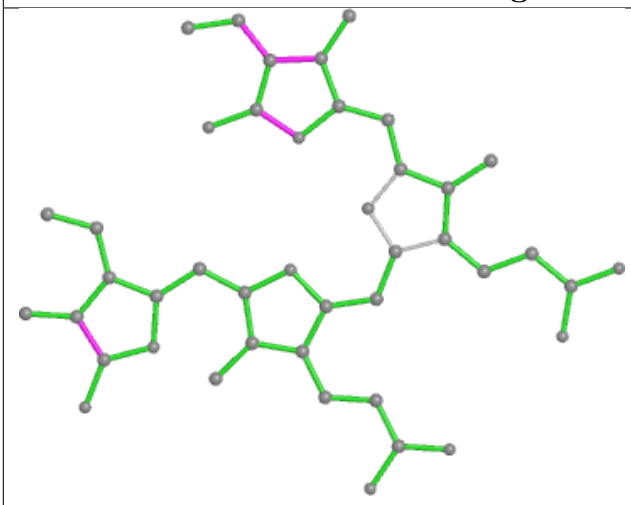


Rings

Ligand PEB y9 1001



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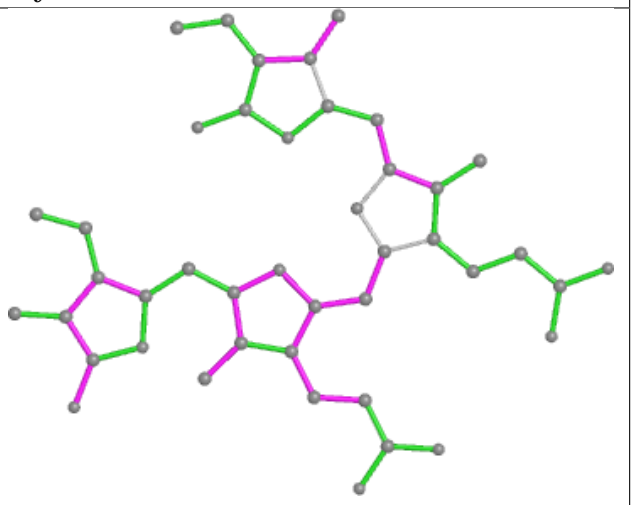

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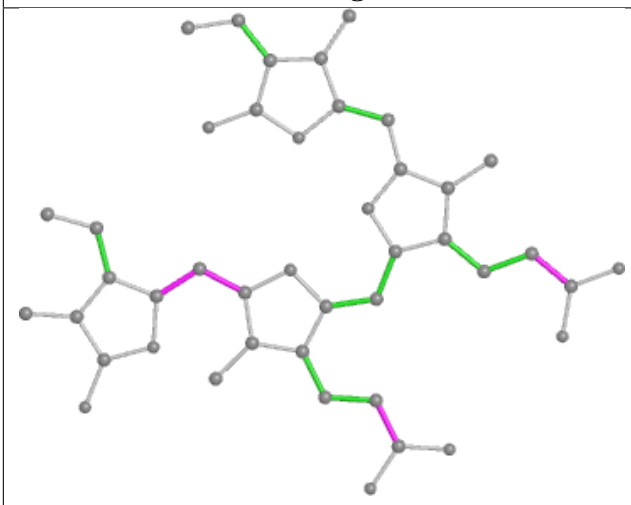

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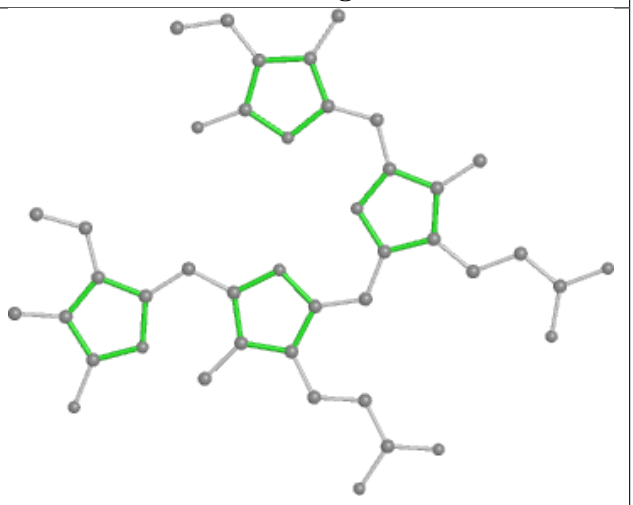
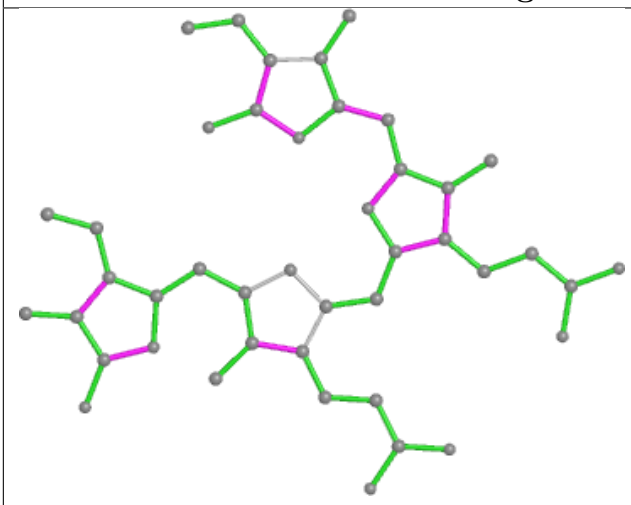


Rings

Ligand PUB p6 203



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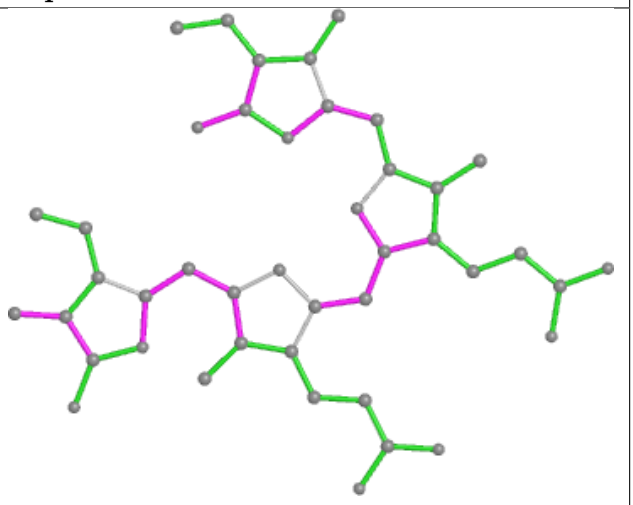

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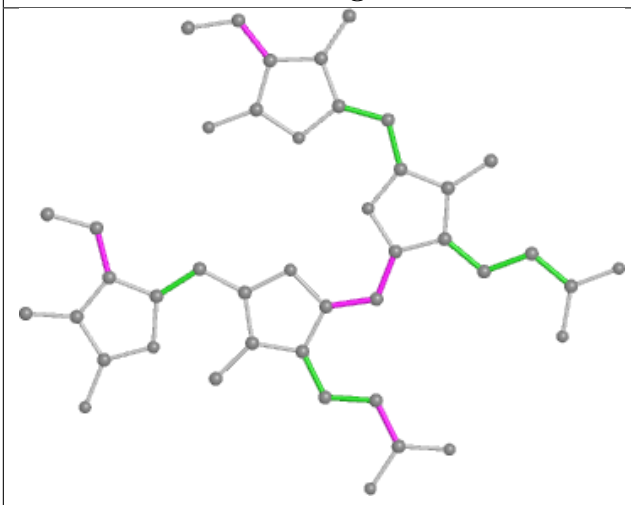

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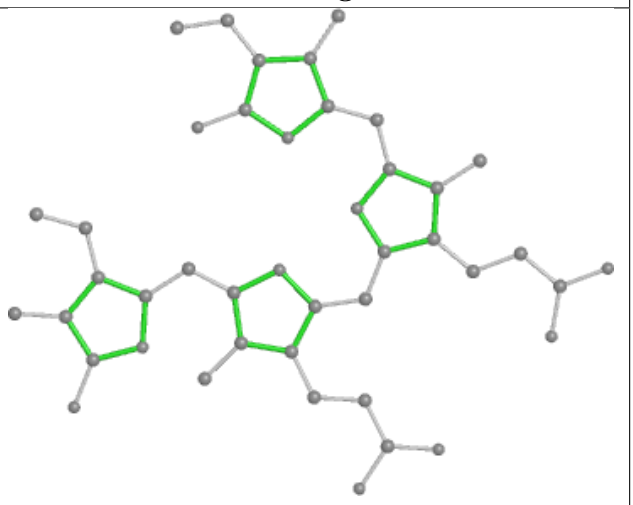
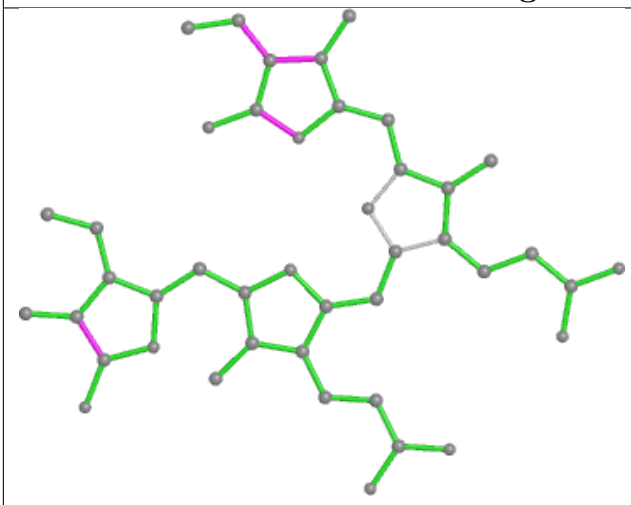


Rings

Ligand PEB v6 202



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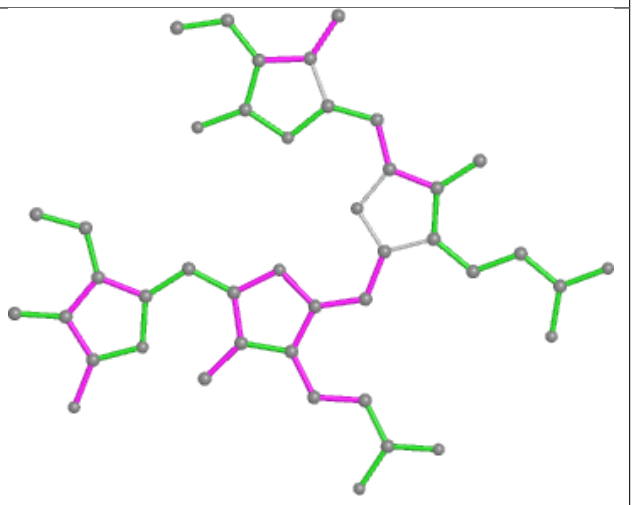

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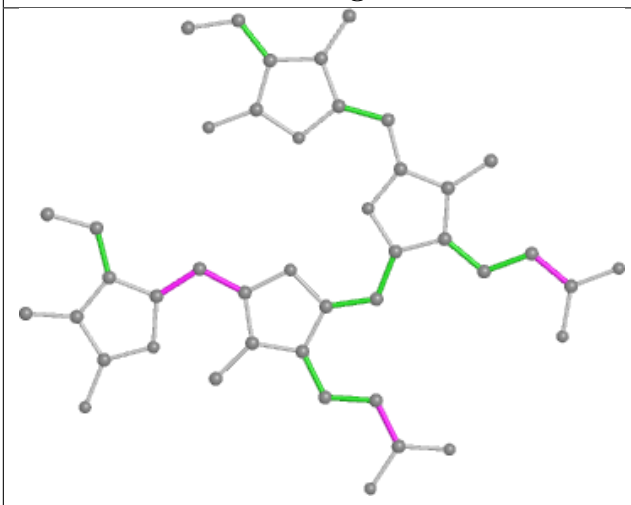

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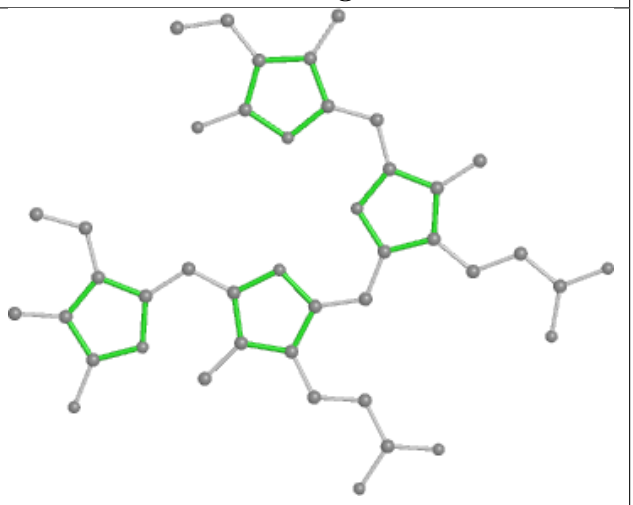
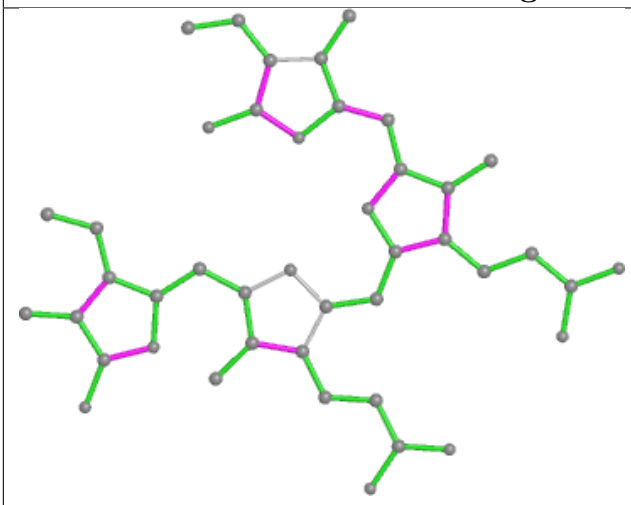


Rings

Ligand PUB I8 203



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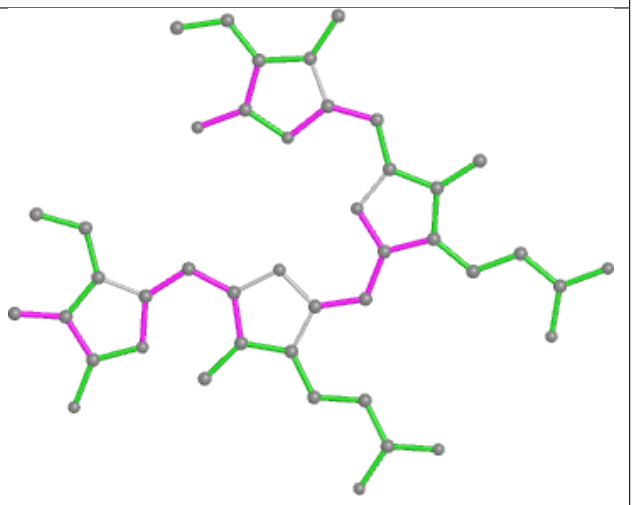

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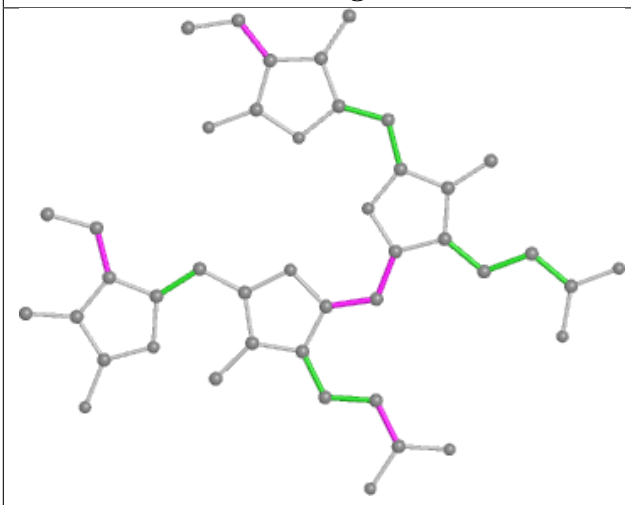

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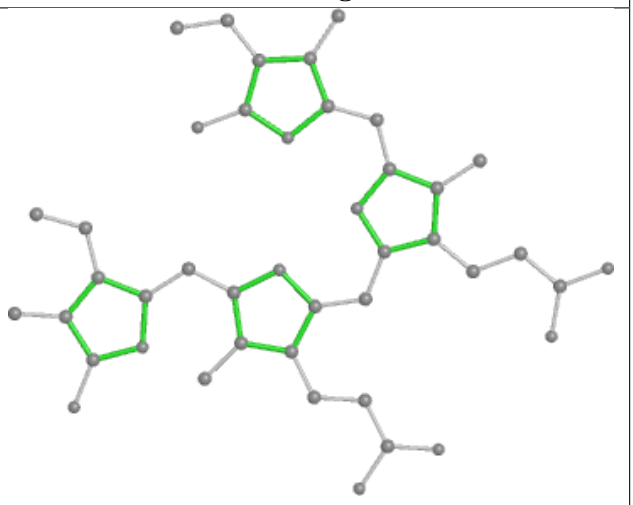

Rings

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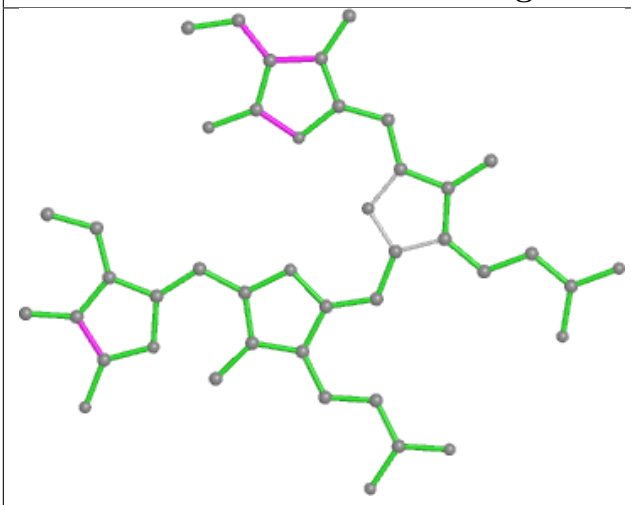

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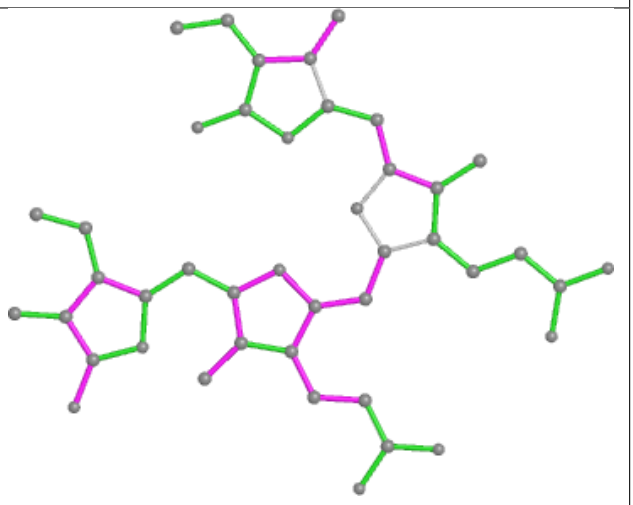

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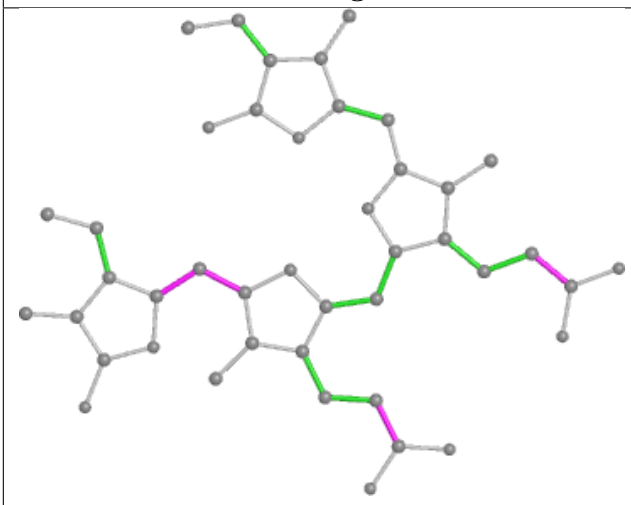

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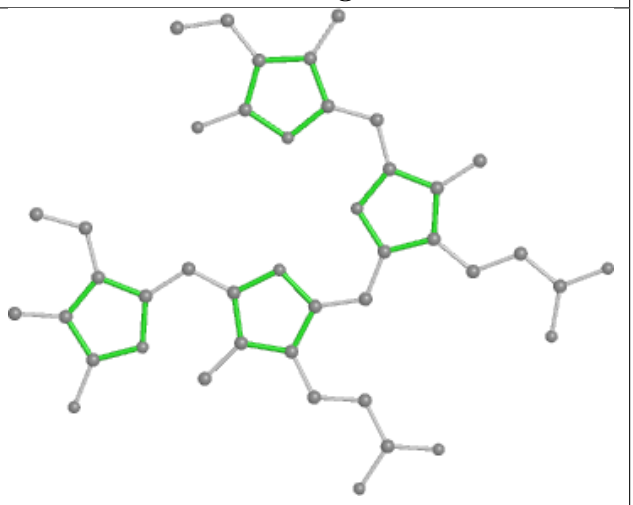

Rings

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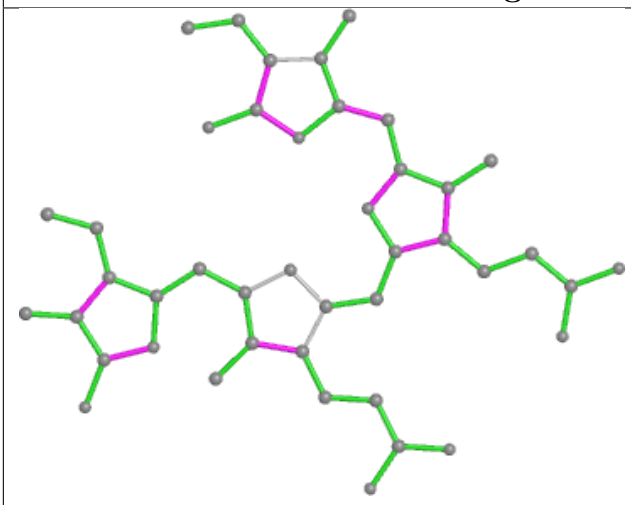

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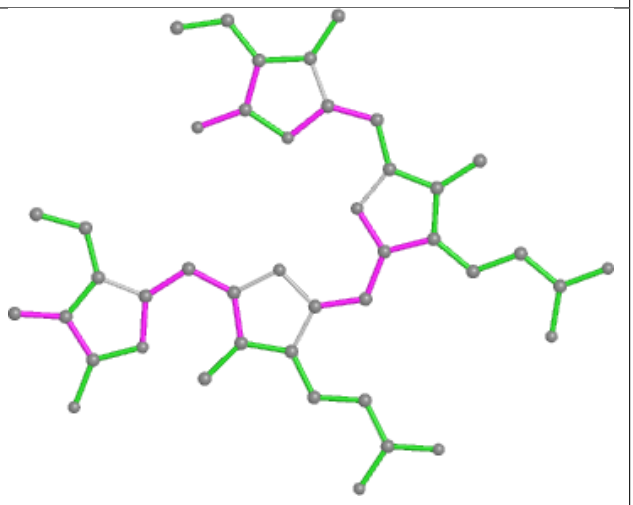

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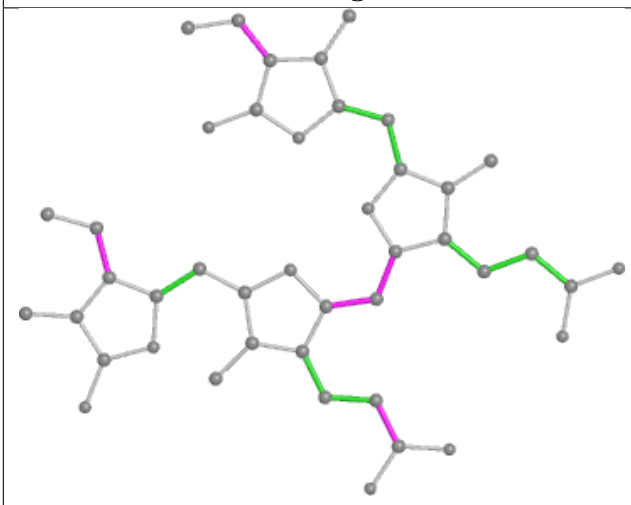

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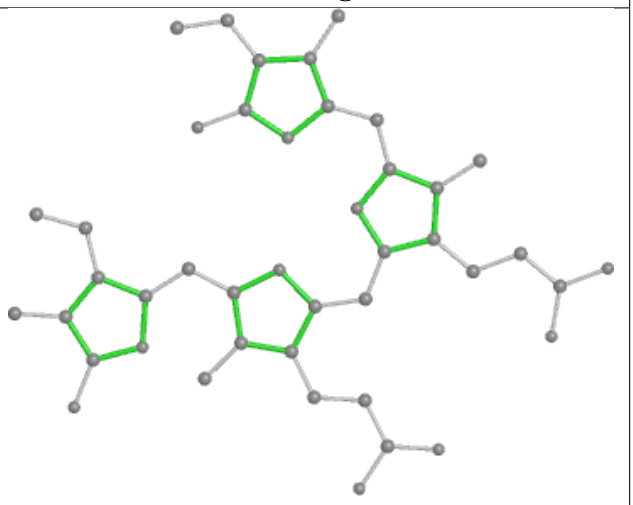

Rings

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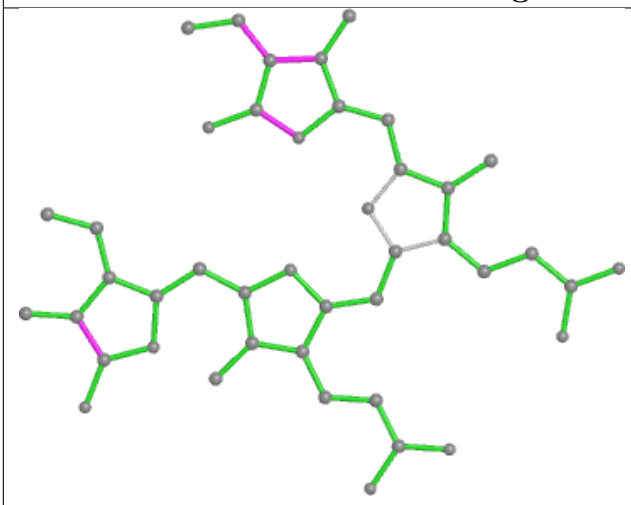

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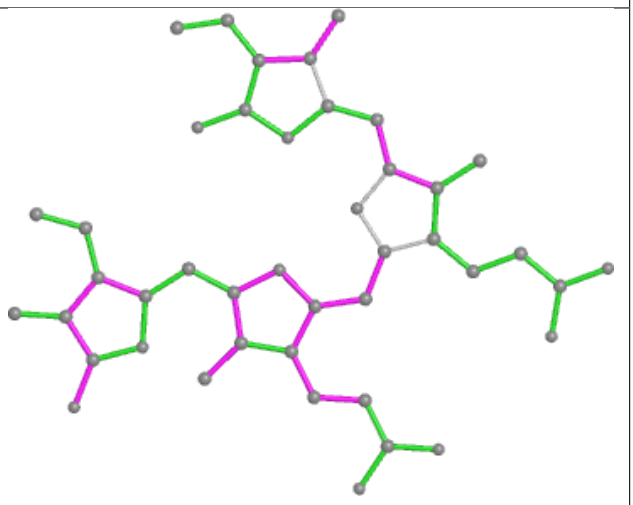

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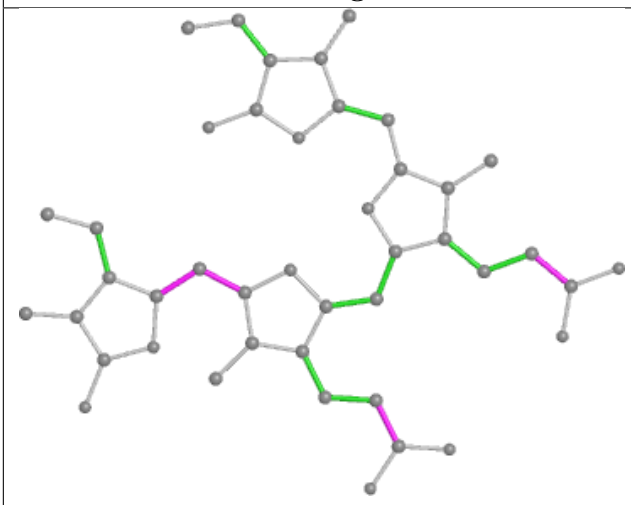

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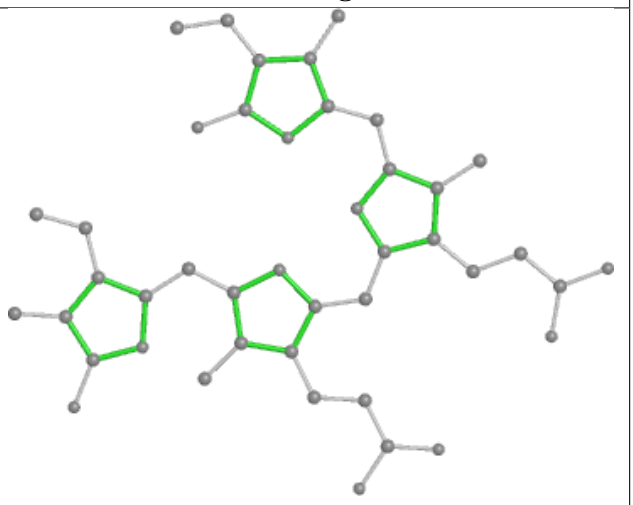
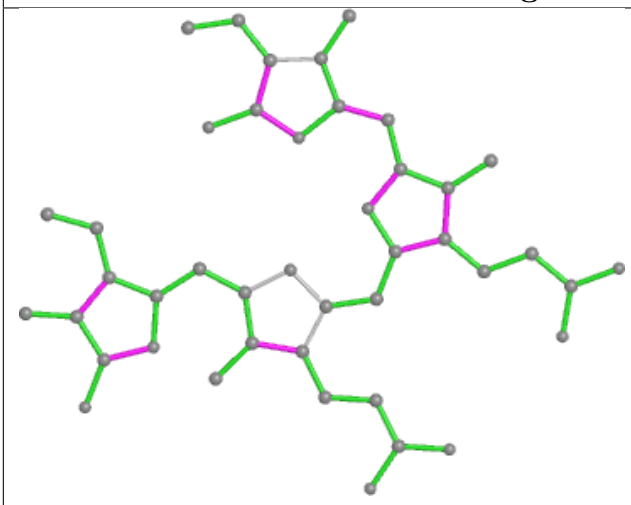


Rings

Ligand PUB fq 203



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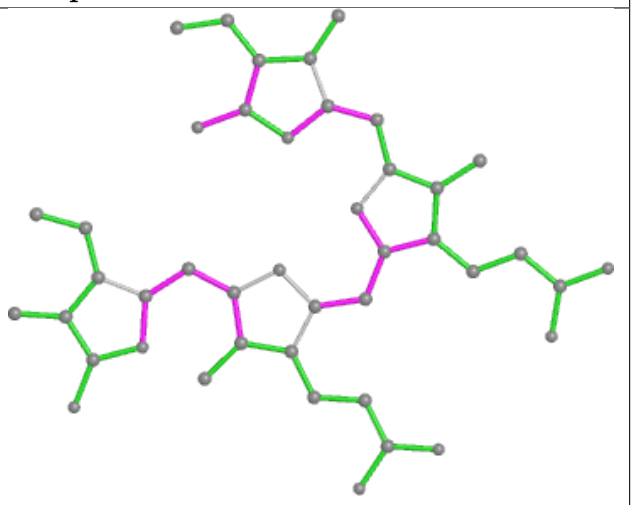
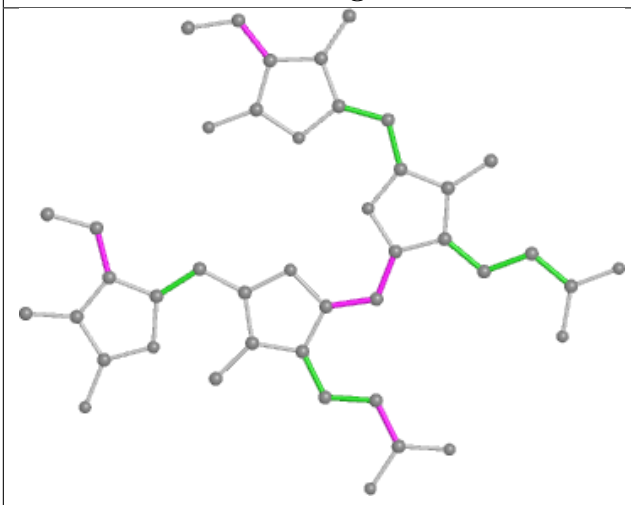


Bond angles



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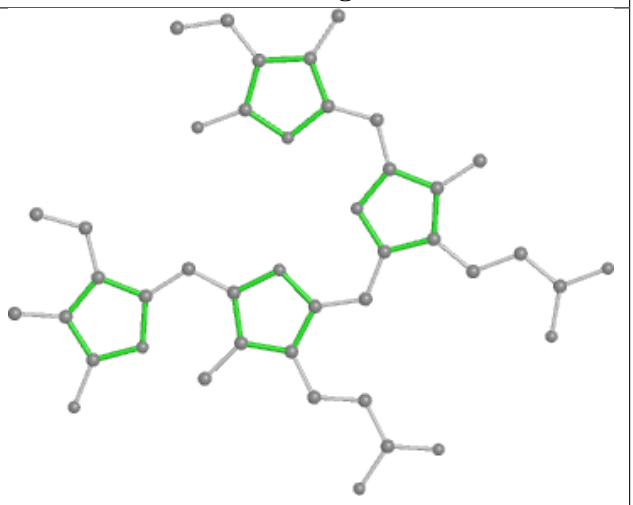
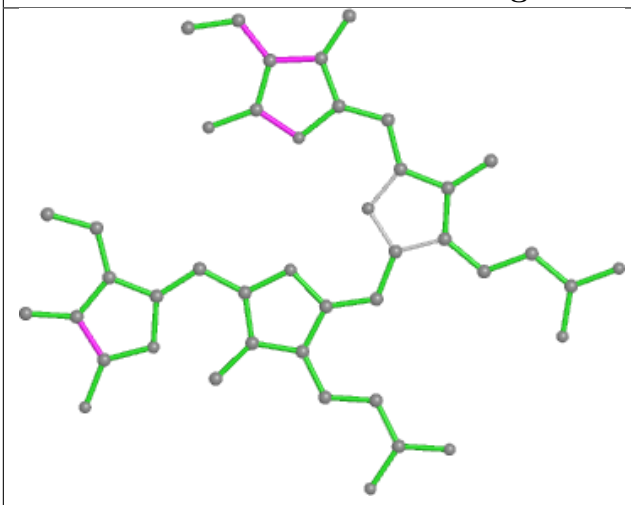


Rings

Ligand PEB k7 1001



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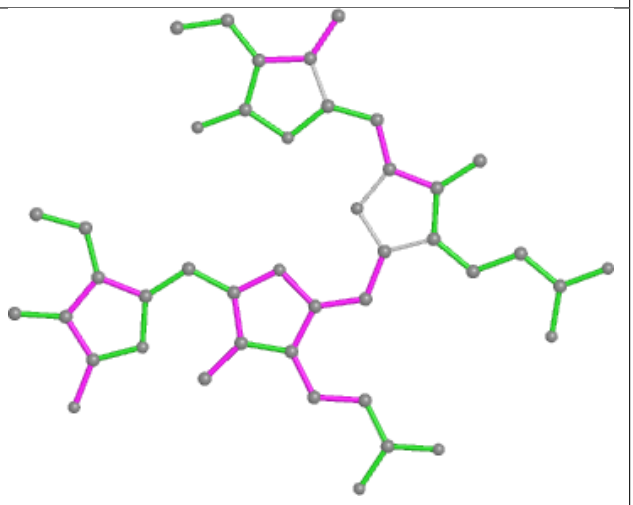
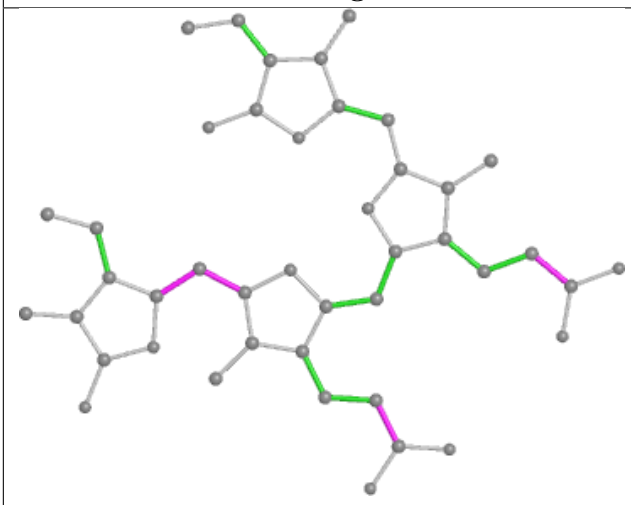
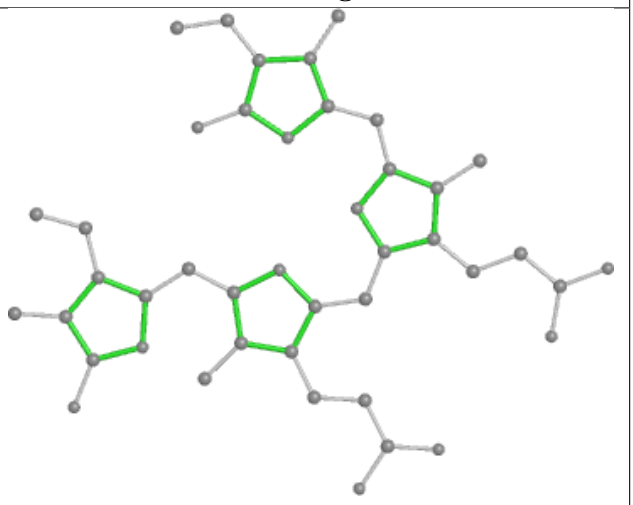


Bond angles

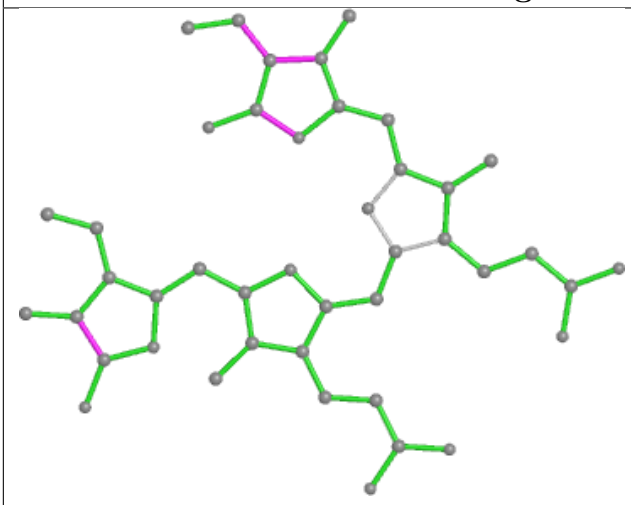


Torsions



Rings

Ligand PEB H8 201



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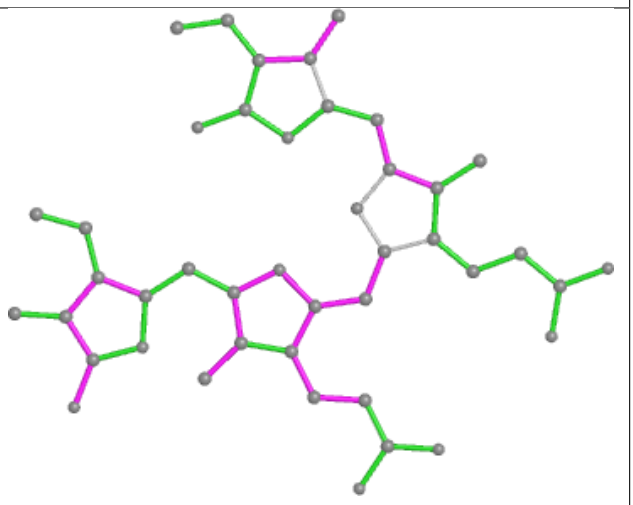

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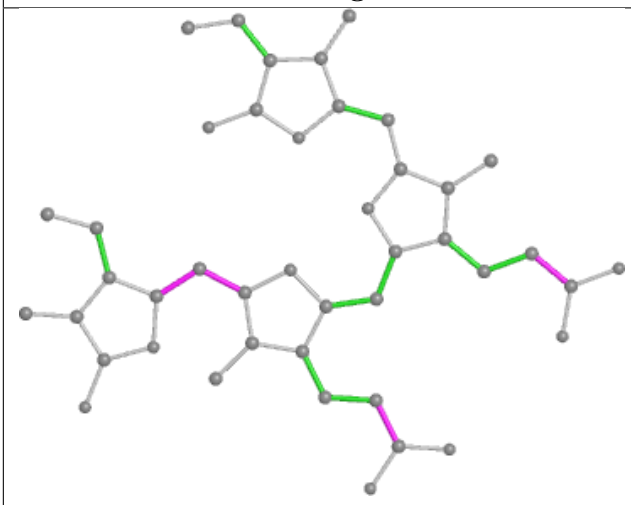

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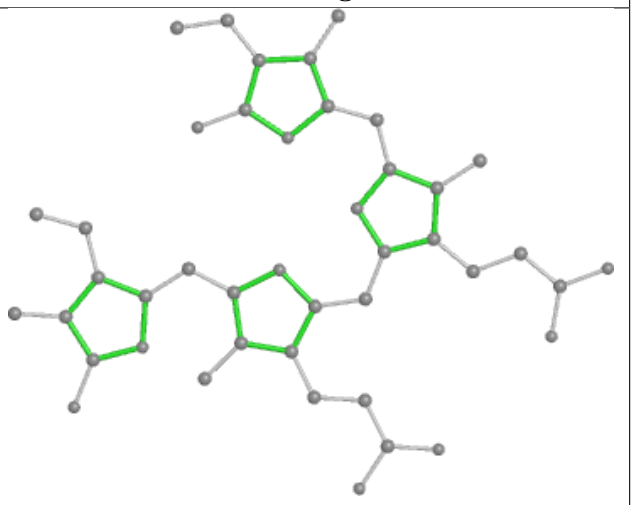
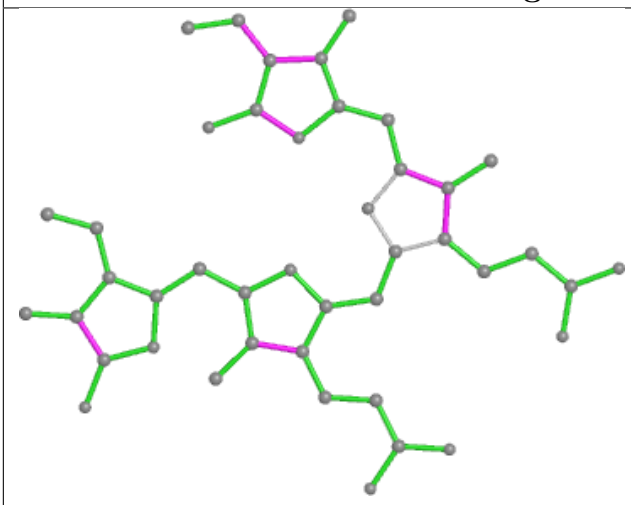


Rings

Ligand PEB l2 202



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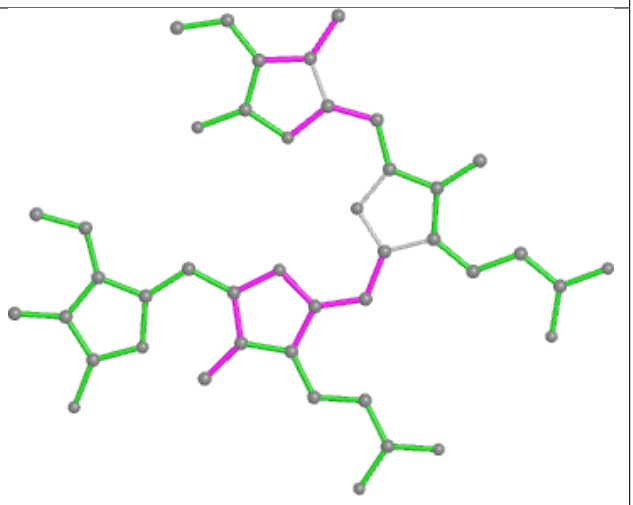

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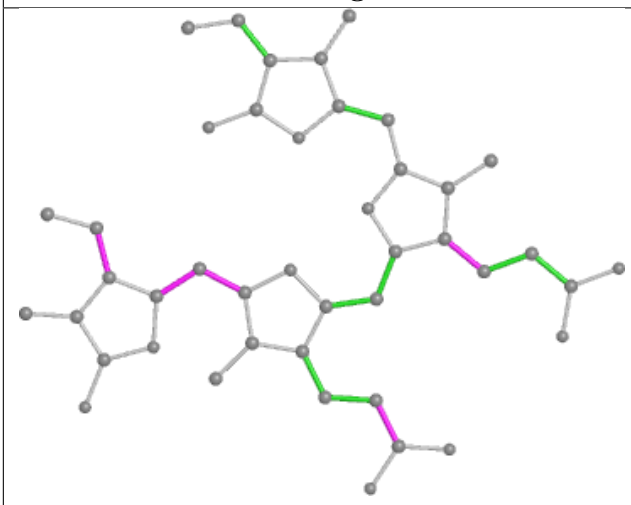

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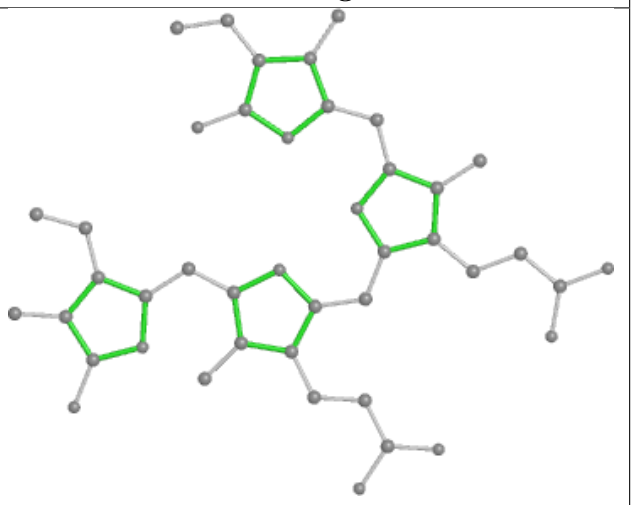

Rings

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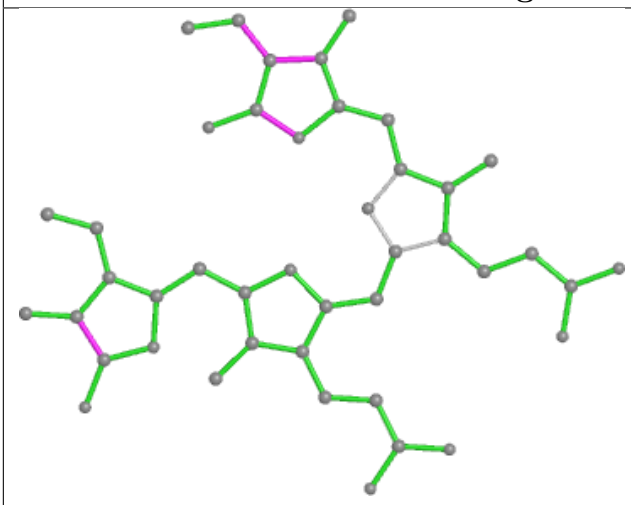

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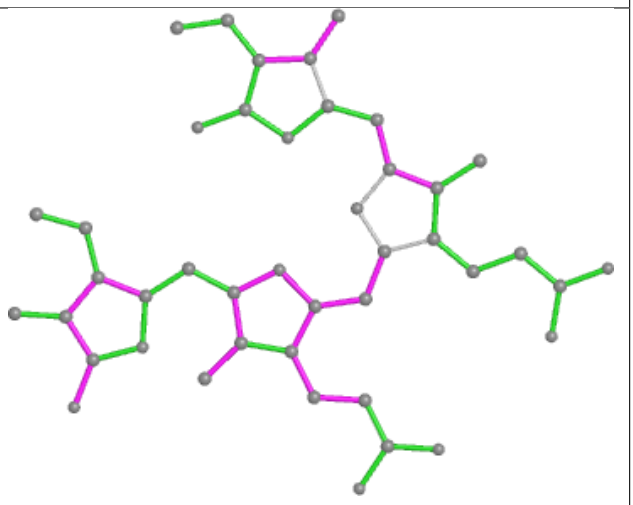

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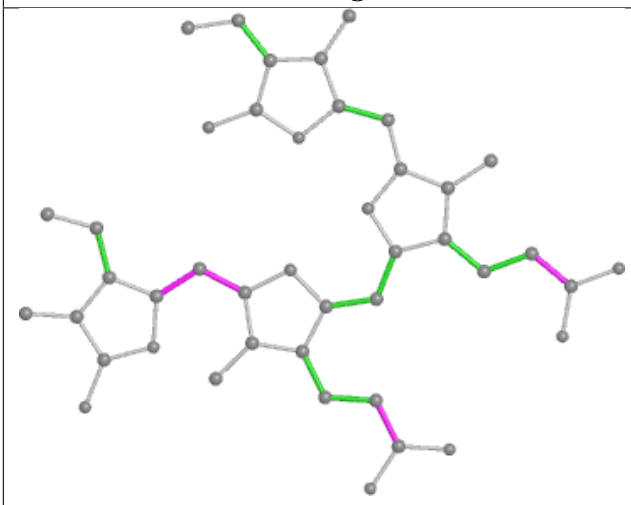

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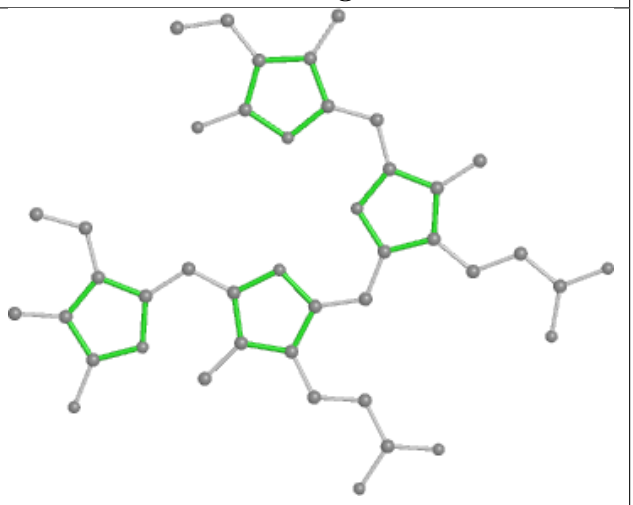
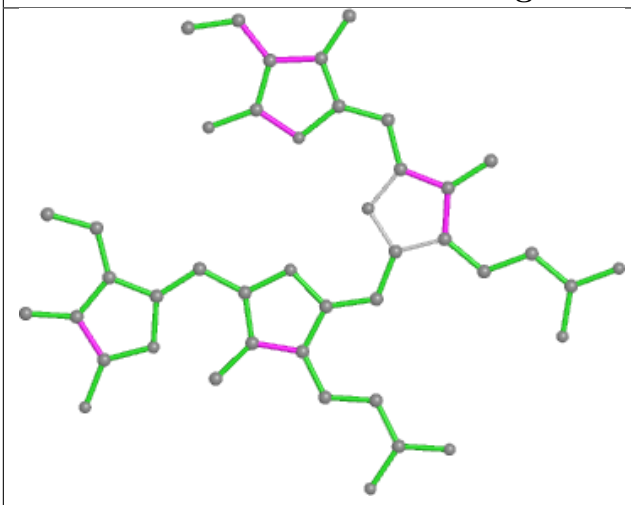


Rings

Ligand PEB X6 202



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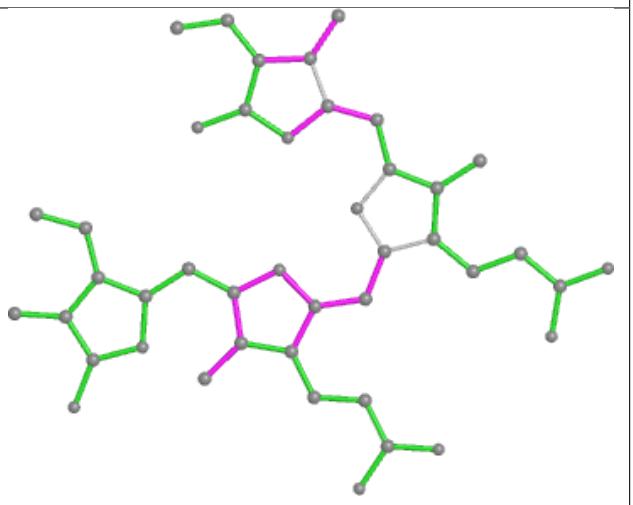

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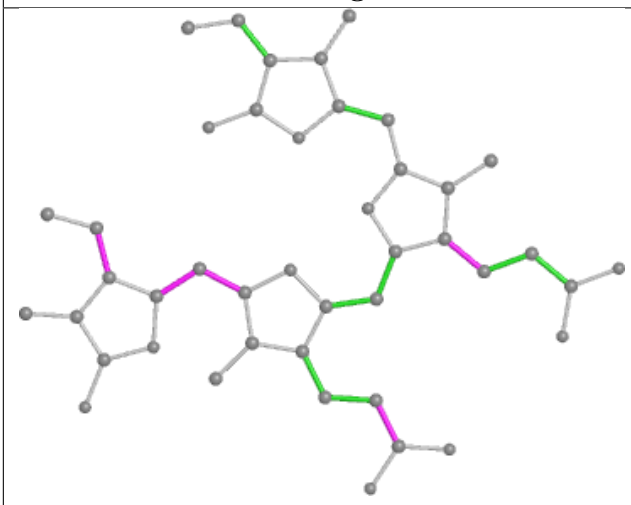

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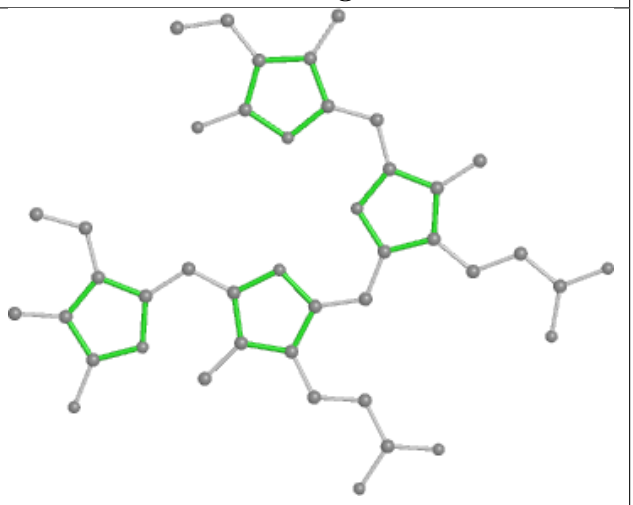

Rings

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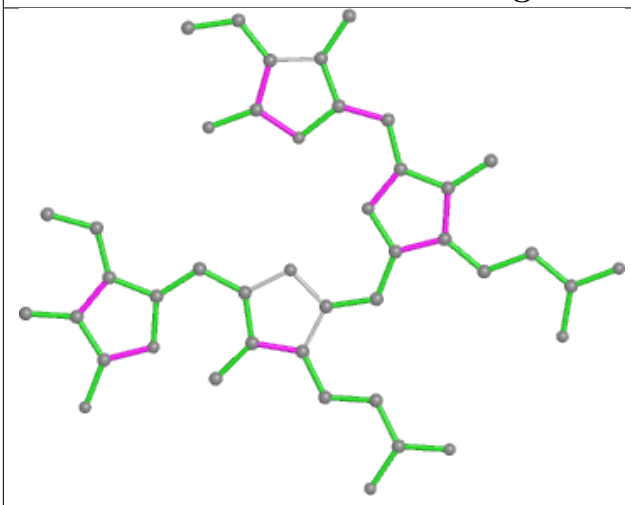

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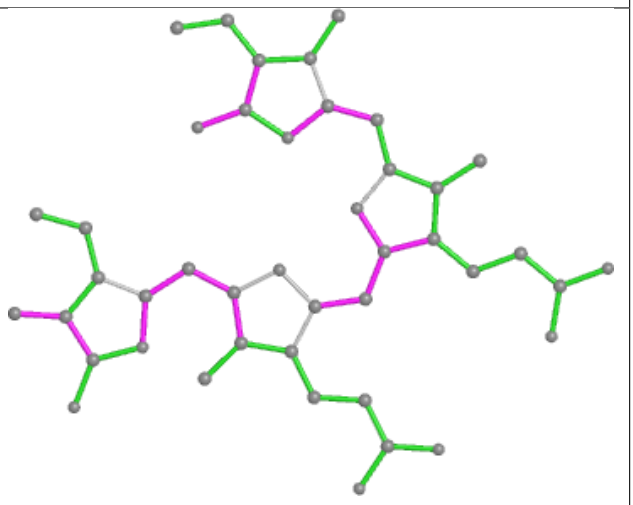

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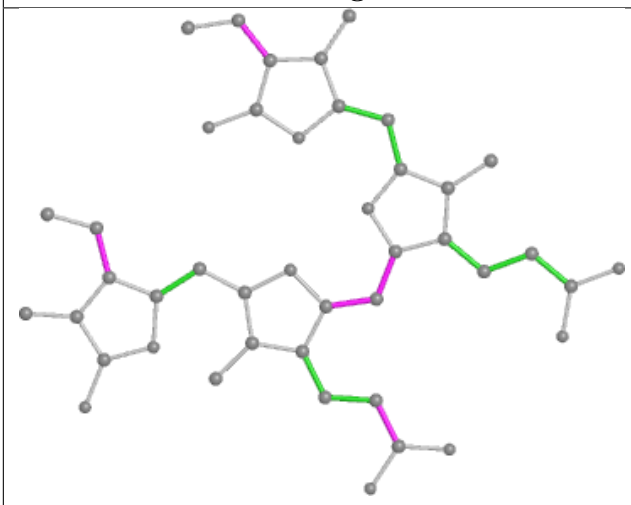

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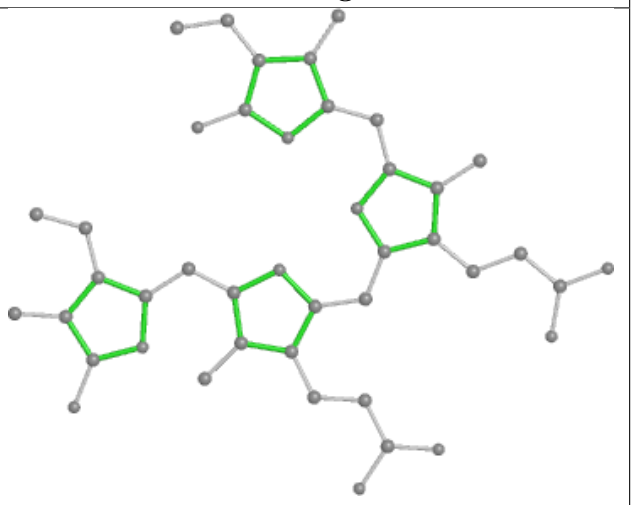

Rings

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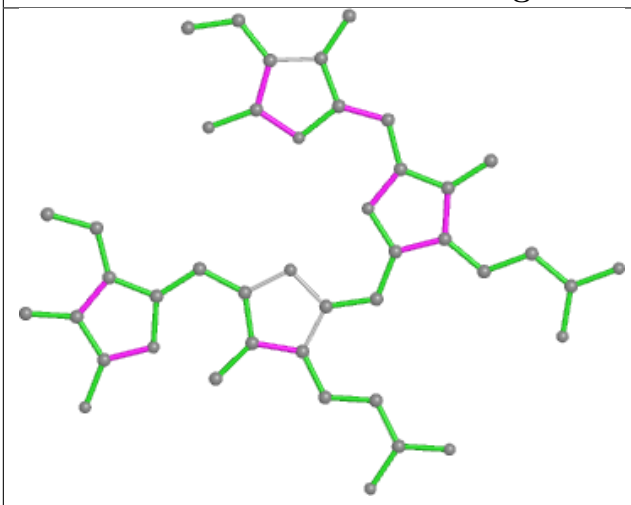

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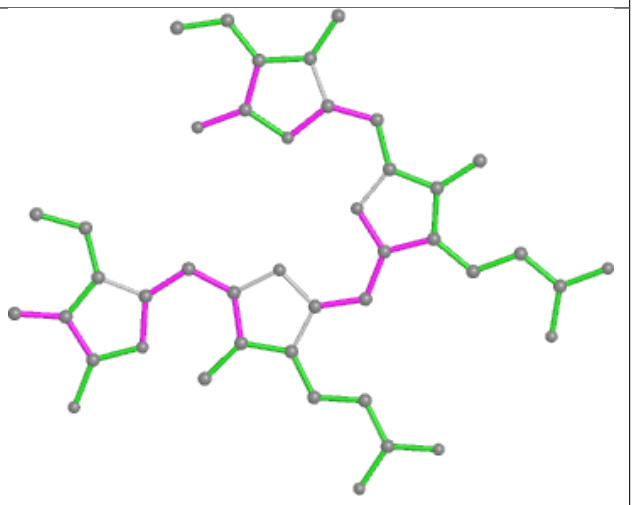

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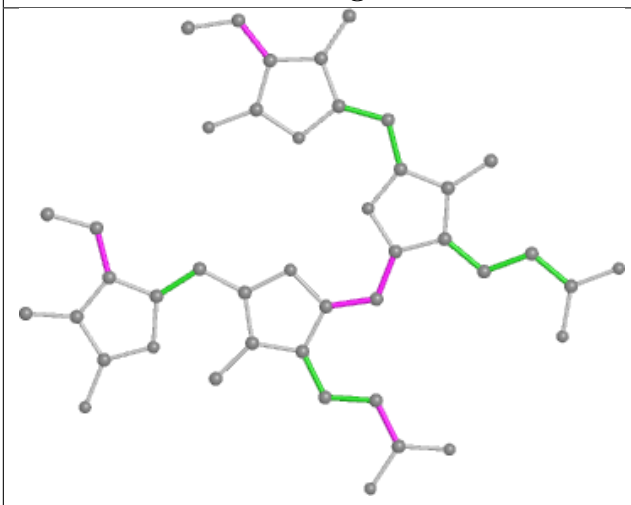

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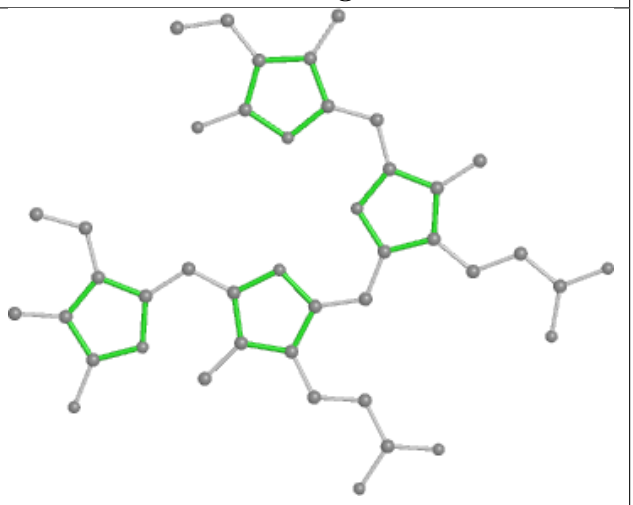

Rings

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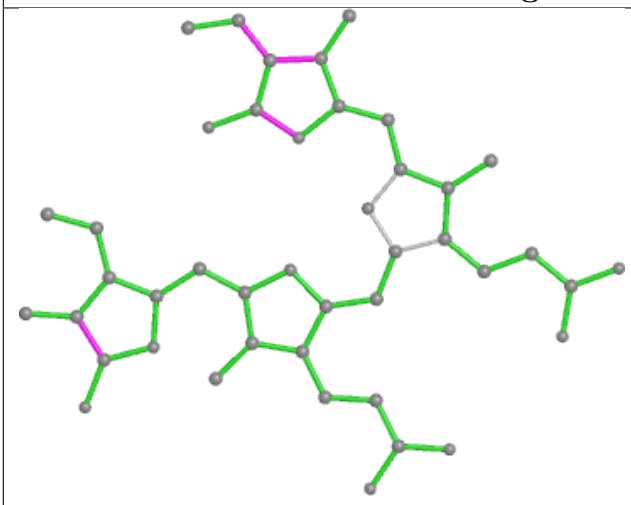

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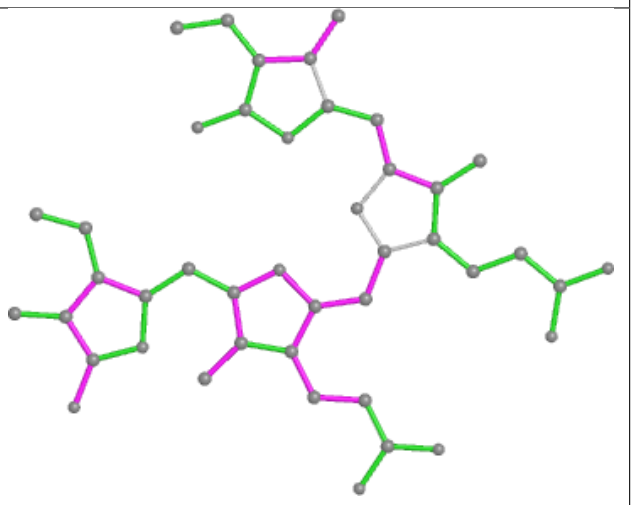

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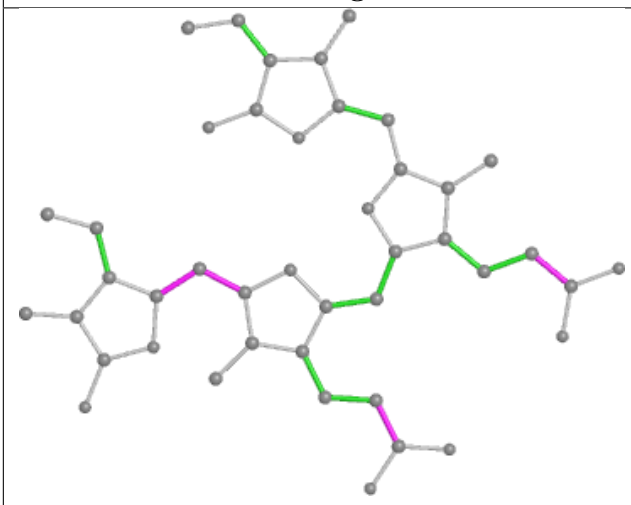

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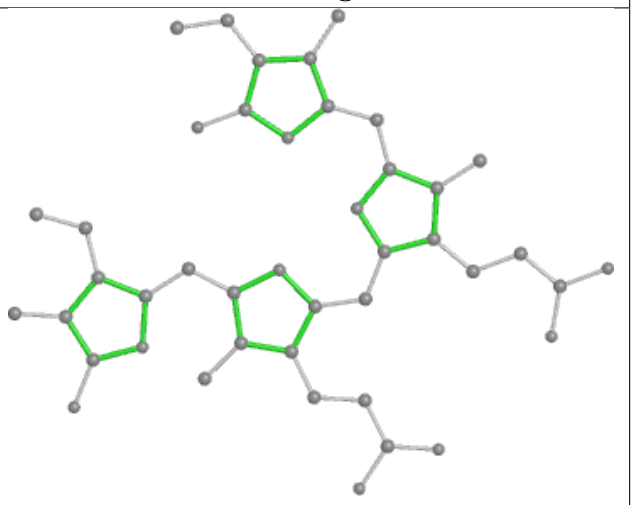

Rings

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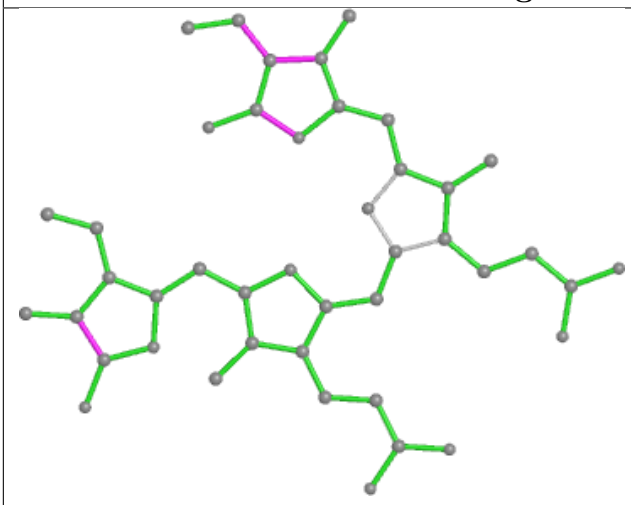

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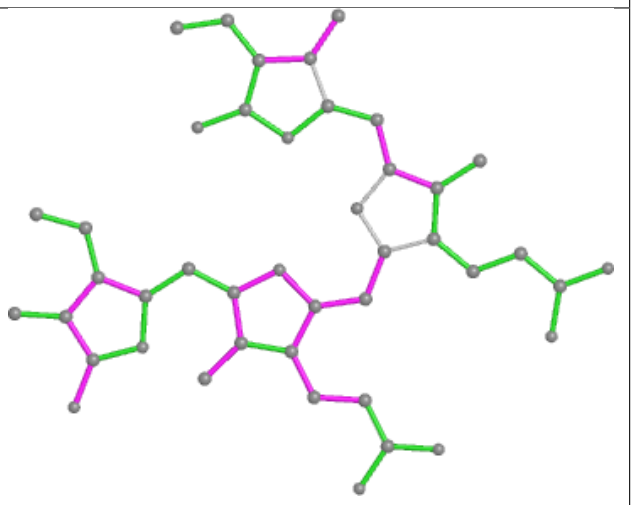

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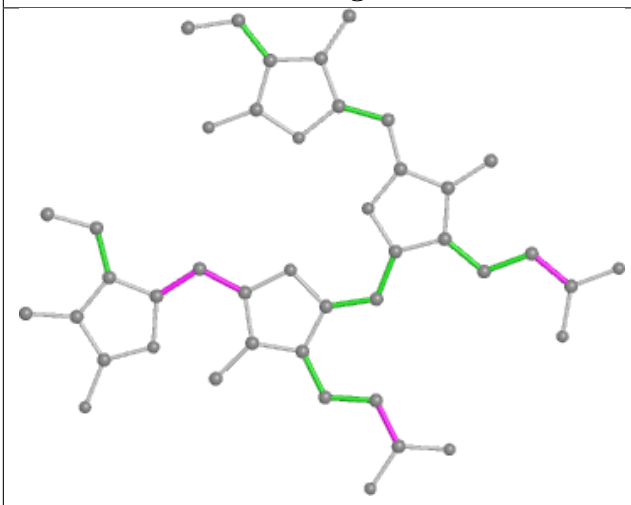

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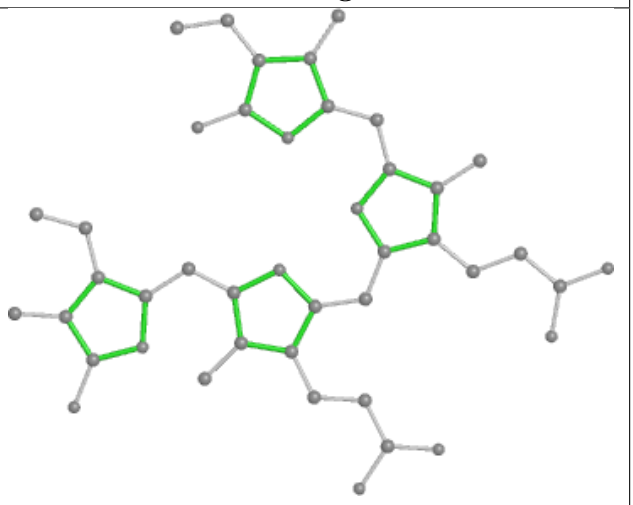

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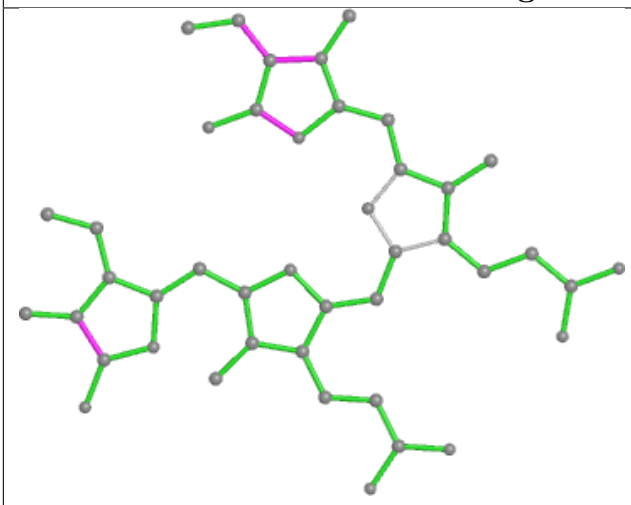

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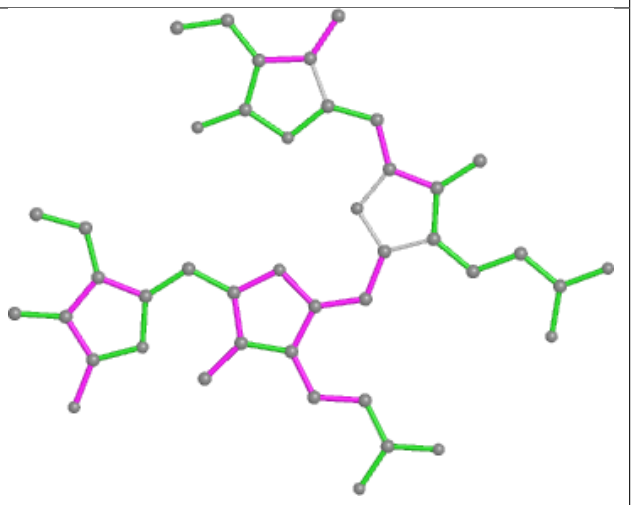

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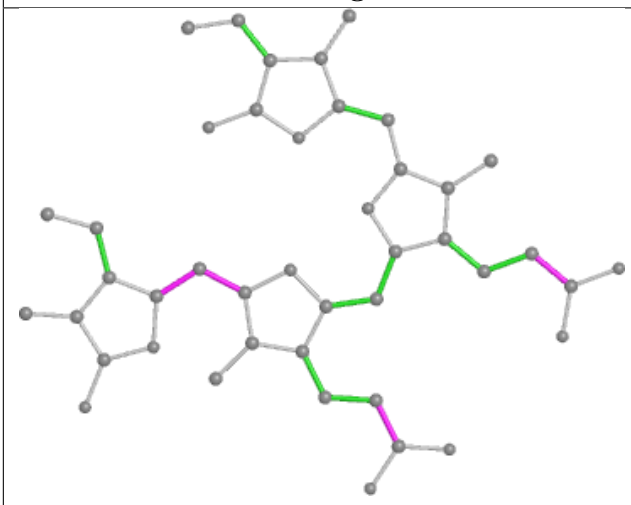

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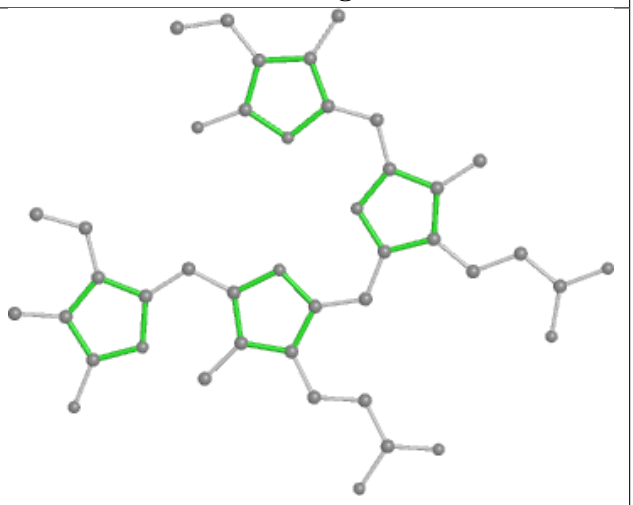

Rings

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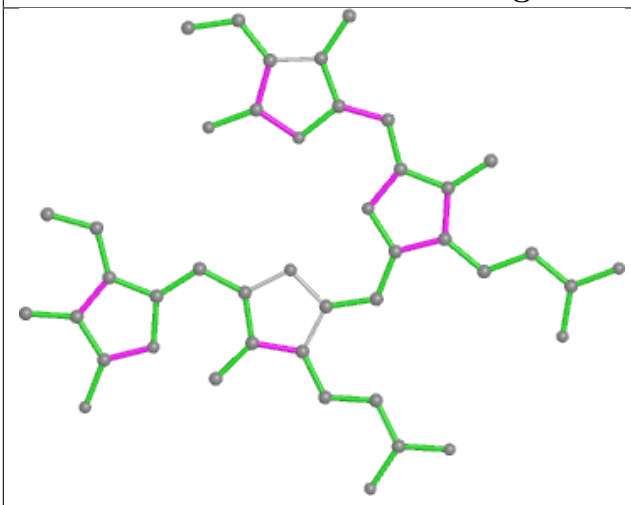

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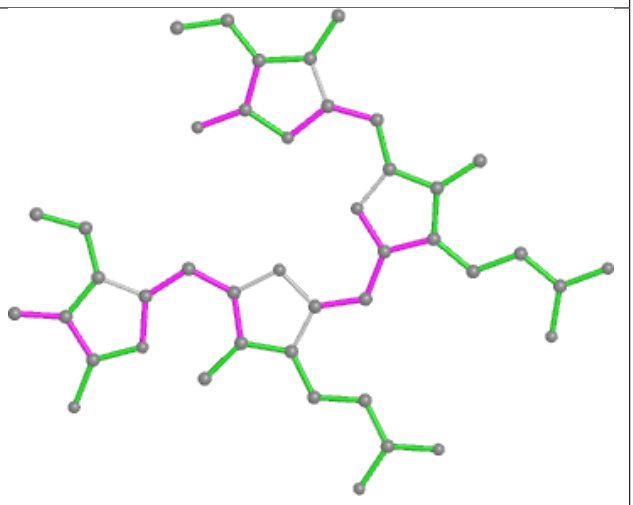

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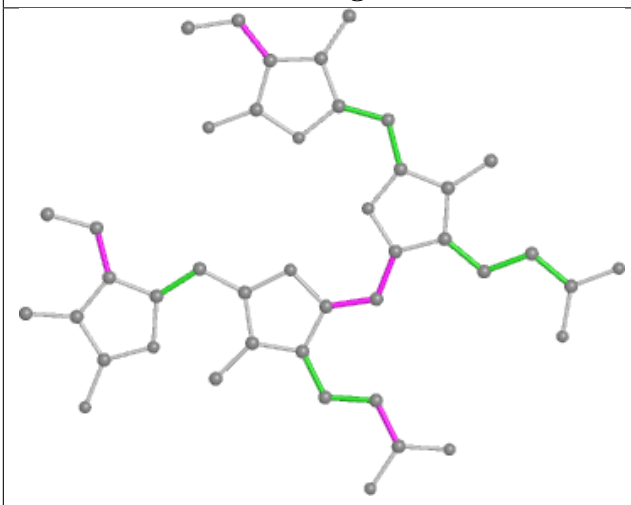

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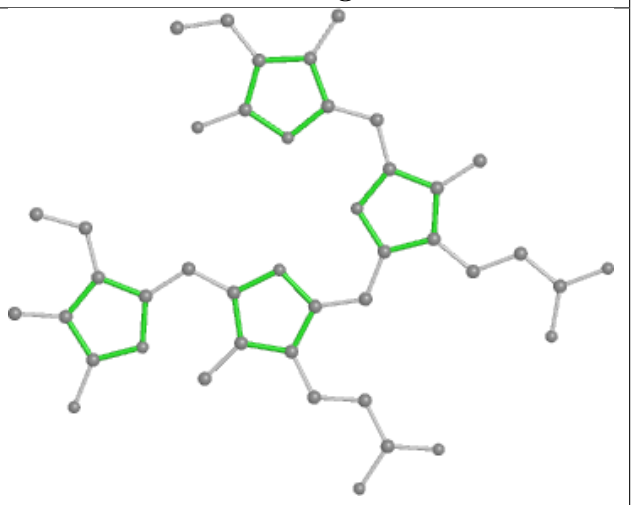

Rings

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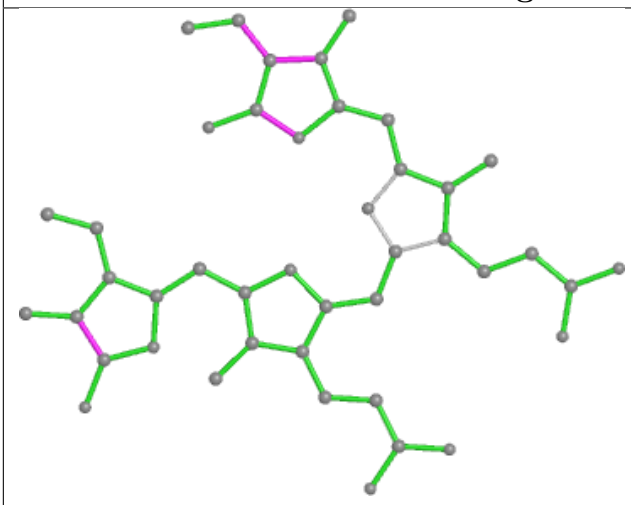

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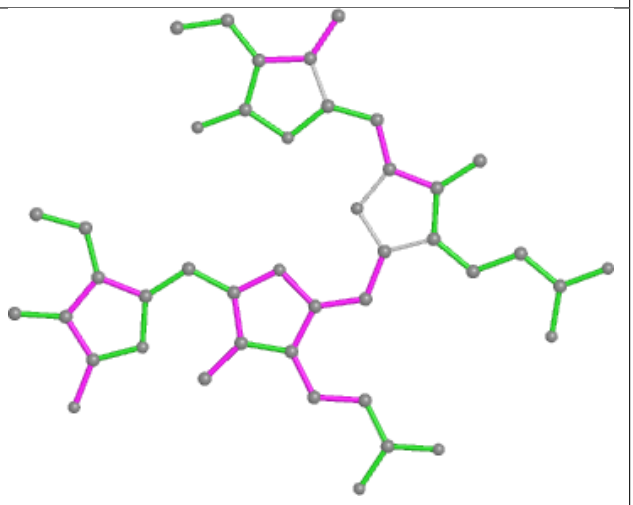

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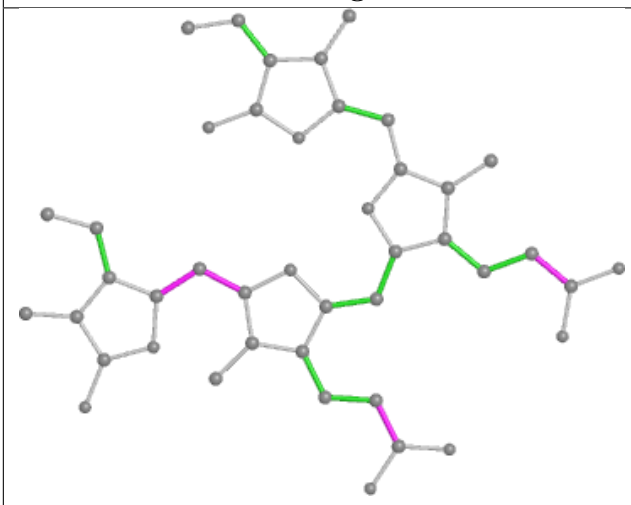

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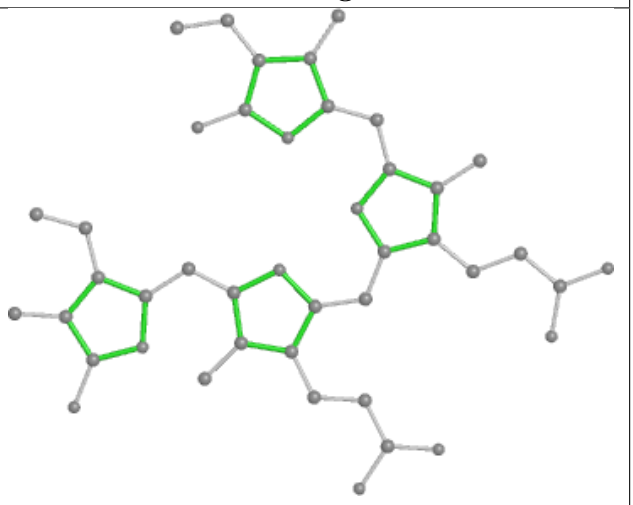

Rings

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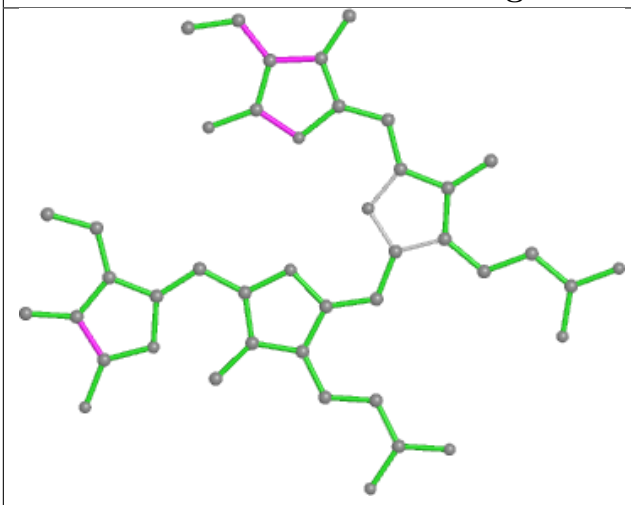

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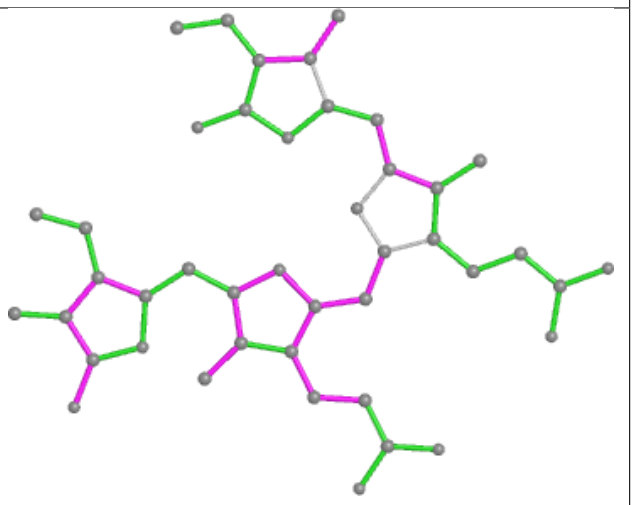

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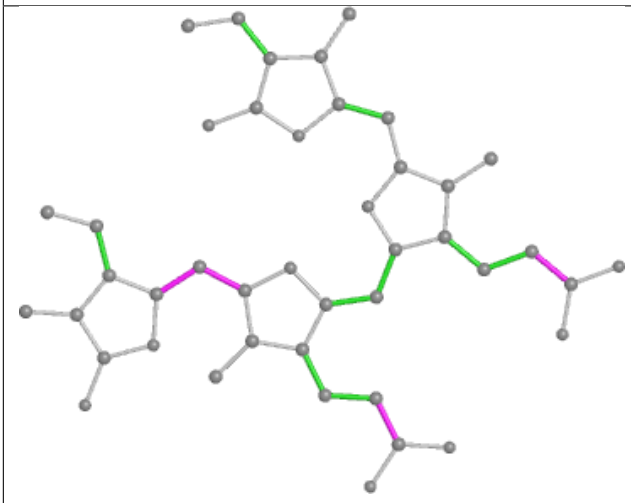

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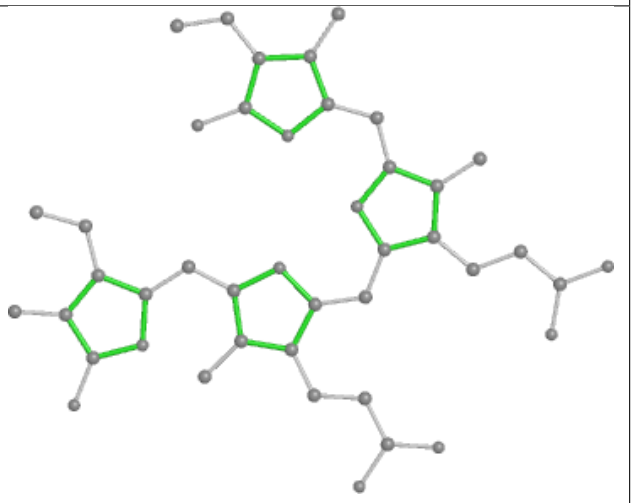

Rings

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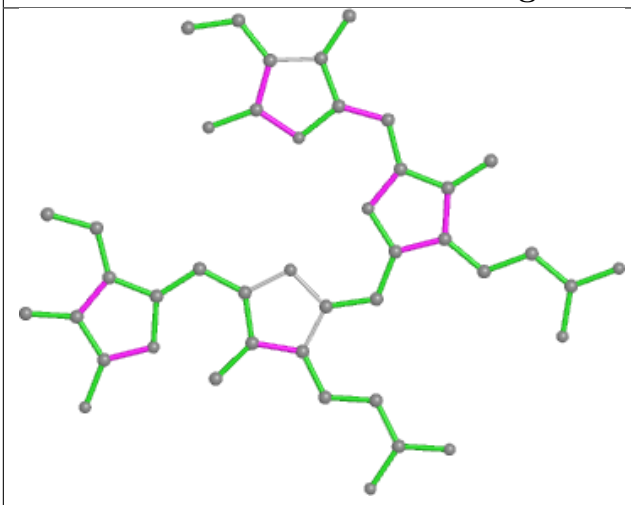

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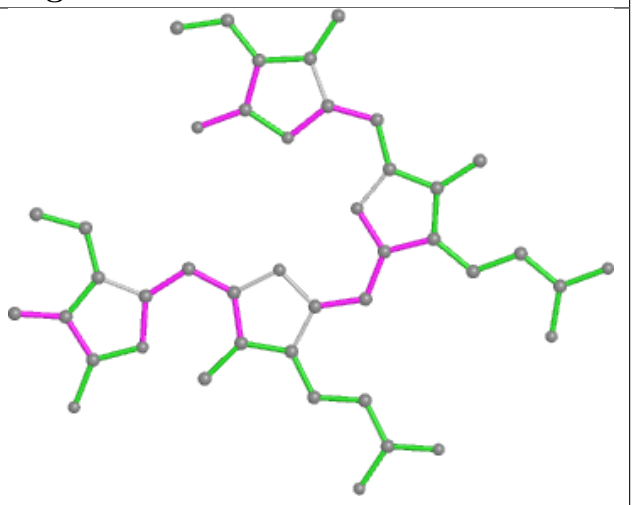

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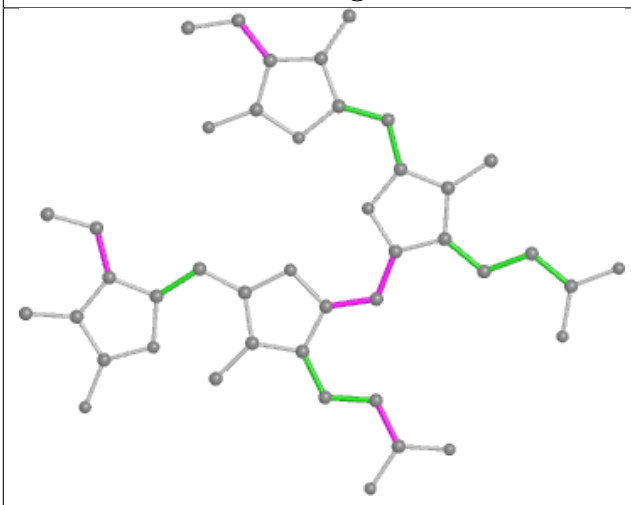
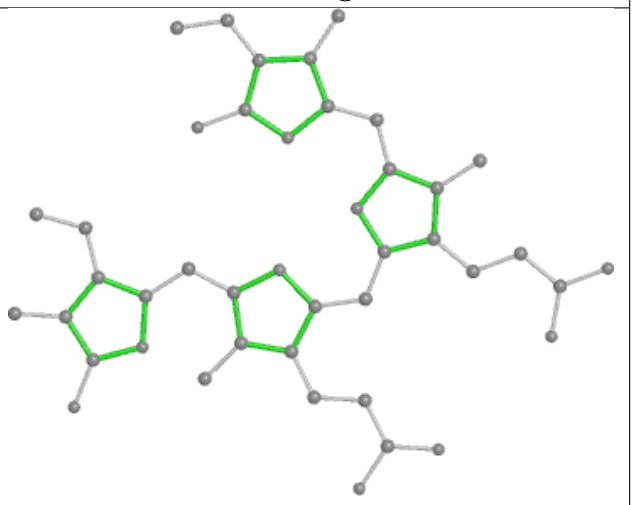
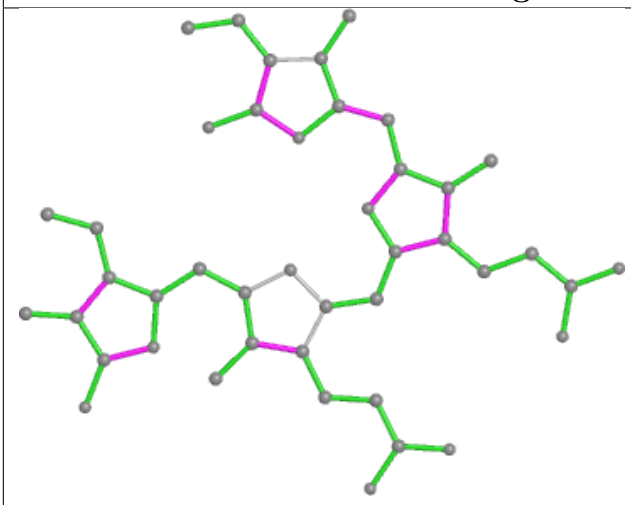


Torsions



Rings

Ligand PUB dw 405



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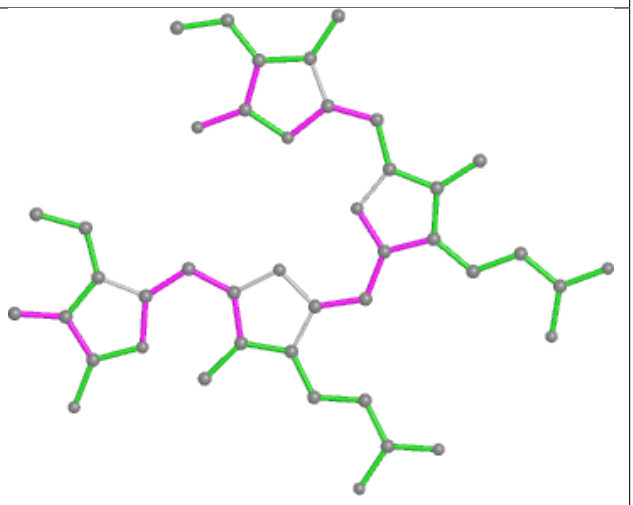

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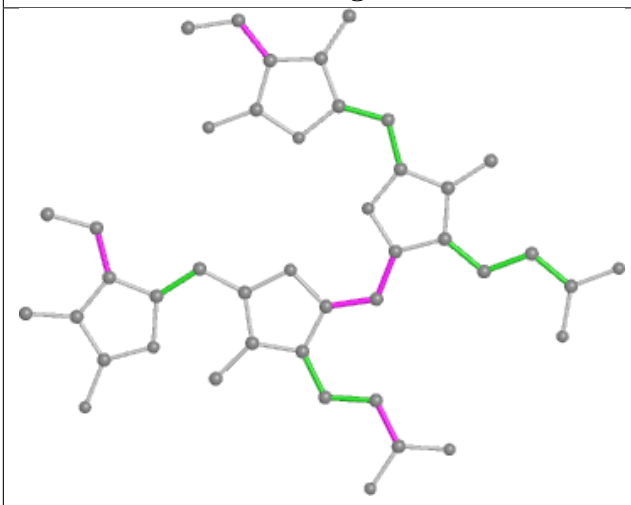

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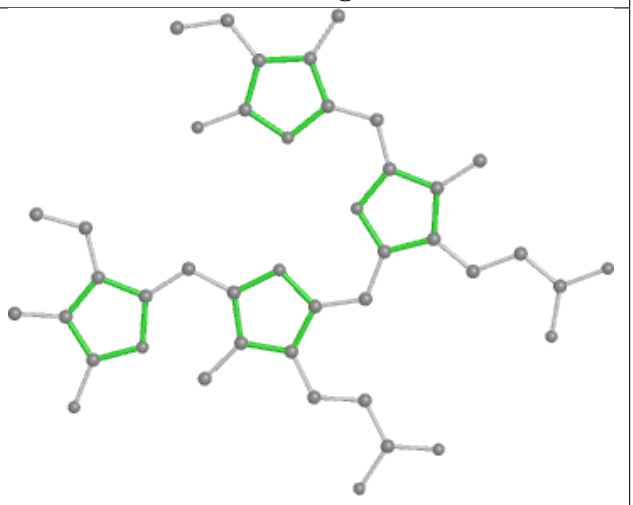

Rings

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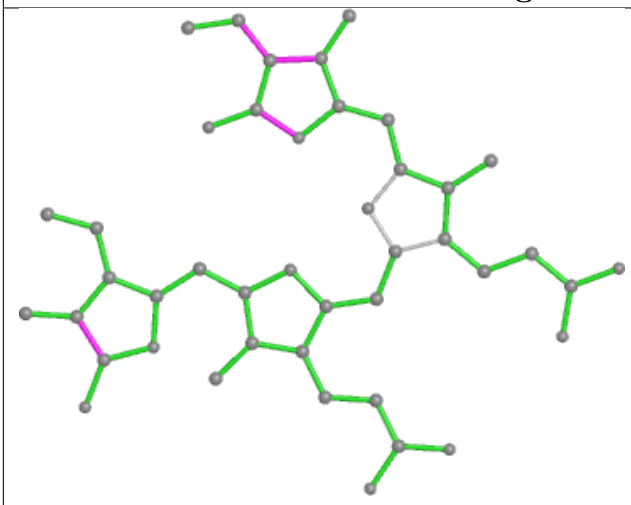

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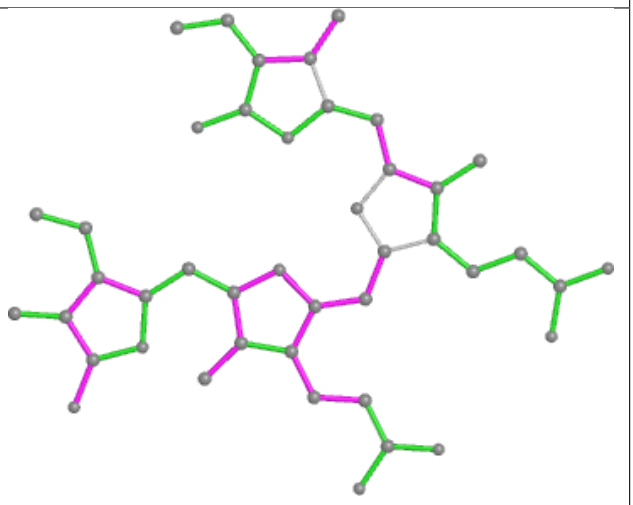

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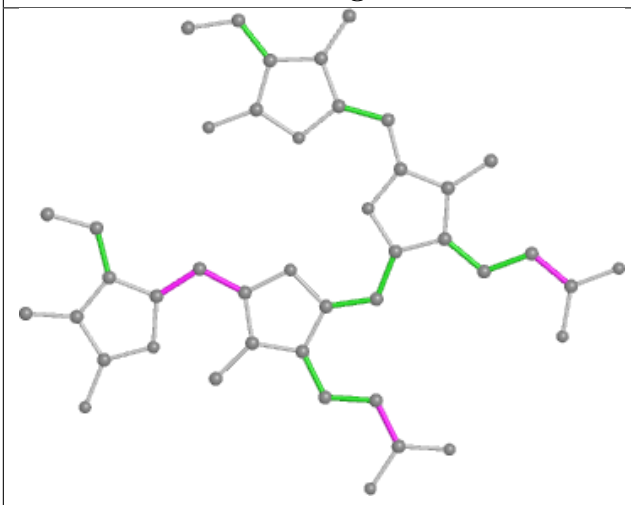

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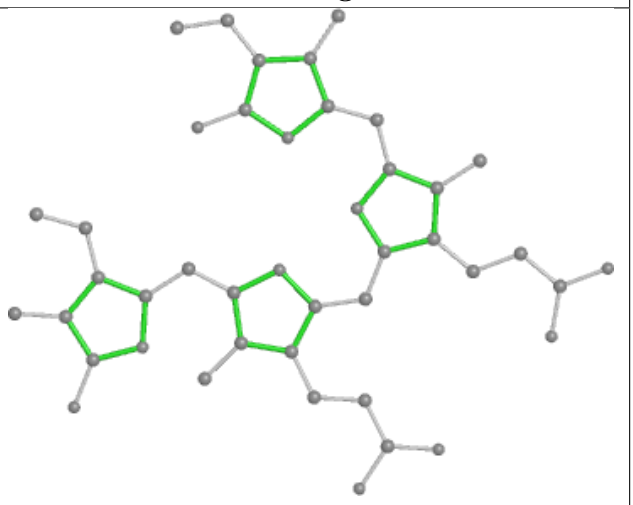

Rings

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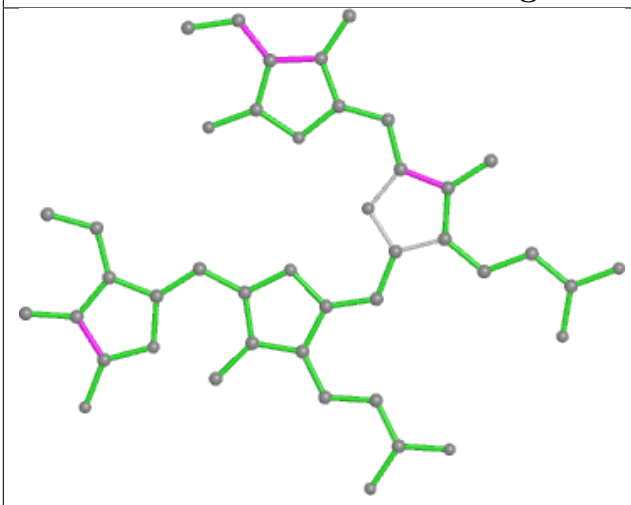

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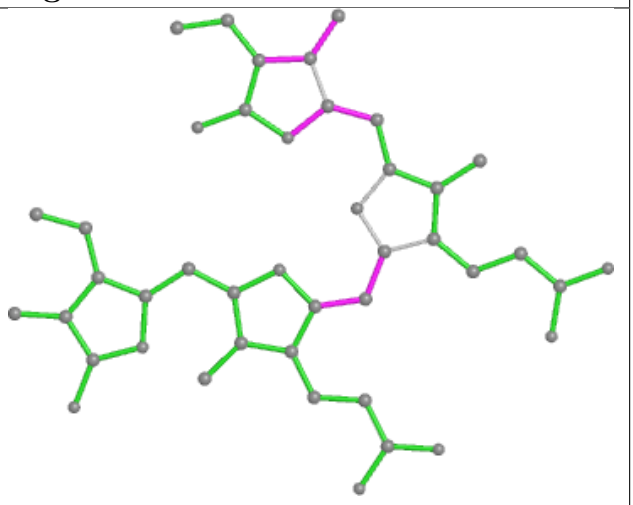

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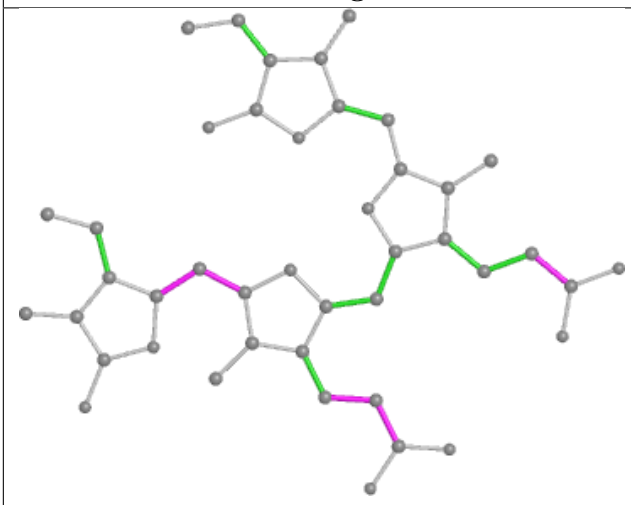

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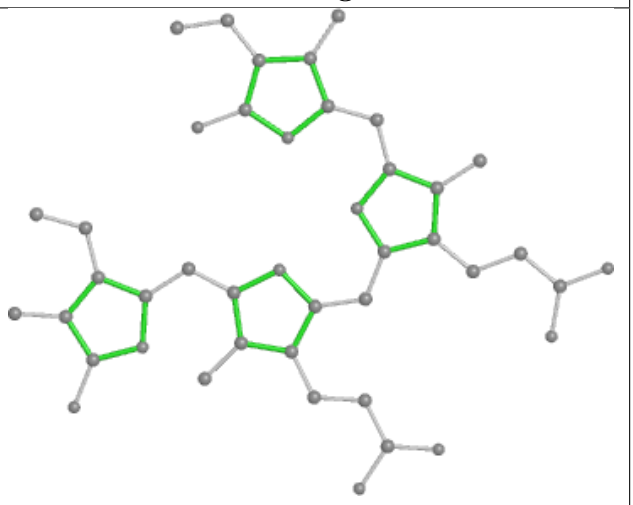

Rings

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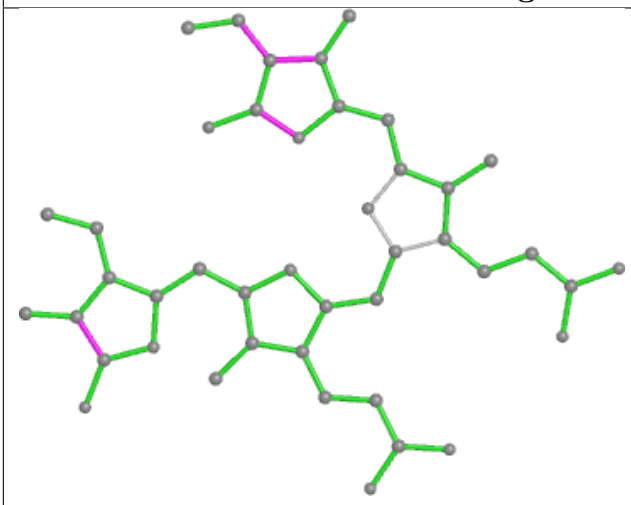

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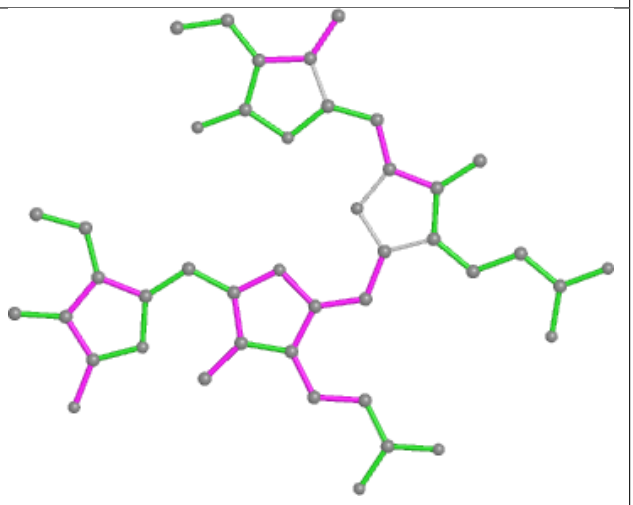

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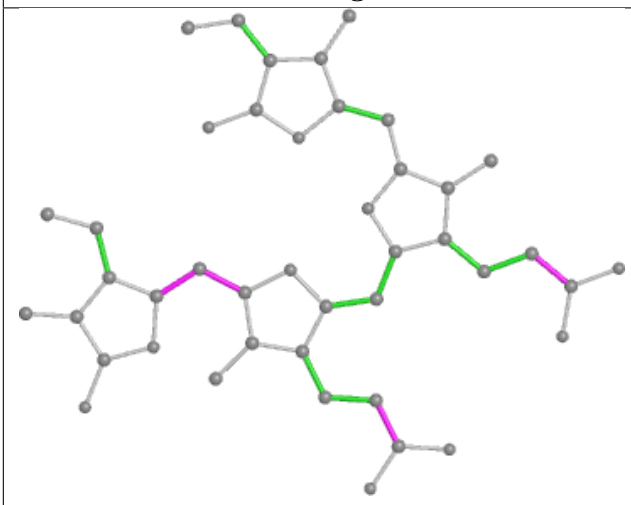

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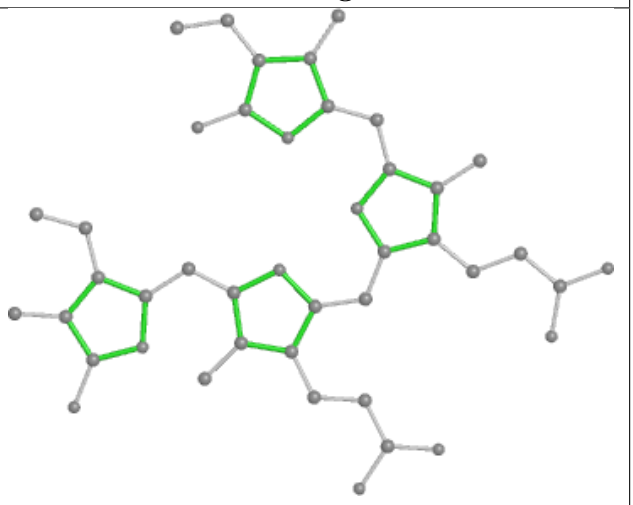

Rings

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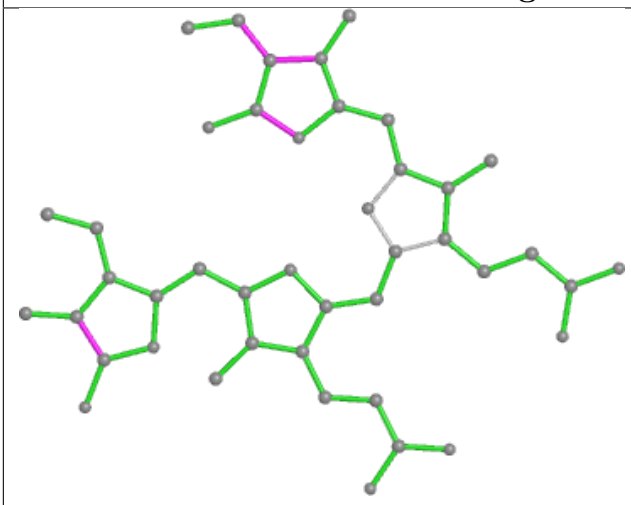

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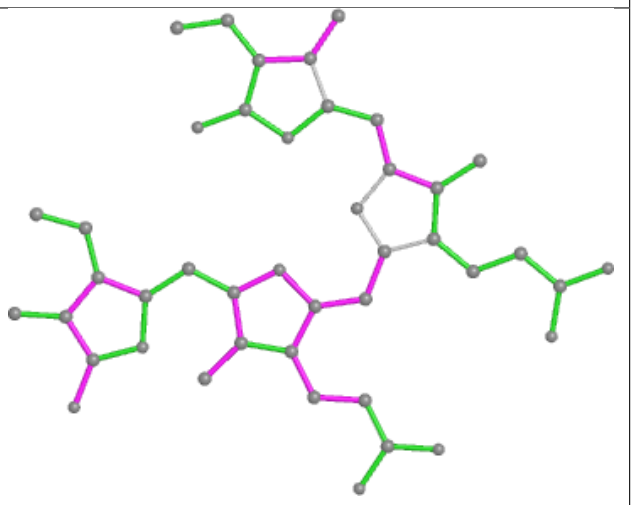

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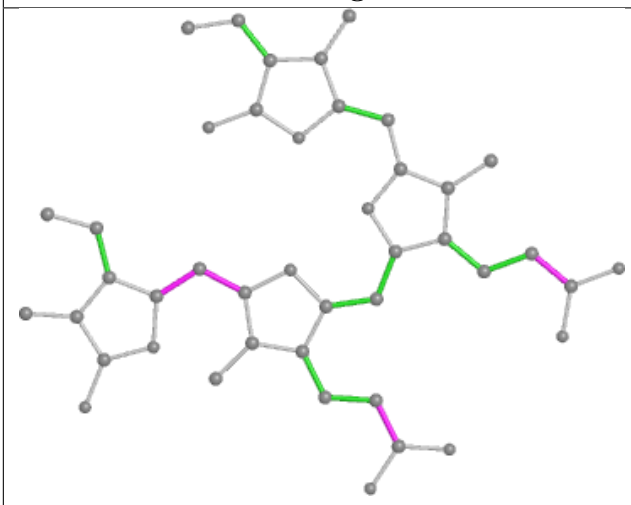

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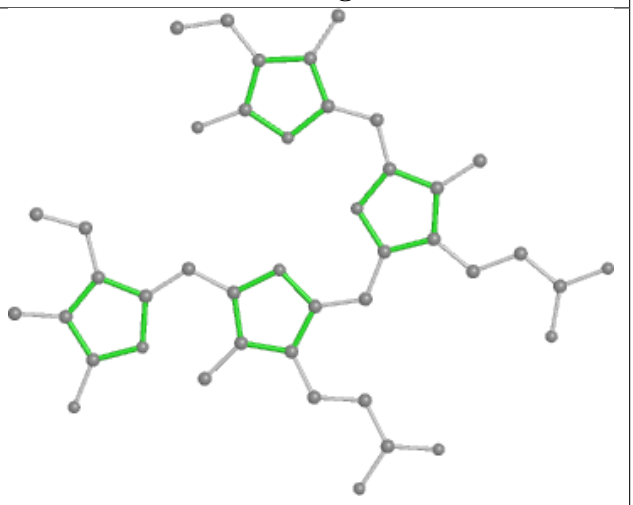

Rings

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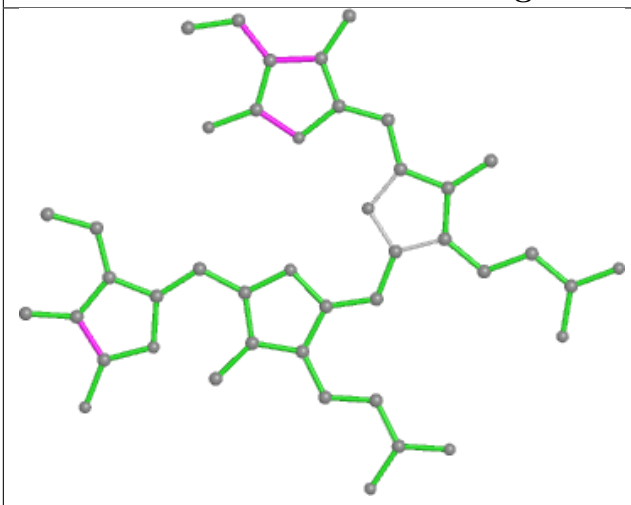

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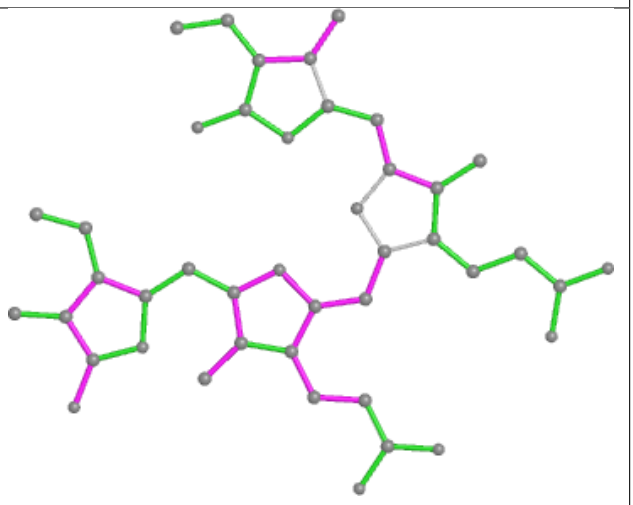

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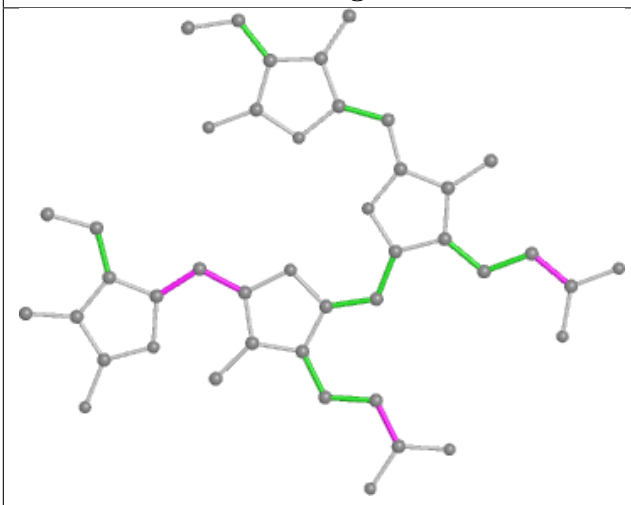

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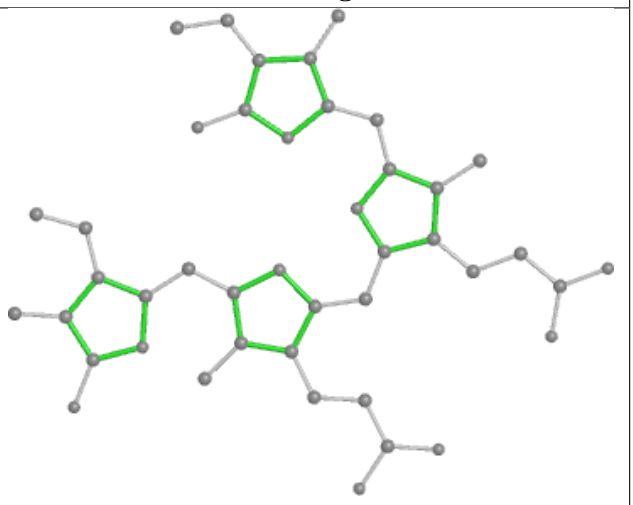

Rings

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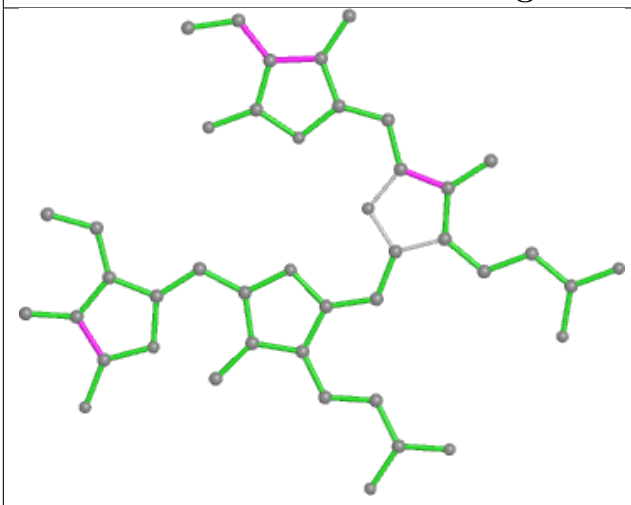

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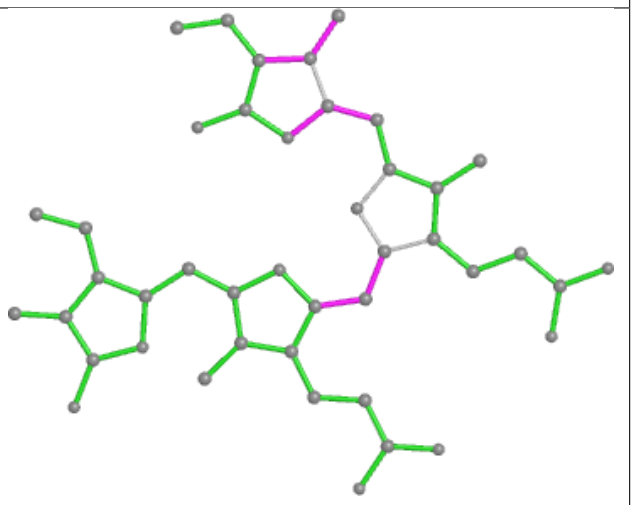

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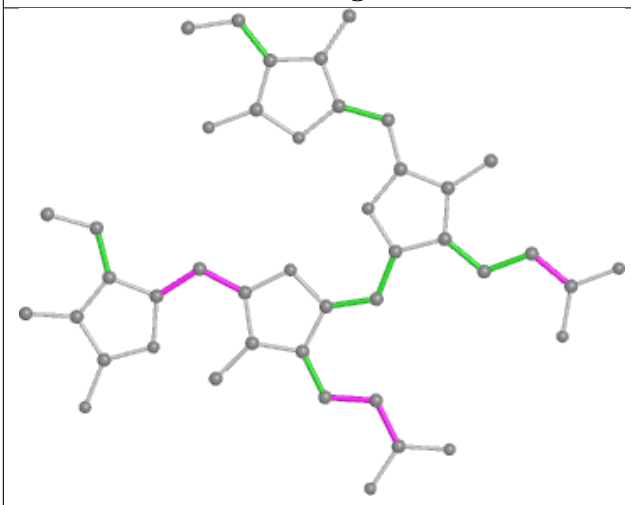

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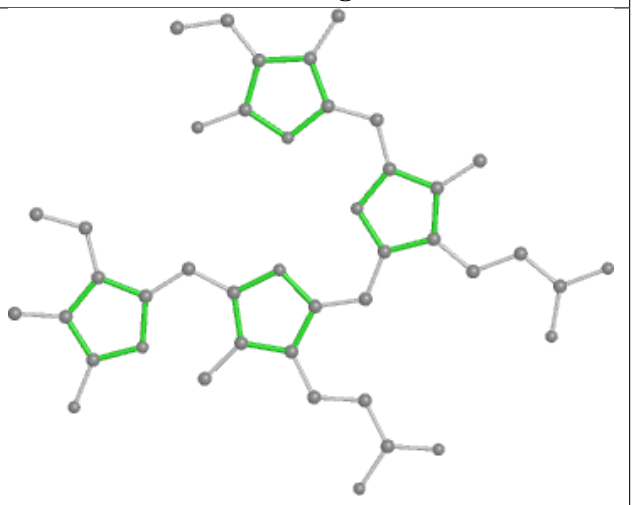

Rings

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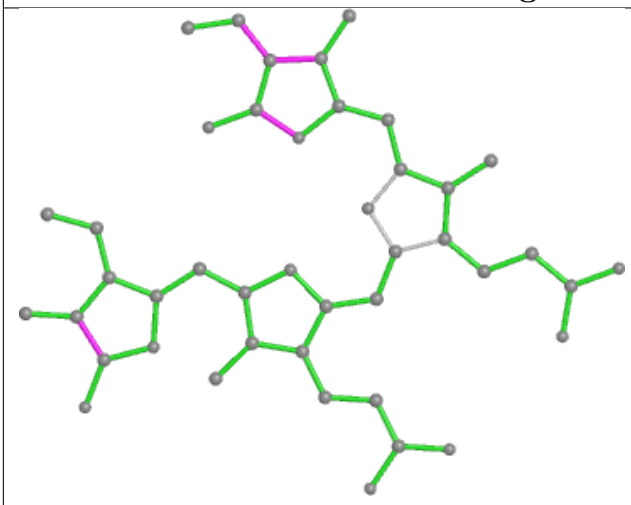

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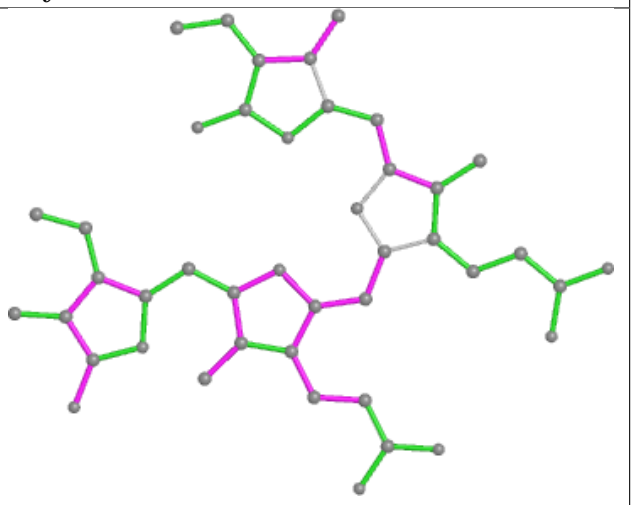

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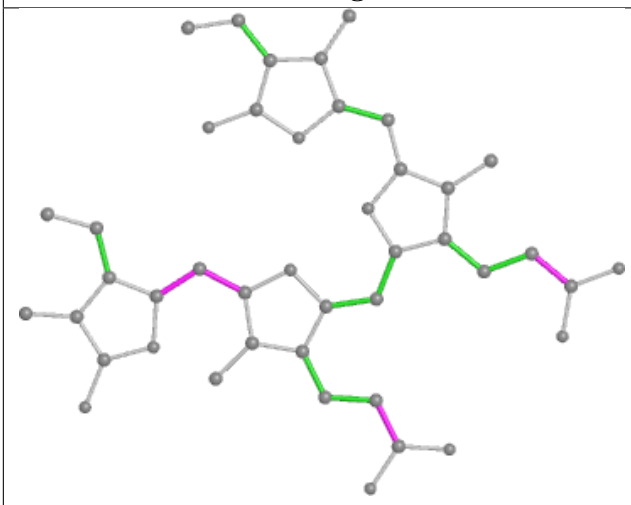

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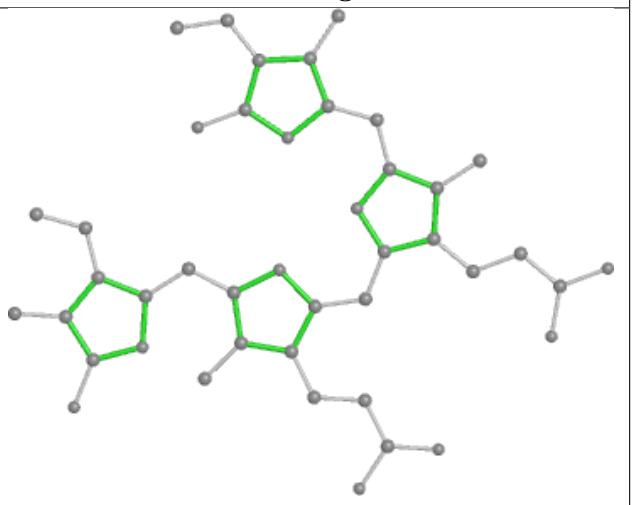

Rings

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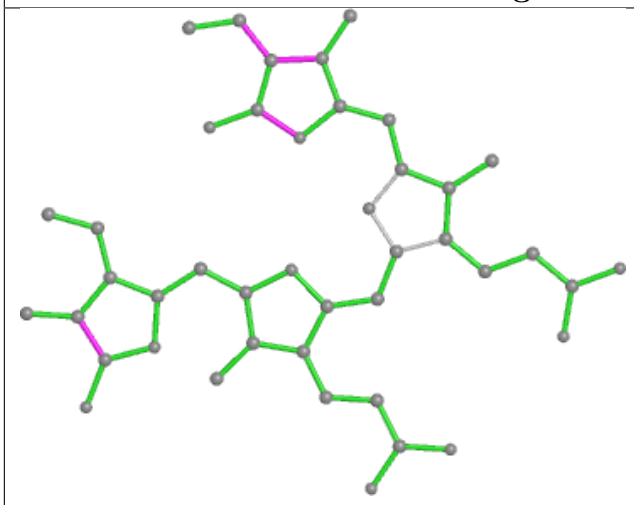

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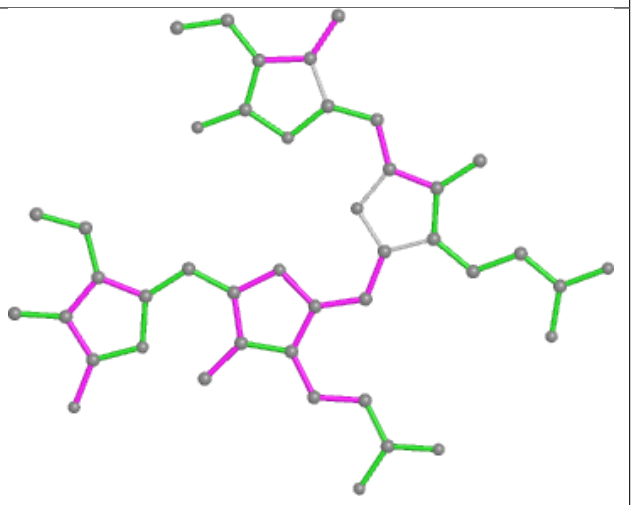

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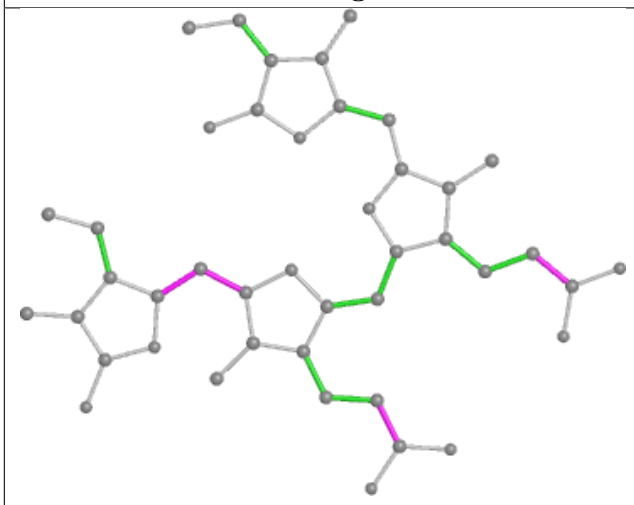

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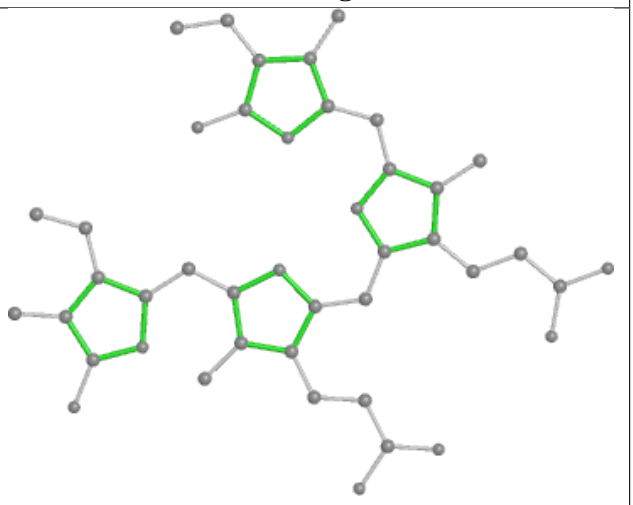

Rings

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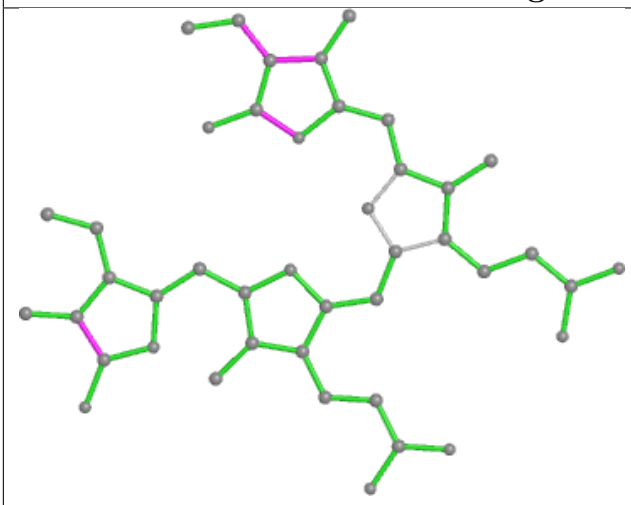

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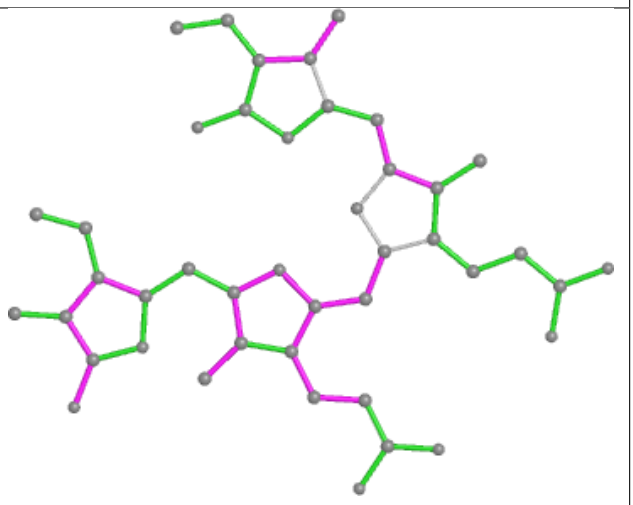

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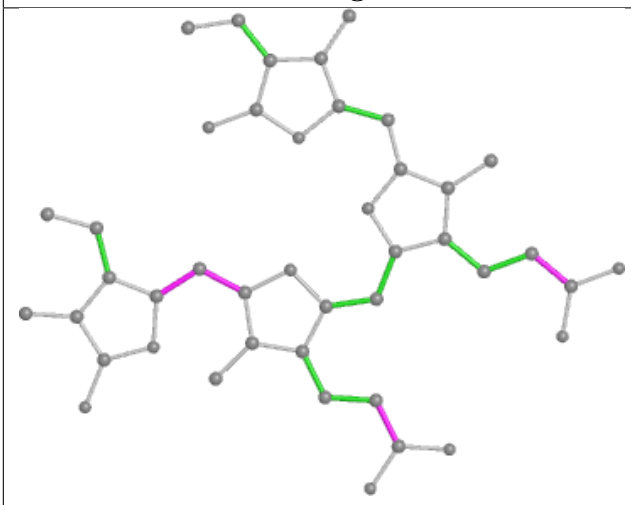

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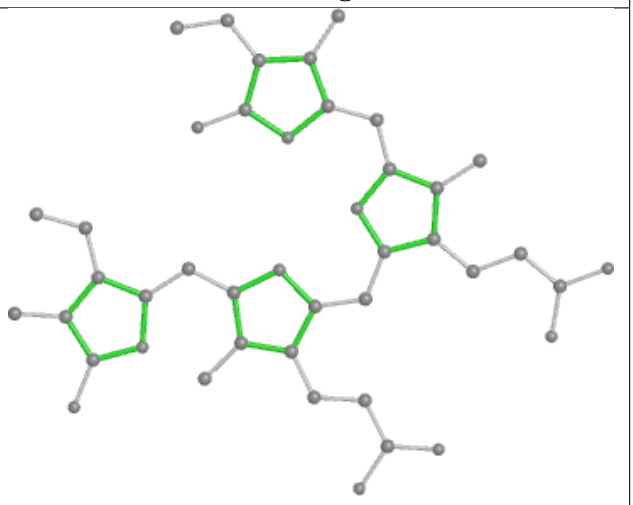
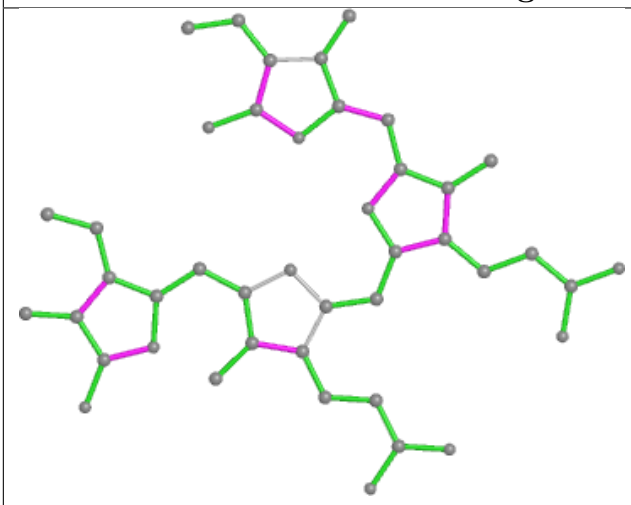


Rings

Ligand PUB x5 202



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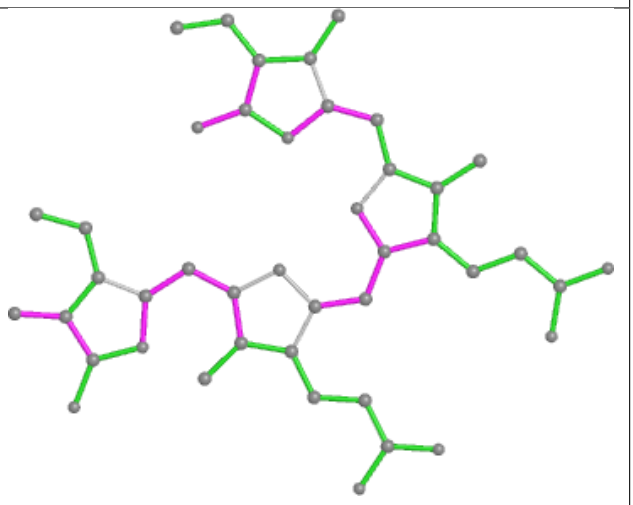

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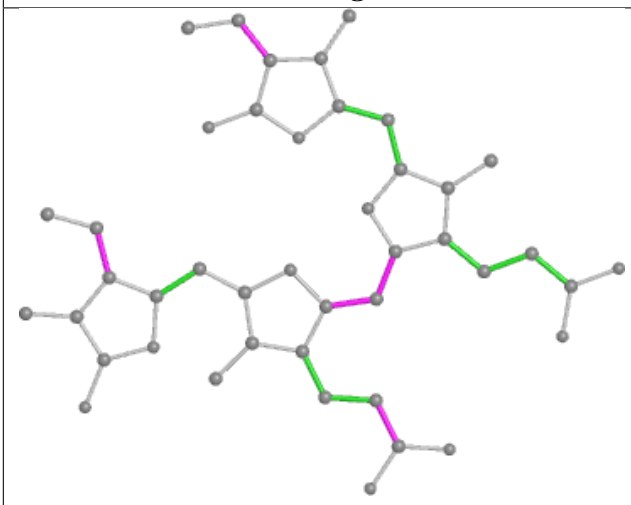

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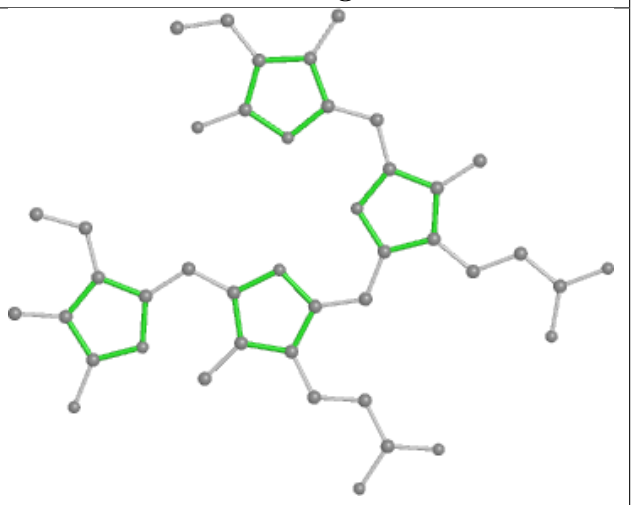

Rings

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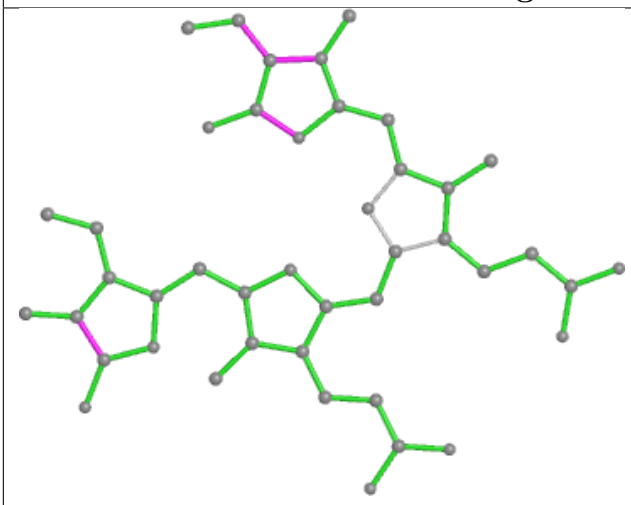

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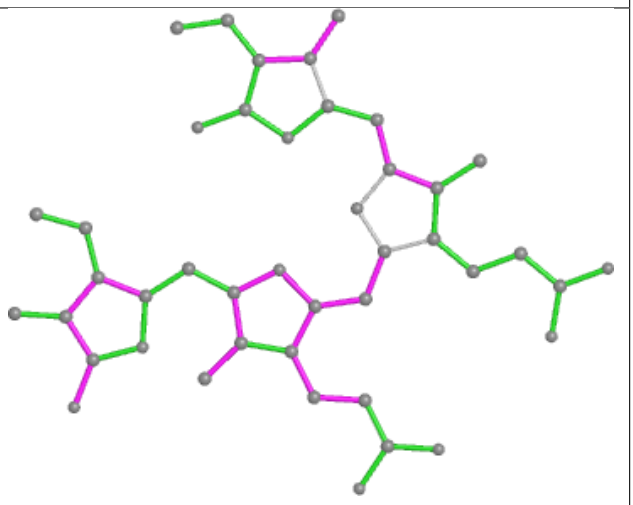

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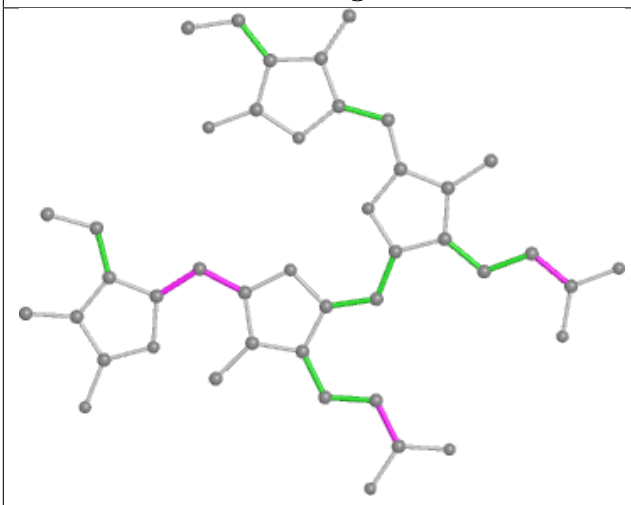

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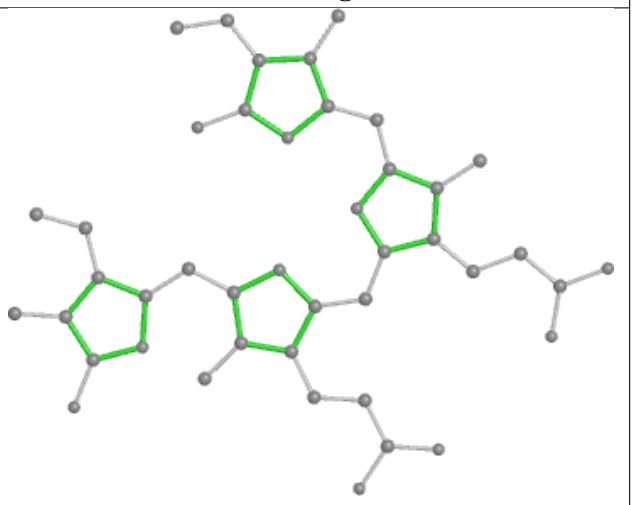

Rings

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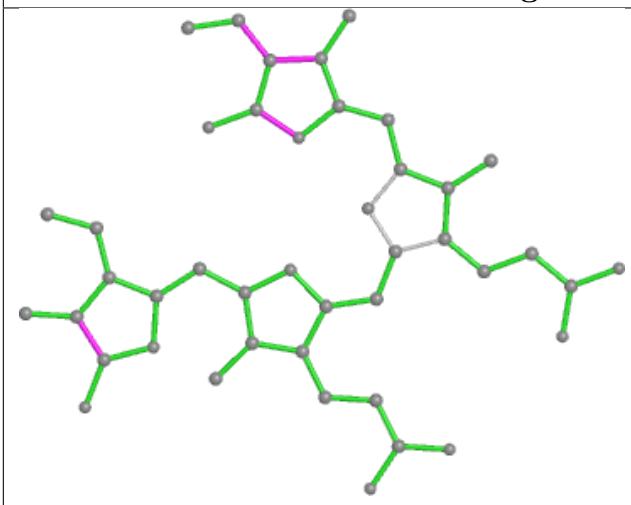

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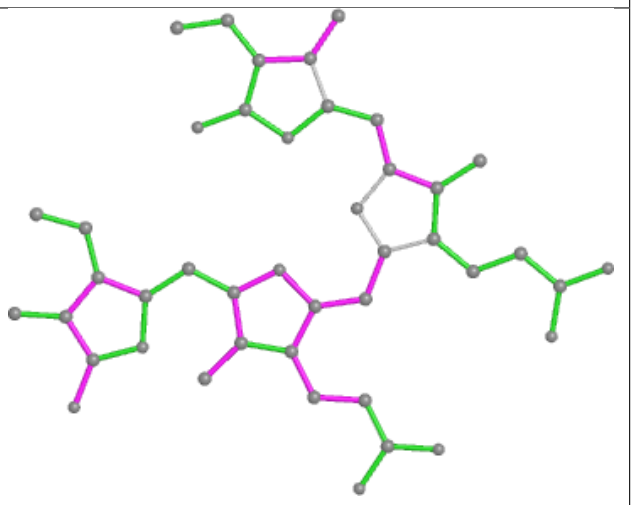

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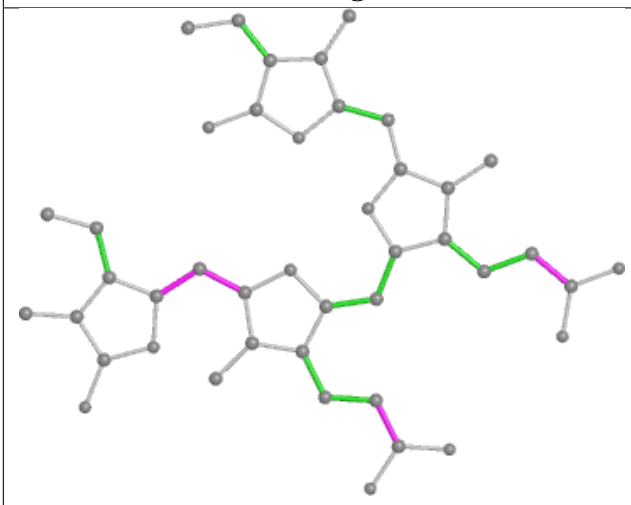

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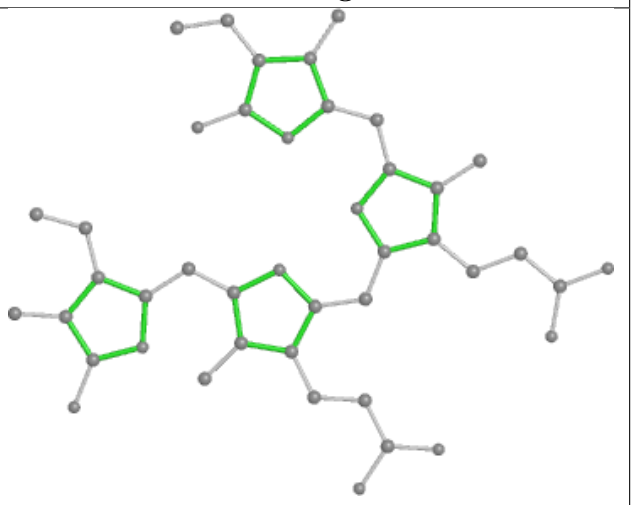
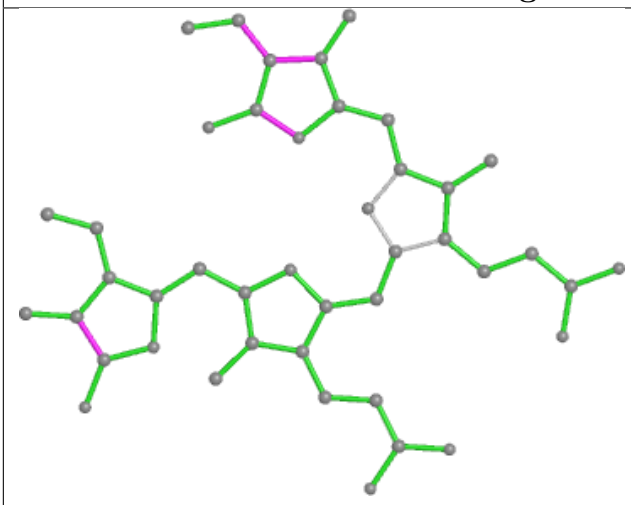
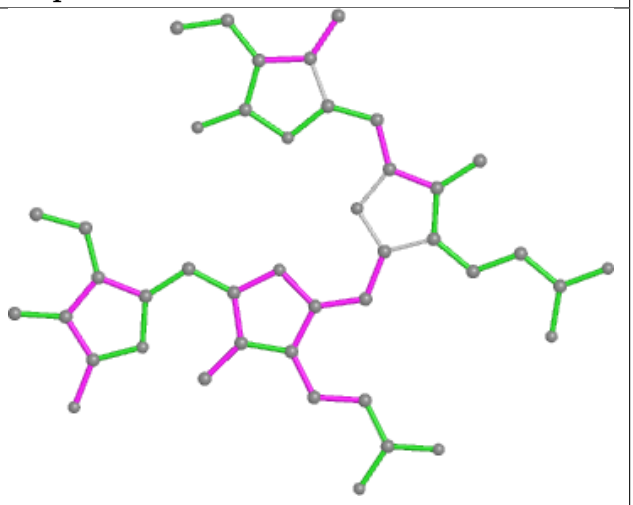


Rings

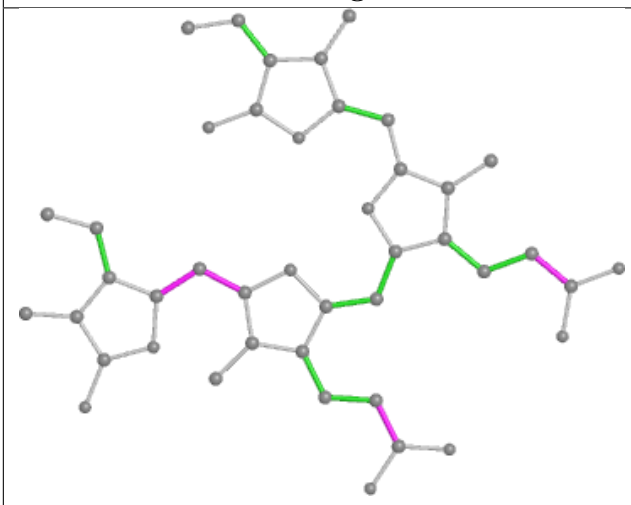
Ligand PEB q5 201



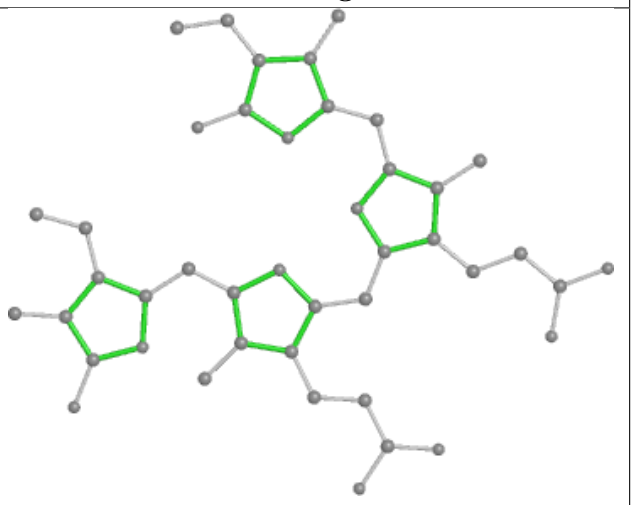
Bond lengths



Bond angles

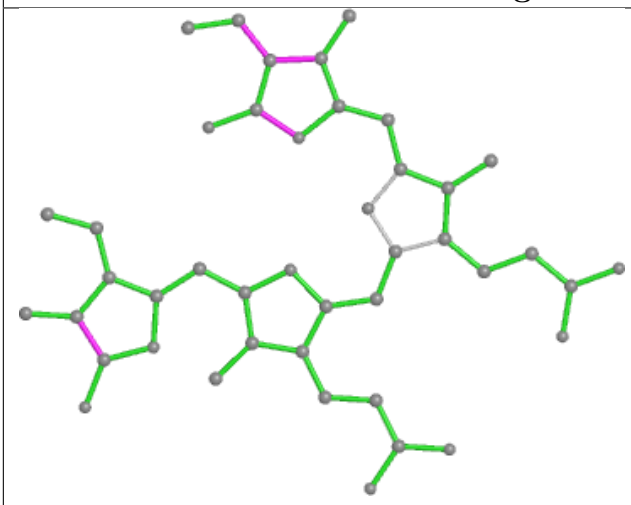


Torsions



Rings

Ligand PEB dH 201



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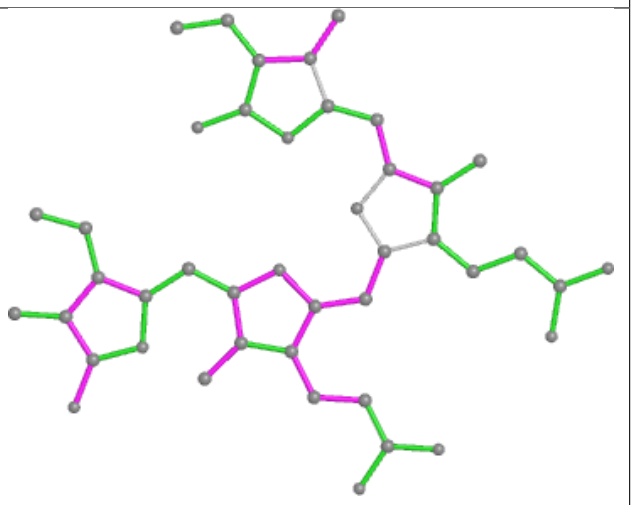

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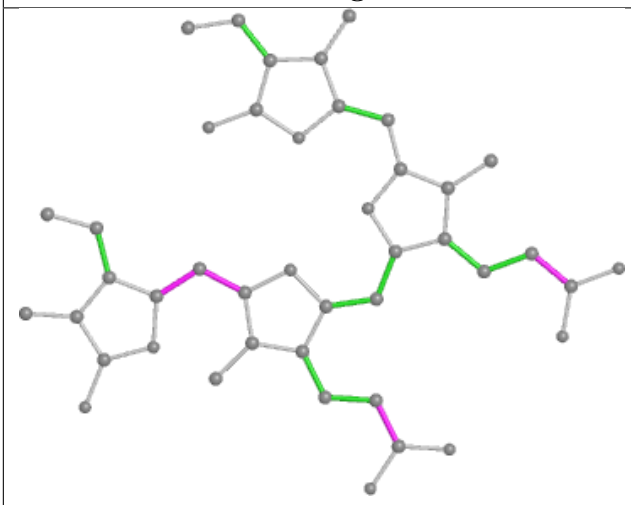

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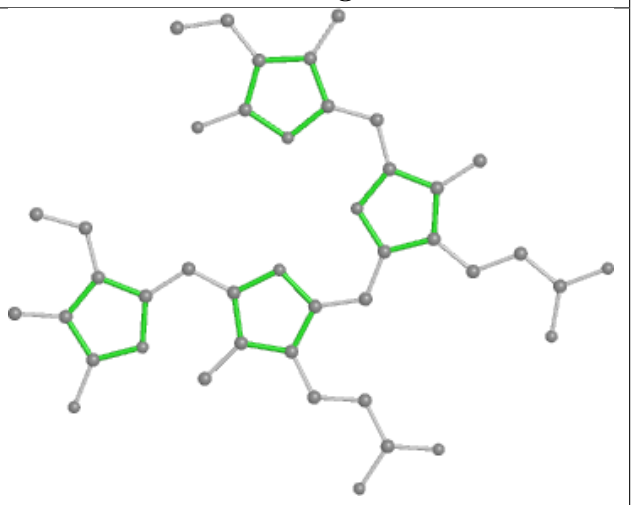
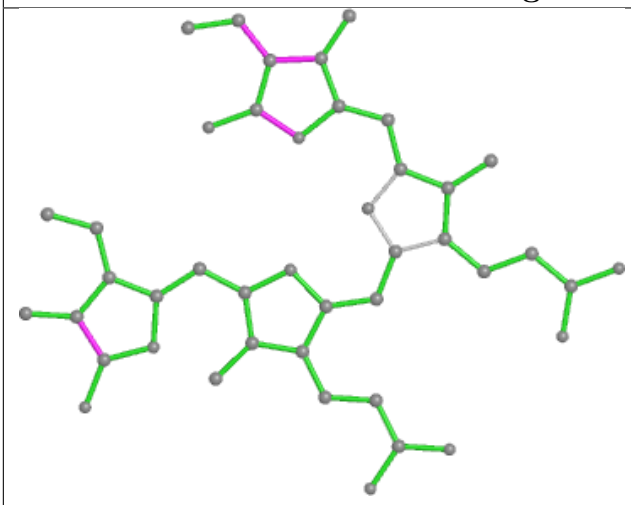


Rings

Ligand PEB lp 201



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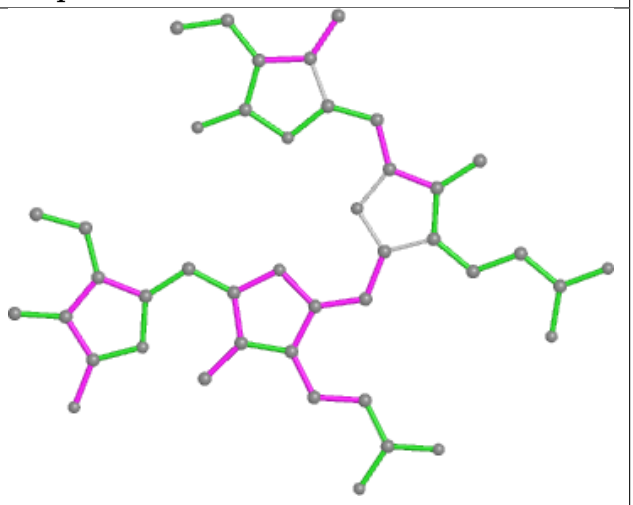

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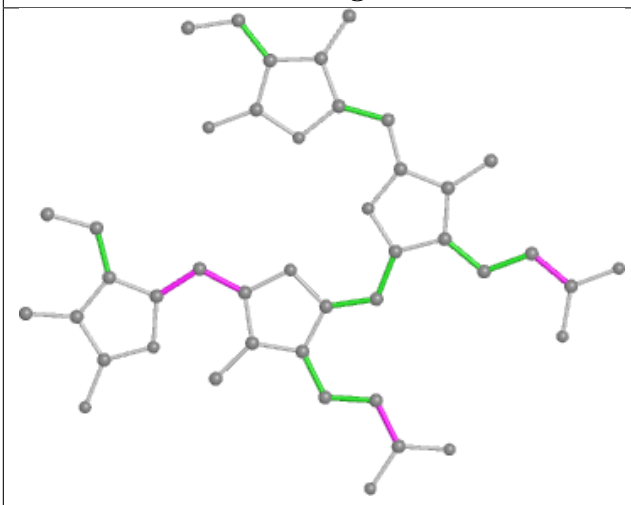

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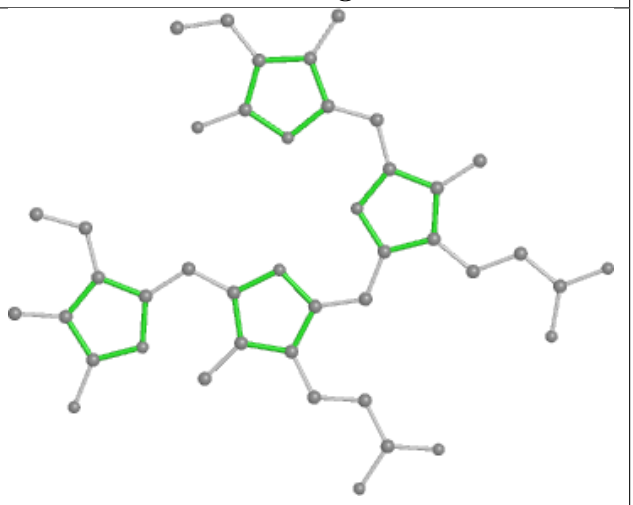
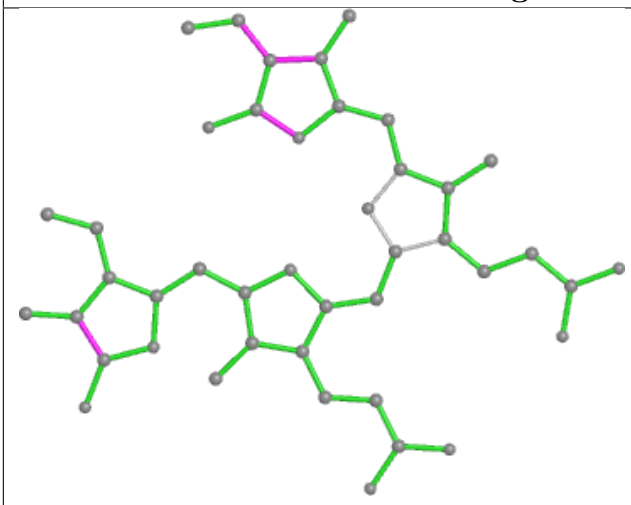


Rings

Ligand PEB a3 1003



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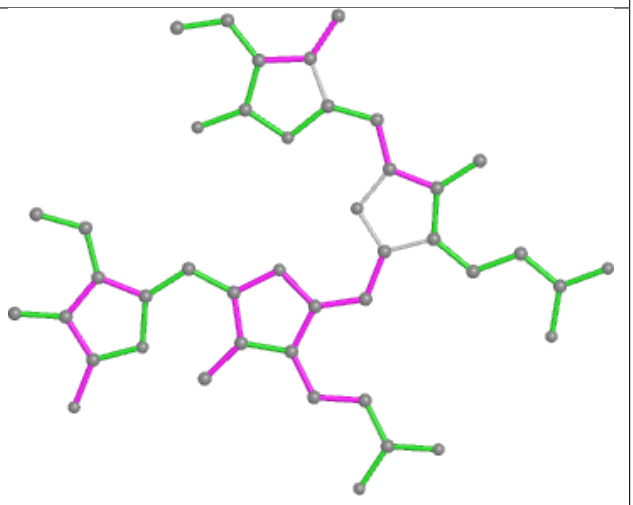

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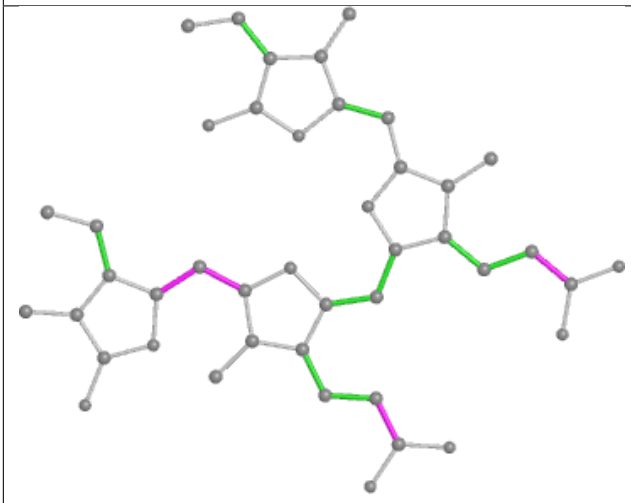

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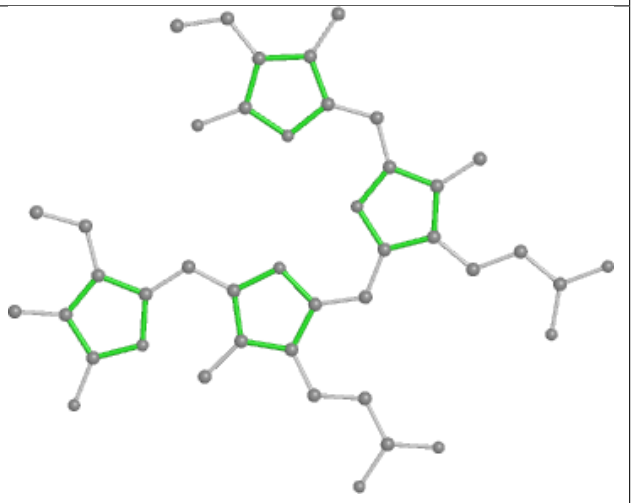

Rings

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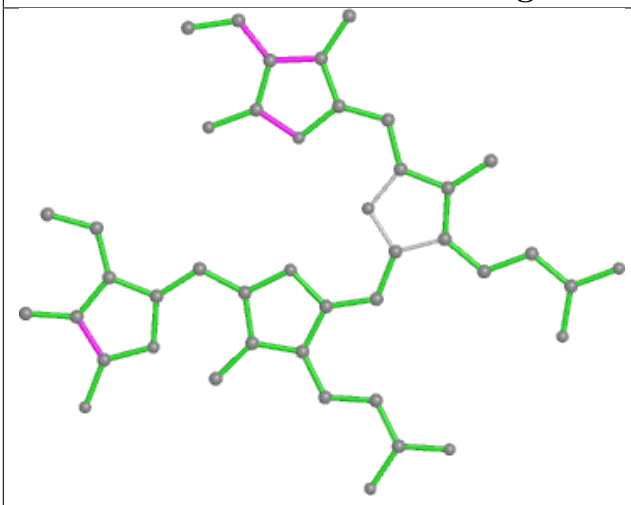

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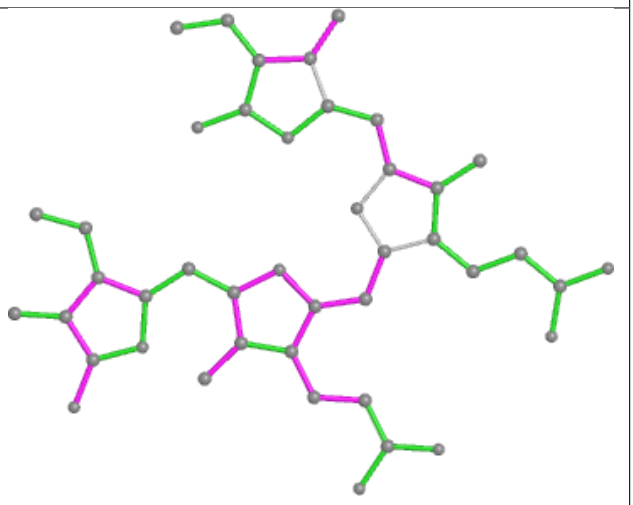

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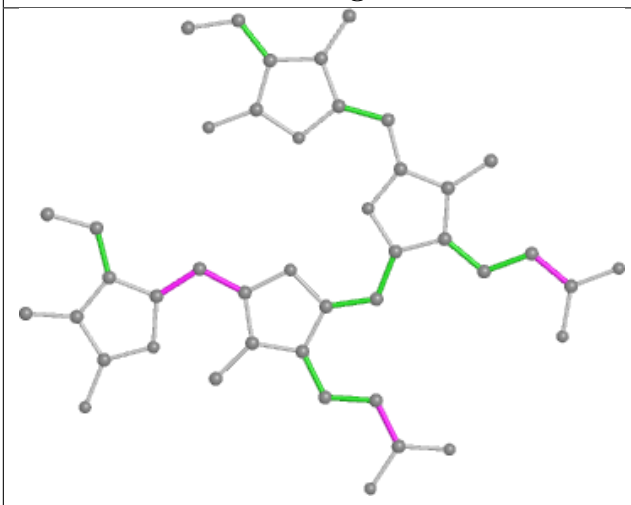

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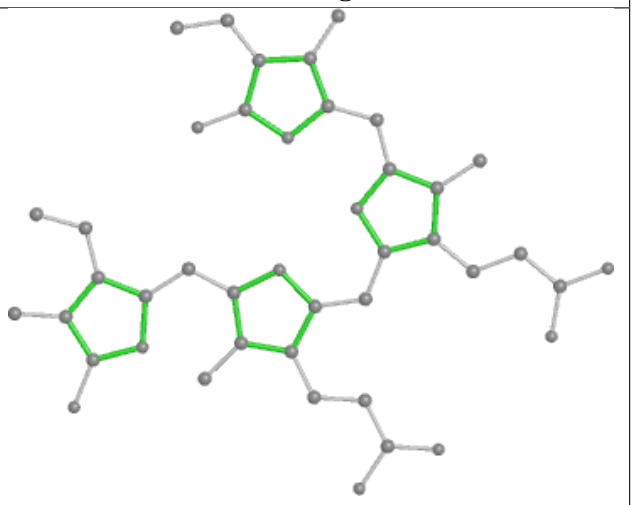

Rings

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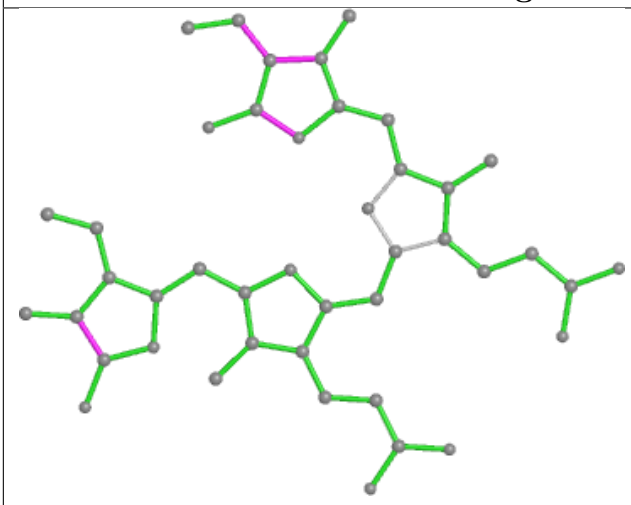

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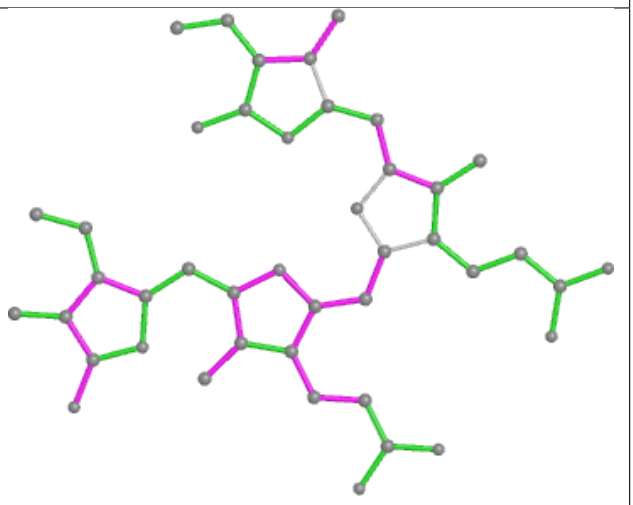

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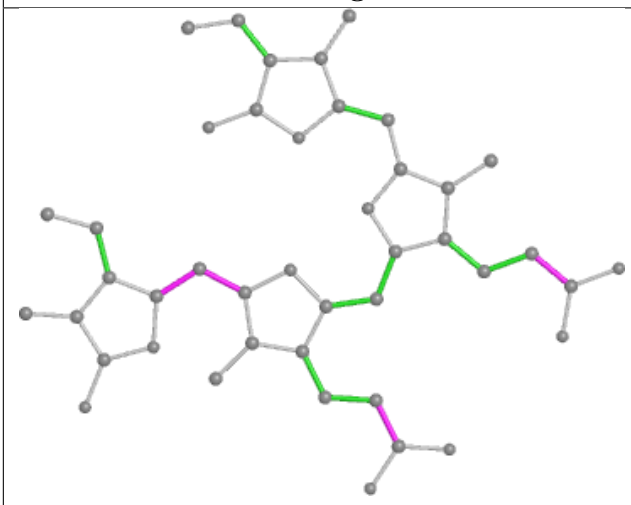

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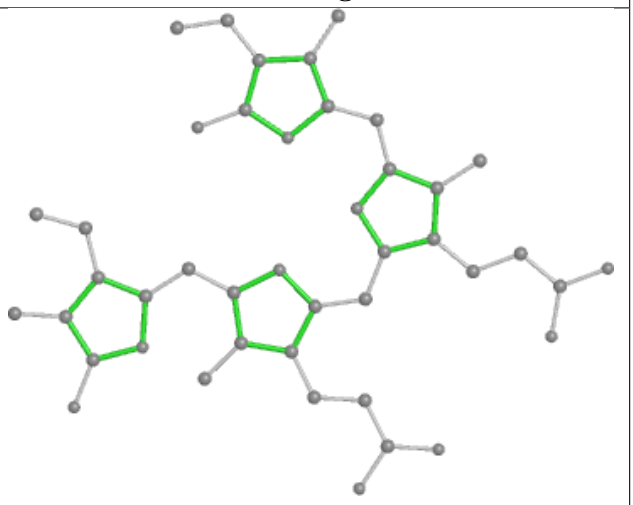
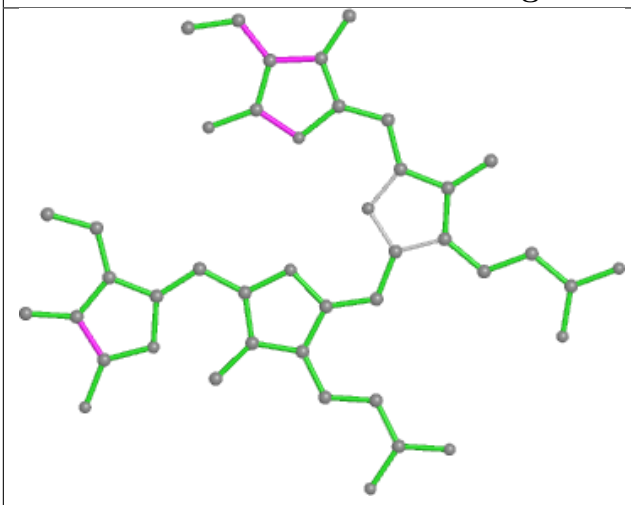


Rings

Ligand PEB s6 202



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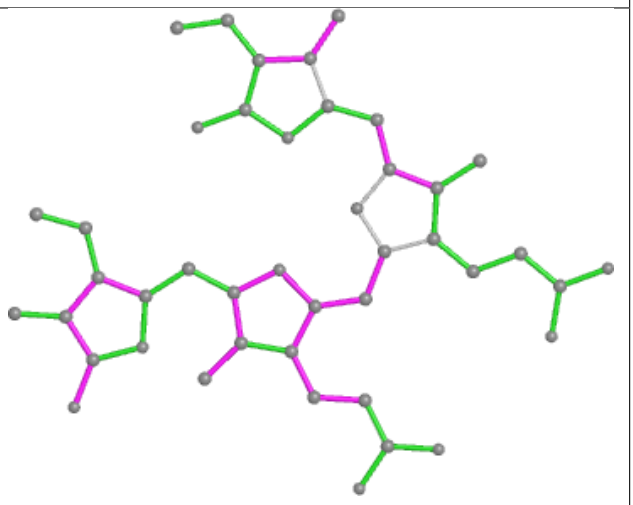

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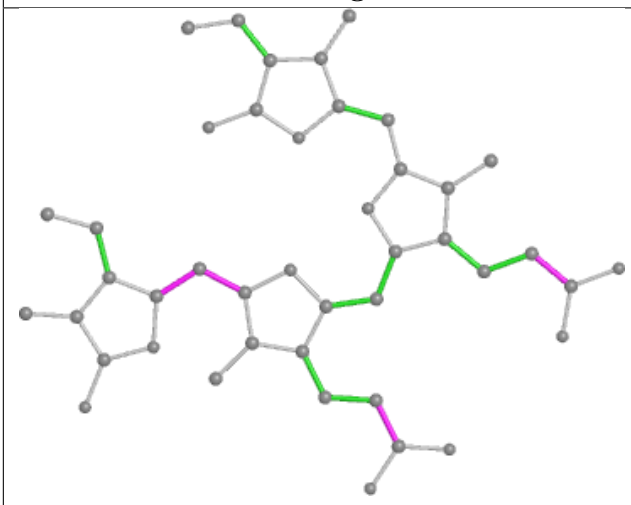

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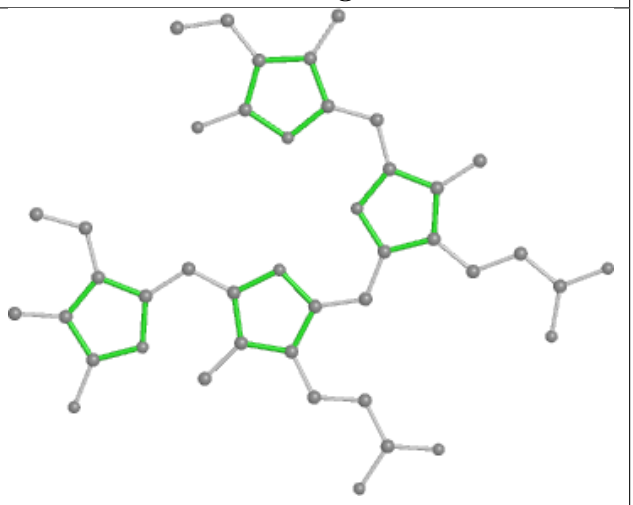

Rings

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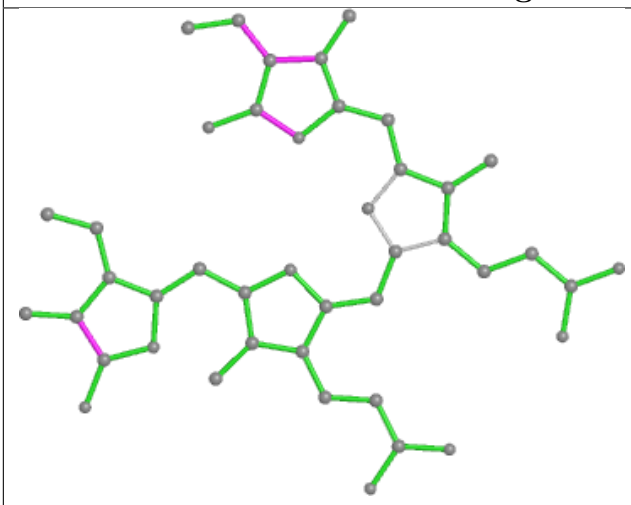

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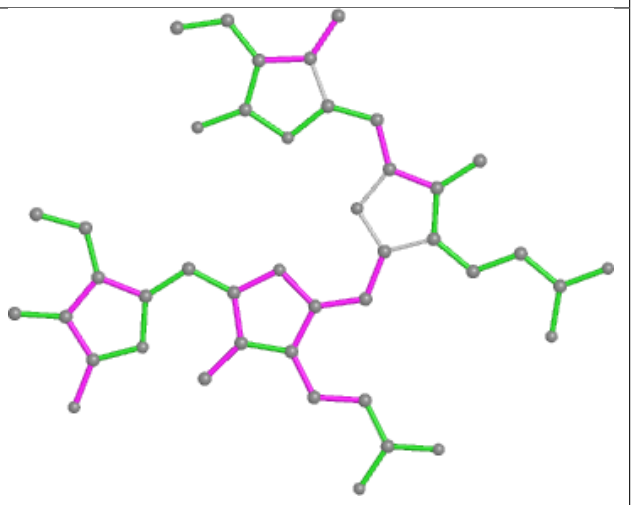

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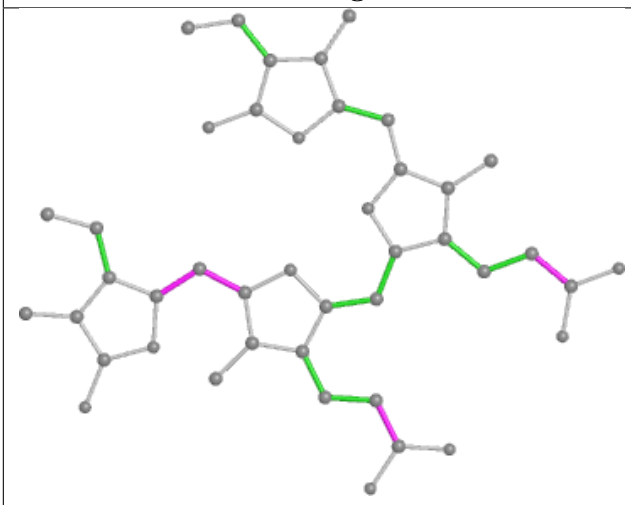

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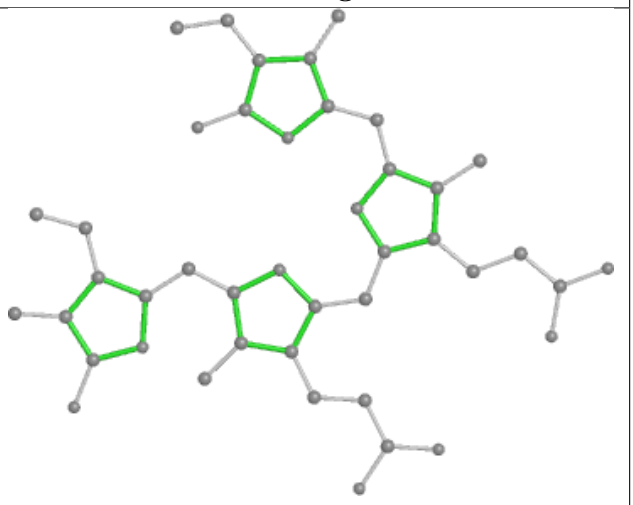

Rings

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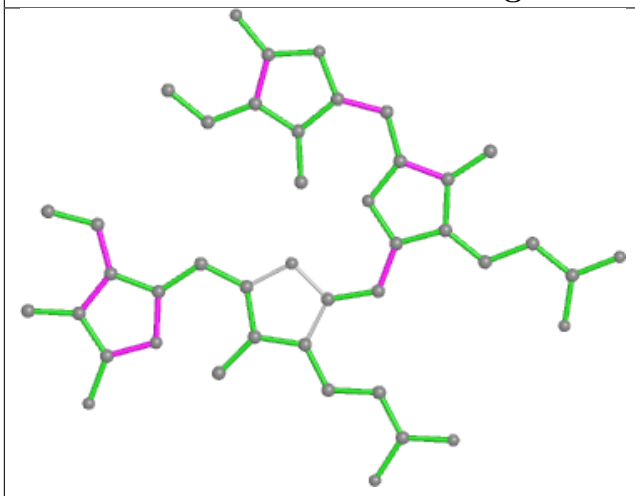

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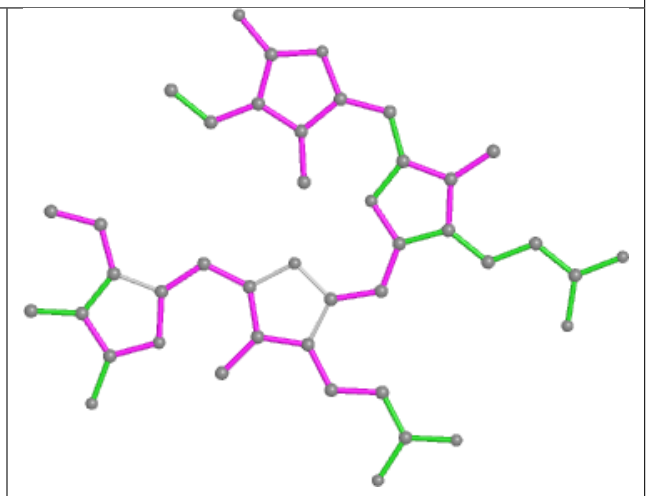

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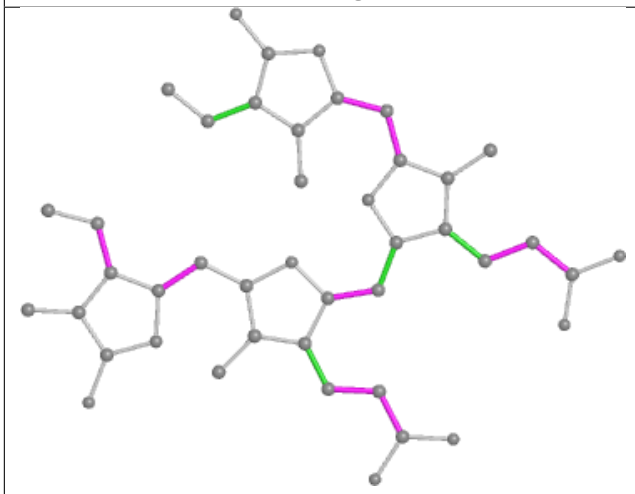

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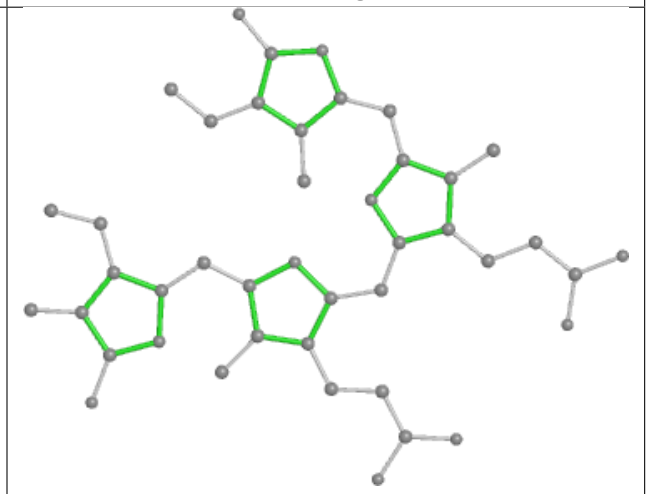

Rings

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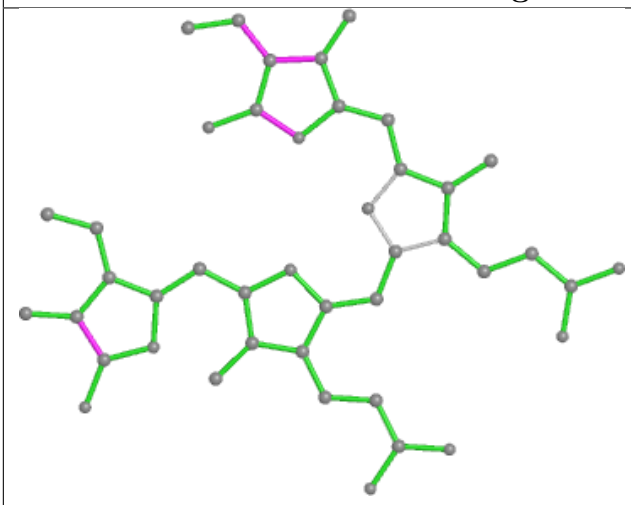

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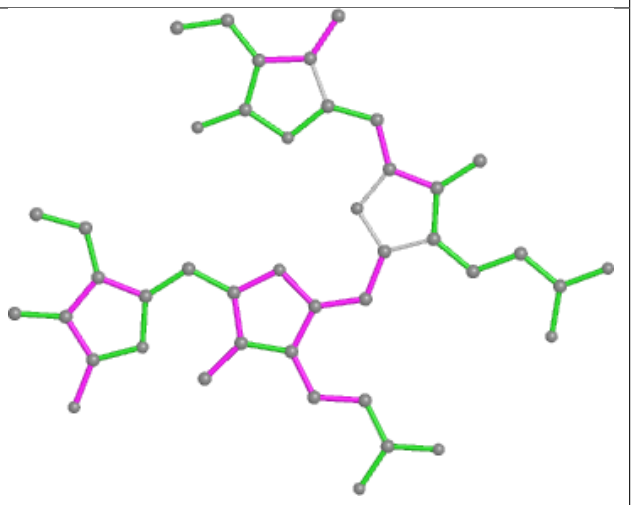

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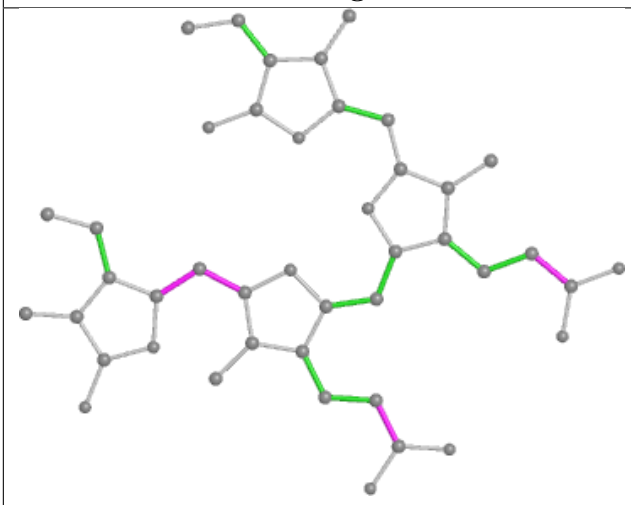

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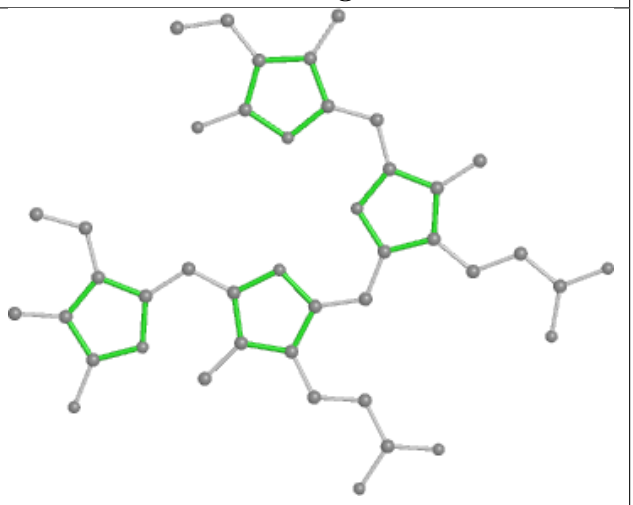

Rings

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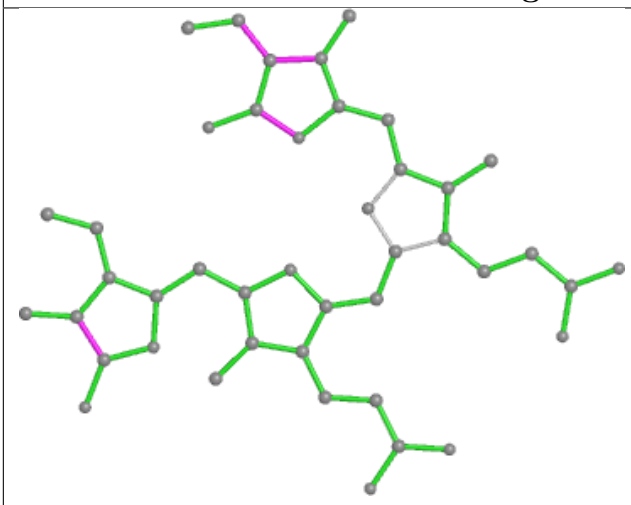

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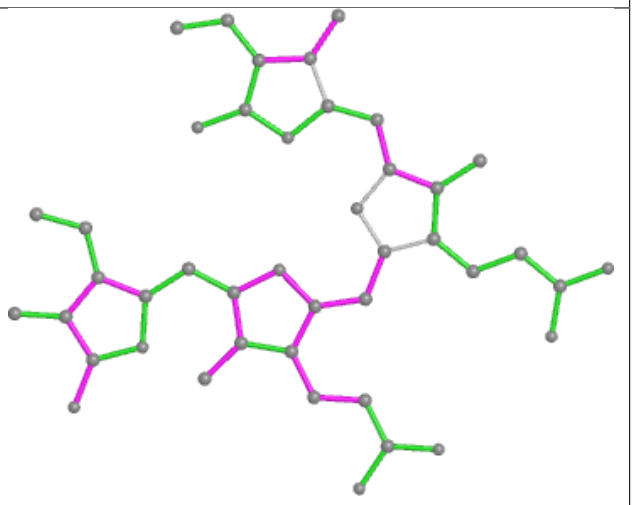

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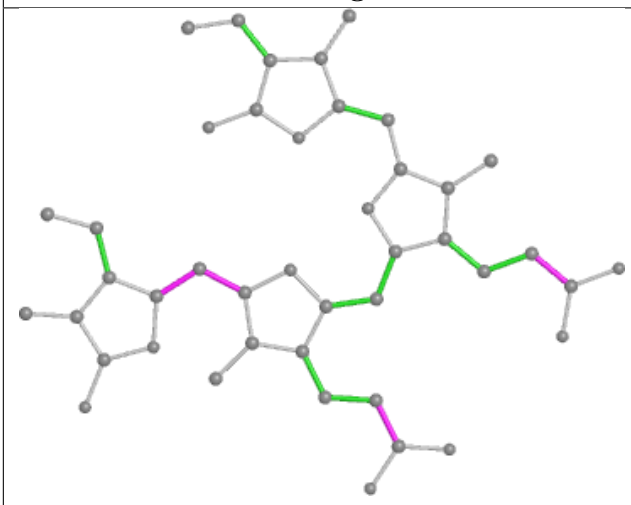

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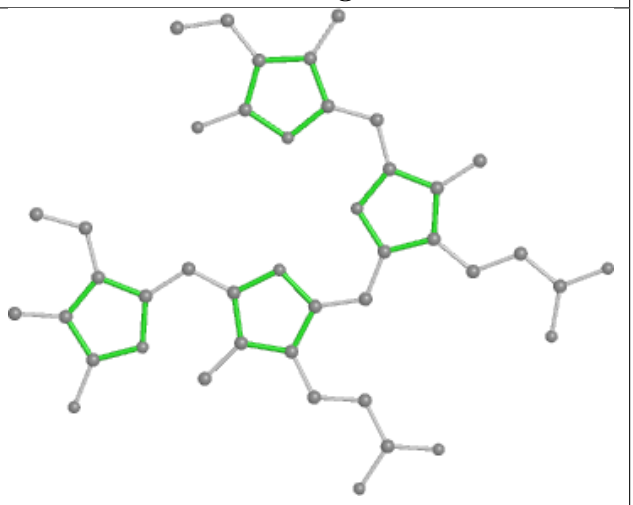

Rings

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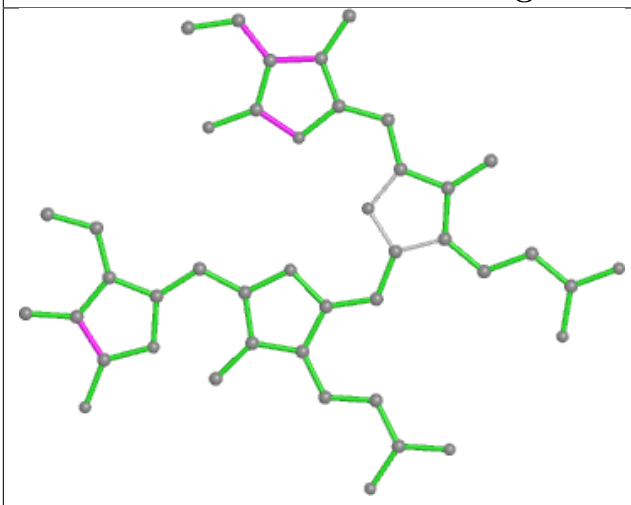

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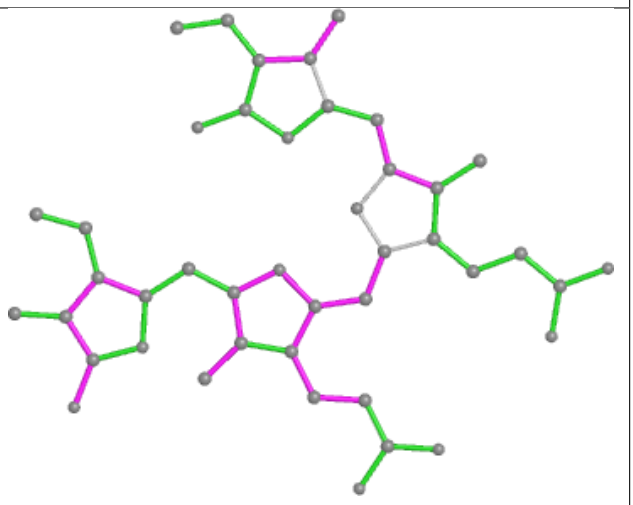

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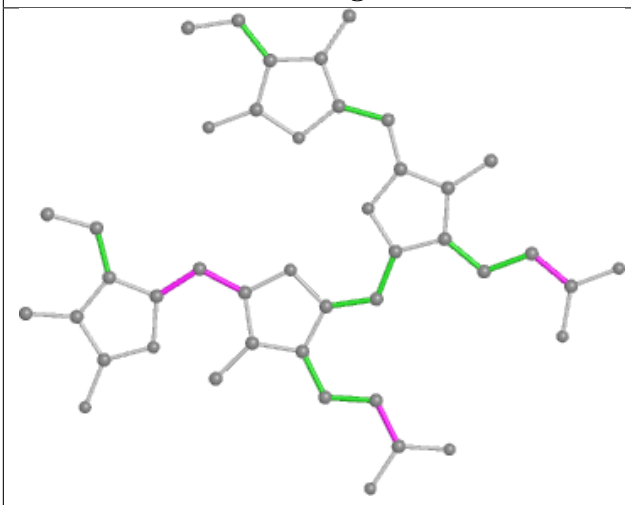

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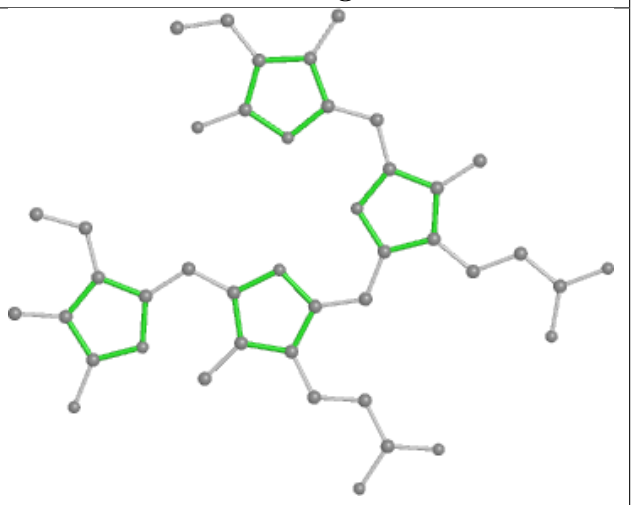
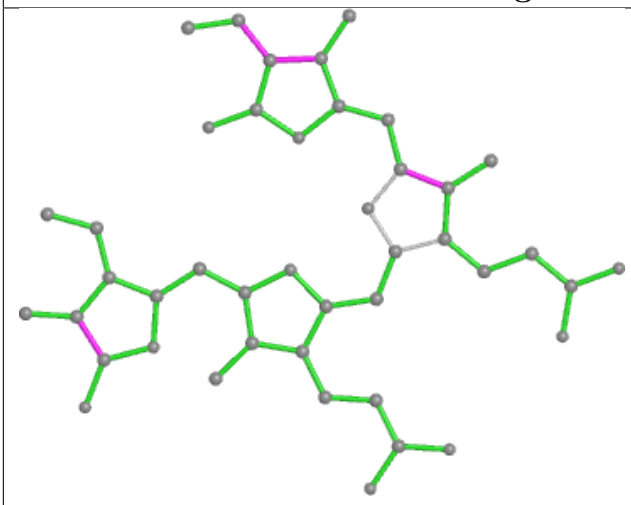


Rings

Ligand PEB hY 402



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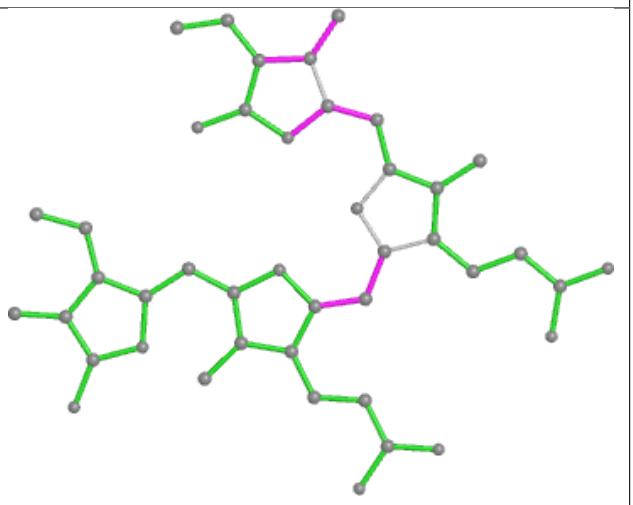

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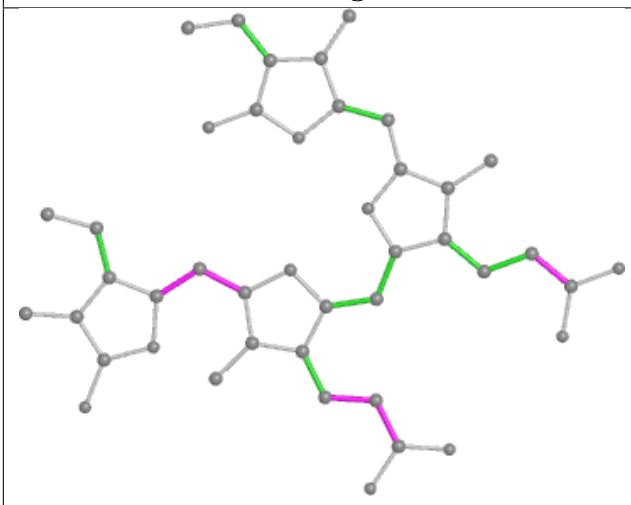

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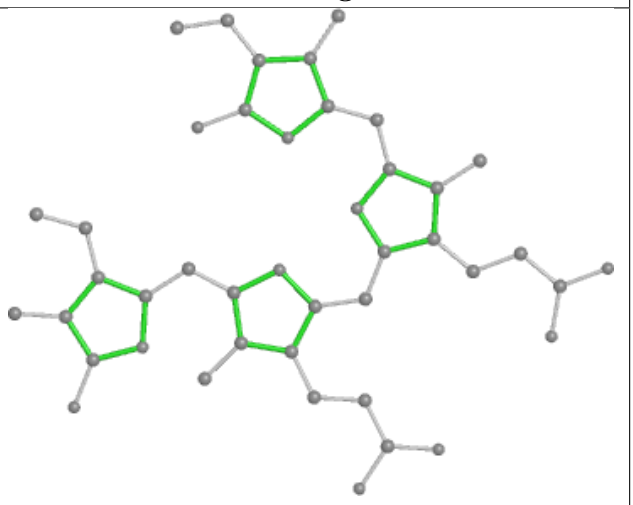

Rings

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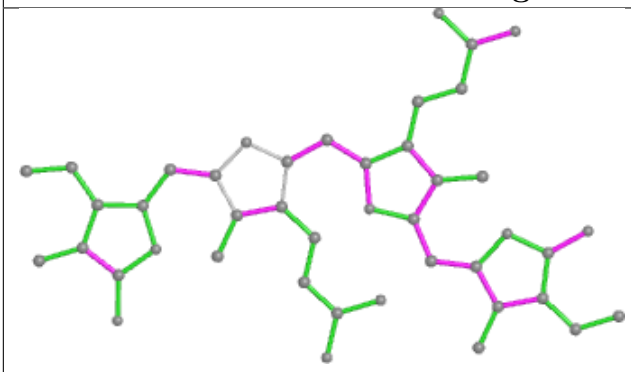

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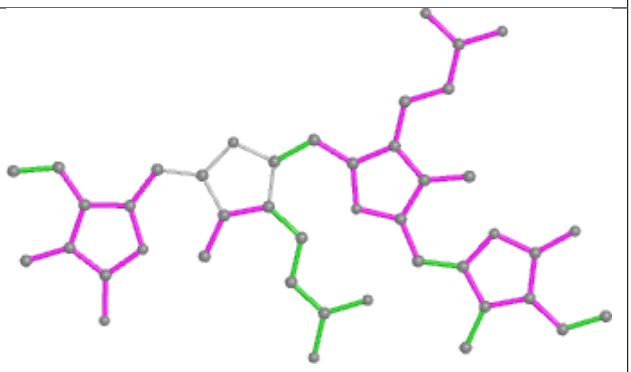
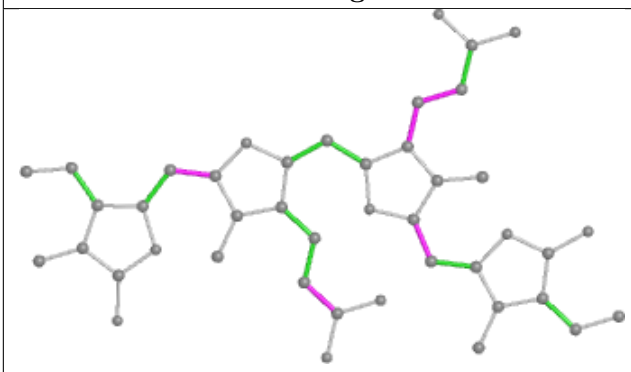
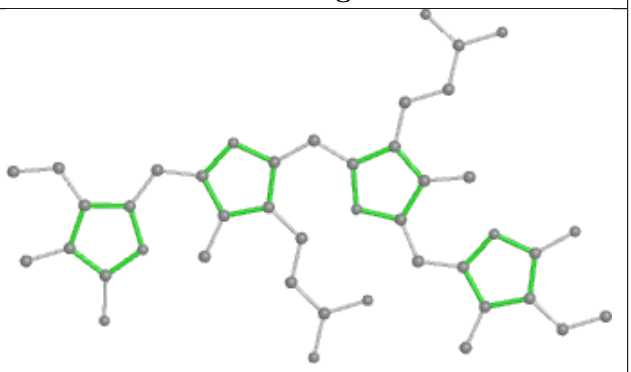


Bond angles

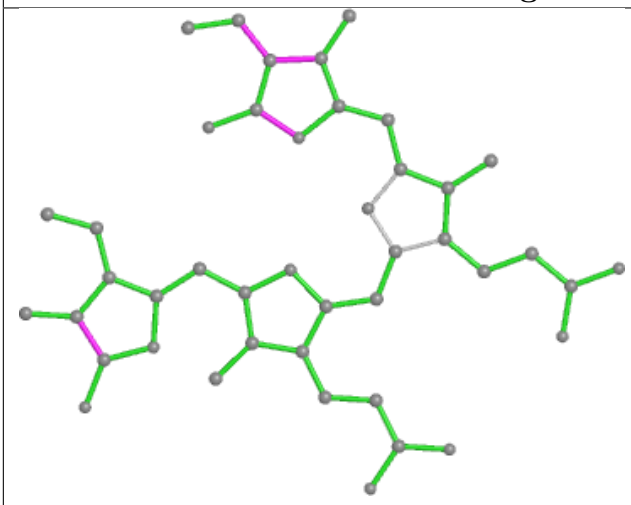


Torsions



Rings

Ligand PEB a8 601



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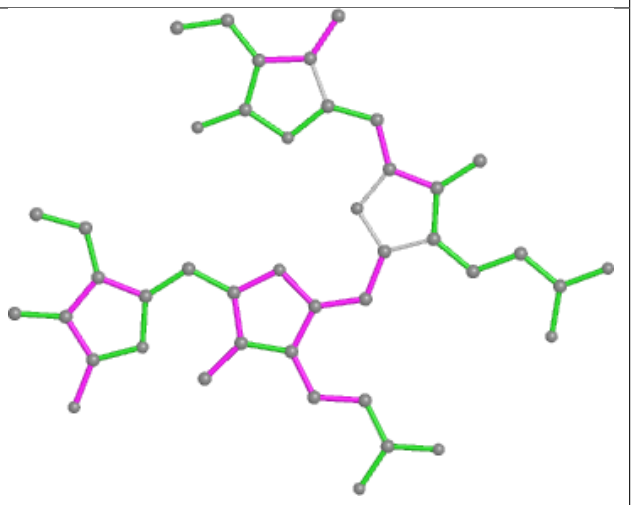

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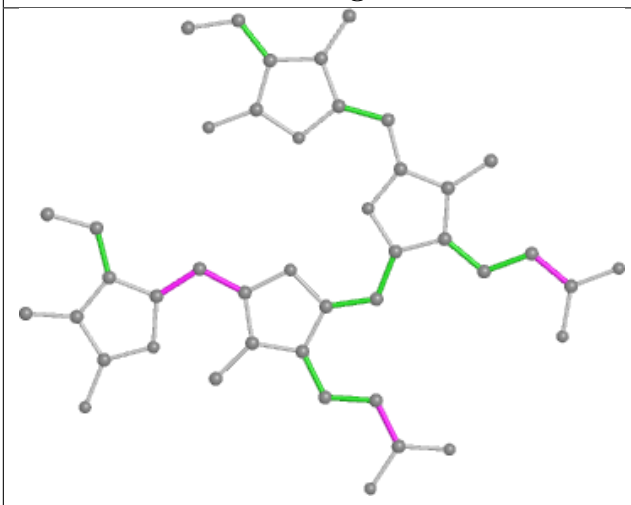

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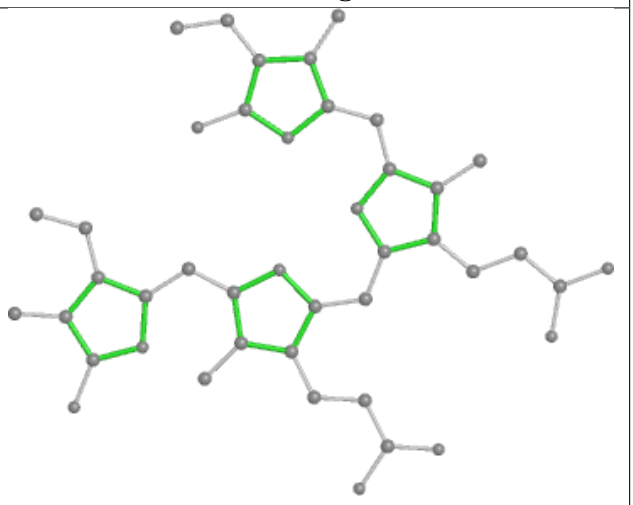
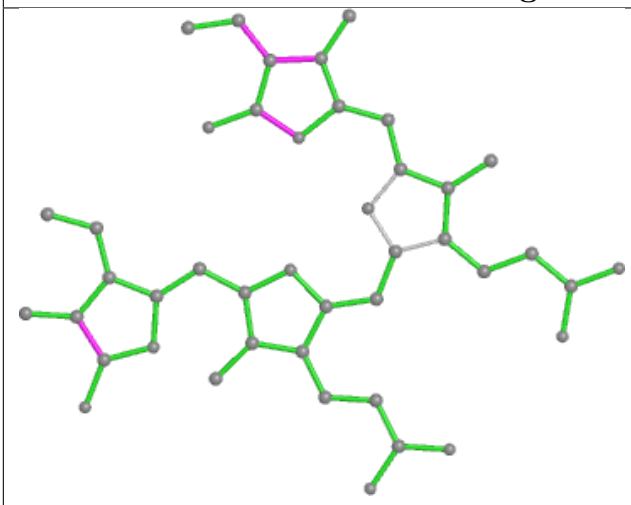


Rings

Ligand PEB g6 202



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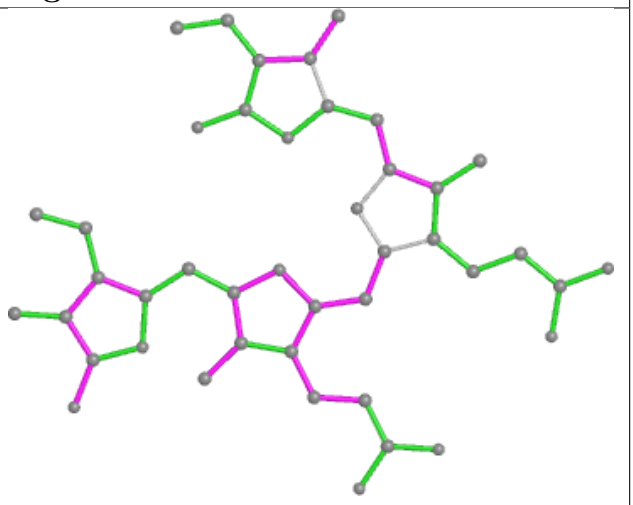

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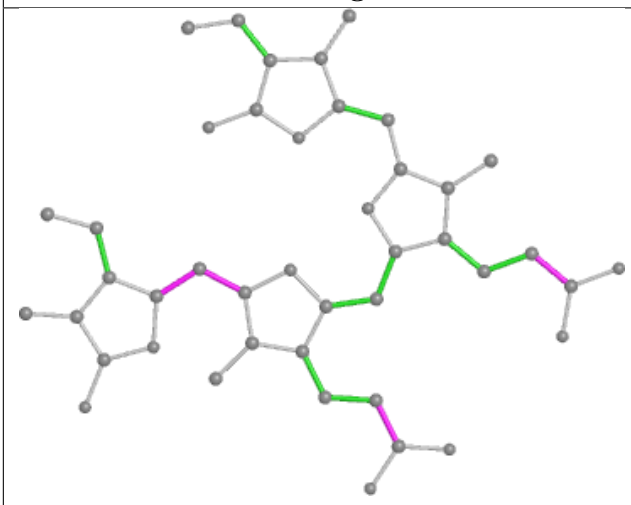

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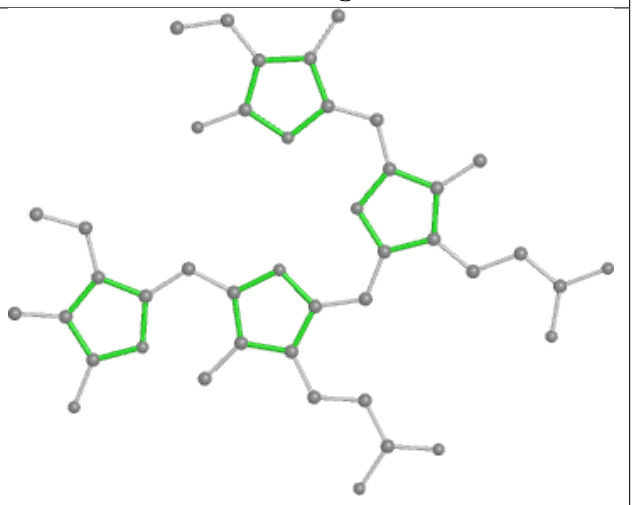
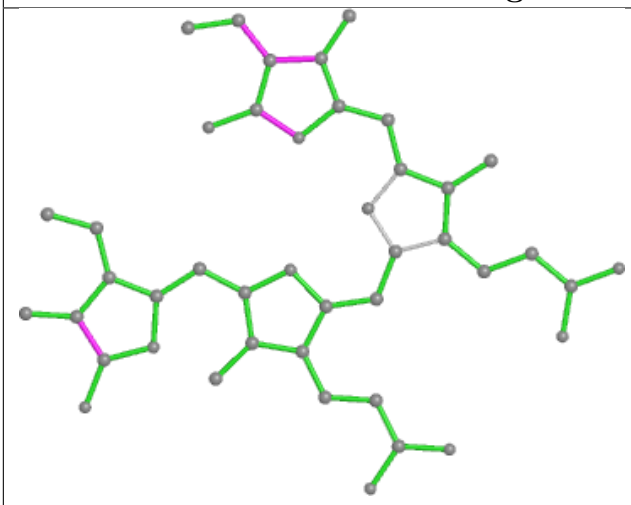


Rings

Ligand PEB aK 1002



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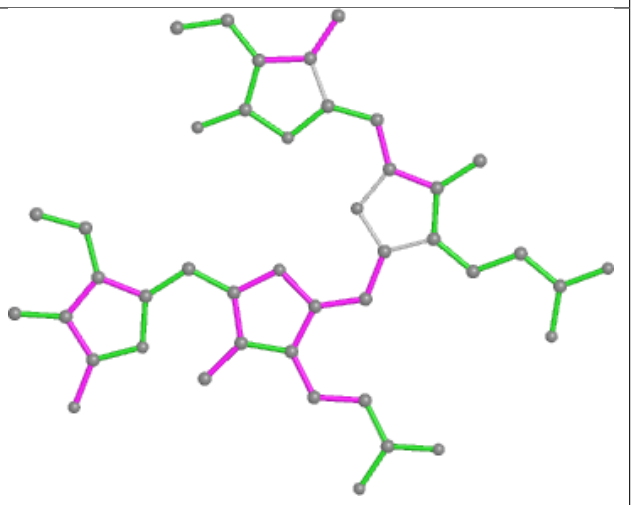
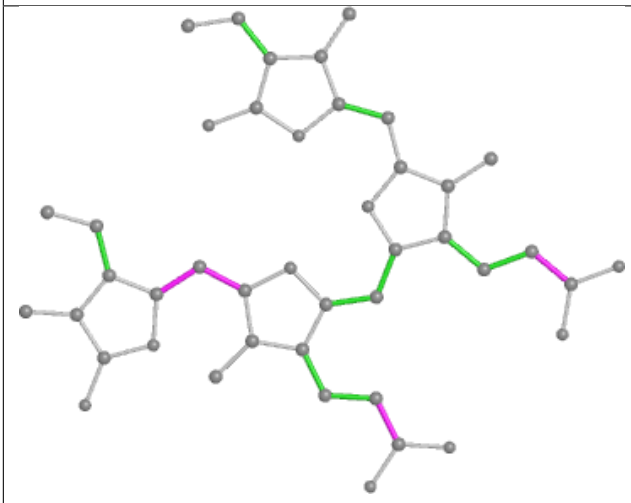


Bond angles



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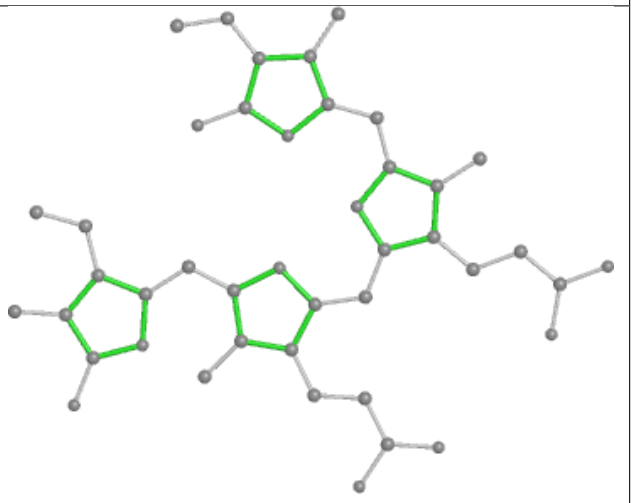
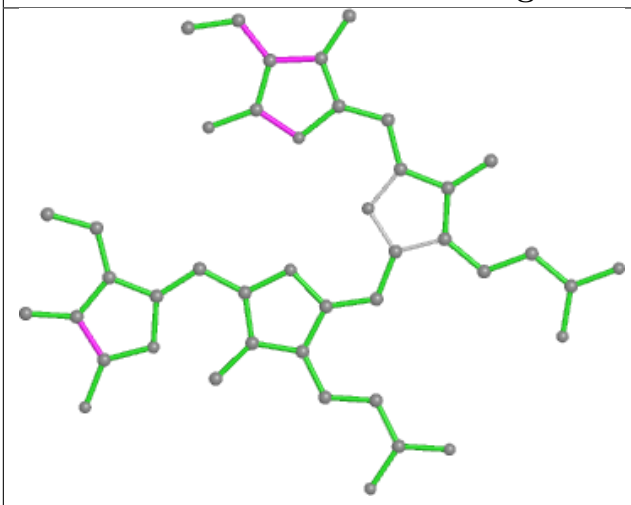


Rings

Ligand PEB dL 201



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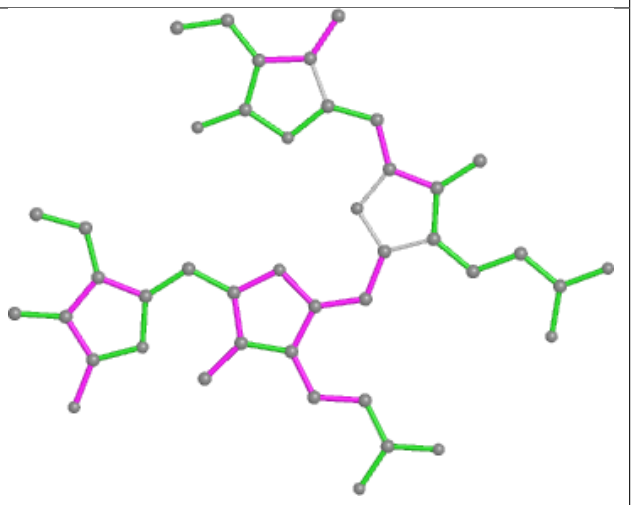

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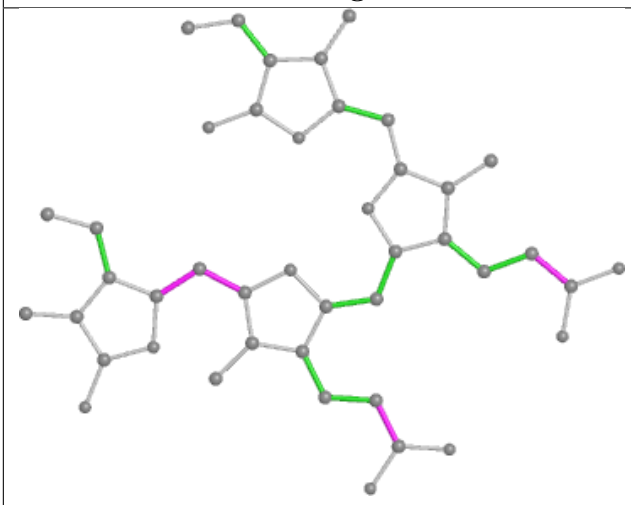

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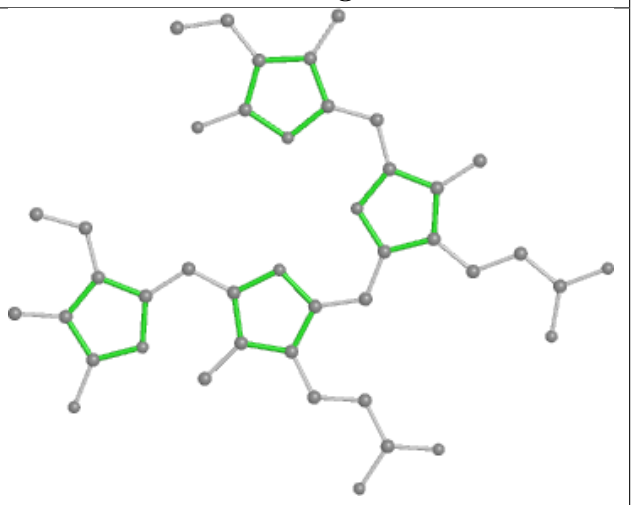
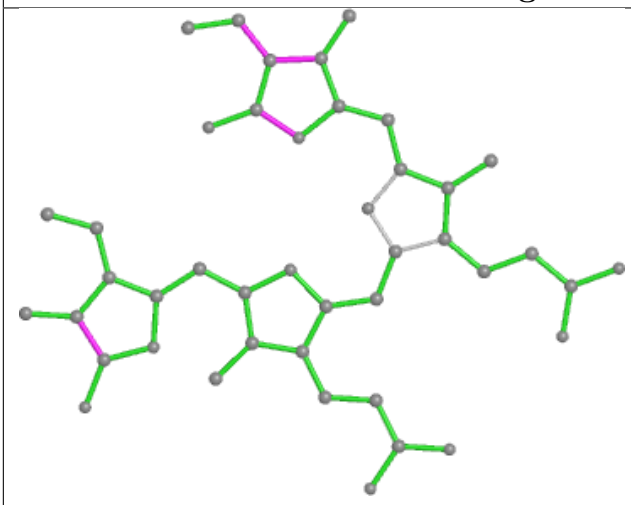


Rings

Ligand PEB gh 201



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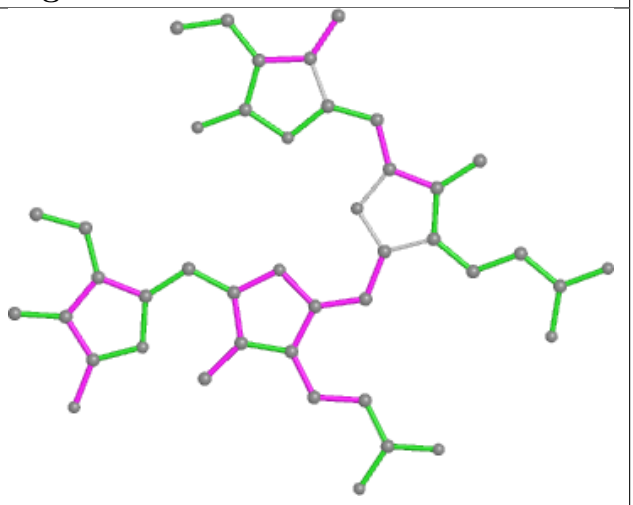

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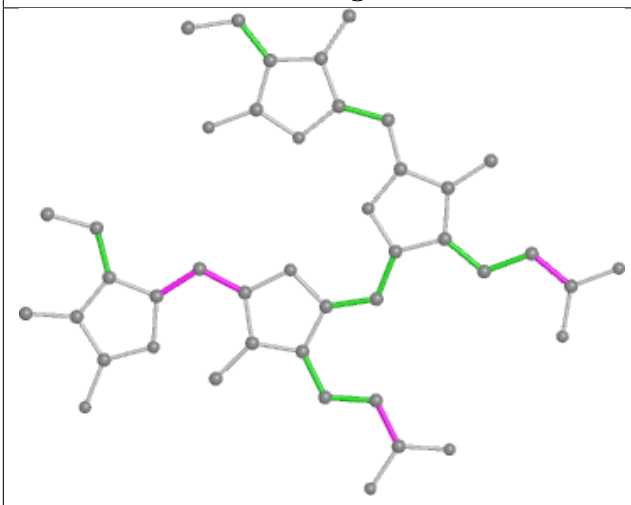

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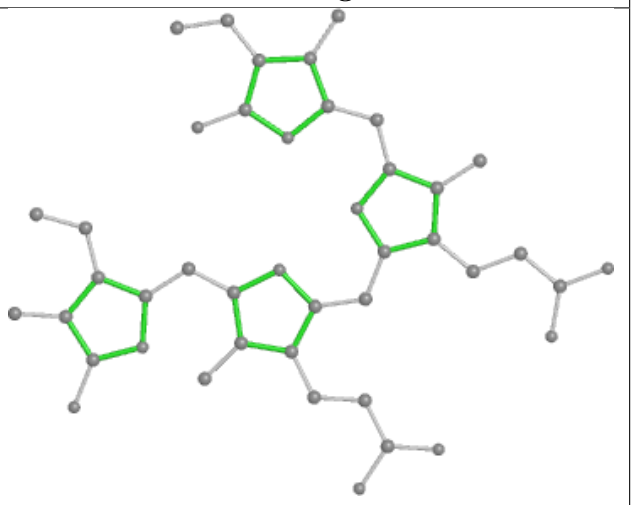
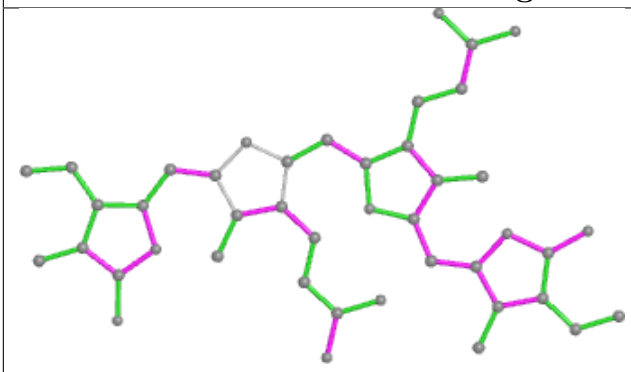


Rings

Ligand CYC p1 201



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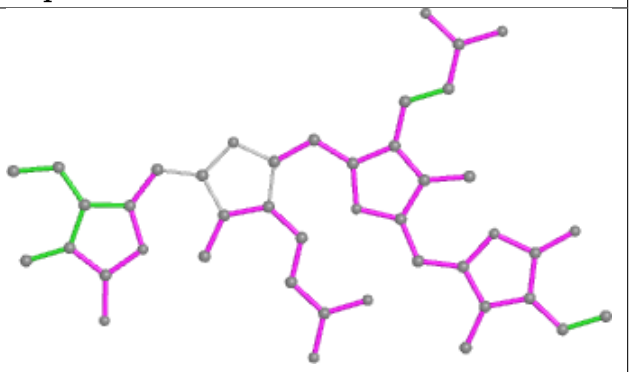

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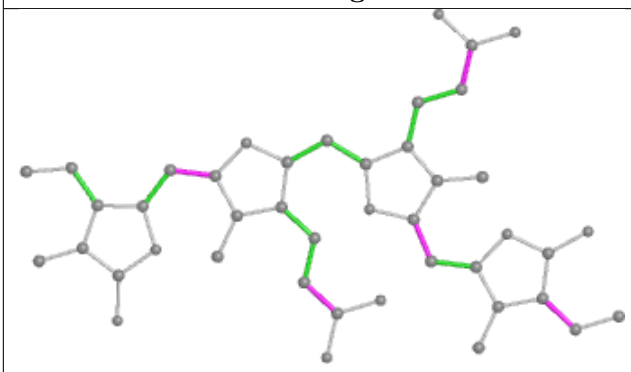

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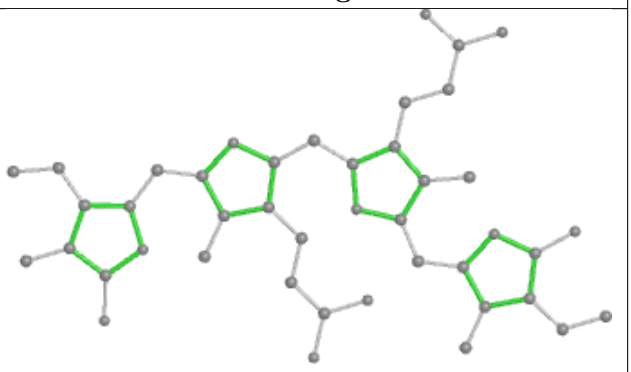
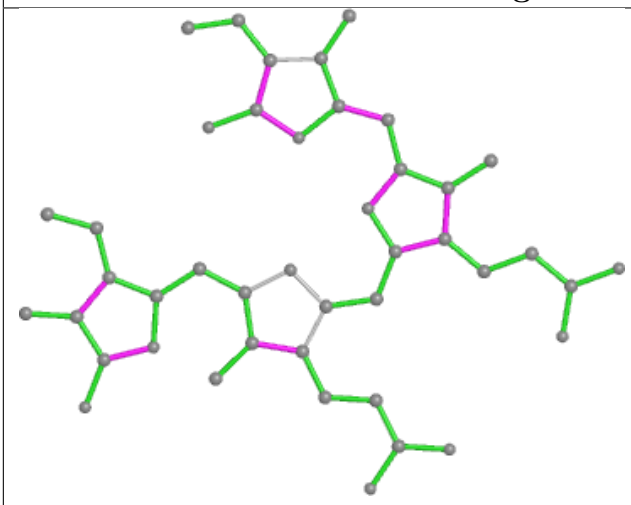


Rings

Ligand PUB D5 203



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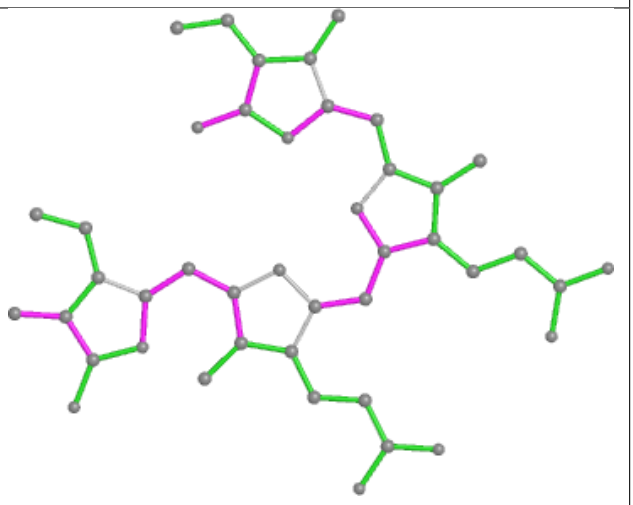

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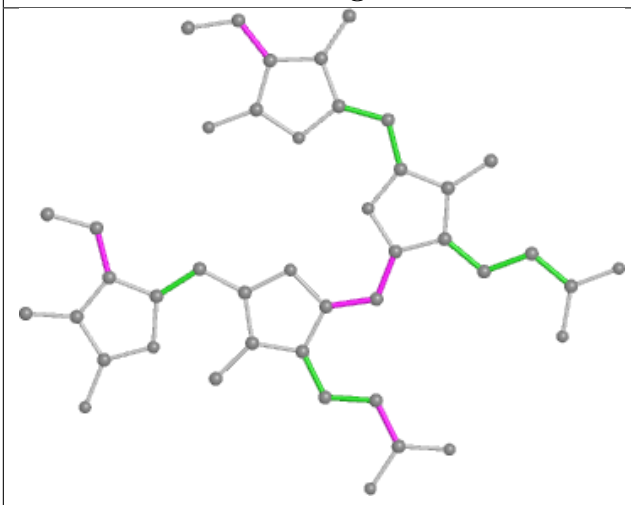

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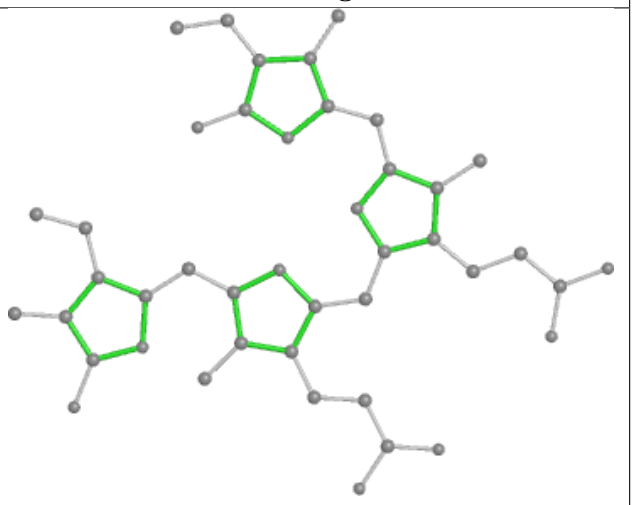
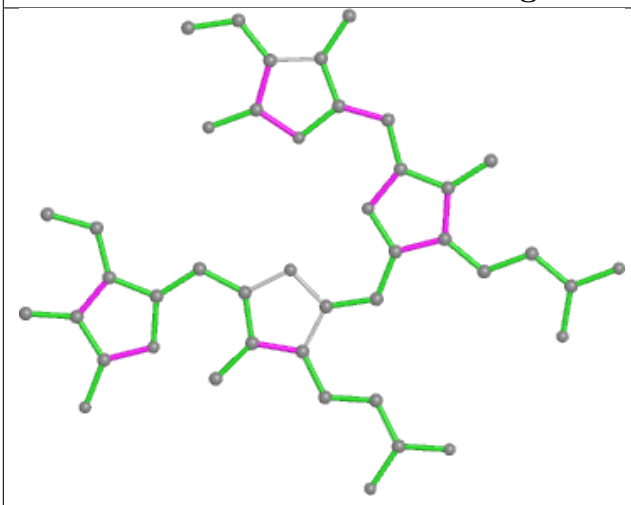


Rings

Ligand PUB ec 203



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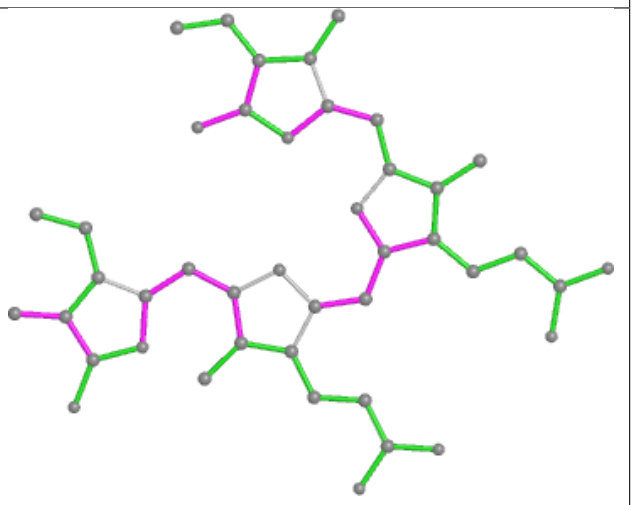

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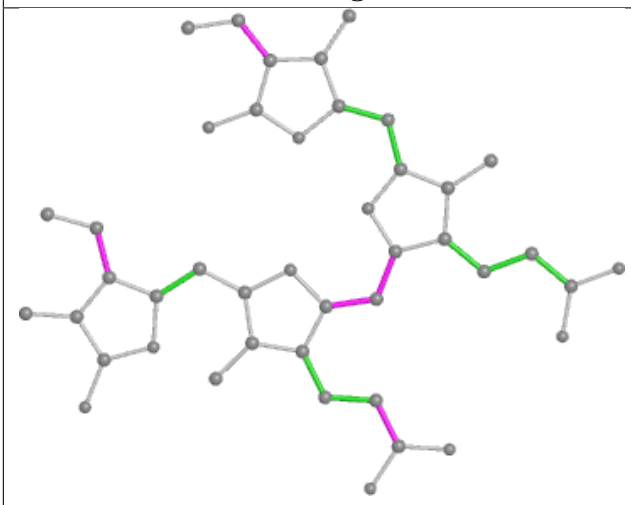

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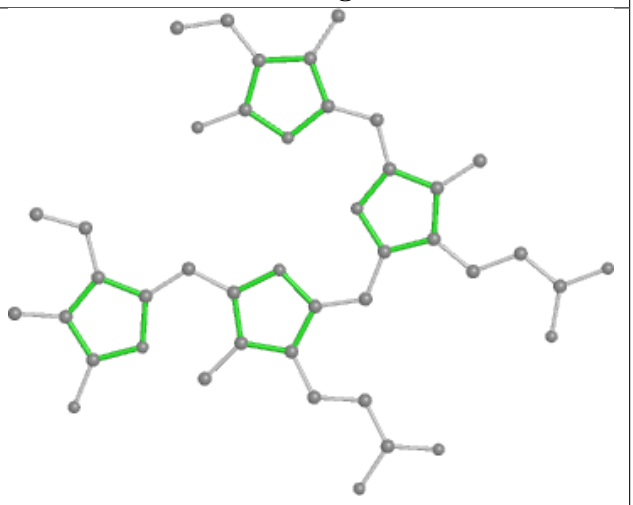

Rings

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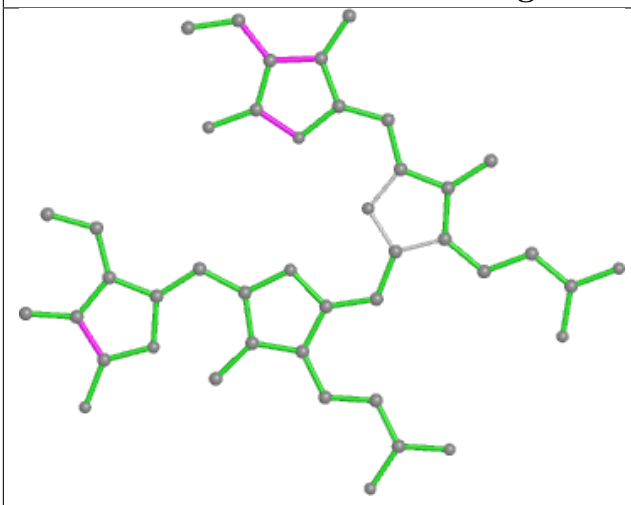

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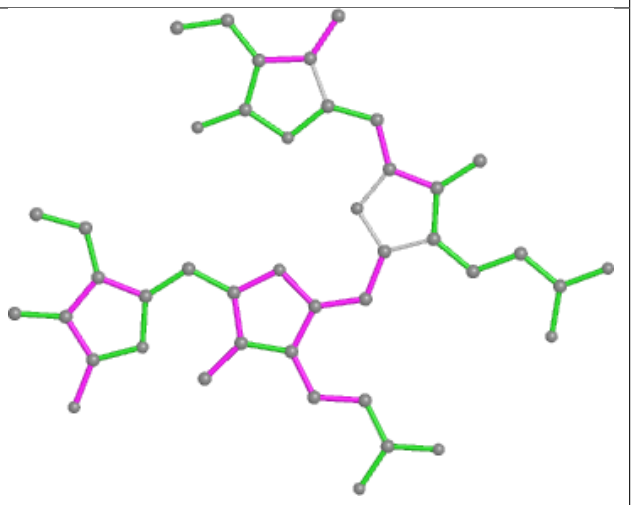

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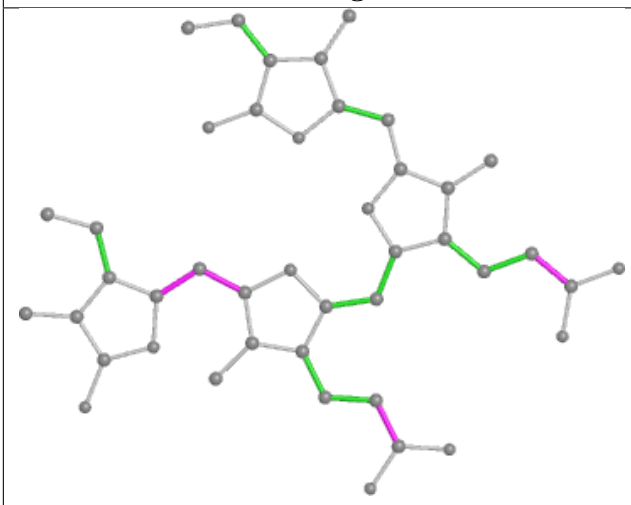

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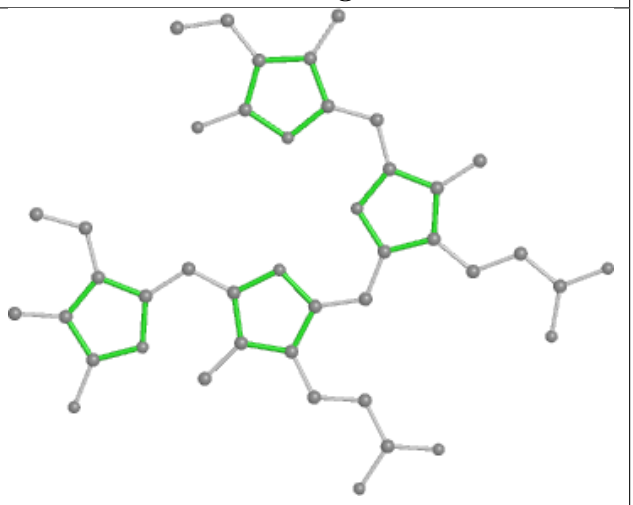
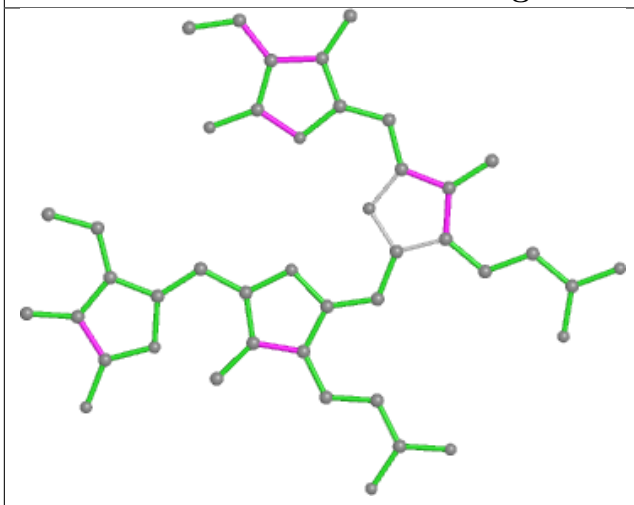


Rings

Ligand PEB jP 1002



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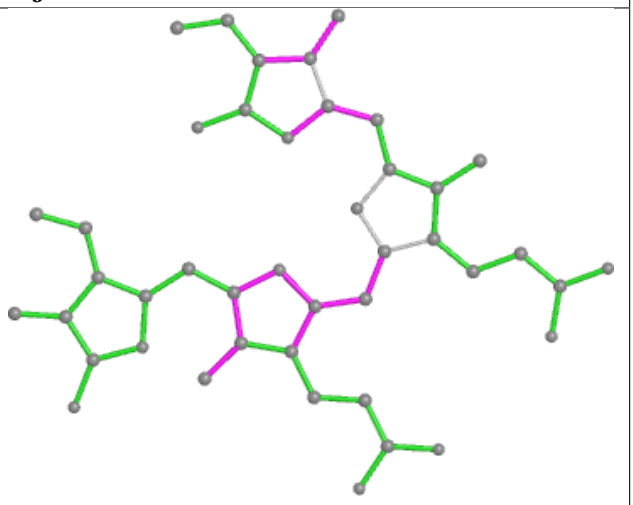

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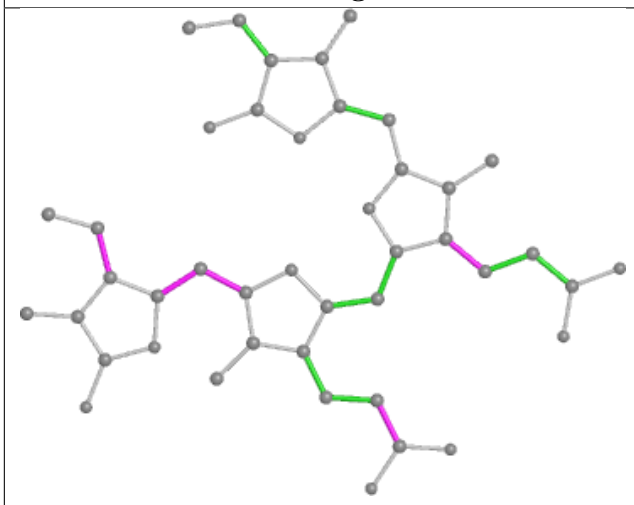

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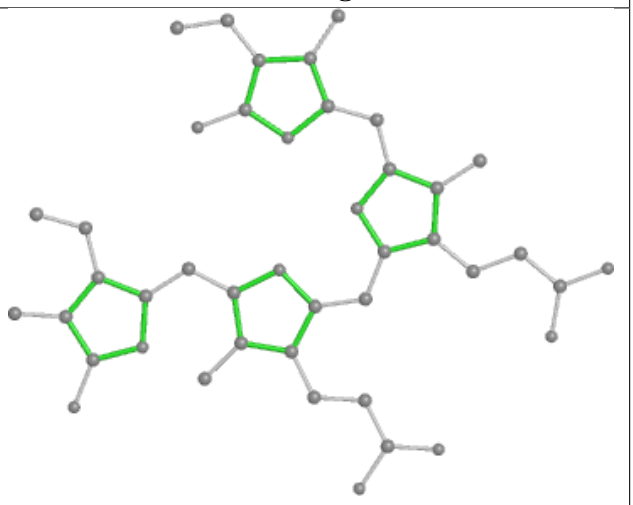

Rings

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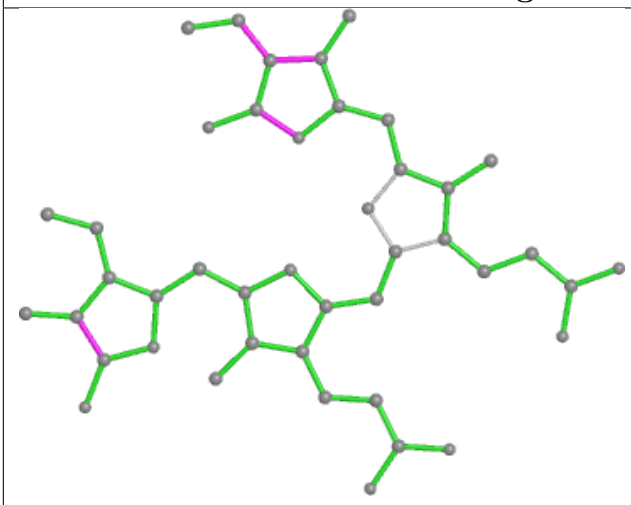

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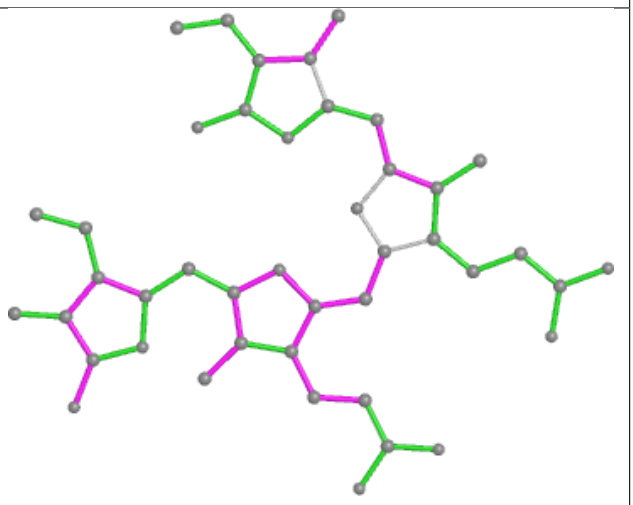

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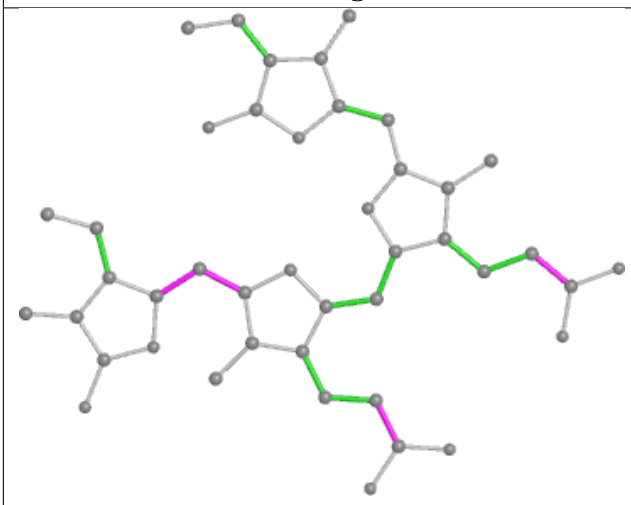

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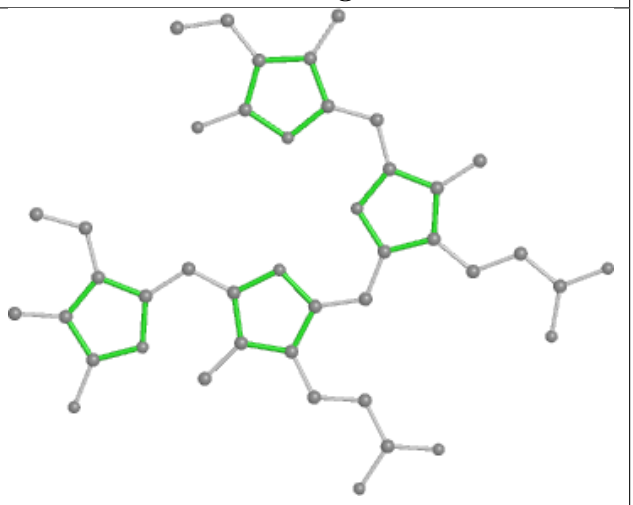

Rings

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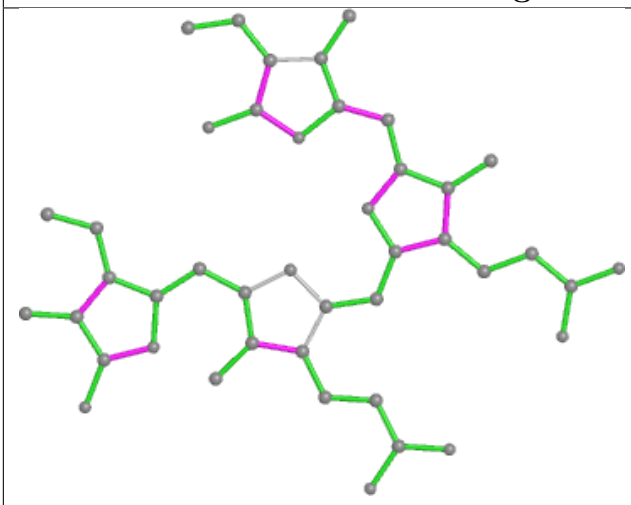

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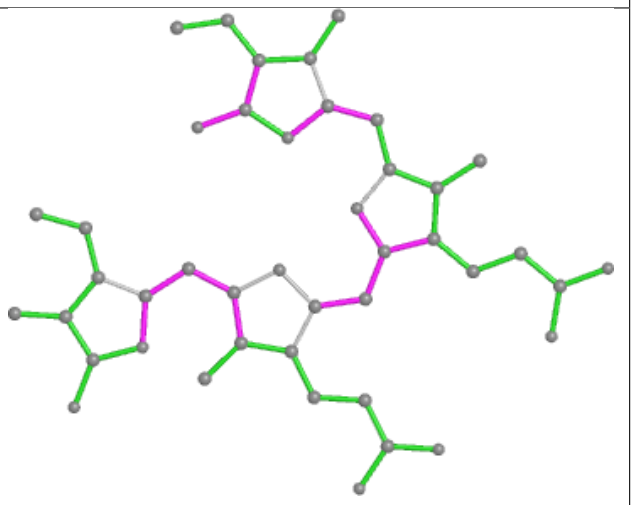

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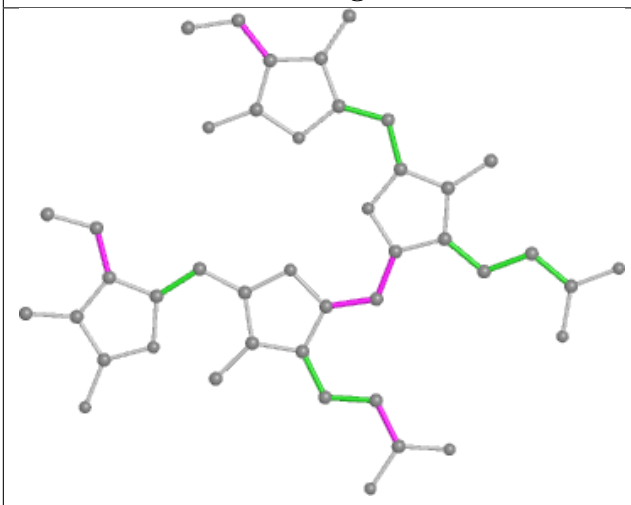

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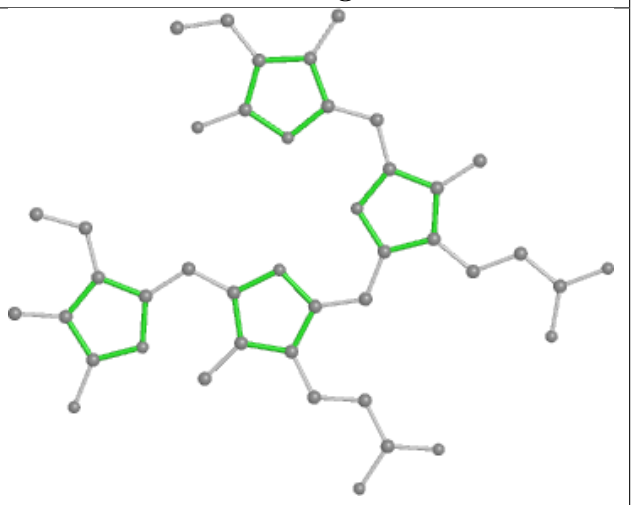

Rings

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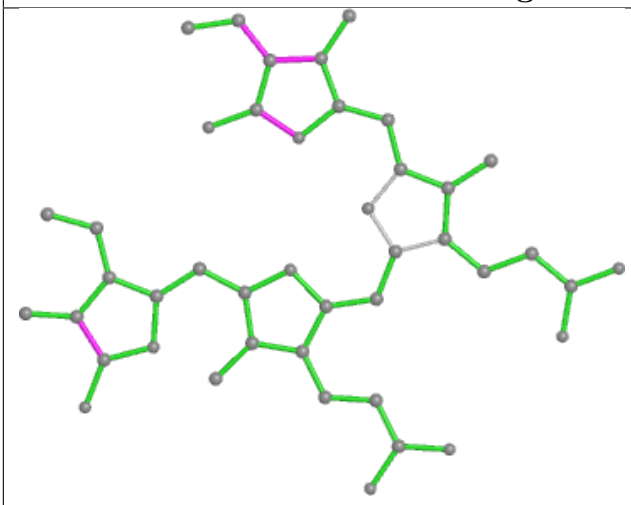

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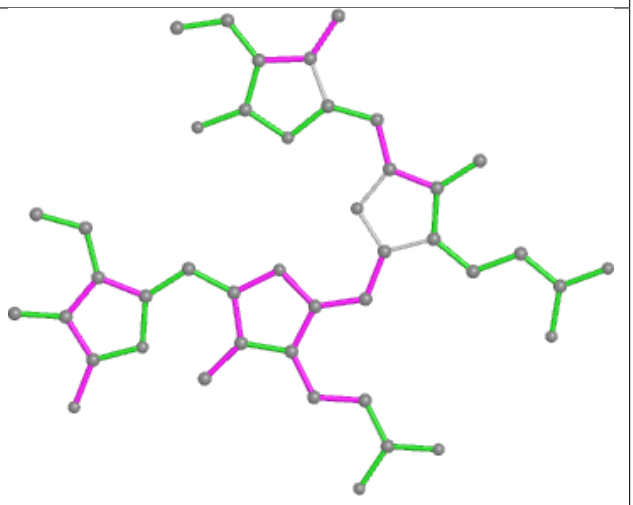
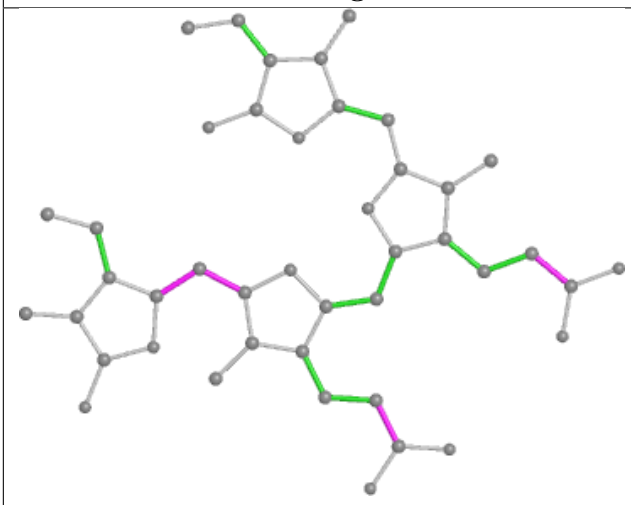
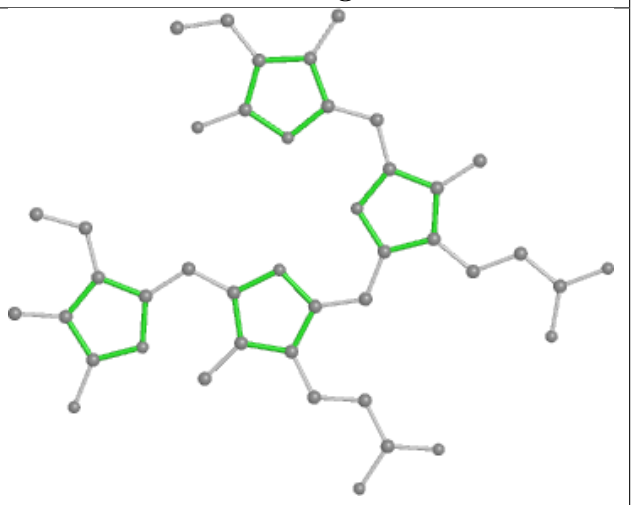


Bond angles

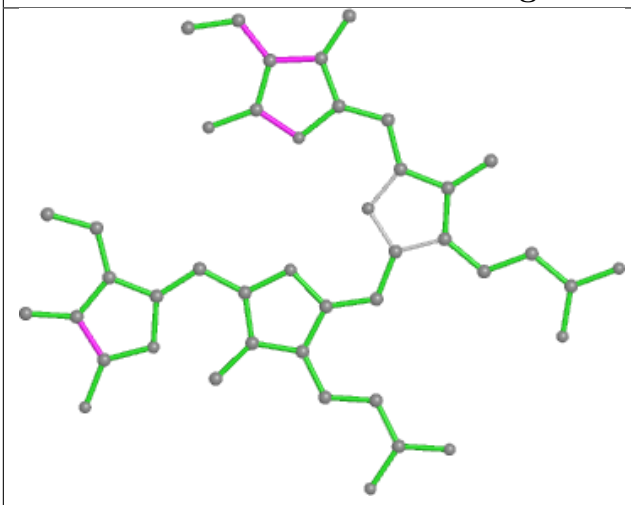


Torsions



Rings

Ligand PEB v9 201



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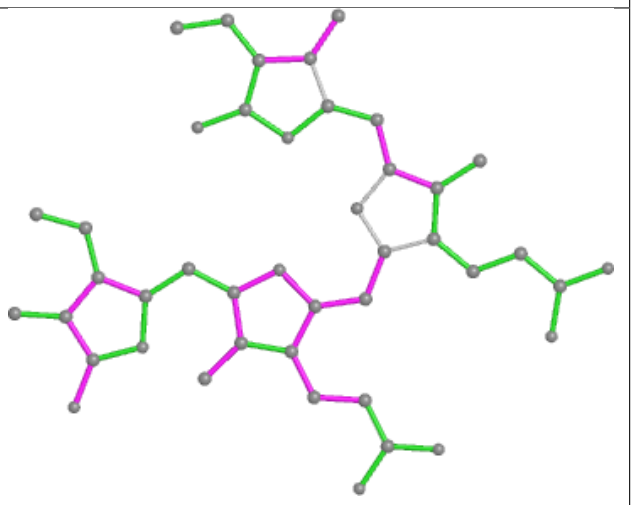
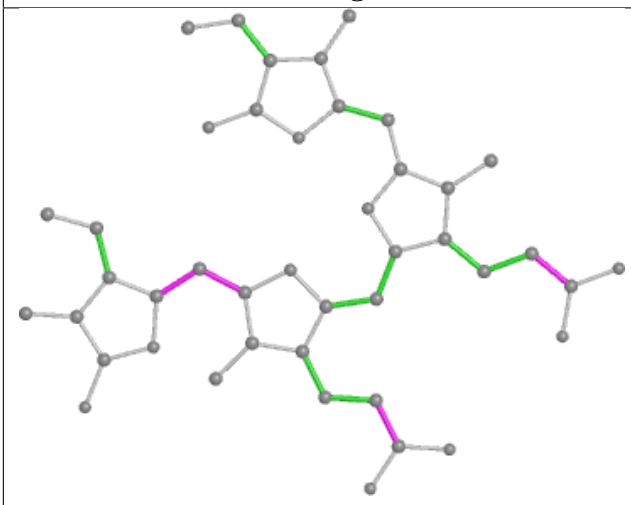


Bond angles



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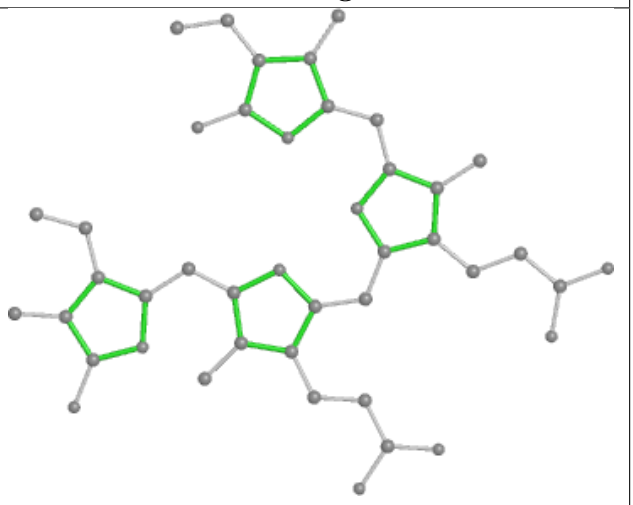
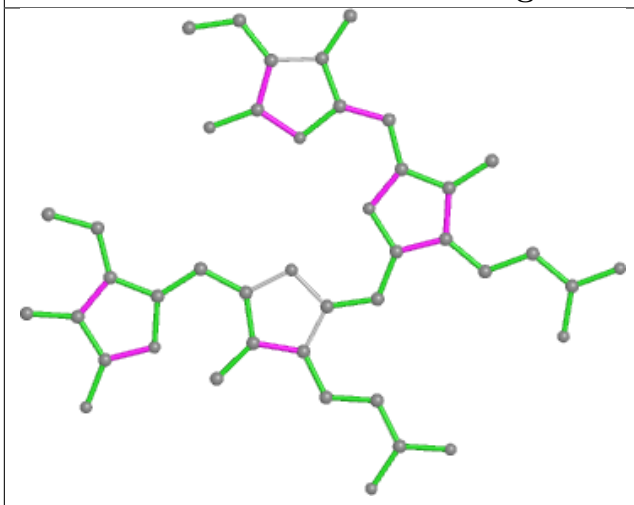


Rings

Ligand PUB Z5 306



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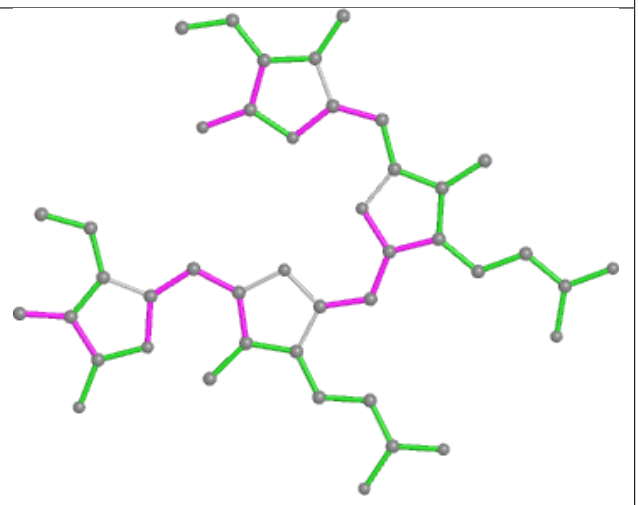

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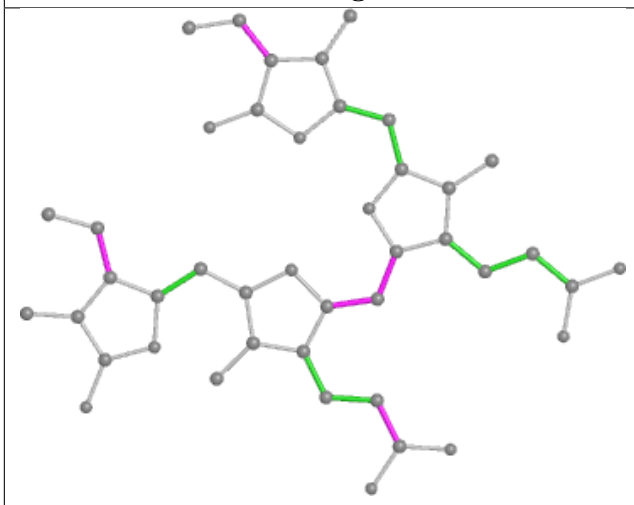

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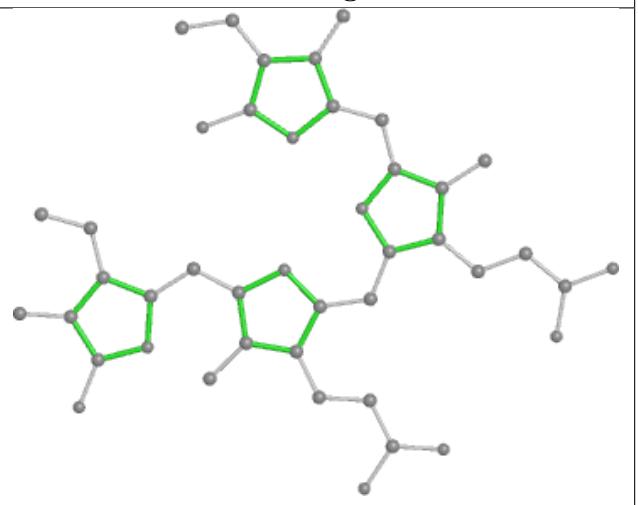
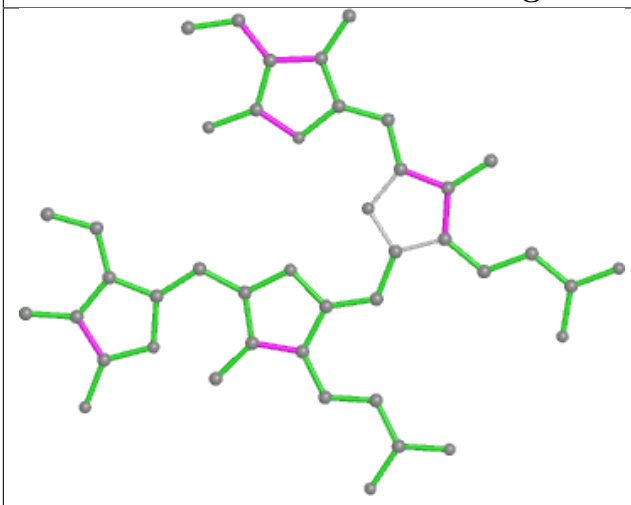


Rings

Ligand PEB lp 202



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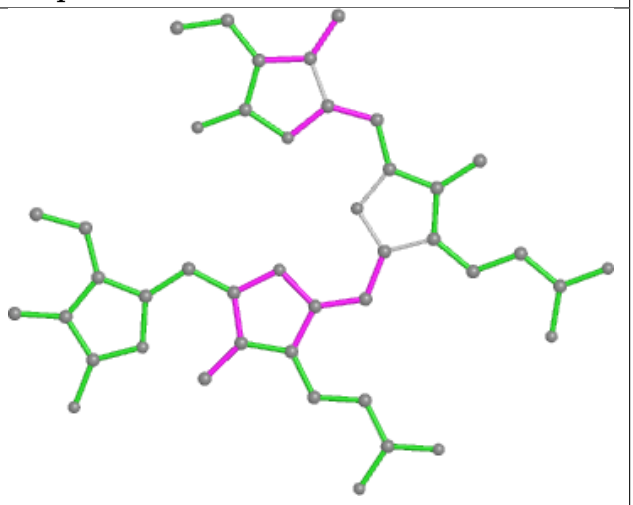

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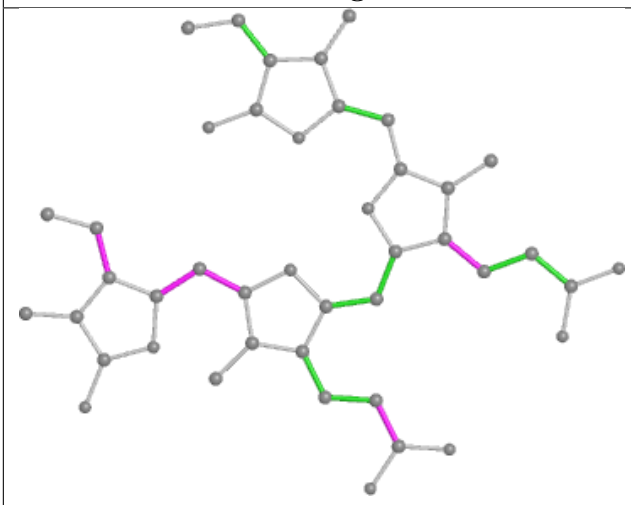

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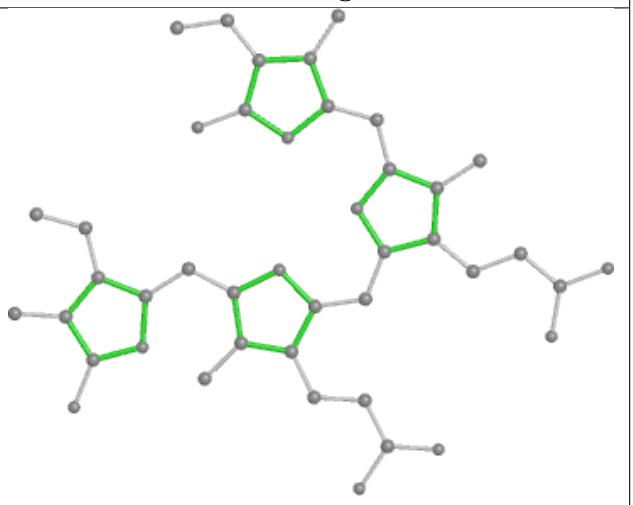
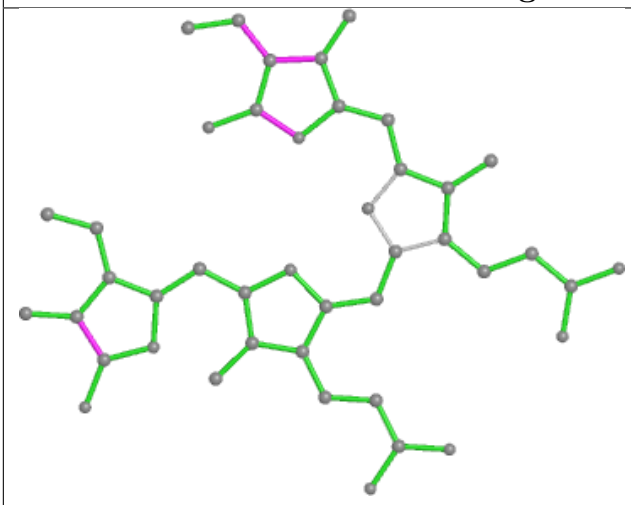


Rings

Ligand PEB b9 402



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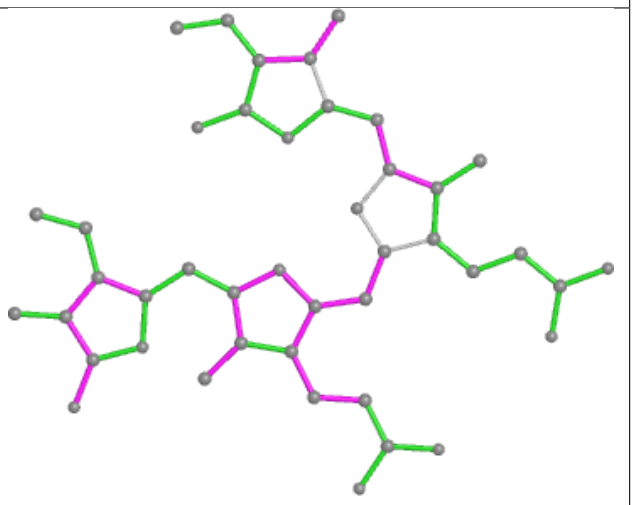

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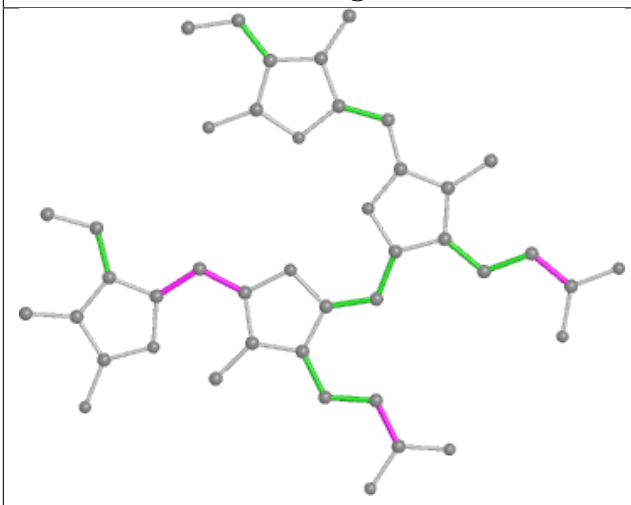

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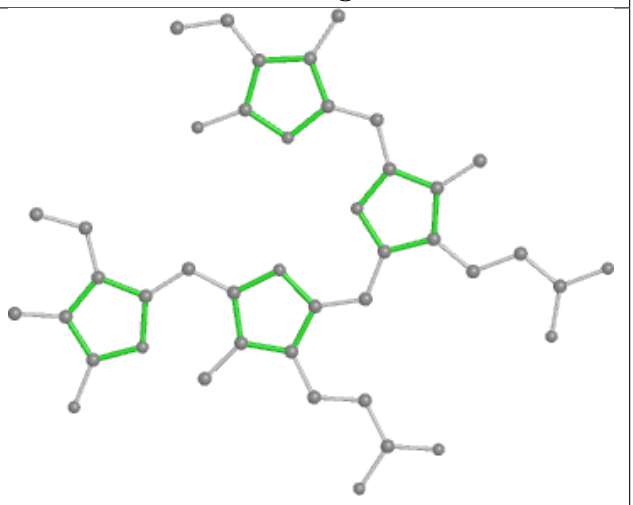
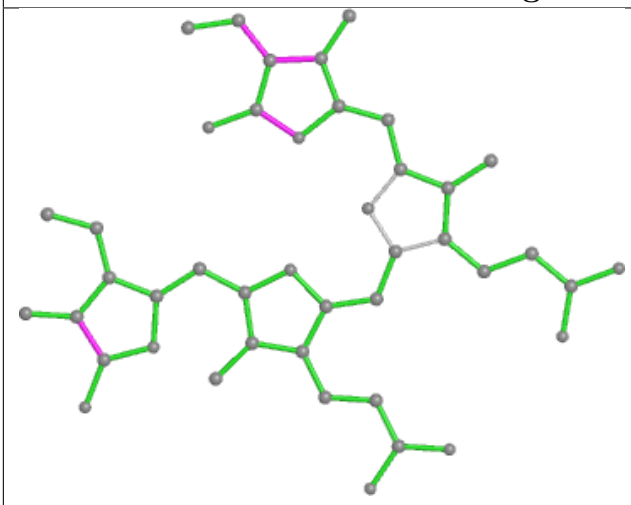


Rings

Ligand PEB lb 201



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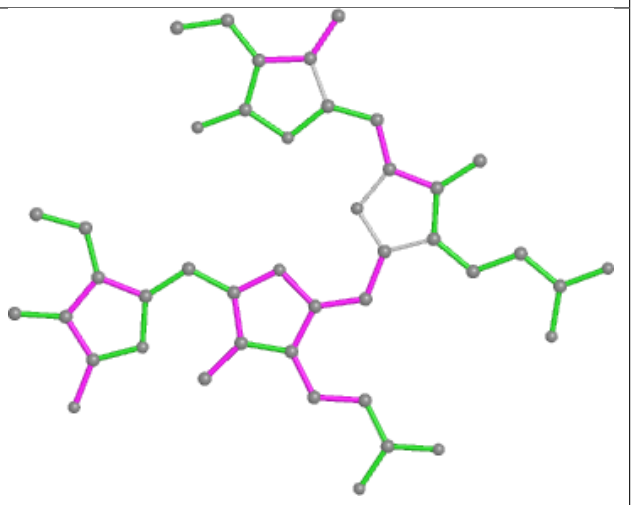

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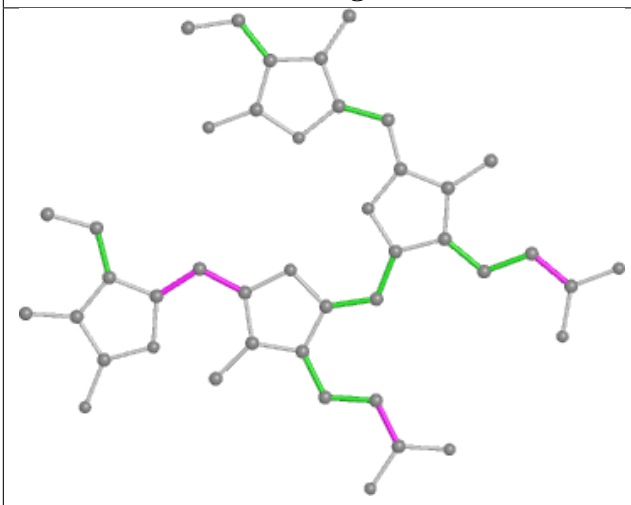

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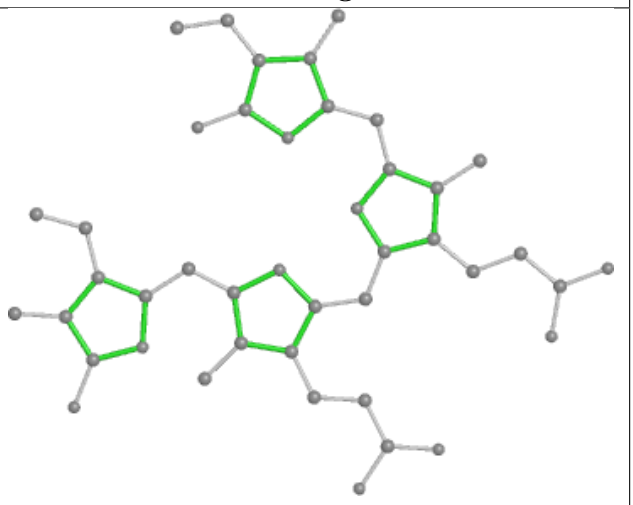
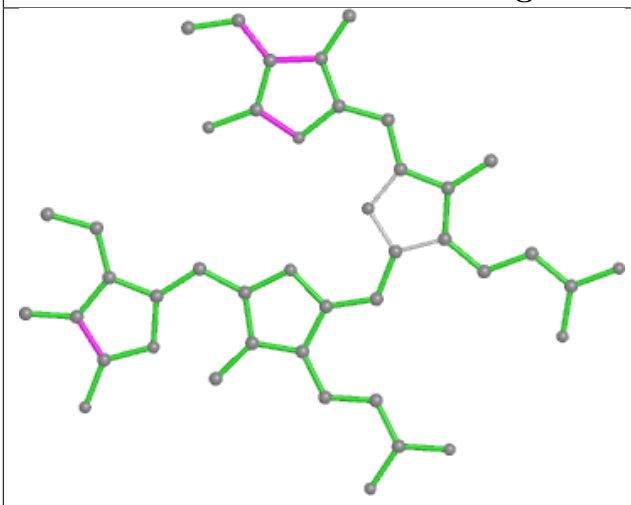


Rings

Ligand PEB C6 202



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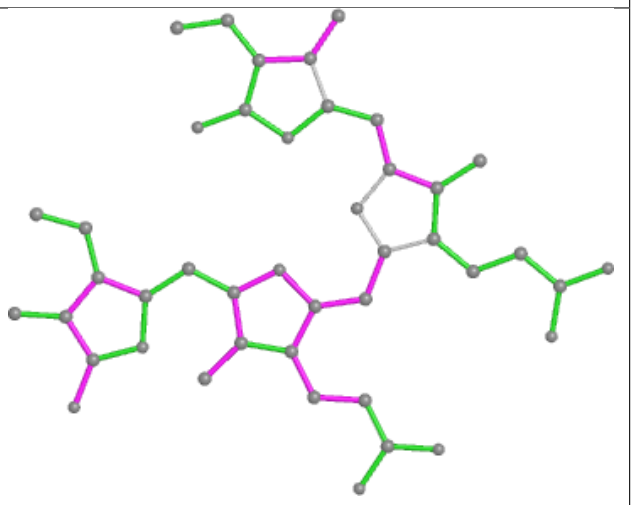

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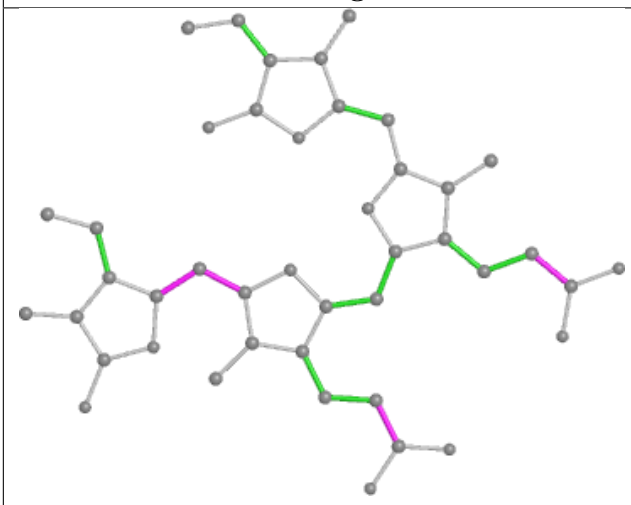

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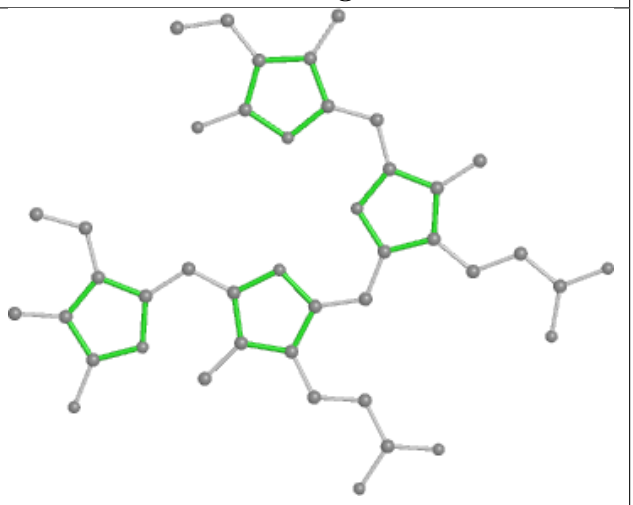
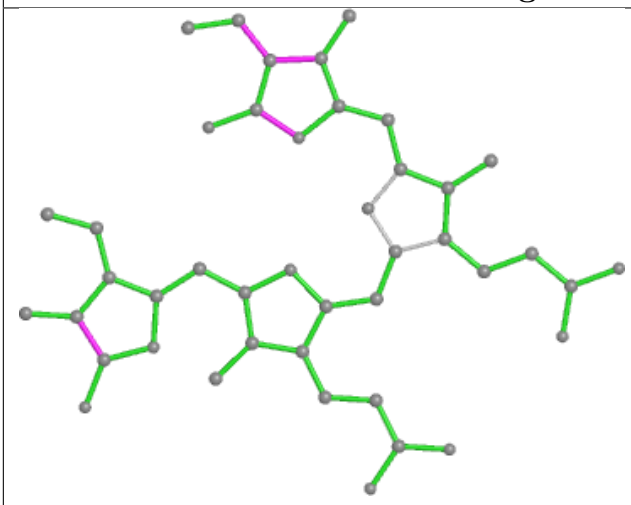


Rings

Ligand PEB h6 201



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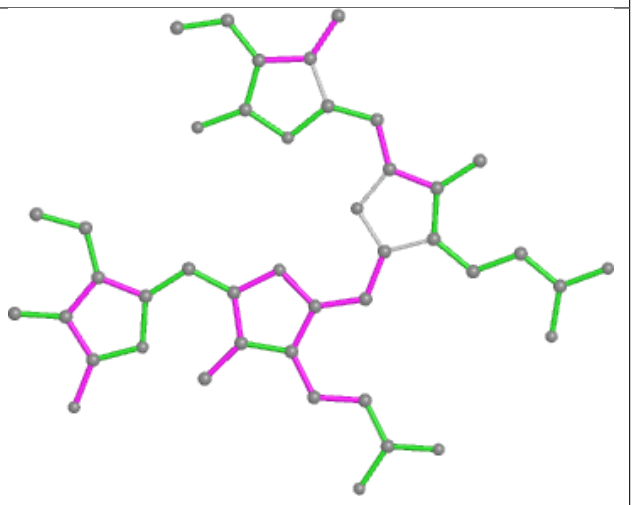

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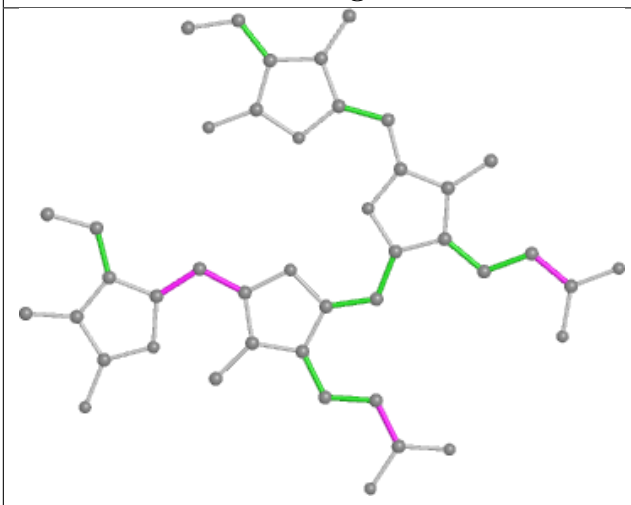

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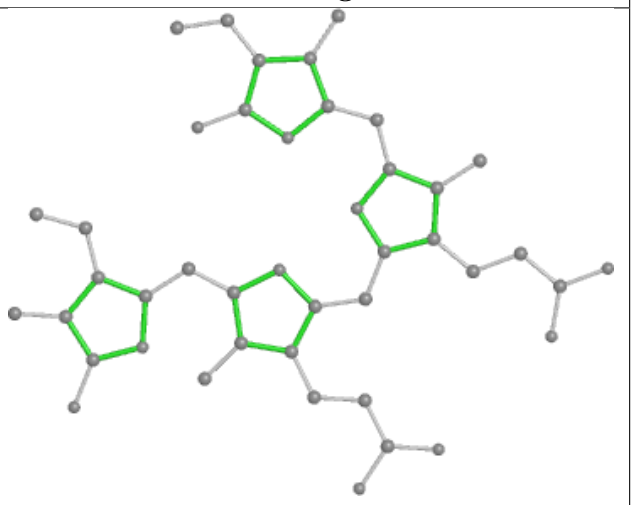
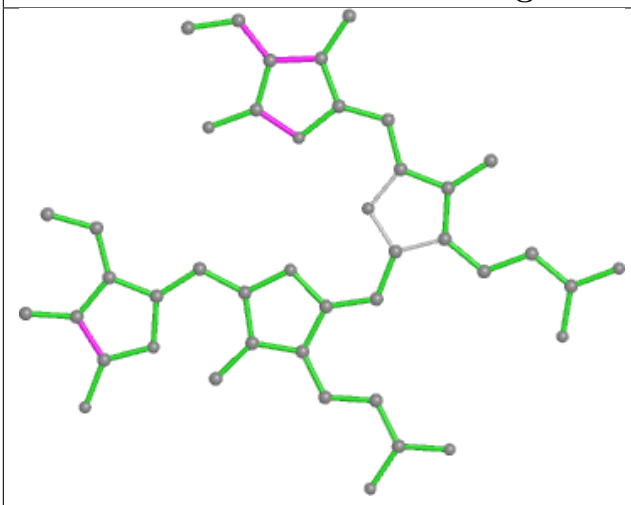


Rings

Ligand PEB cD 201



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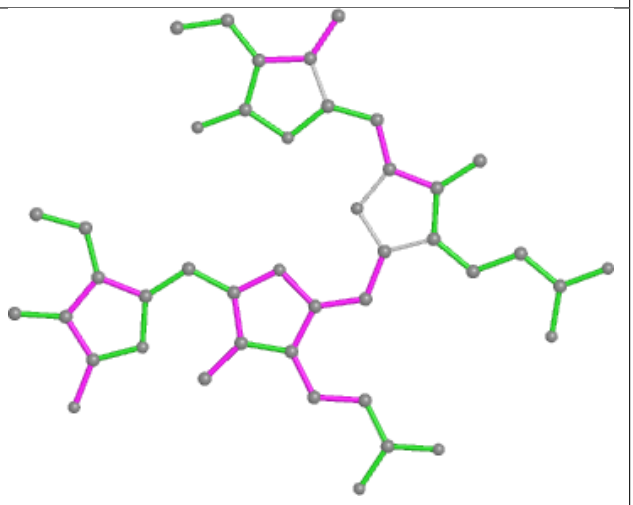

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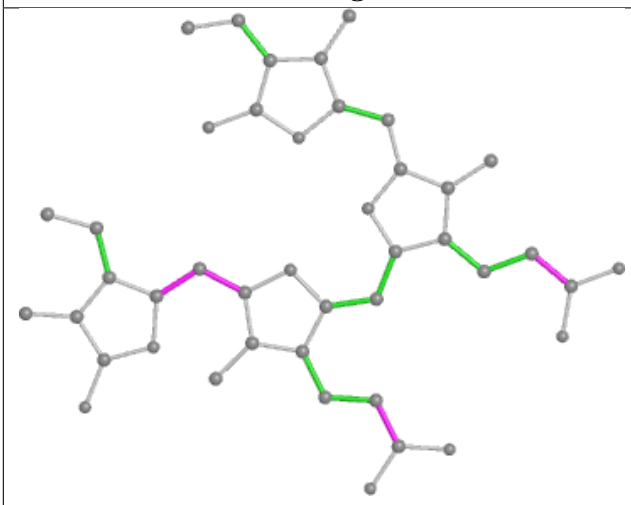

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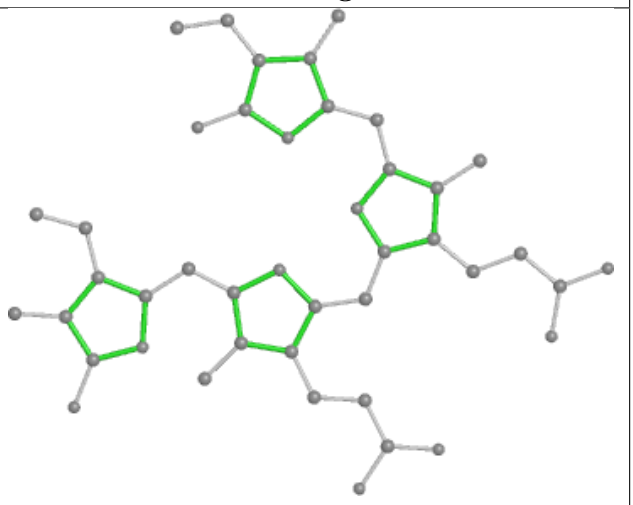

Rings

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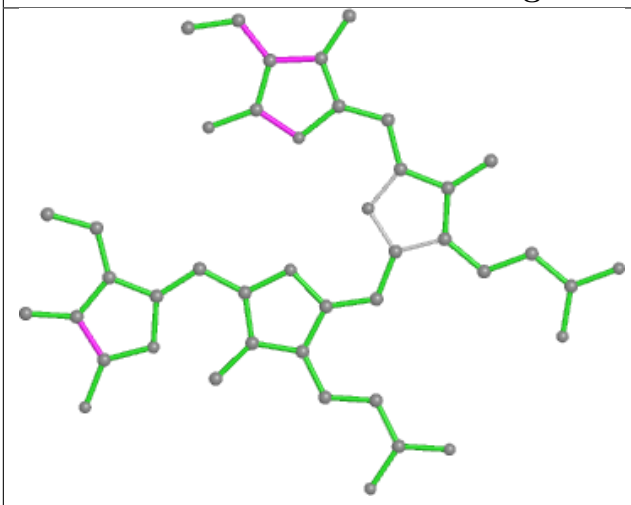

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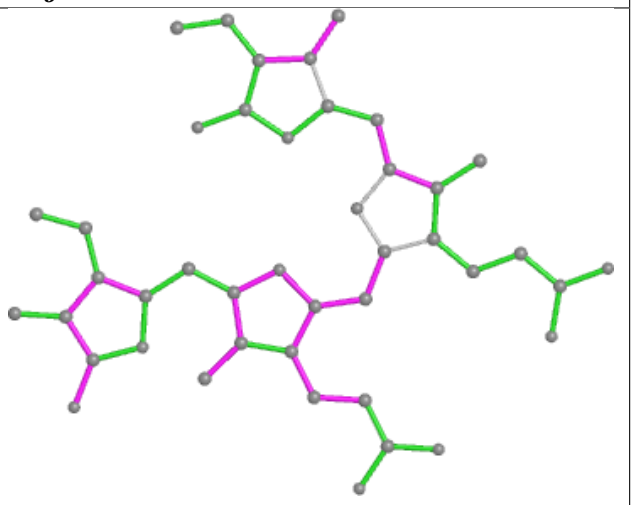

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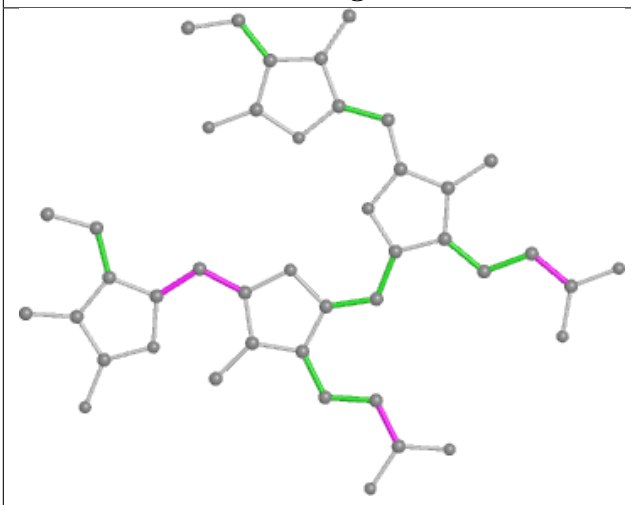

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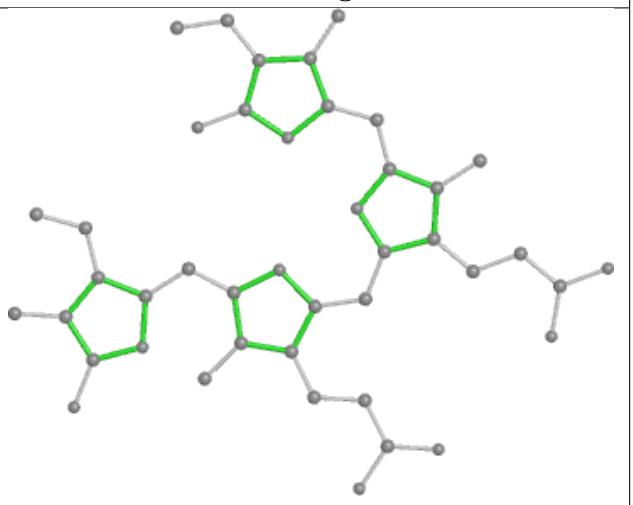

Rings

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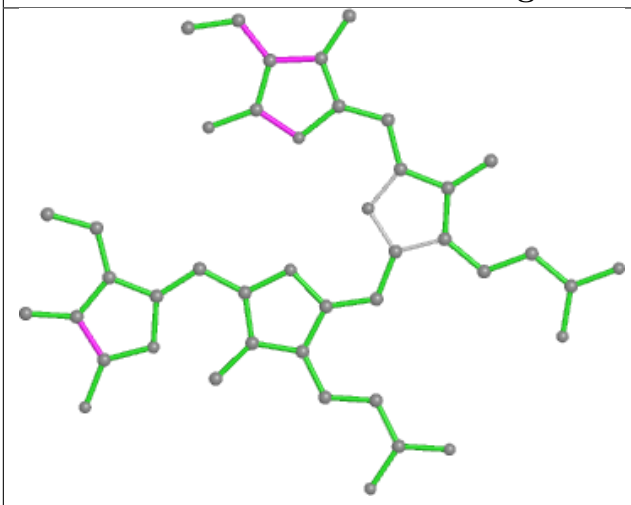

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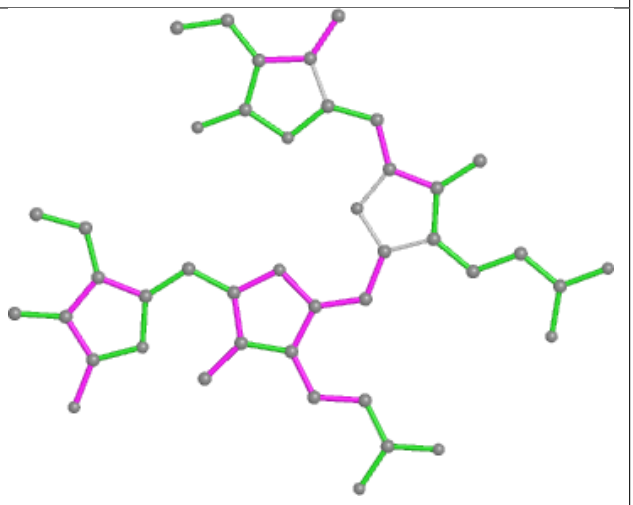

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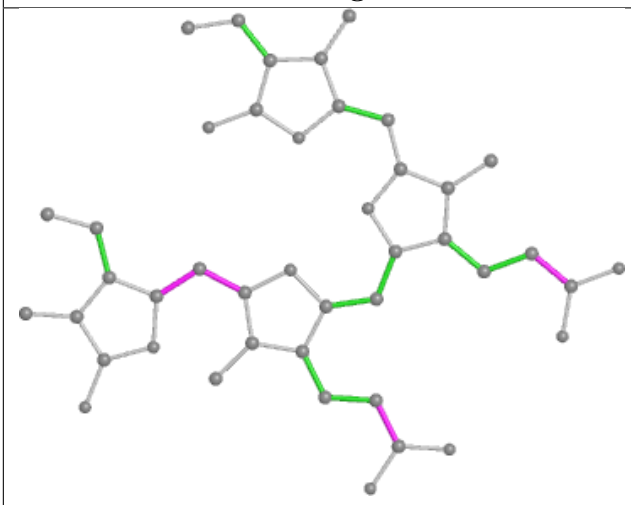

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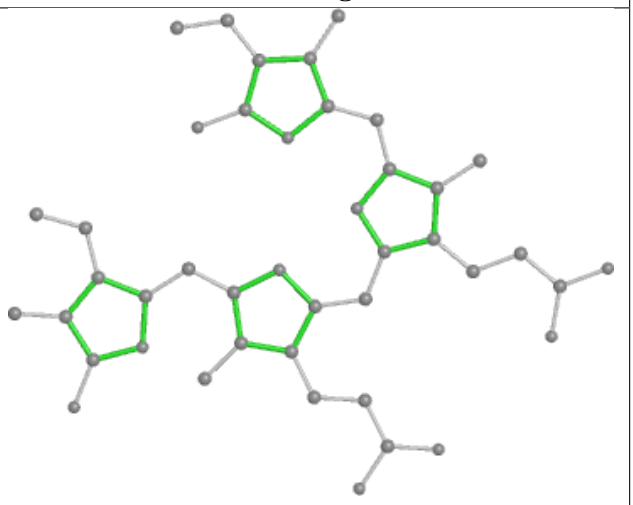
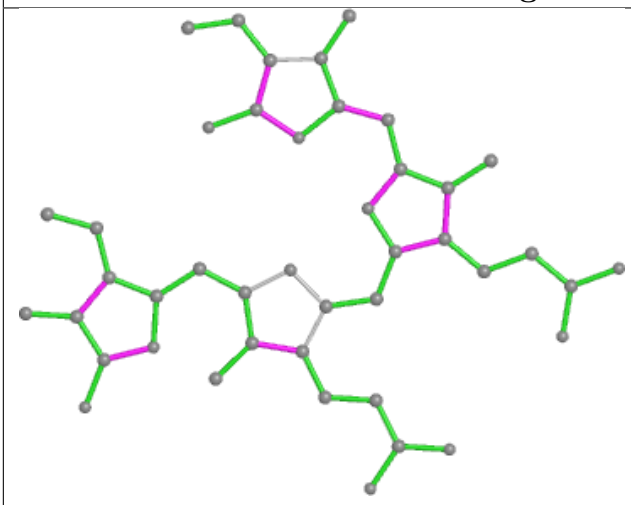


Rings

Ligand PUB cz 203



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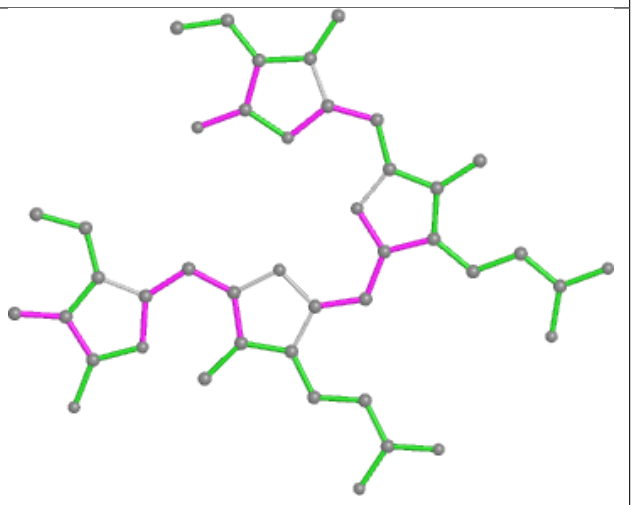

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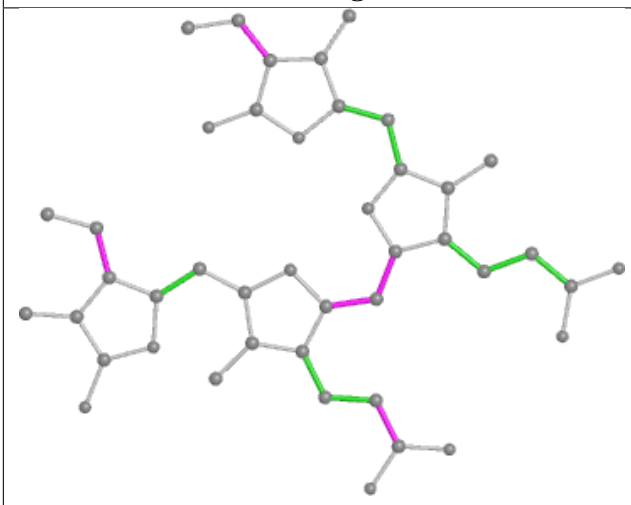

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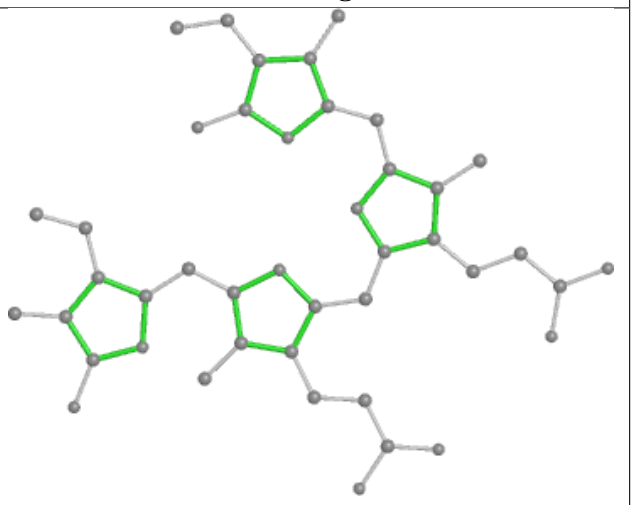
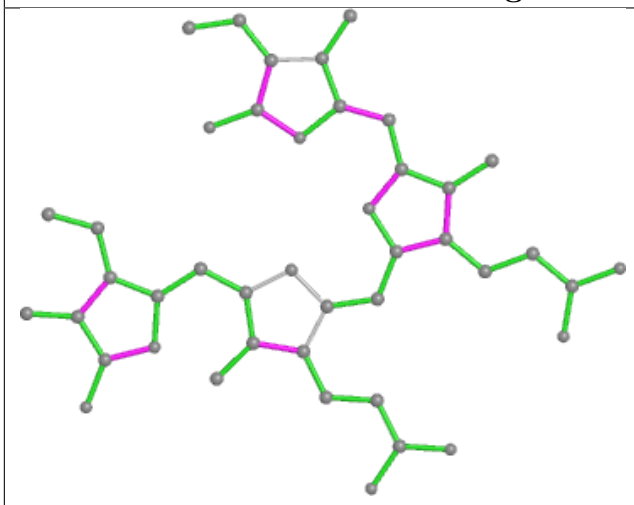


Rings

Ligand PUB U8 1006



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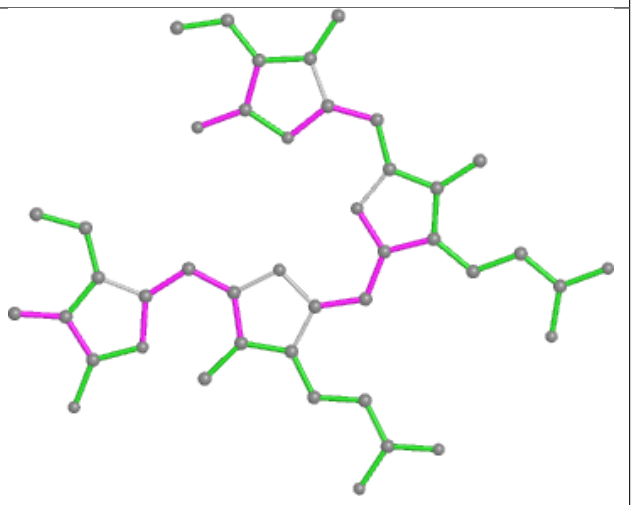

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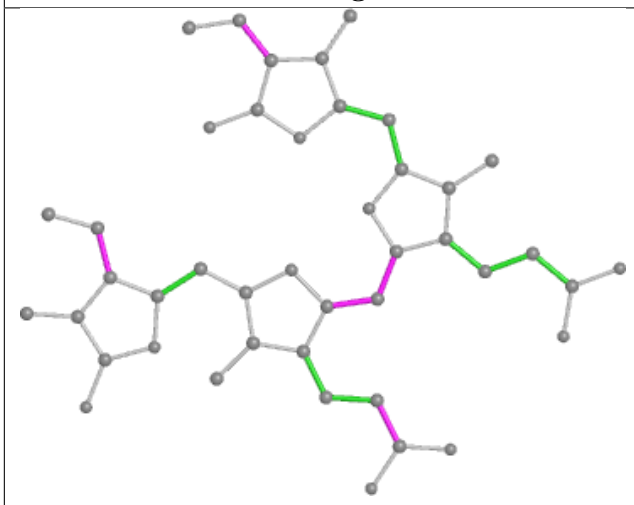

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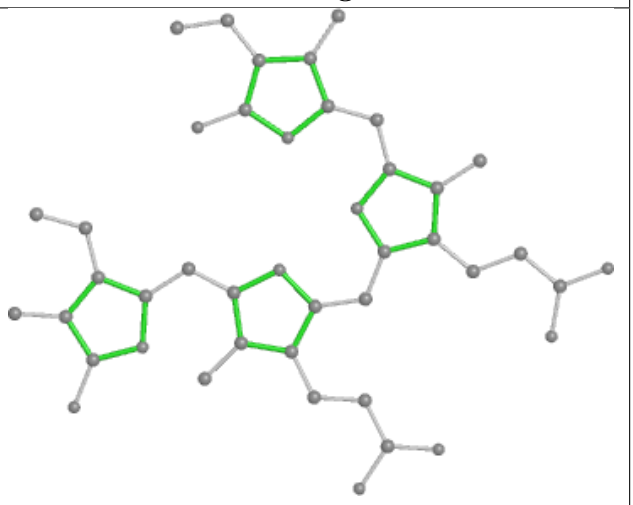
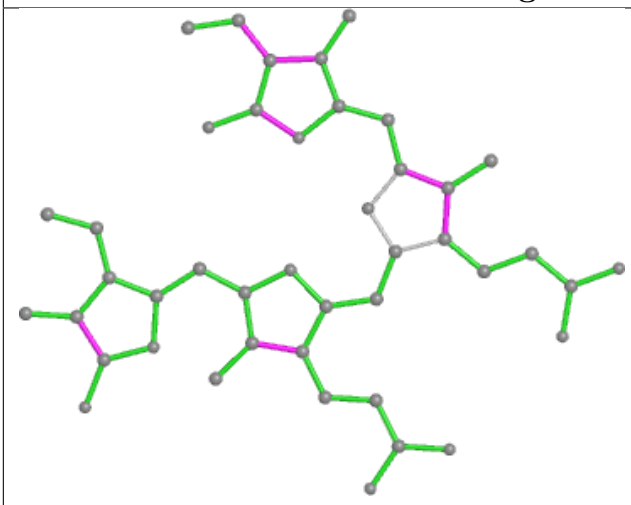


Rings

Ligand PEB p8 202



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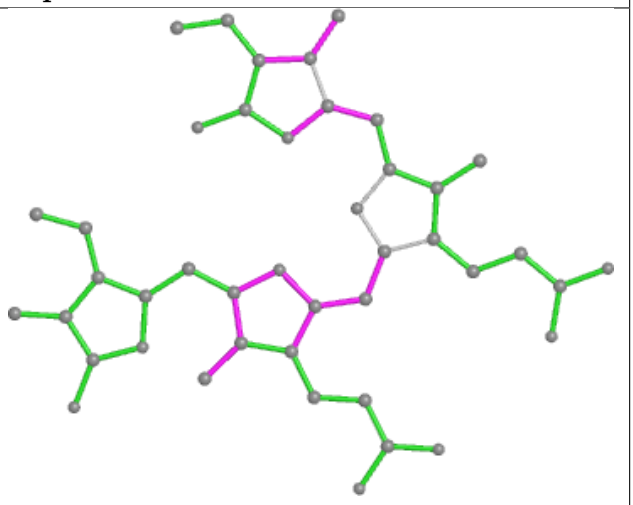

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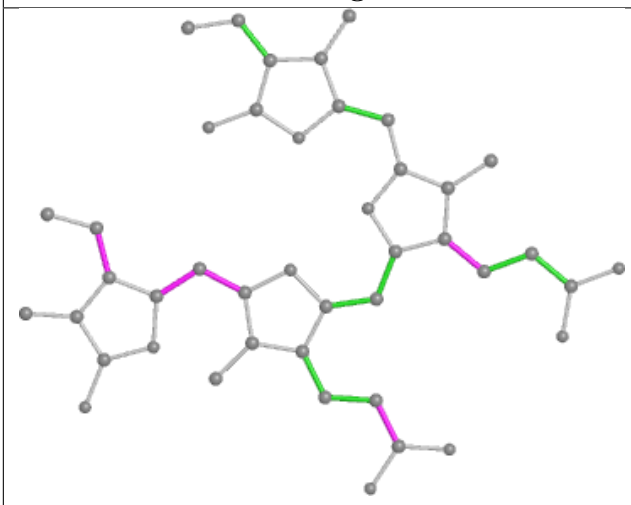

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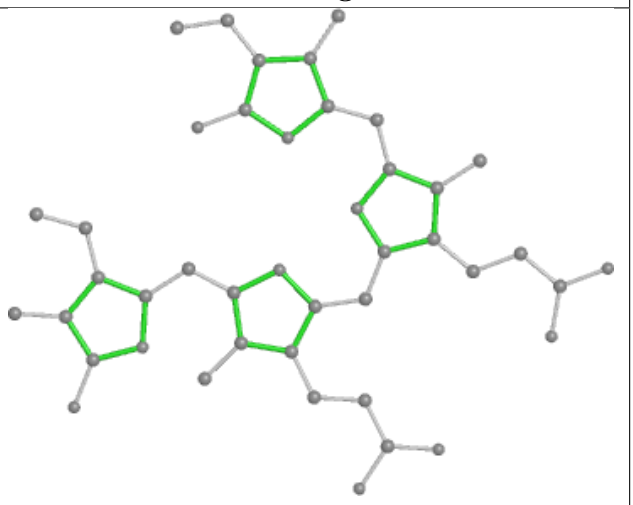
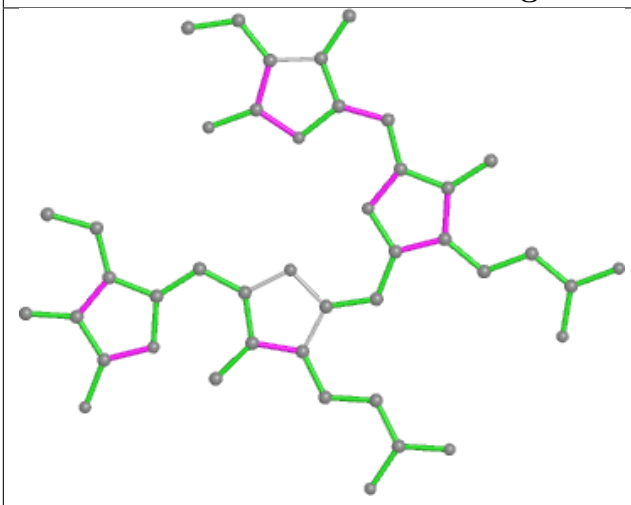


Rings

Ligand PUB cs 203



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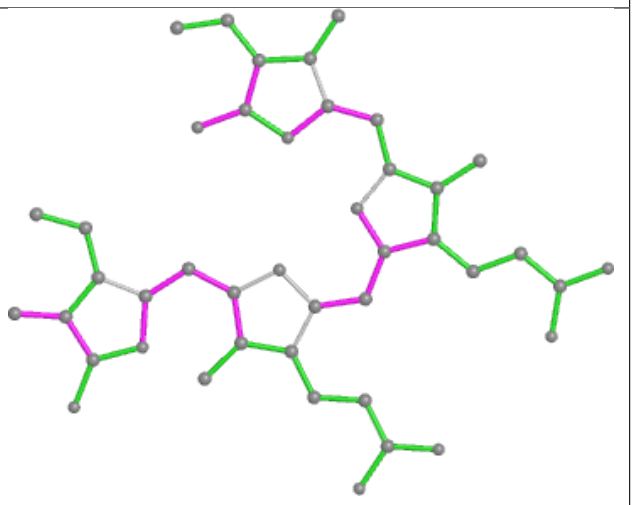

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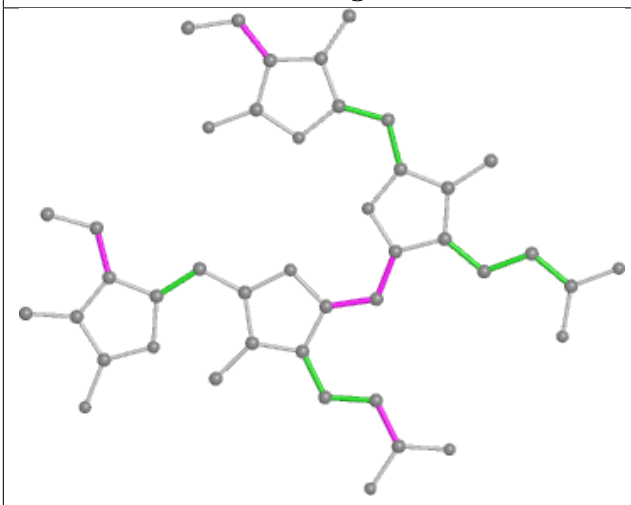
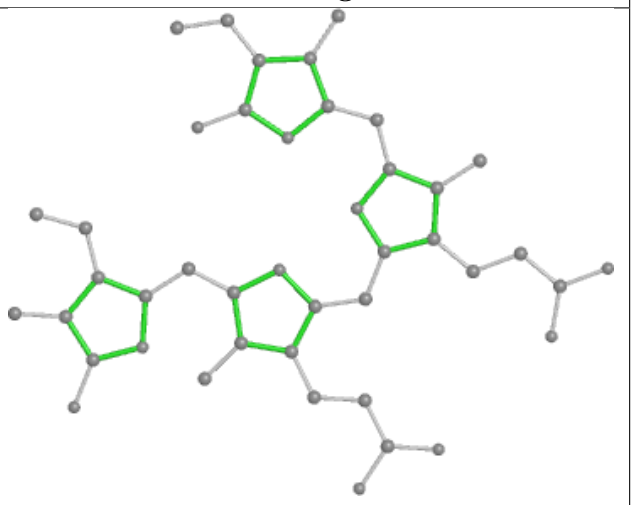
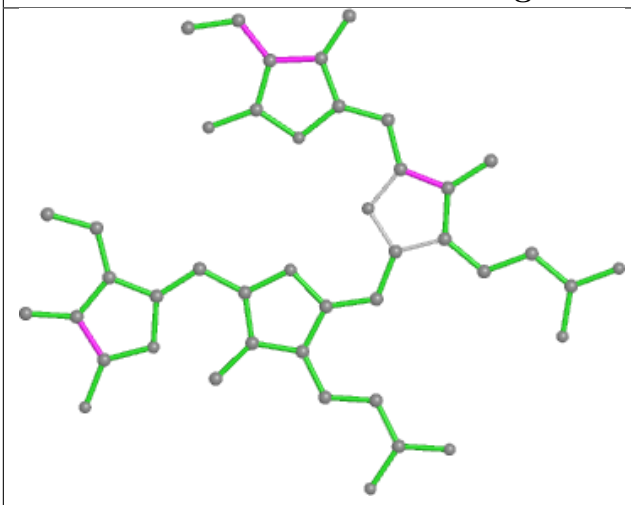


Torsions



Rings

Ligand PEB hQ 202



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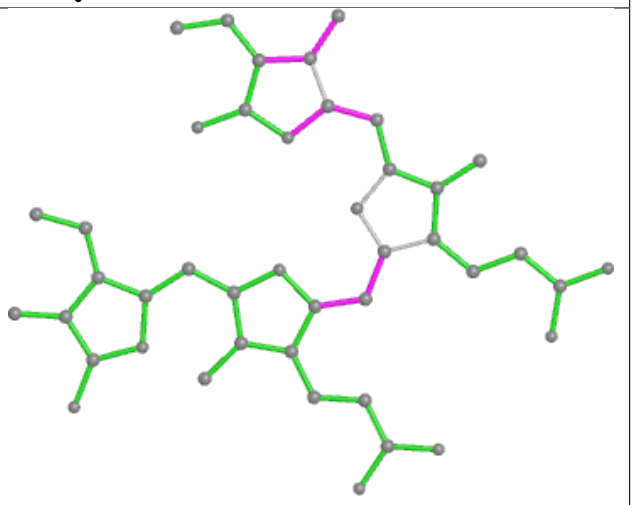

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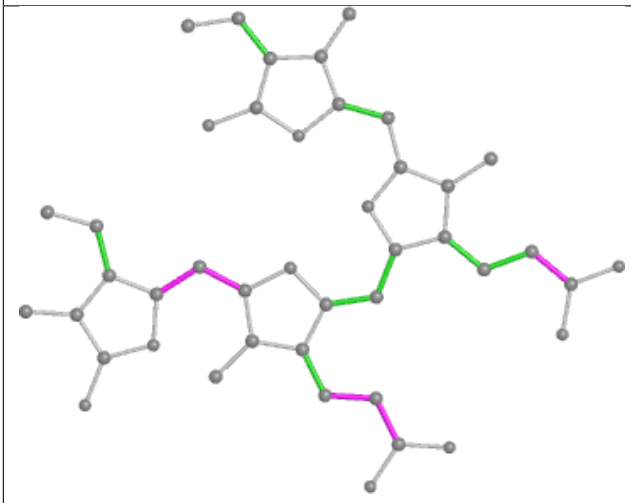

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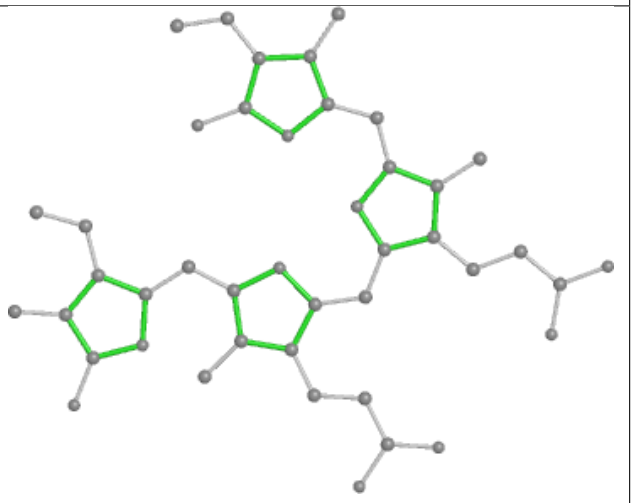
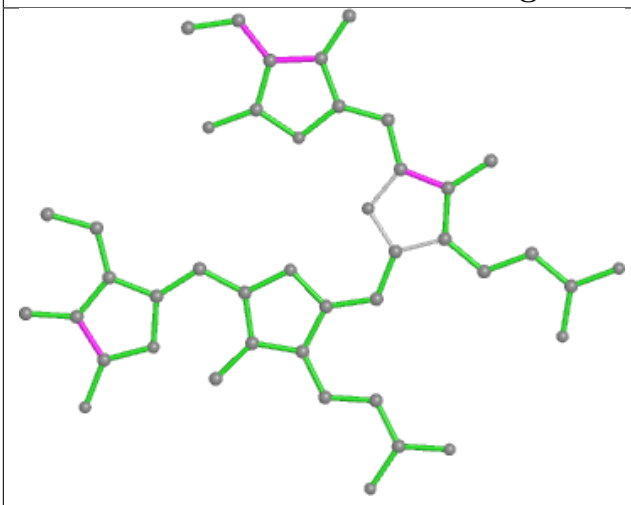


Rings

Ligand PEB lw 202



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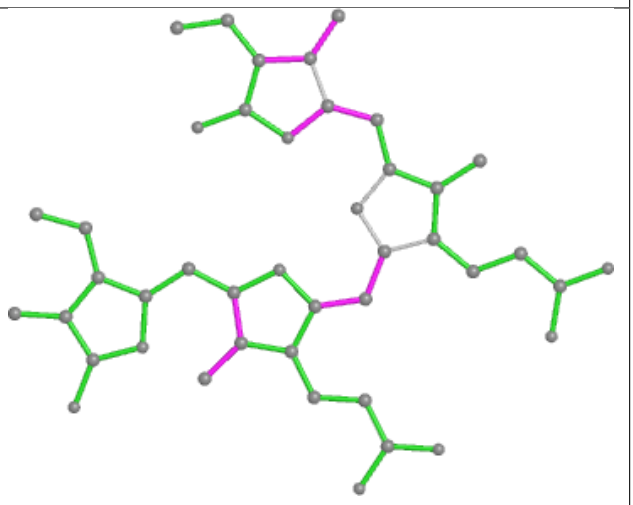

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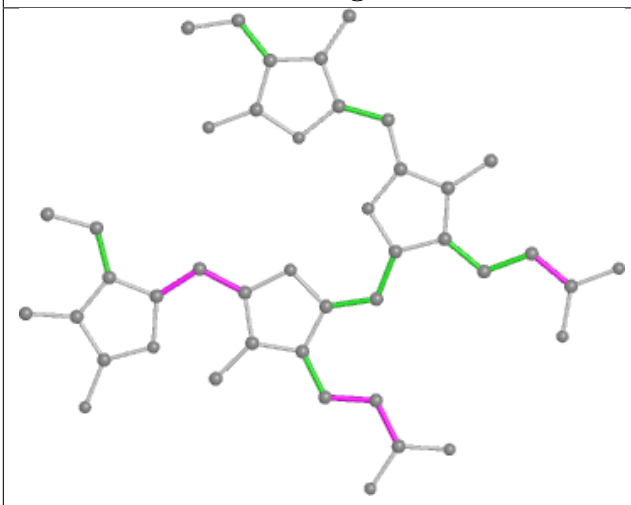

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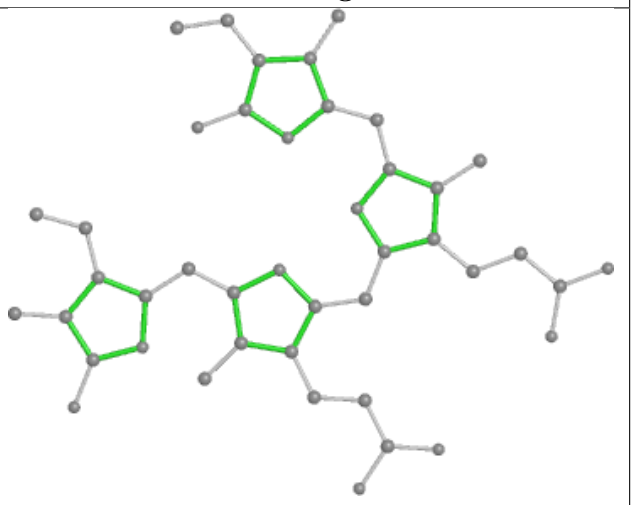

Rings

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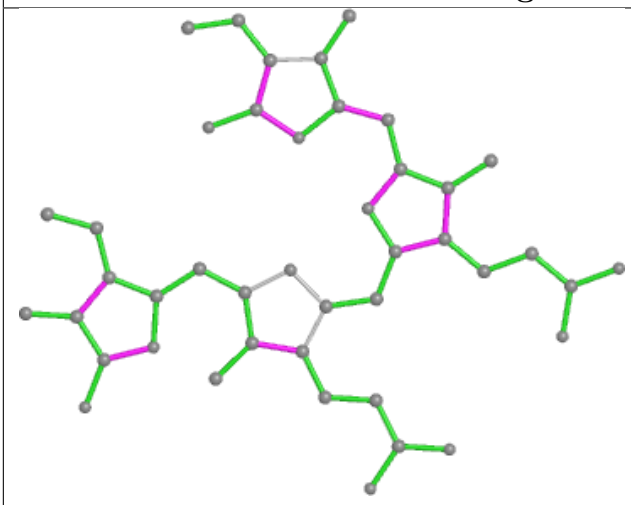

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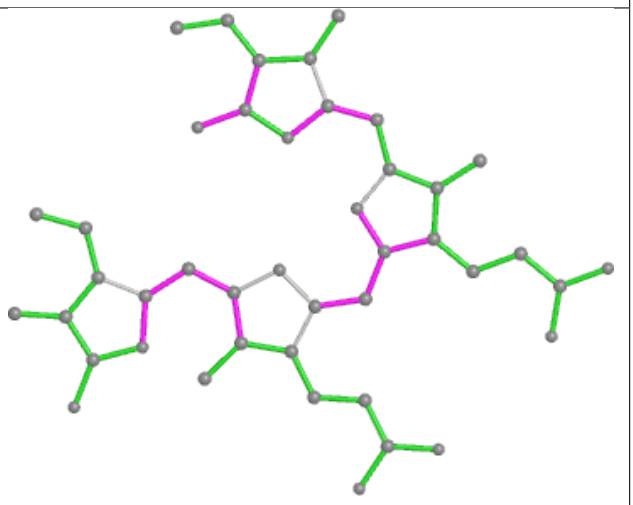

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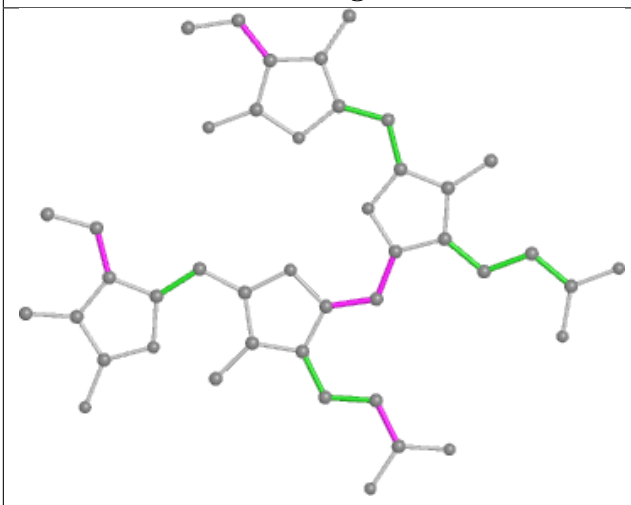

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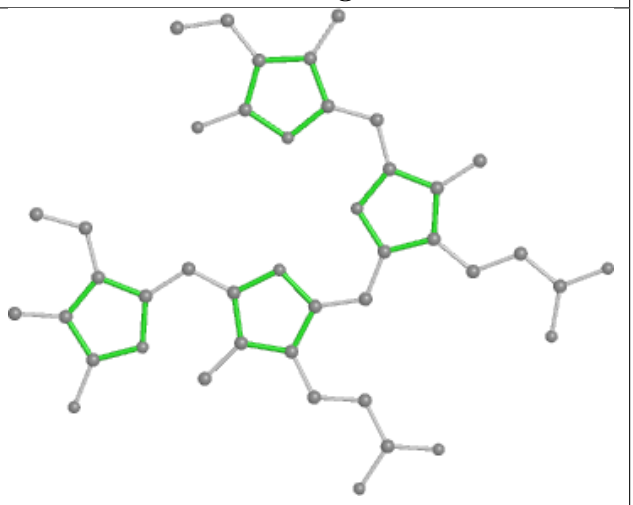

Rings

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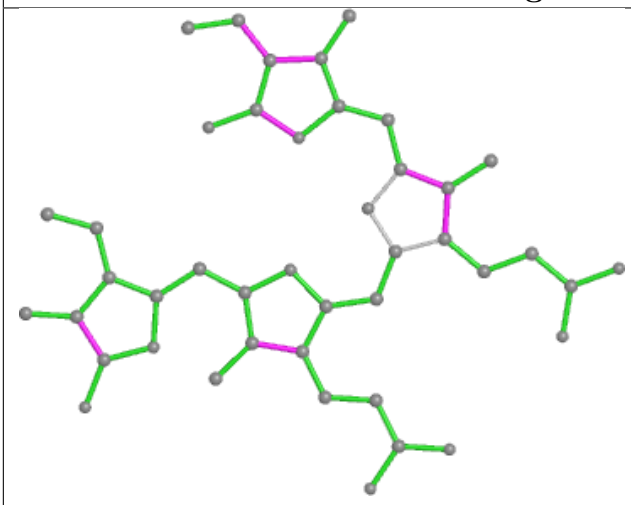

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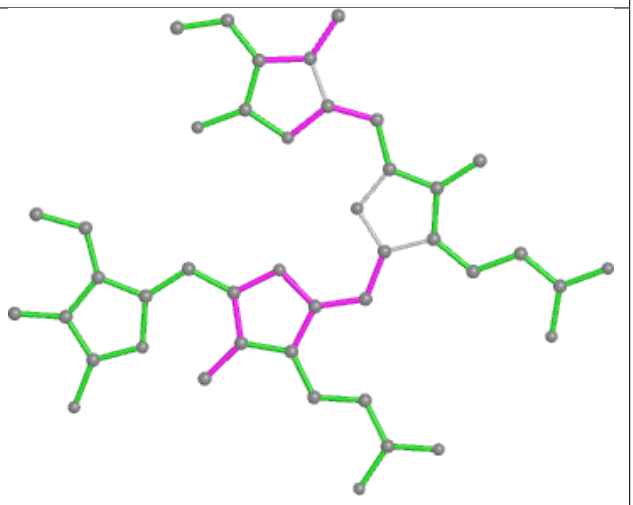

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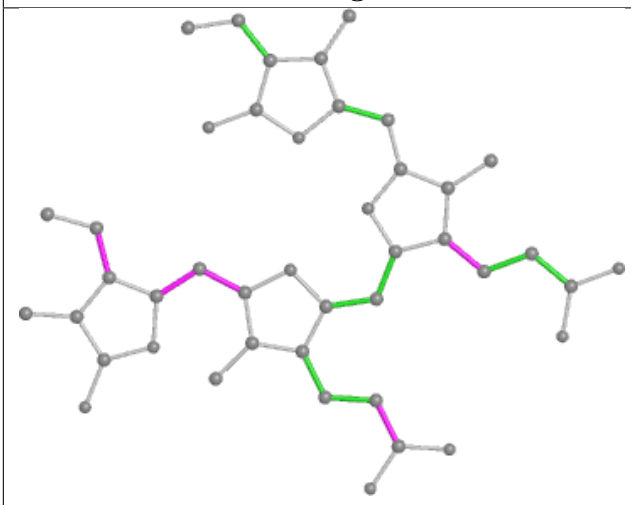

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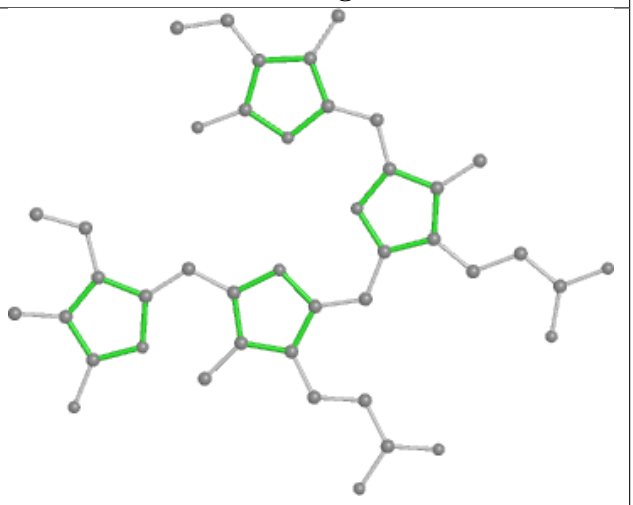

Rings

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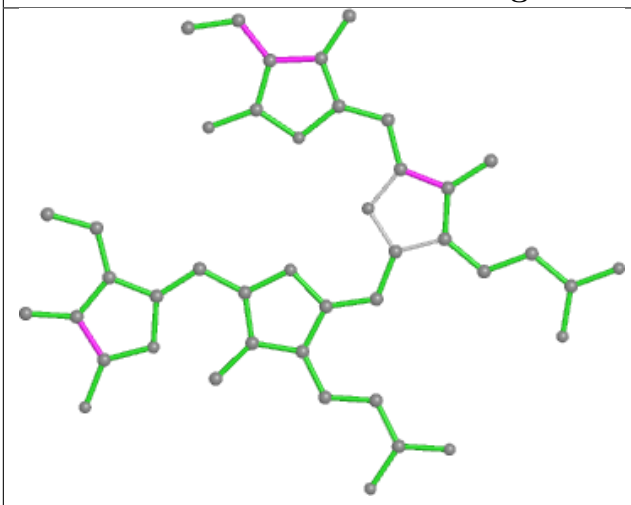

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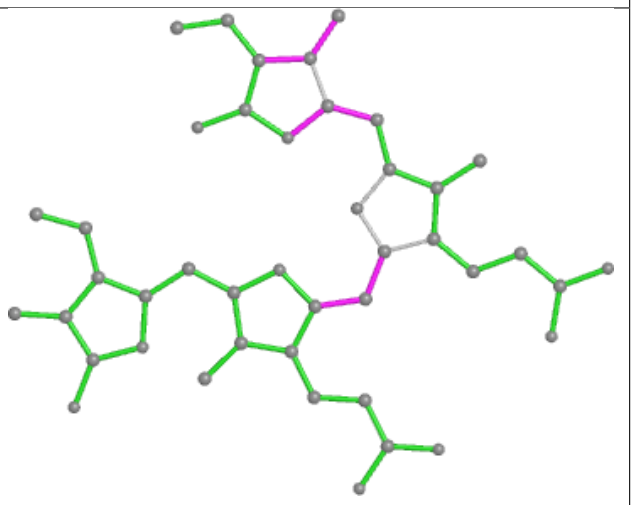

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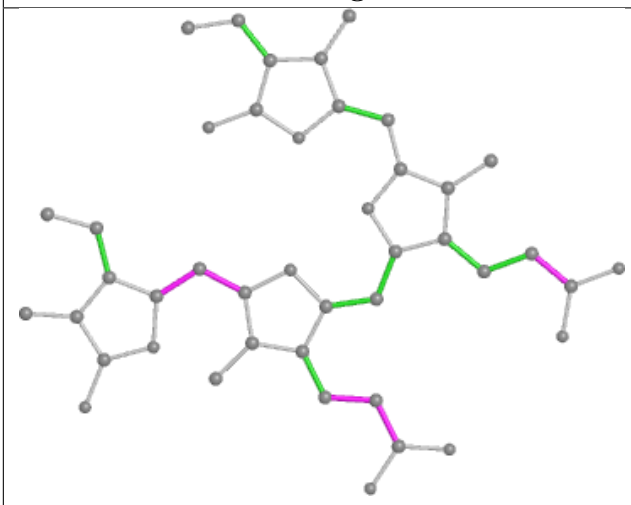

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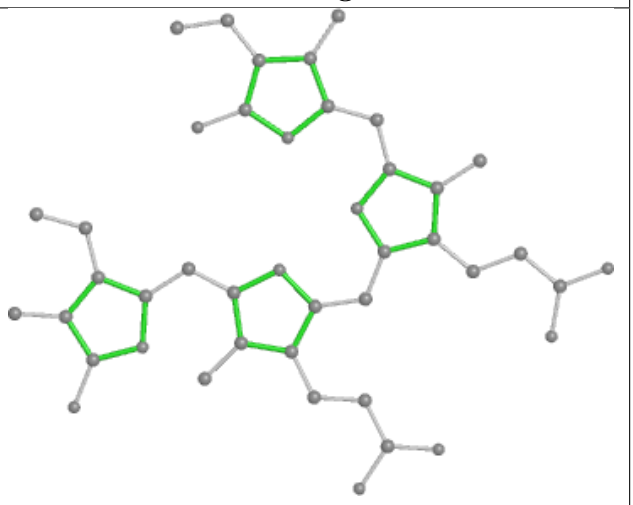

Rings

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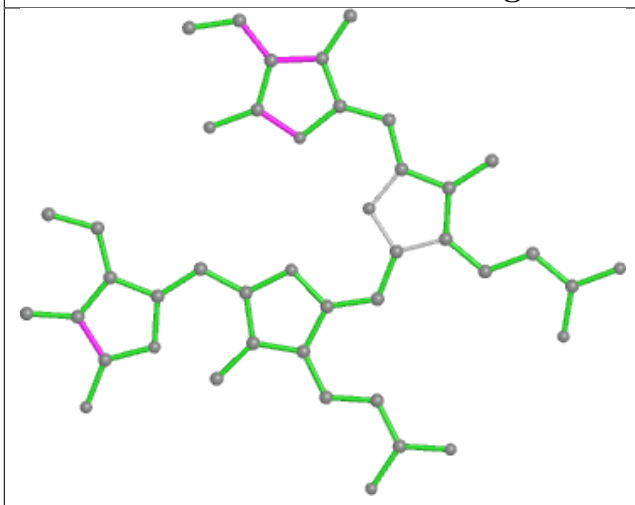

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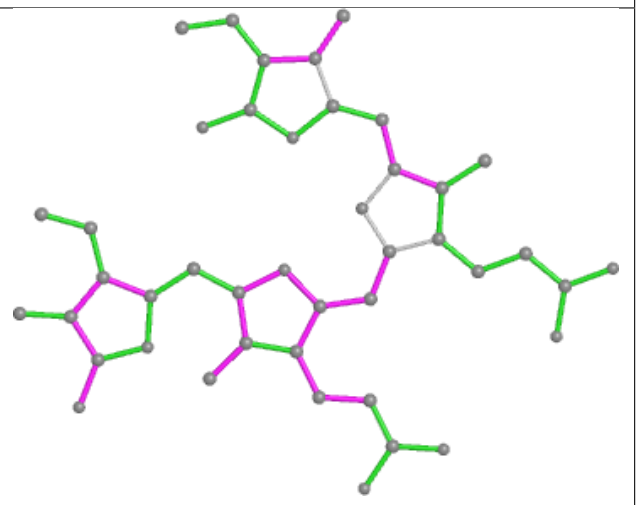

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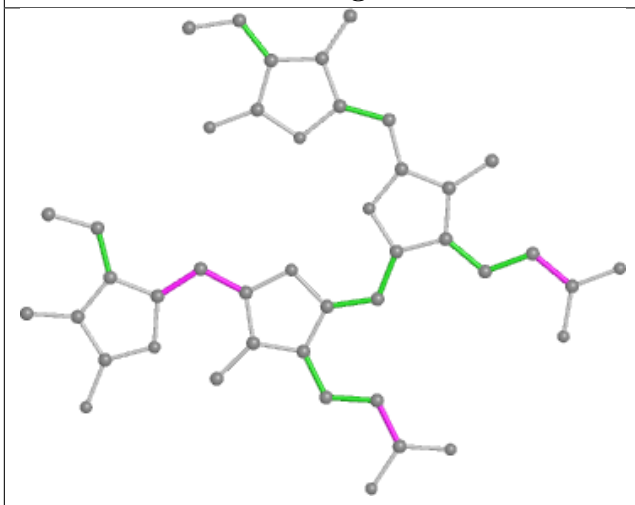

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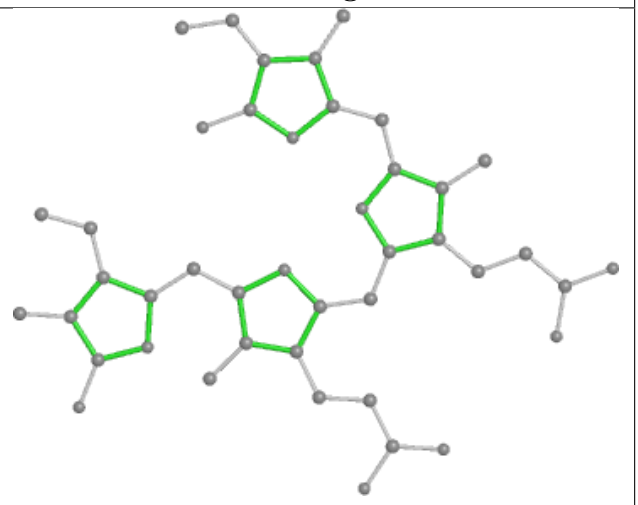

Rings

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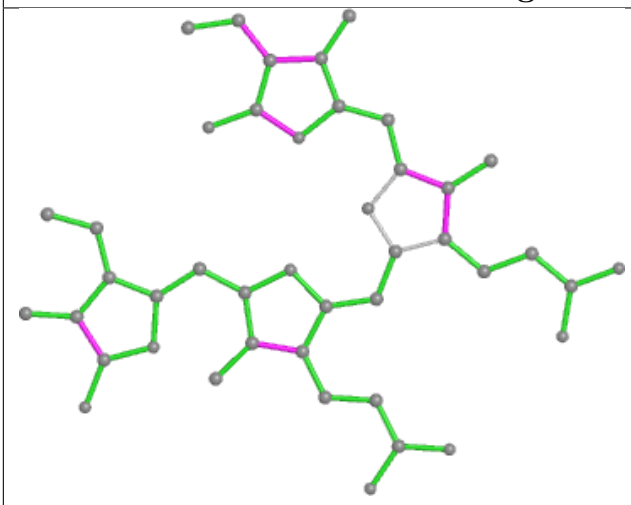

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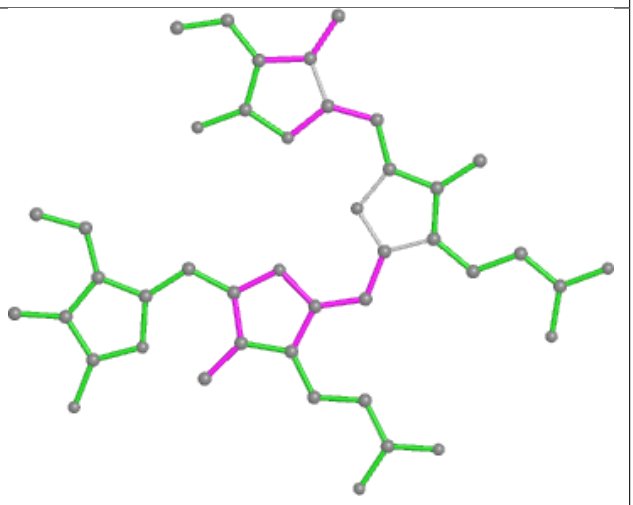

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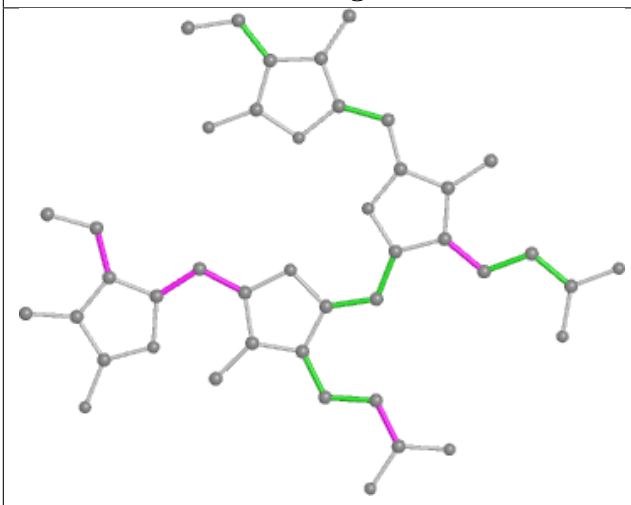

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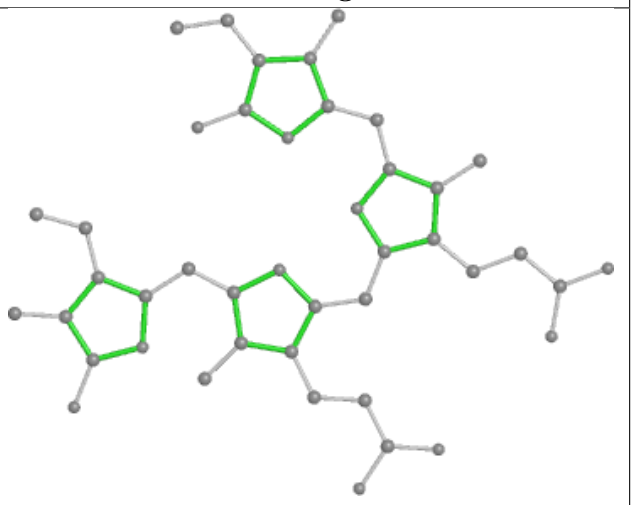

Rings

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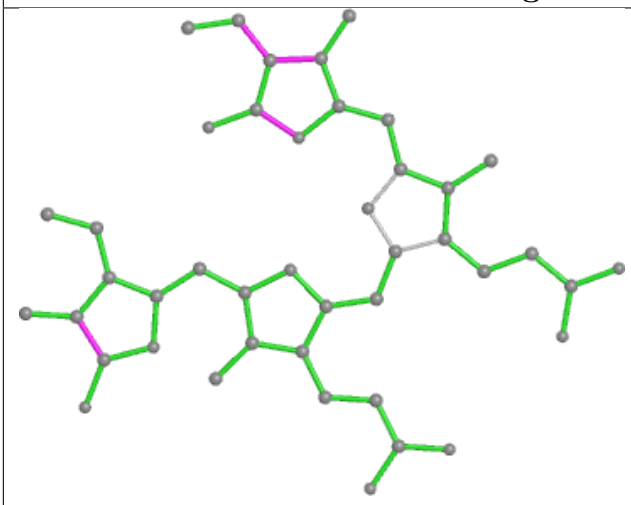

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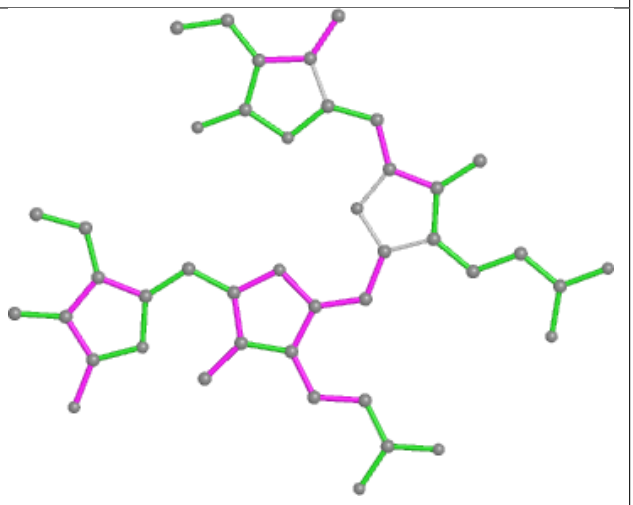

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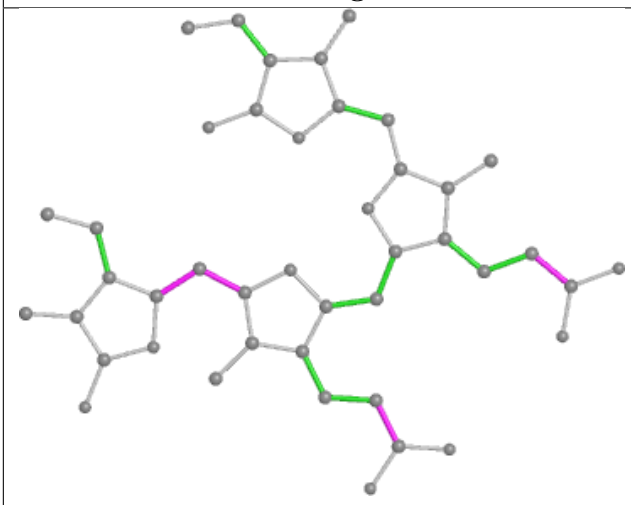

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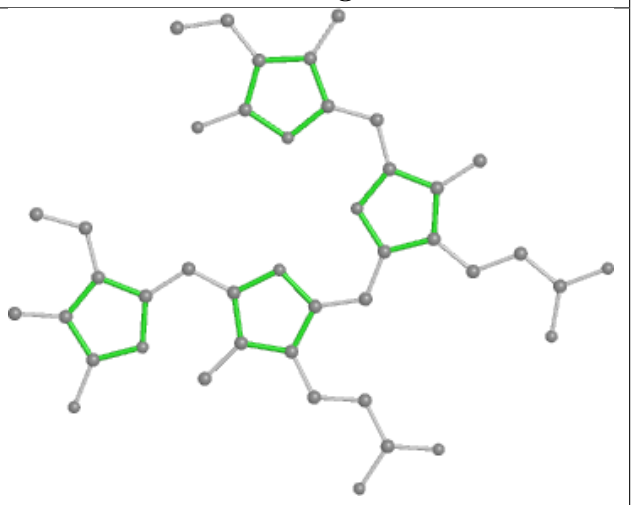

Rings

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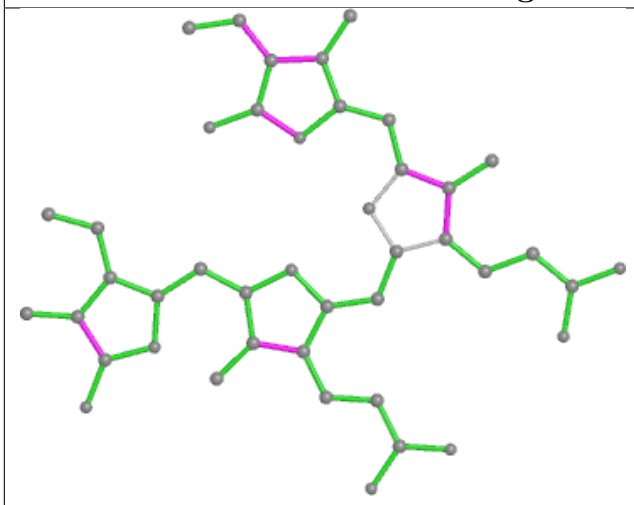

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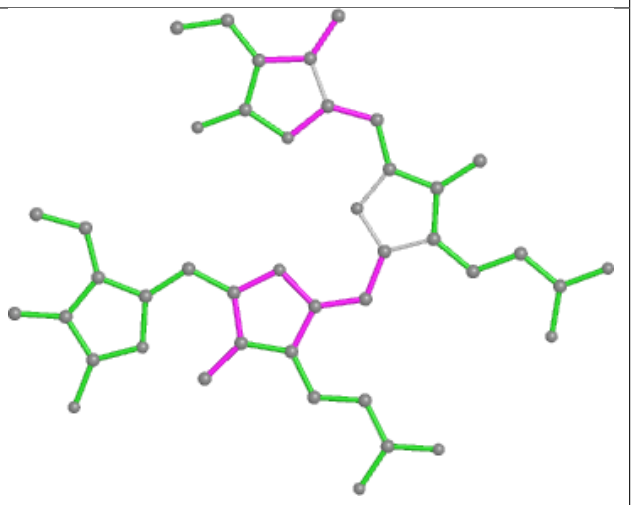

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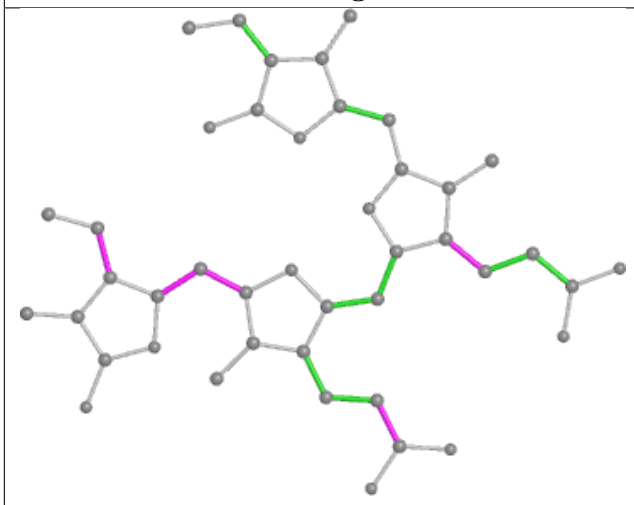

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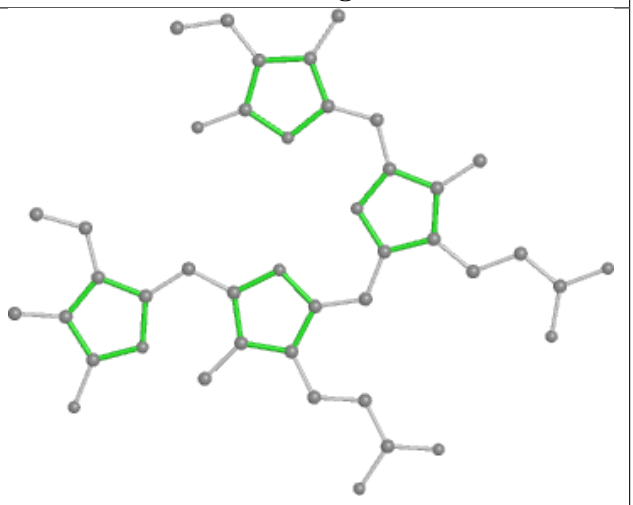

Rings

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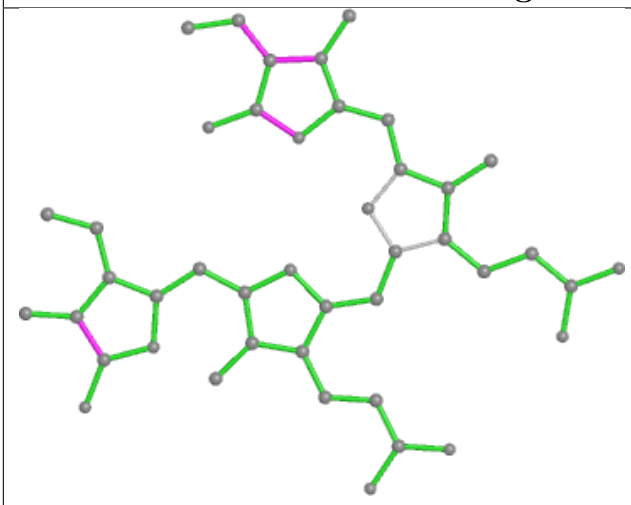

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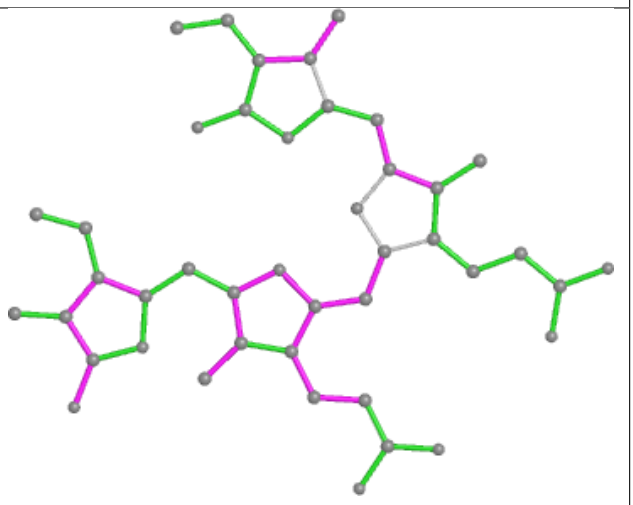

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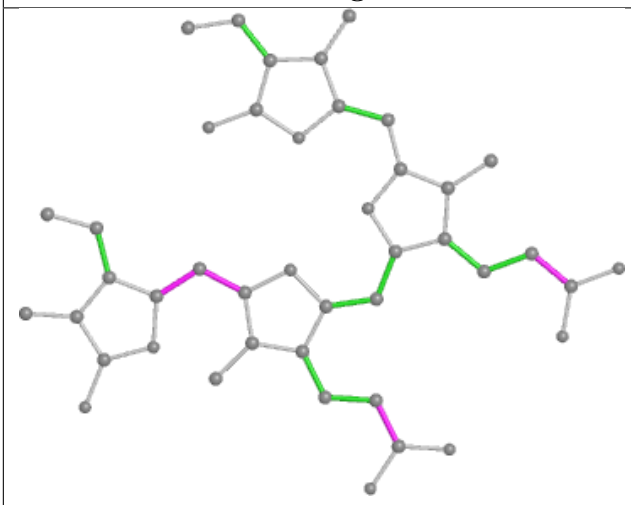

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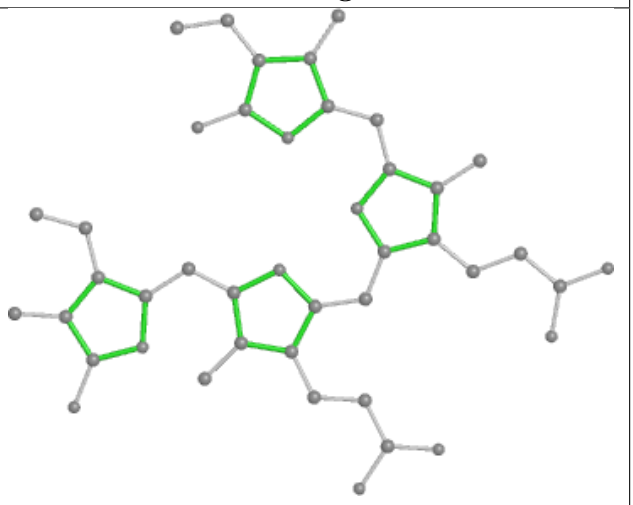

Rings

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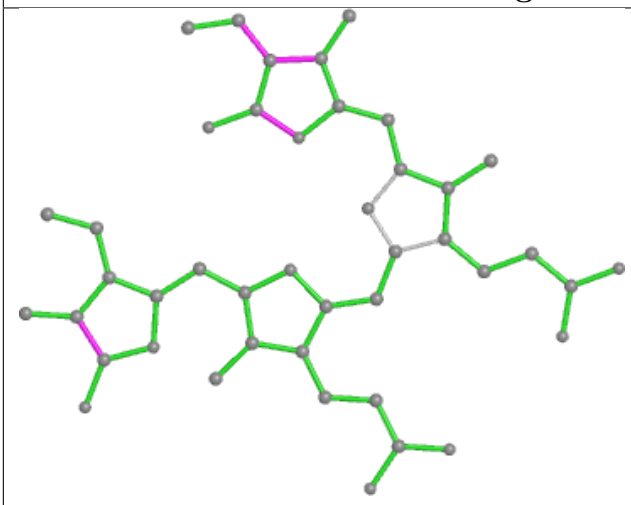

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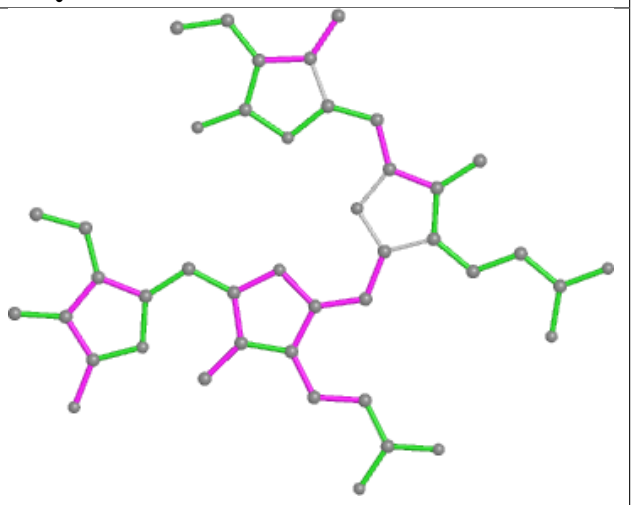

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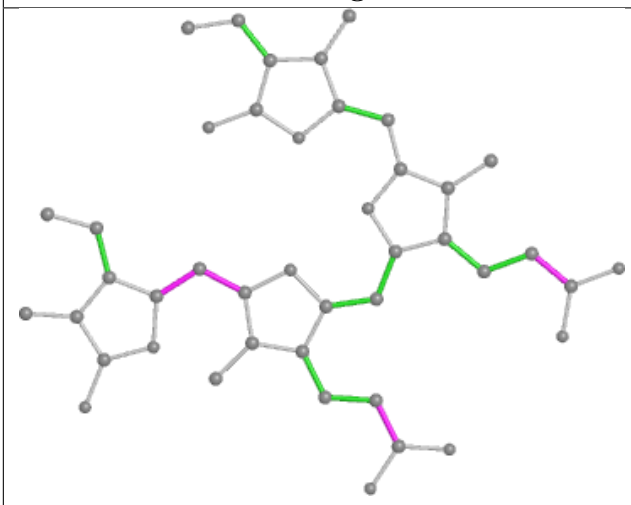

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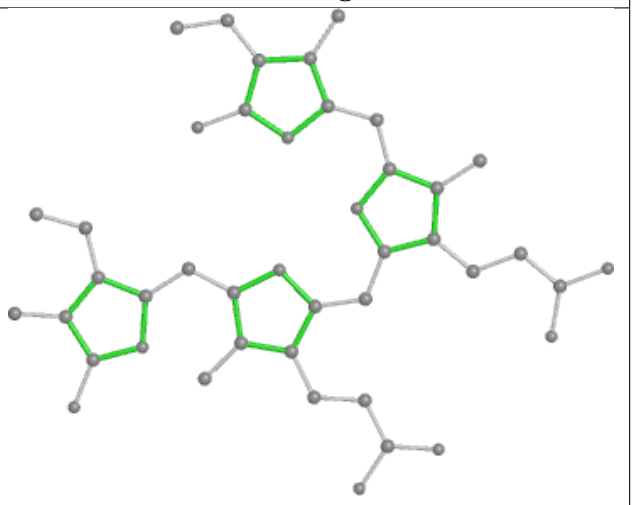
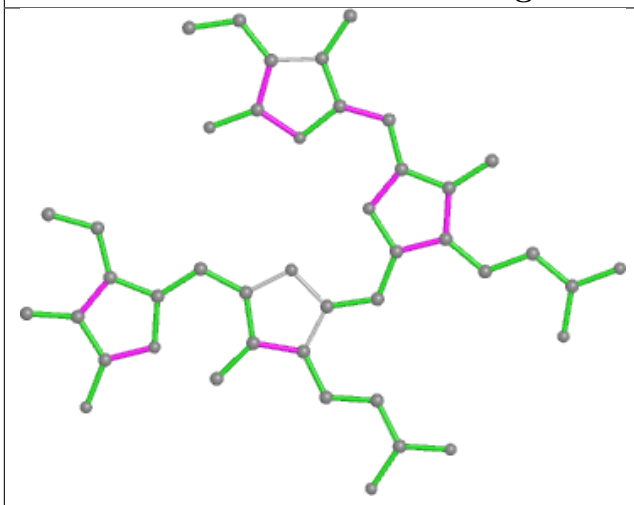


Rings

Ligand PUB B7 202



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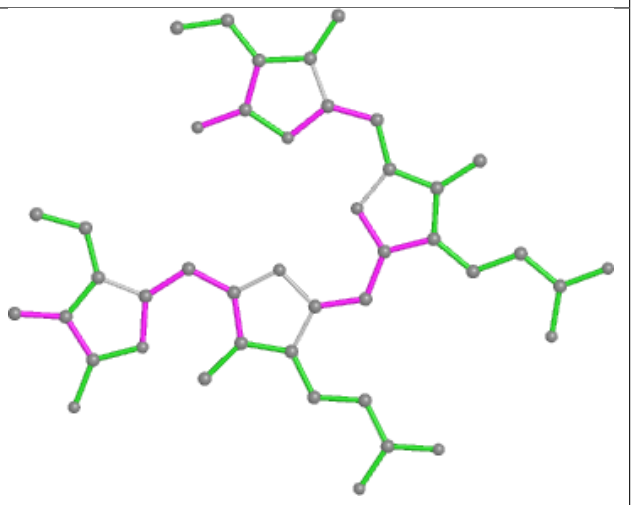

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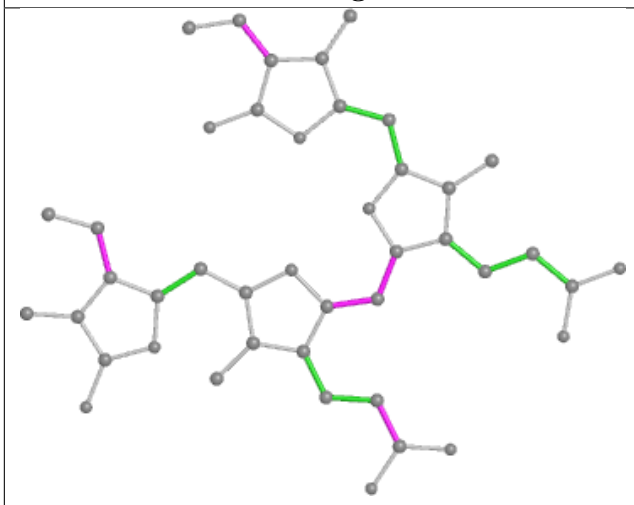

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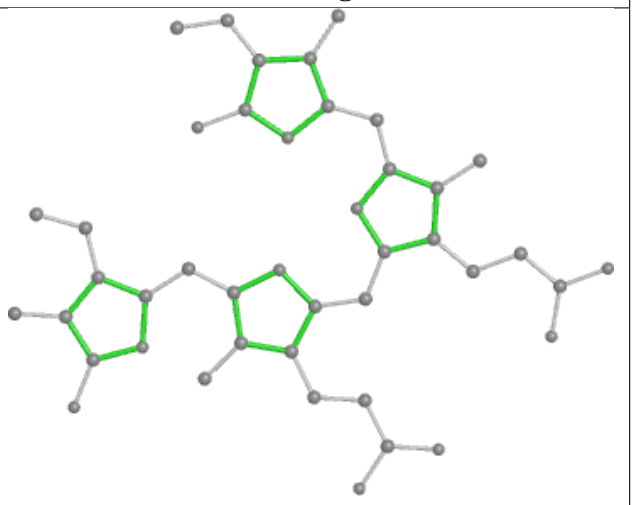

Rings

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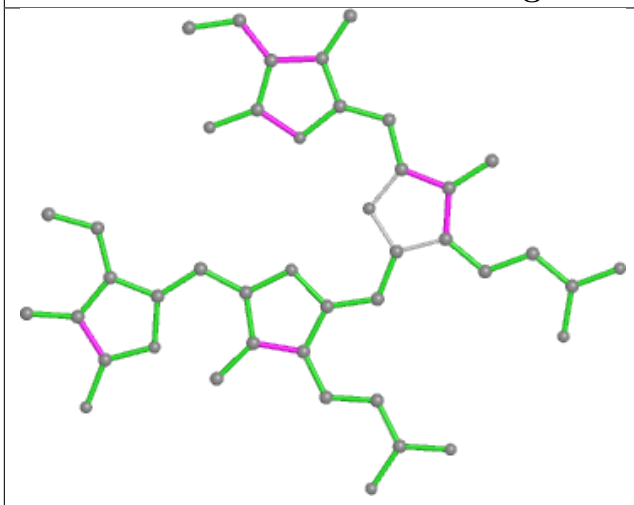

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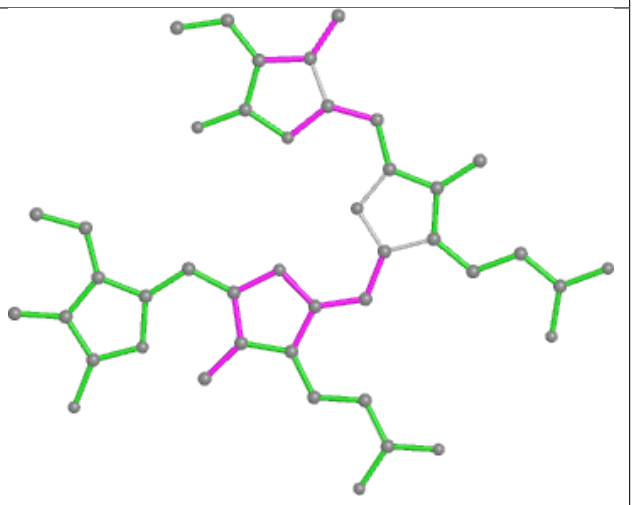
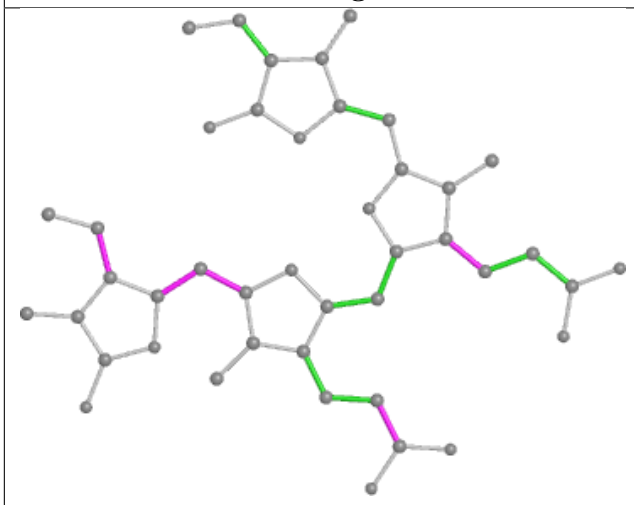
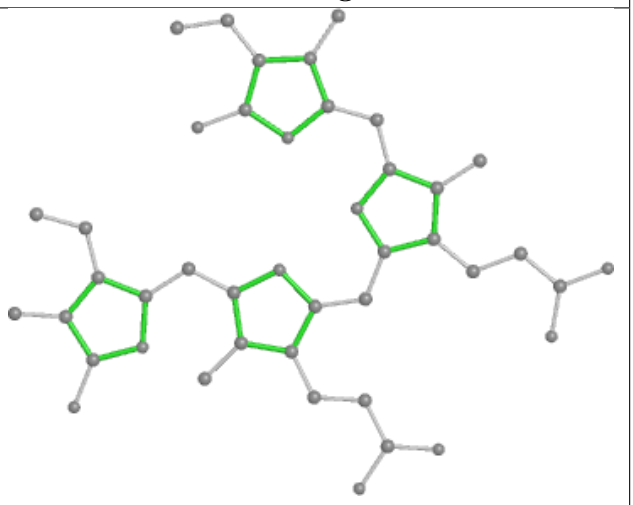


Bond angles

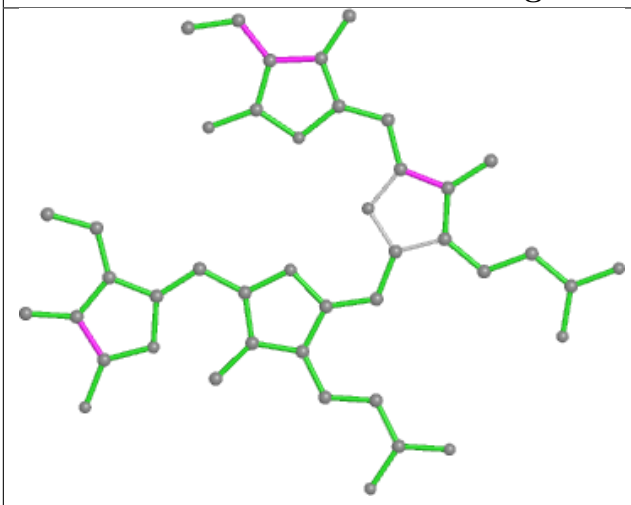


Torsions



Rings

Ligand PEB le 202



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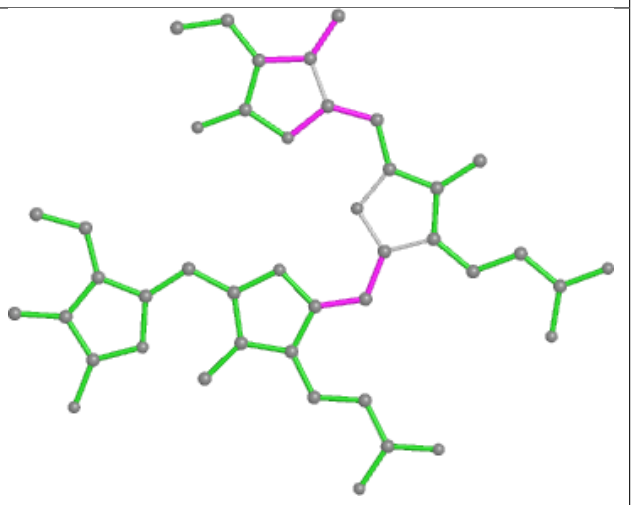

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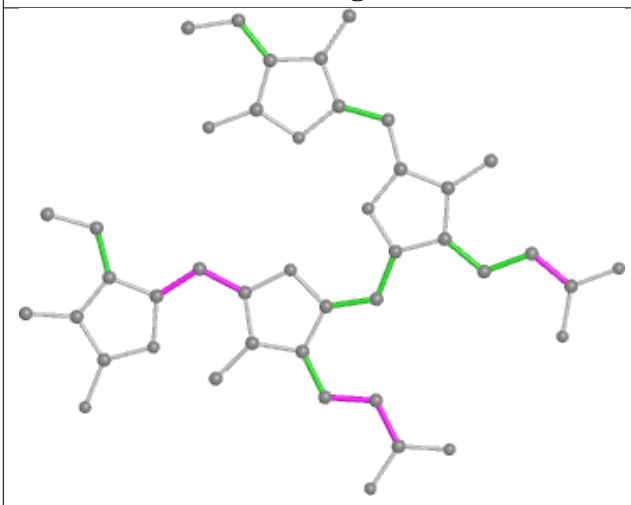

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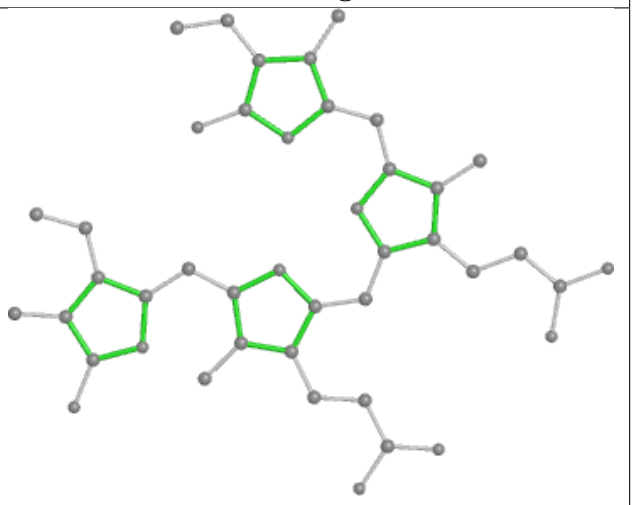
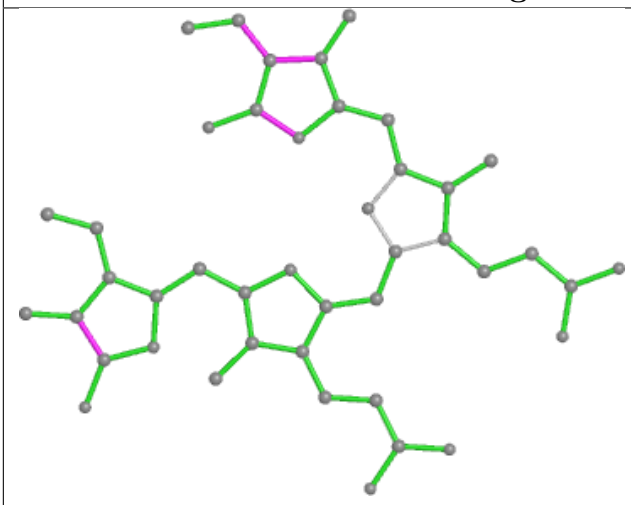


Rings

Ligand PEB gb 1001



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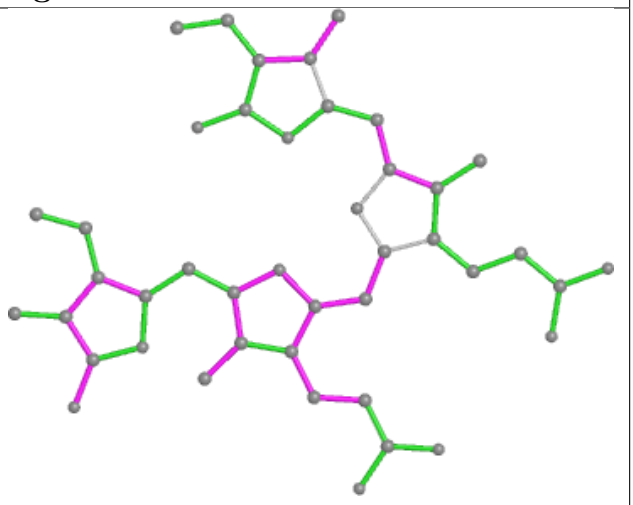

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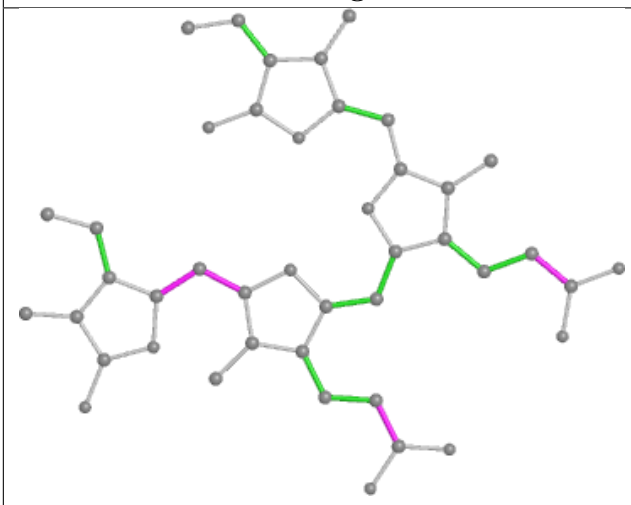

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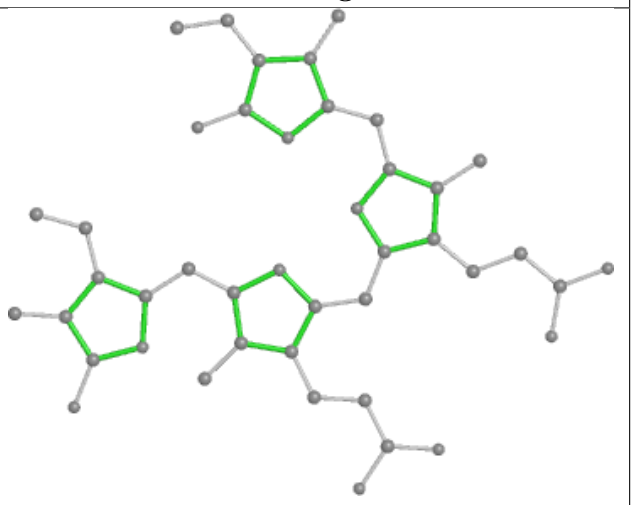

Rings

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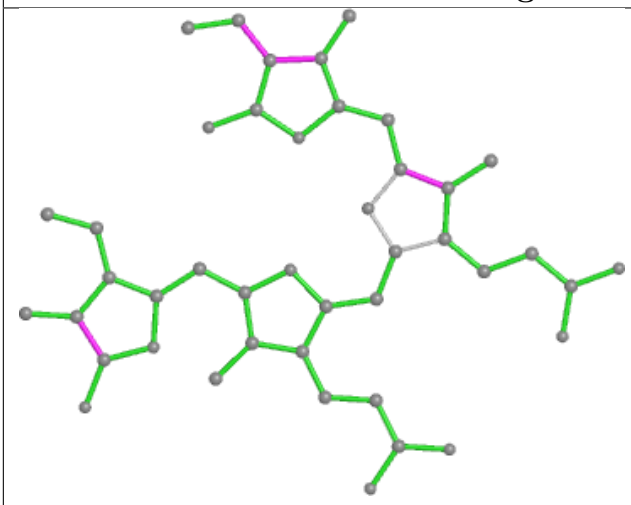

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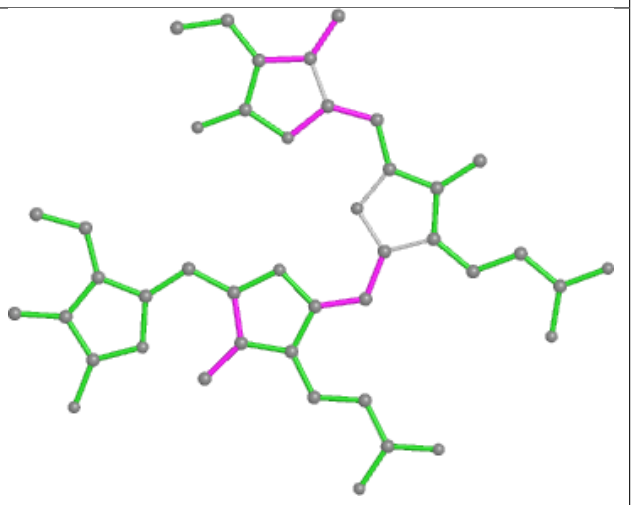

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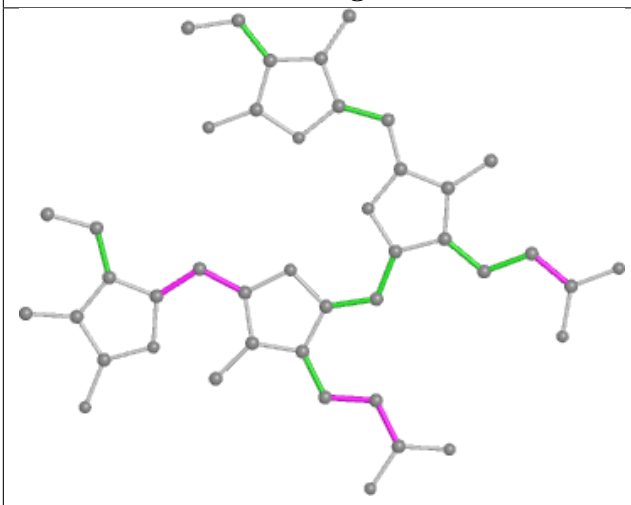

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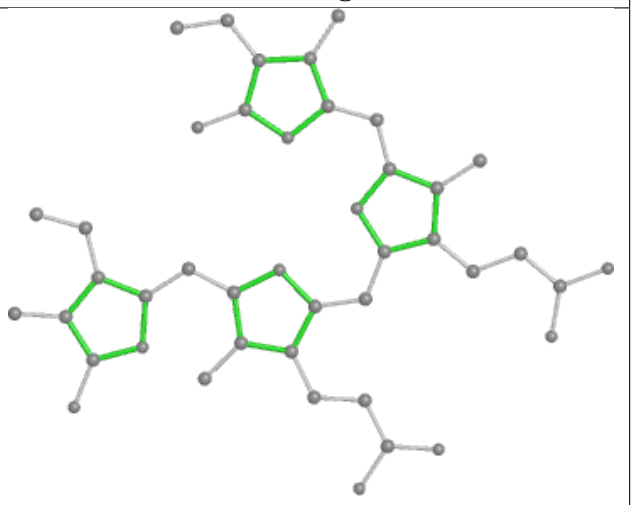
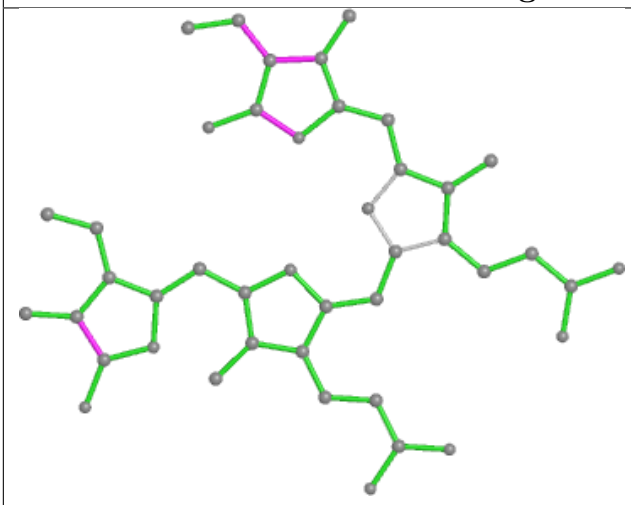


Rings

Ligand PEB d5 201



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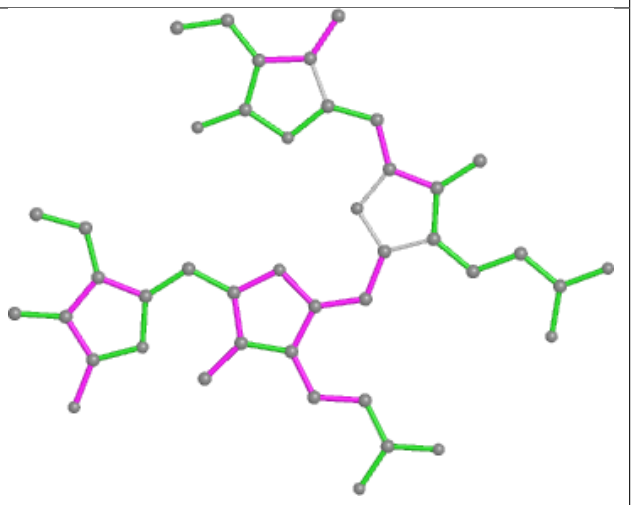

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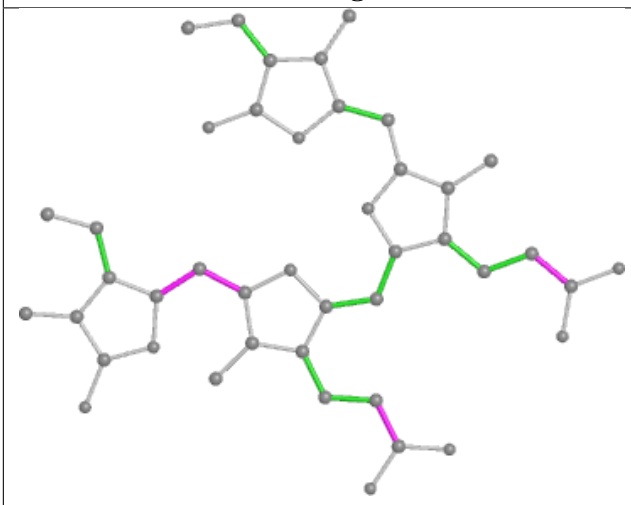

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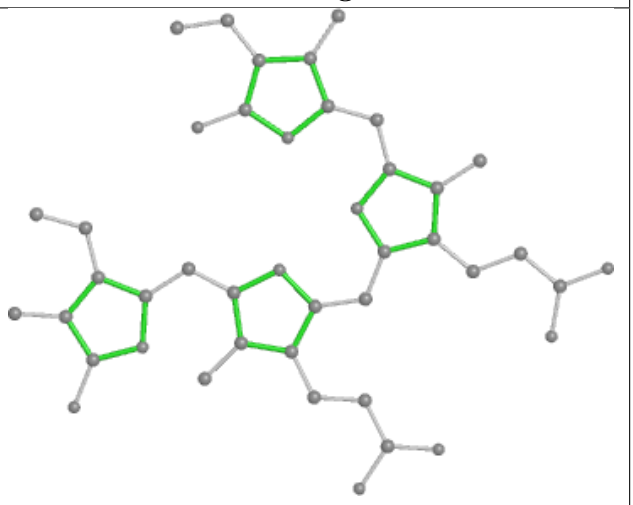
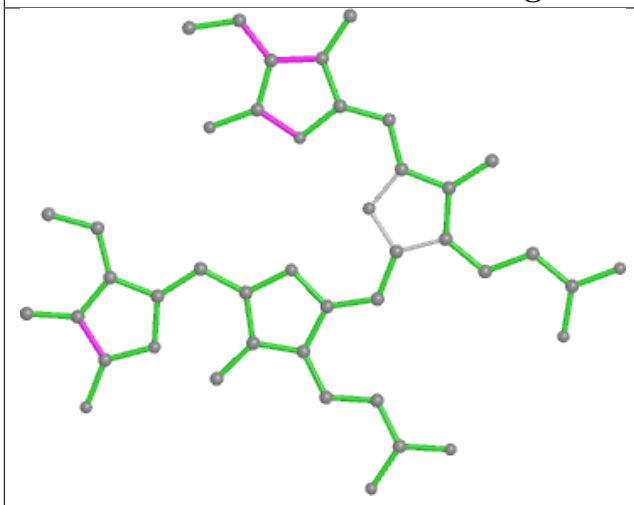


Rings

Ligand PEB f9 201



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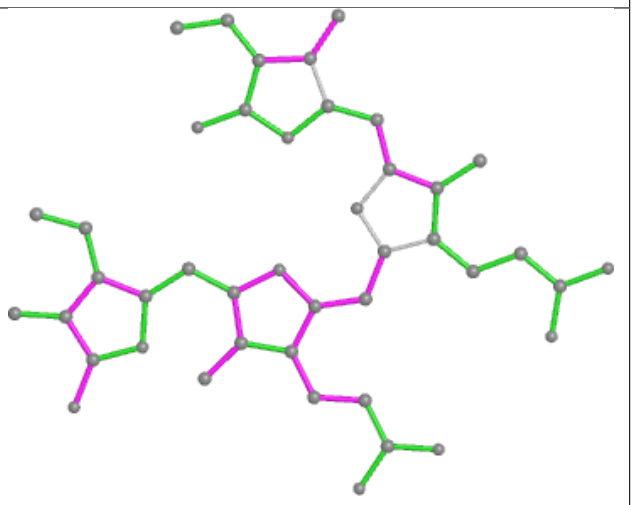

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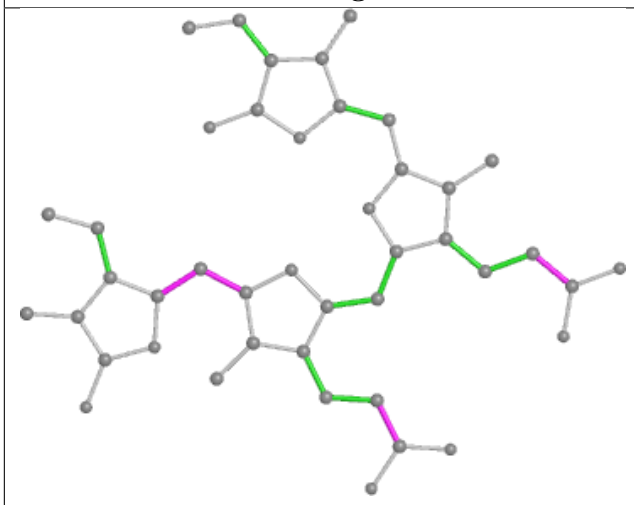

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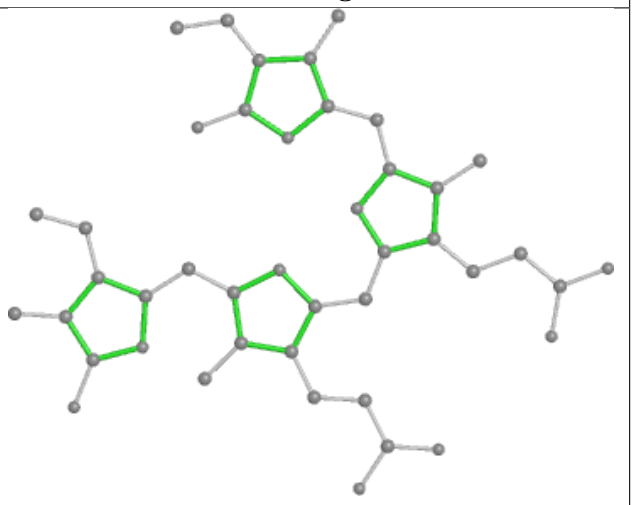

Rings

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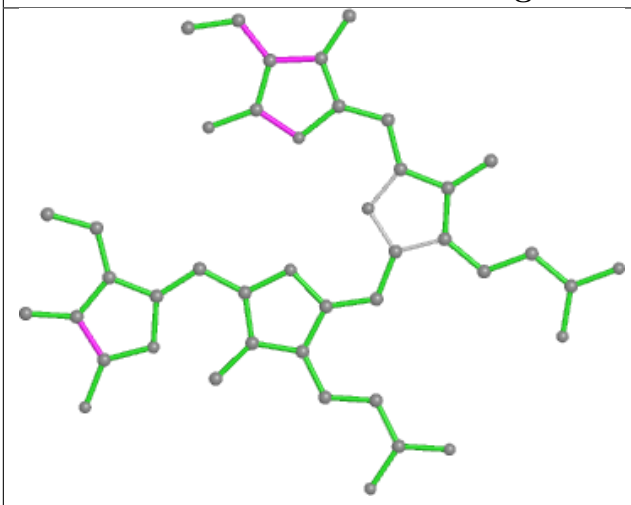

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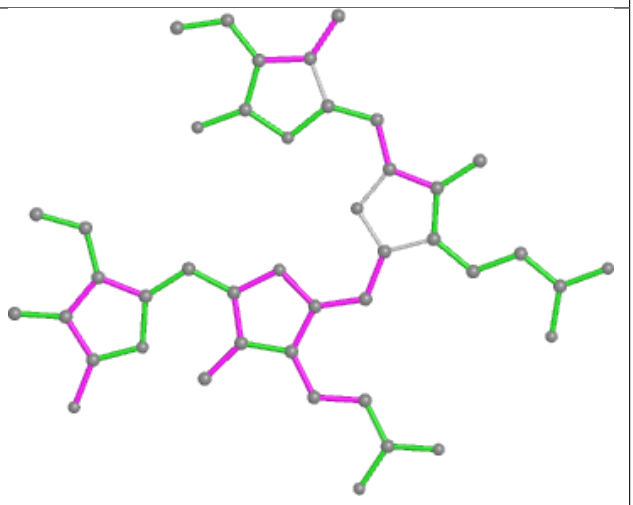

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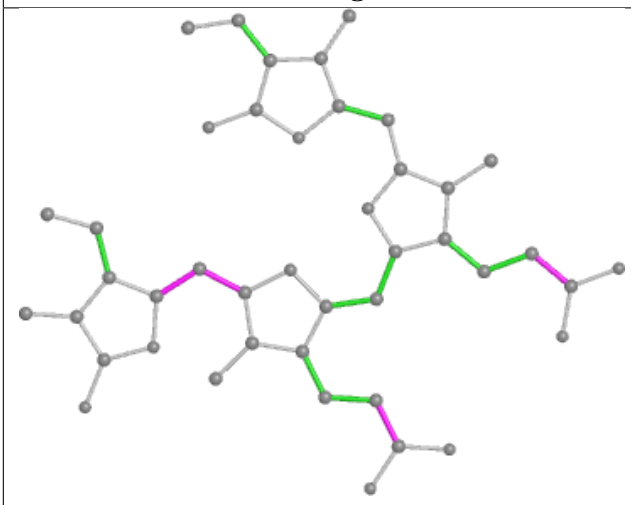

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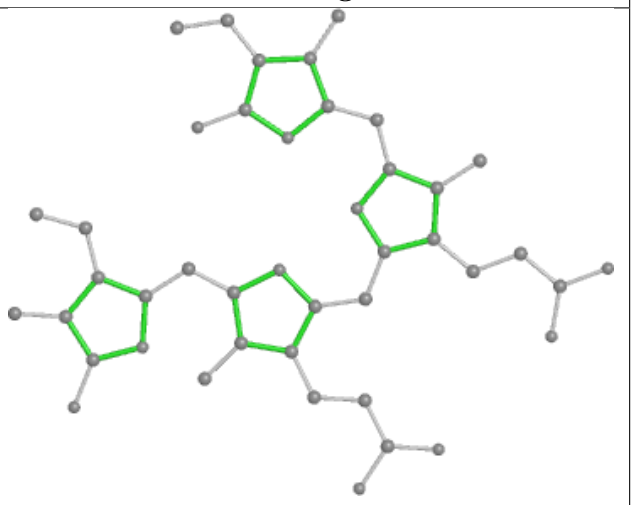

Rings

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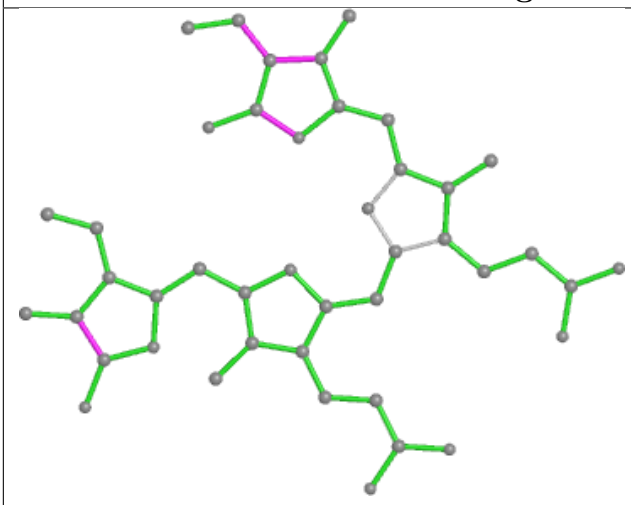

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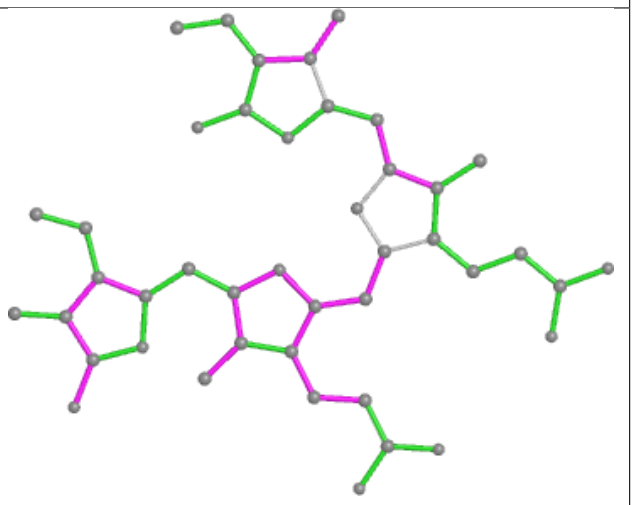

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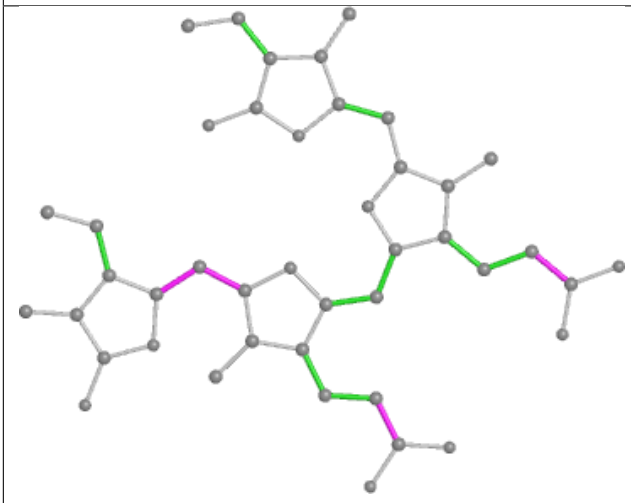

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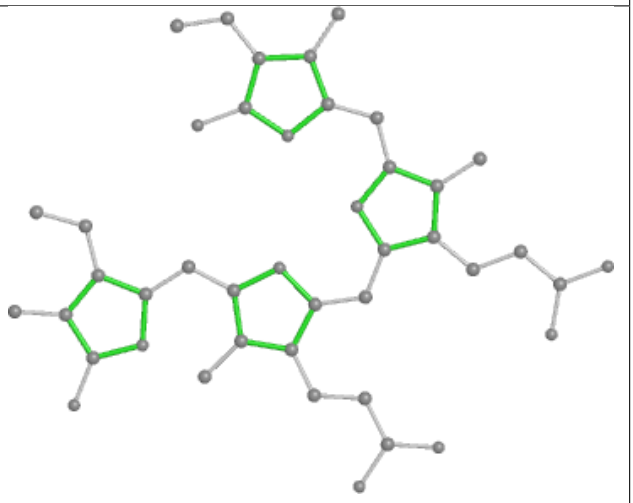
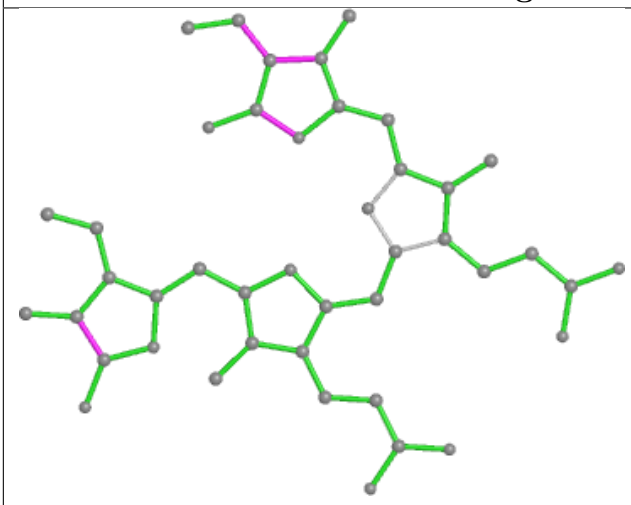


Rings

Ligand PEB C8 201



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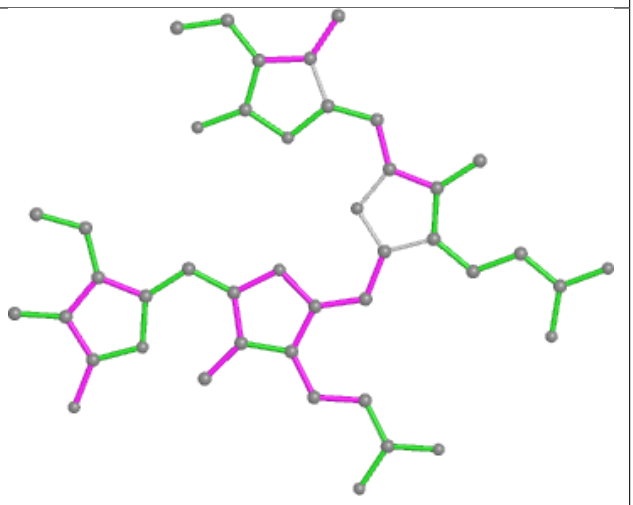

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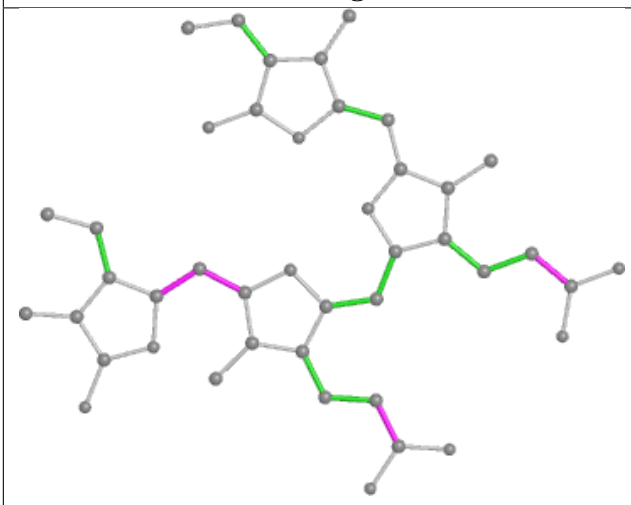

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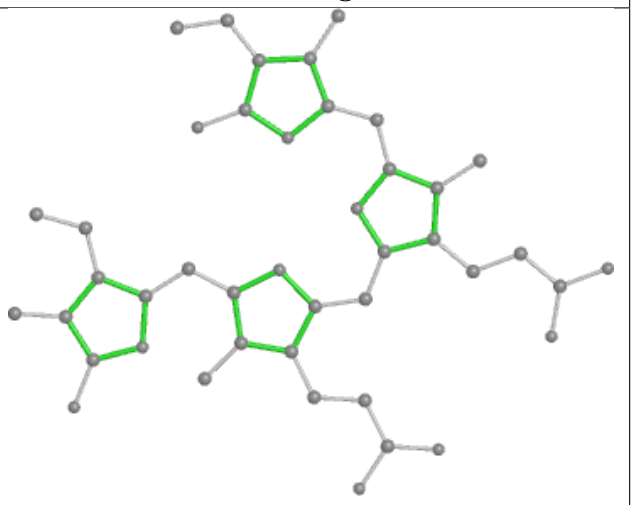

Rings

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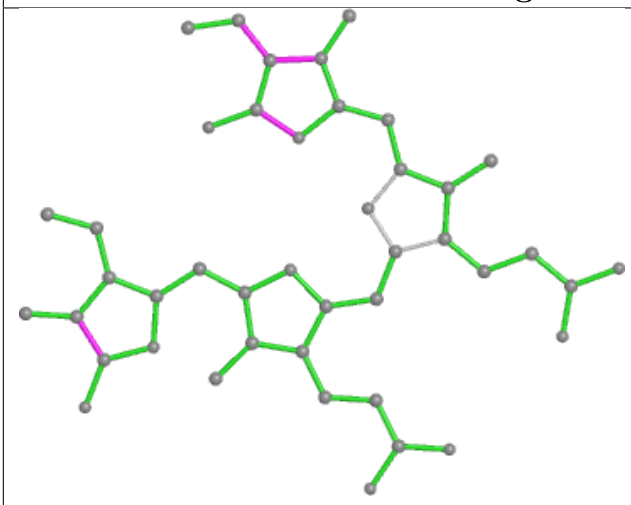

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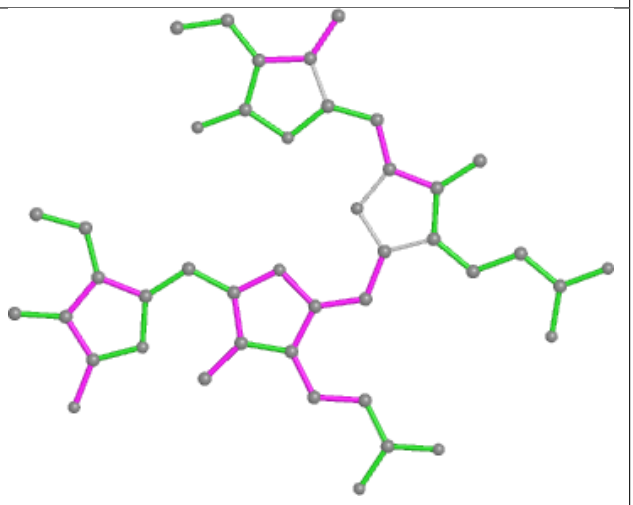

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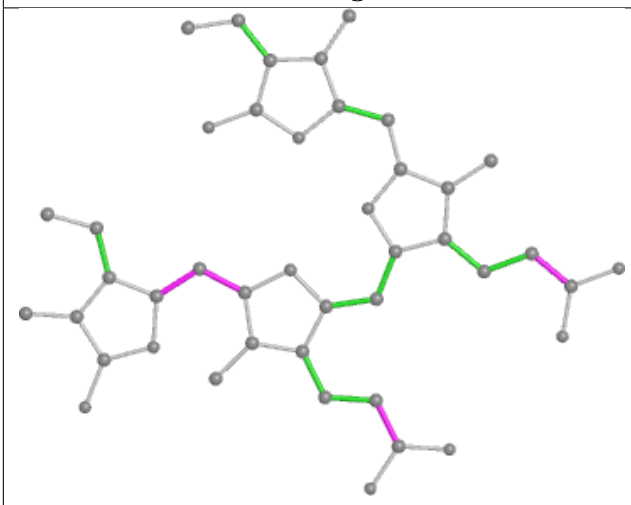

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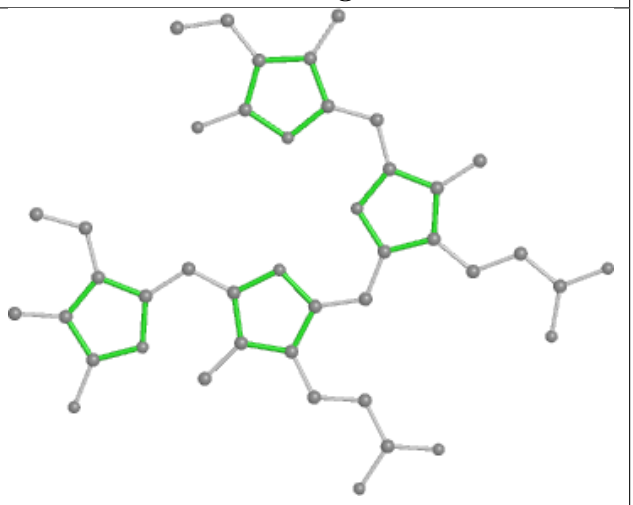
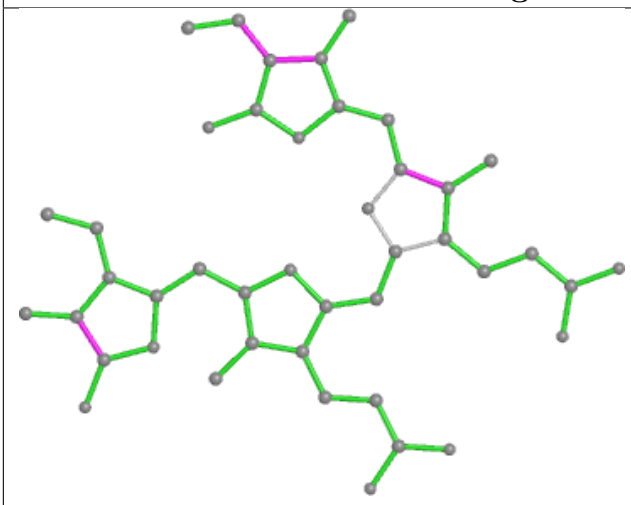


Rings

Ligand PEB ek 1002



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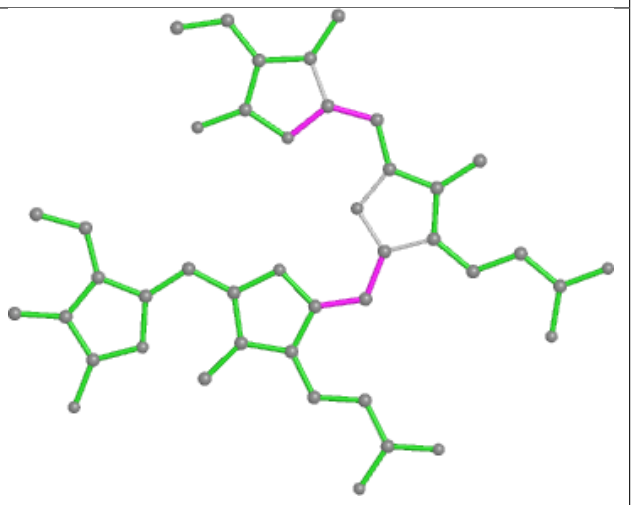

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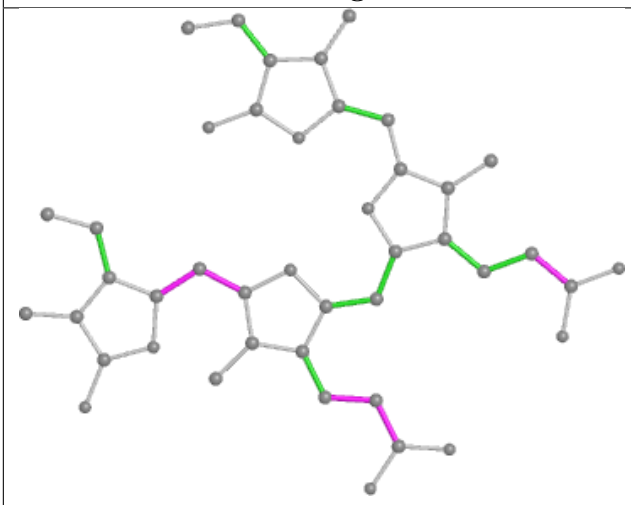

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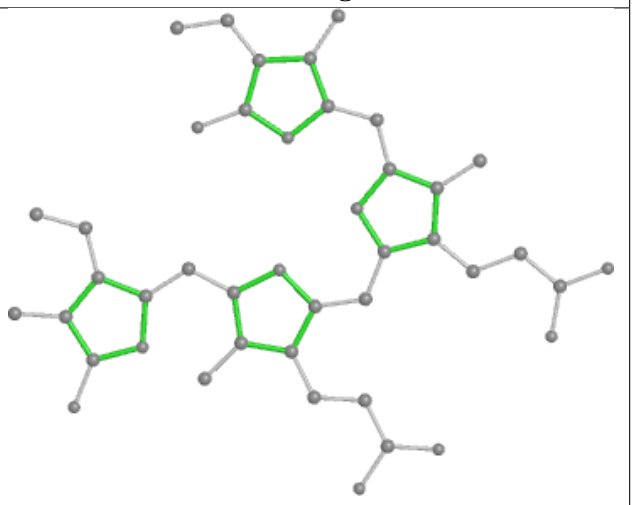
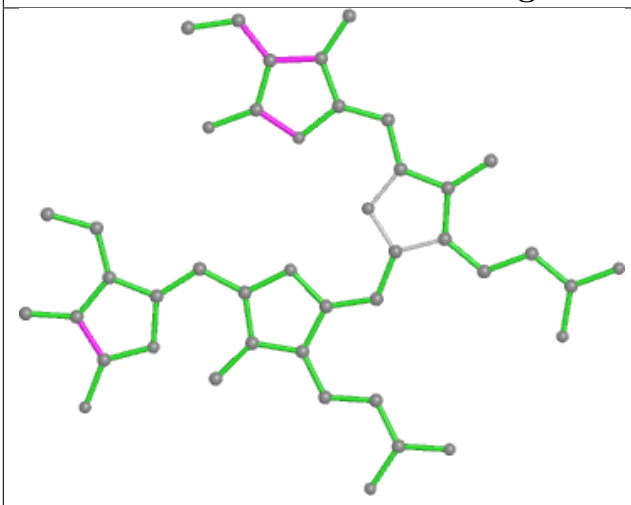


Rings

Ligand PEB L4 202



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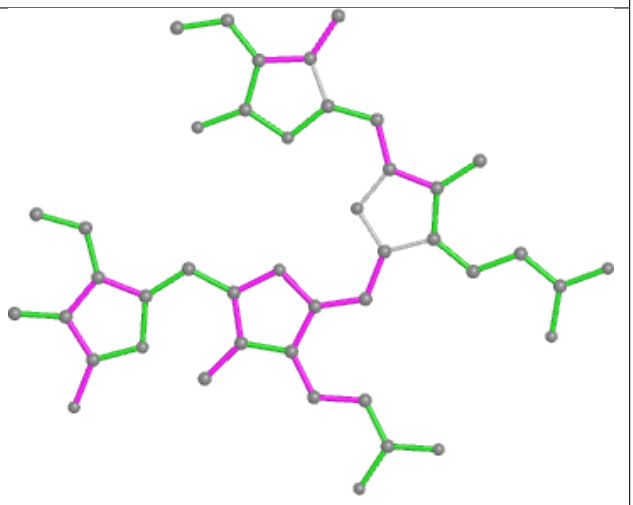

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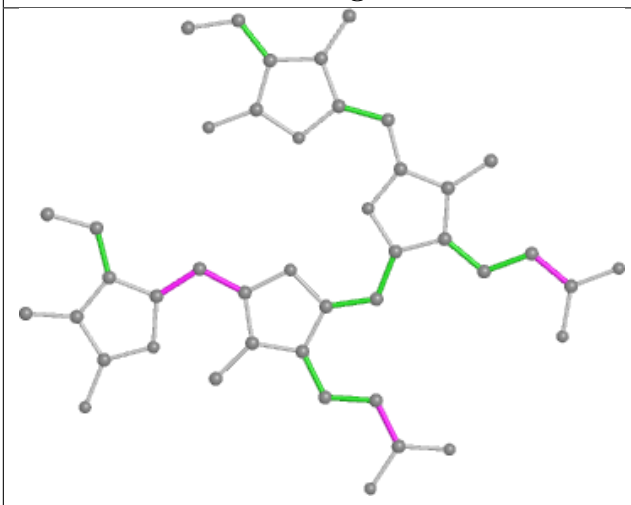

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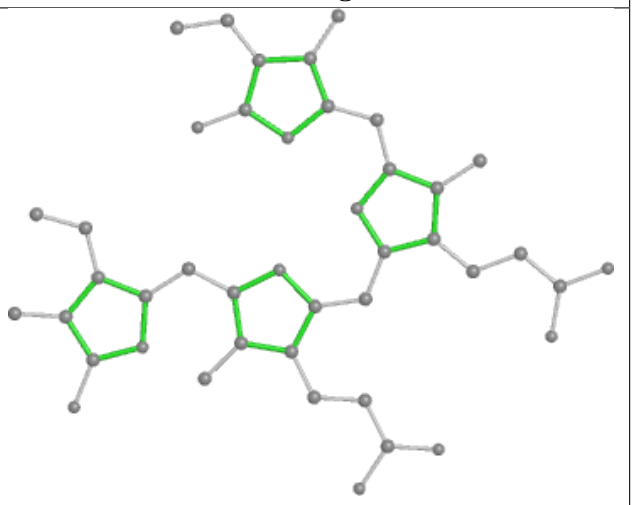

Rings

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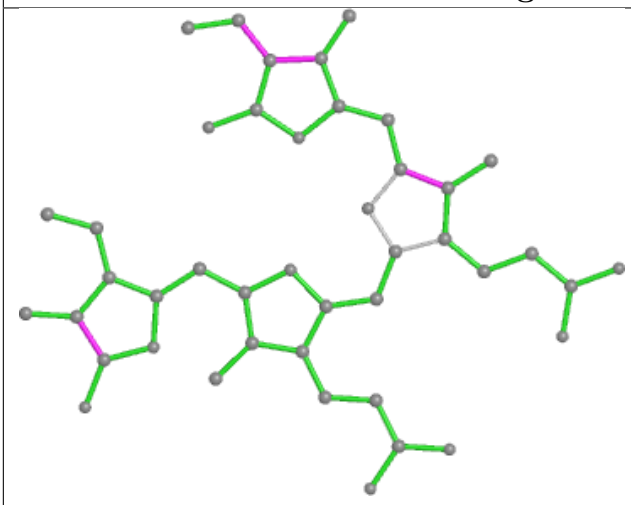

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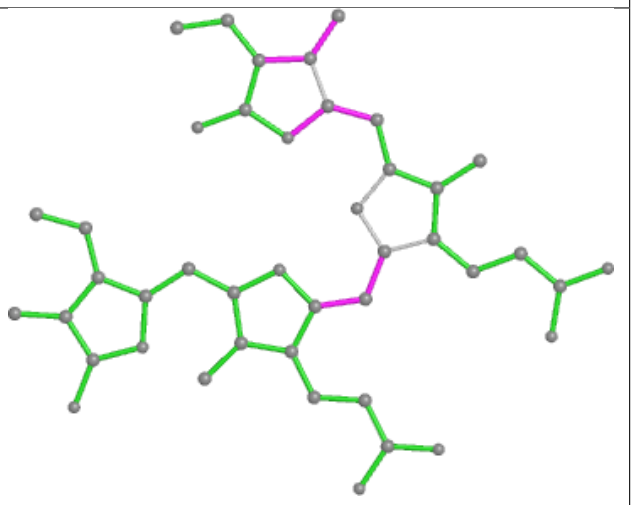

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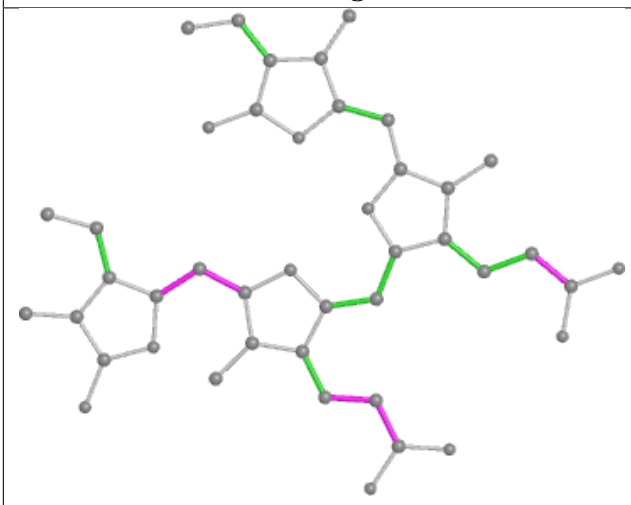

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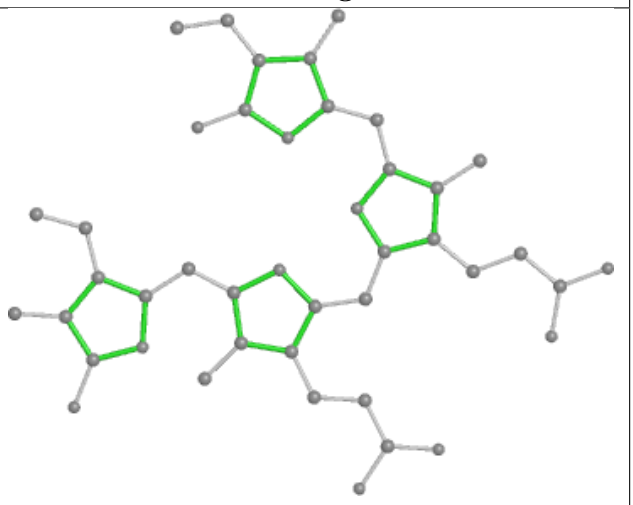
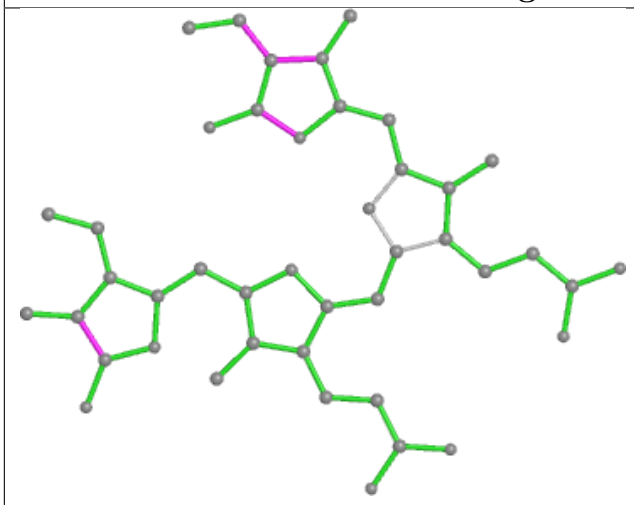


Rings

Ligand PEB bd 202



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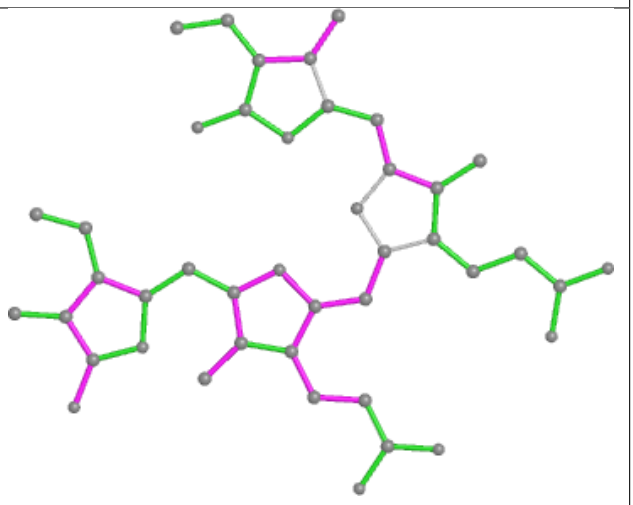

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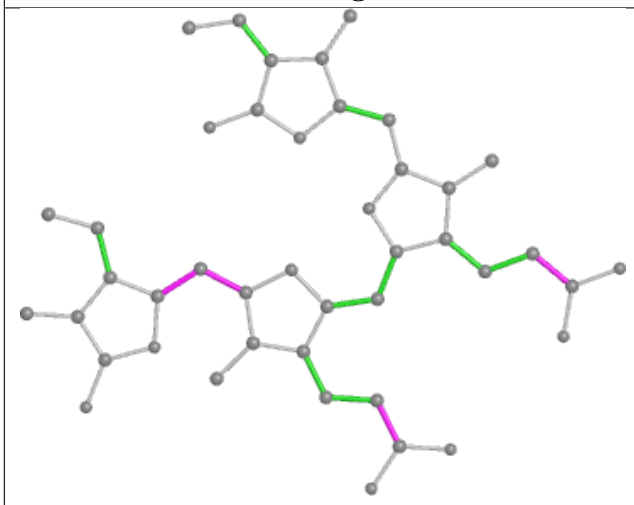
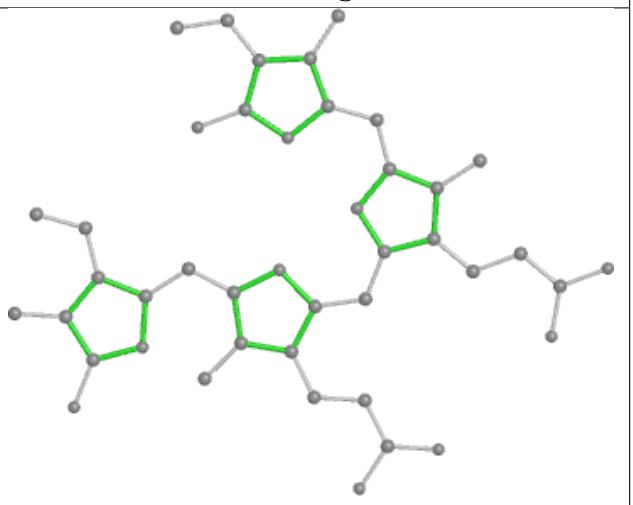
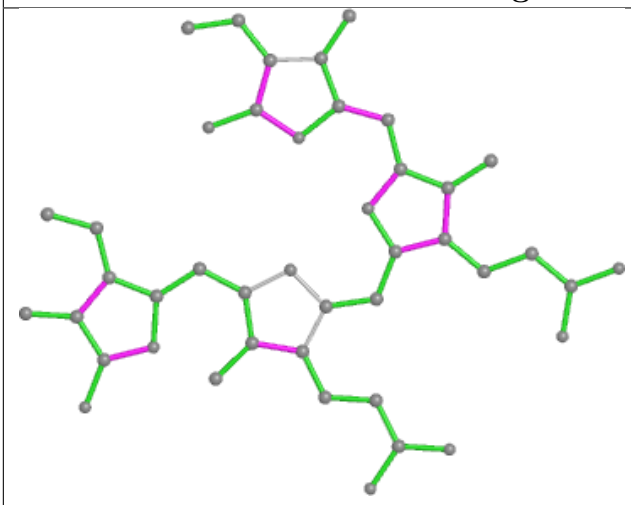


Torsions



Rings

Ligand PUB hD 203



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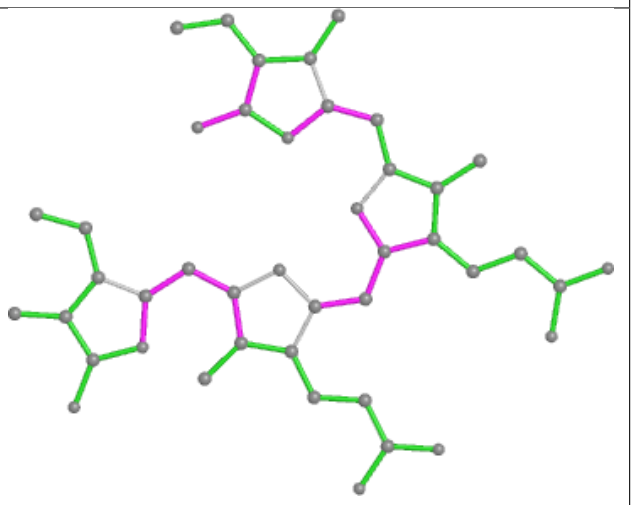

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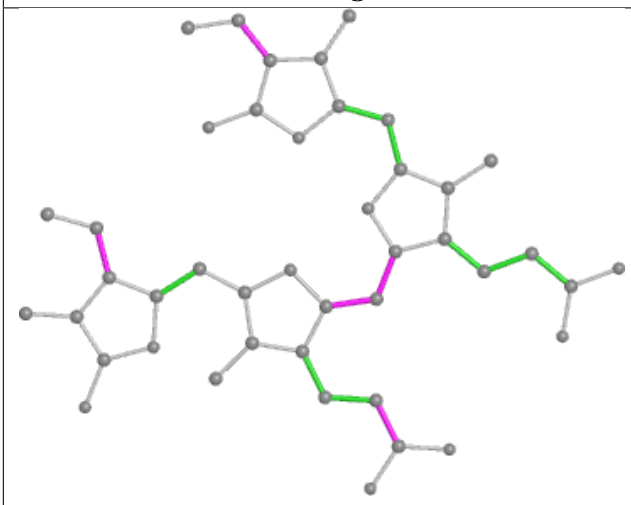

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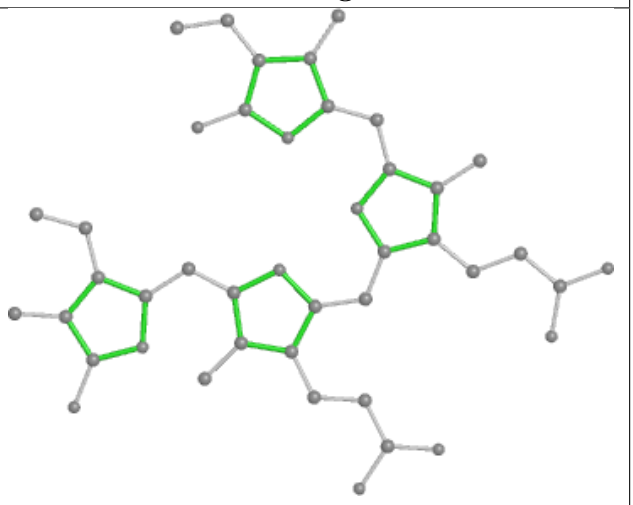
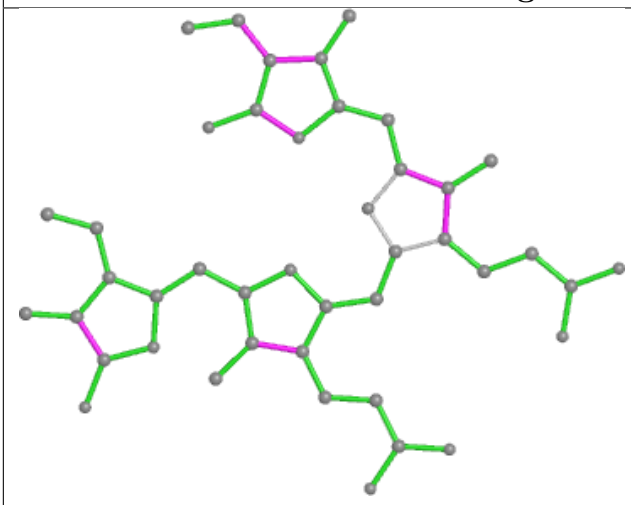


Rings

Ligand PEB F3 202



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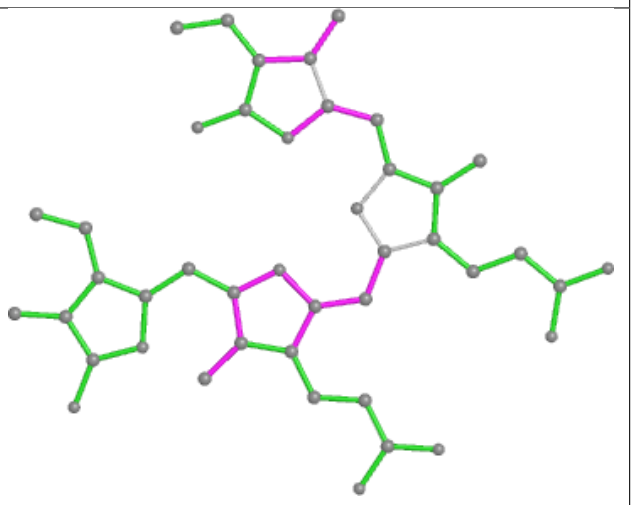

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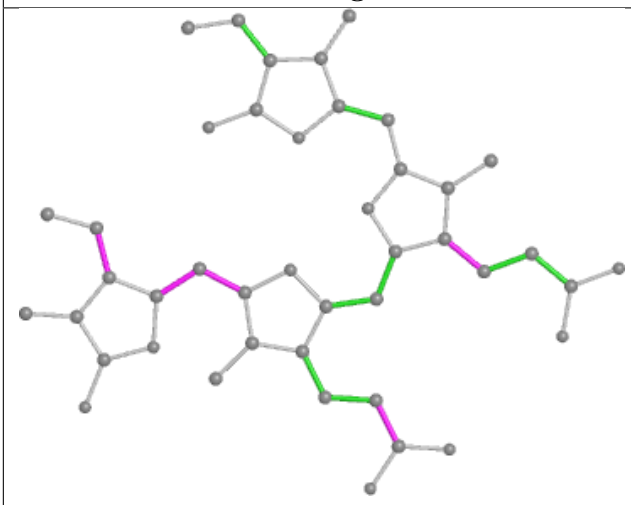

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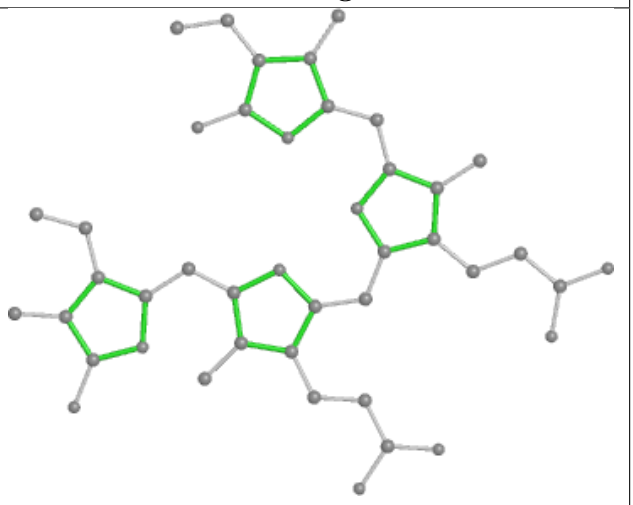
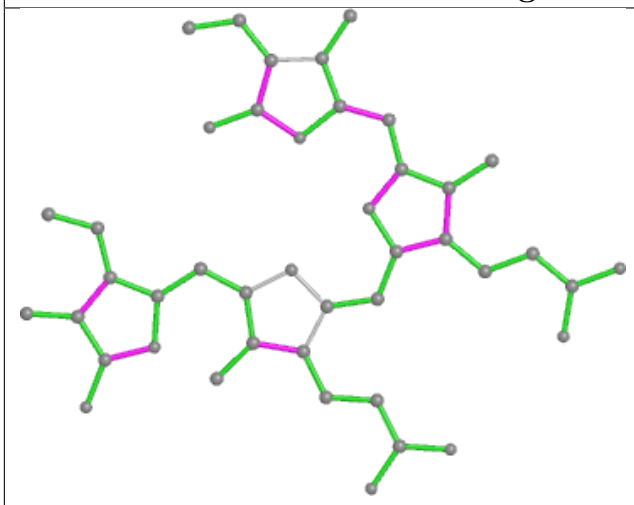


Rings

Ligand PUB x4 202



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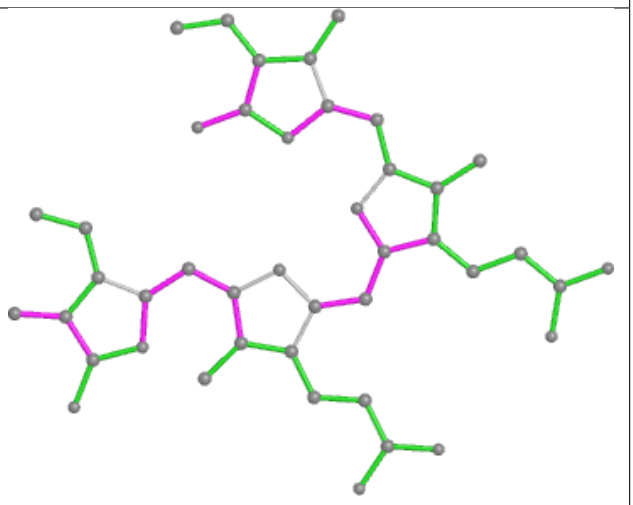

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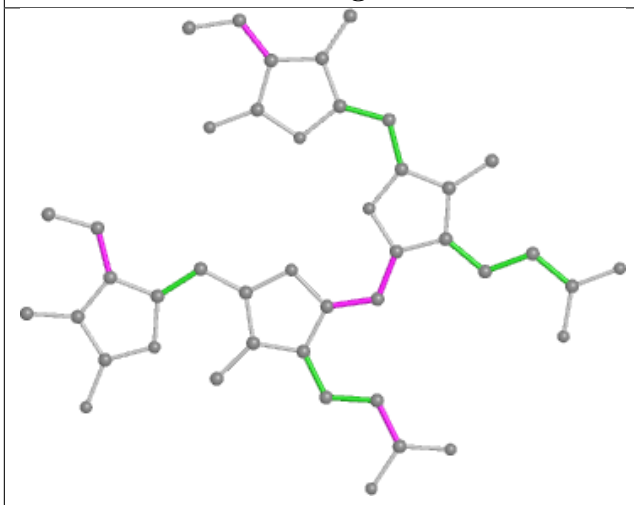

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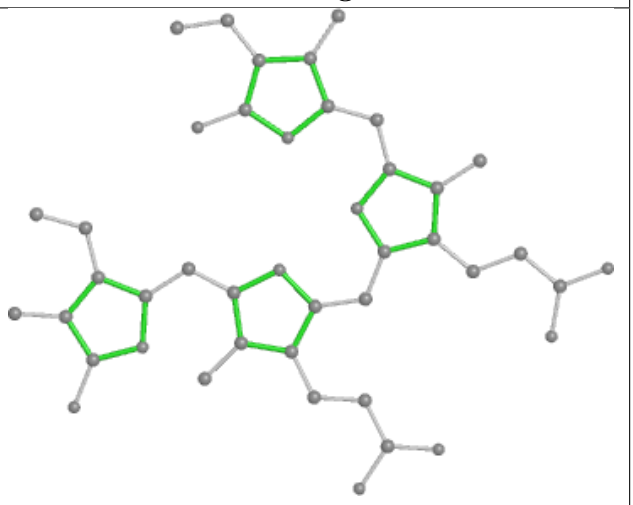
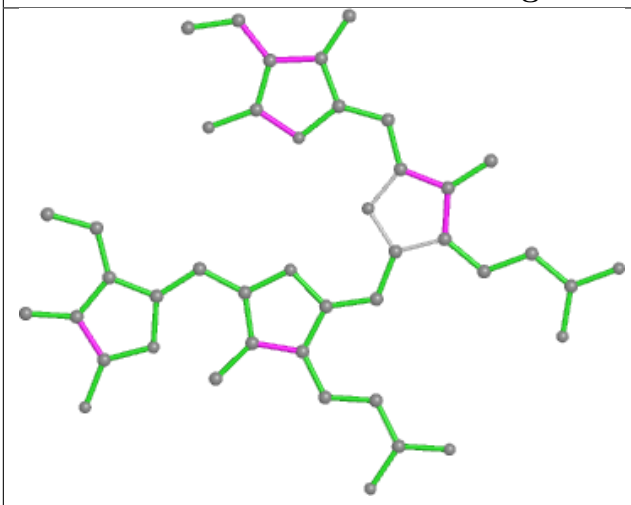


Rings

Ligand PEB t7 202



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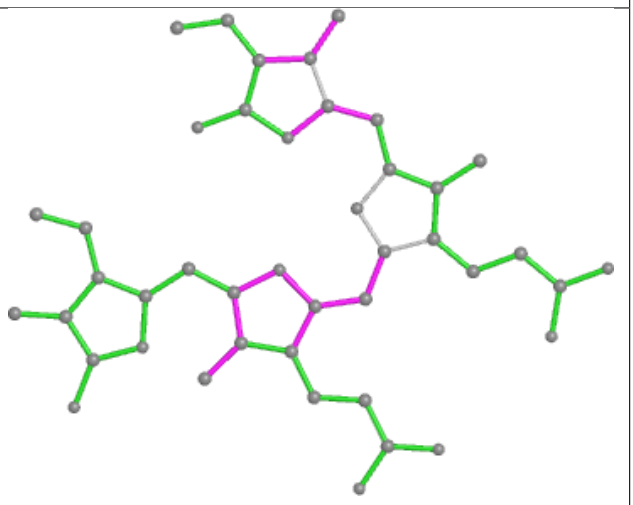

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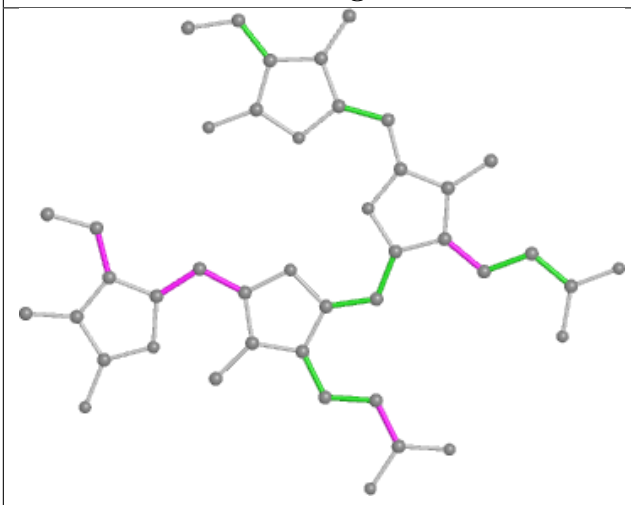

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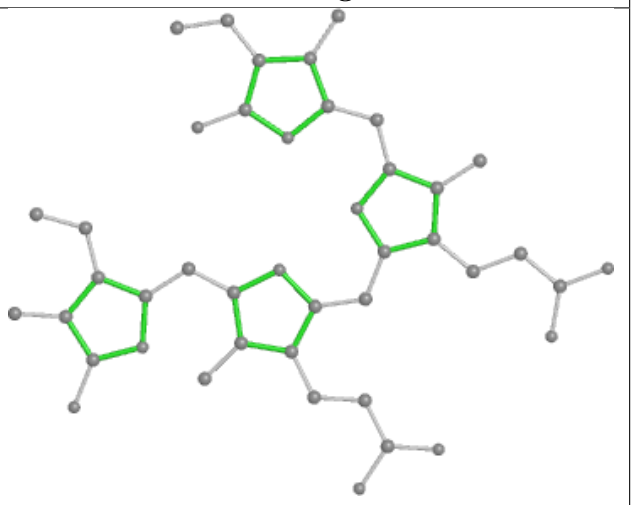
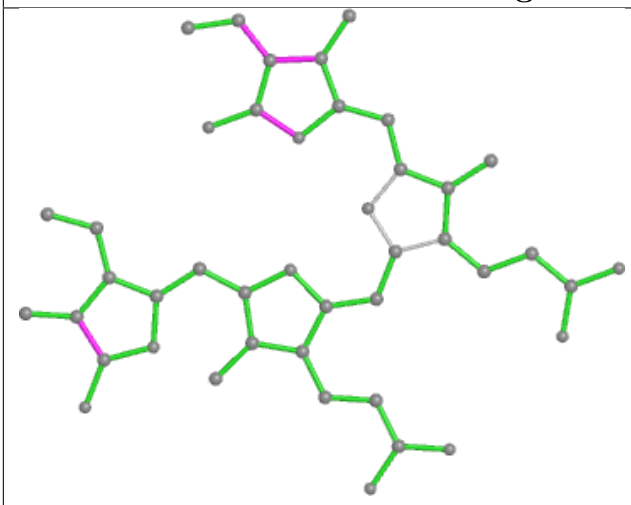


Rings

Ligand PEB eN 201



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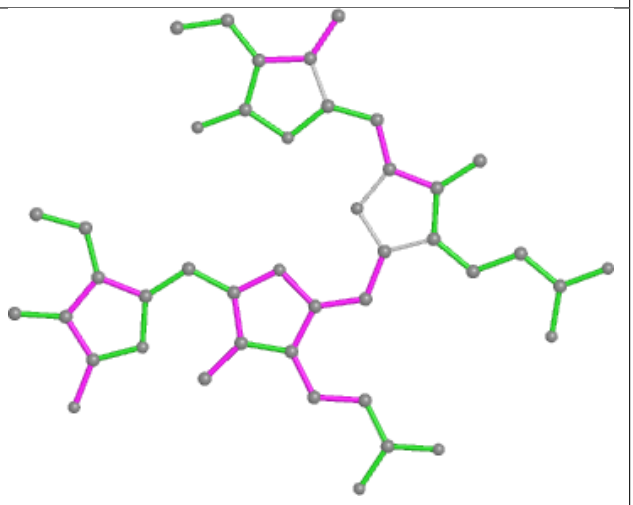

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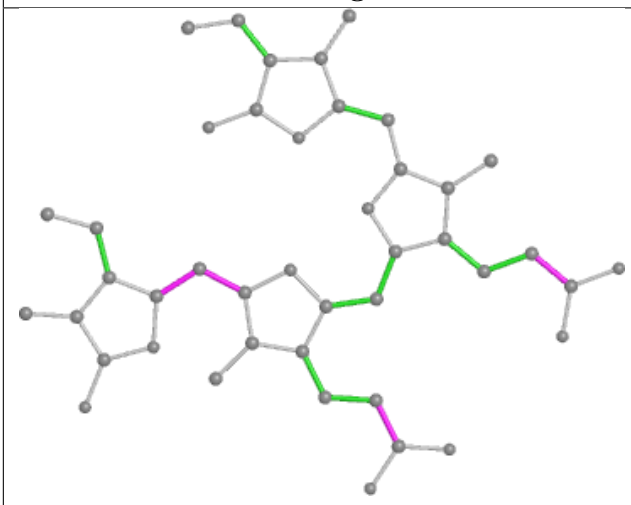

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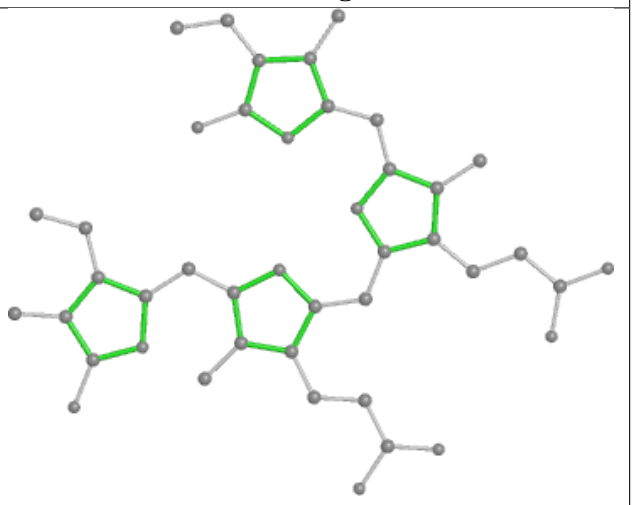
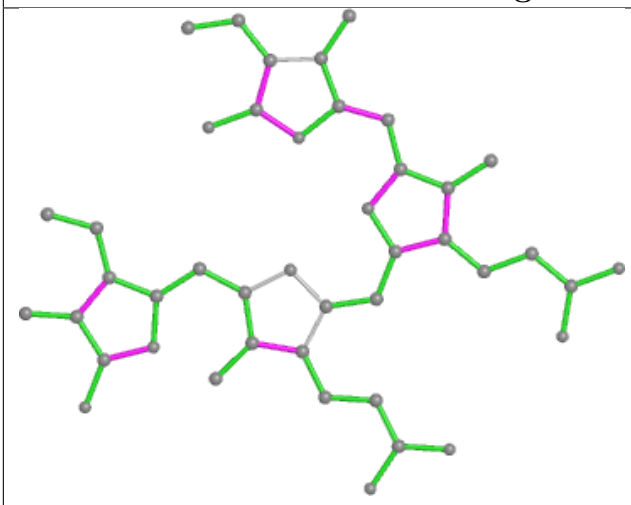


Rings

Ligand PUB P6 203



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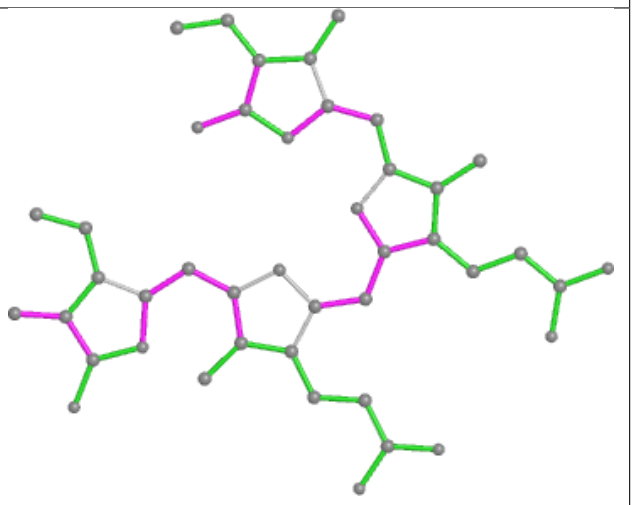

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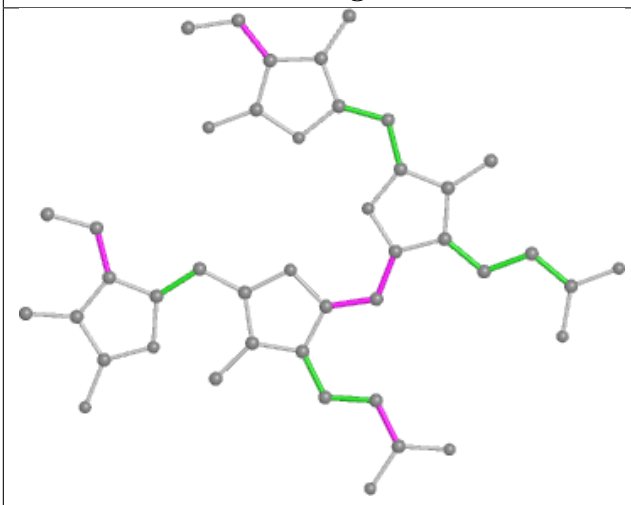

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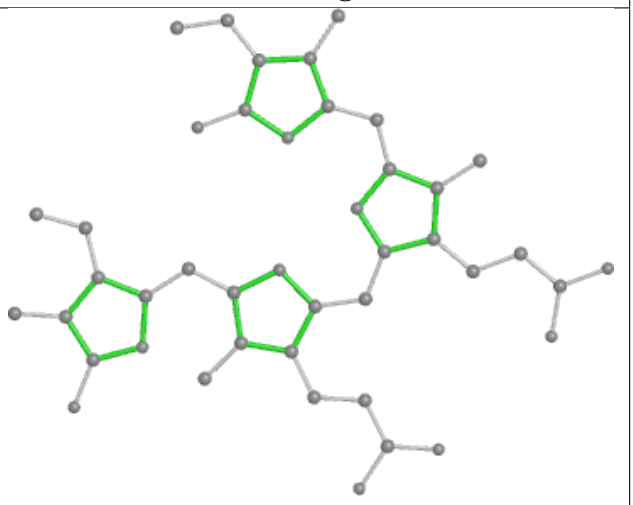
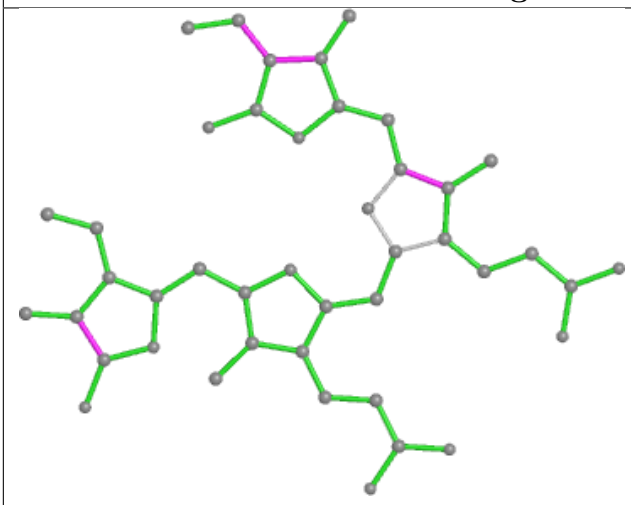


Rings

Ligand PEB W3 202



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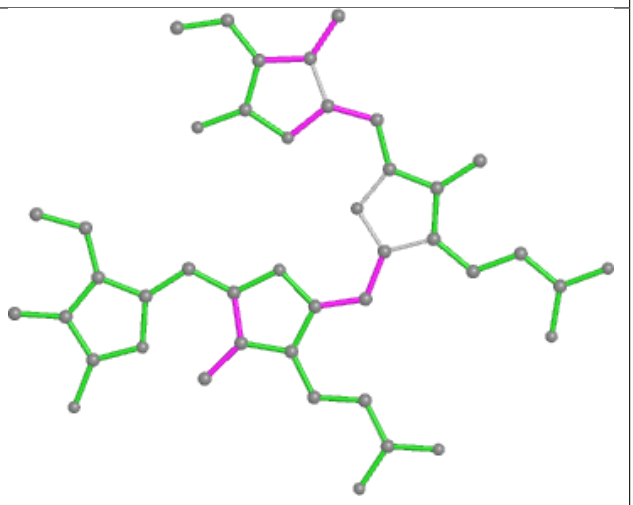

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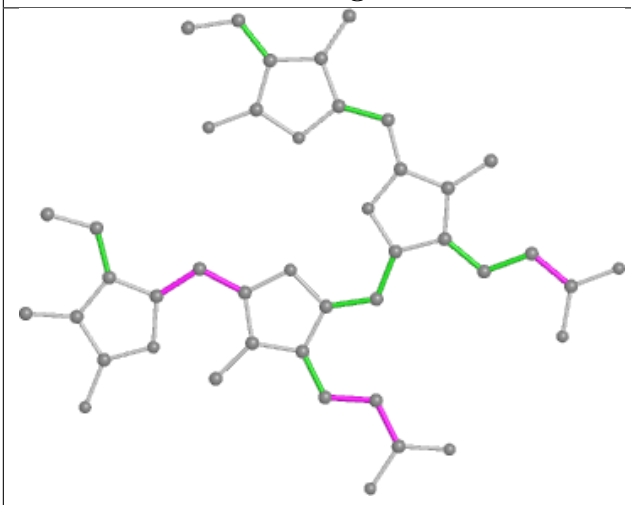

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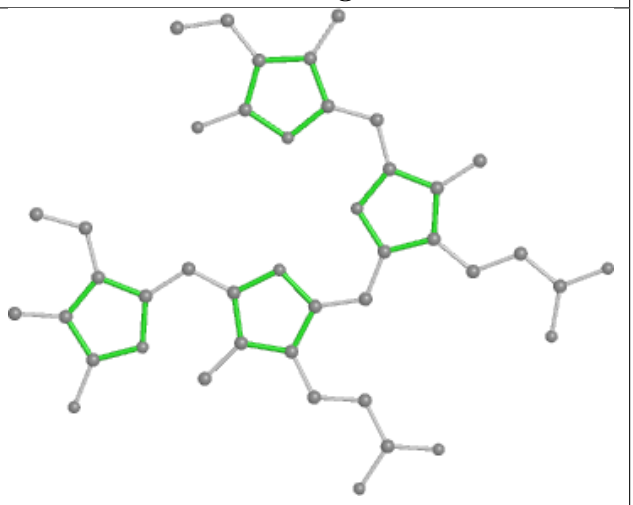
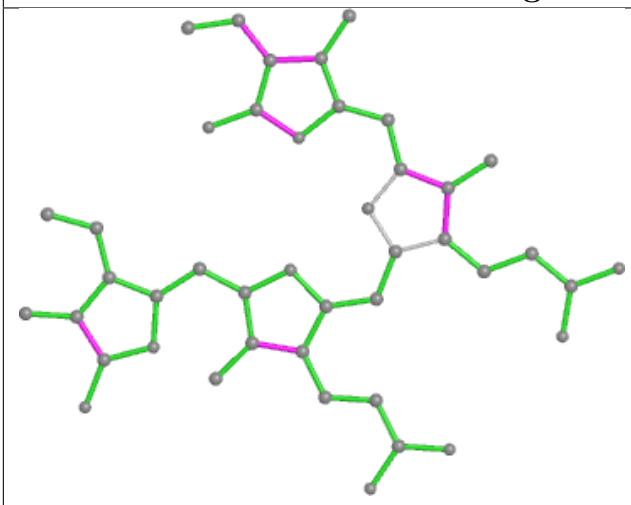


Rings

Ligand PEB j3 201



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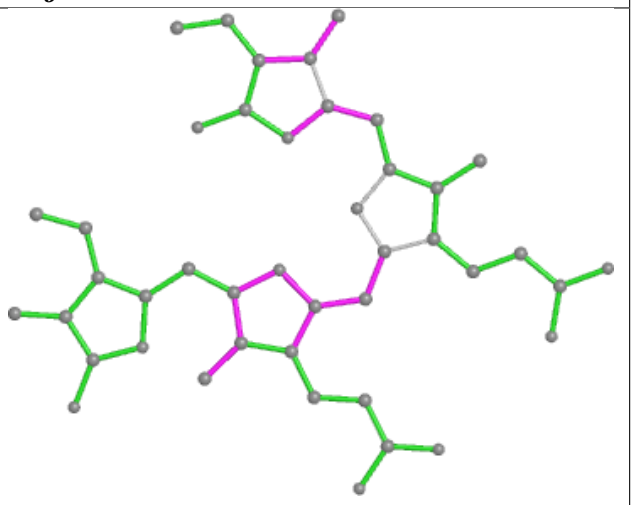

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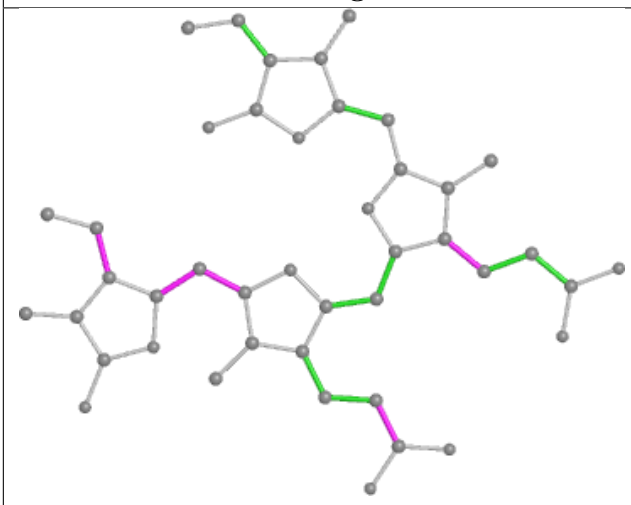

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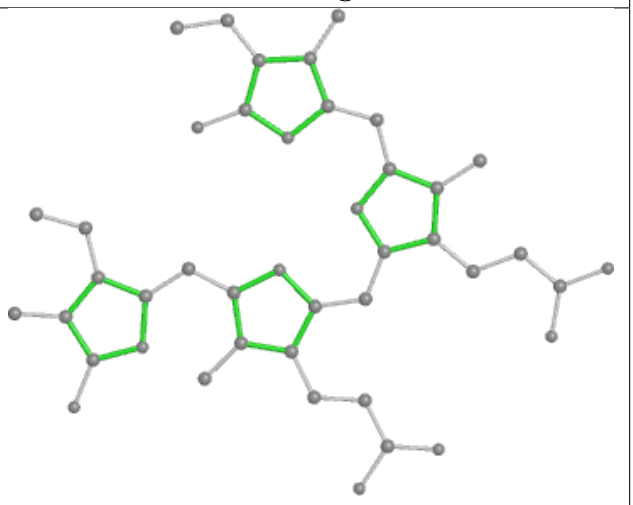
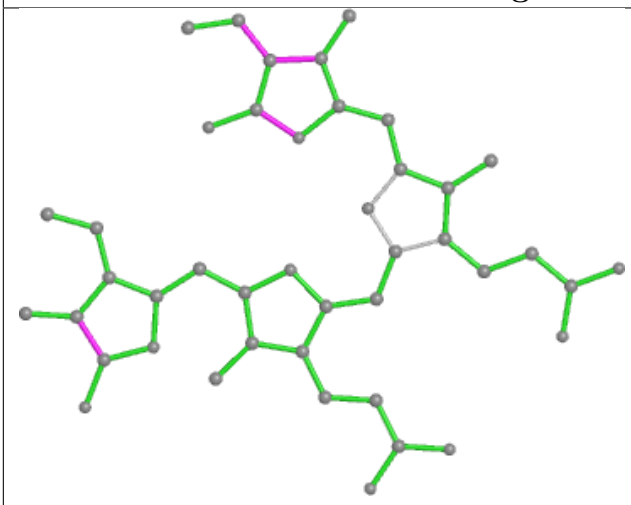


Rings

Ligand PEB bs 1003



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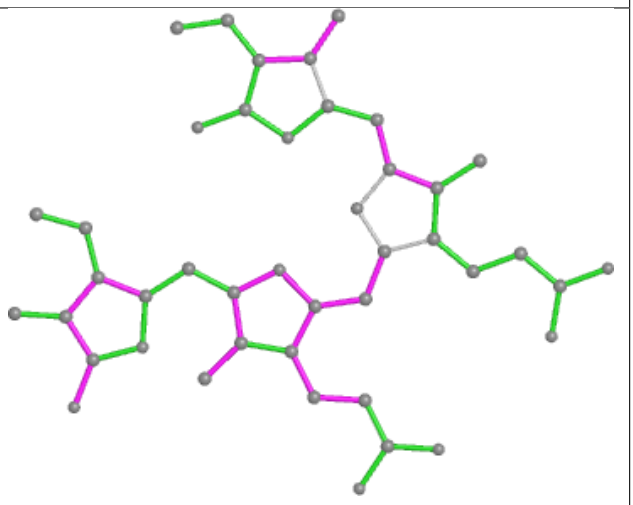

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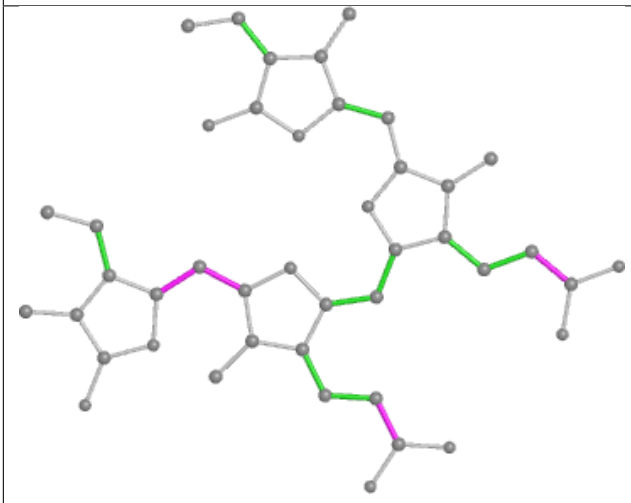

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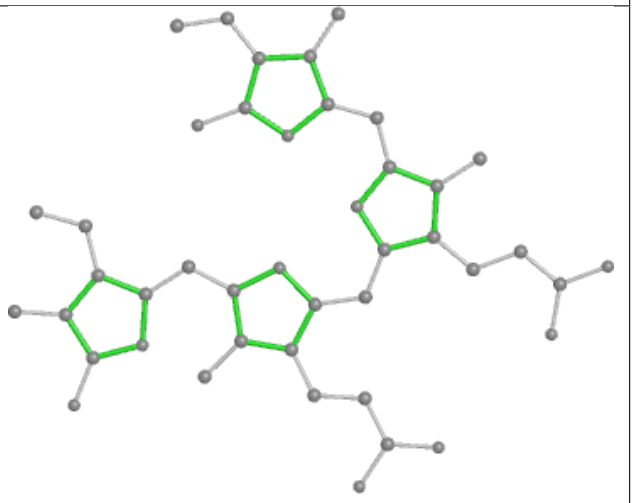
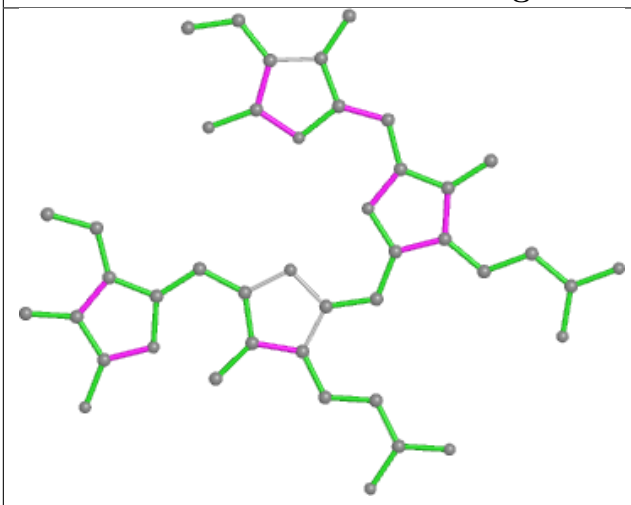


Rings

Ligand PUB H2 202



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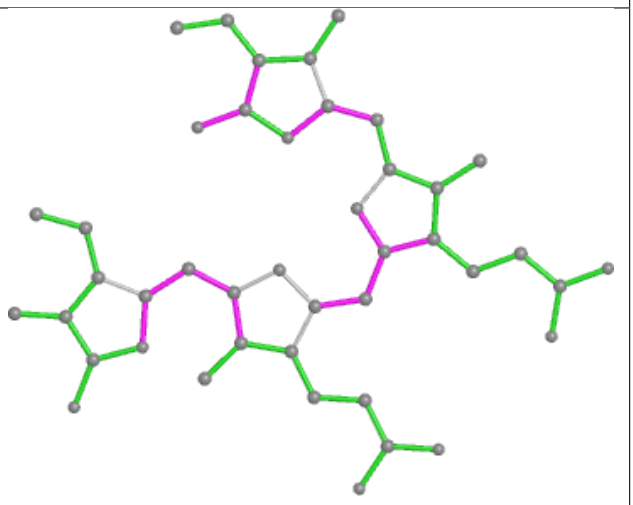

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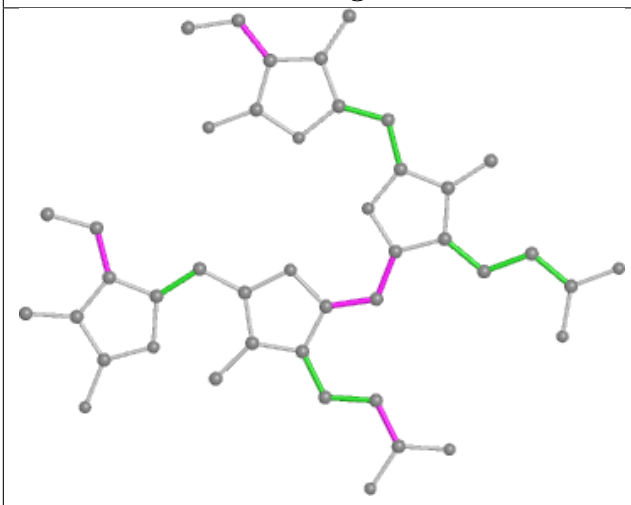

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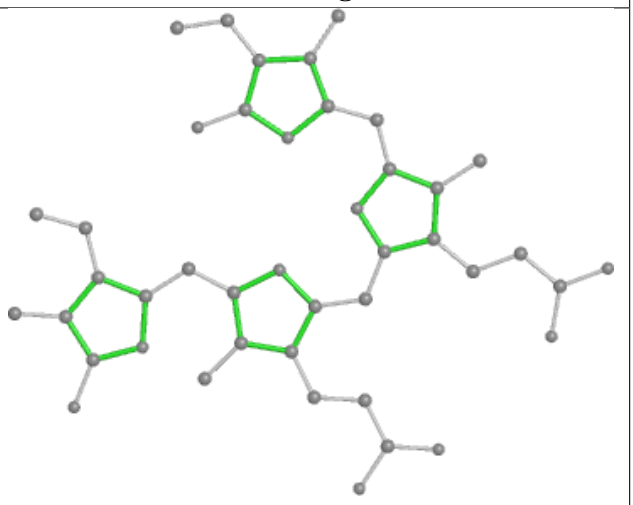
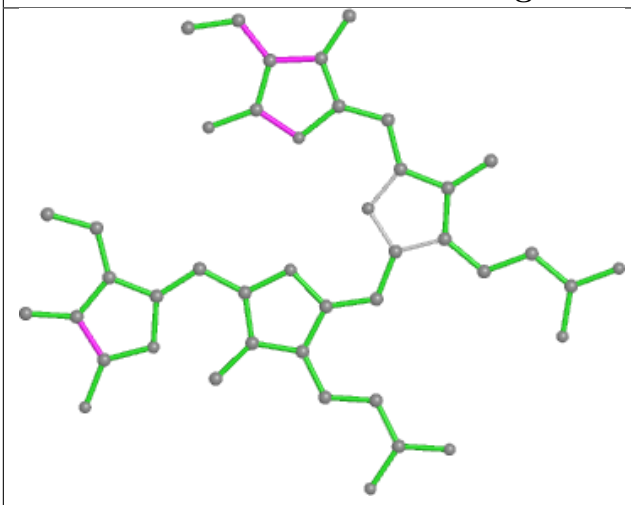


Rings

Ligand PEB aH 201



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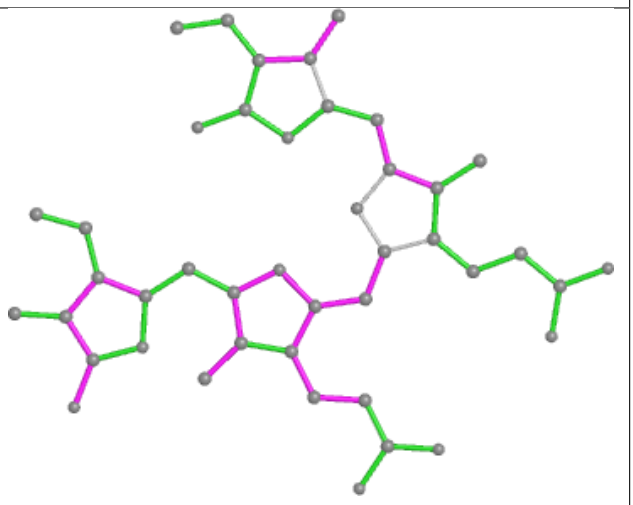

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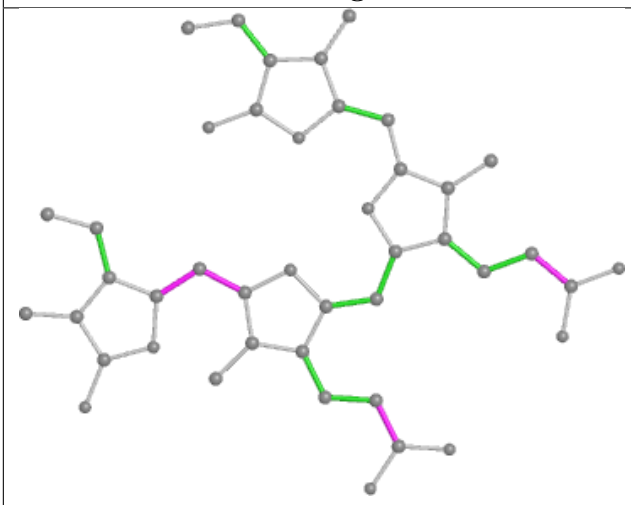

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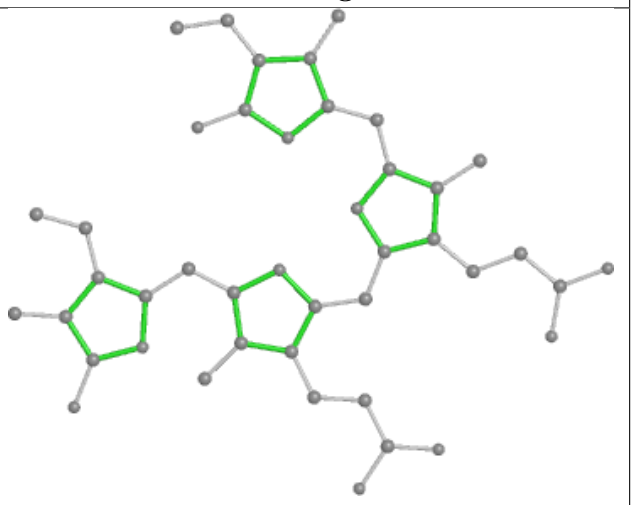
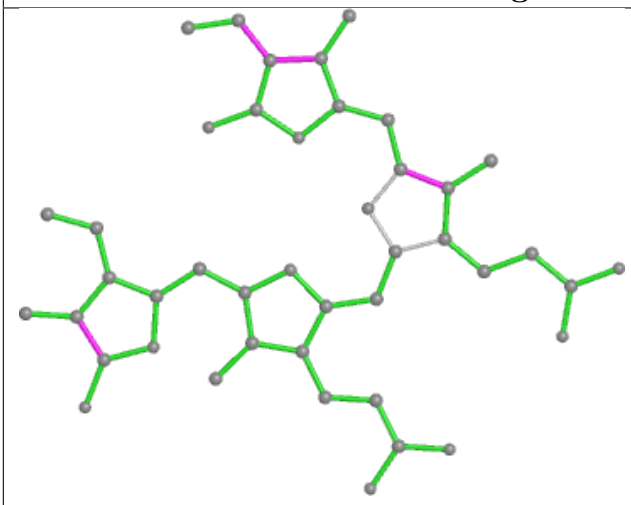


Rings

Ligand PEB ay 1002



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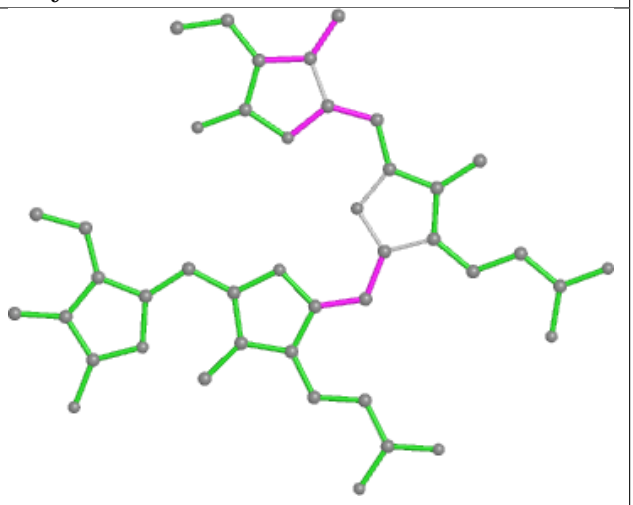

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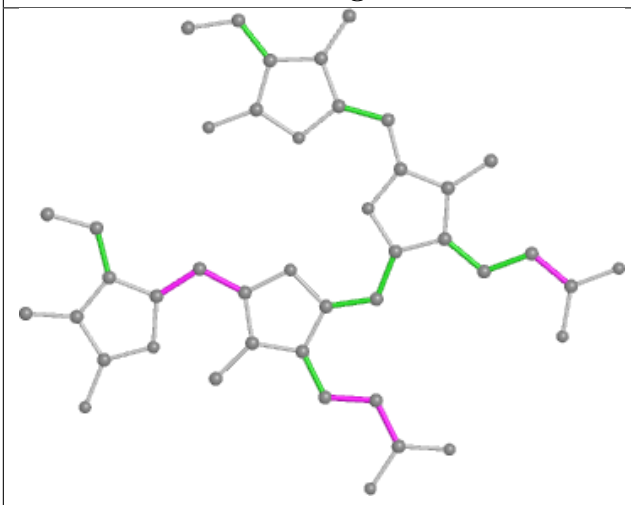

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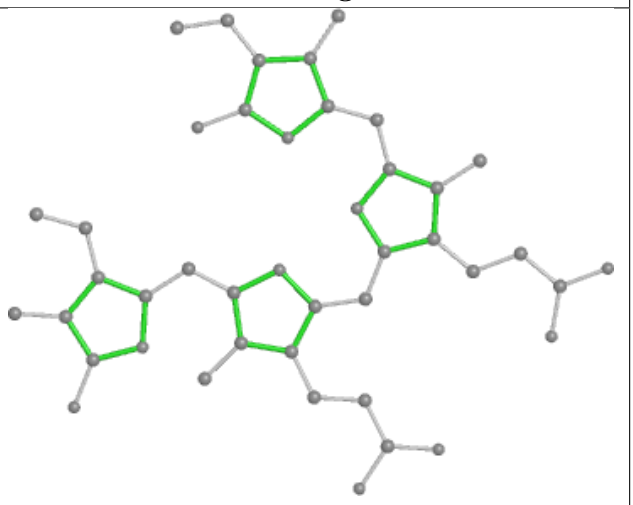
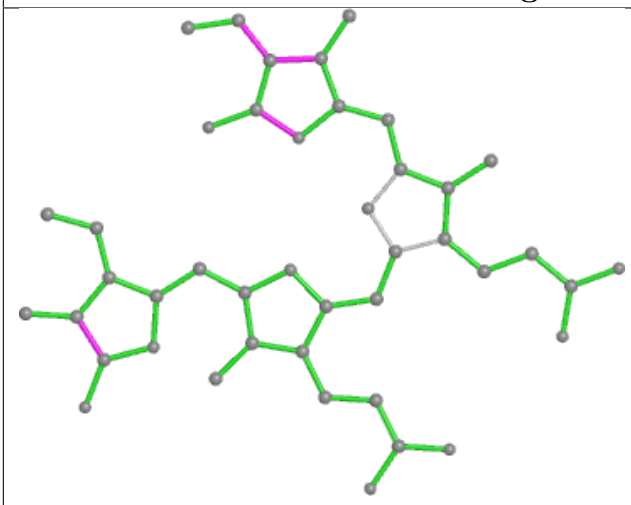


Rings

Ligand PEB z8 201



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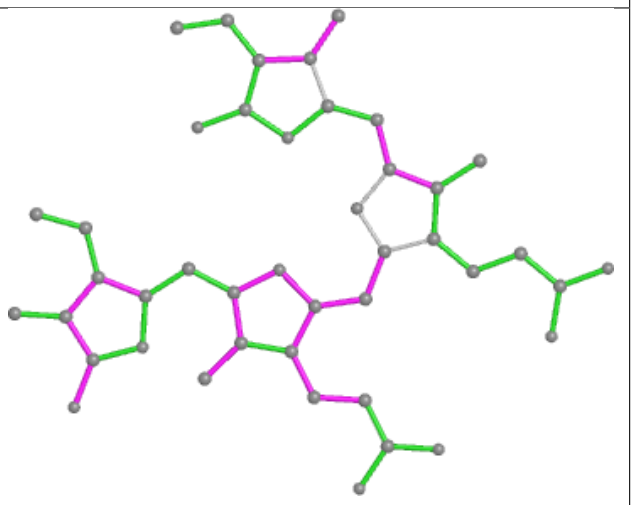
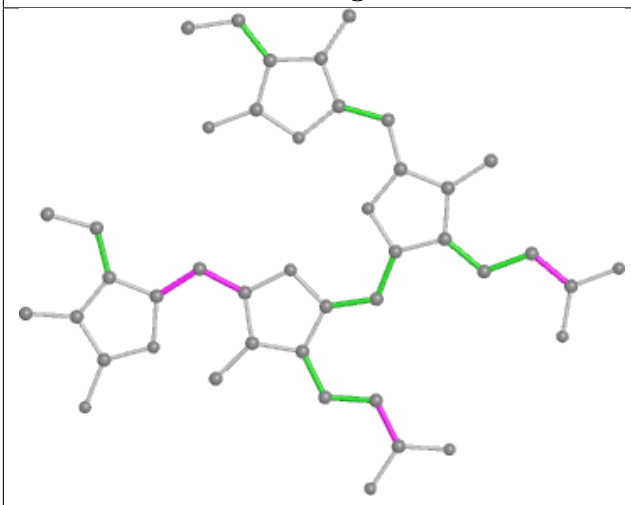


Bond angles



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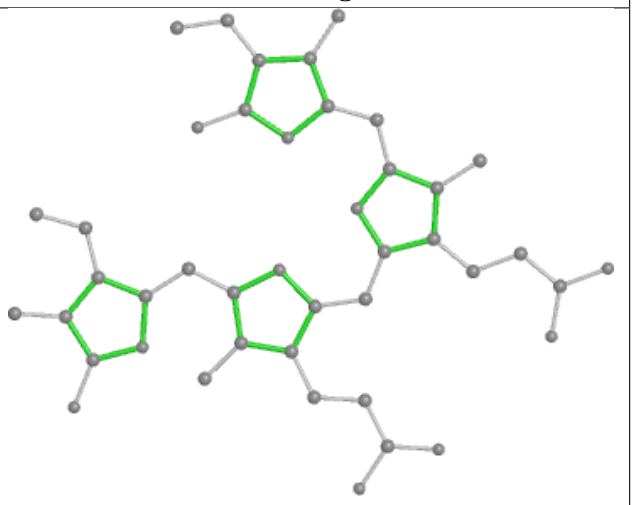
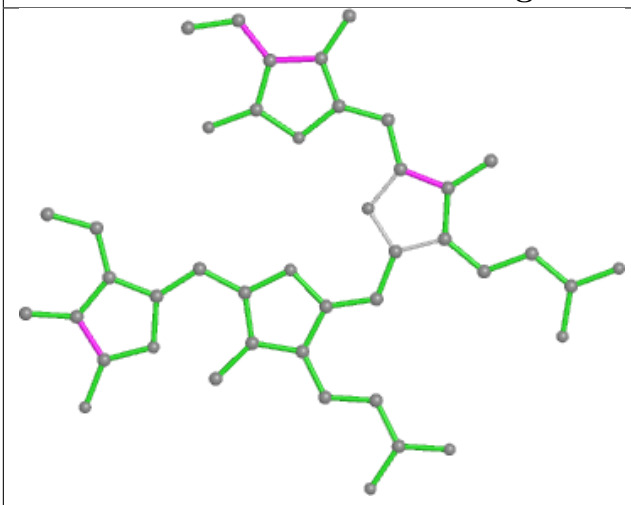
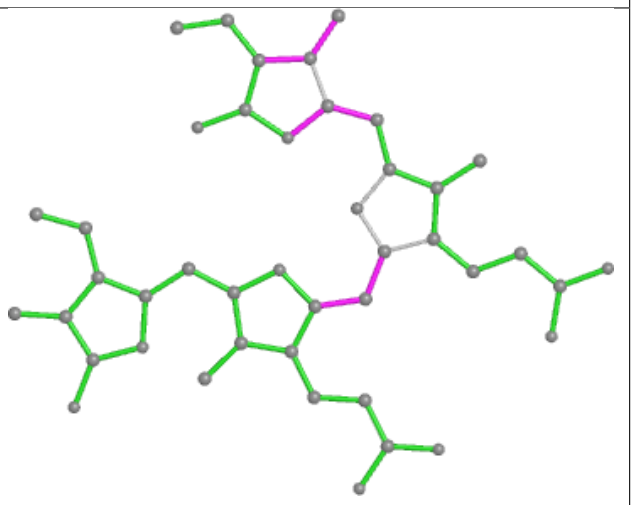


Rings

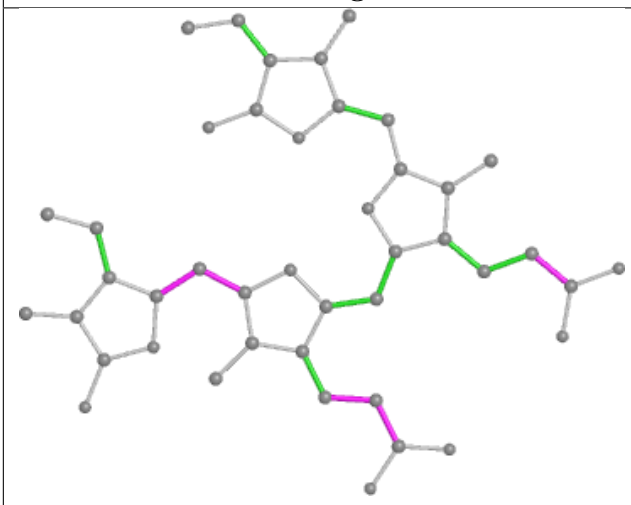
Ligand PEB cK 202



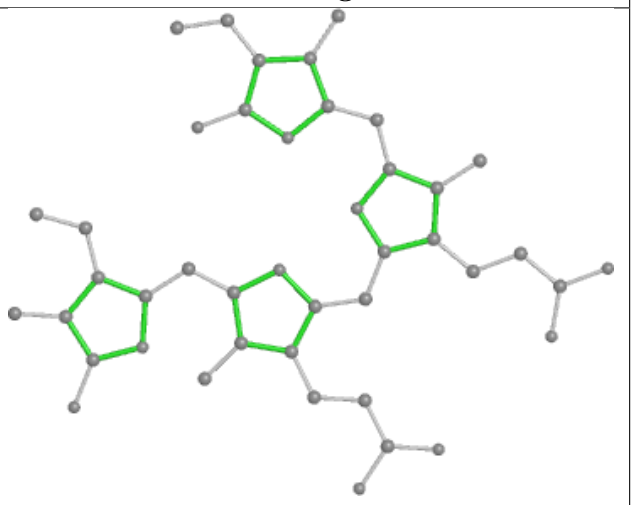
Bond lengths



Bond angles

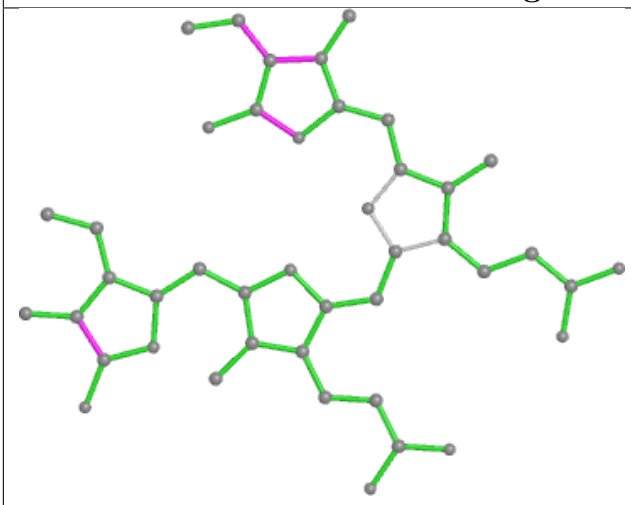


Torsions



Rings

Ligand PEB f8 202



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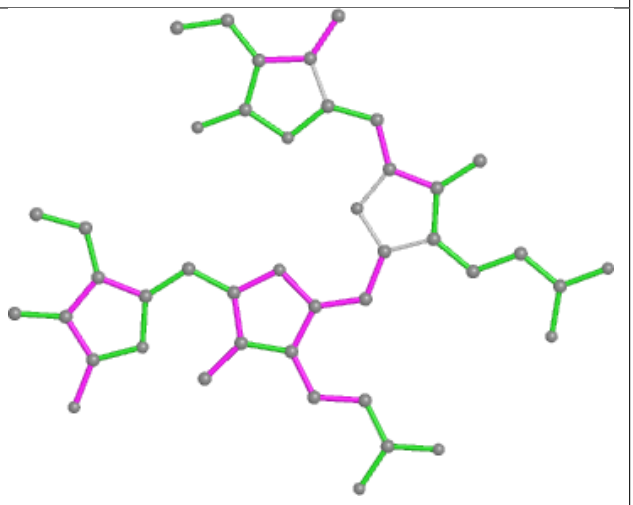

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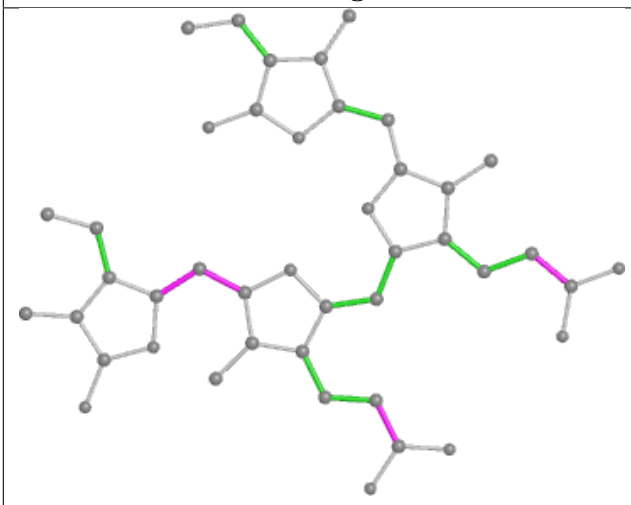

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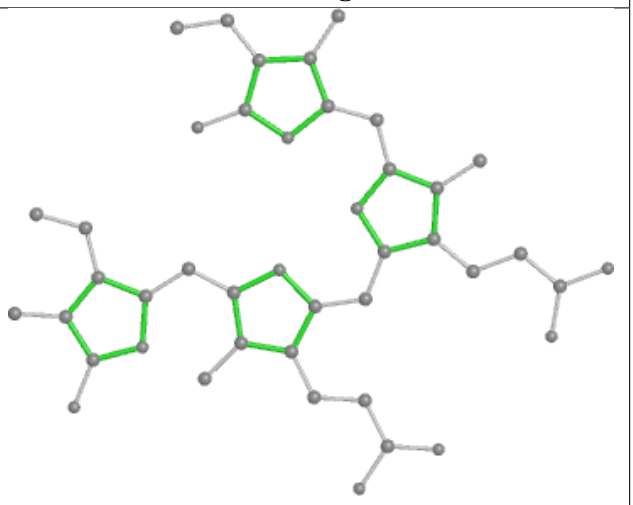
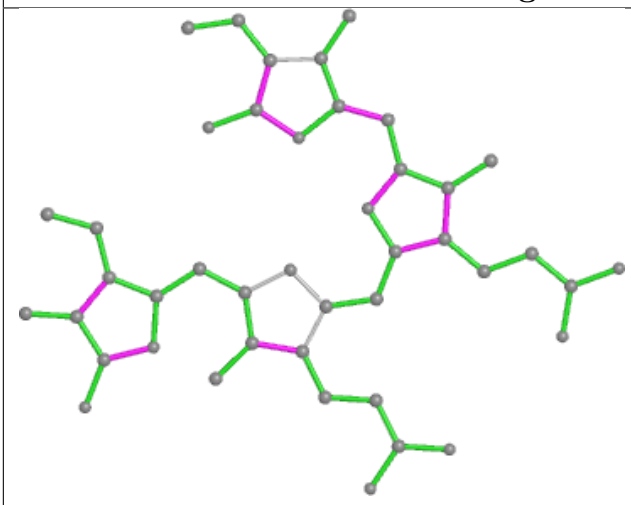


Rings

Ligand PUB gz 306



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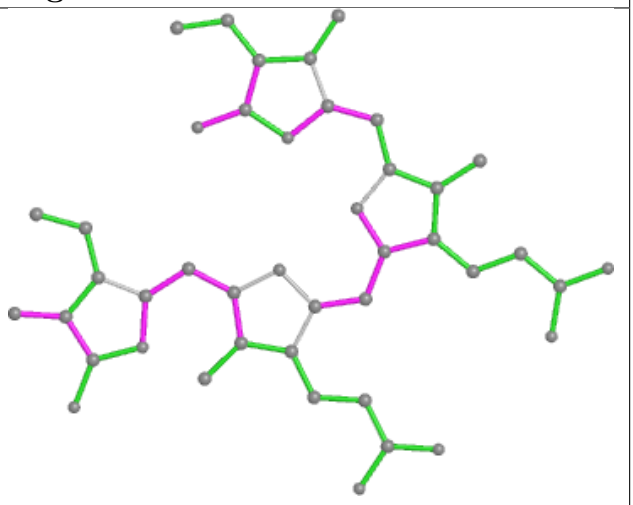

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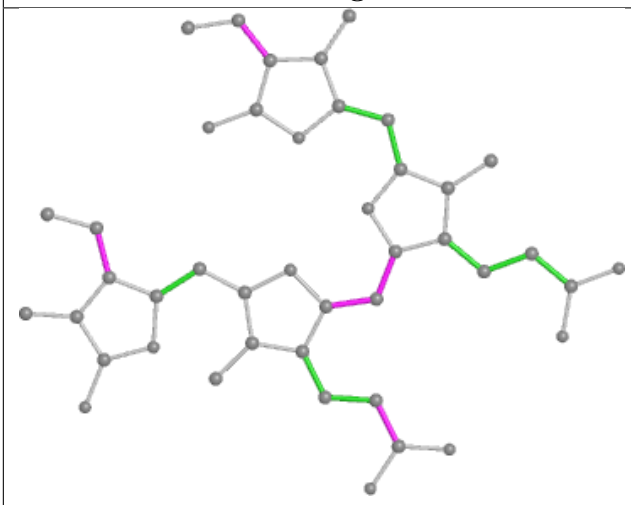

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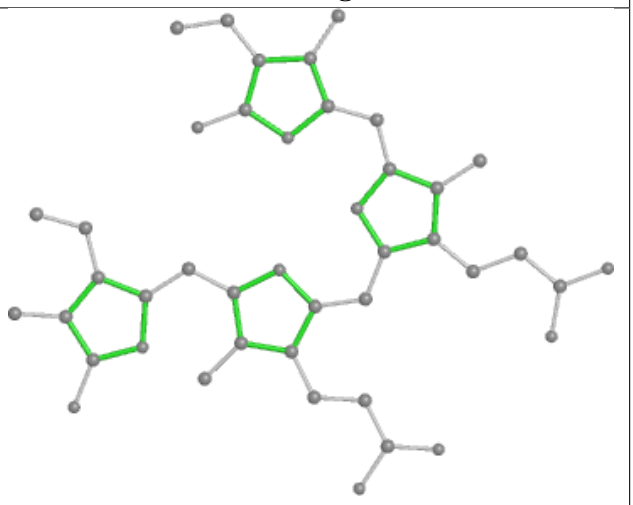

Rings

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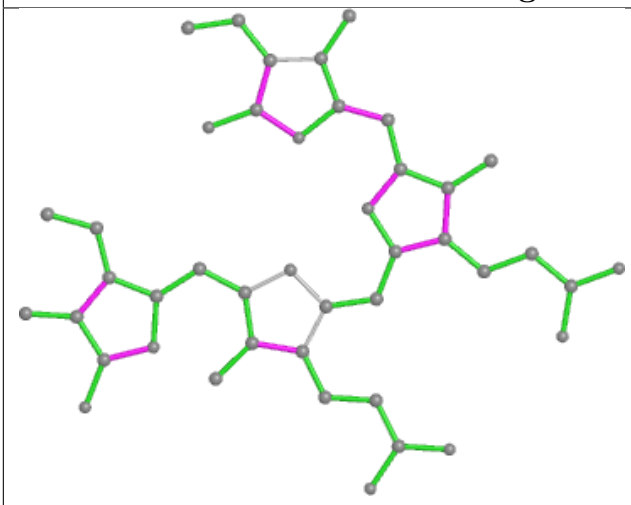

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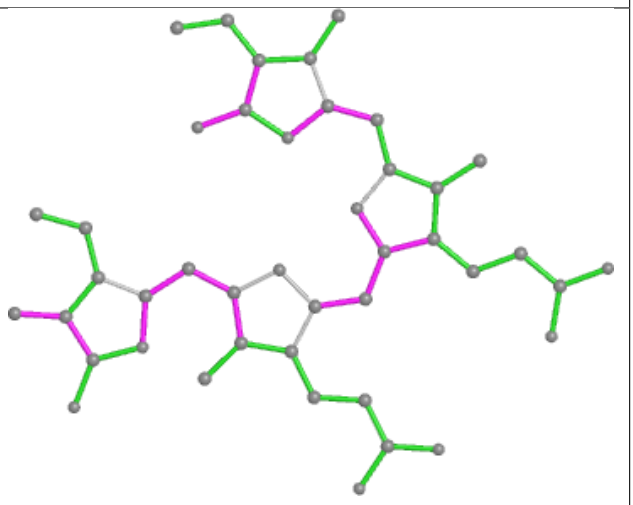

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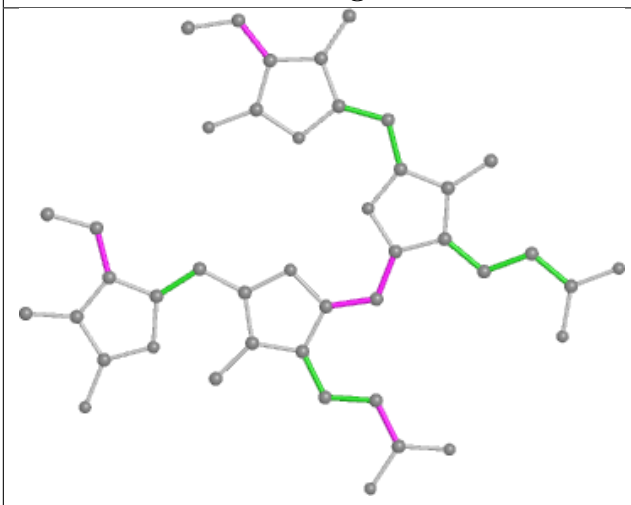

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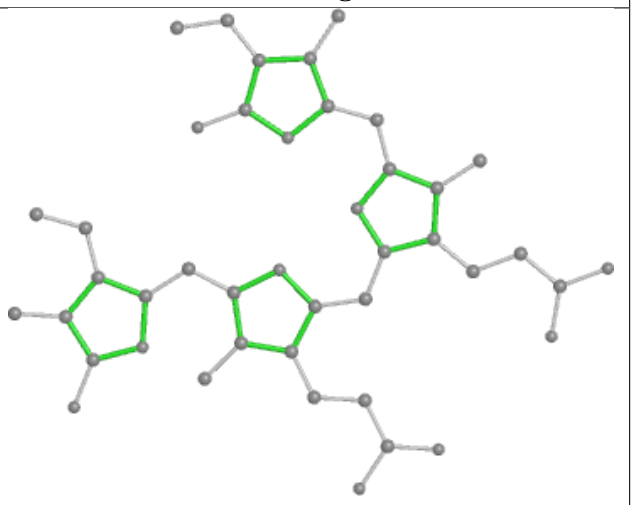
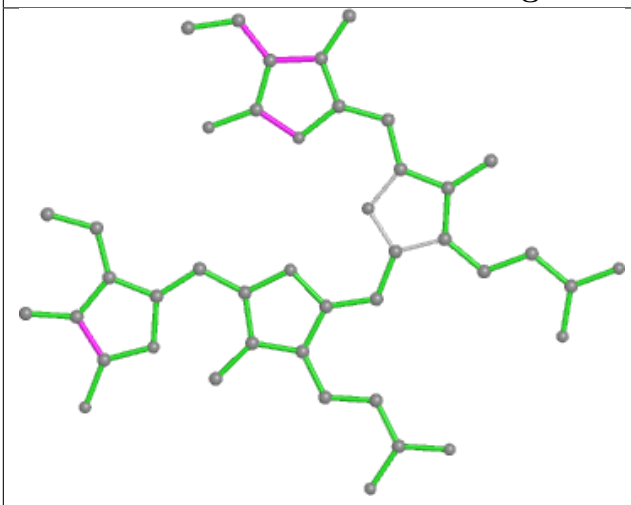


Rings

Ligand PEB s4 201



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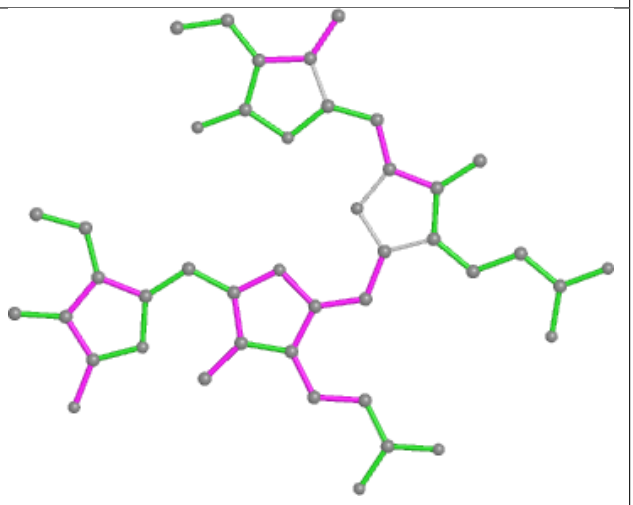

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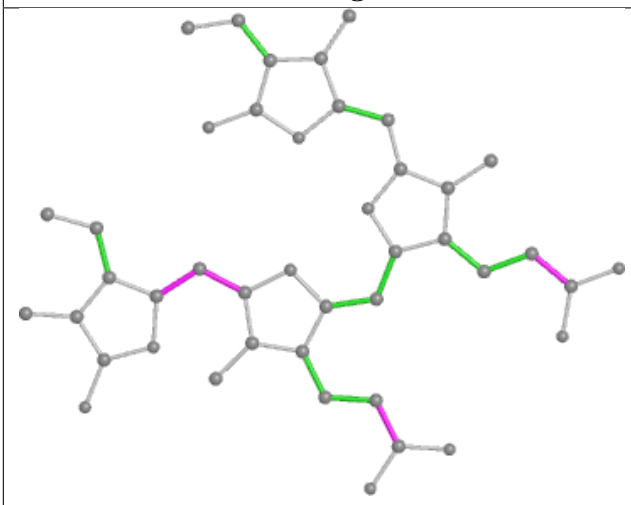

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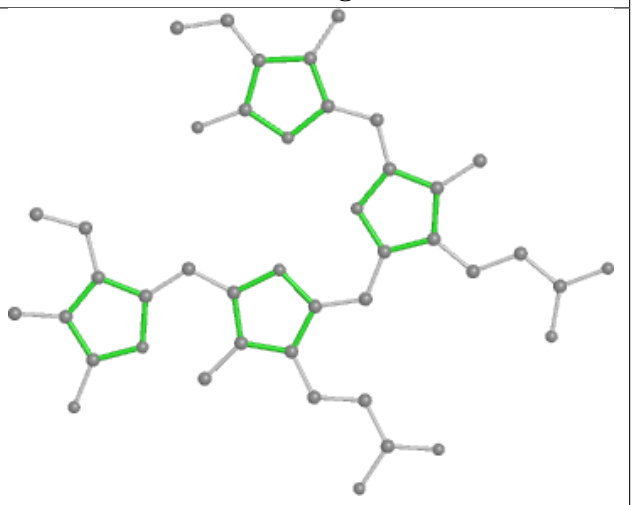

Rings

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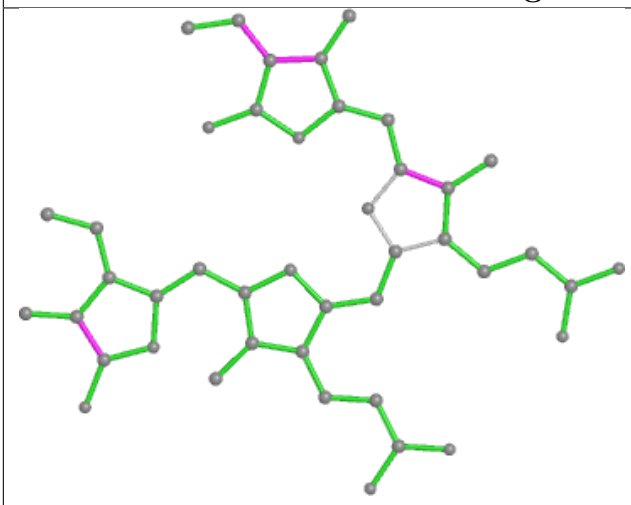

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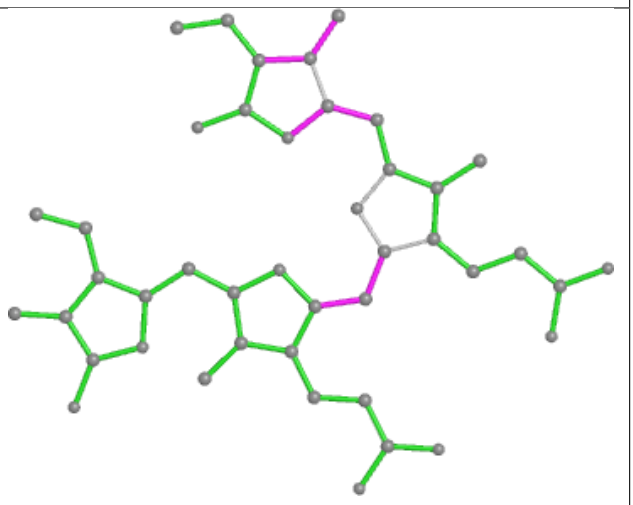

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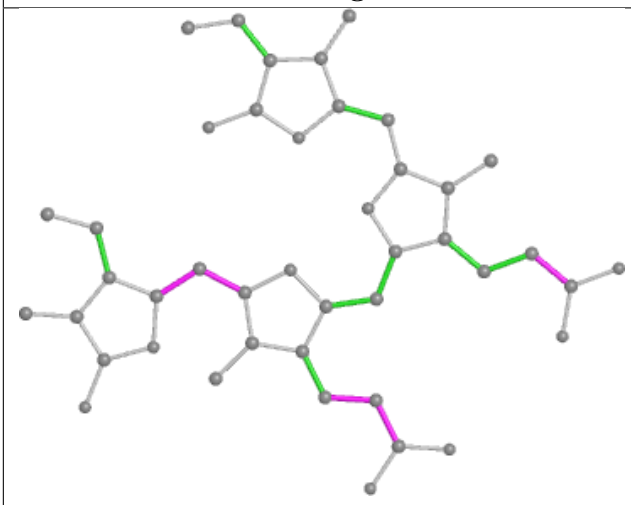

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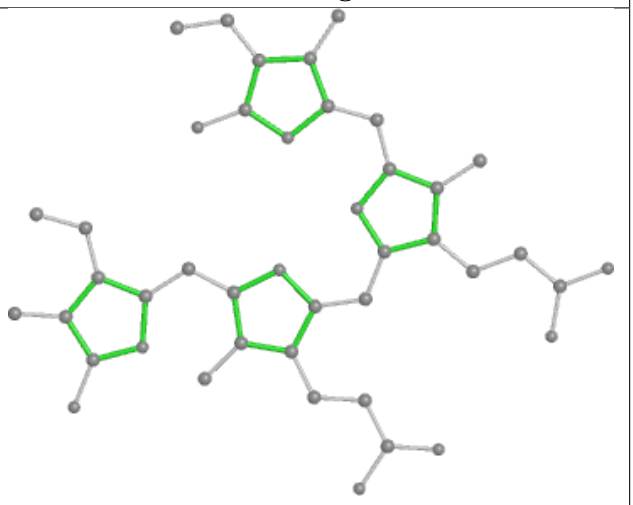

Rings

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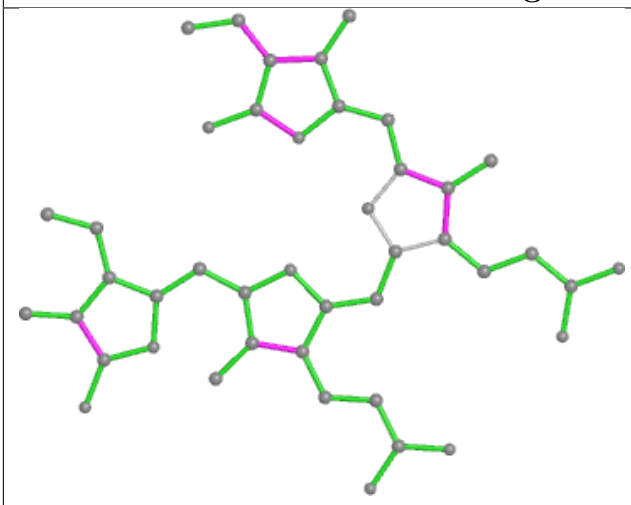

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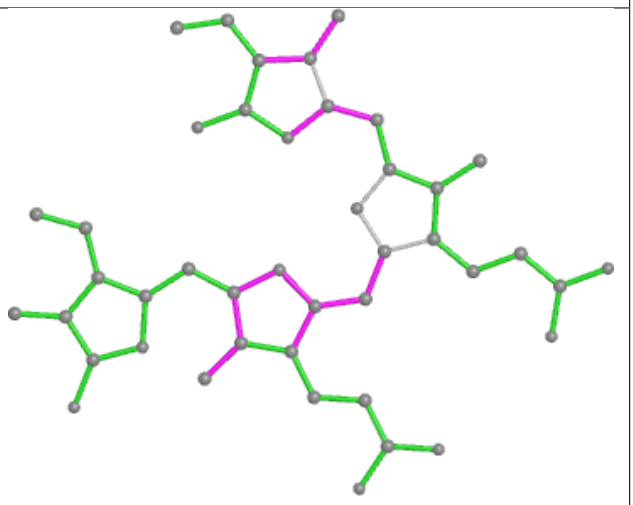

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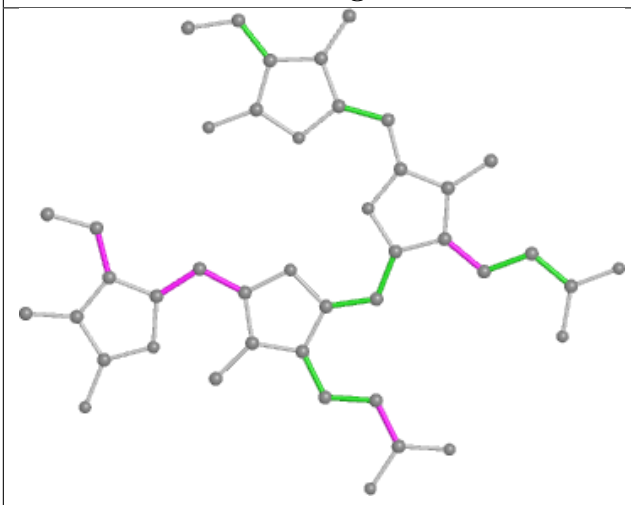

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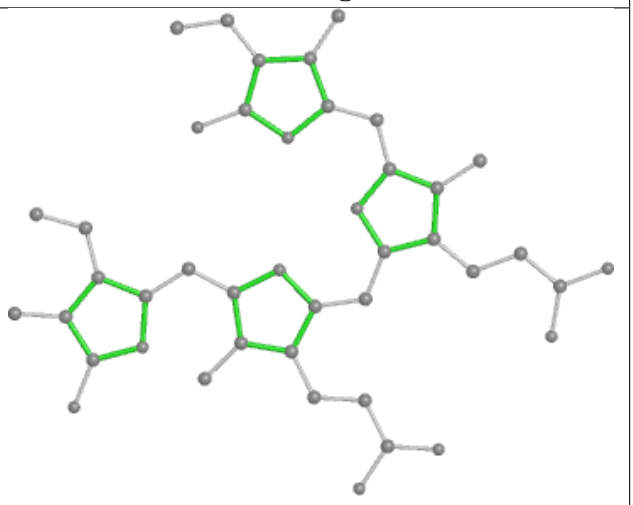

Rings

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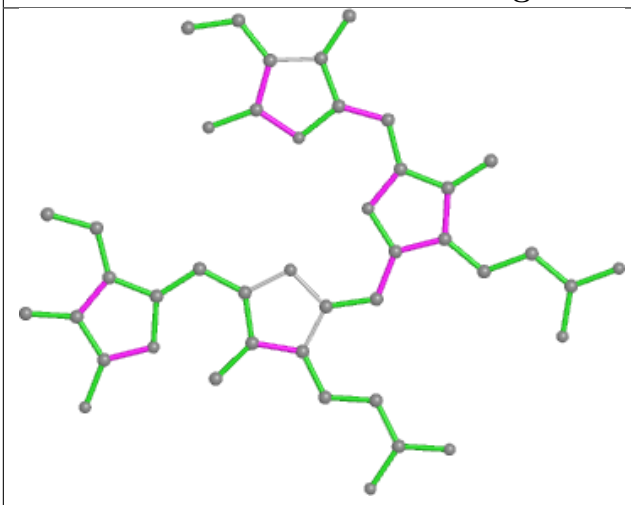

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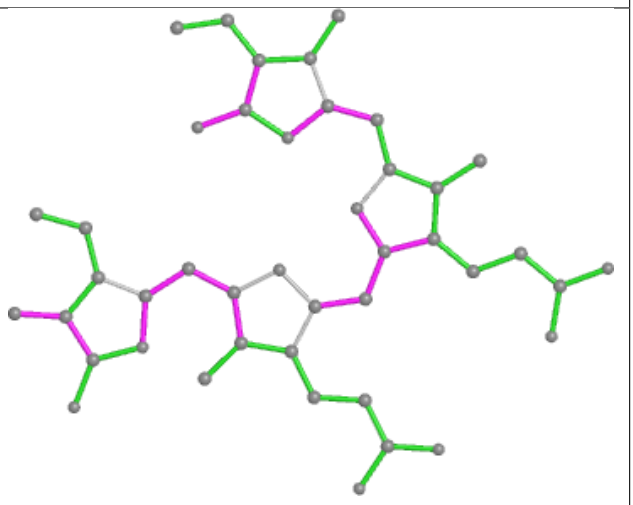

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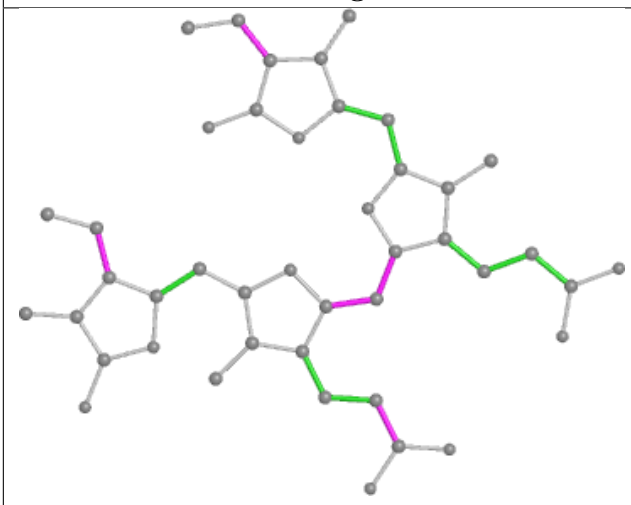

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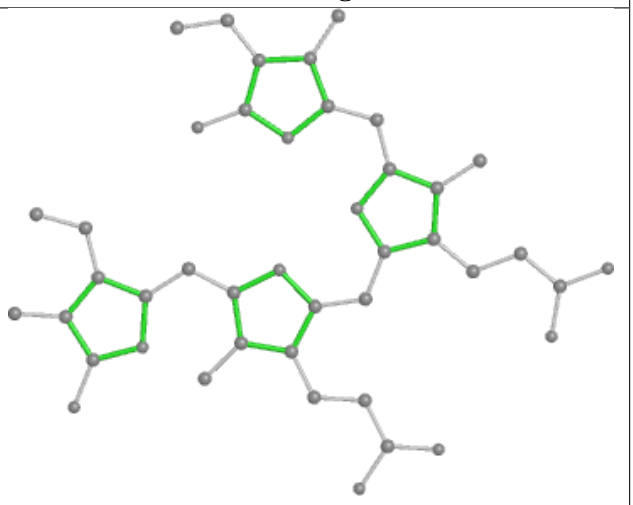

Rings

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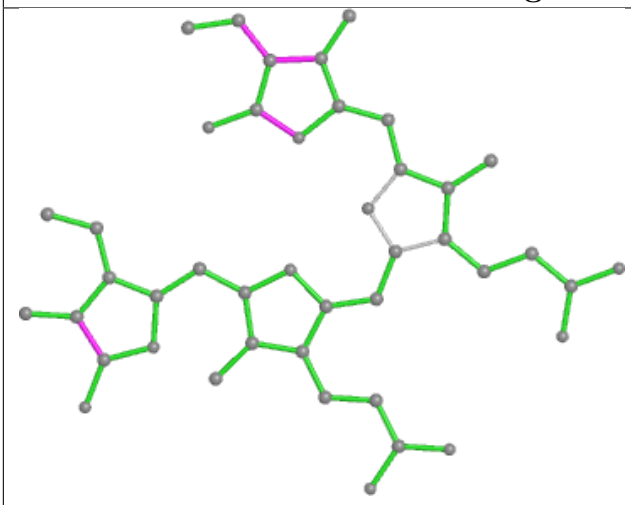

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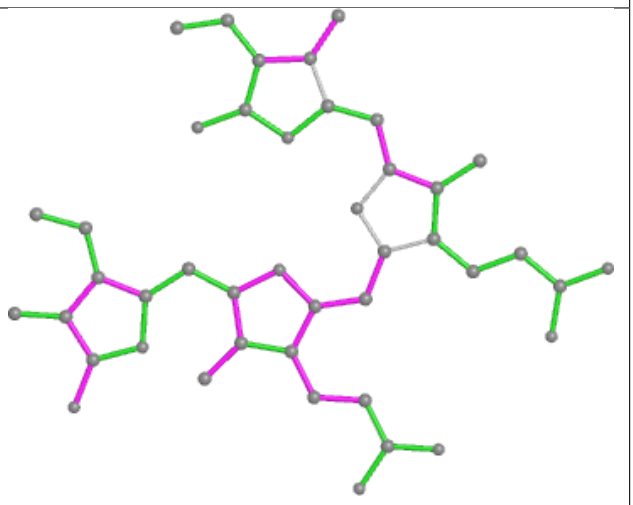

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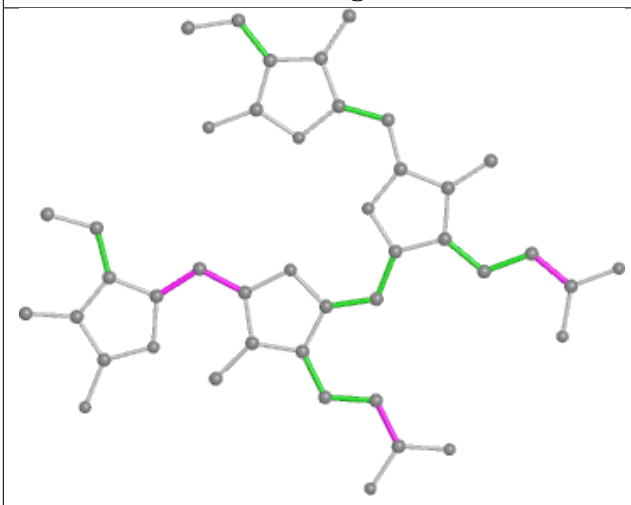

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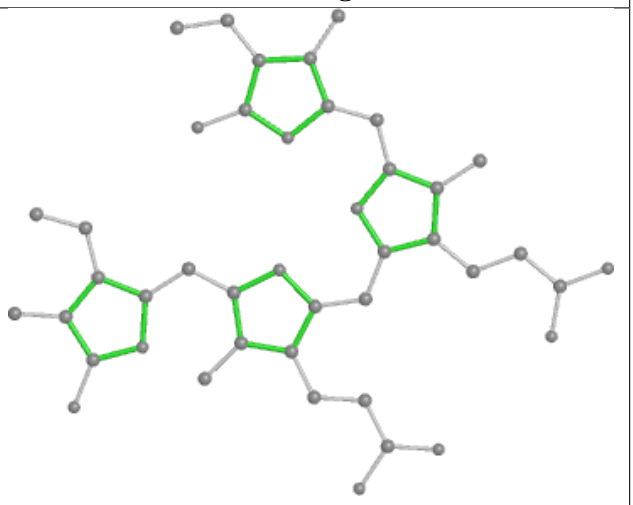

Rings

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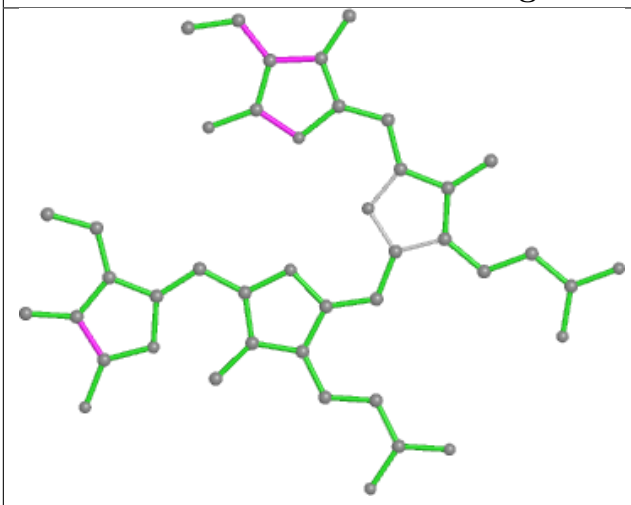

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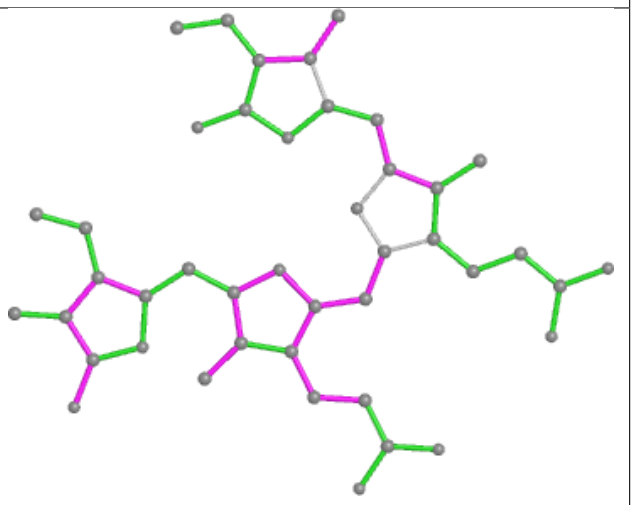

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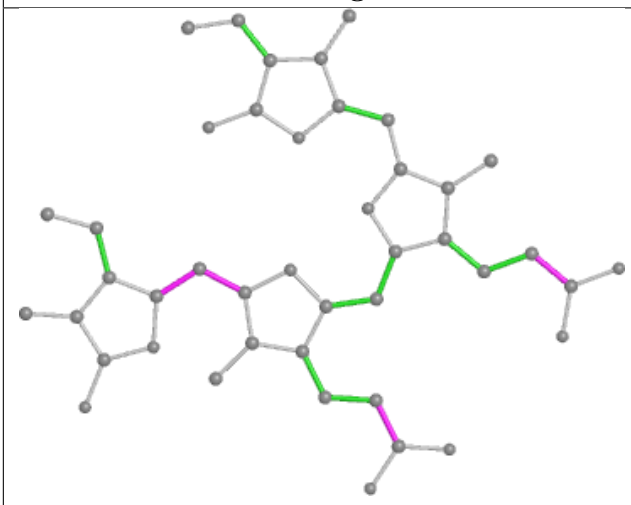

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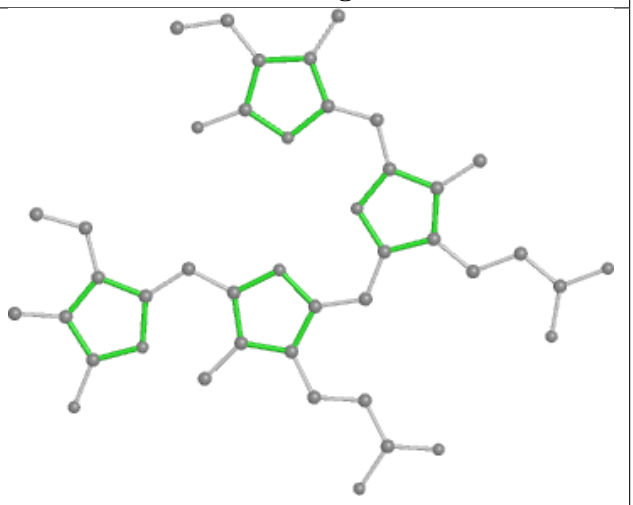
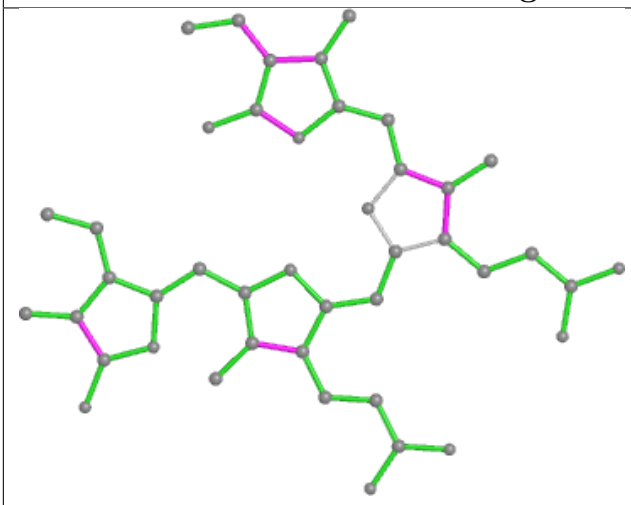


Rings

Ligand PEB cn 201



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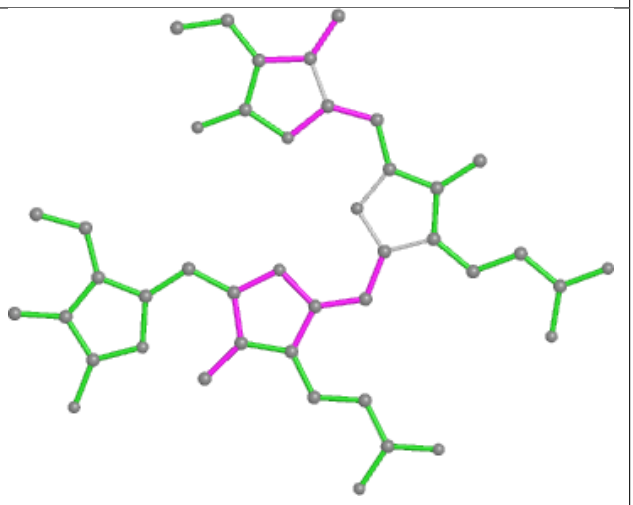

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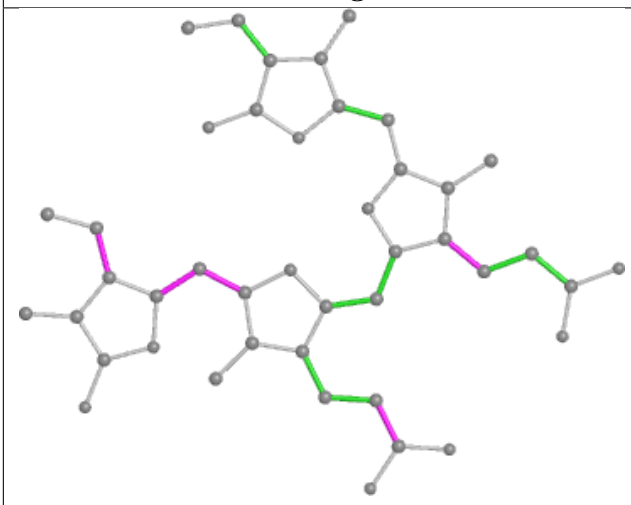

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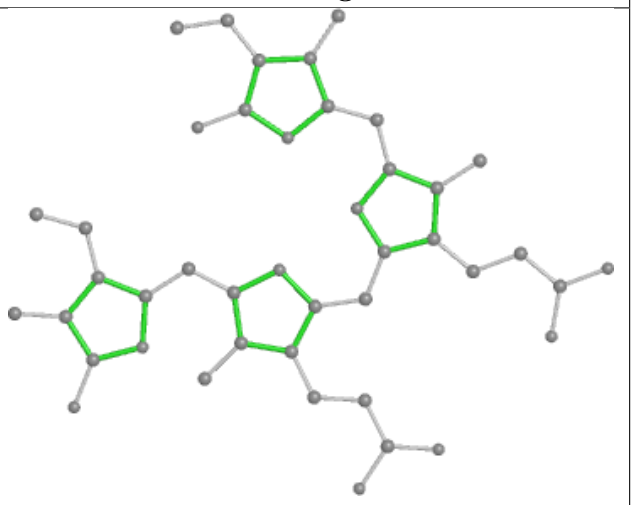

Rings

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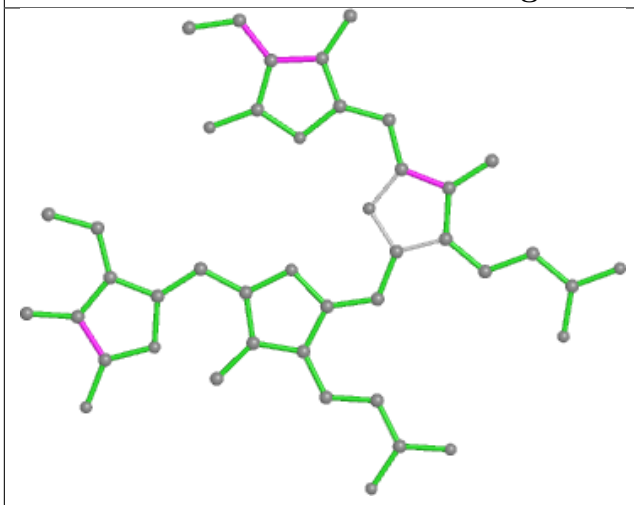

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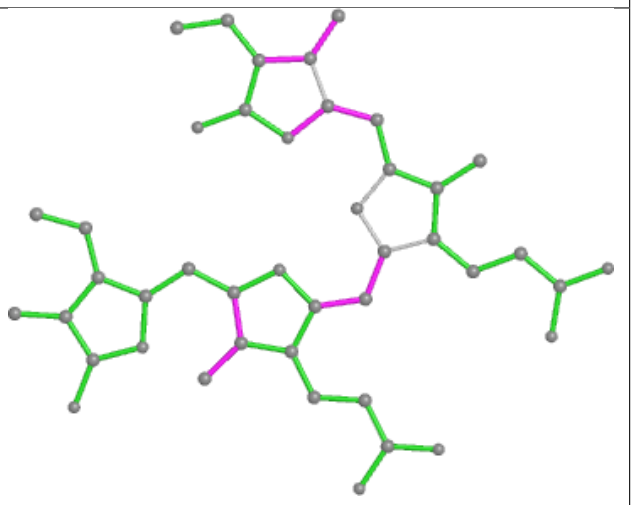

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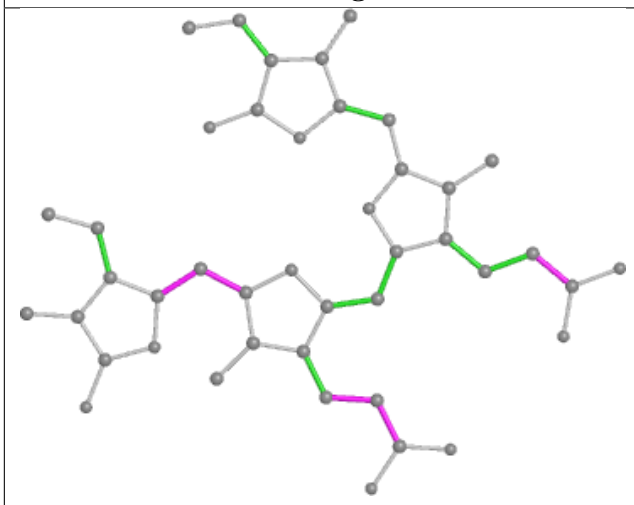

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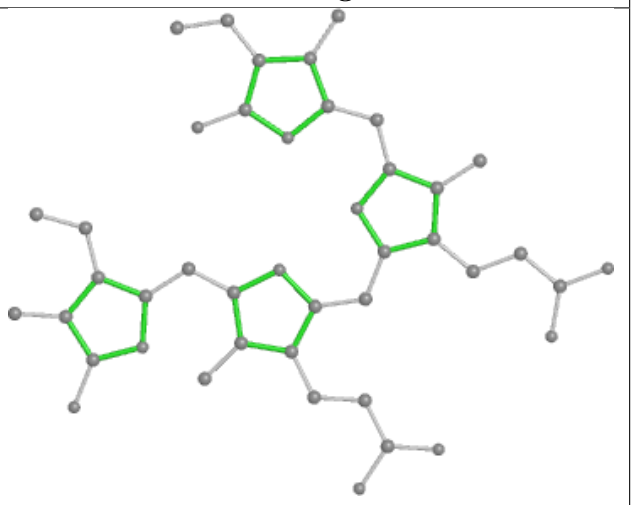
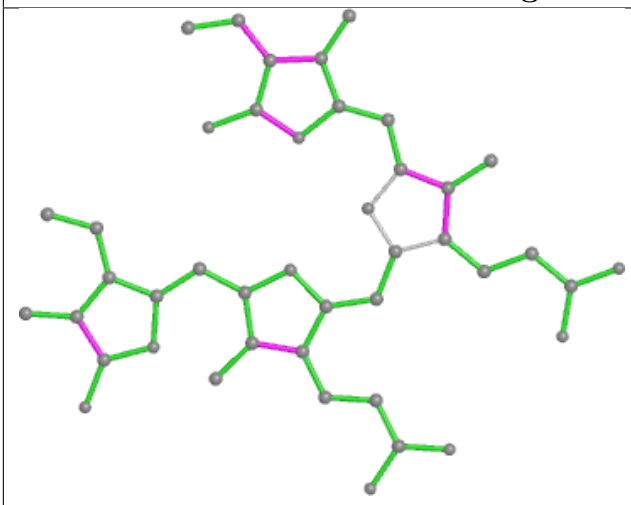


Rings

Ligand PEB az 202



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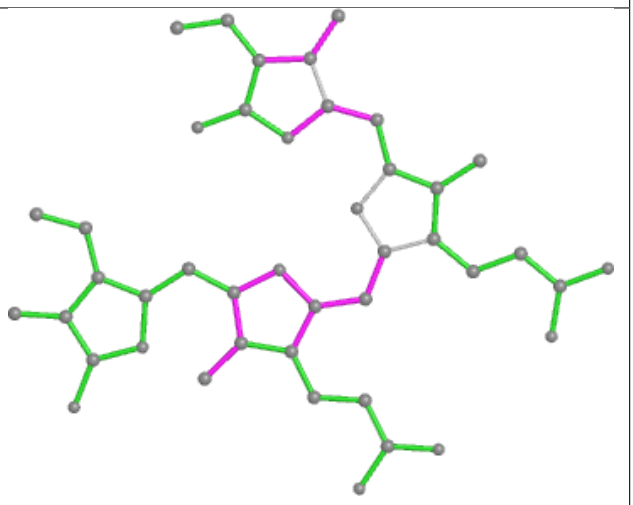

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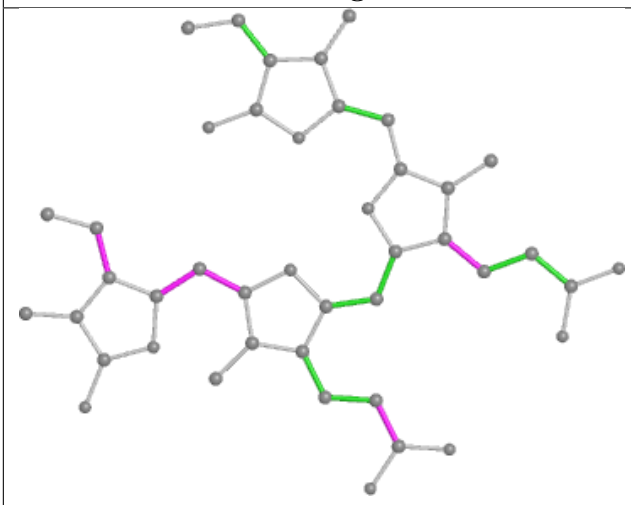

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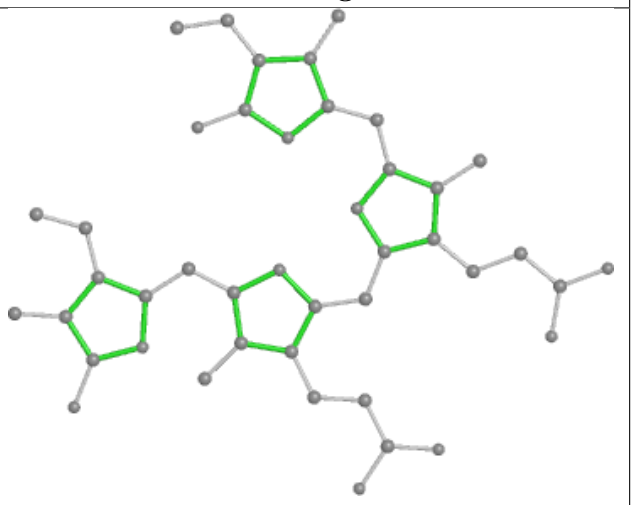

Rings

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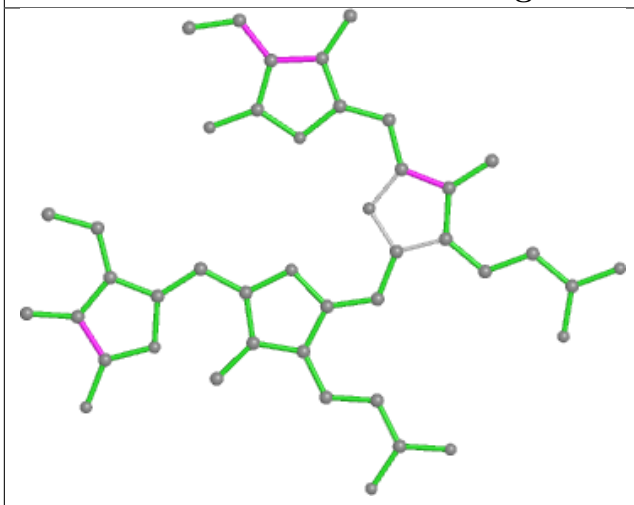

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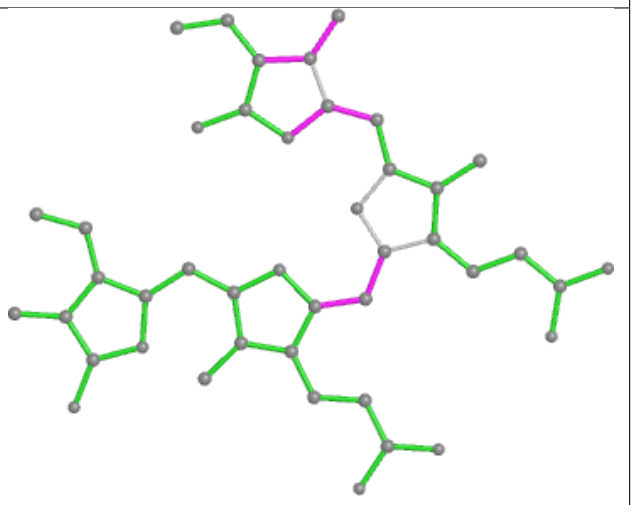
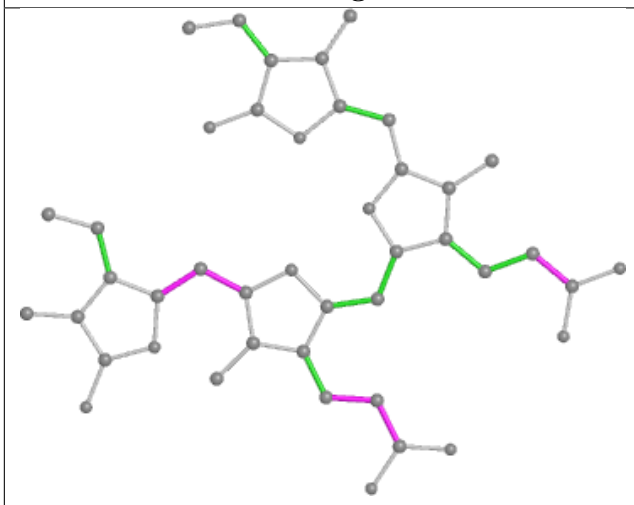
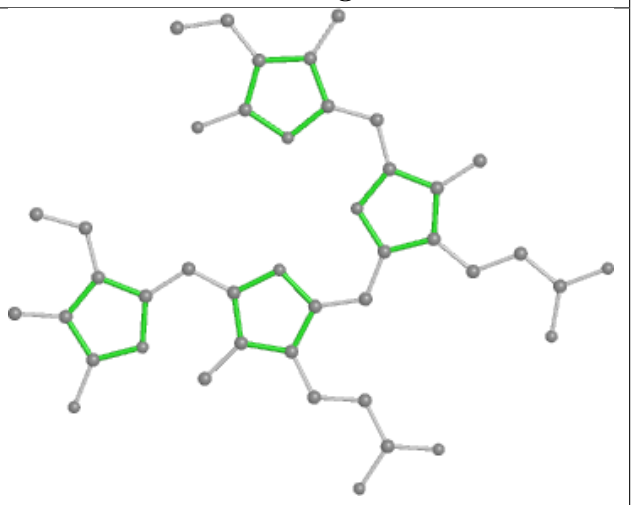


Bond angles

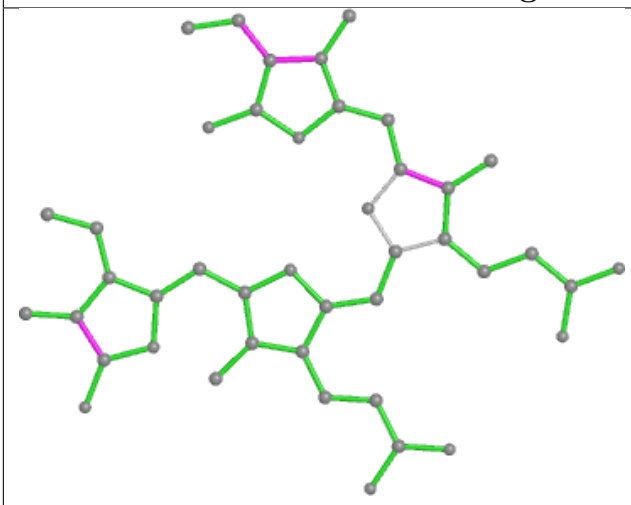


Torsions



Rings

Ligand PEB dc 202



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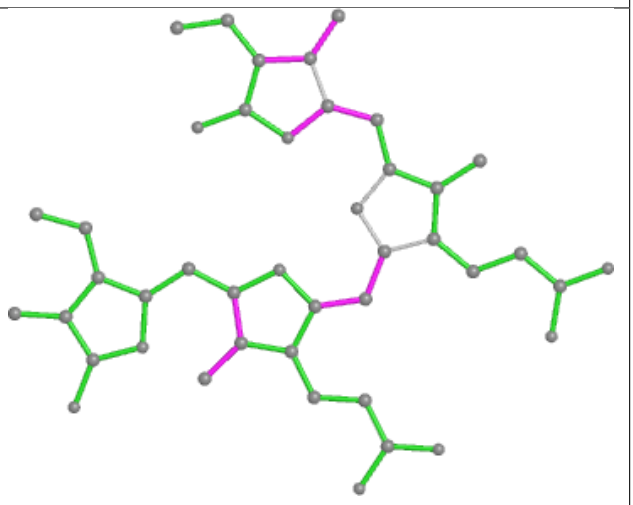

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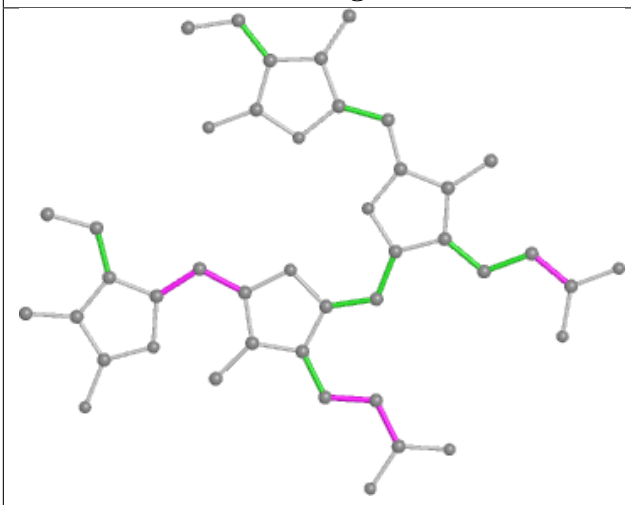

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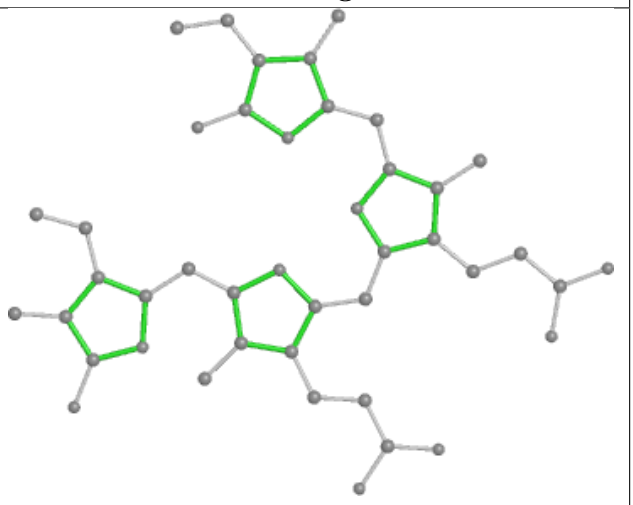
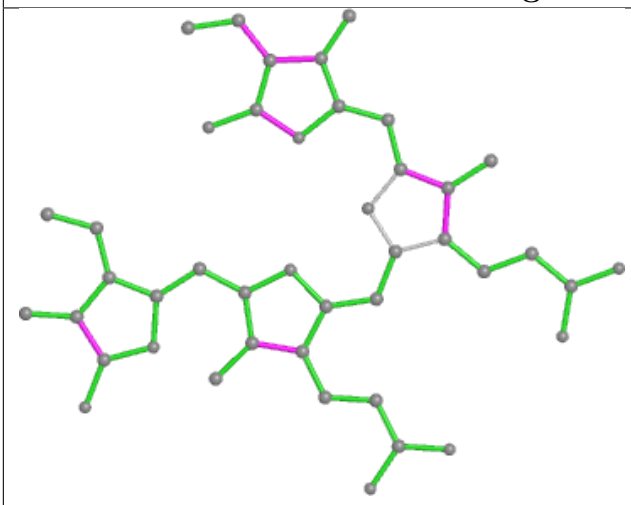


Rings

Ligand PEB di 202



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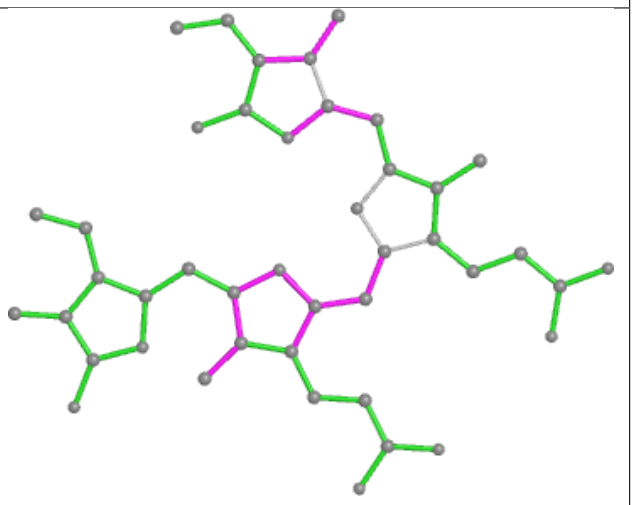

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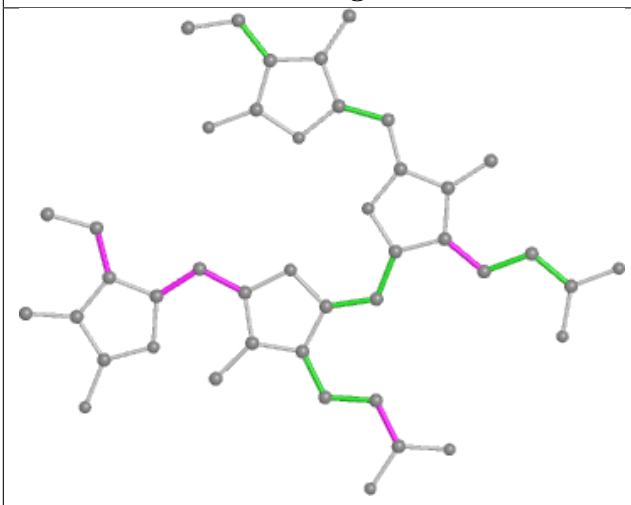

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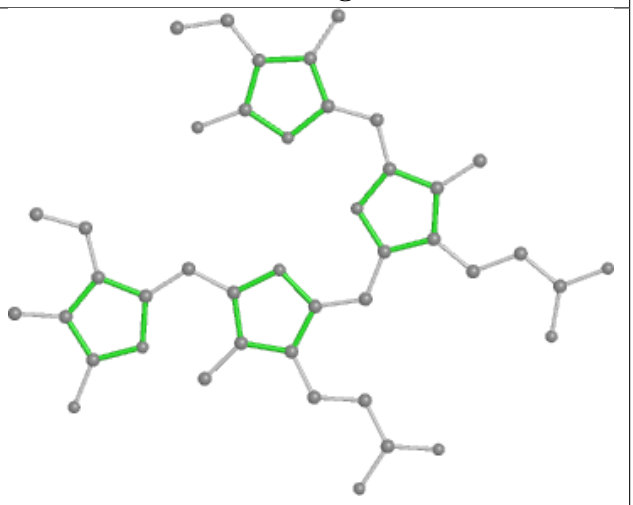
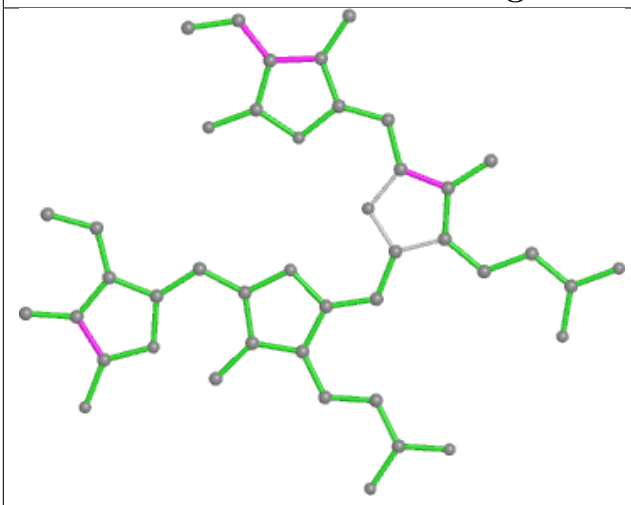


Rings

Ligand PEB C4 1002



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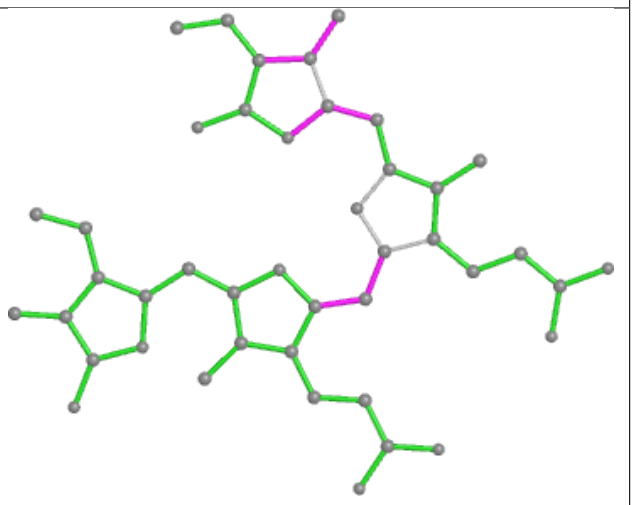

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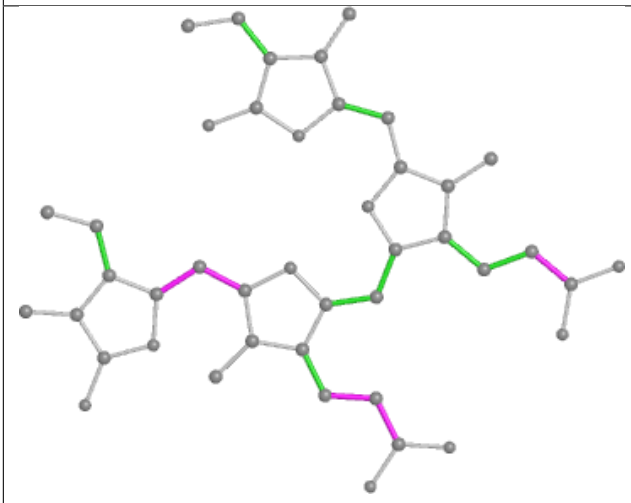

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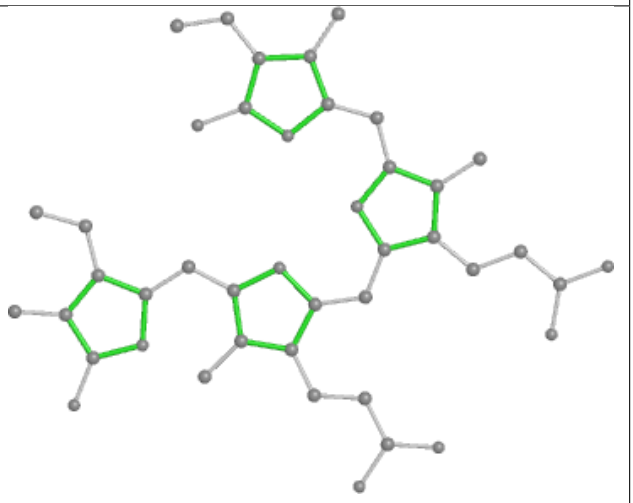
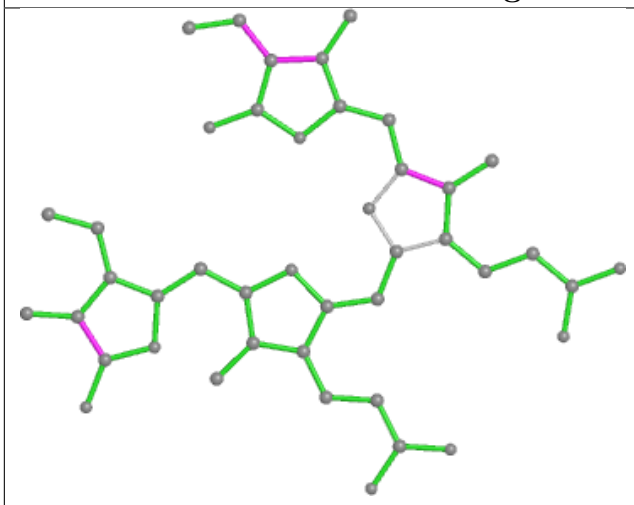


Rings

Ligand PEB M7 1003



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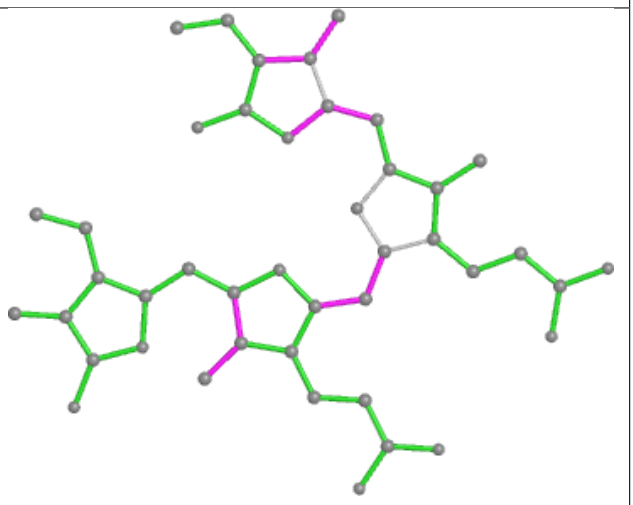

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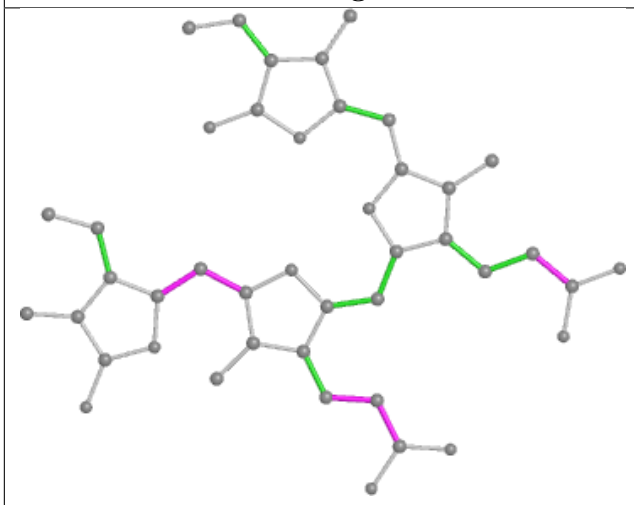

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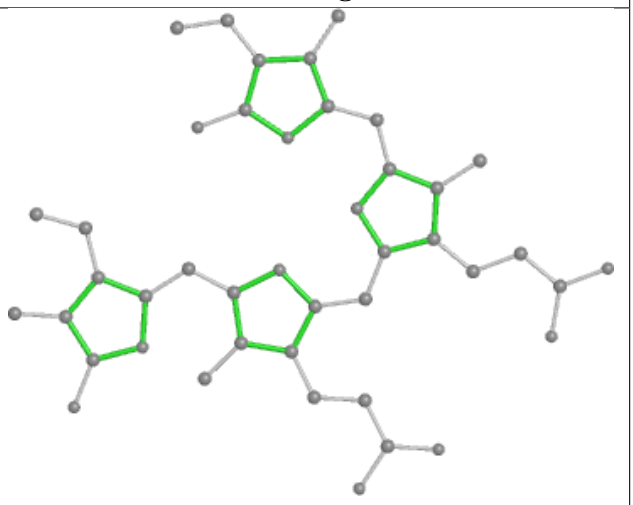

Rings

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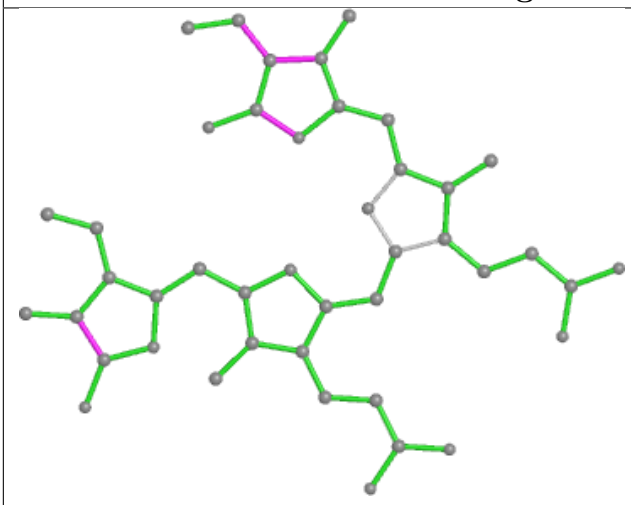

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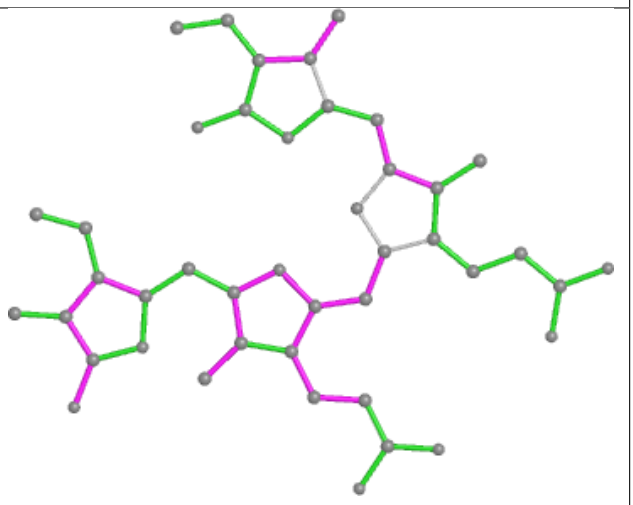

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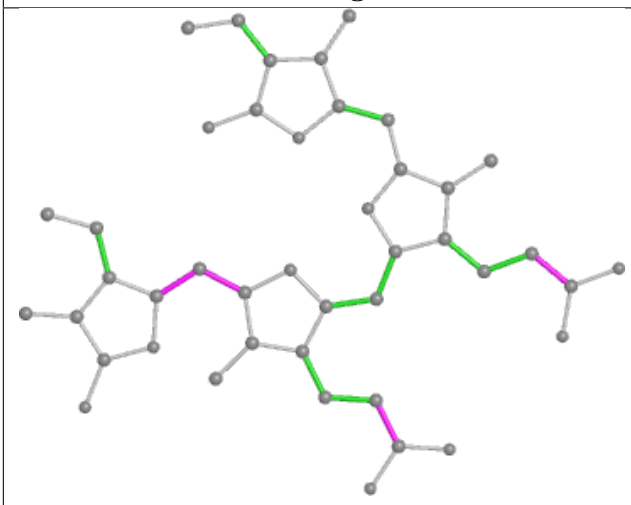

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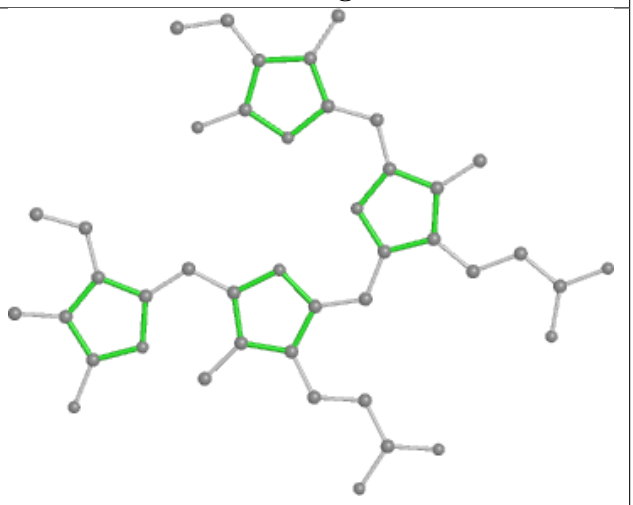
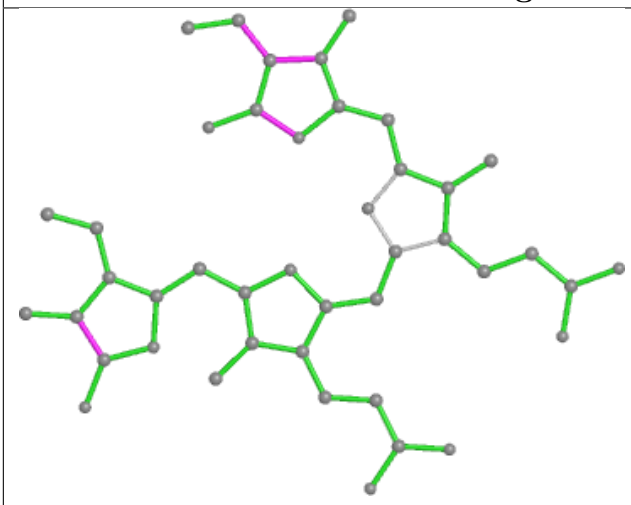


Rings

Ligand PEB O8 202



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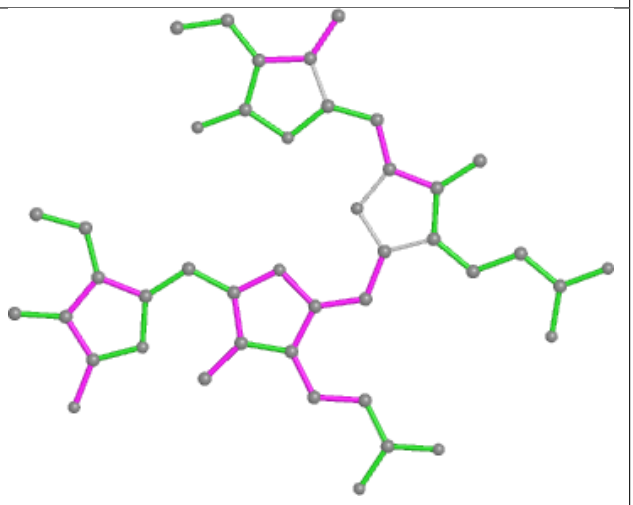

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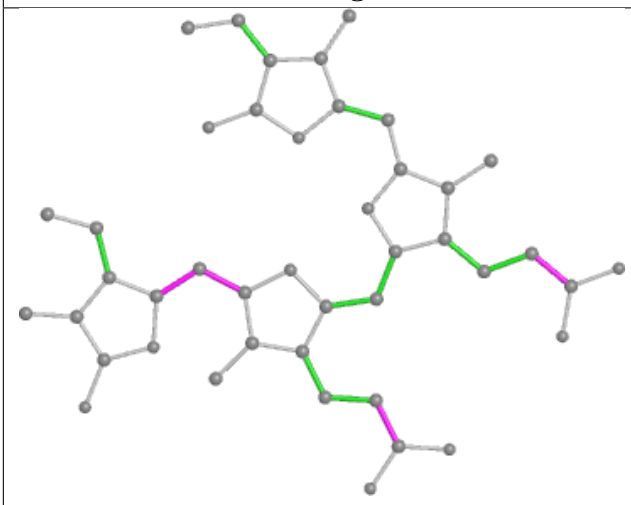

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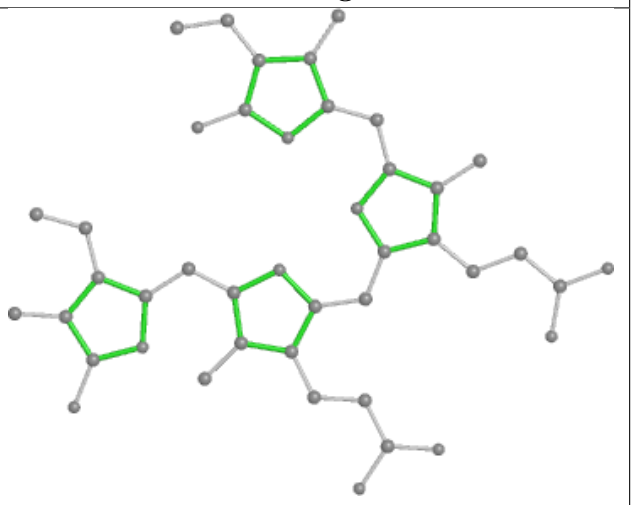

Rings

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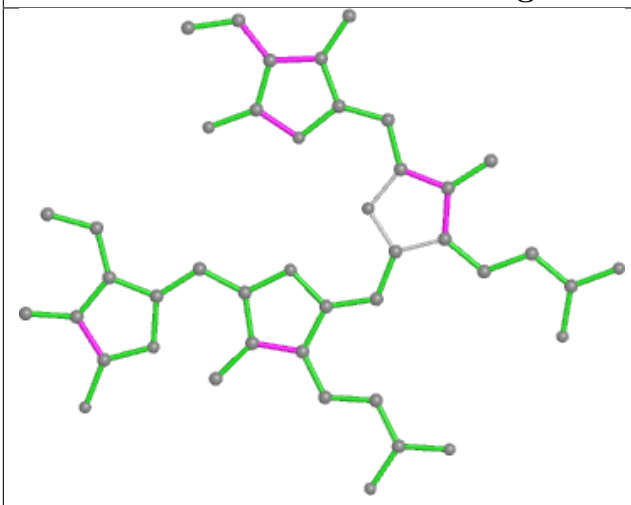

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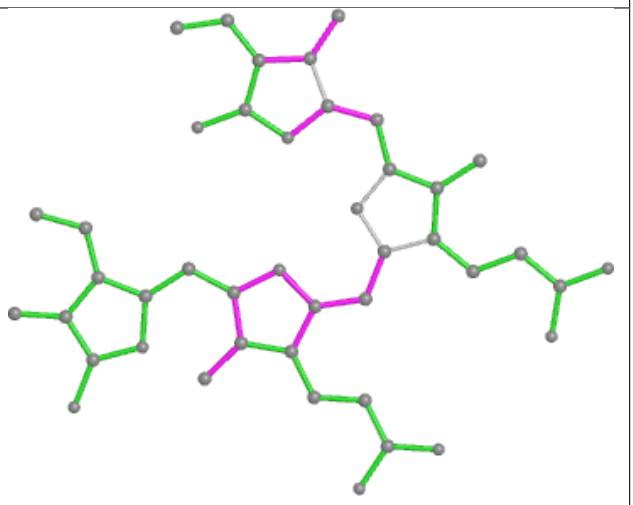

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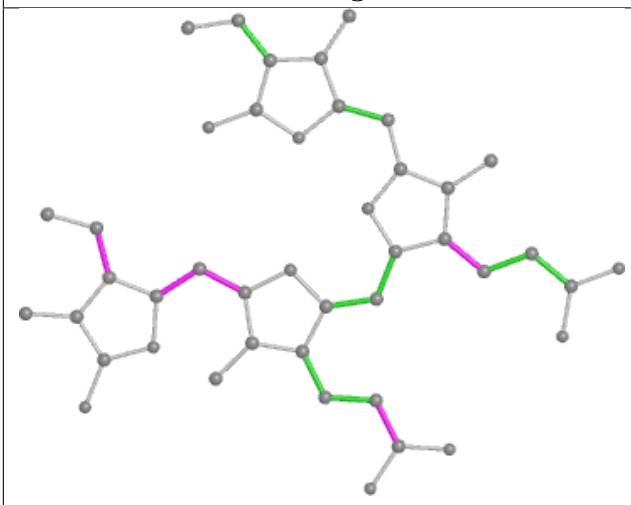

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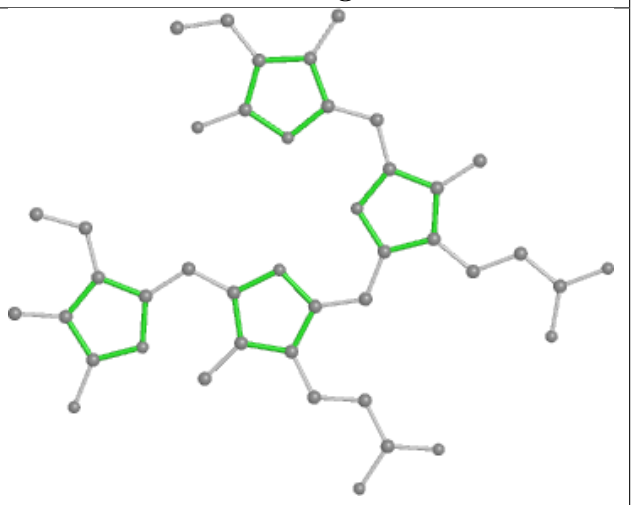
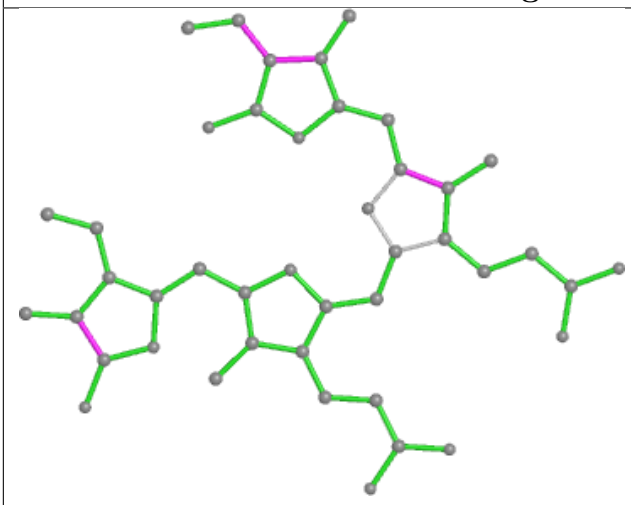


Rings

Ligand PEB s3 202



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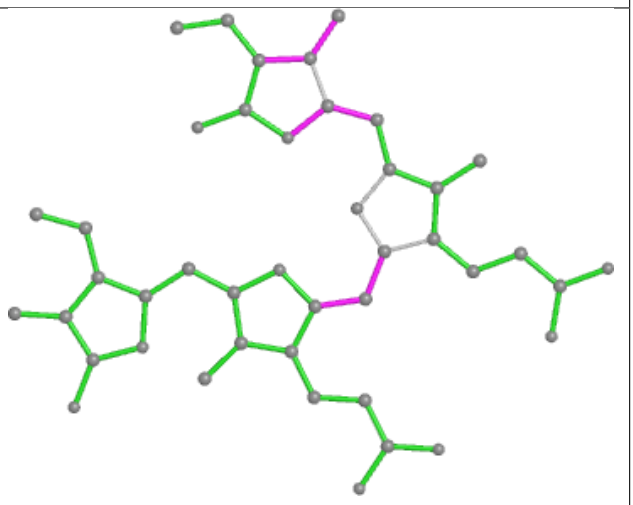

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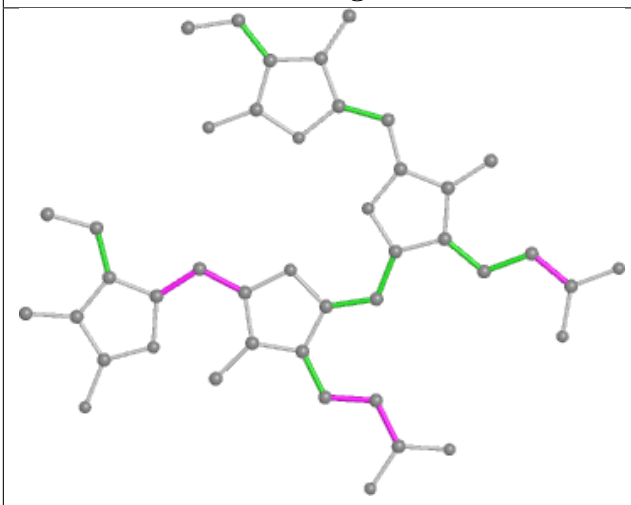

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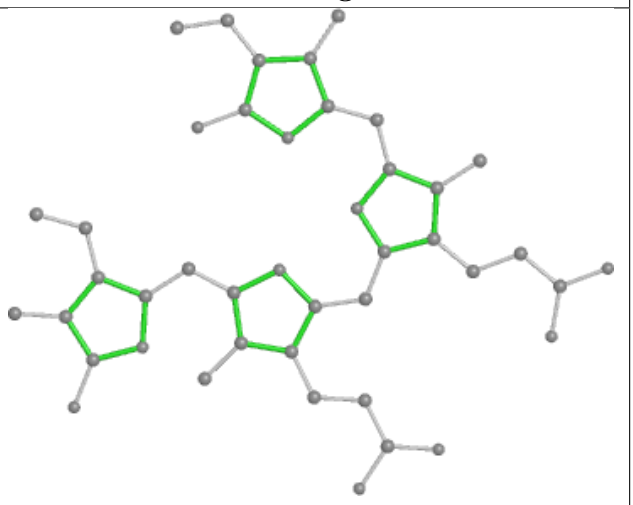
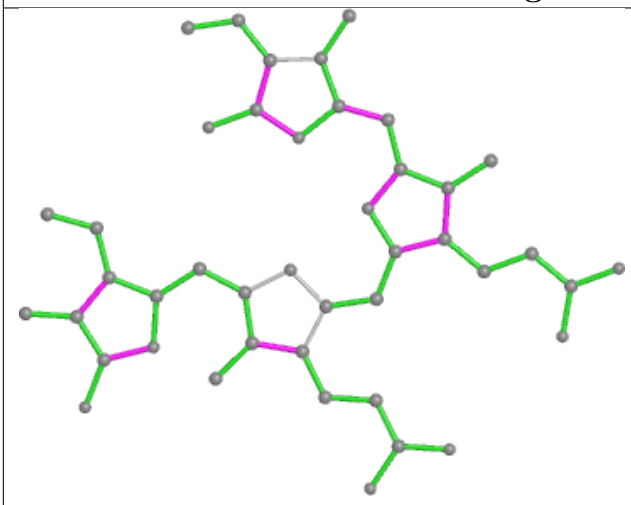


Rings

Ligand PUB fj 203



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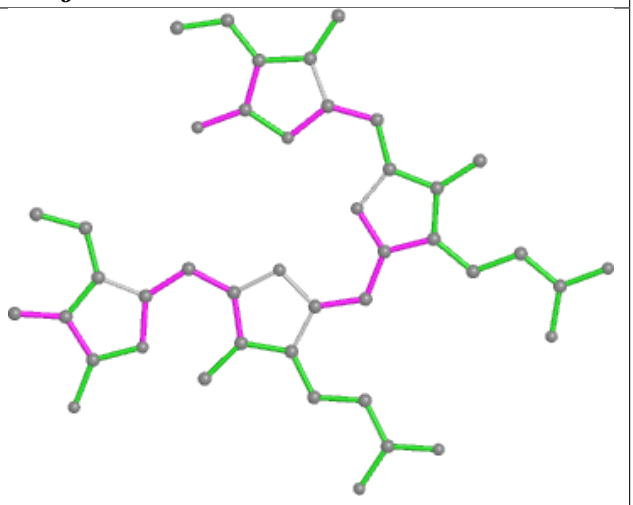

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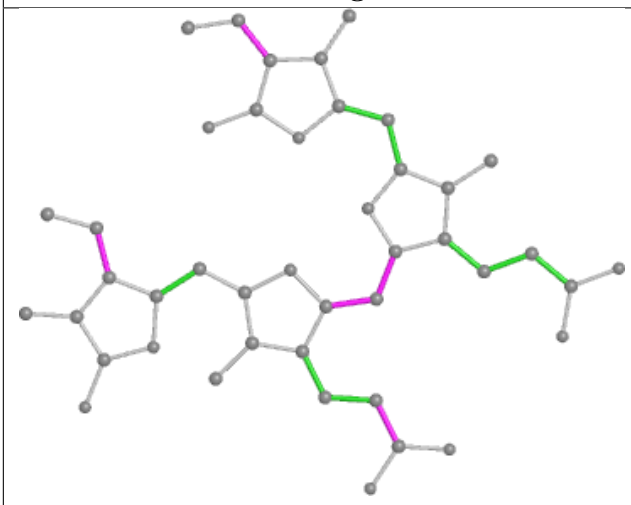

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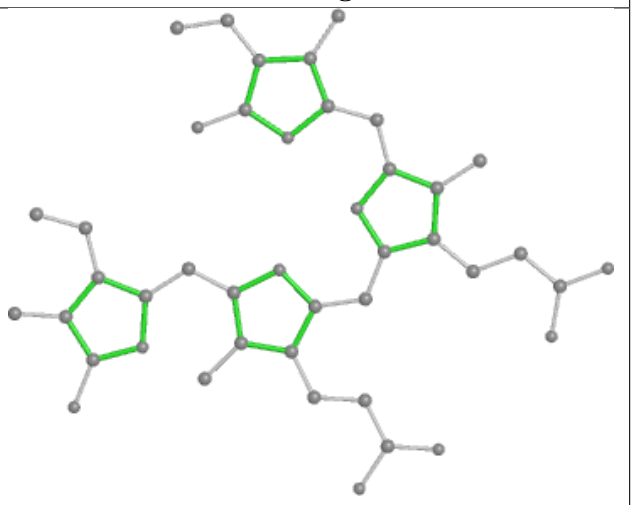
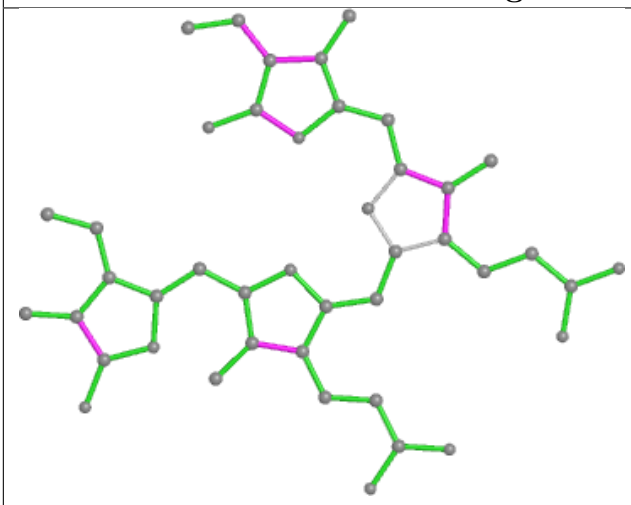


Rings

Ligand PEB kQ 1002



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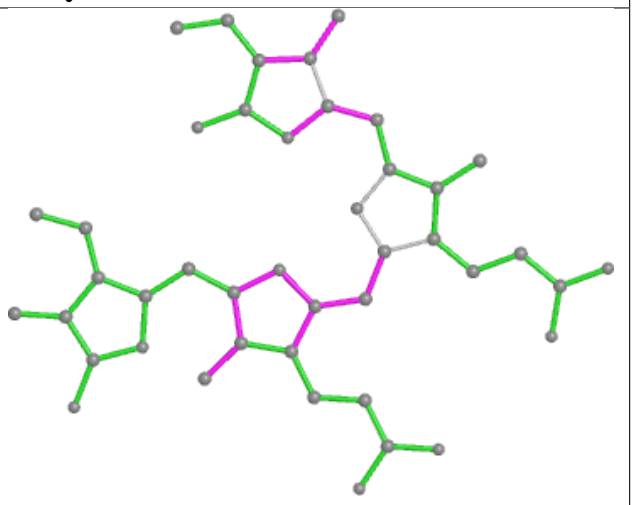

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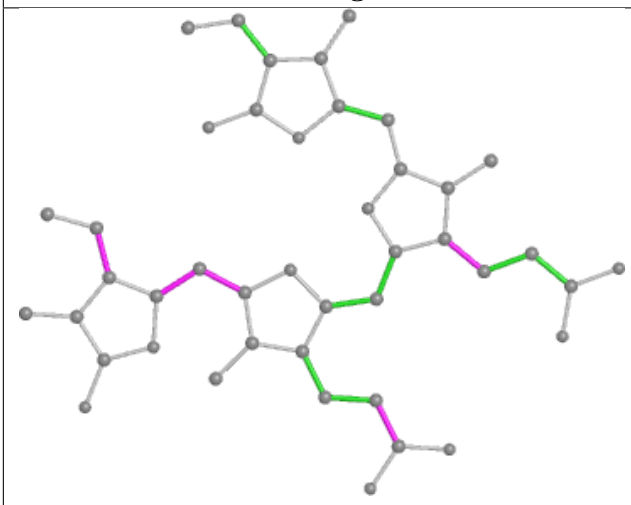

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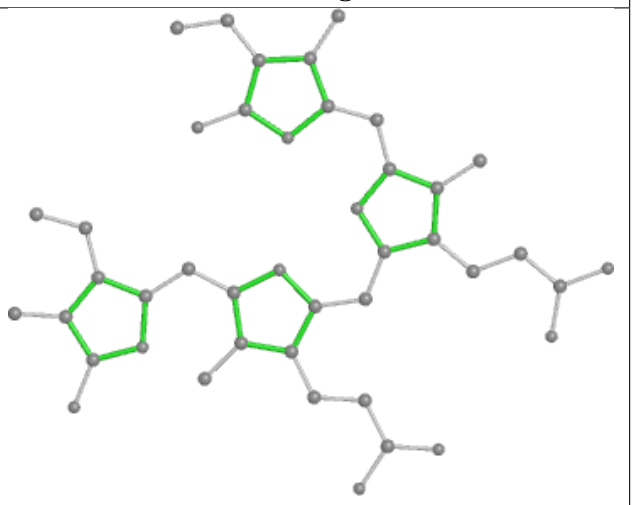

Rings

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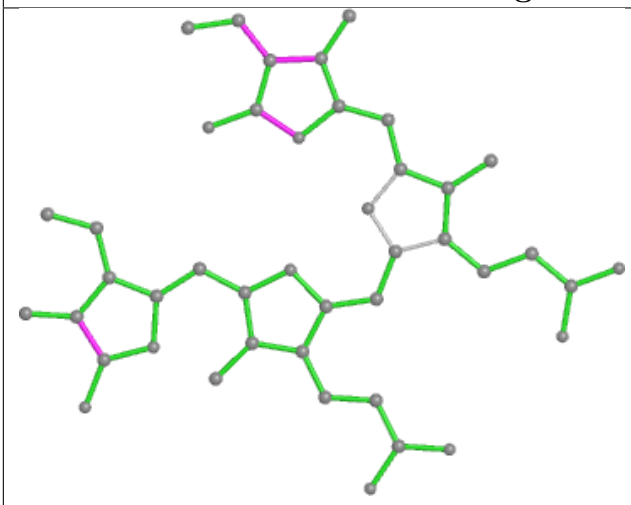

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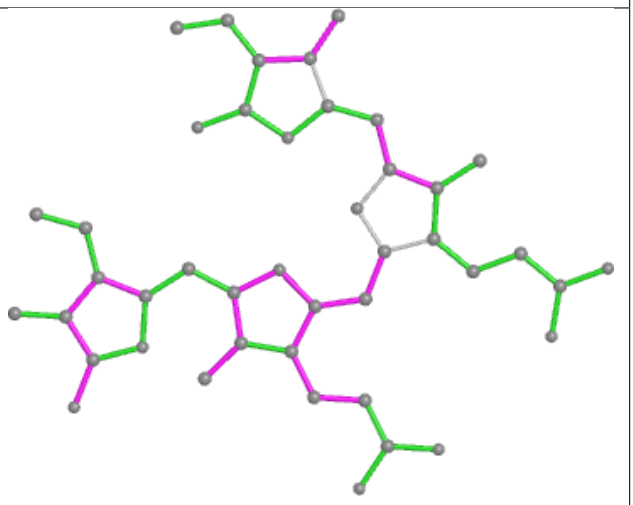

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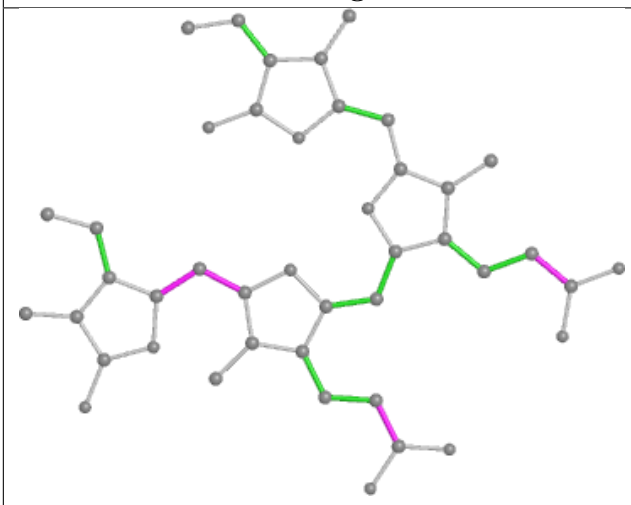

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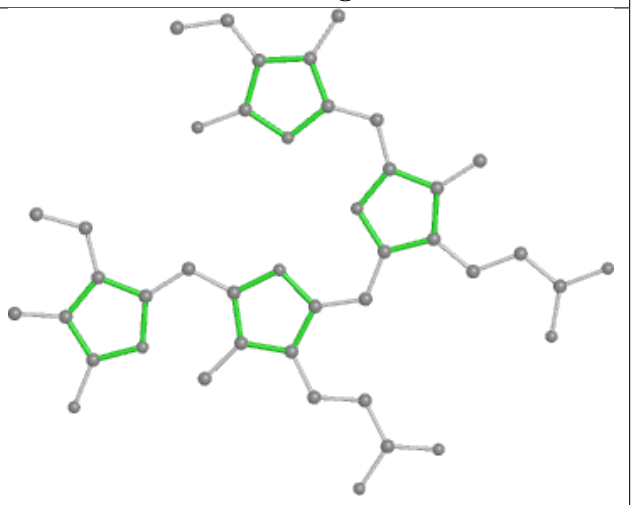
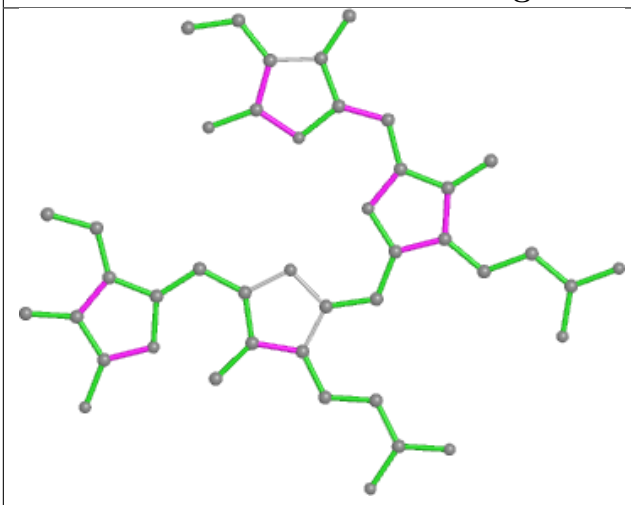


Rings

Ligand PUB R3 203



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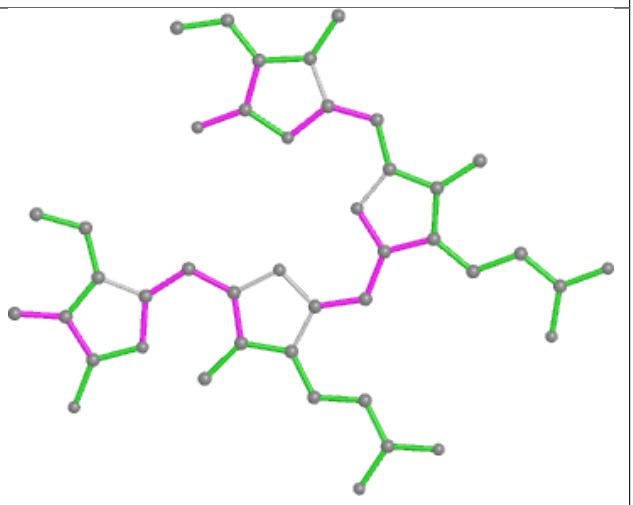

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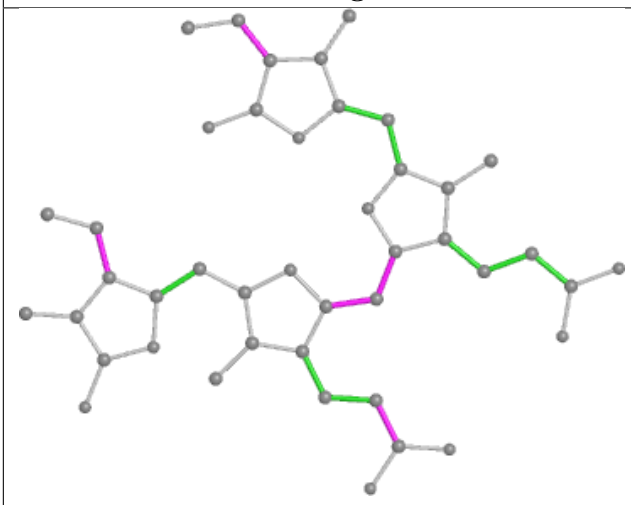

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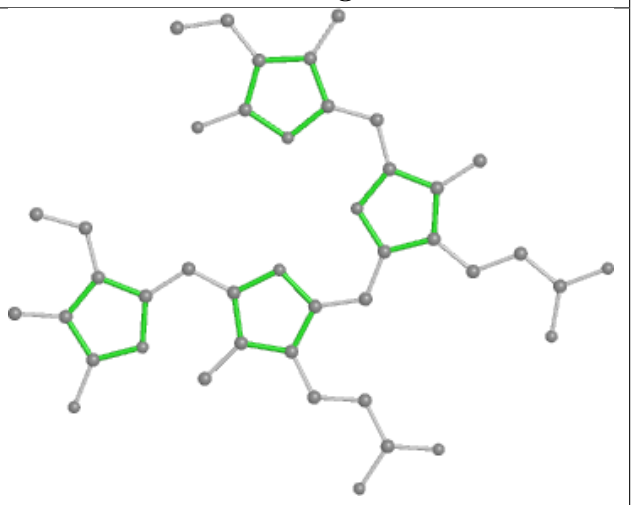
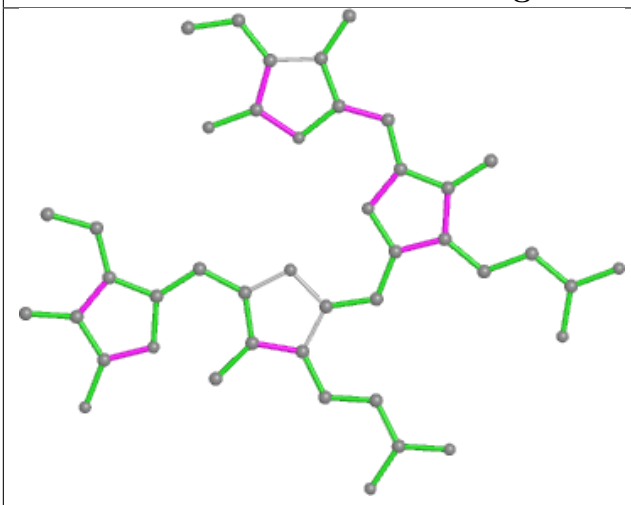


Rings

Ligand PUB X6 203



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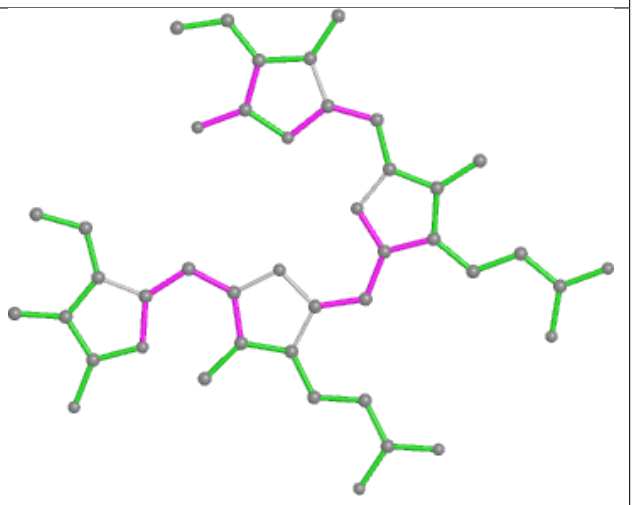
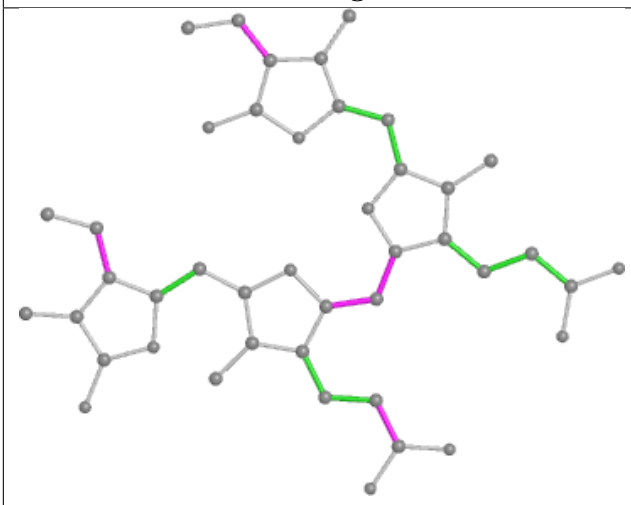
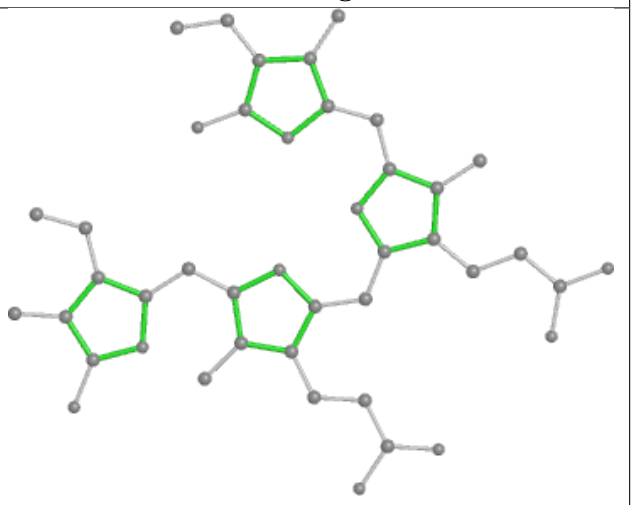


Bond angles

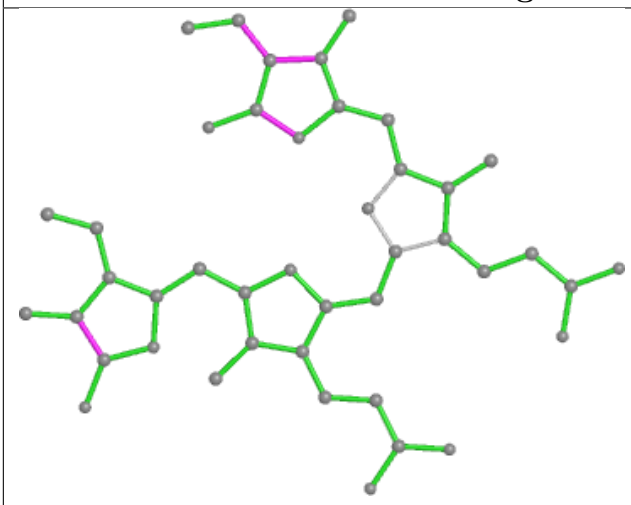


Torsions



Rings

Ligand PEB cV 202



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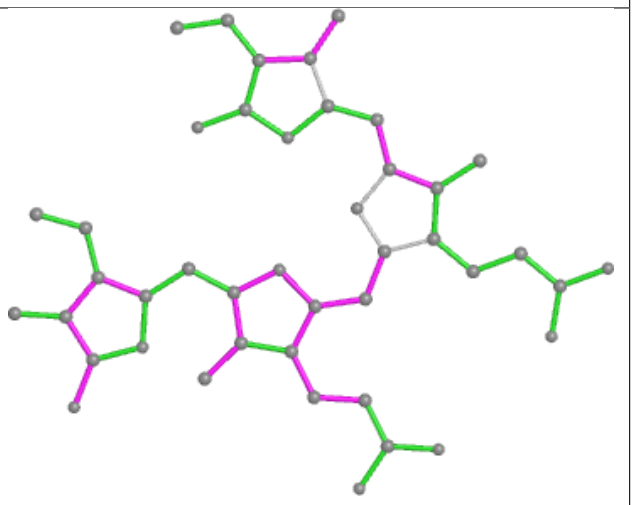

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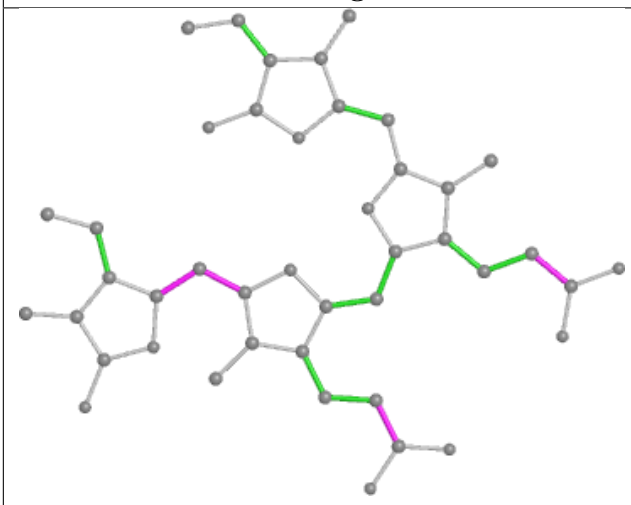

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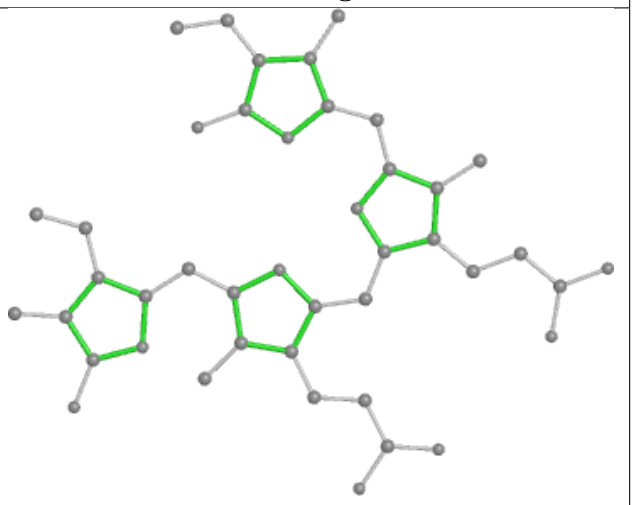

Rings

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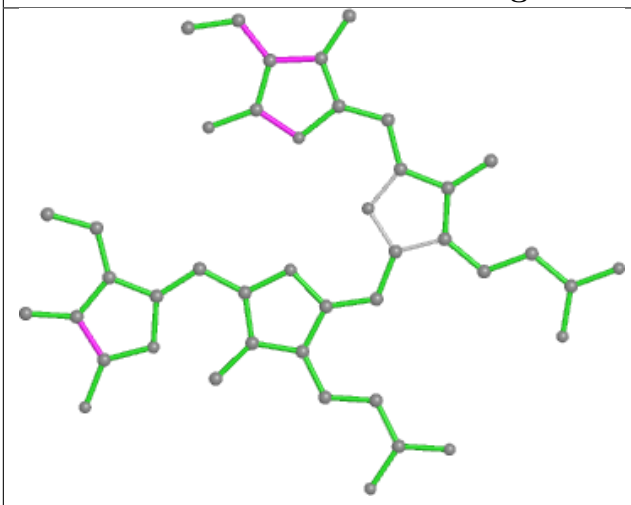

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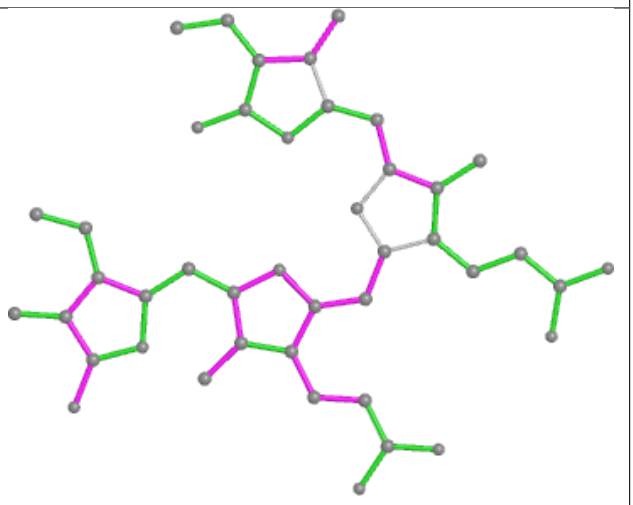

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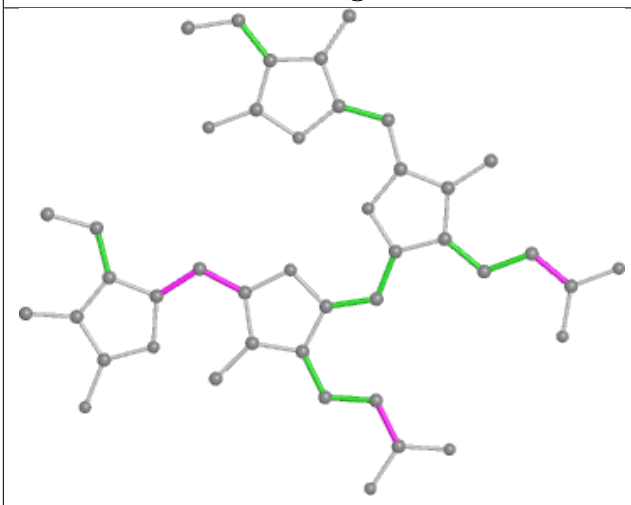

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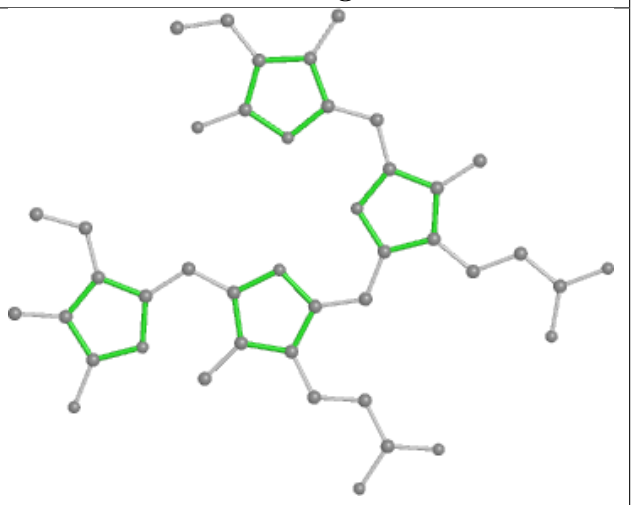
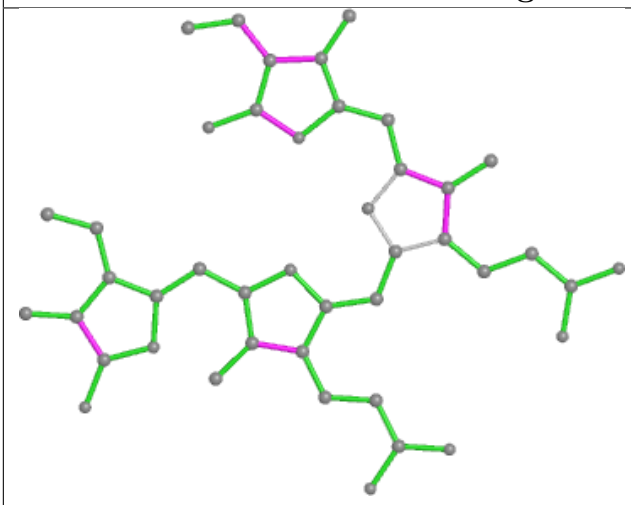


Rings

Ligand PEB dL 202



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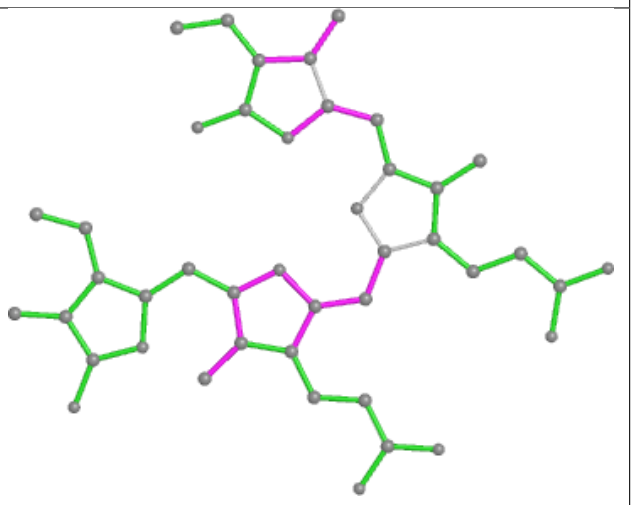

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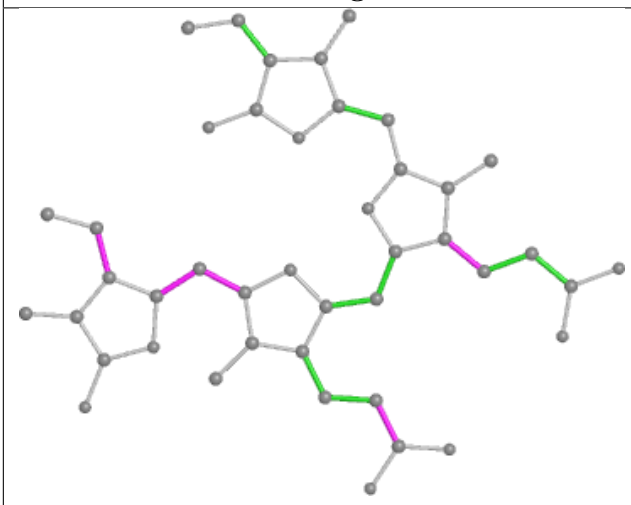

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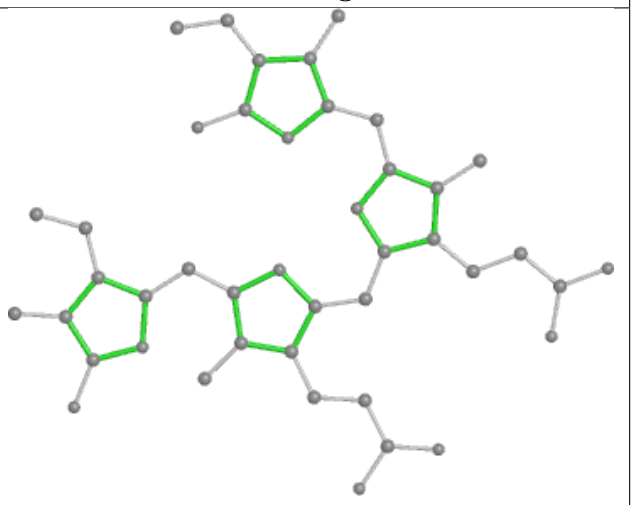

Rings

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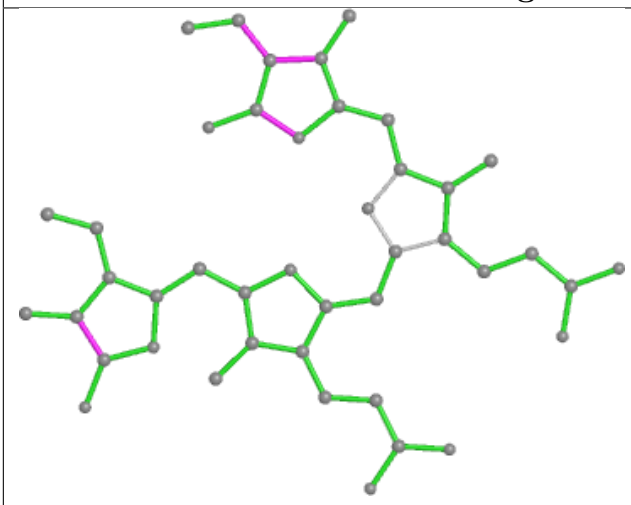

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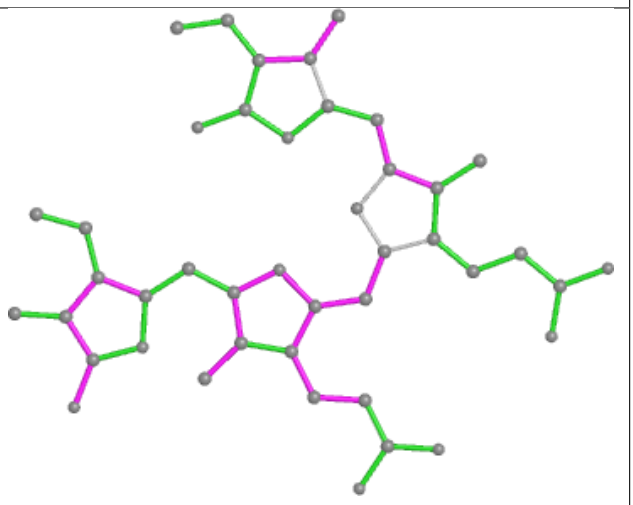

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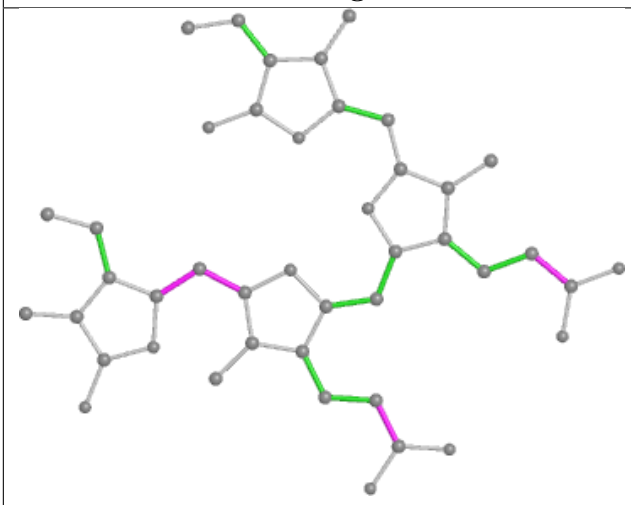

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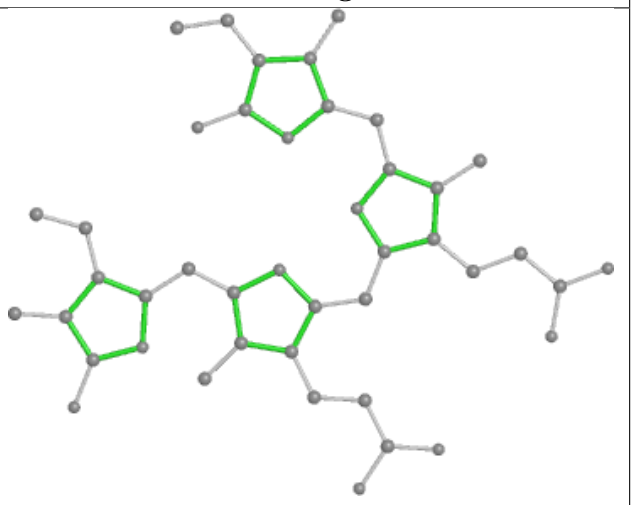

Rings

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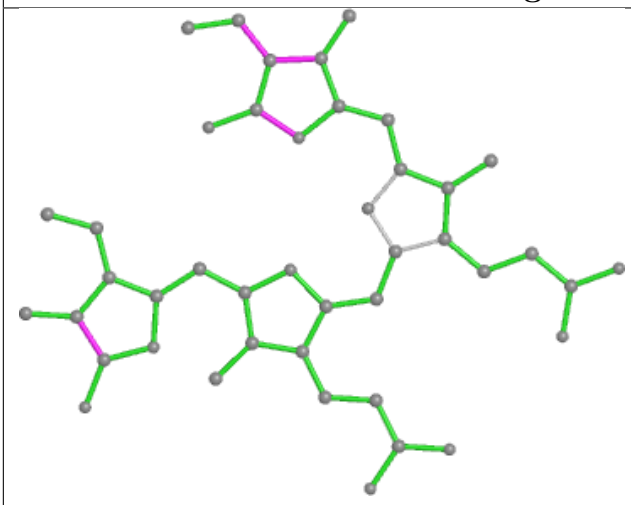

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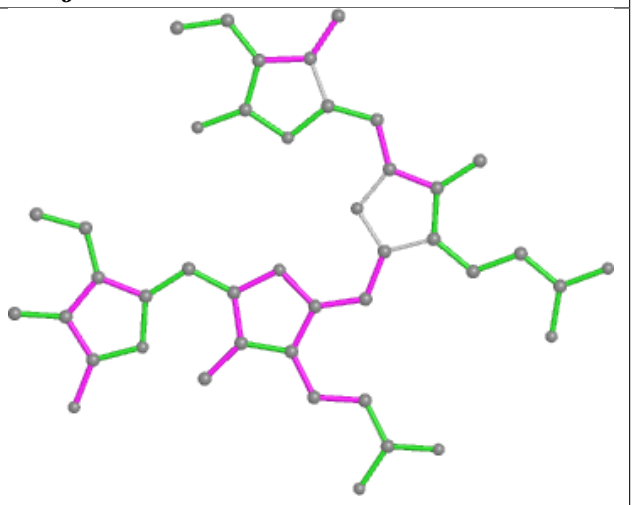

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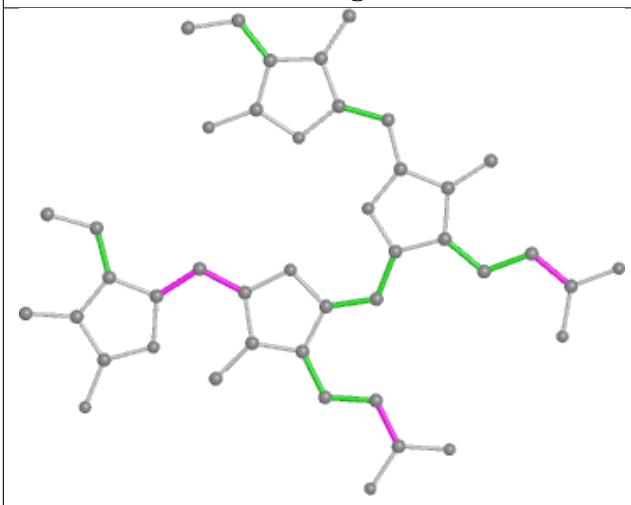

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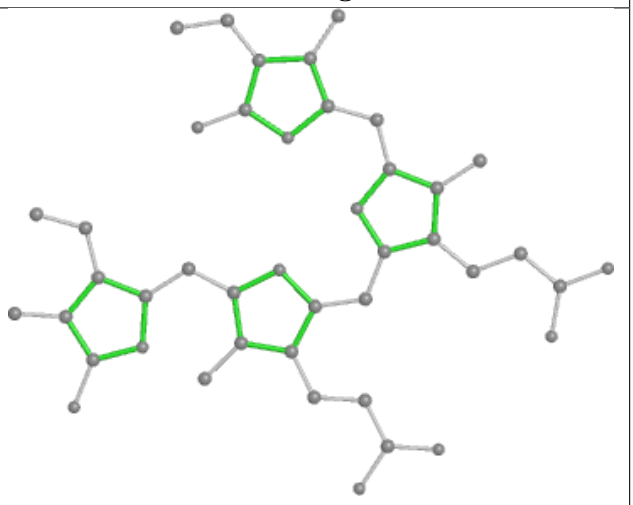

Rings

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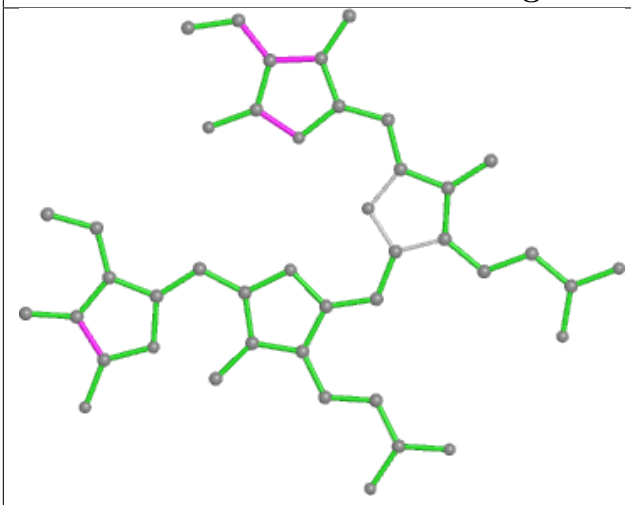

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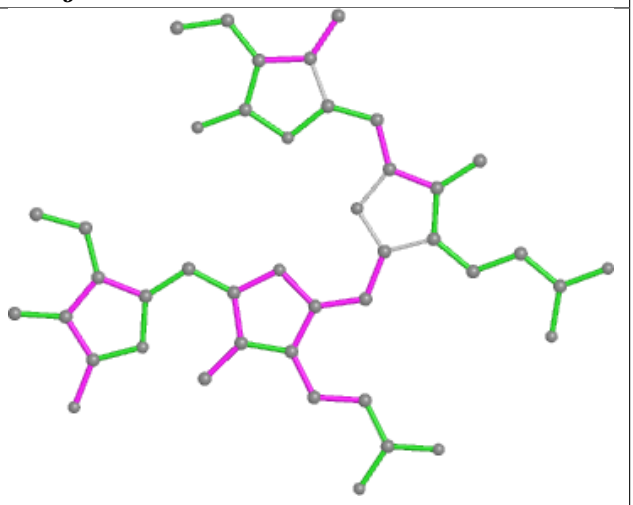

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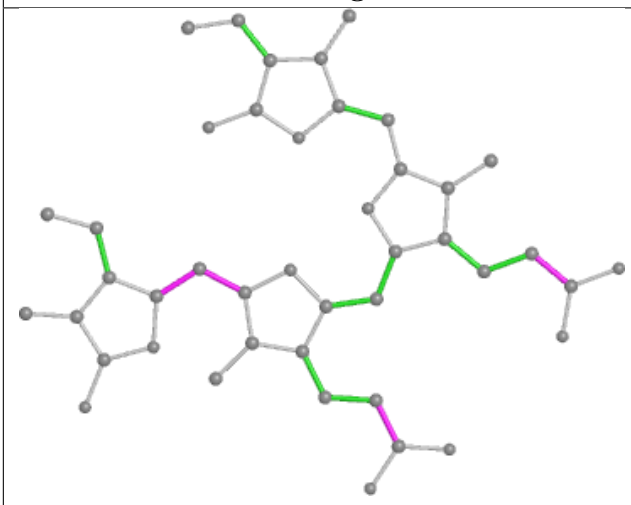

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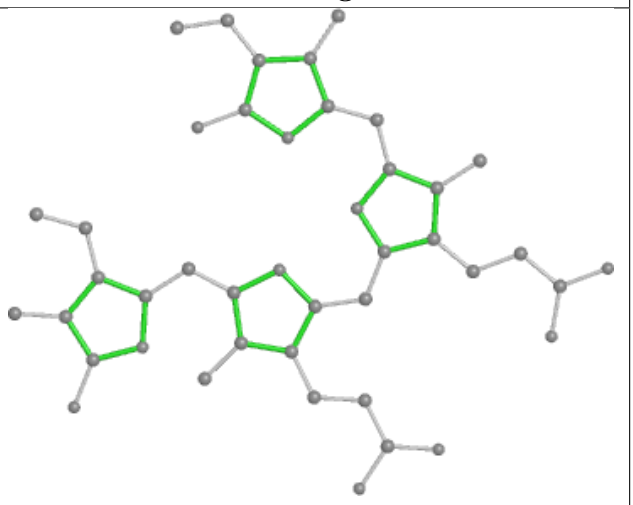
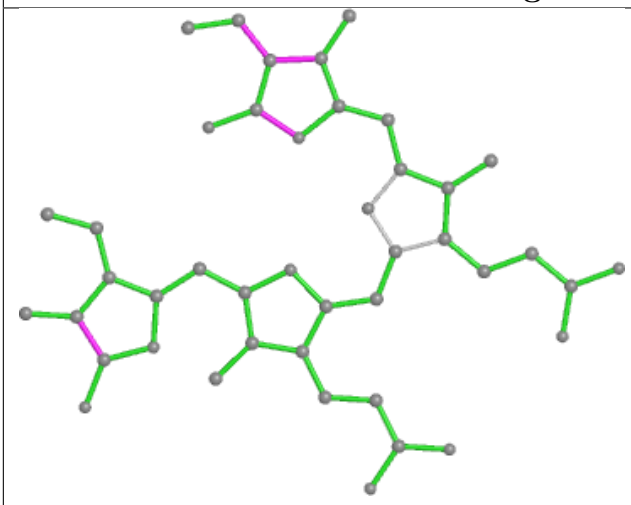


Rings

Ligand PEB fa 201



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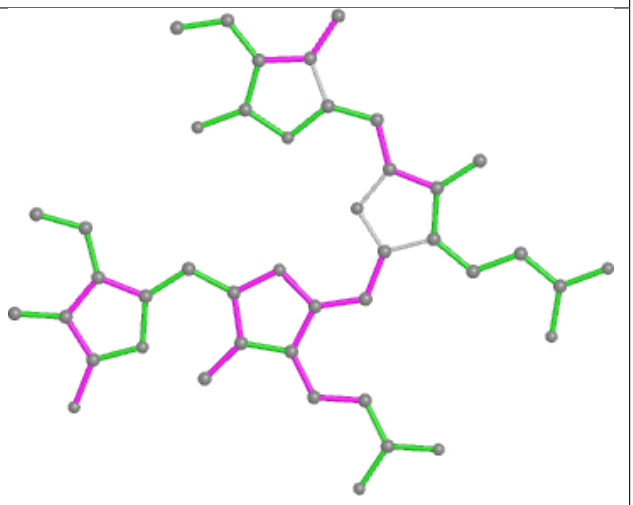

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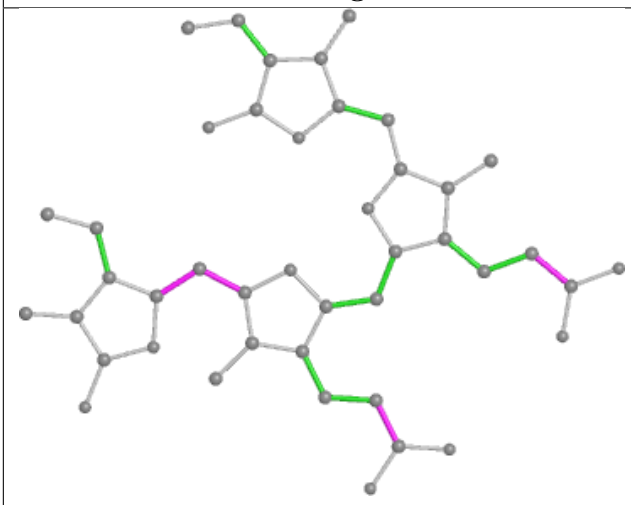

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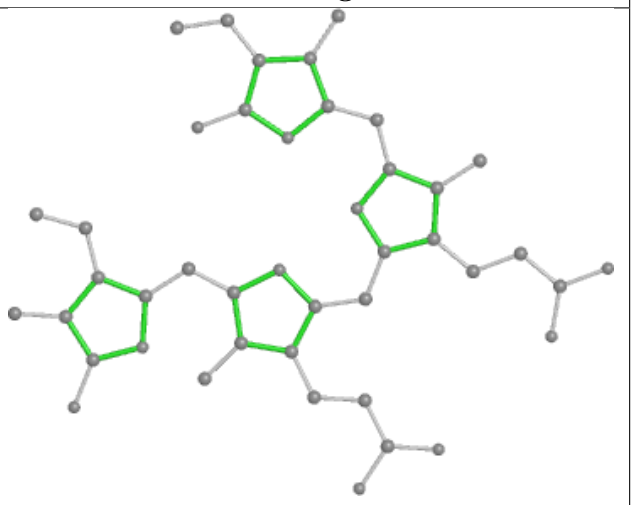
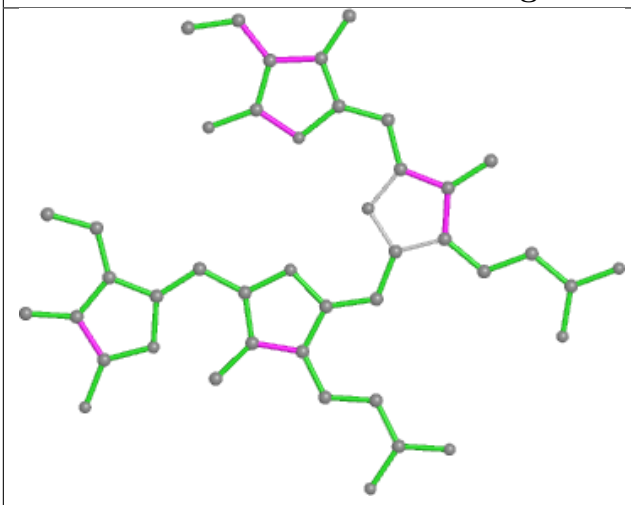


Rings

Ligand PEB a7 202



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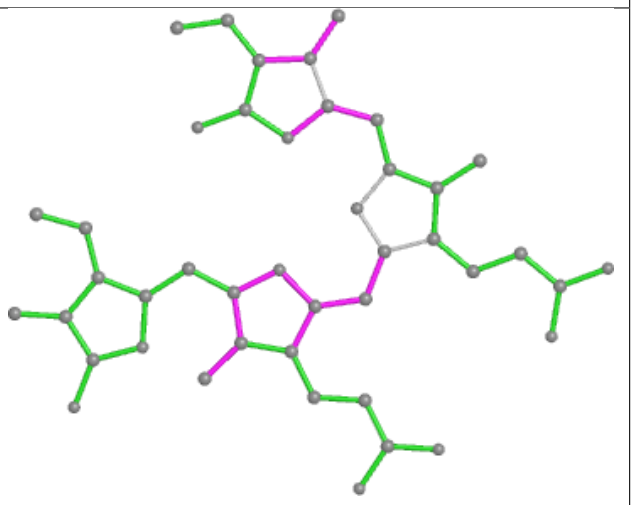

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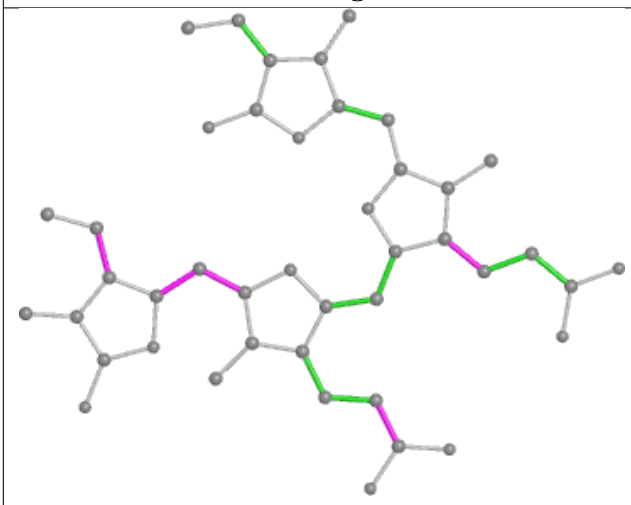

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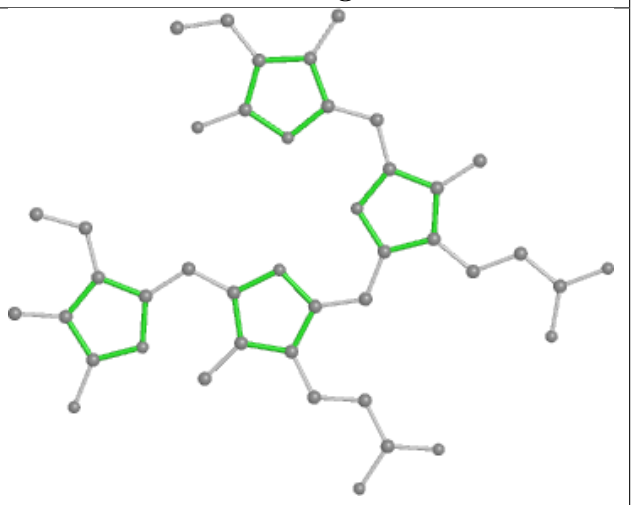

Rings

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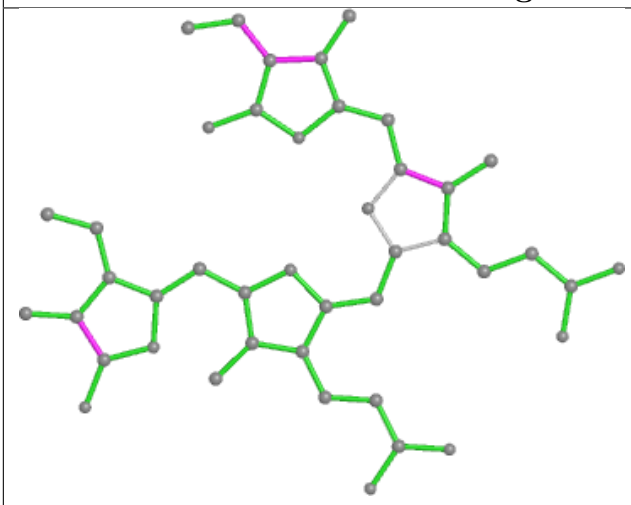

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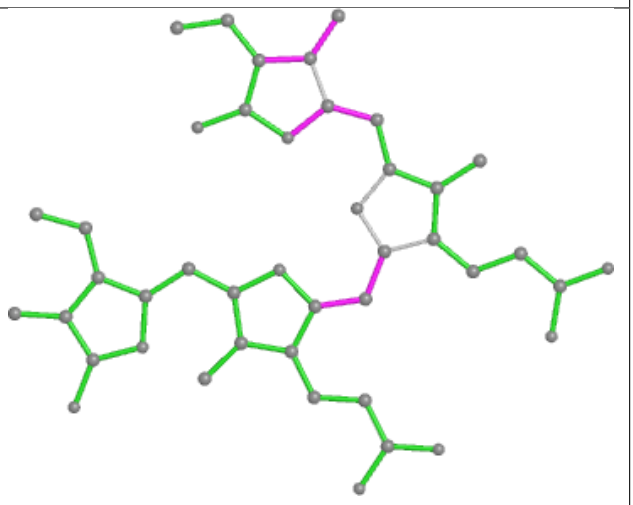

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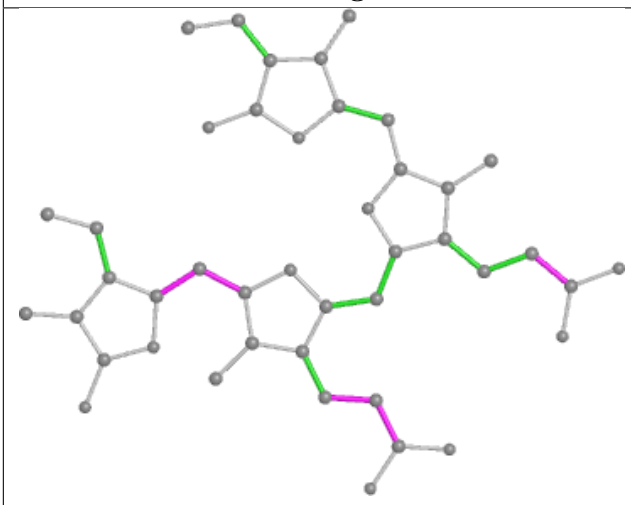

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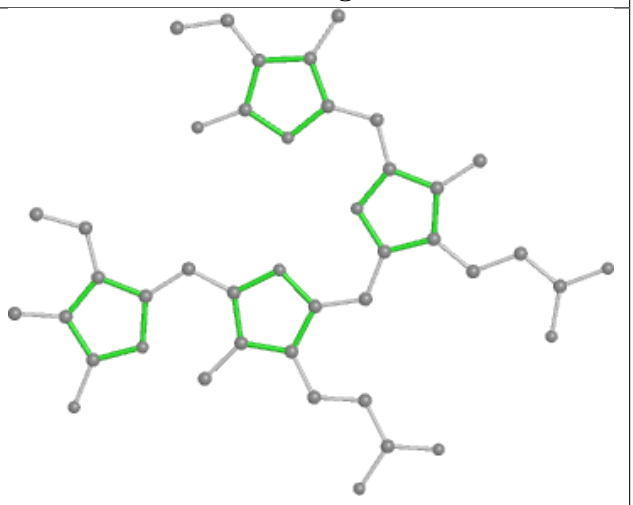

Rings

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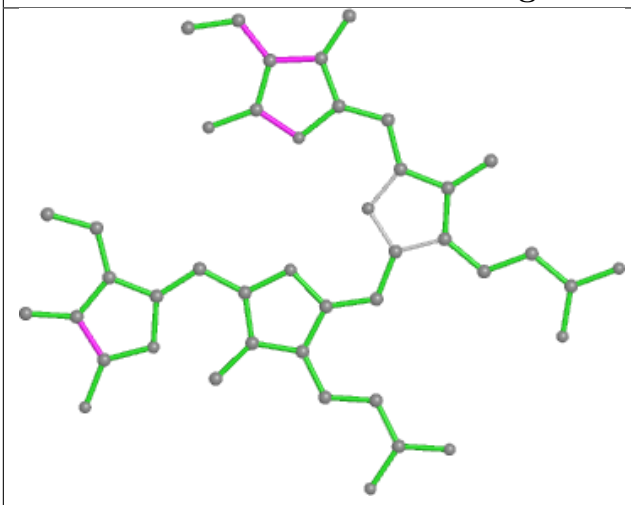

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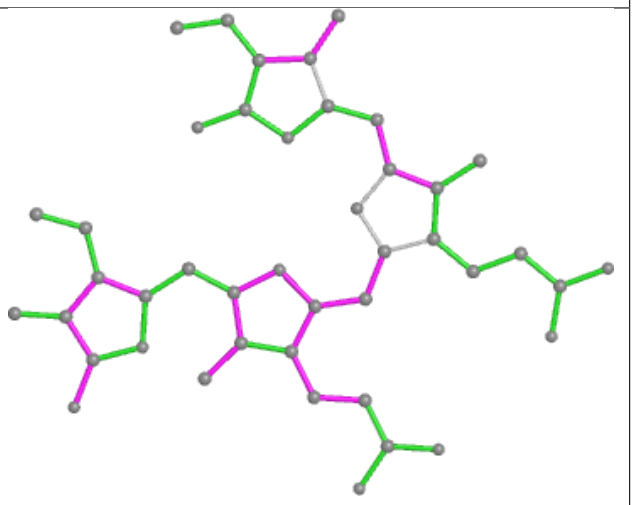

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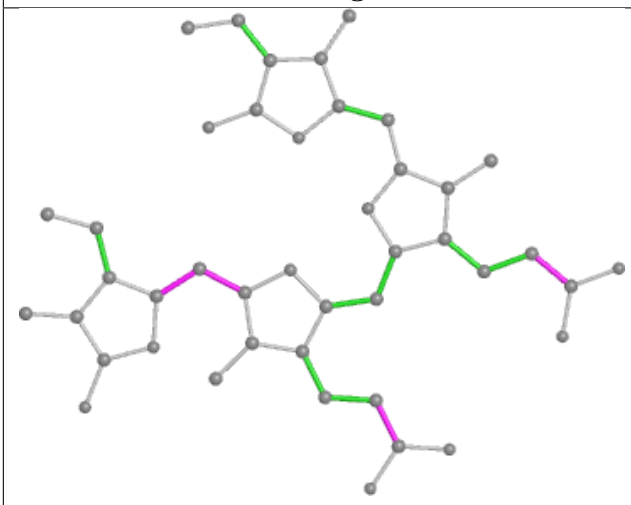

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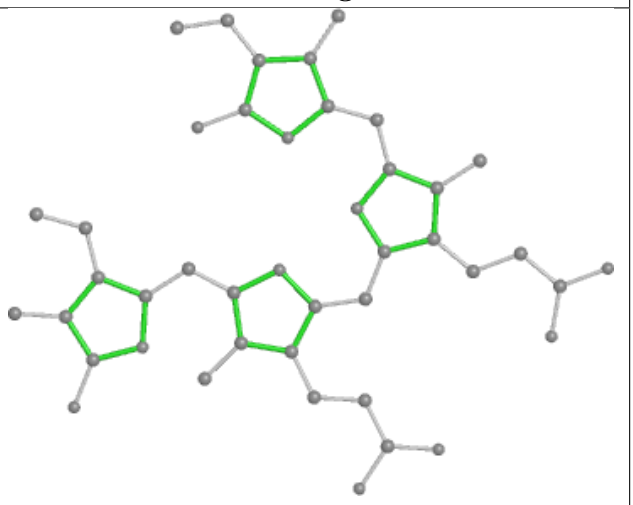

Rings

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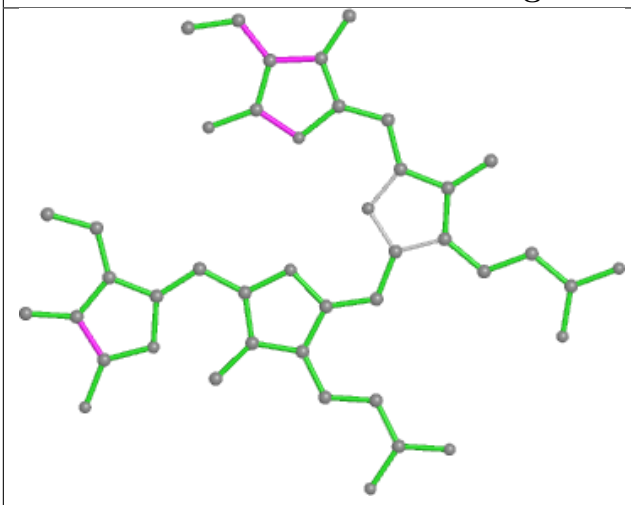

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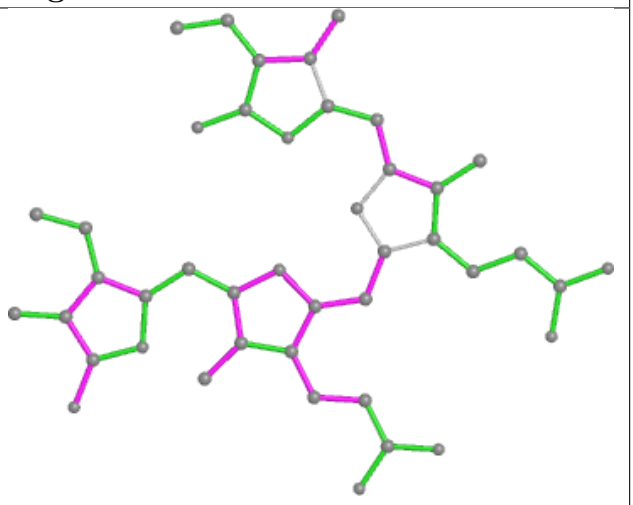

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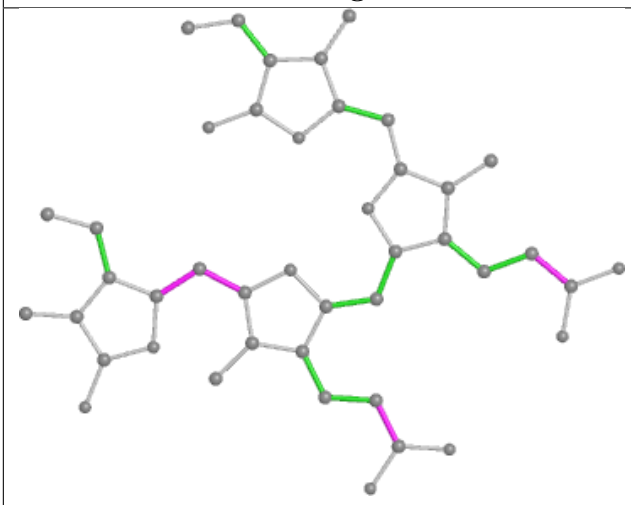

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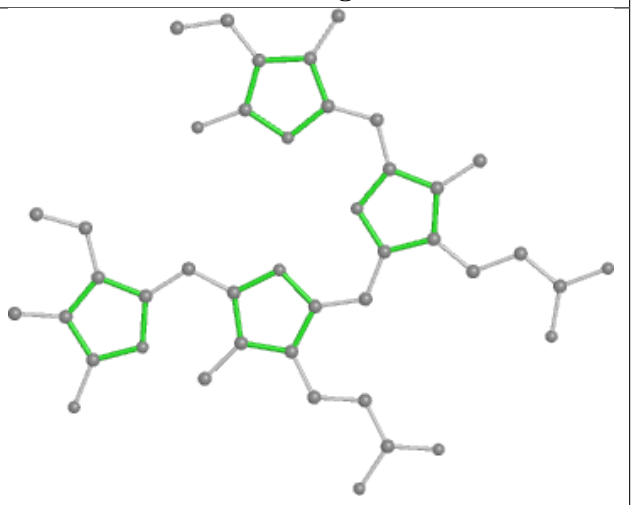

Rings

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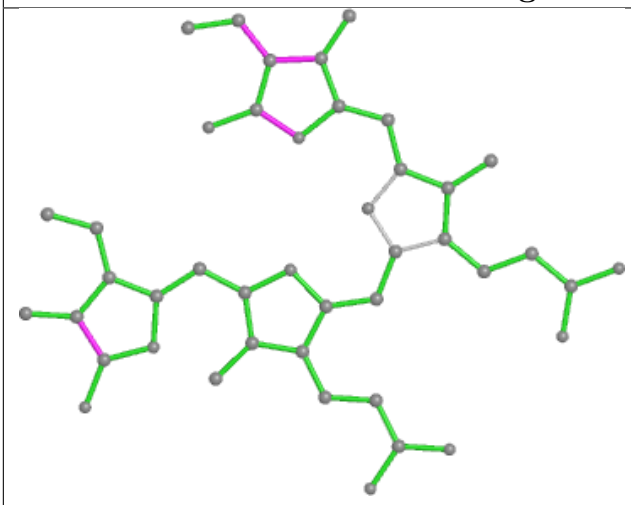

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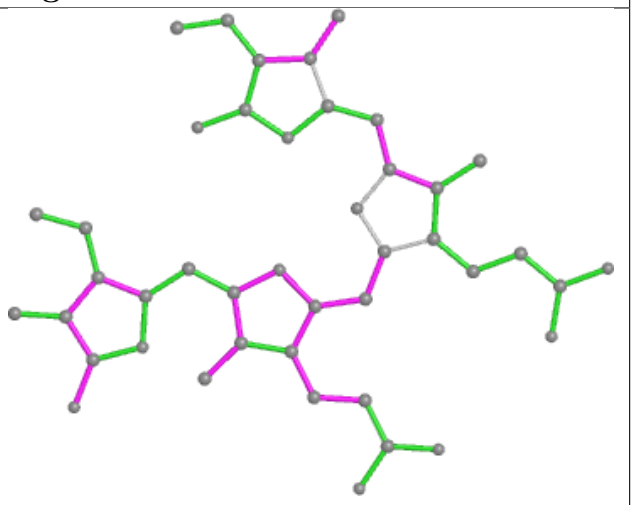

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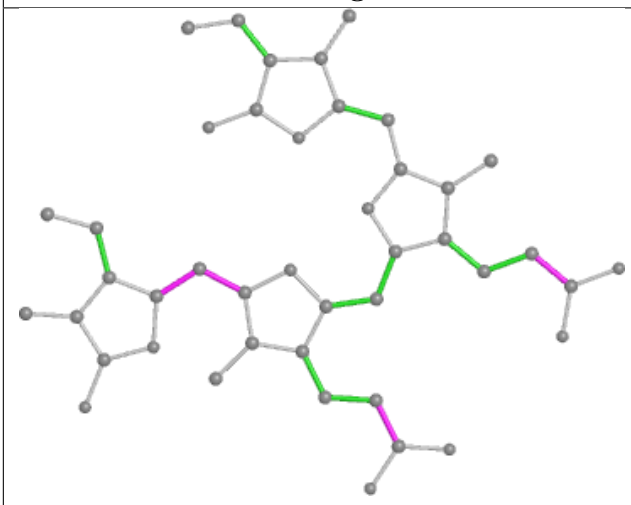

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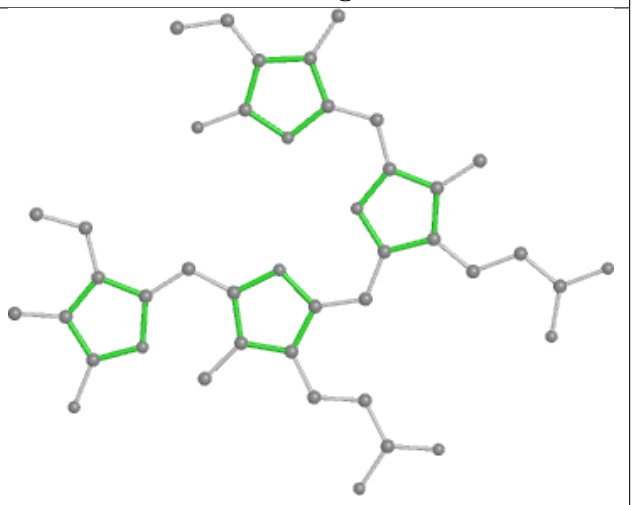

Rings

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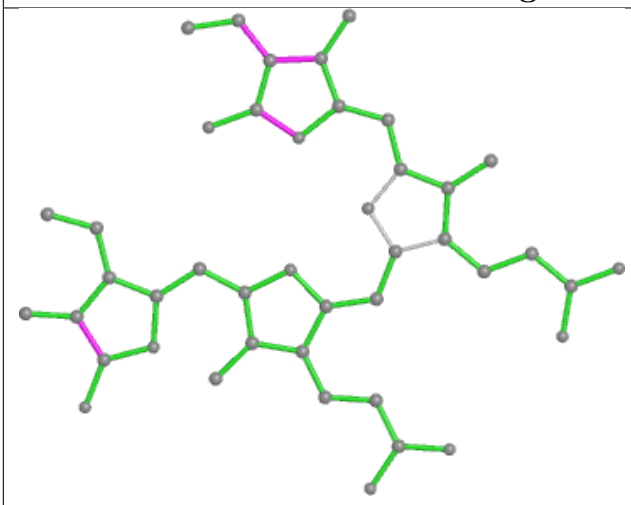

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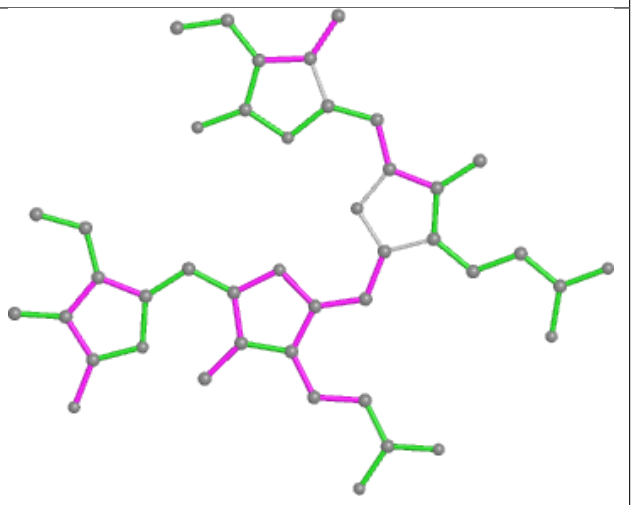

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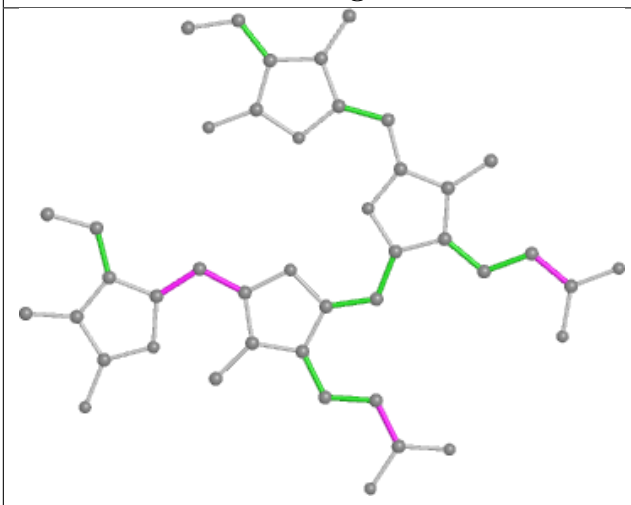

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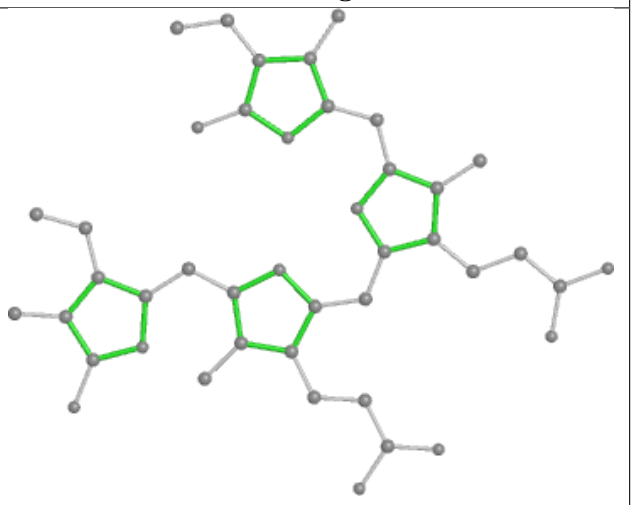
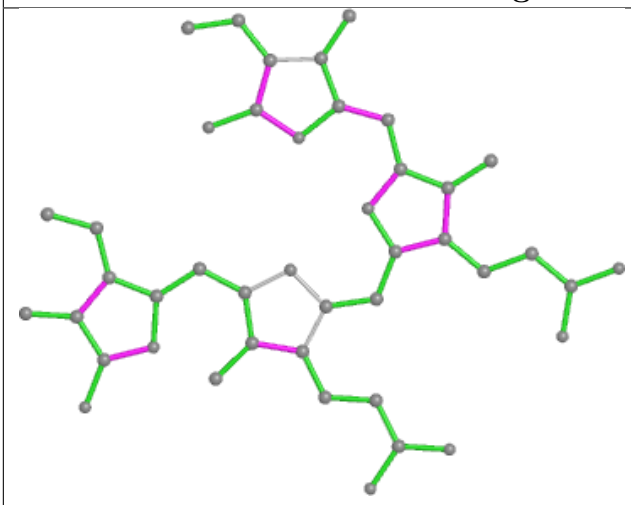
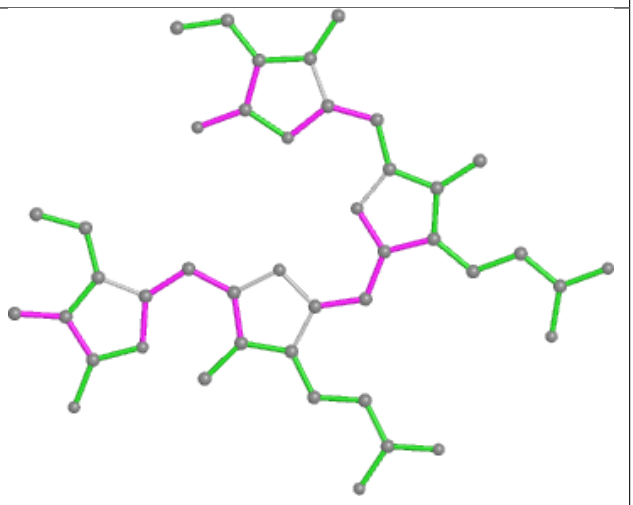


Rings

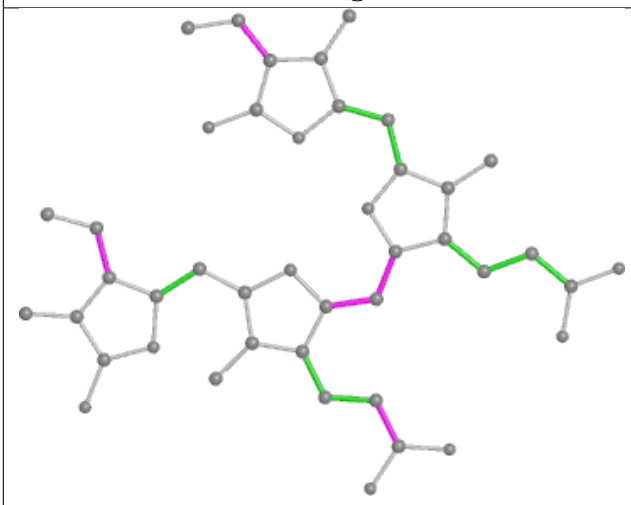
Ligand PUB N2 203



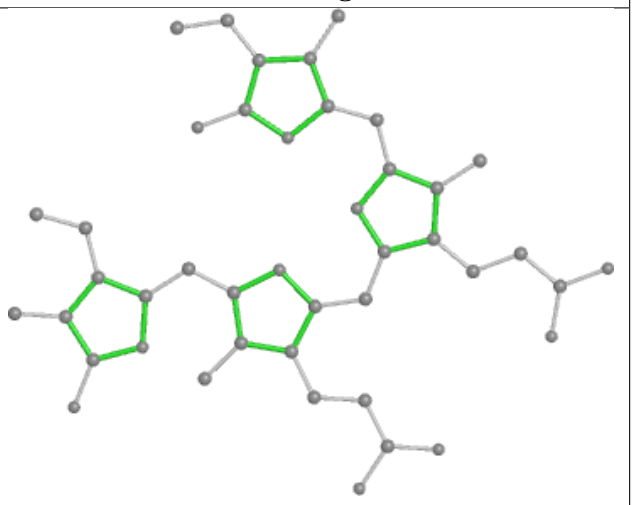
Bond lengths



Bond angles

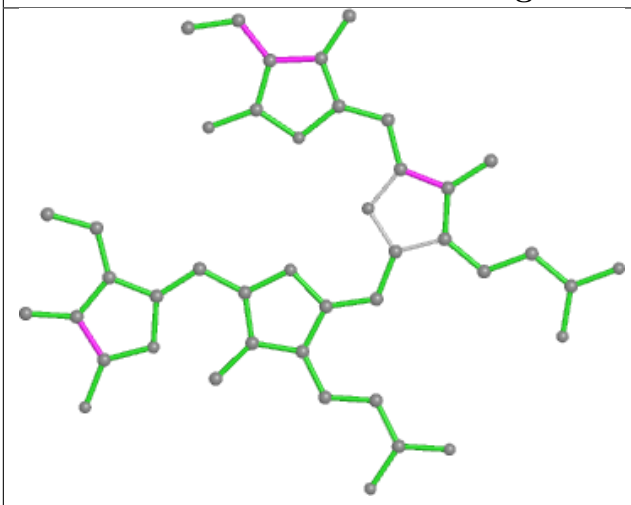


Torsions



Rings

Ligand PEB A5 202



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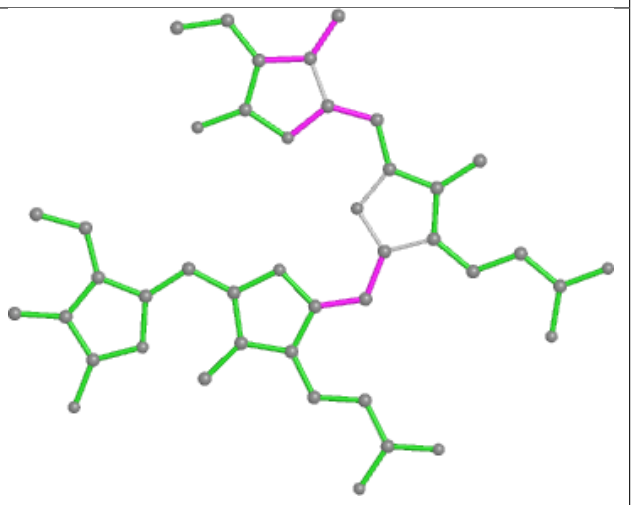

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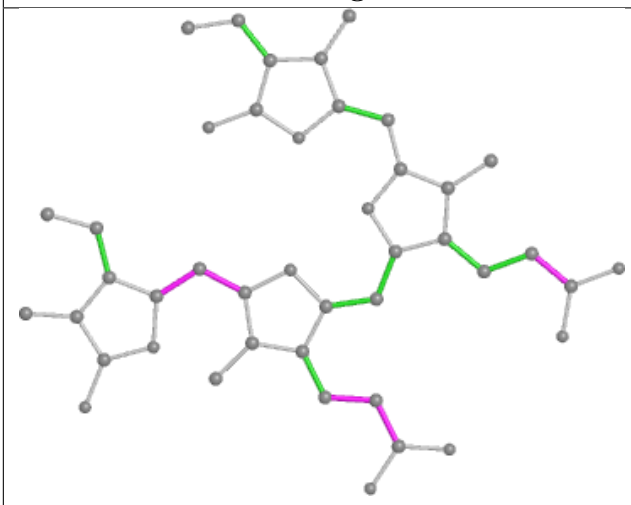

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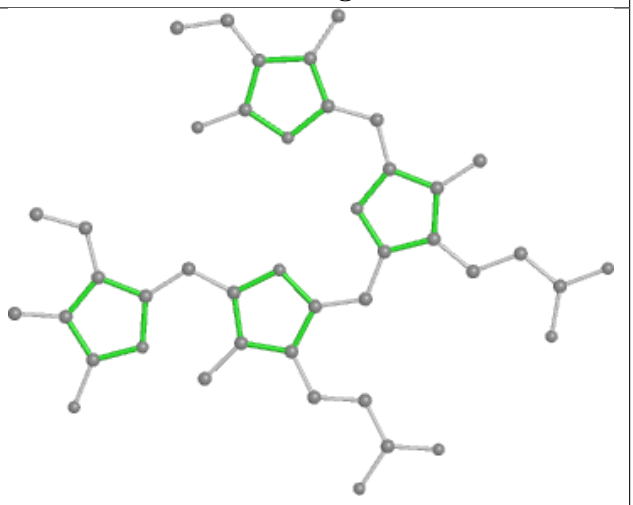
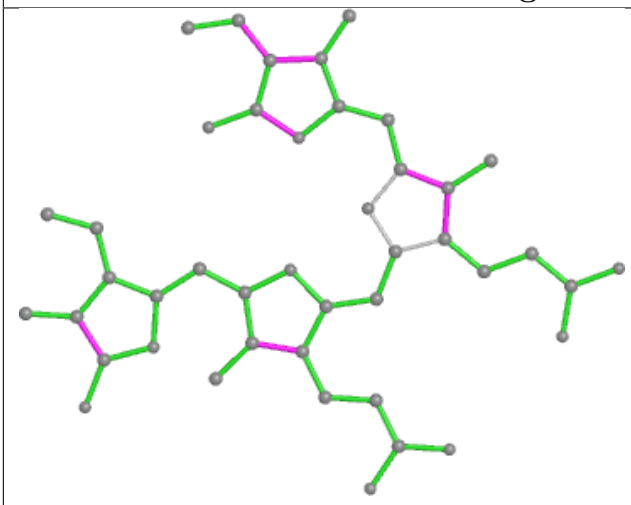


Rings

Ligand PEB y7 202



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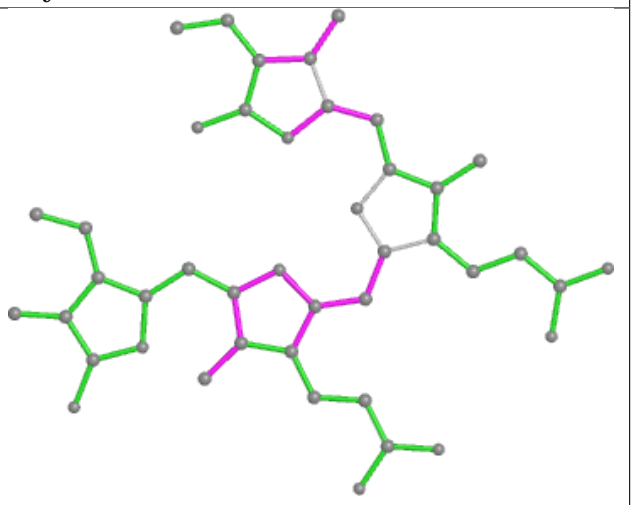

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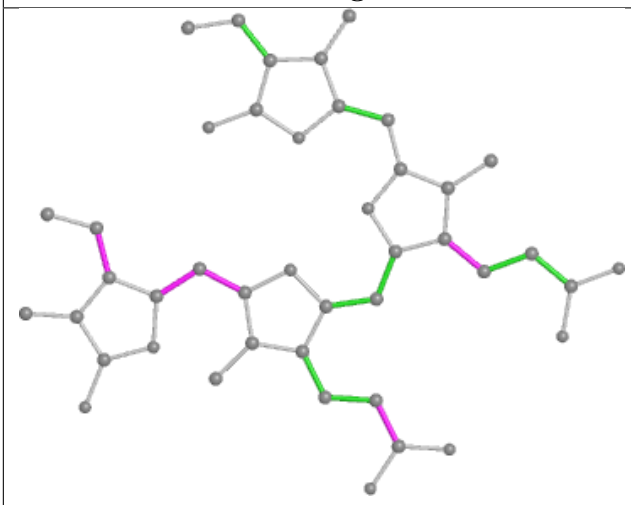

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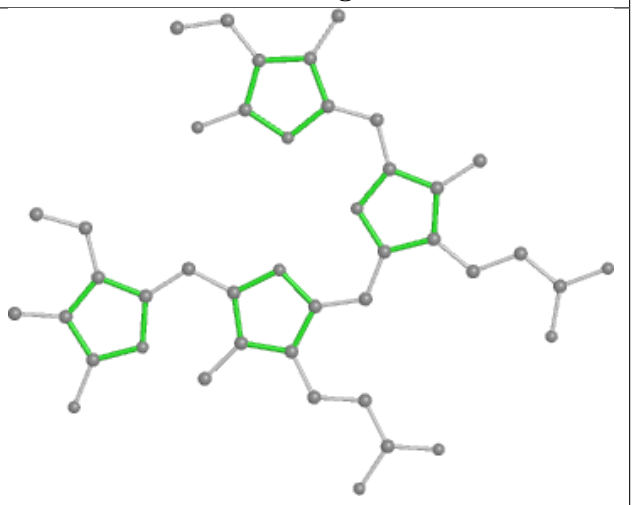
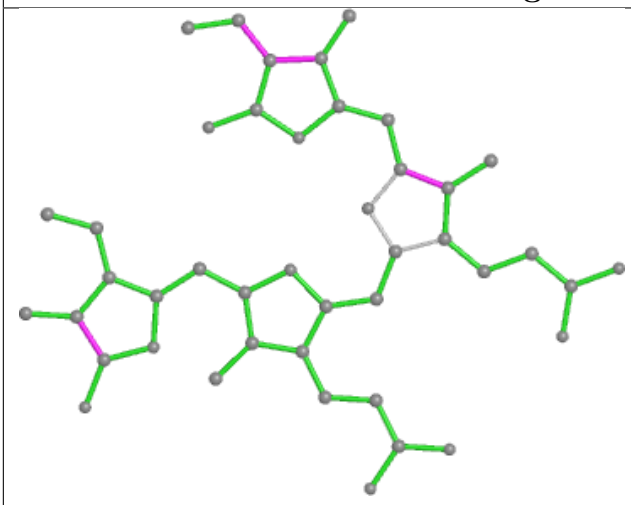


Rings

Ligand PEB lo 201



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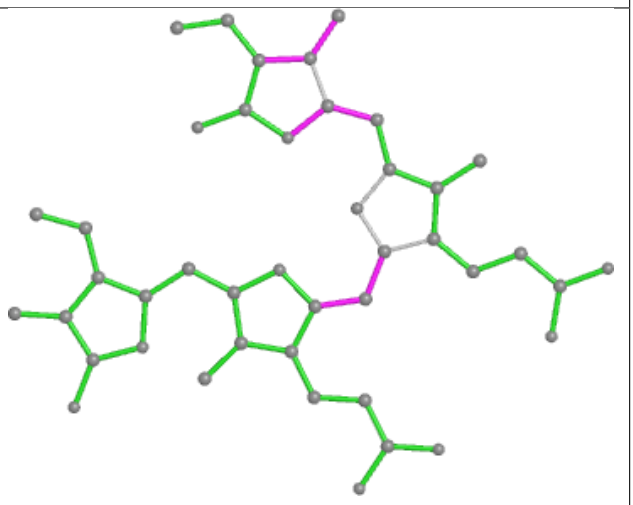

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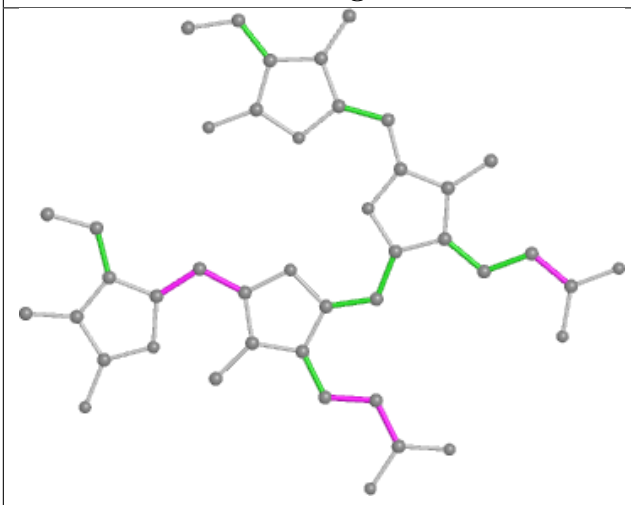

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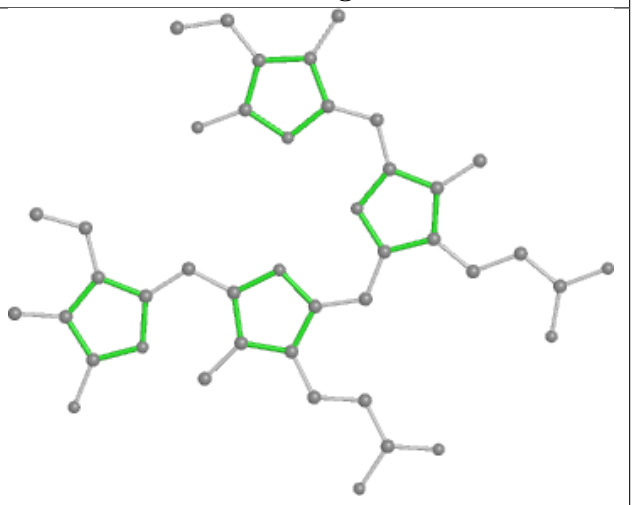
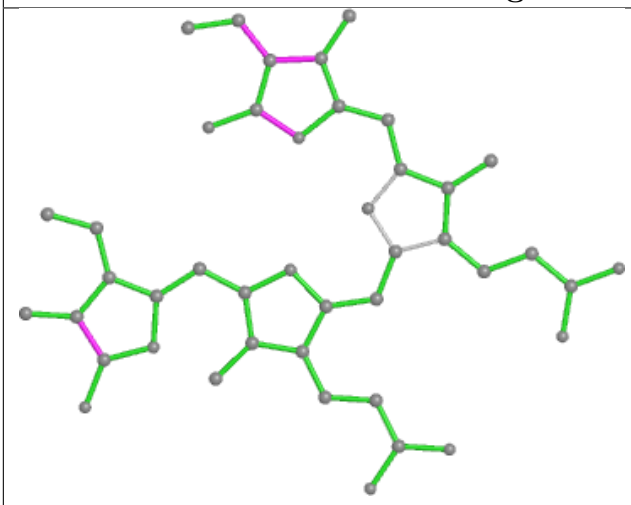


Rings

Ligand PEB w6 1001



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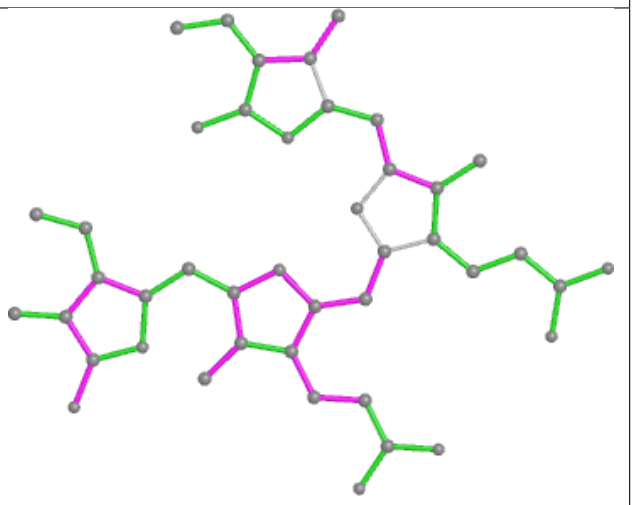

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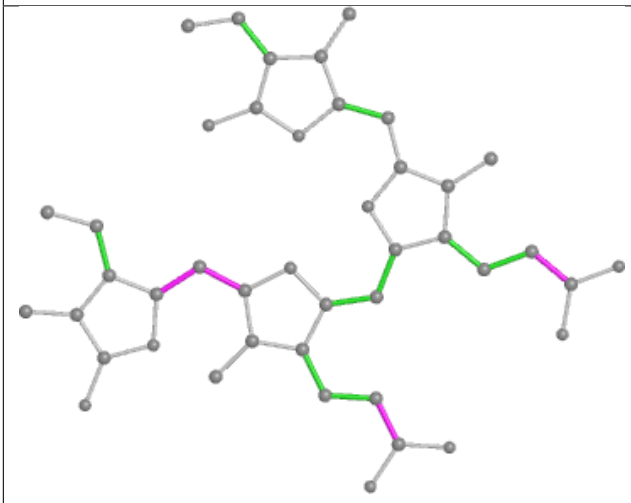

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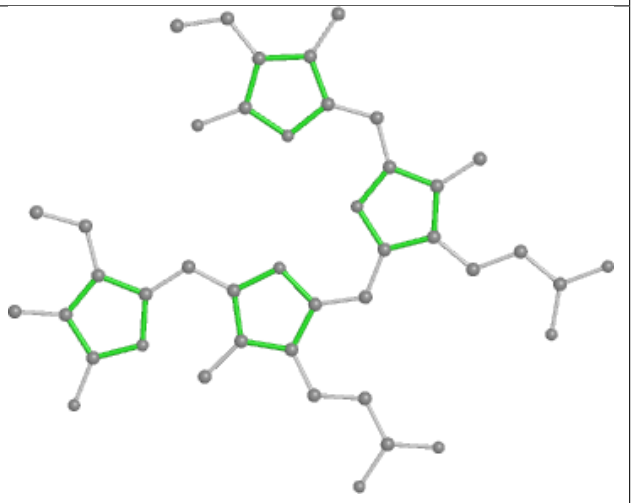

Rings

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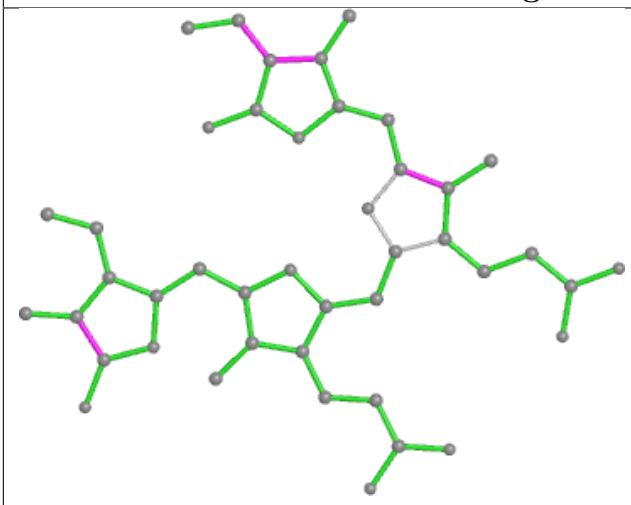

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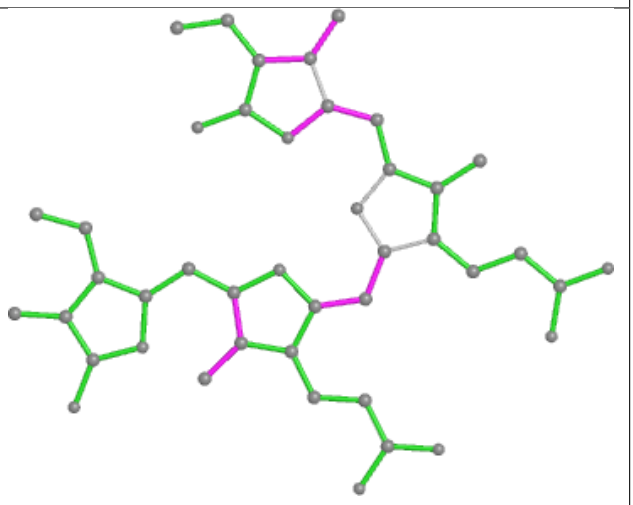

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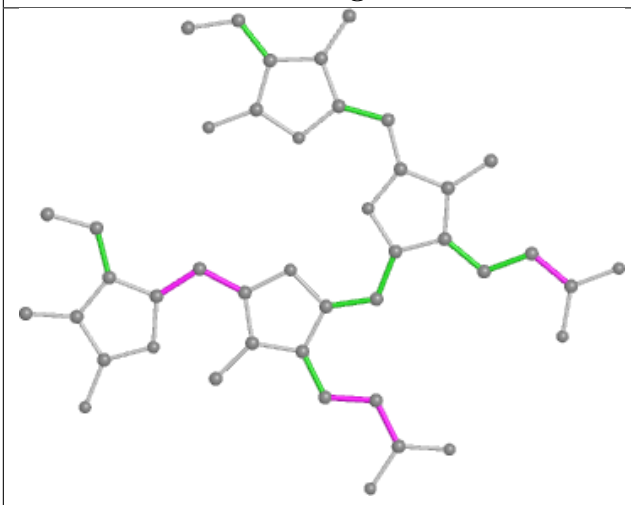

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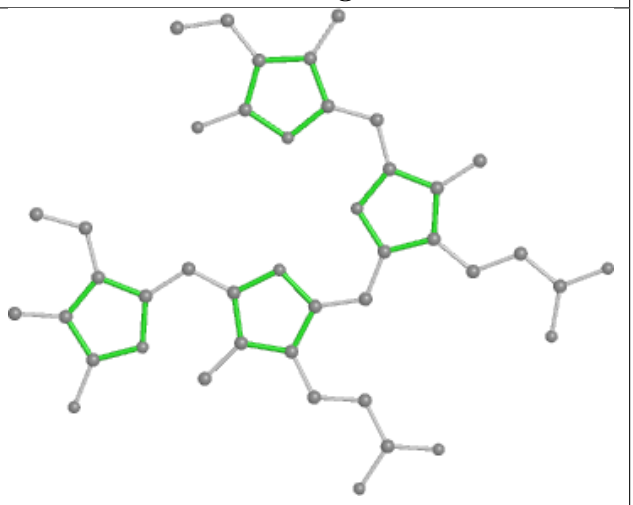
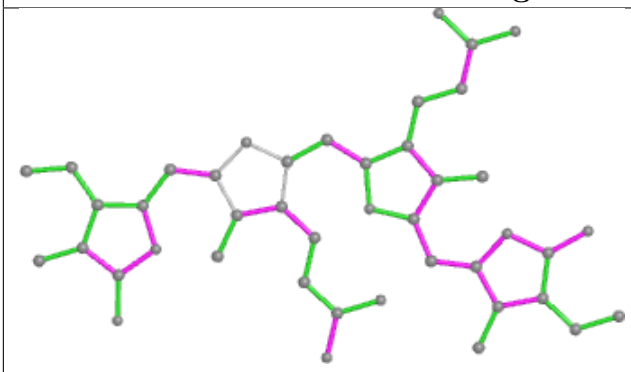


Rings

Ligand CYC Y1 201



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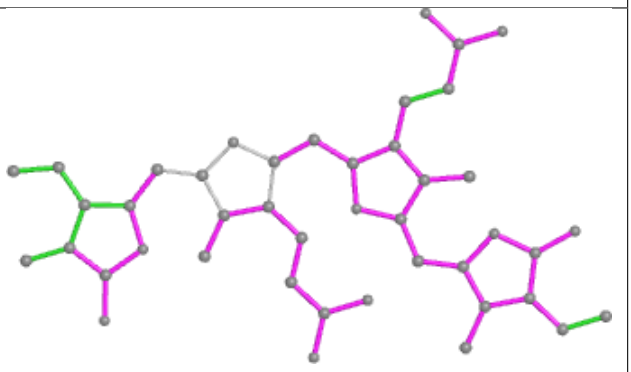

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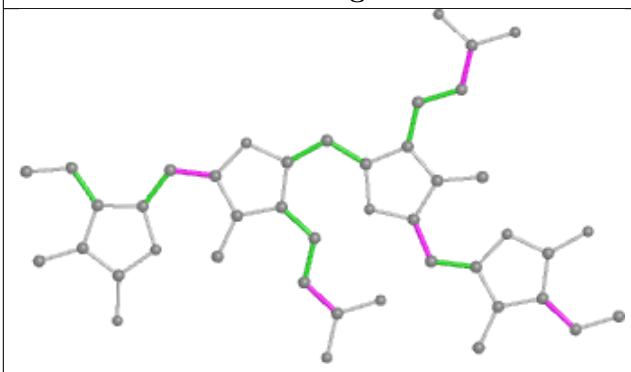

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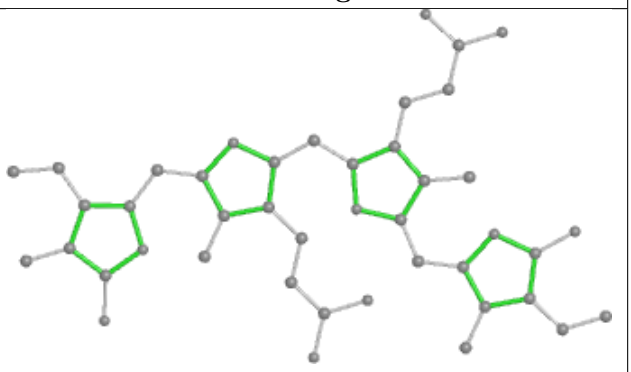
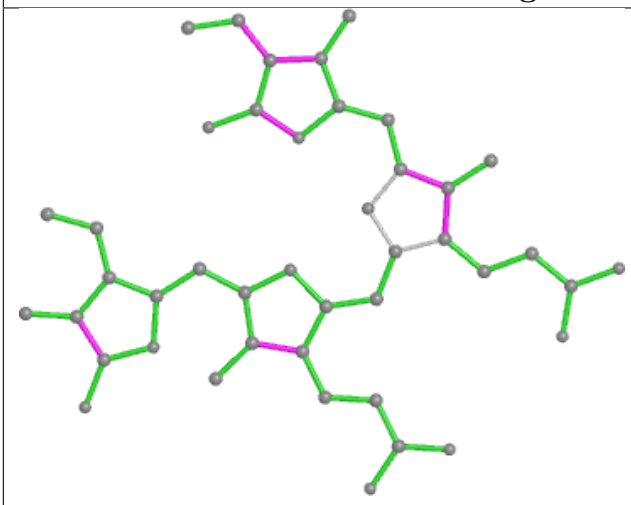


Rings

Ligand PEB gx 202



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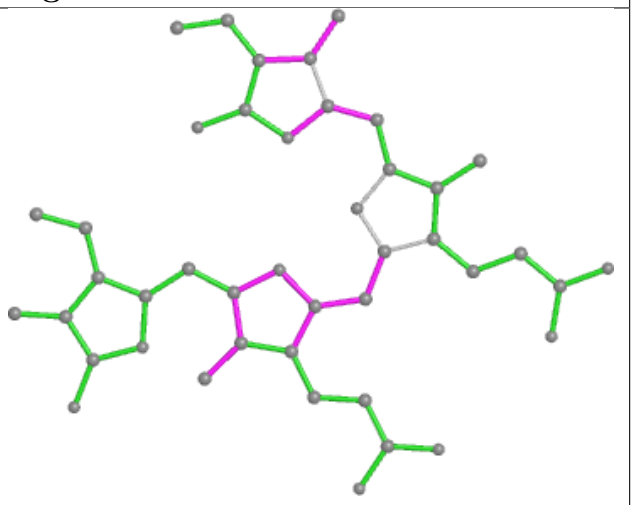

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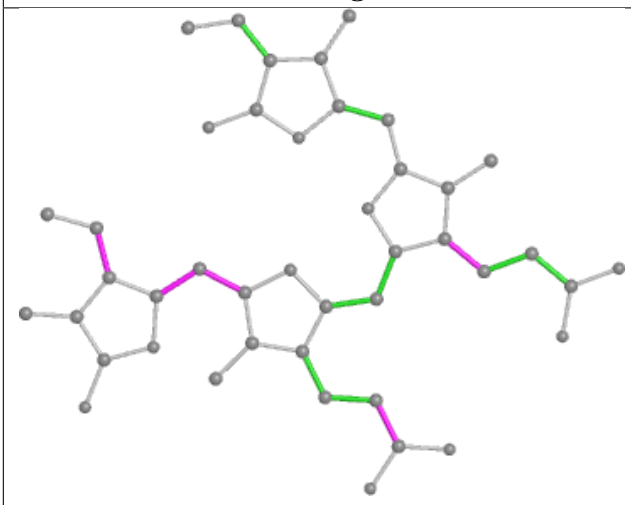

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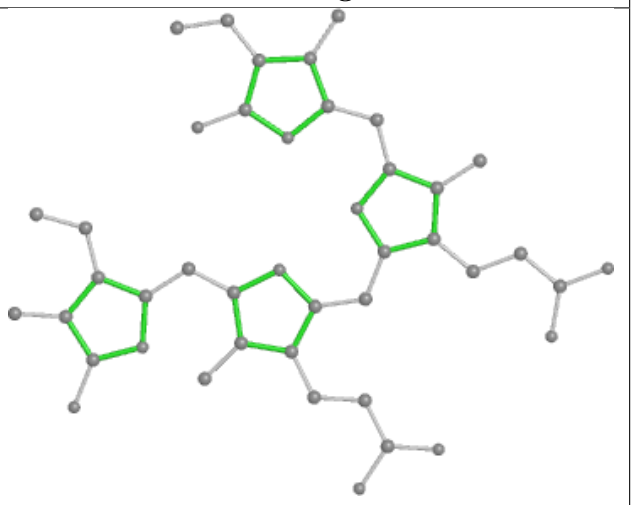

Rings

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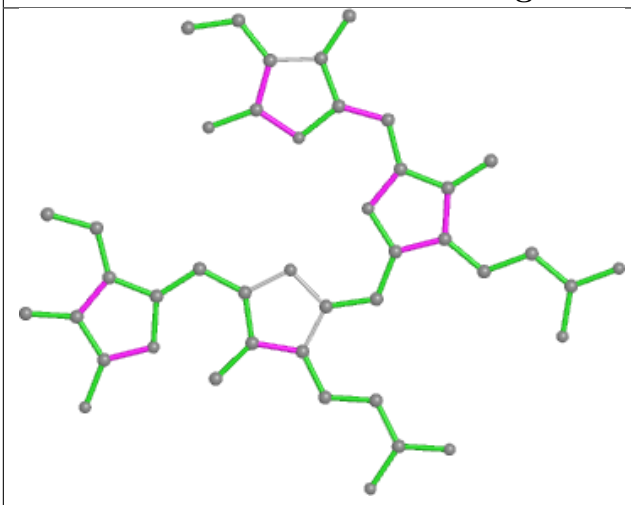

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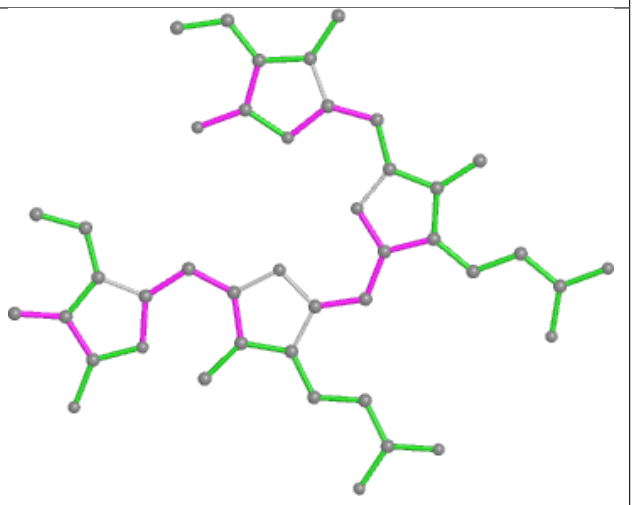

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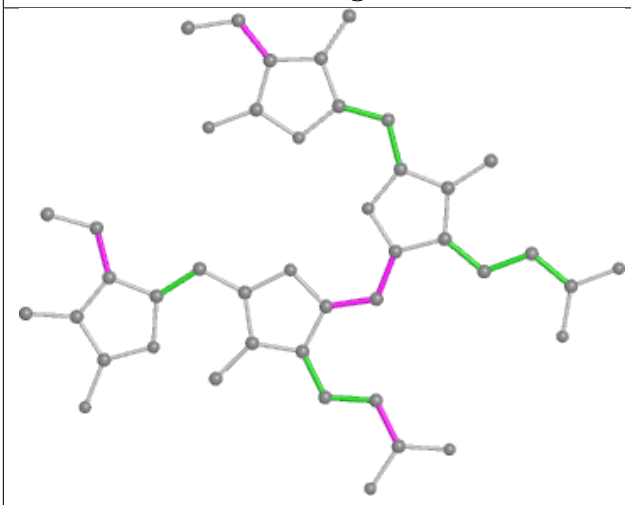

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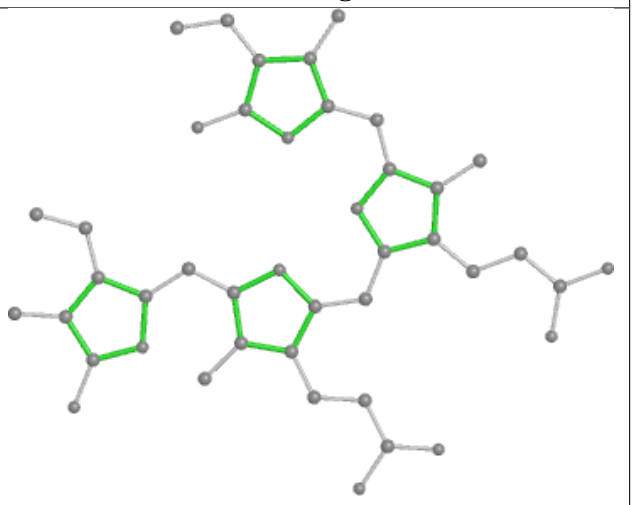
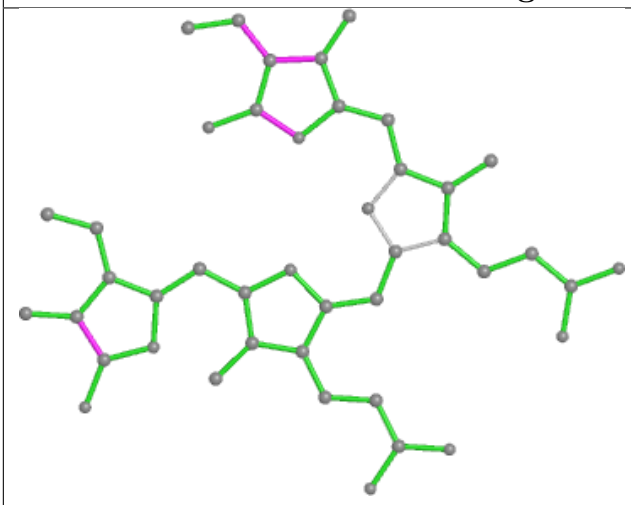


Rings

Ligand PEB Z8 201



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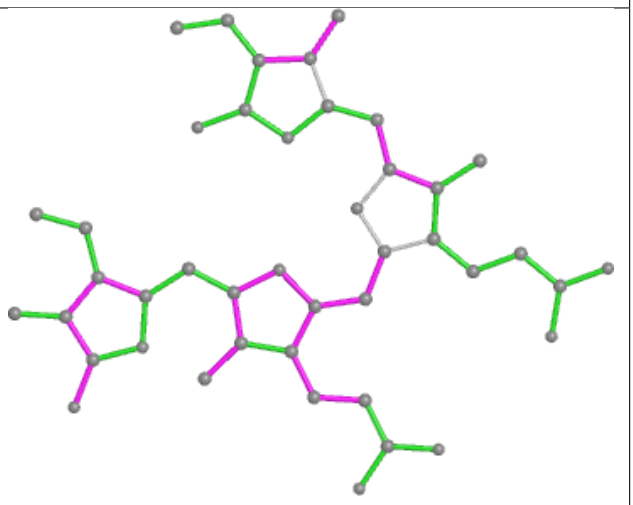

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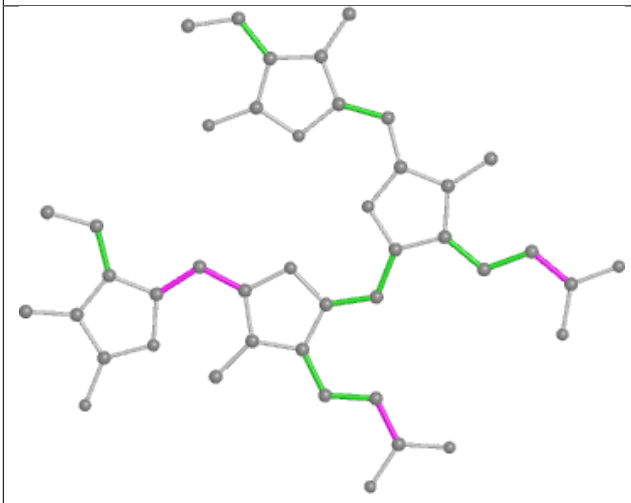

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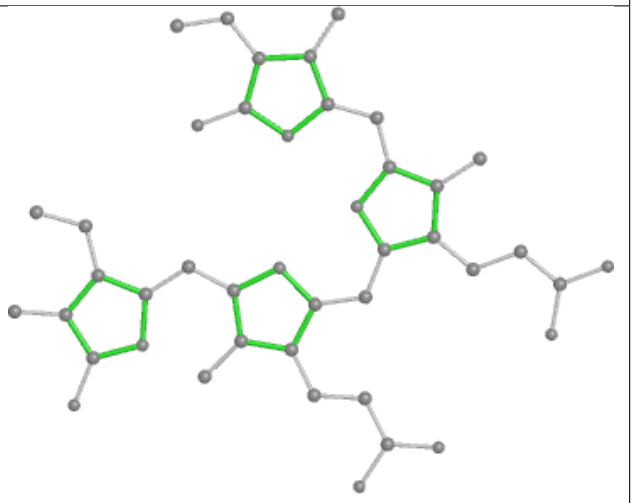
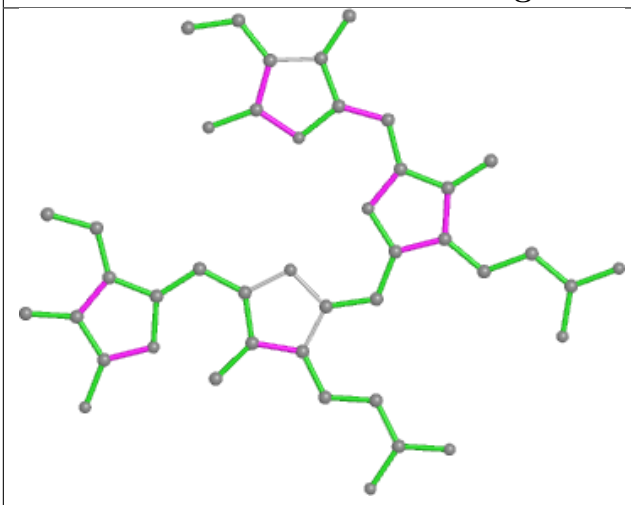


Rings

Ligand PUB P2 203



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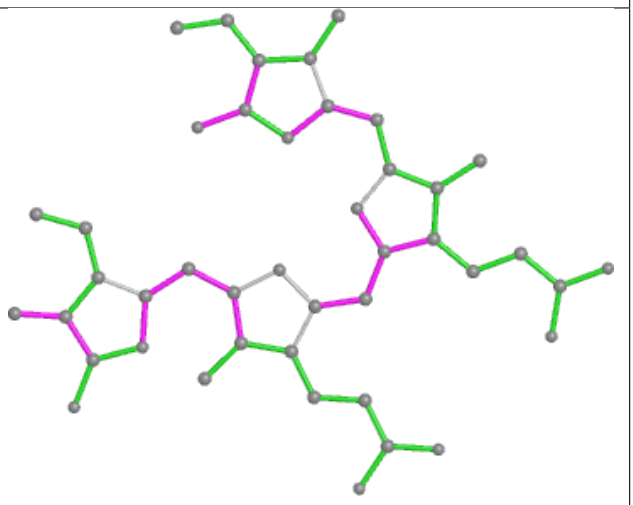

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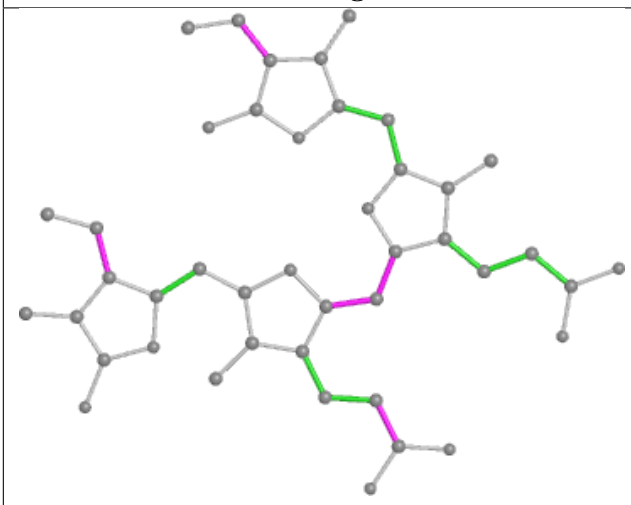

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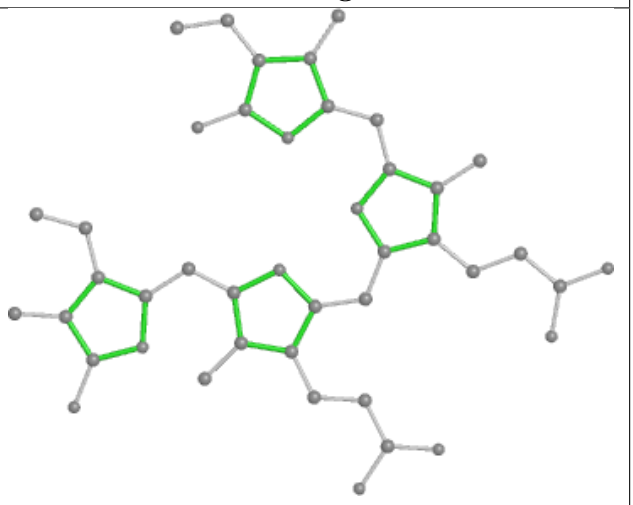
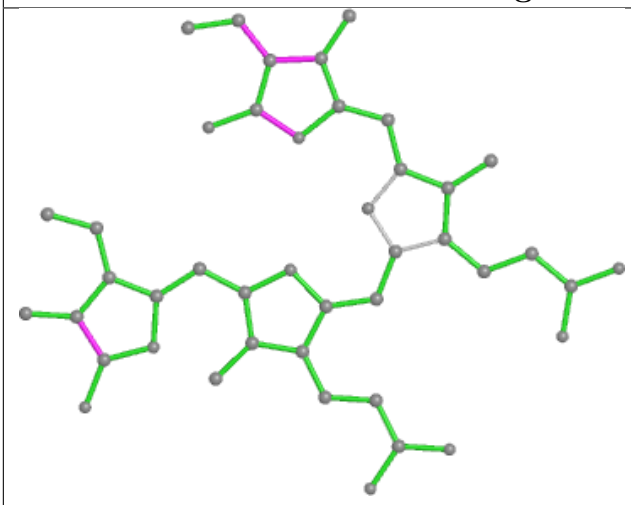


Rings

Ligand PEB N4 201



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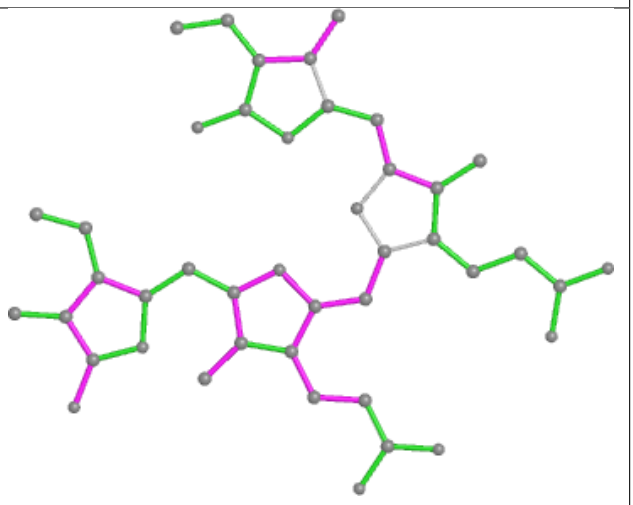
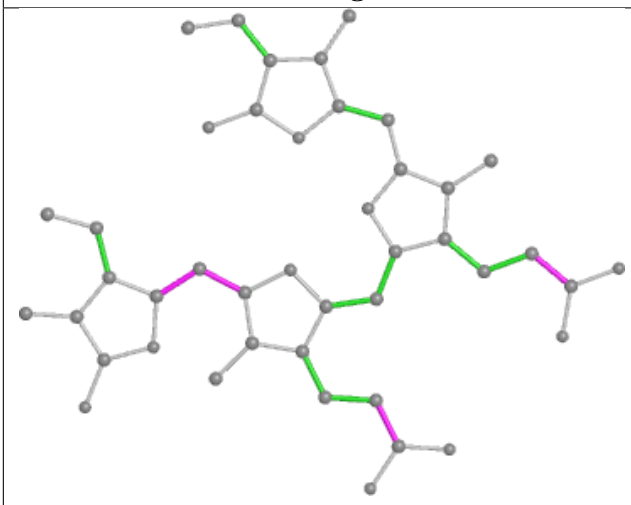


Bond angles



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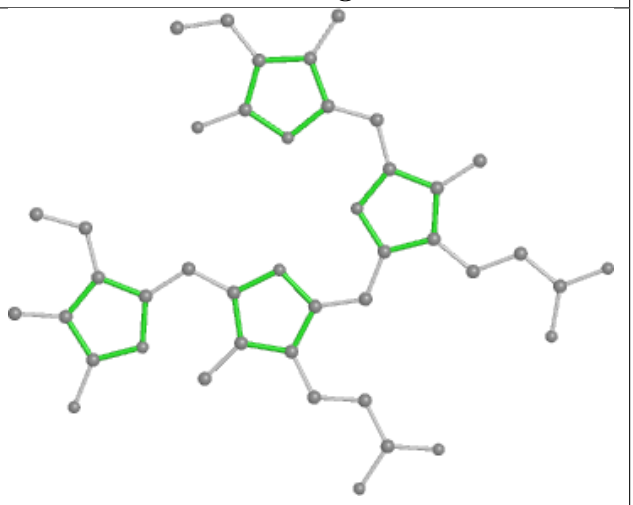
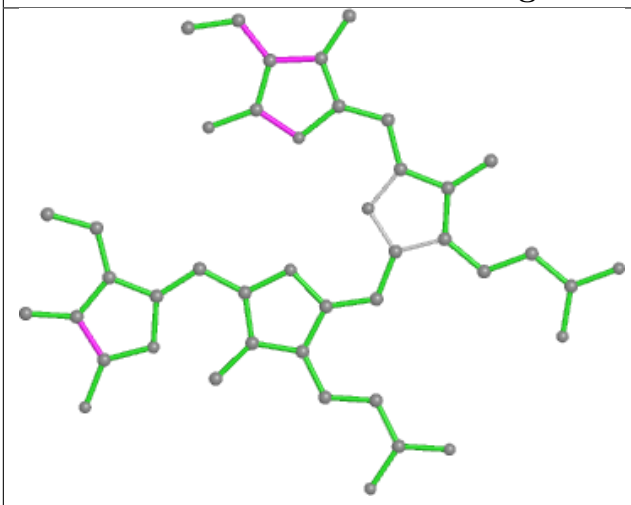


Rings

Ligand PEB h9 201



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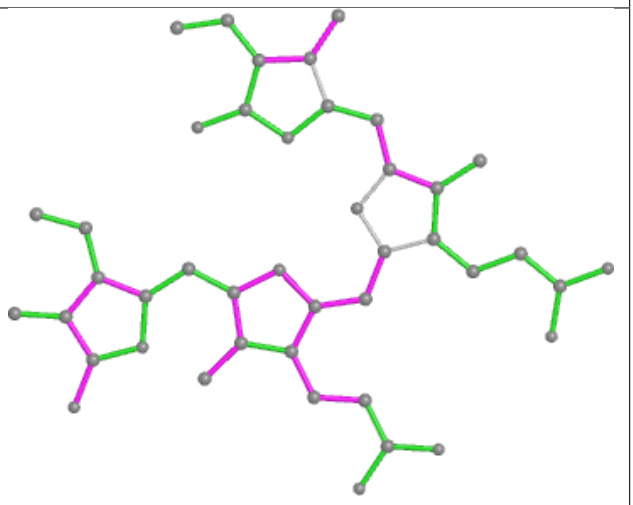
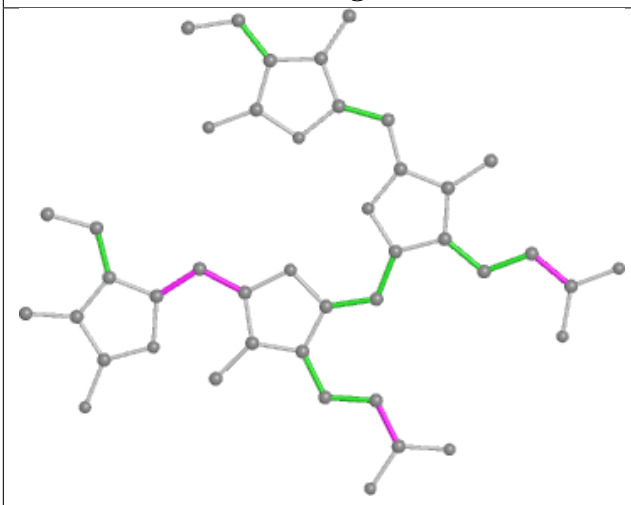


Bond angles



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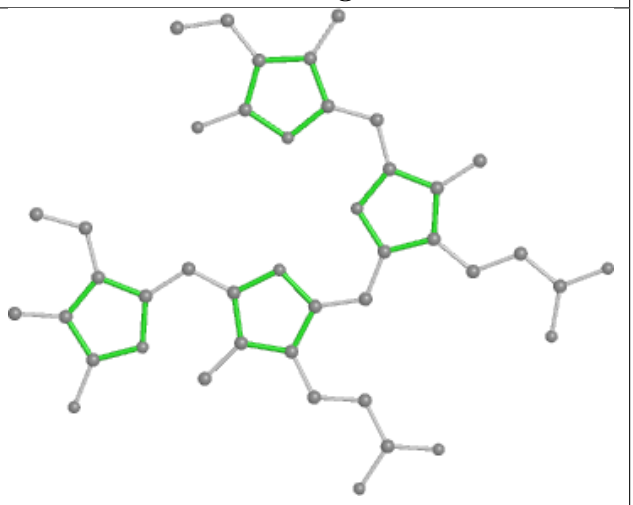
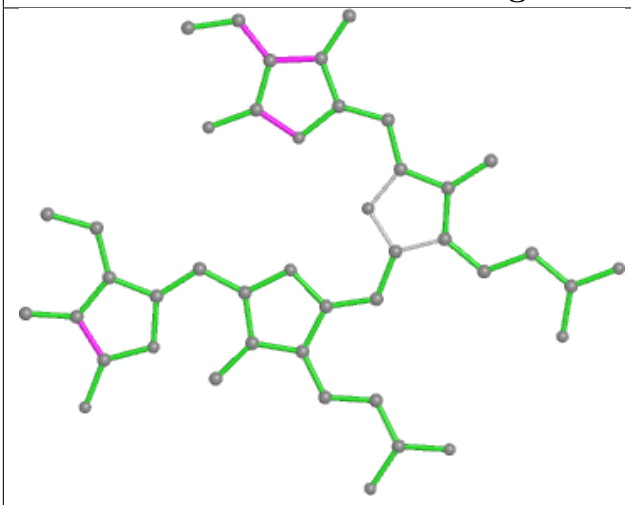
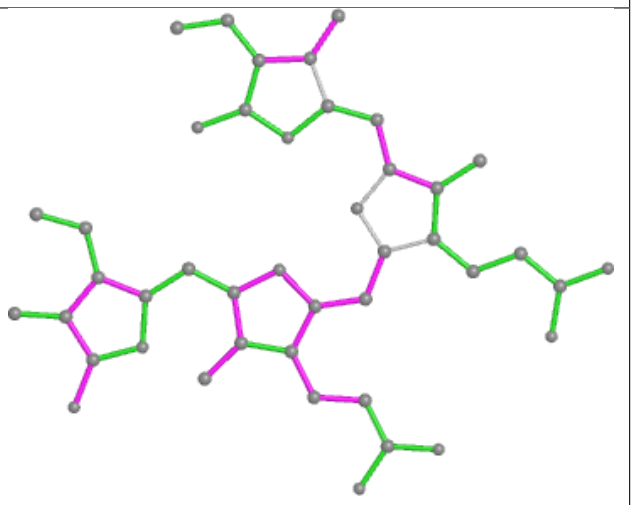


Rings

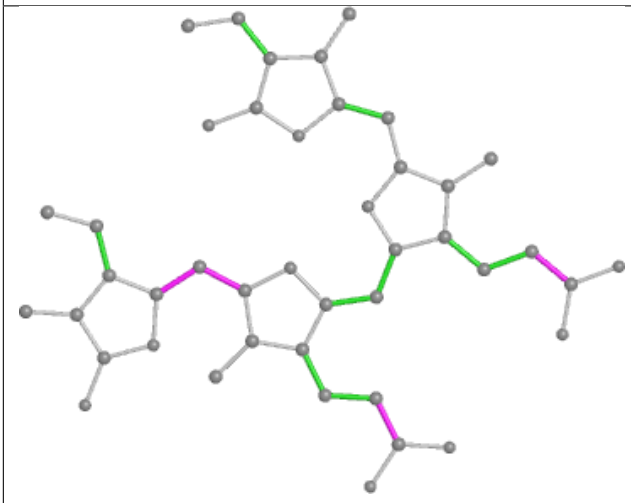
Ligand PEB Z9 1003



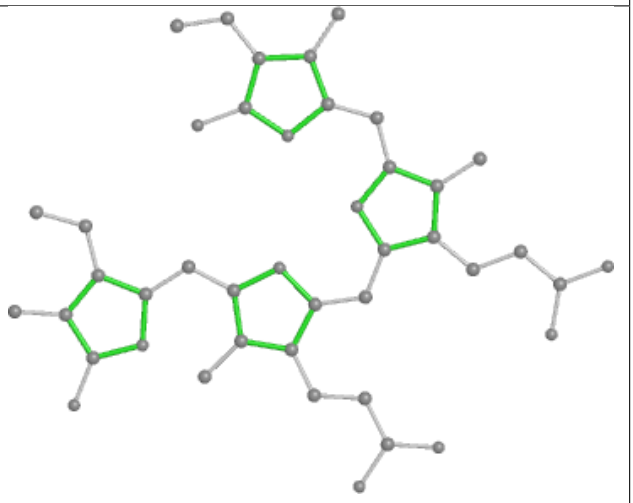
Bond lengths



Bond angles

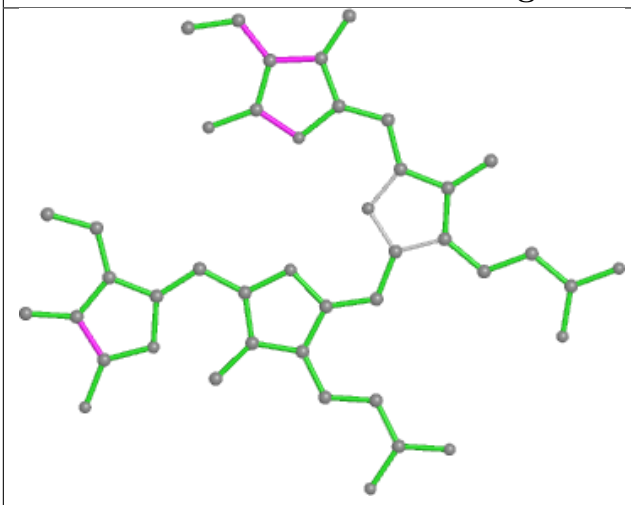


Torsions



Rings

Ligand PEB bb 201



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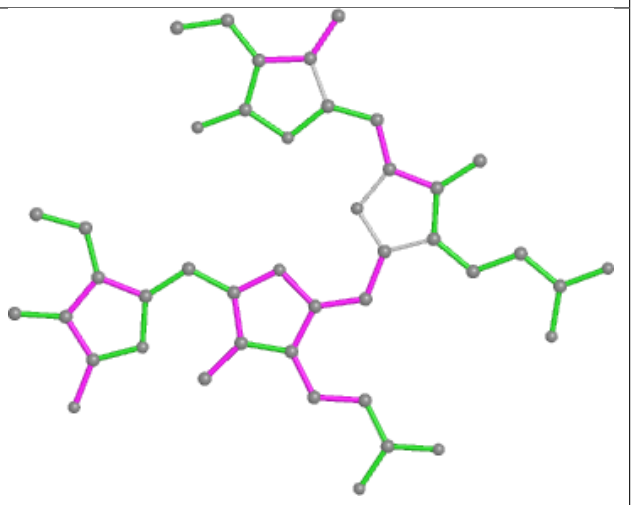

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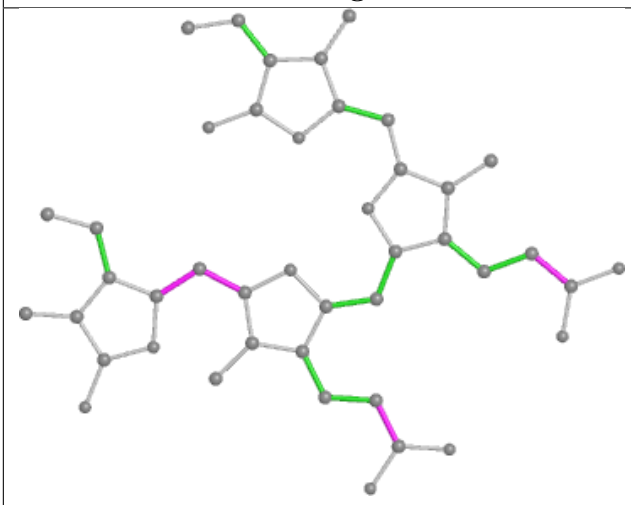

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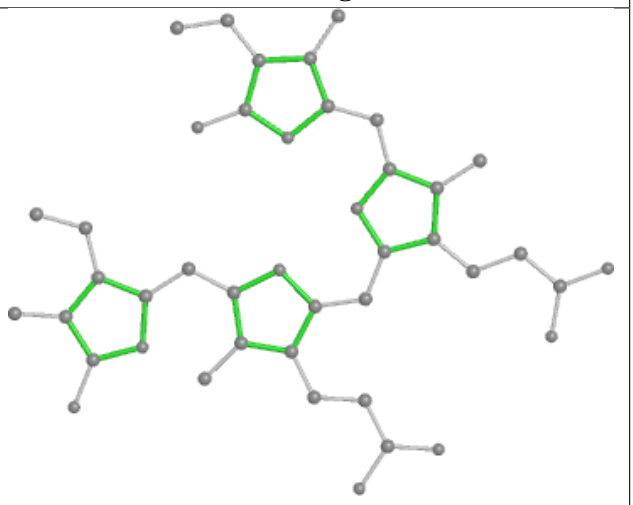
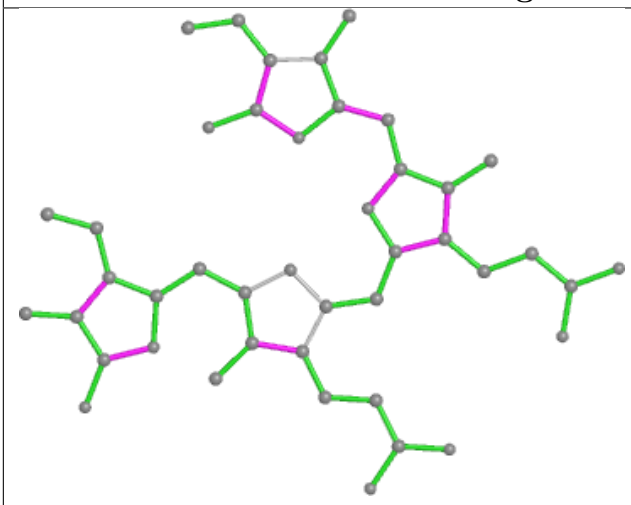


Rings

Ligand PUB cE 203



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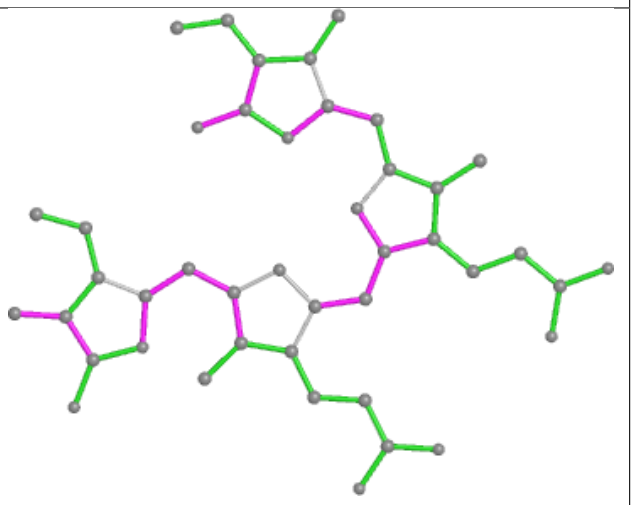

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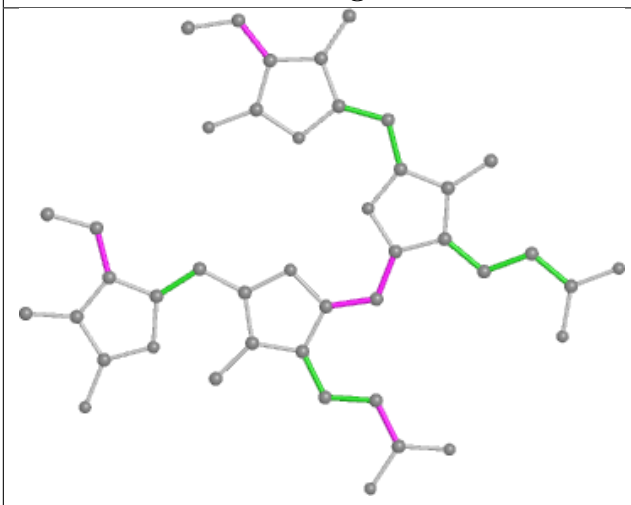

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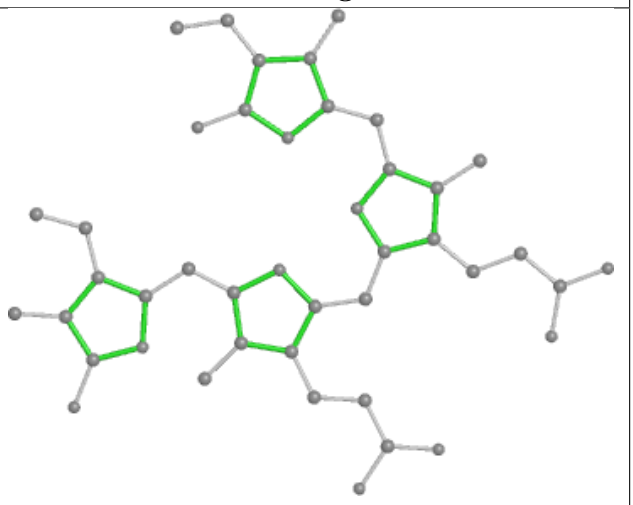

Rings

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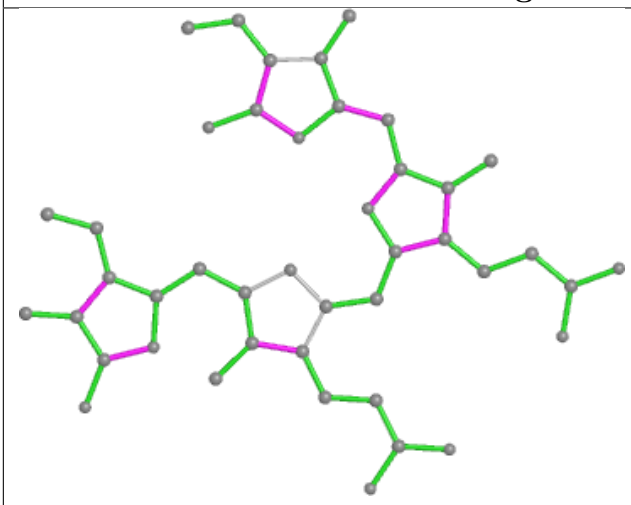

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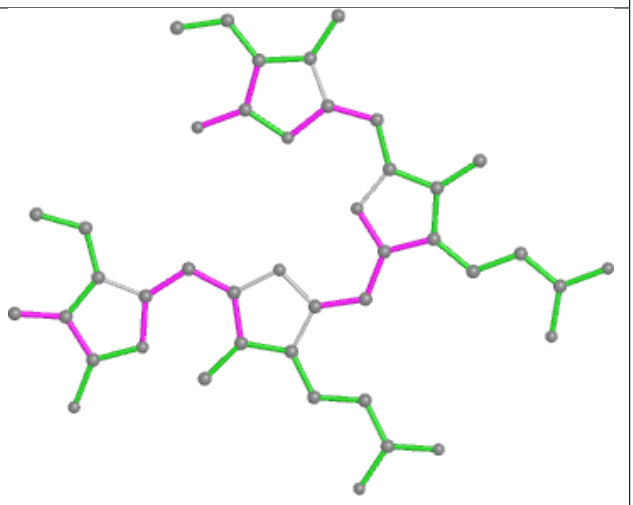

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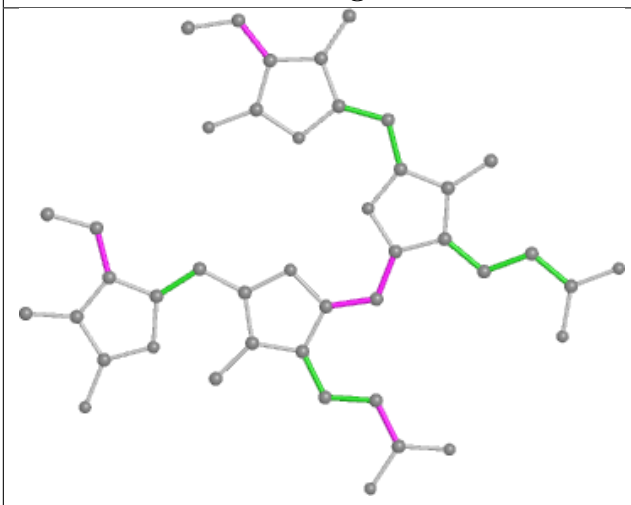

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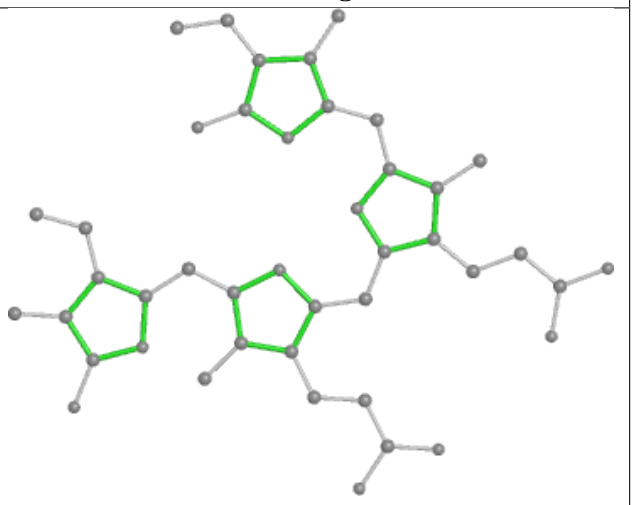
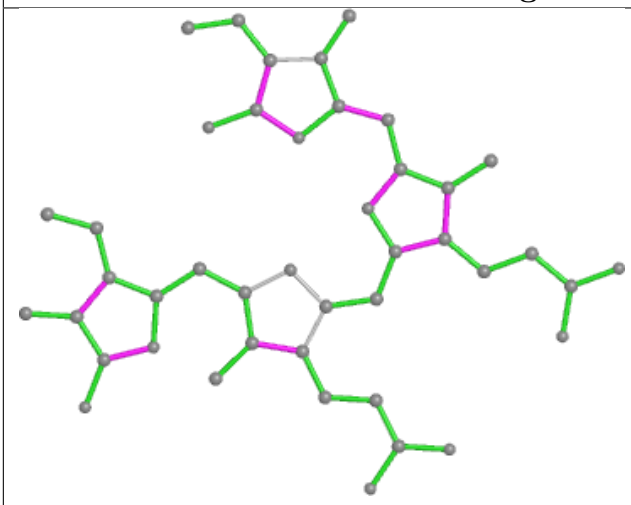


Rings

Ligand PUB ar 203



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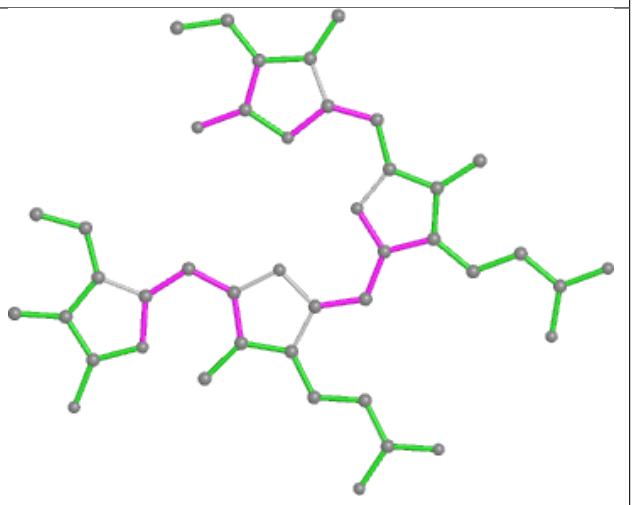

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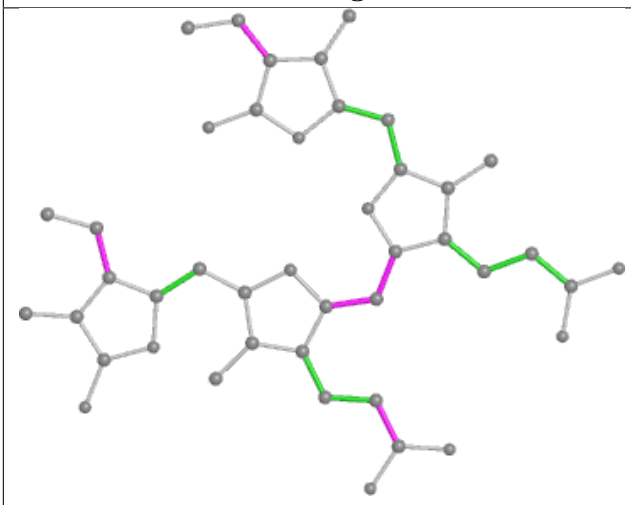

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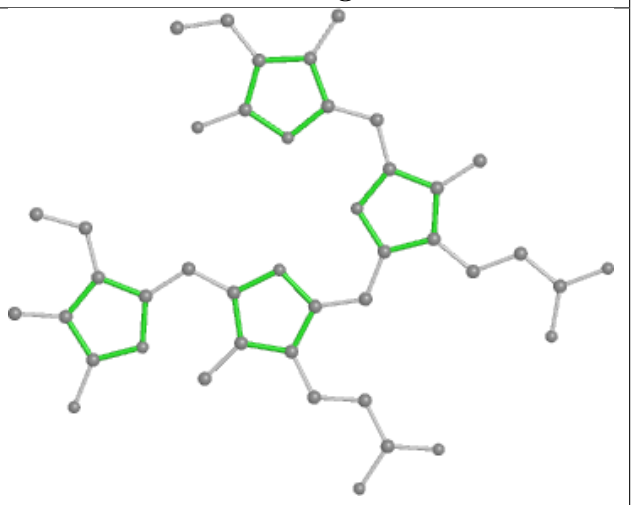
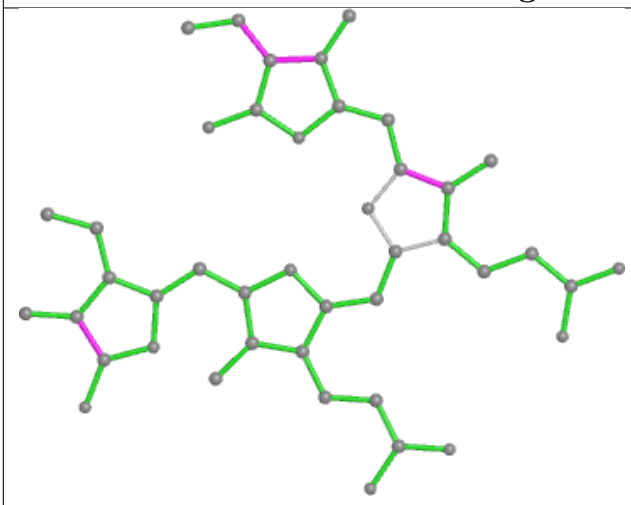


Rings

Ligand PEB cZ 202



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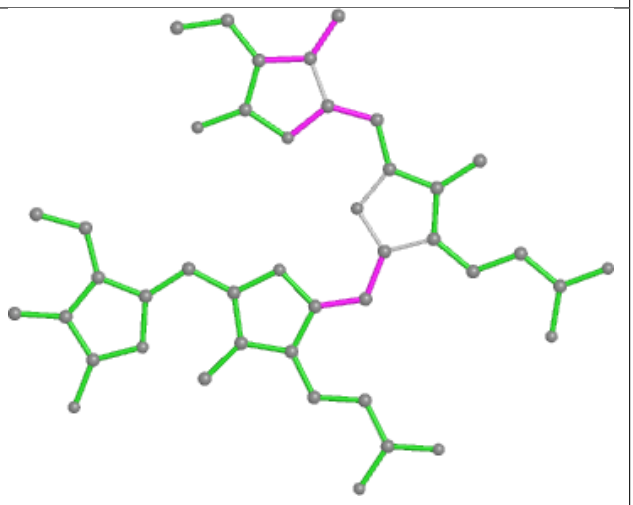

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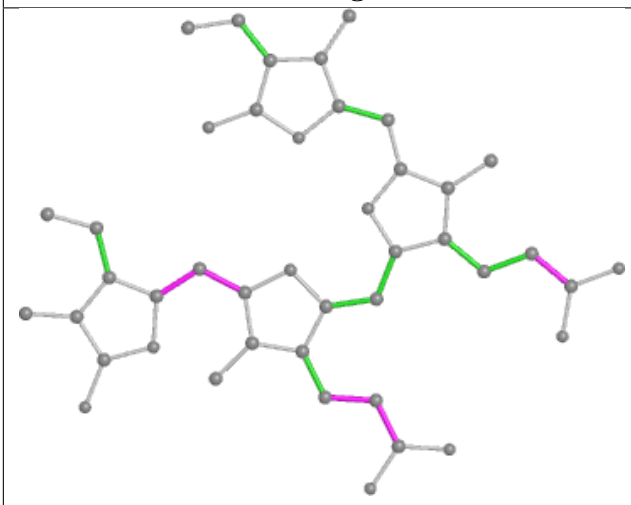

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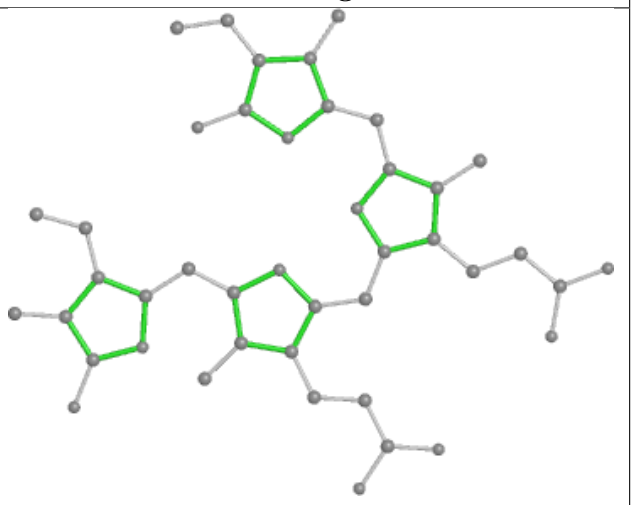

Rings

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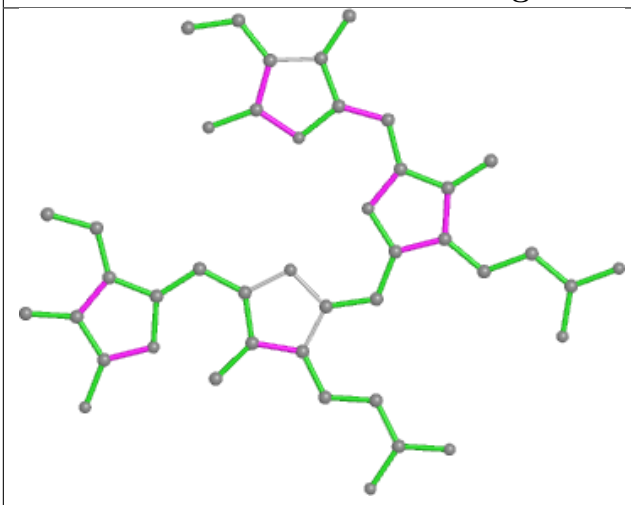

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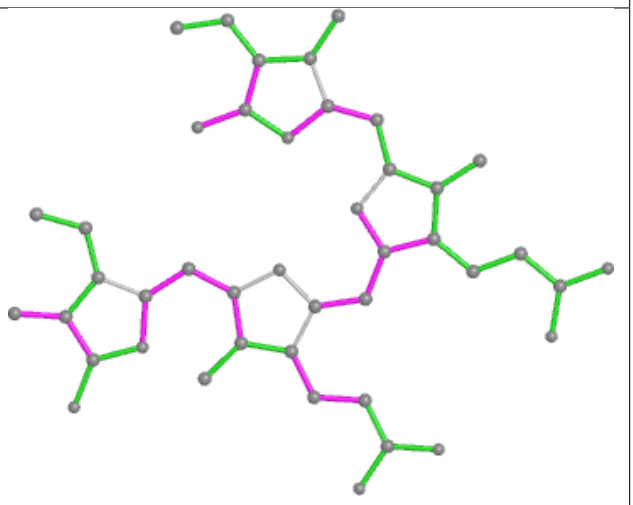

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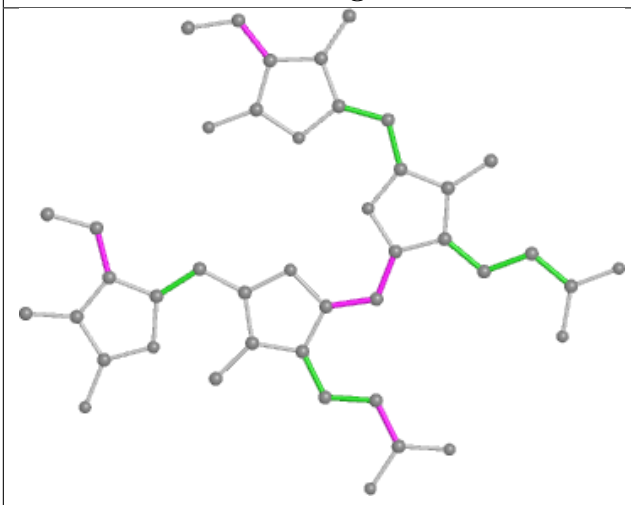

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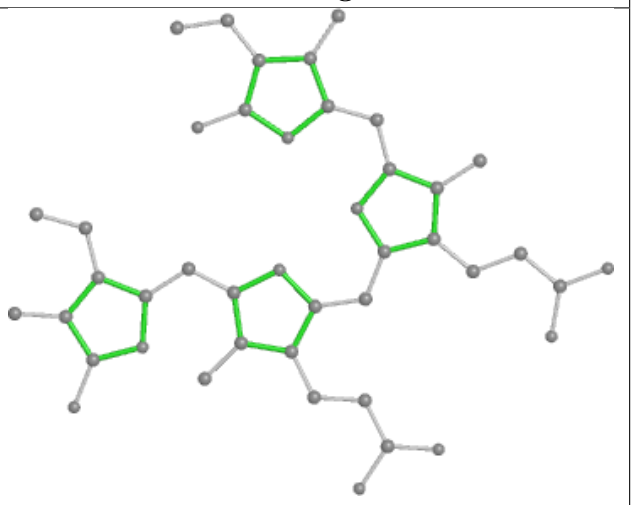
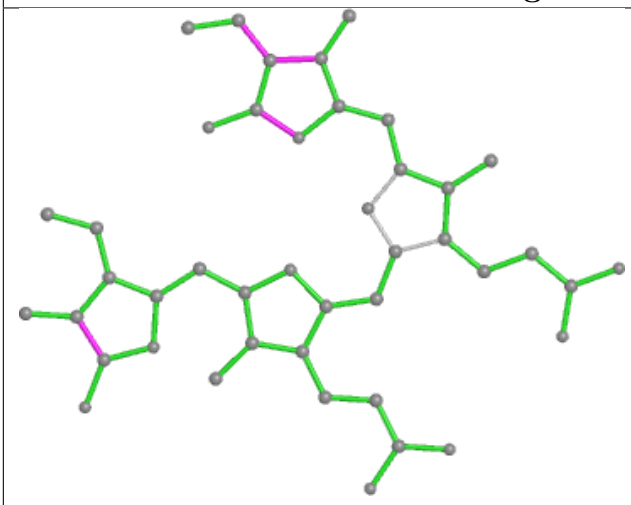


Rings

Ligand PEB i5 201



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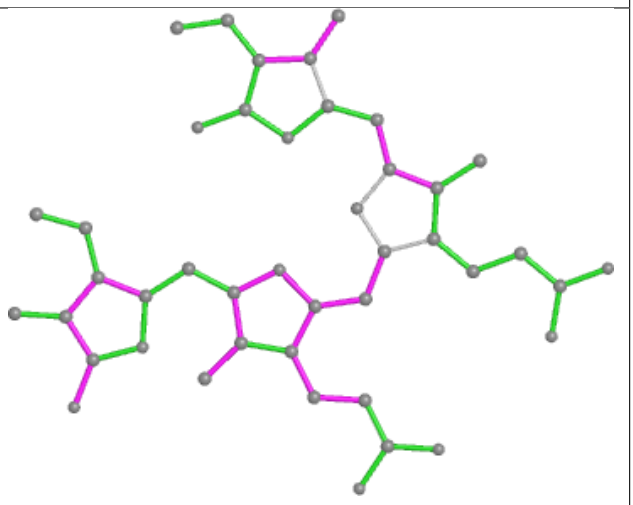

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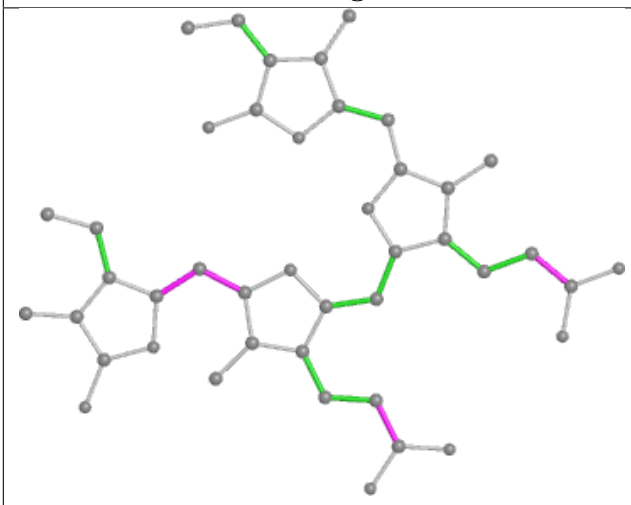

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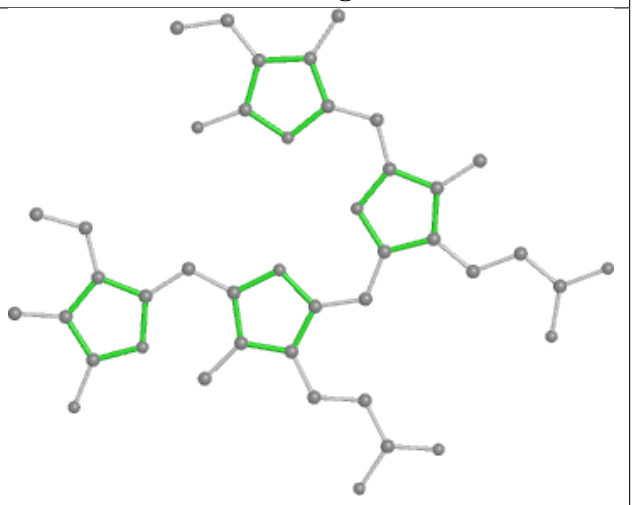
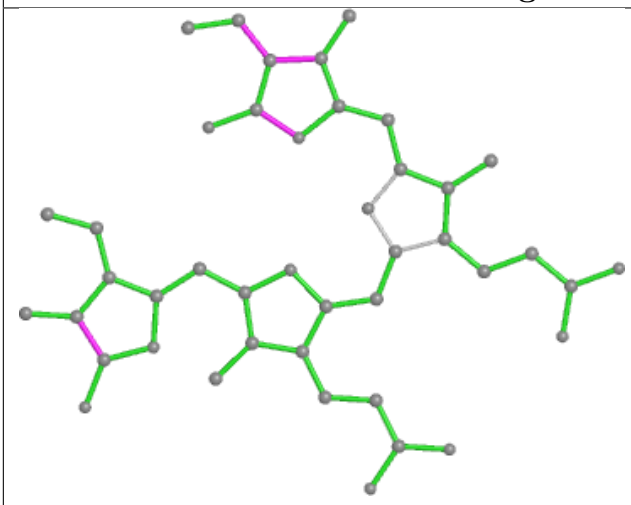


Rings

Ligand PEB p3 201



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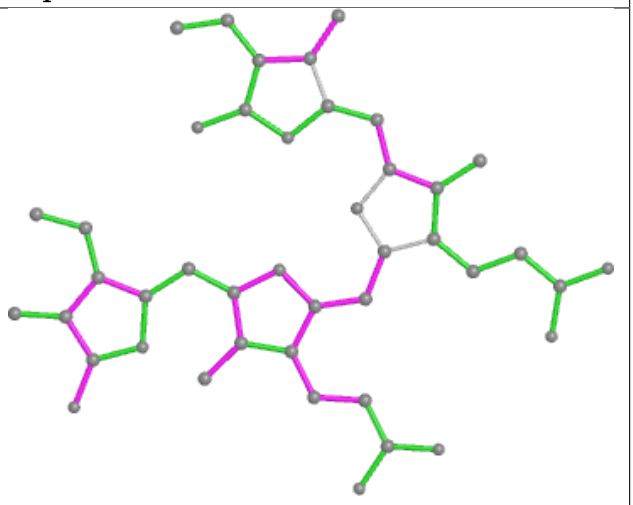

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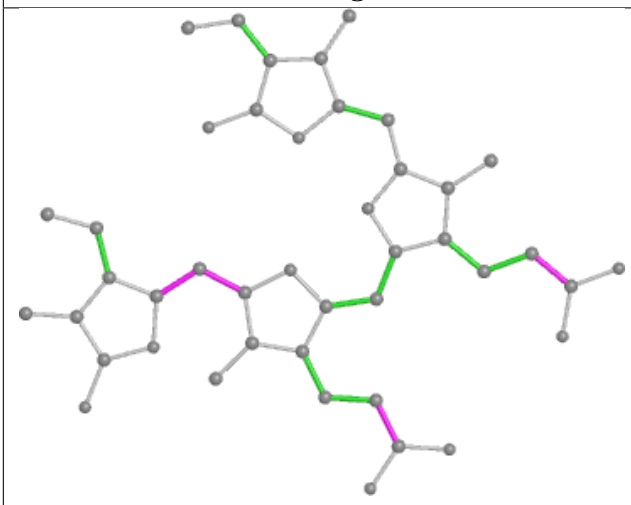

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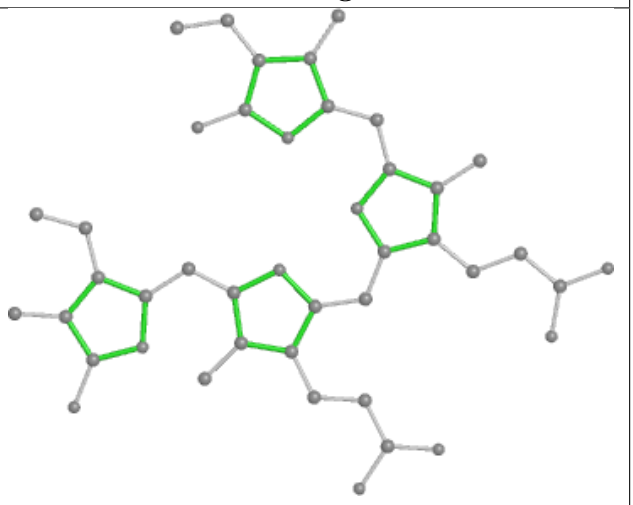

Rings

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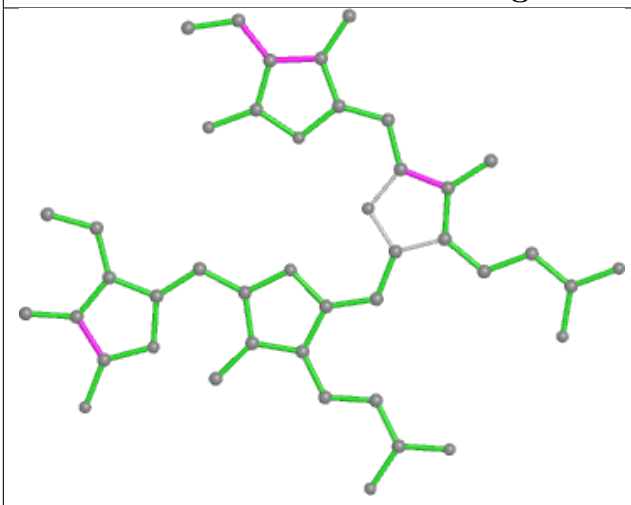

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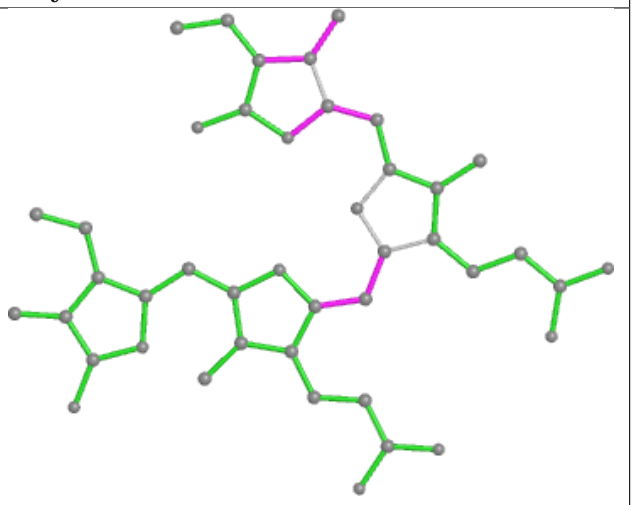

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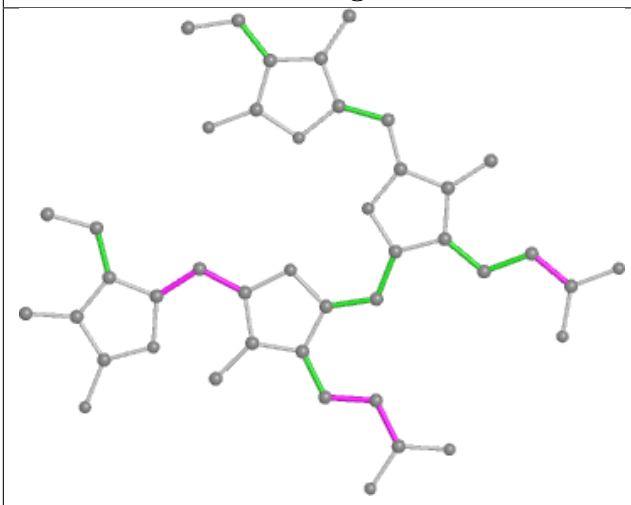

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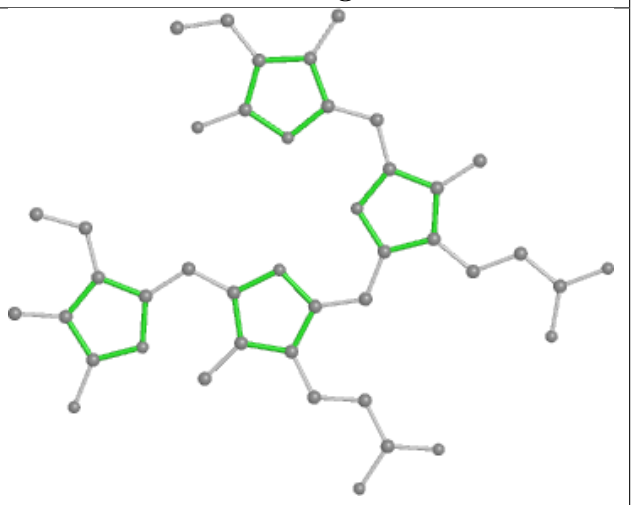
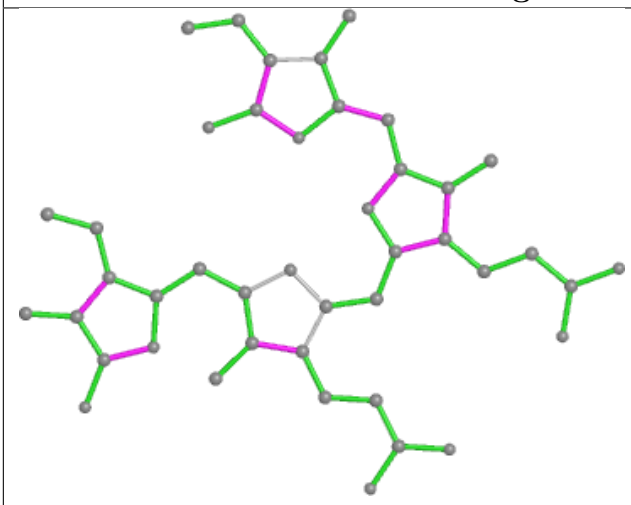


Rings

Ligand PUB H9 203



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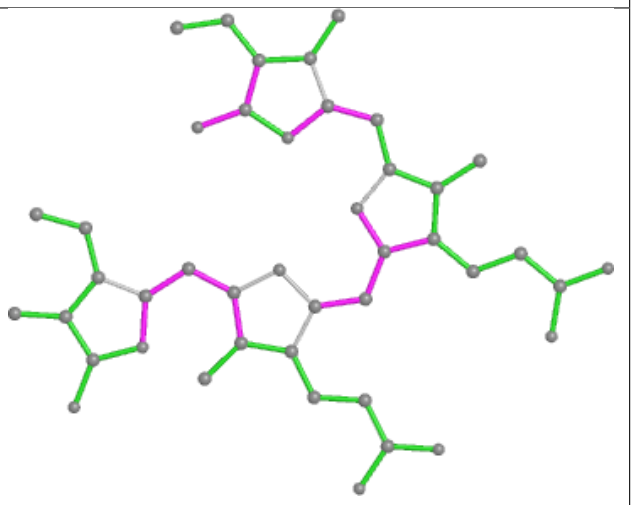

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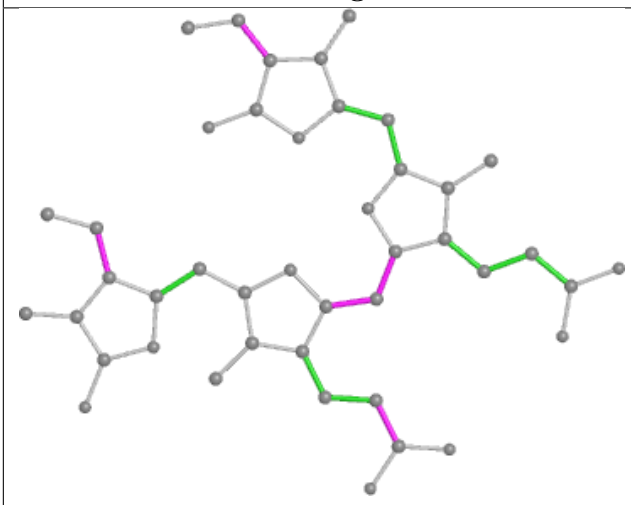

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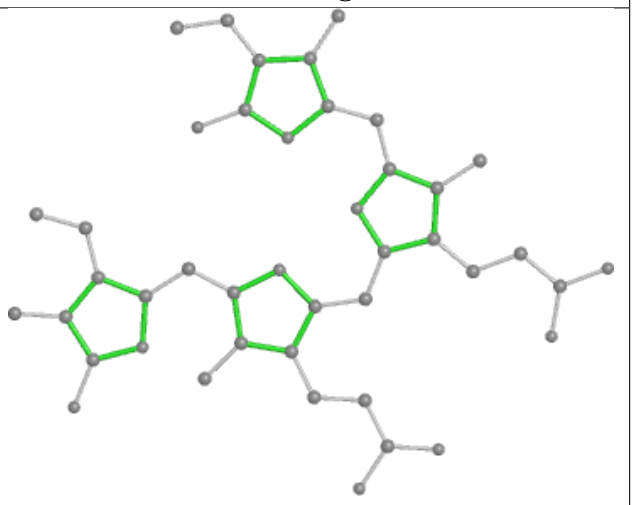

Rings

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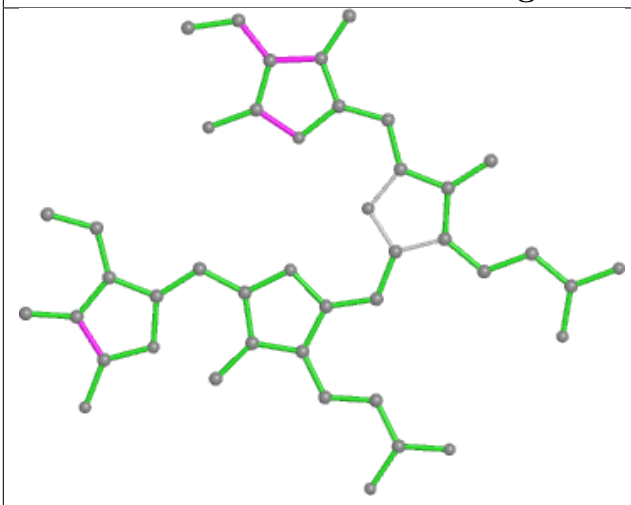

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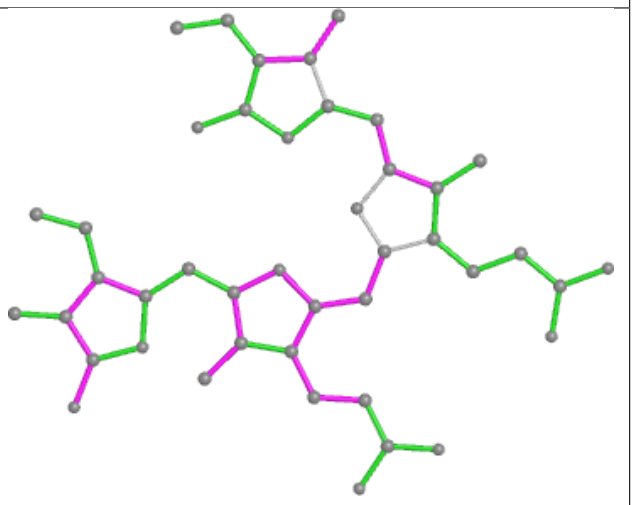

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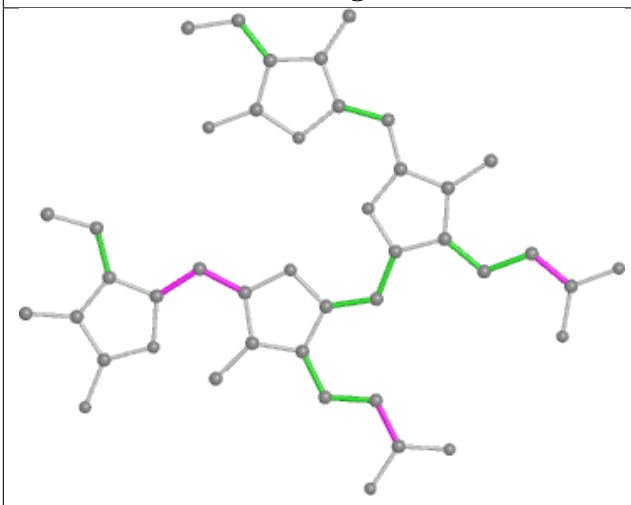

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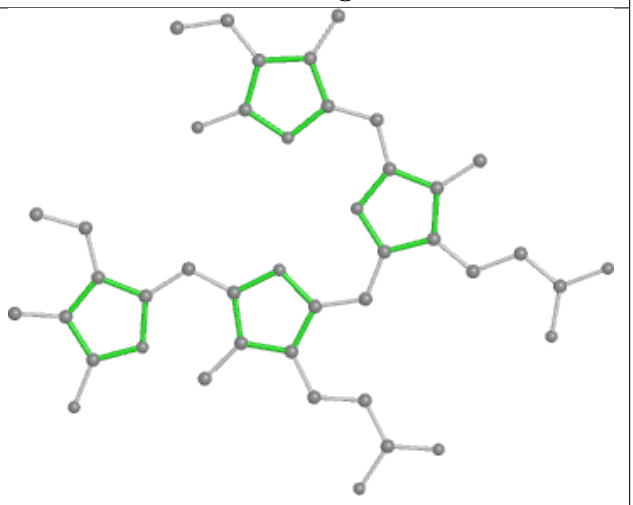
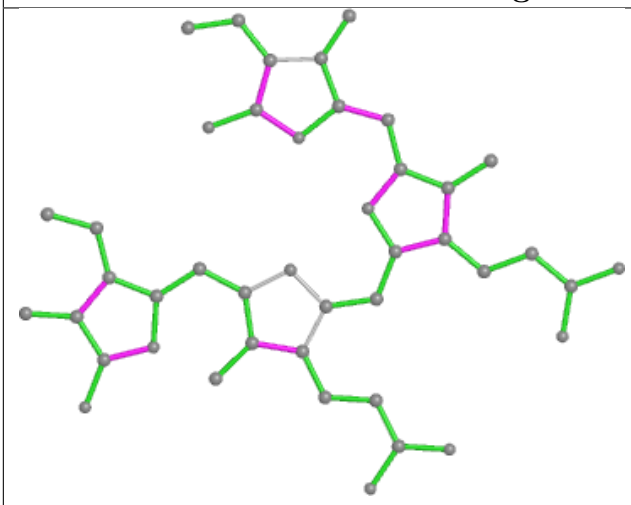


Rings

Ligand PUB N5 203



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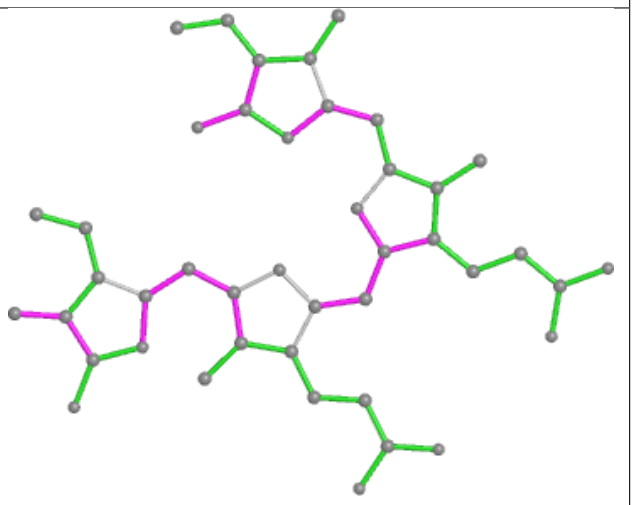
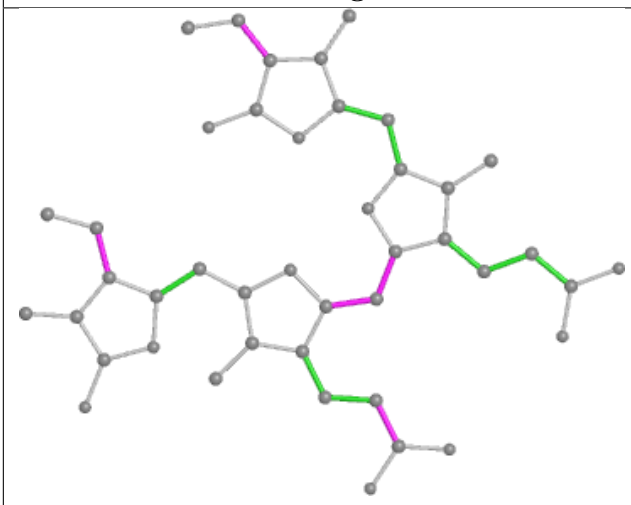


Bond angles



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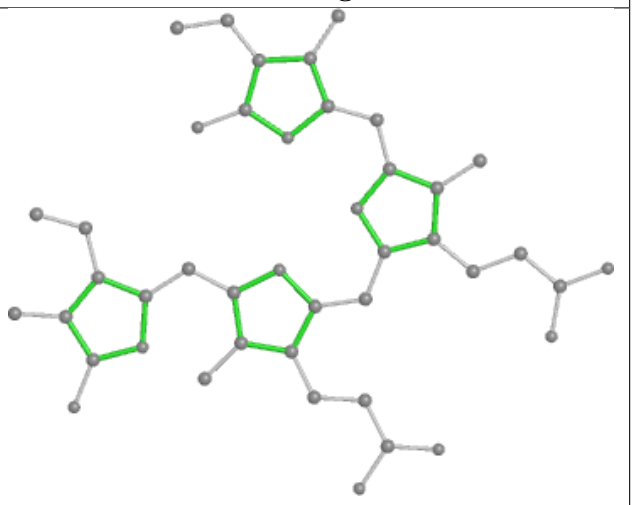
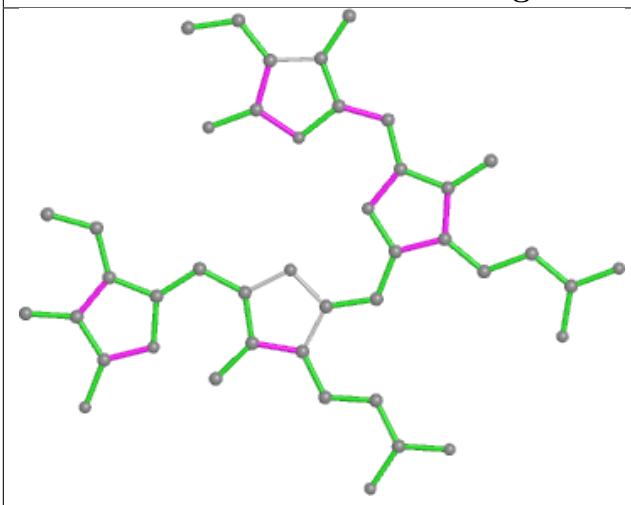


Rings

Ligand PUB H7 203



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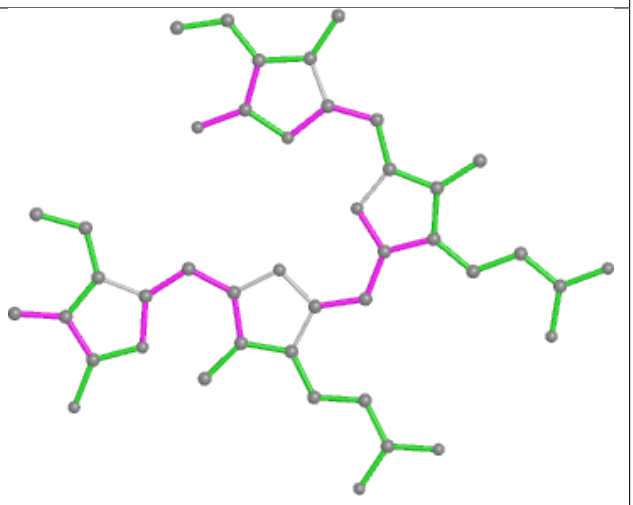
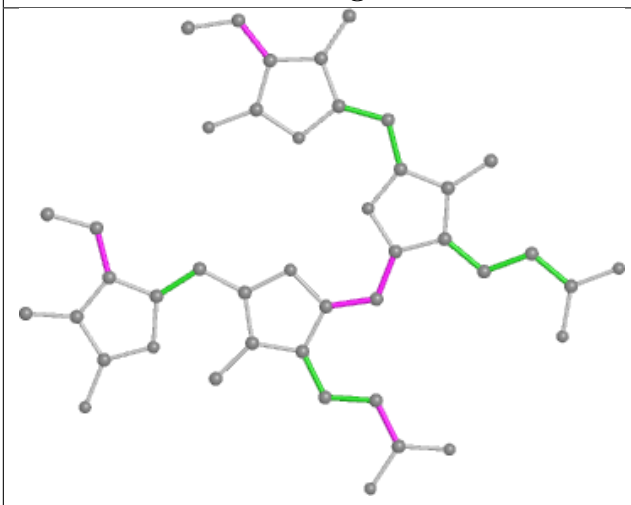
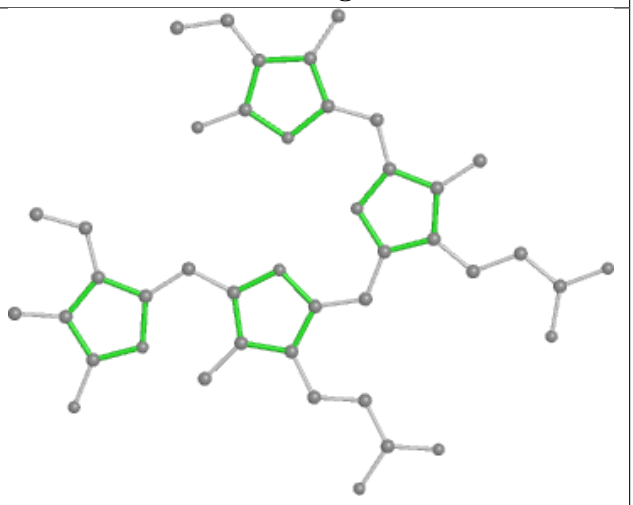


Bond angles

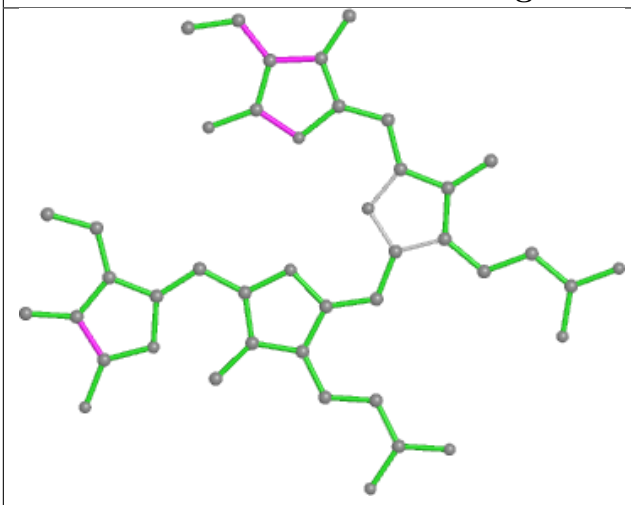


Torsions



Rings

Ligand PEB R4 202



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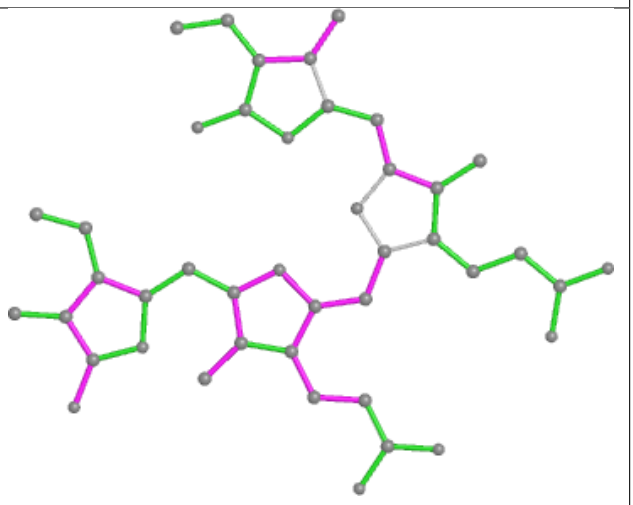

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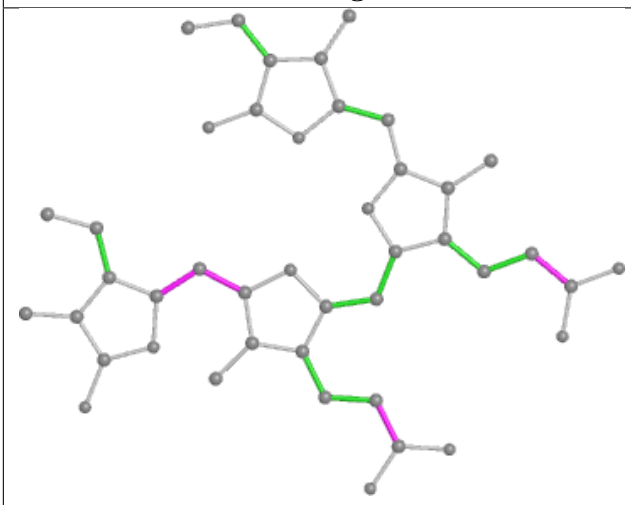

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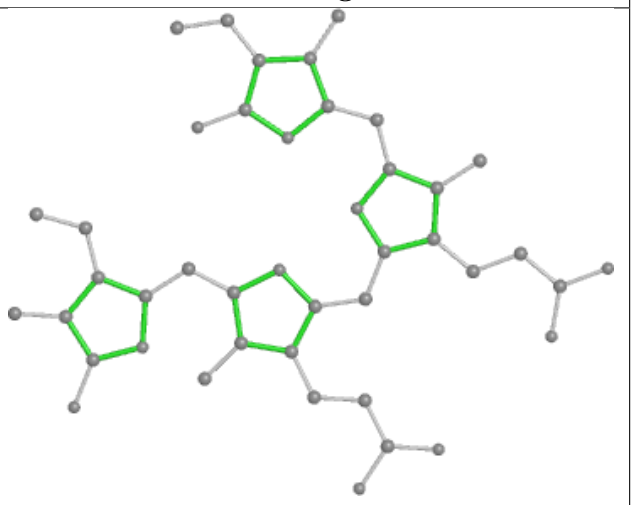
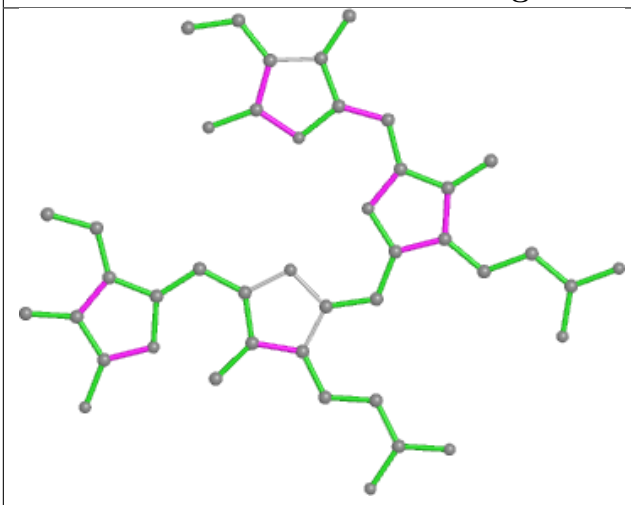


Rings

Ligand PUB dN 203



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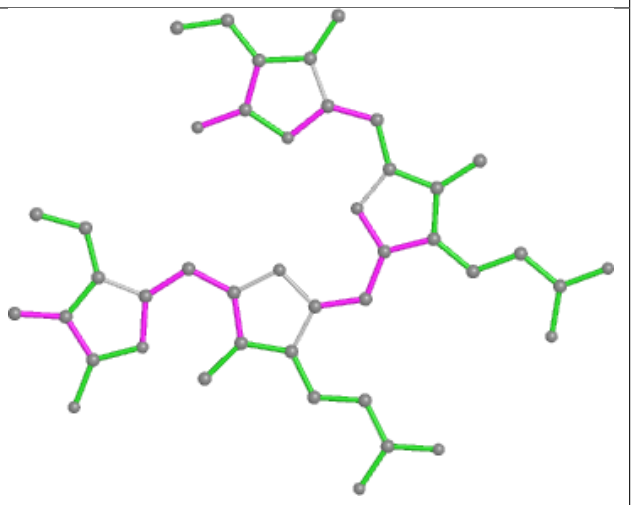

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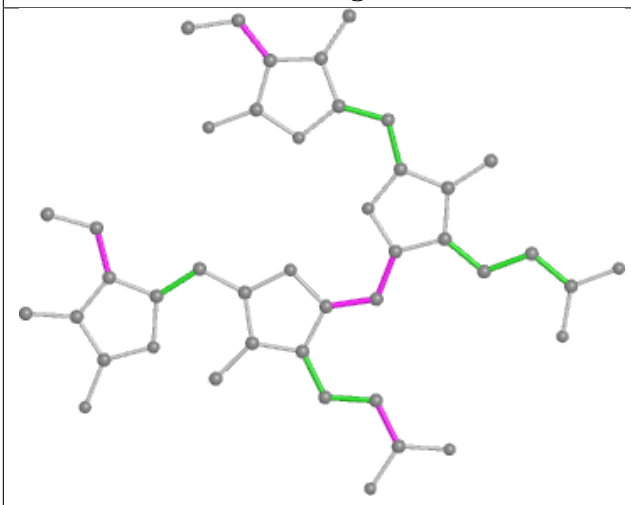

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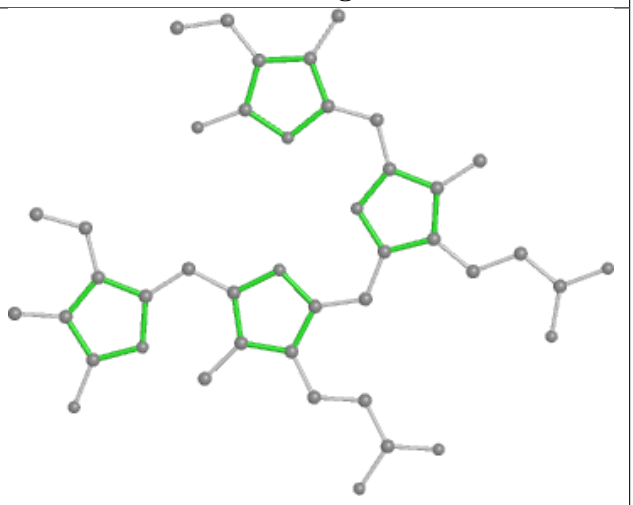
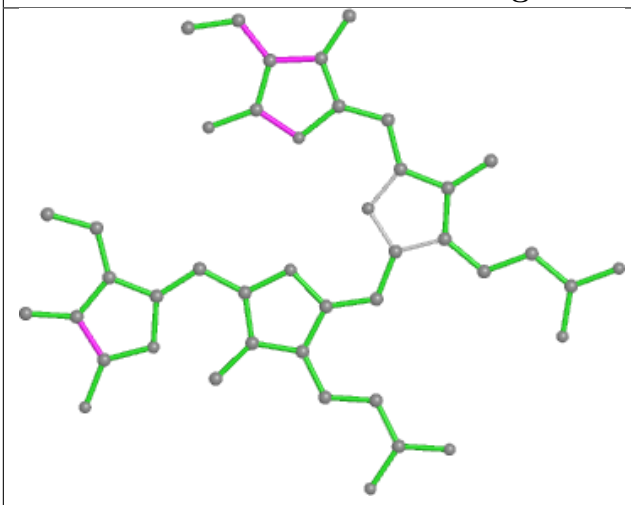


Rings

Ligand PEB M5 201



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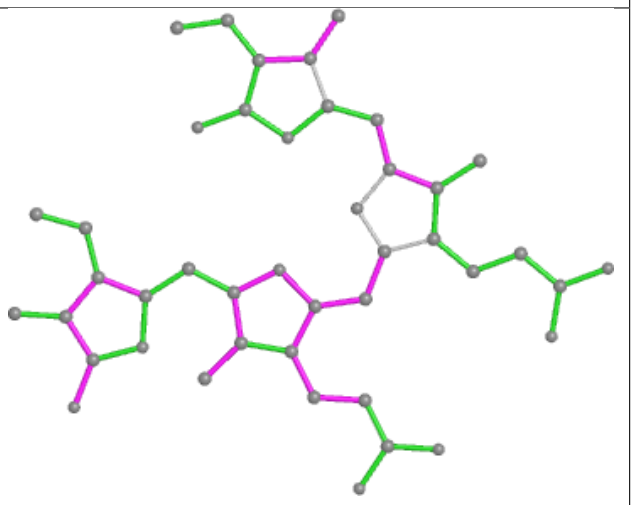

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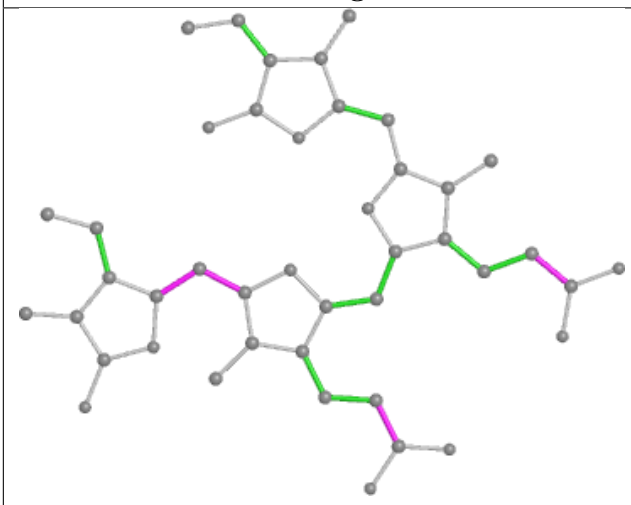

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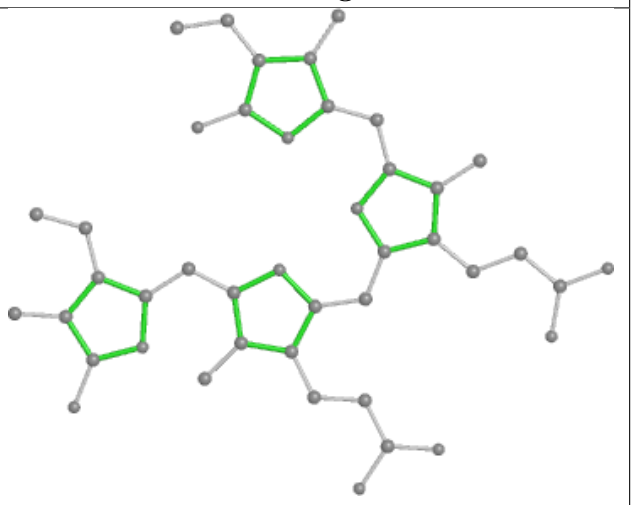
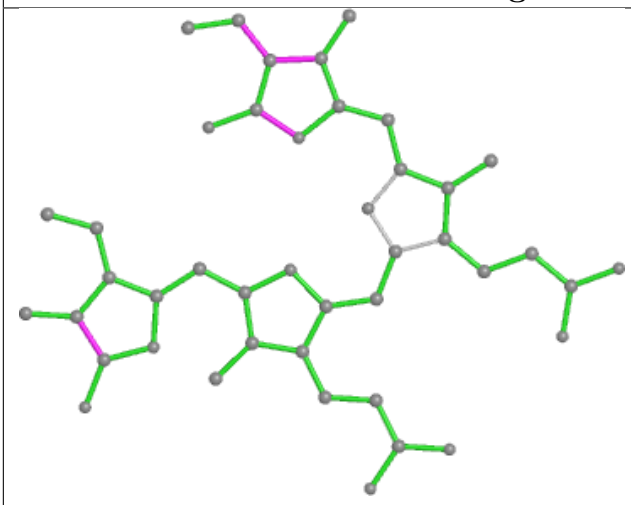


Rings

Ligand PEB Z9 1001



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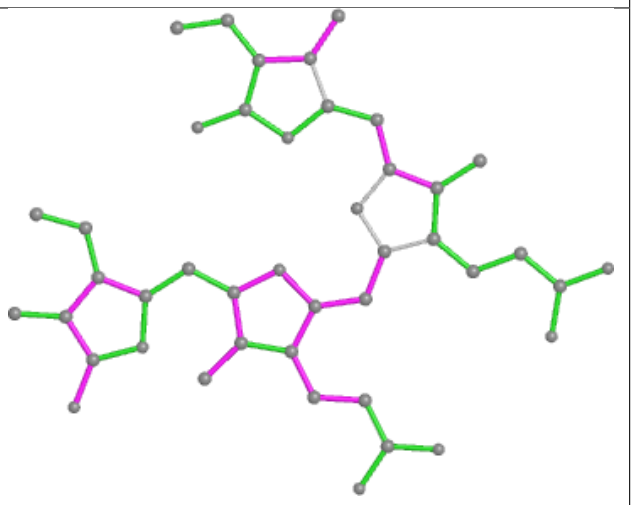

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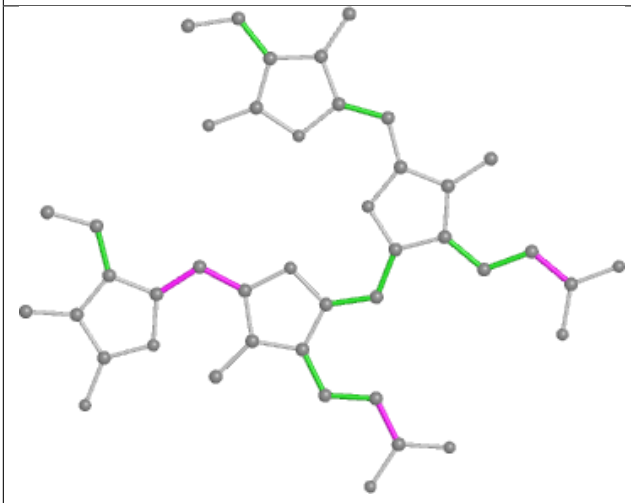

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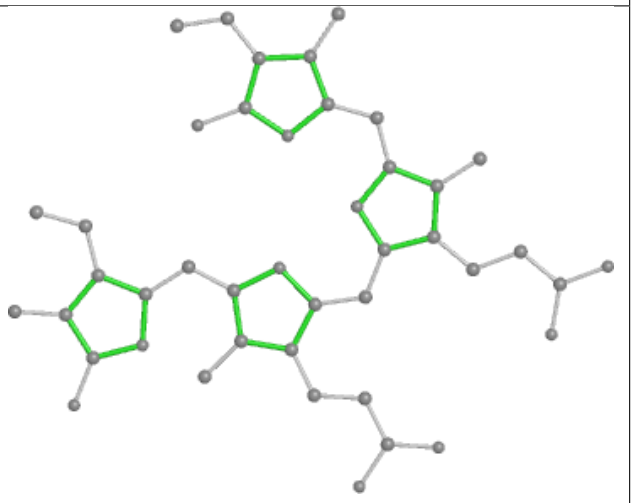
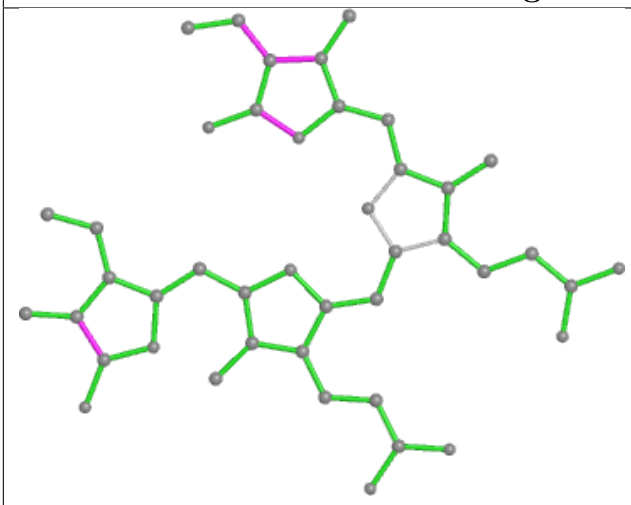


Rings

Ligand PEB fo 201



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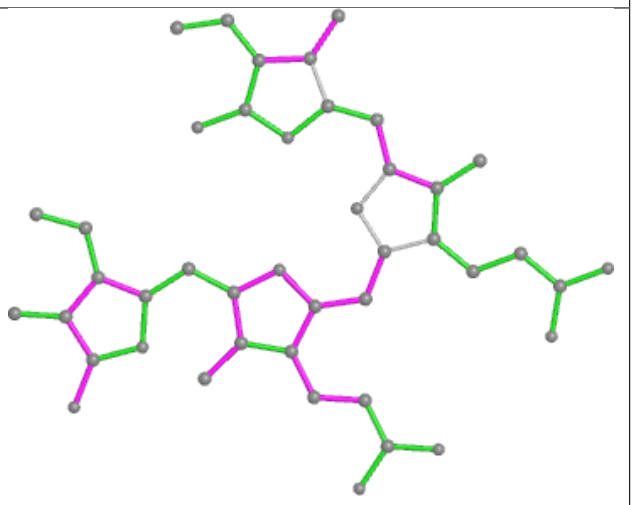

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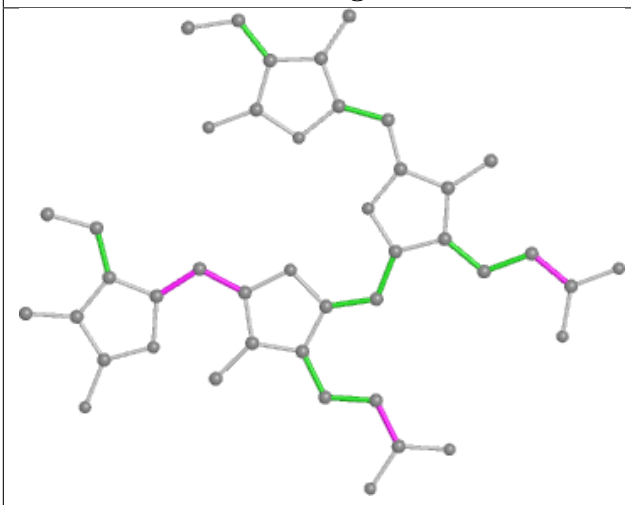

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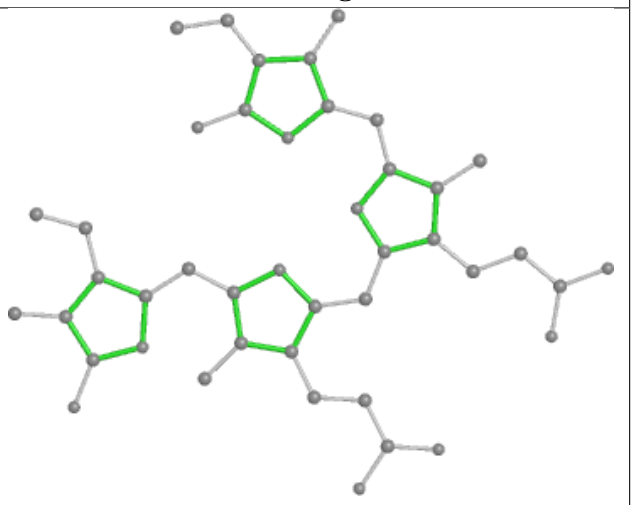

Rings

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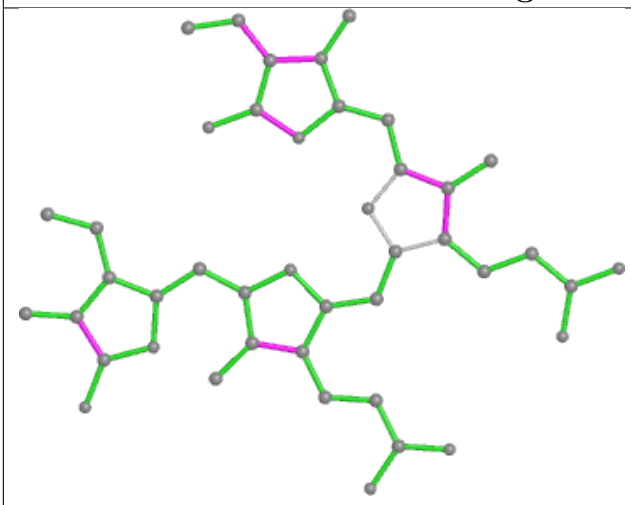

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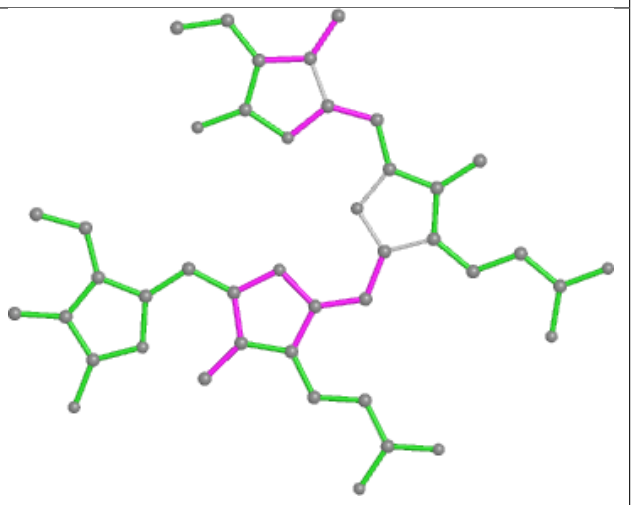

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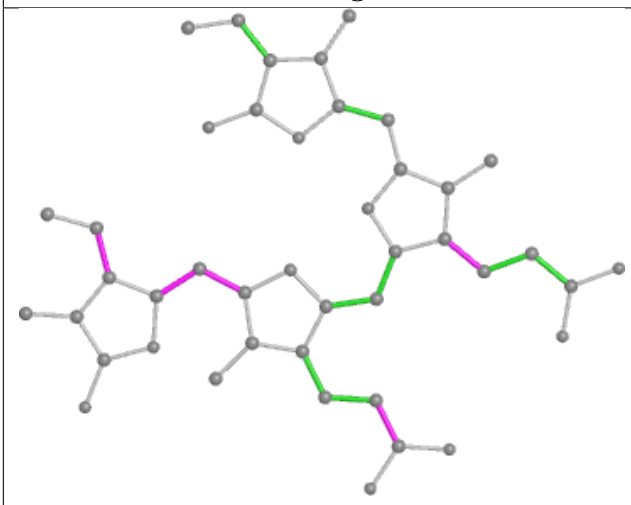

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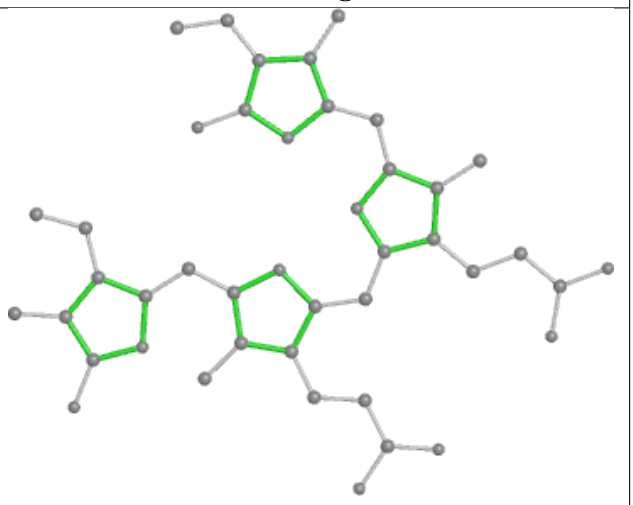
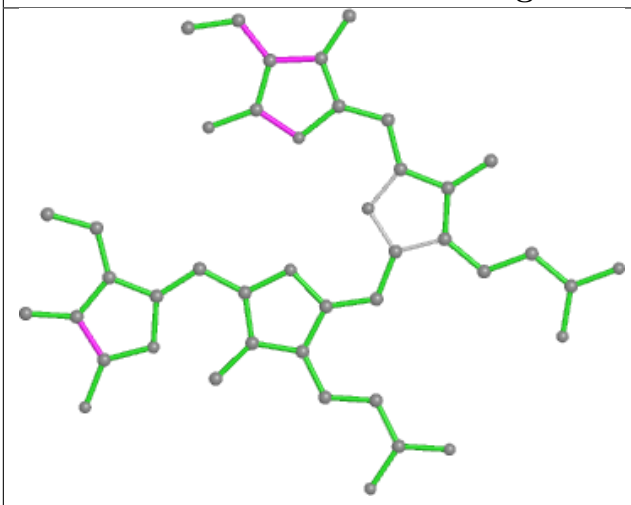


Rings

Ligand PEB B6 201



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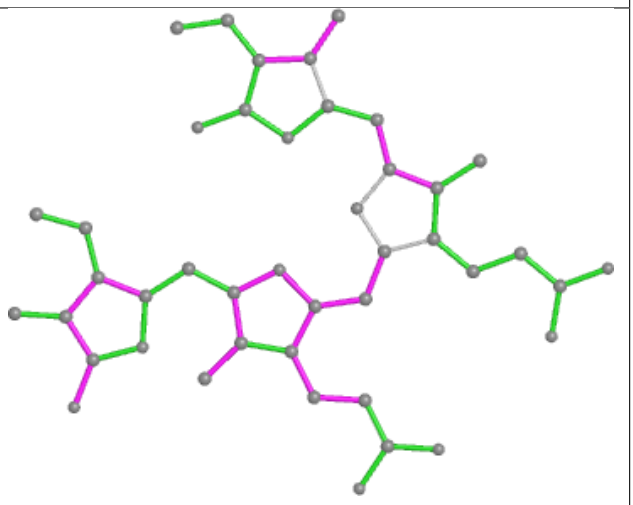

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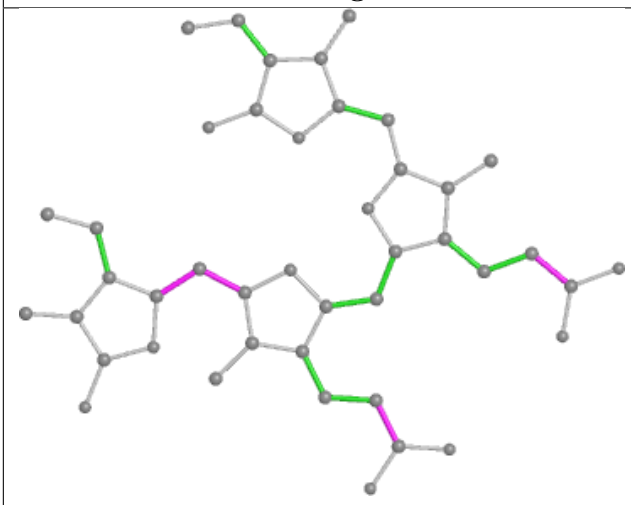

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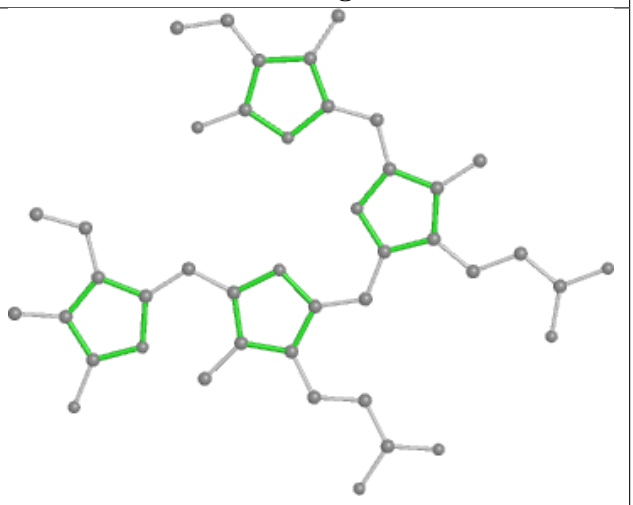
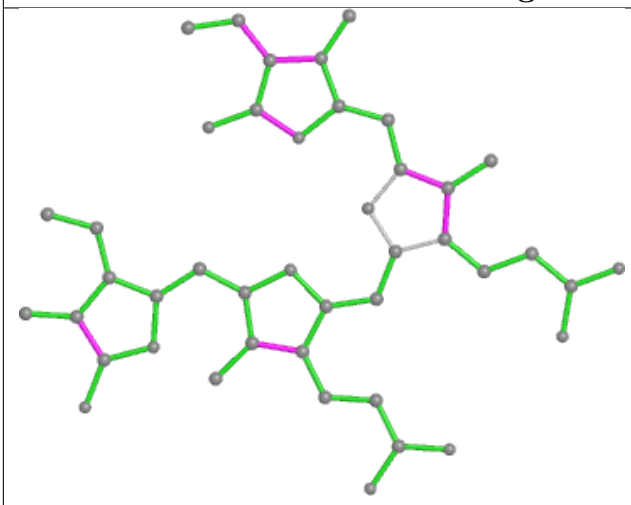


Rings

Ligand PEB Z3 202



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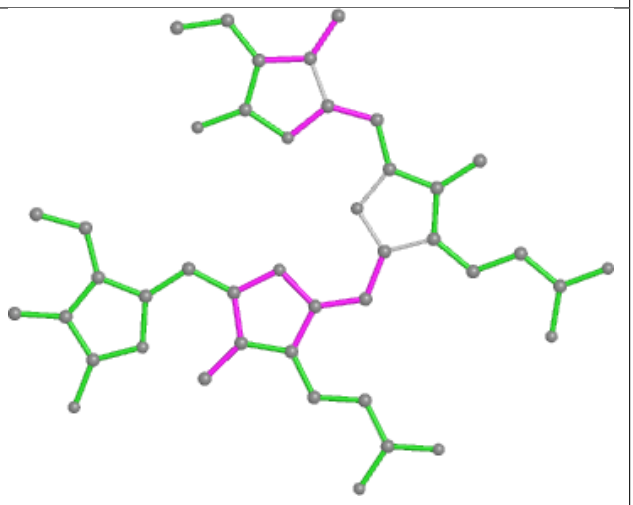

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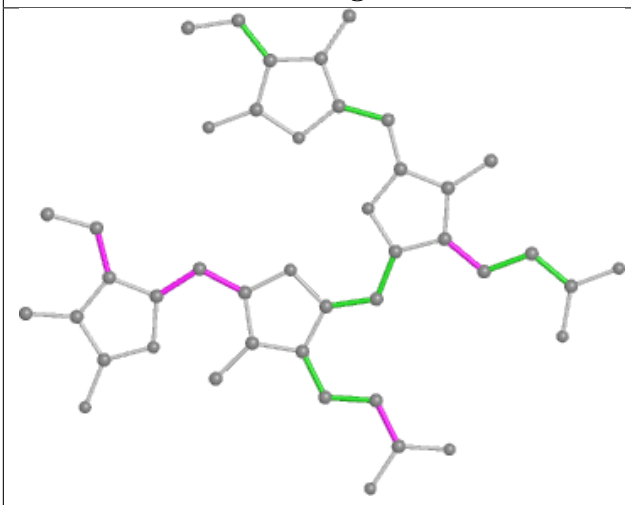

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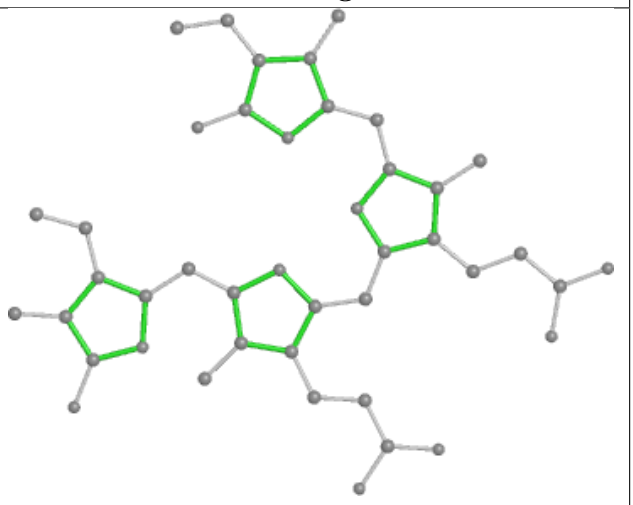
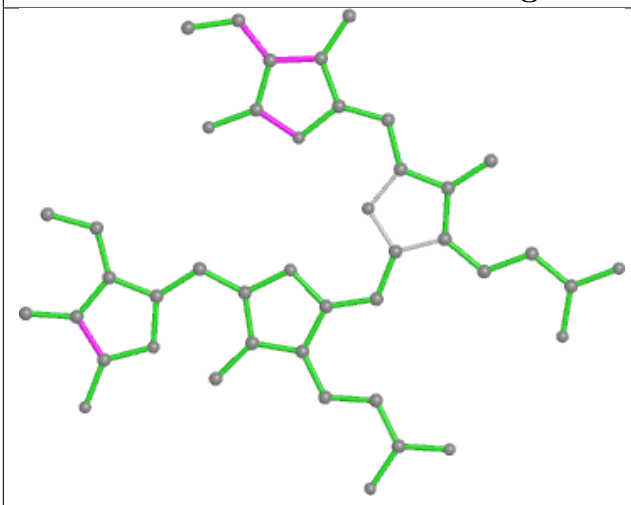


Rings

Ligand PEB z2 202



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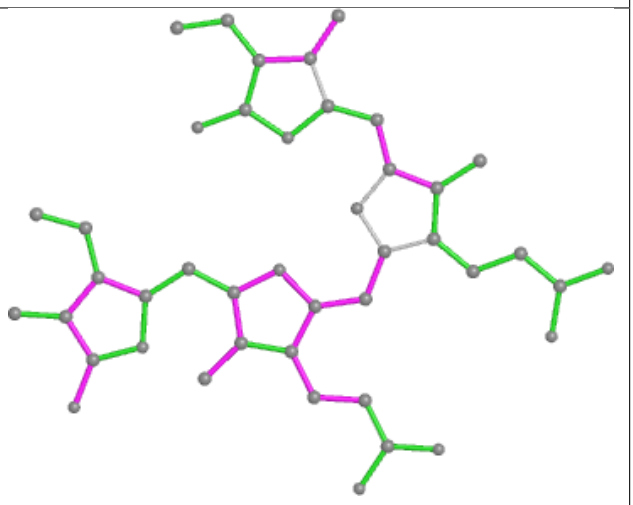

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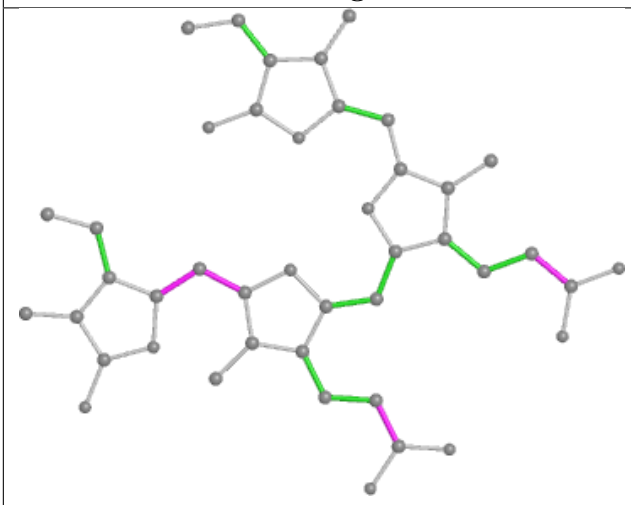

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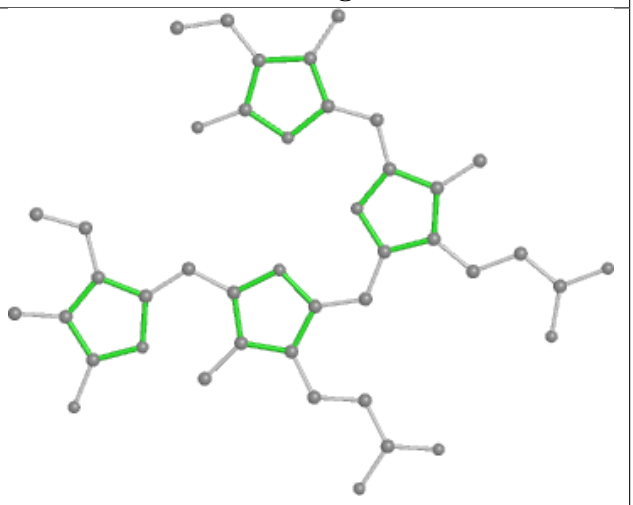
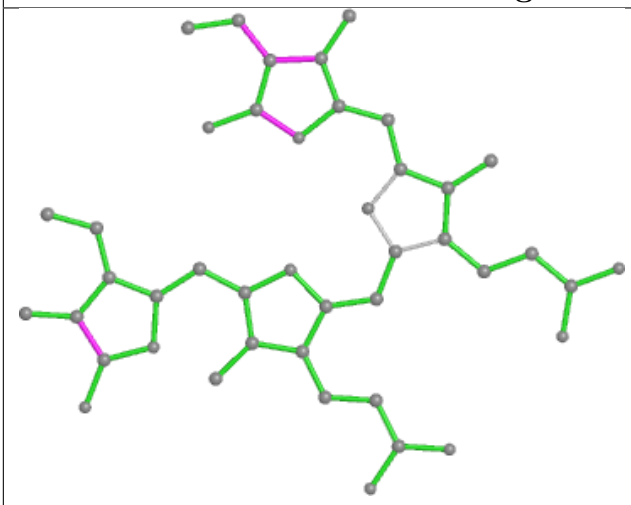


Rings

Ligand PEB aA 201



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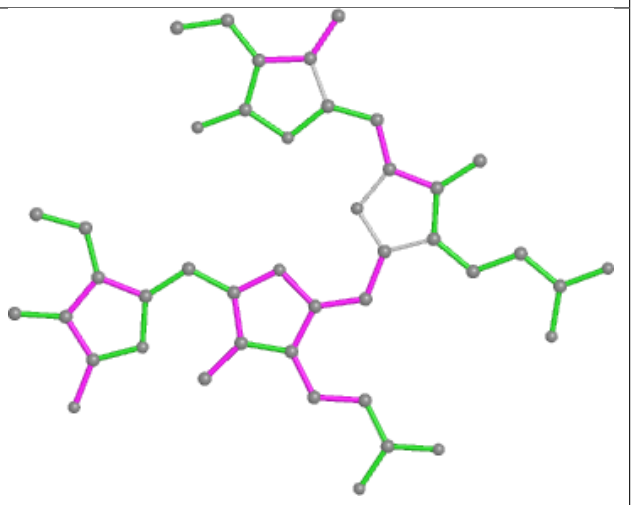

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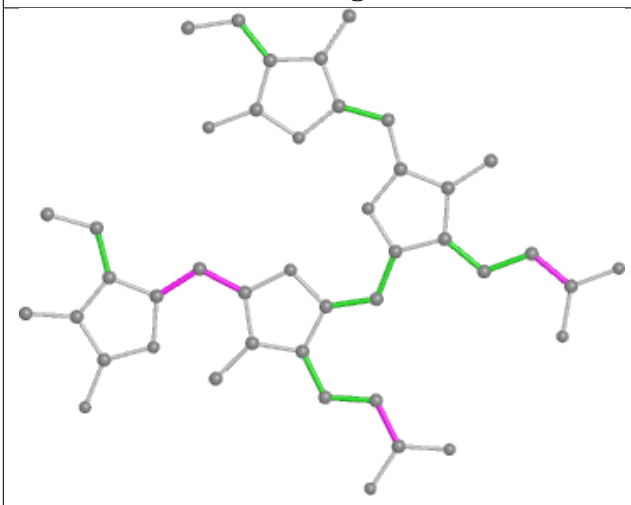

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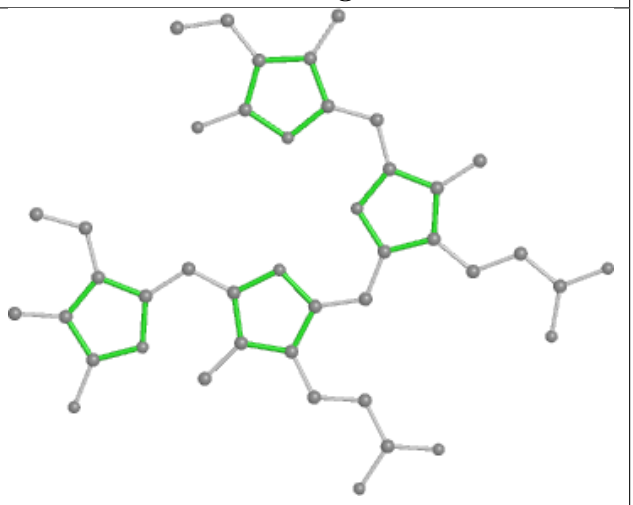

Rings

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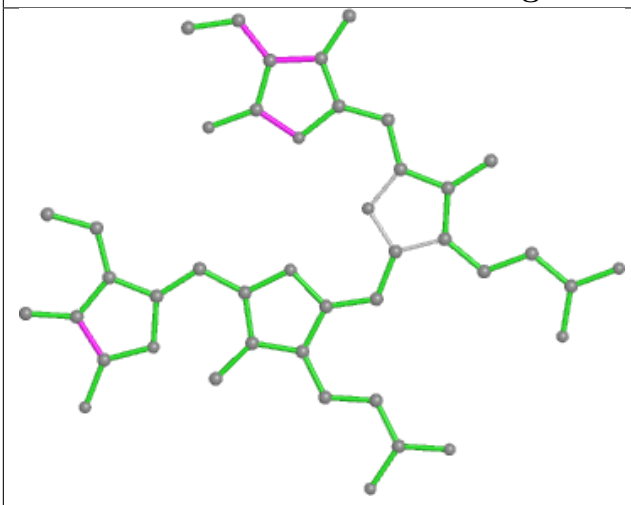

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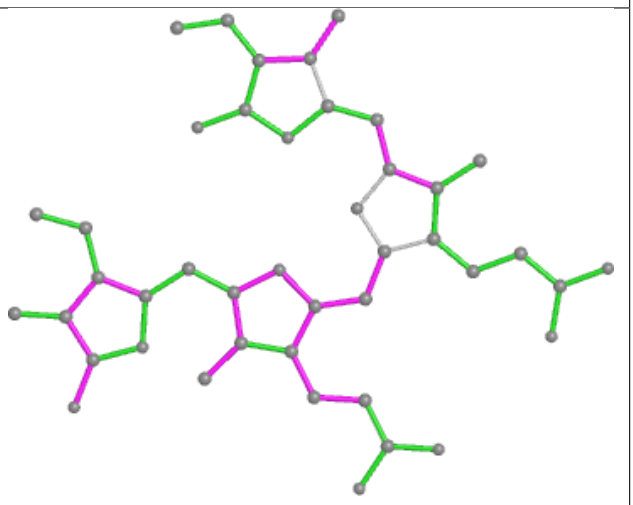

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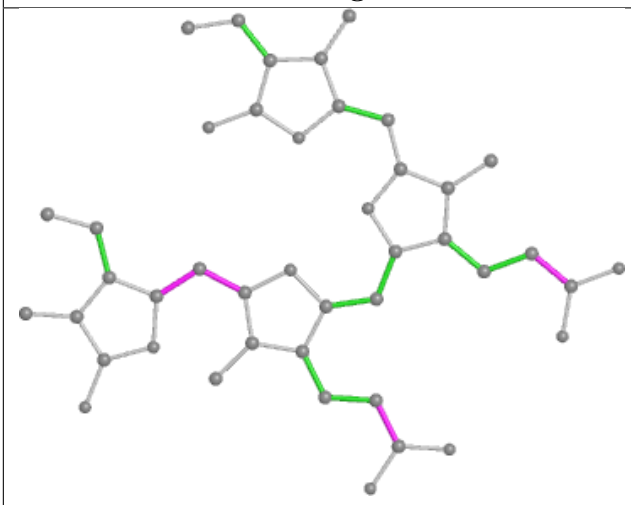

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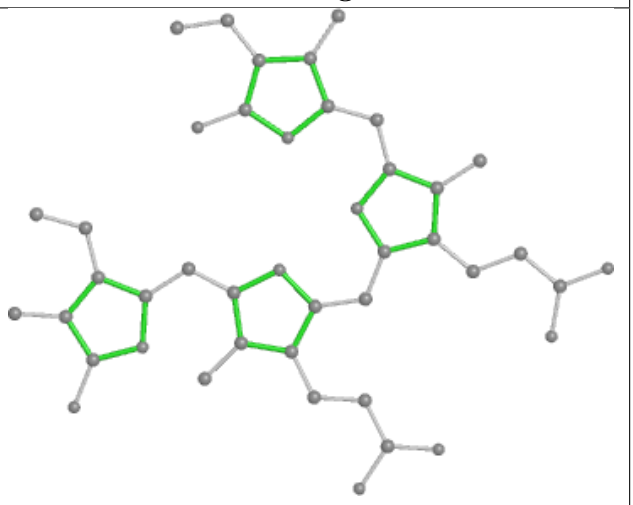
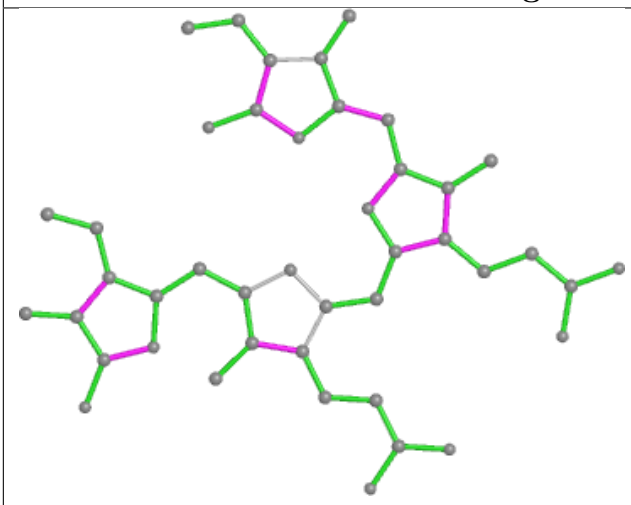


Rings

Ligand PUB ei 203



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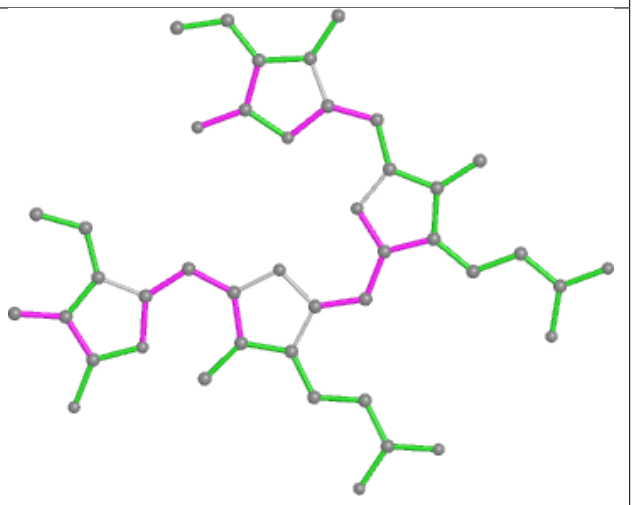

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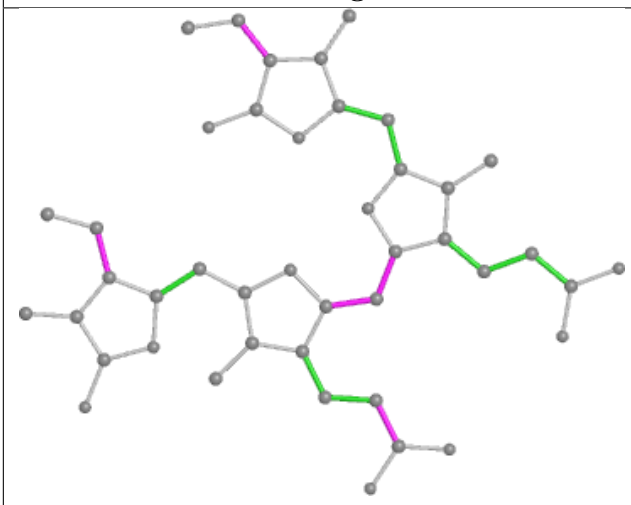

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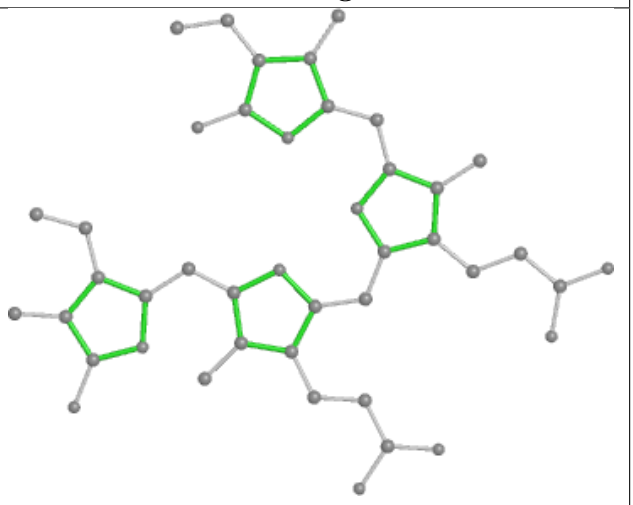
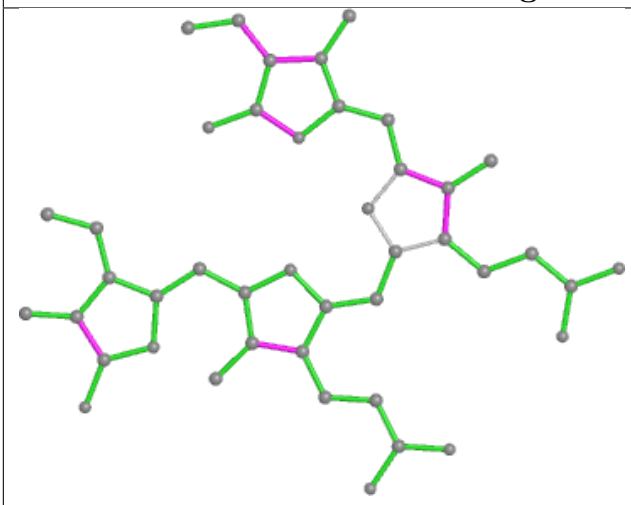


Rings

Ligand PEB g5 202



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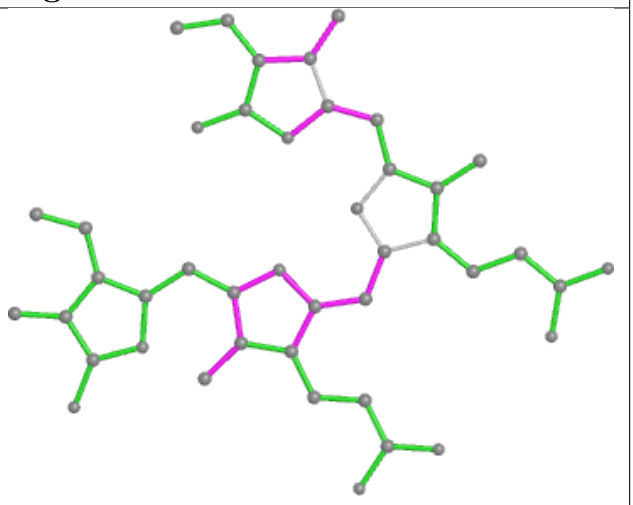

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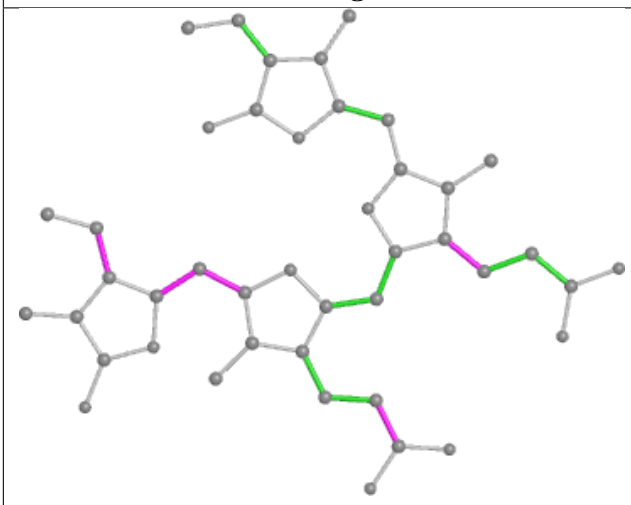

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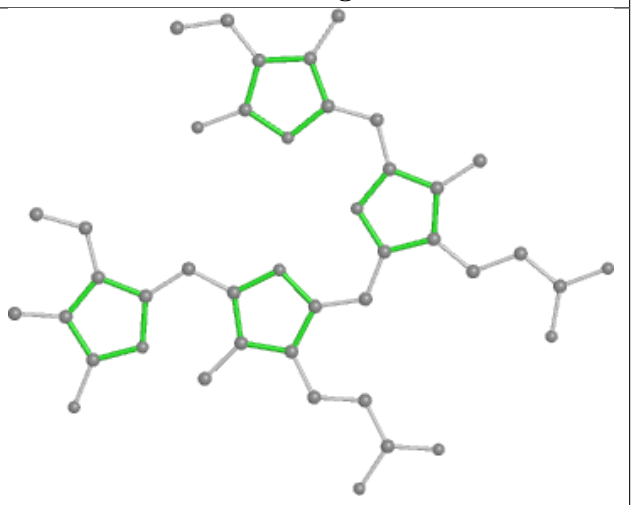
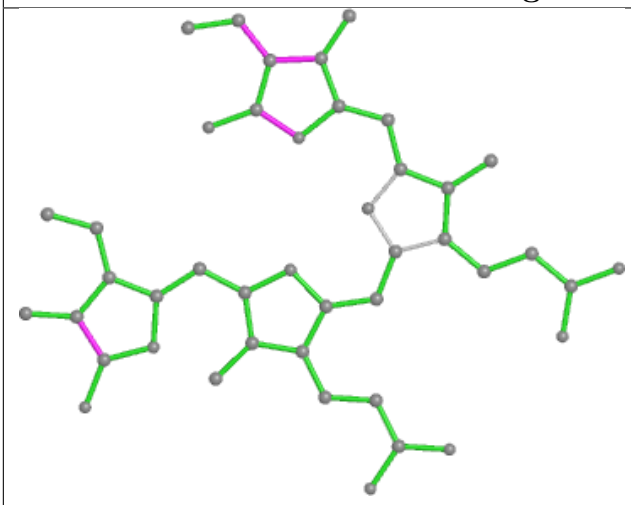


Rings

Ligand PEB bl 202



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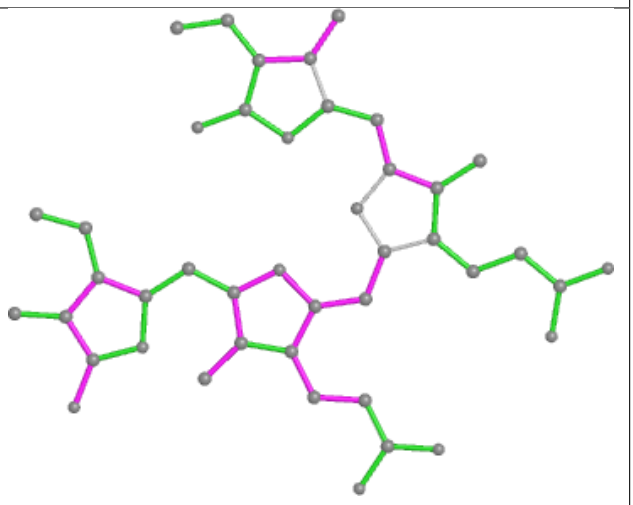

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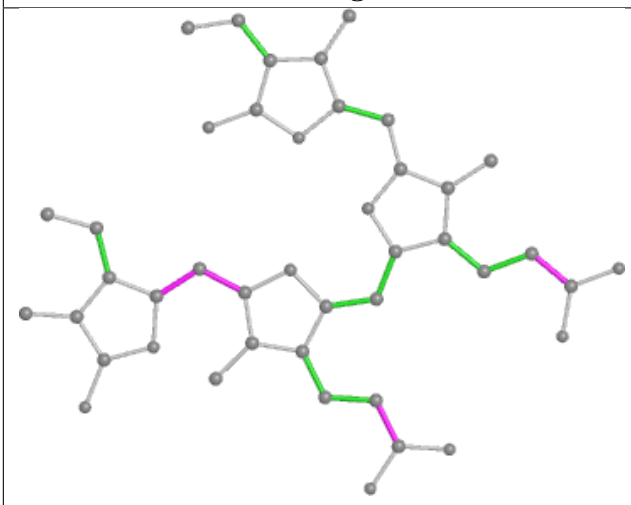
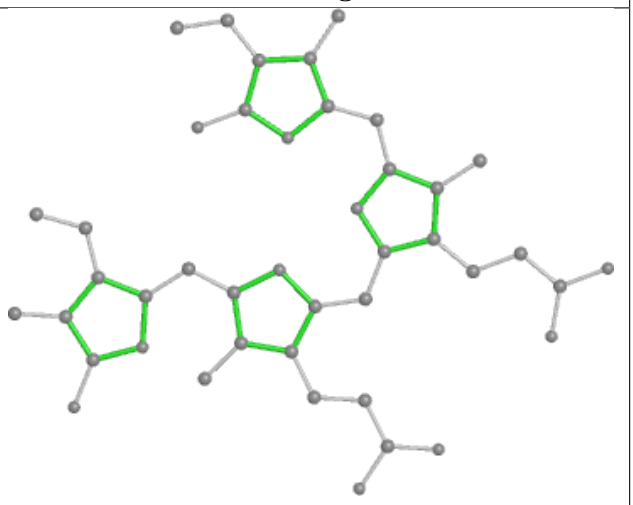


Torsions



Rings

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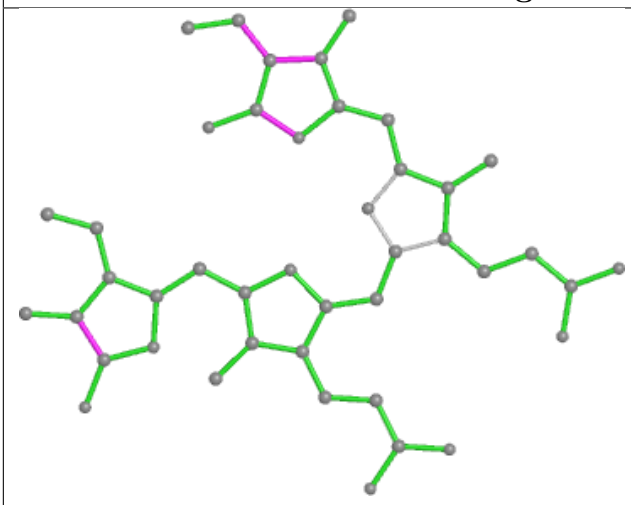

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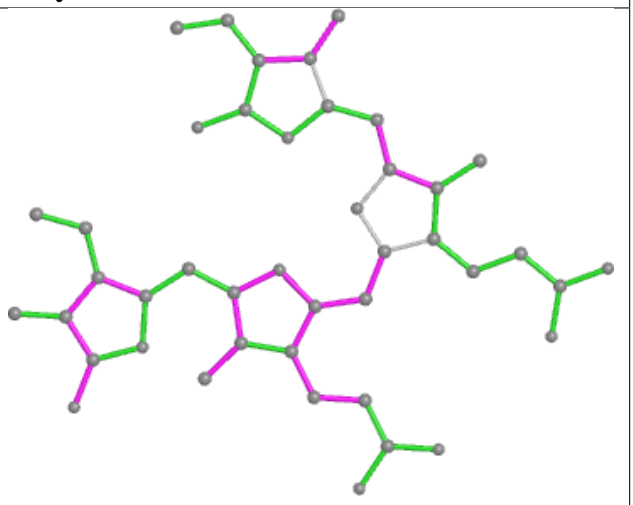

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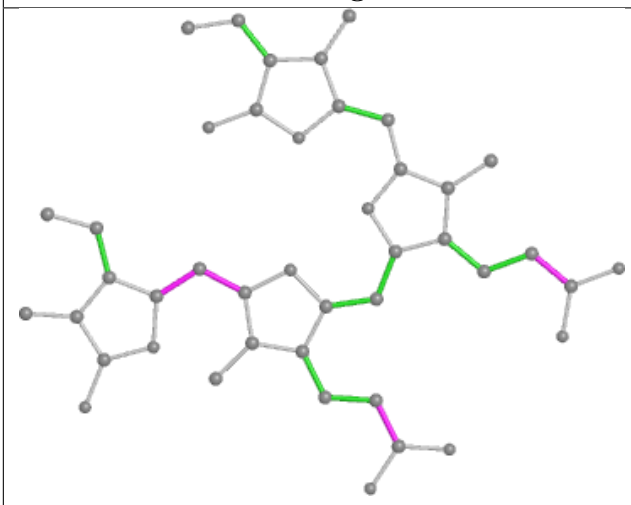

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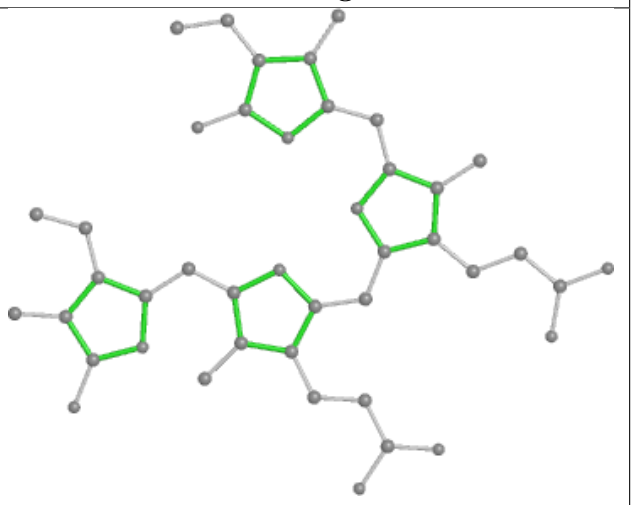

Rings

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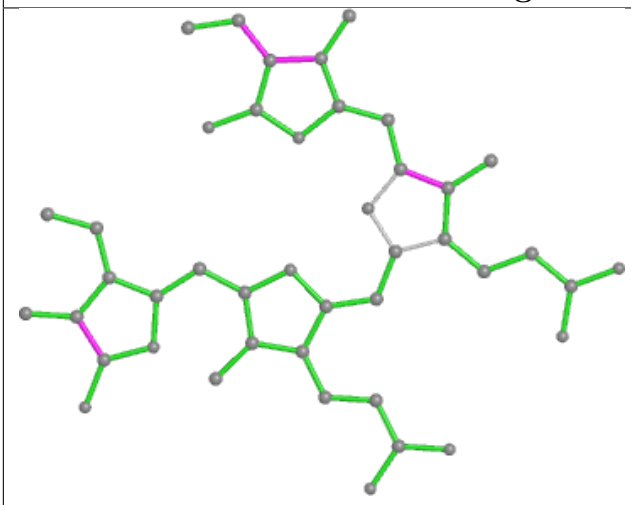

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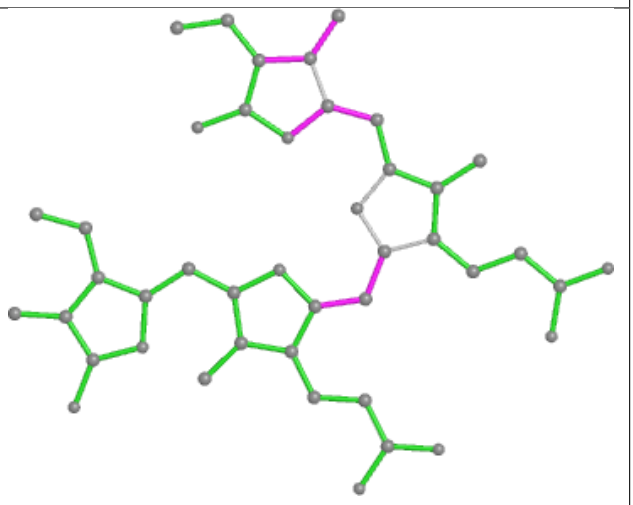

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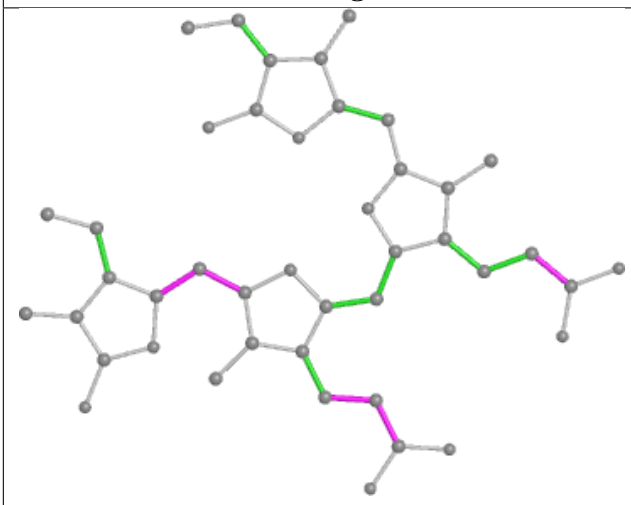

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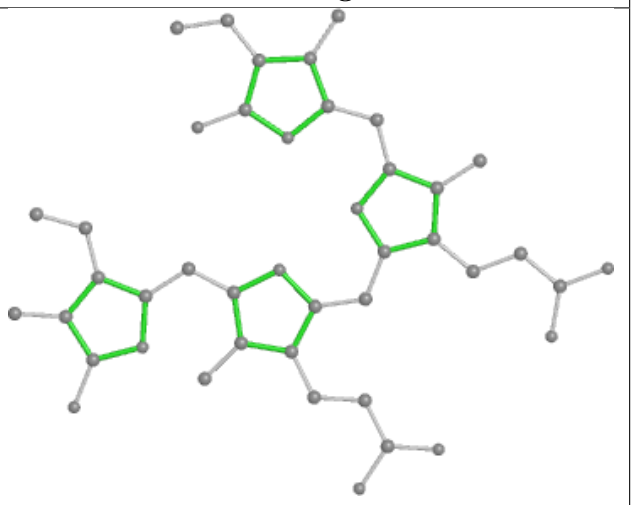

Rings

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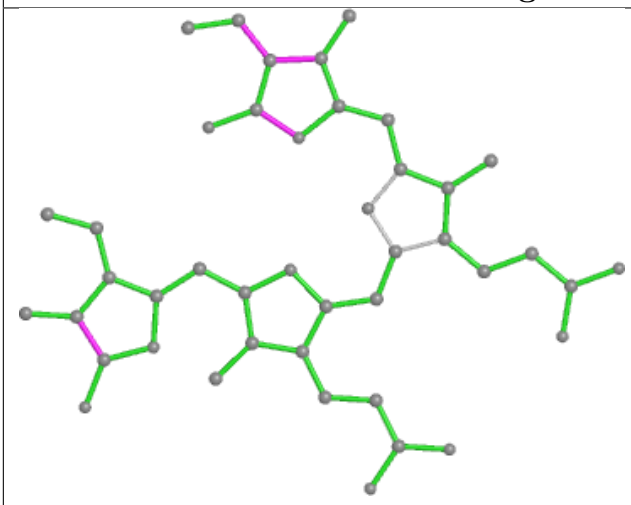

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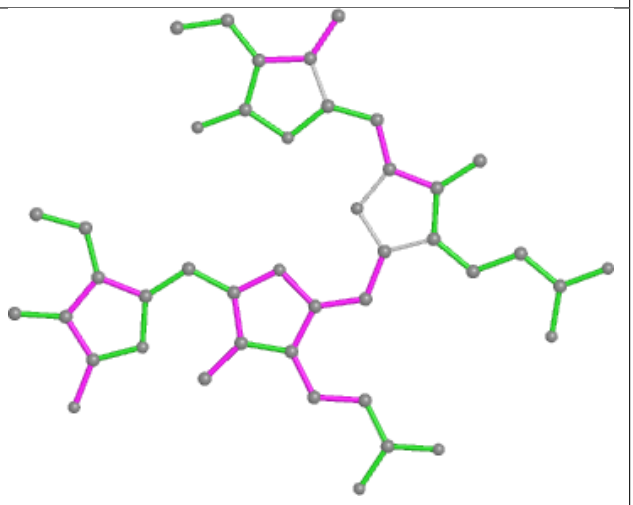

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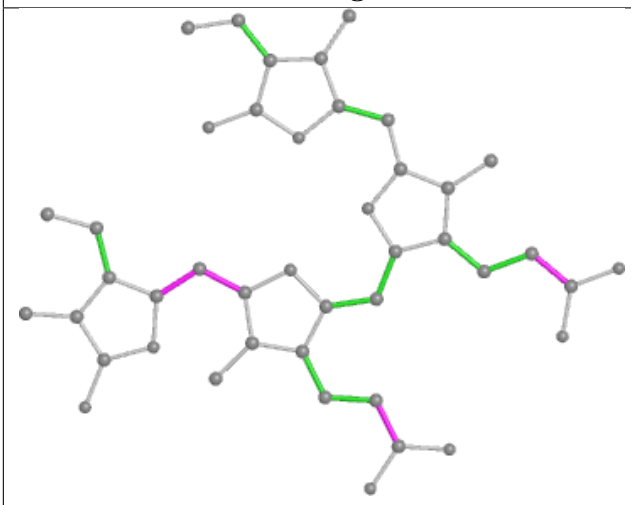

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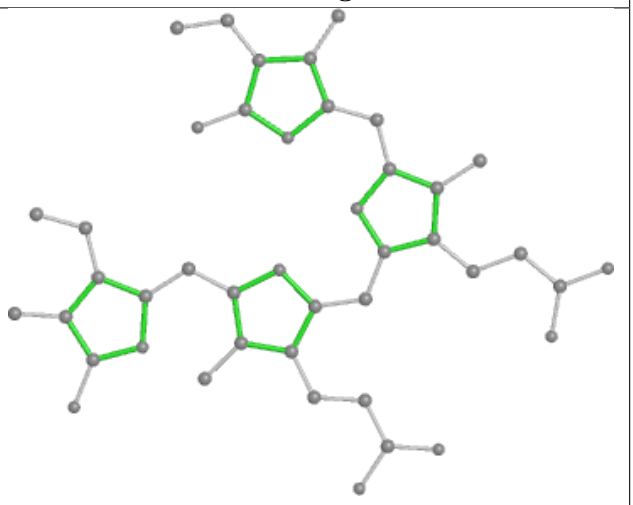

Rings

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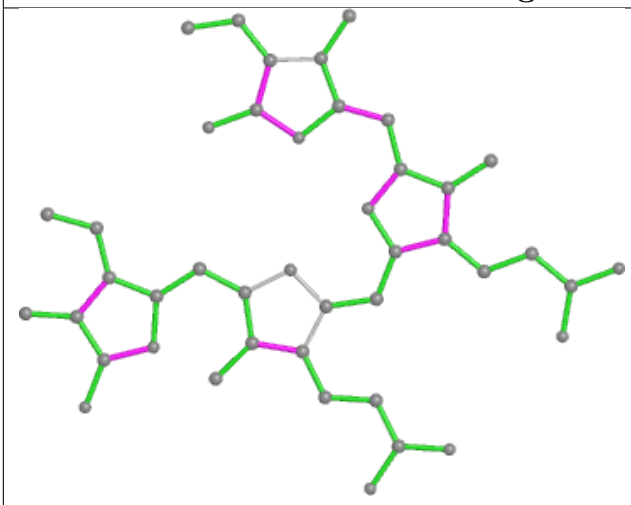

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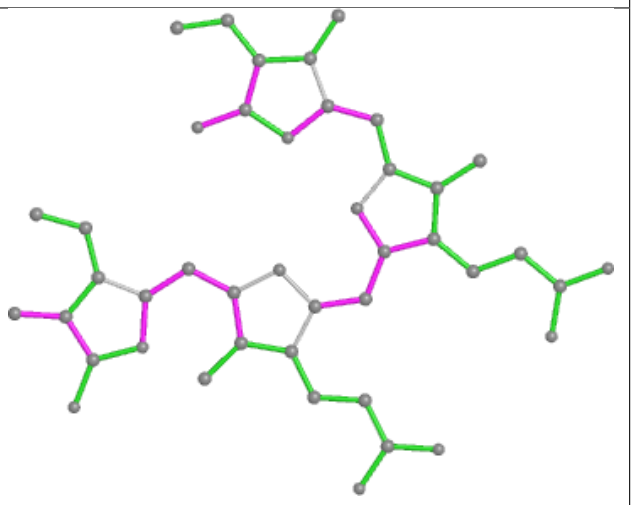

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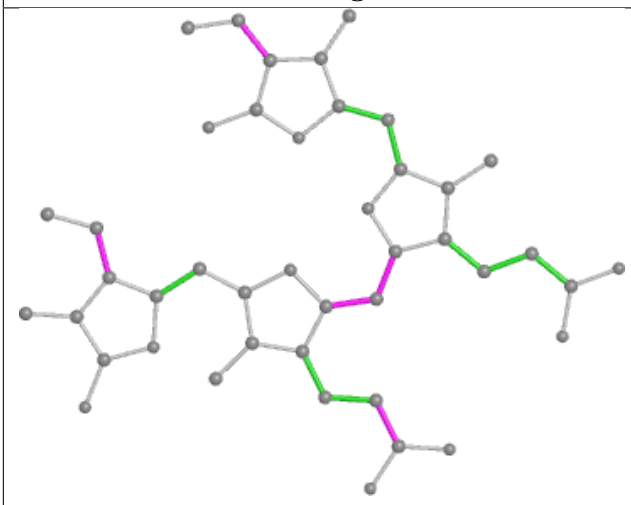

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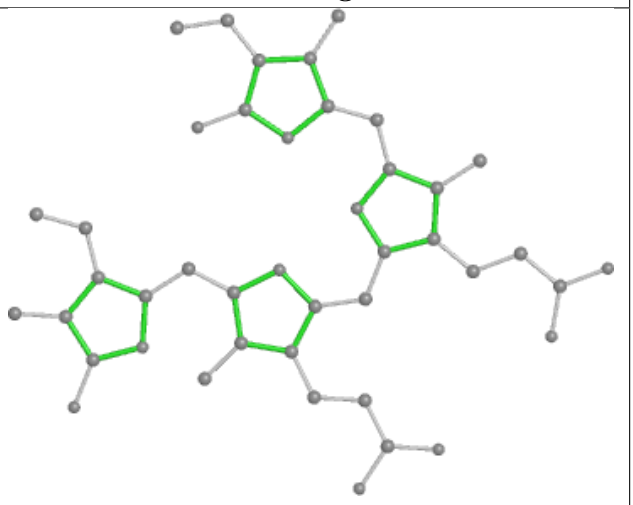

Rings

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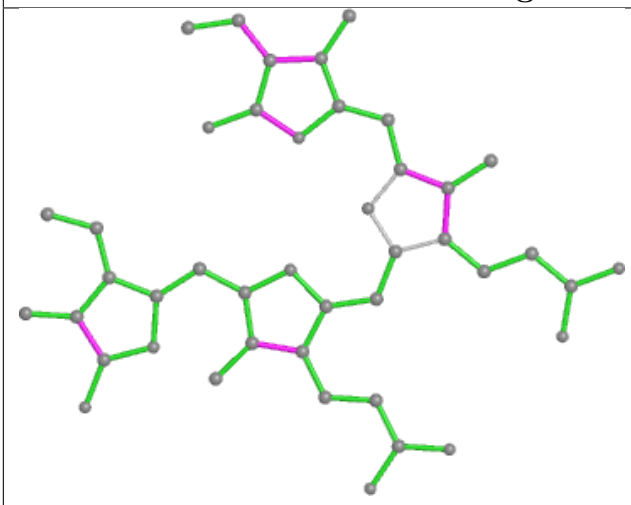

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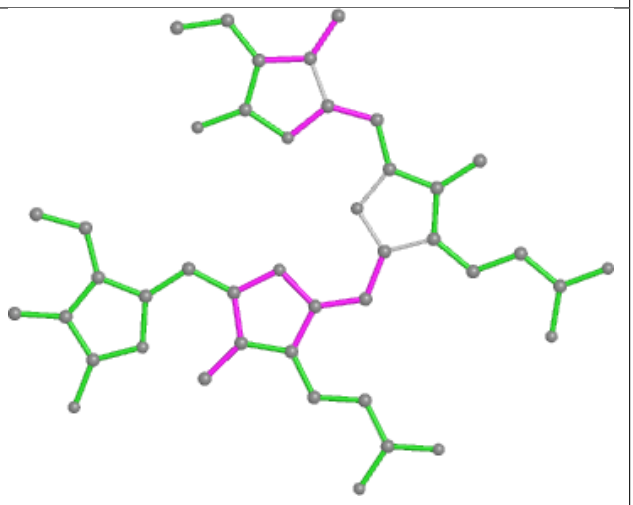

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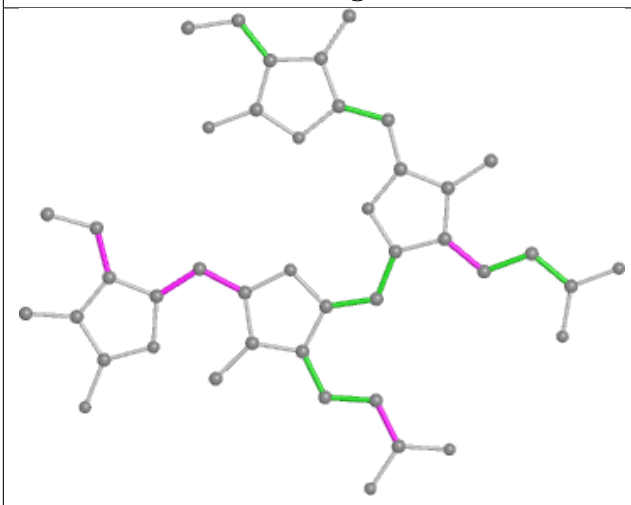

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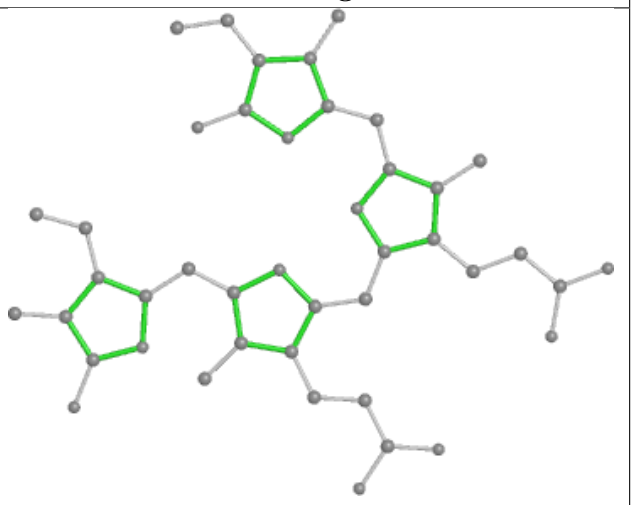

Rings

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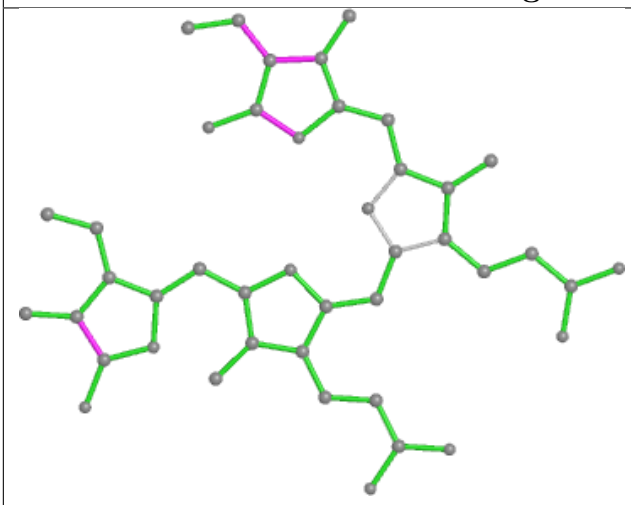

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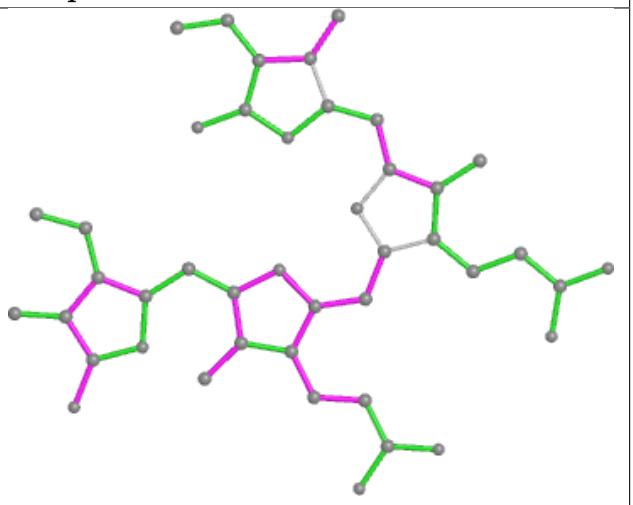

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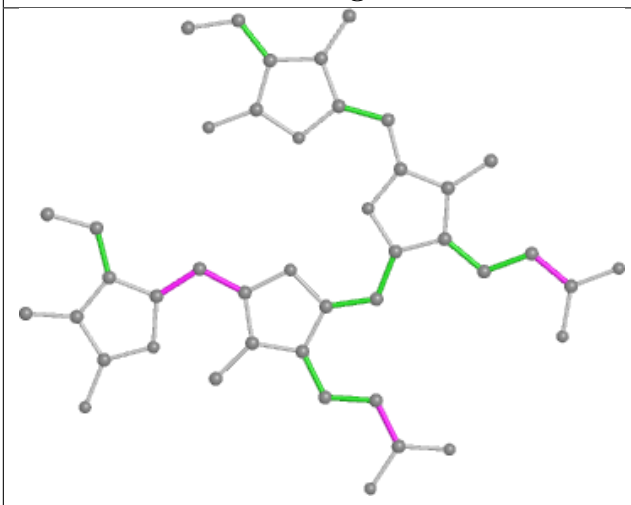

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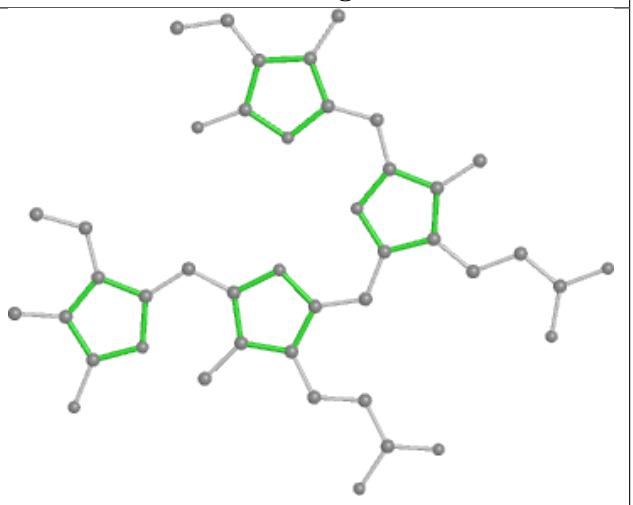

Rings

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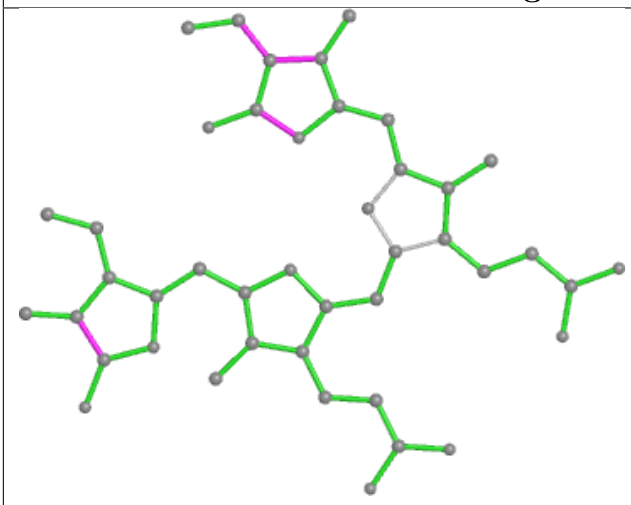

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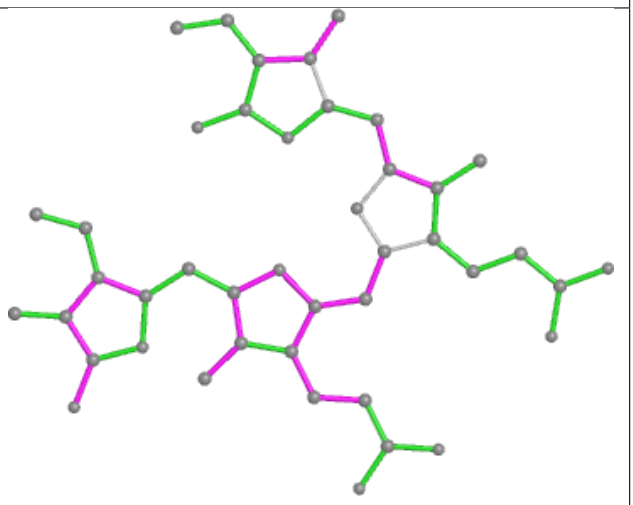

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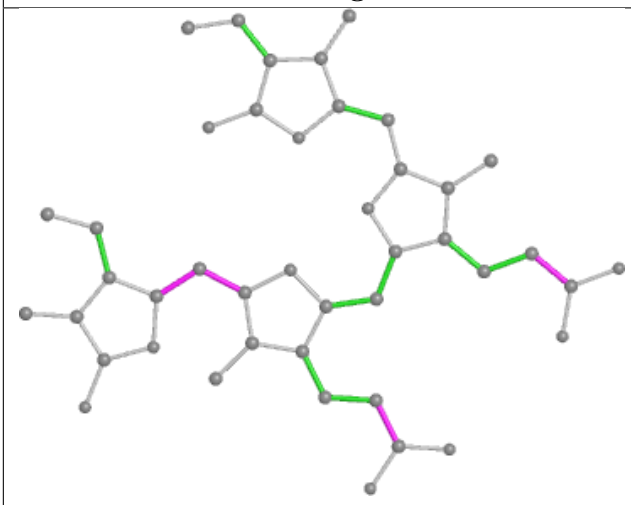

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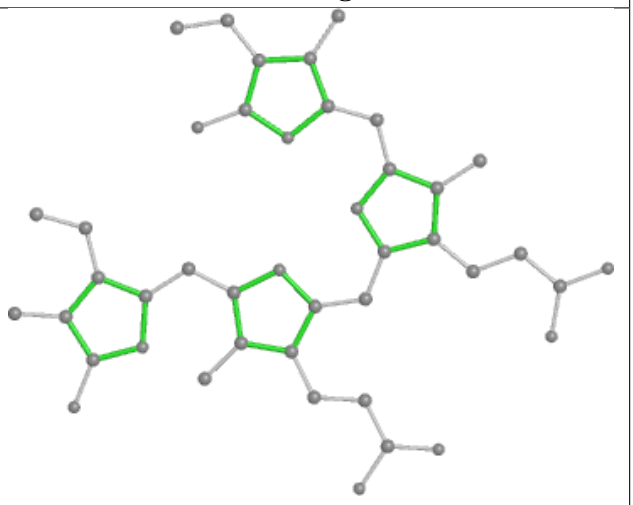

Rings

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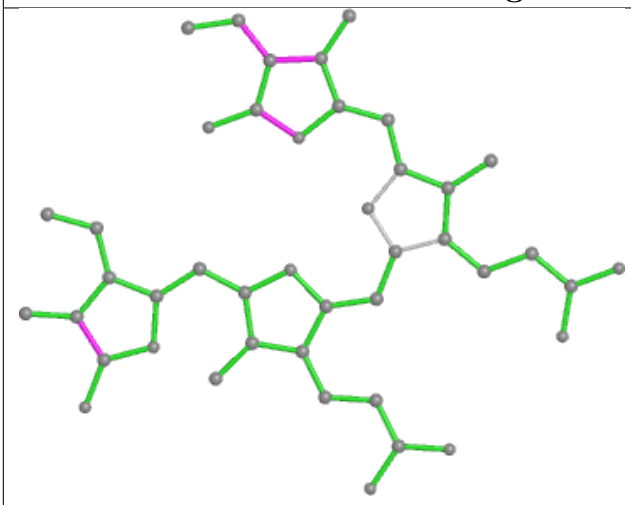

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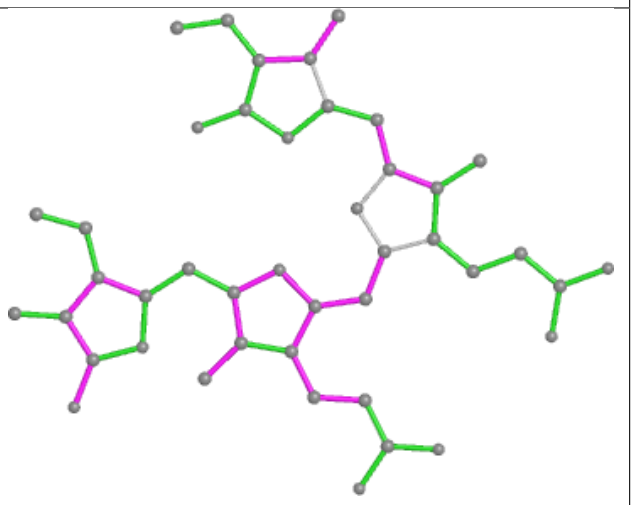

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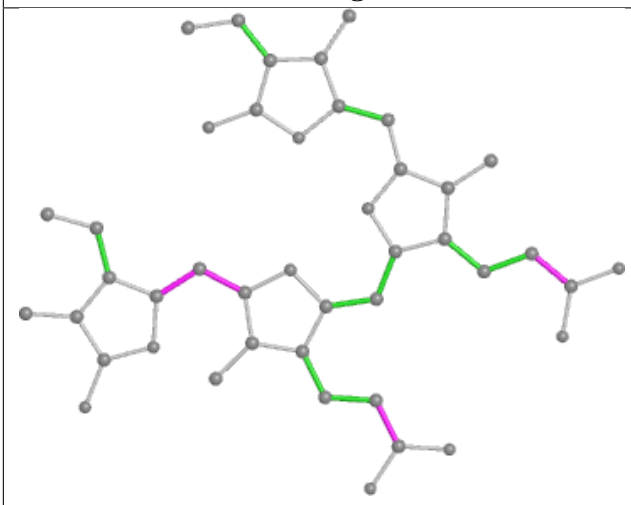

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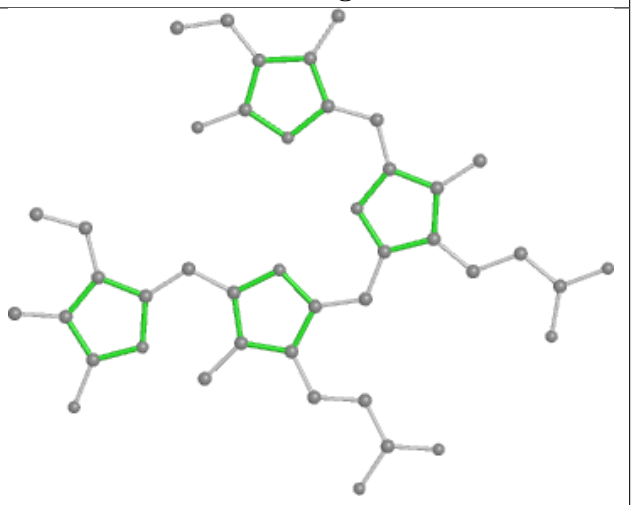

Rings

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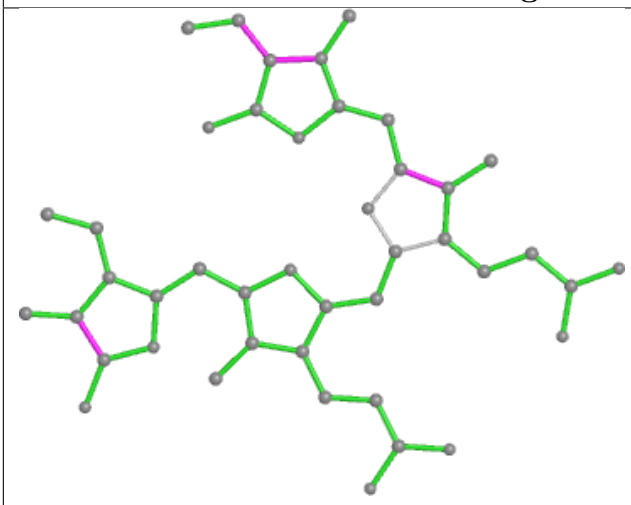

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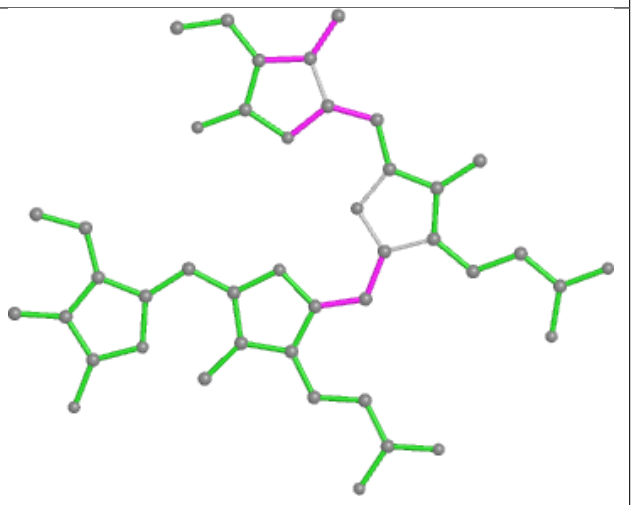

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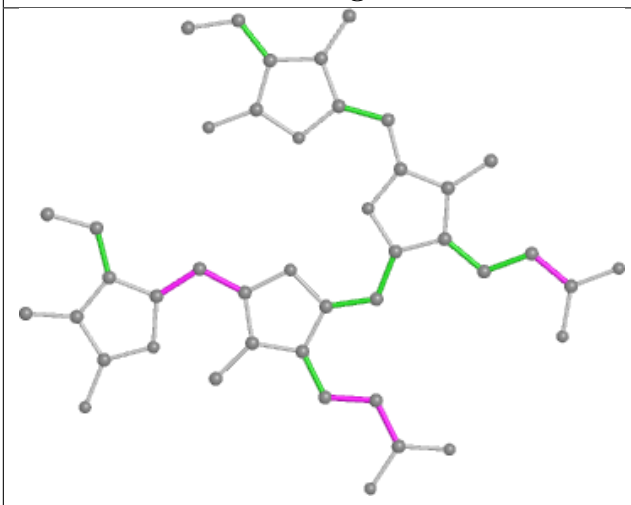

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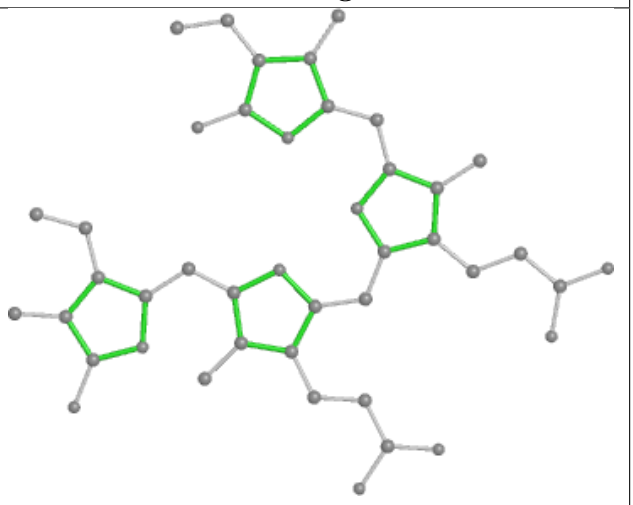

Rings

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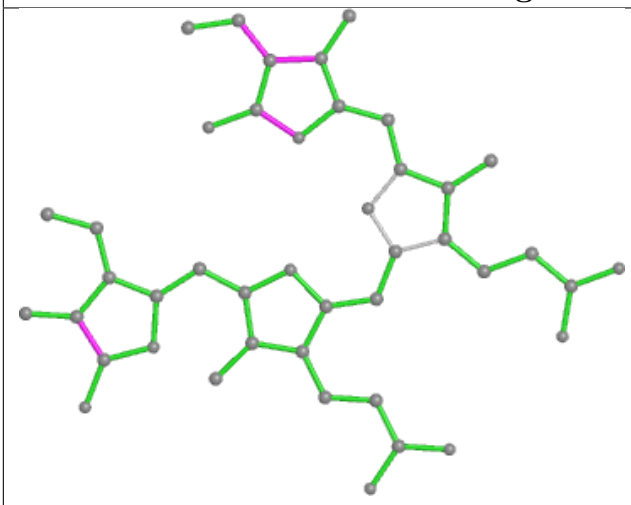

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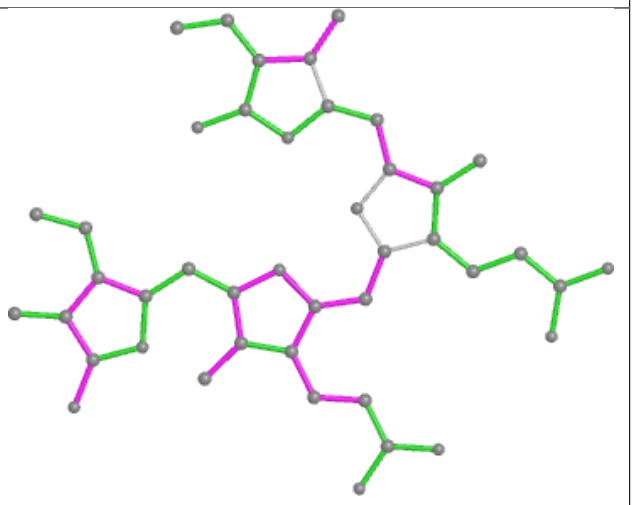

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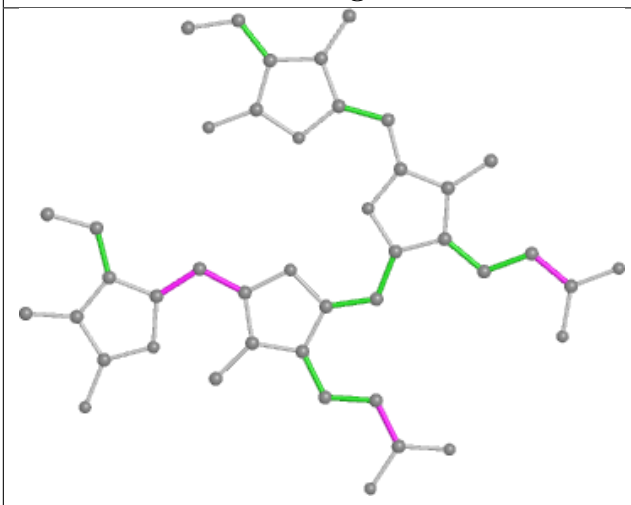

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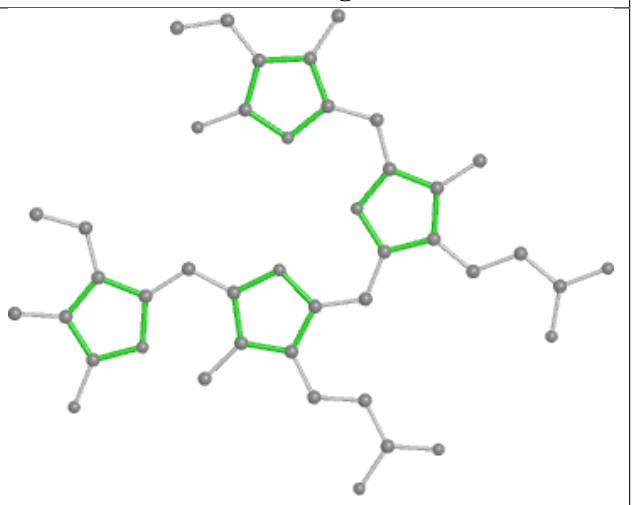

Rings

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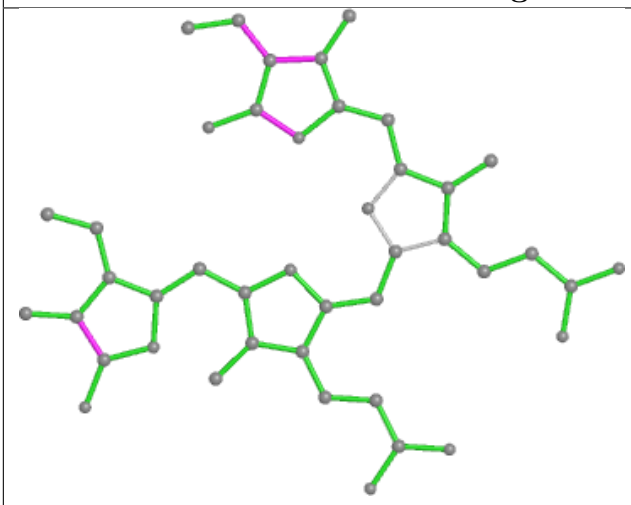

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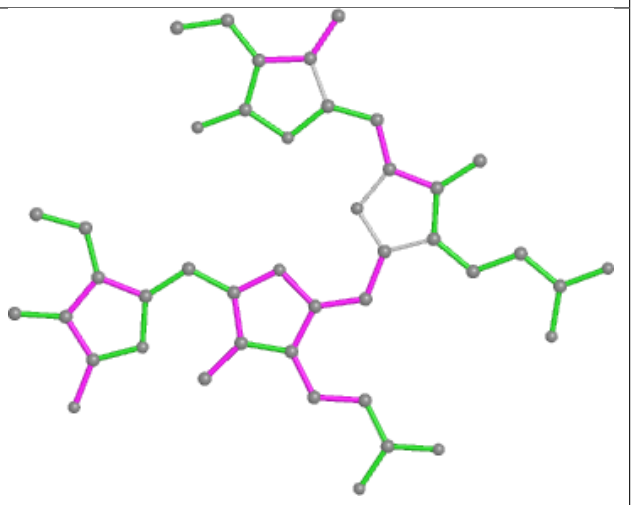

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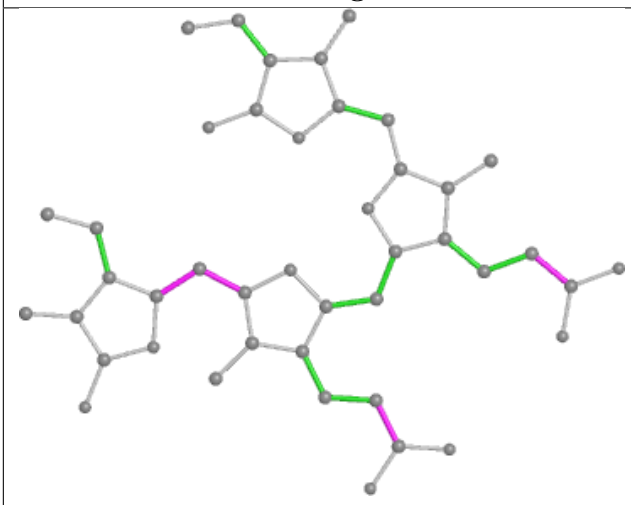

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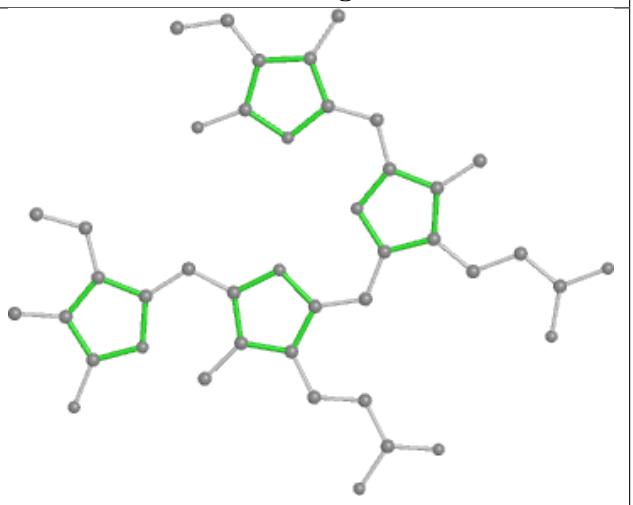

Rings

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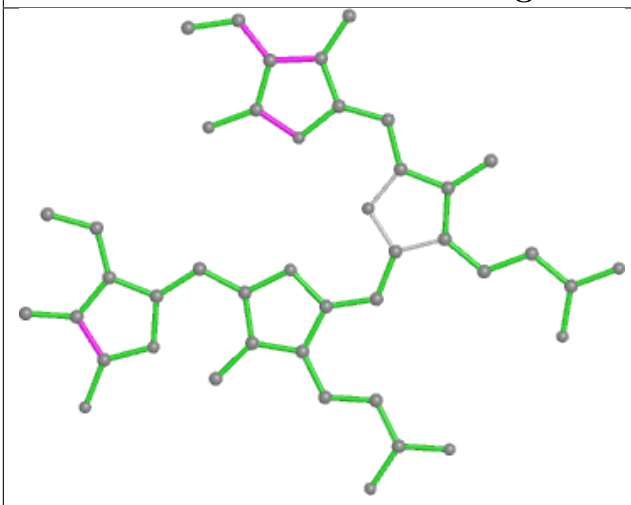

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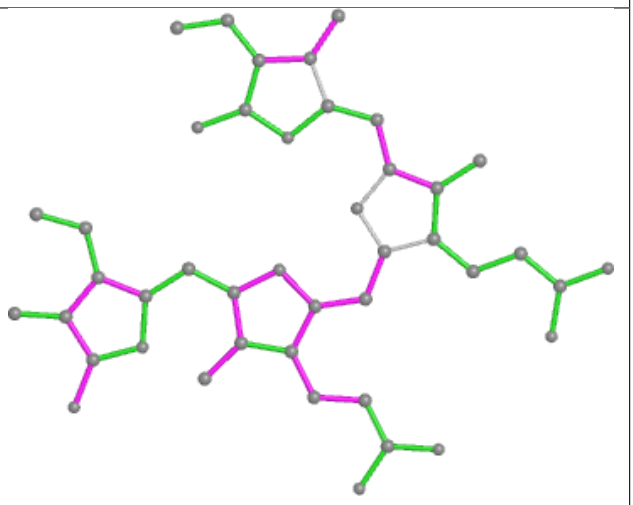

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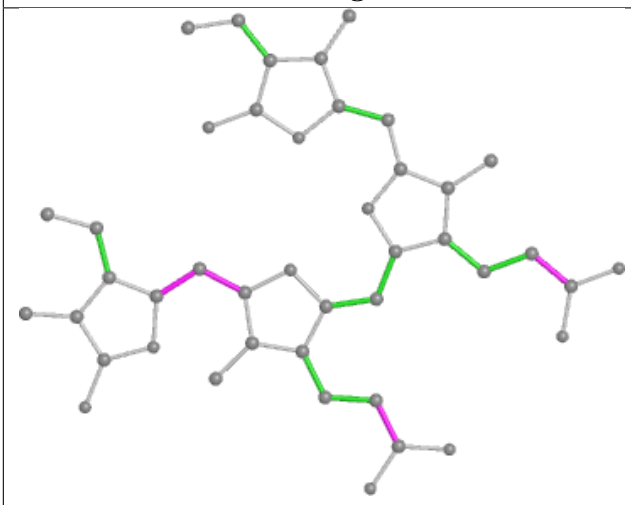

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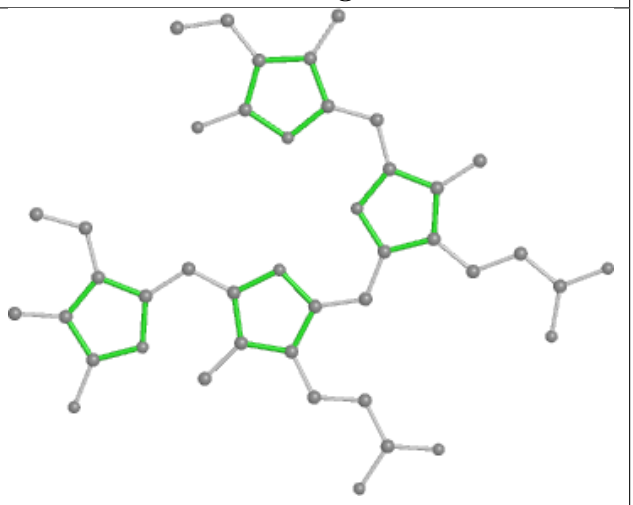

Rings

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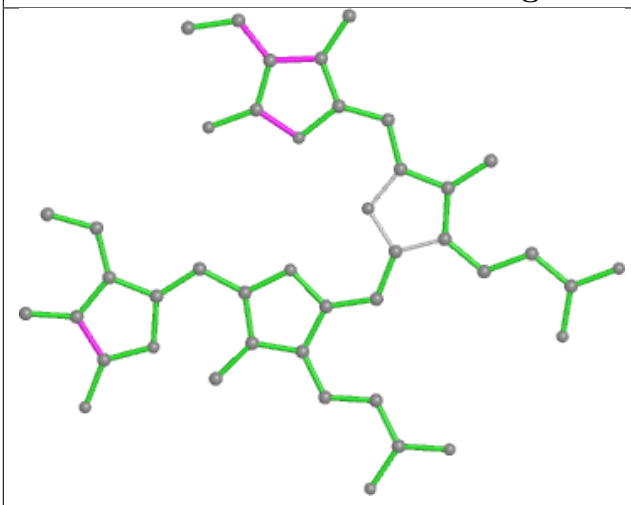

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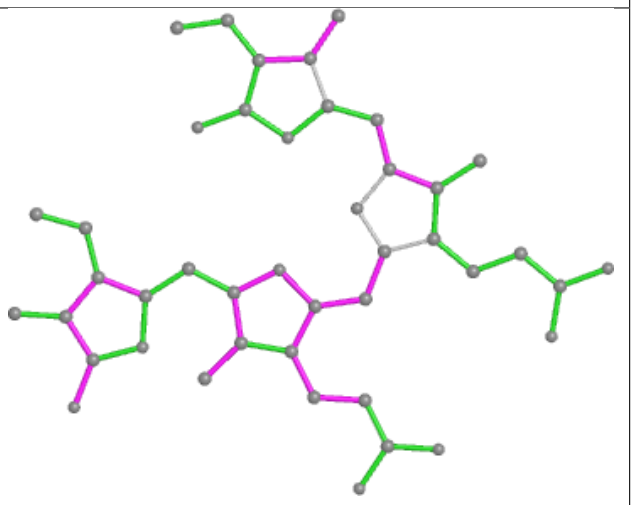
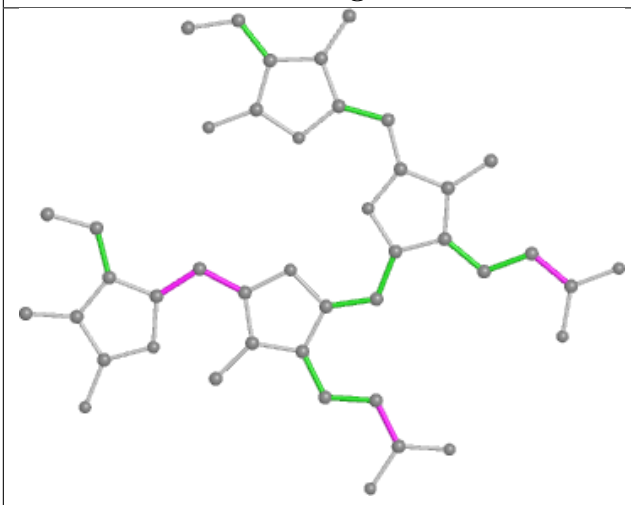
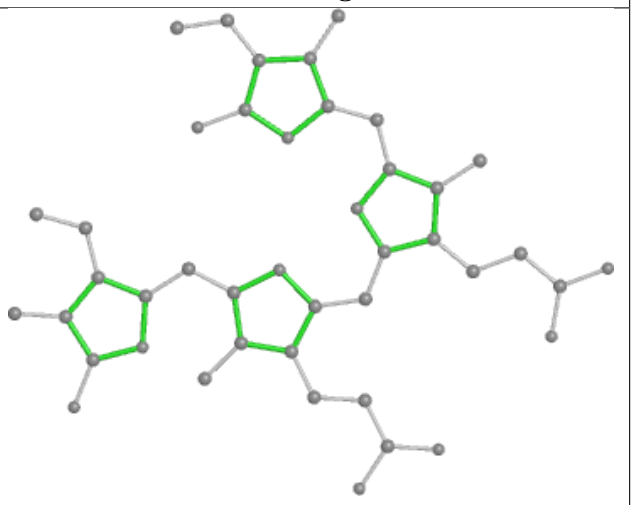


Bond angles

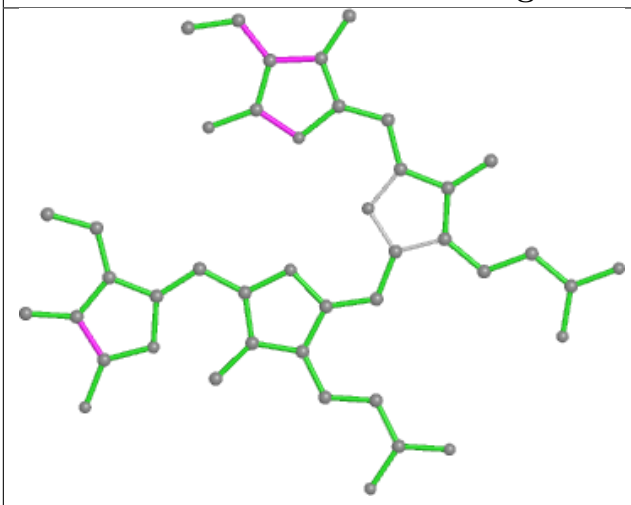


Torsions



Rings

Ligand PEB E6 202



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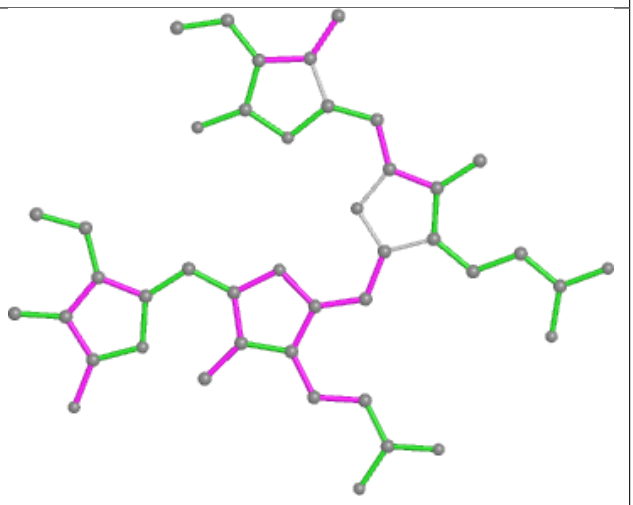

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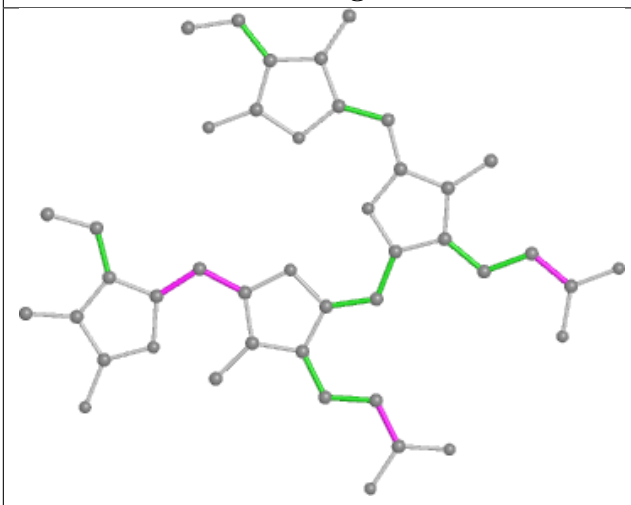

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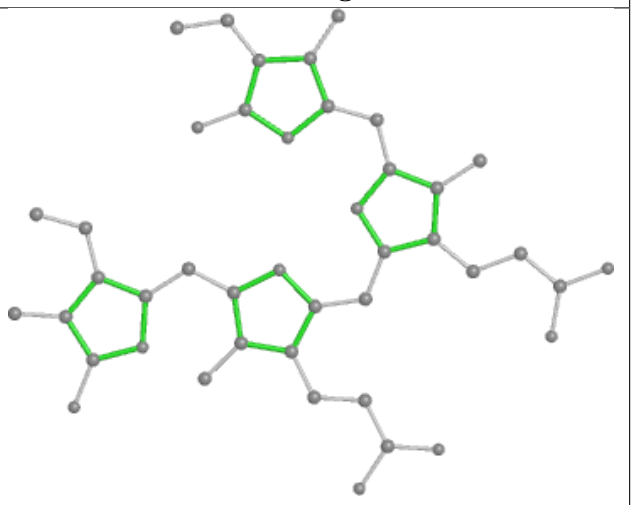
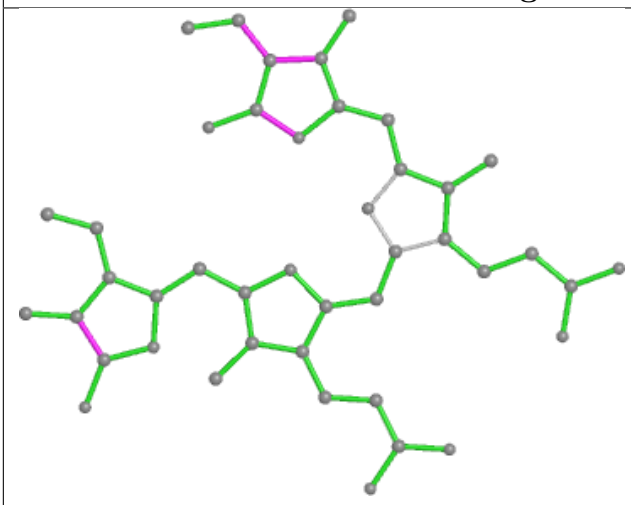


Rings

Ligand PEB ao 201



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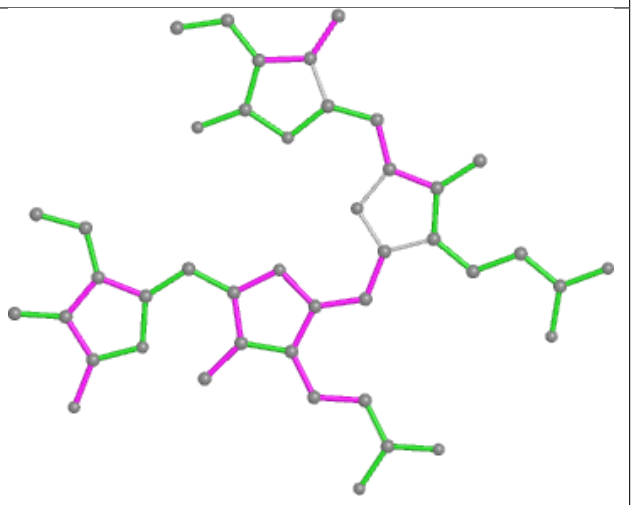

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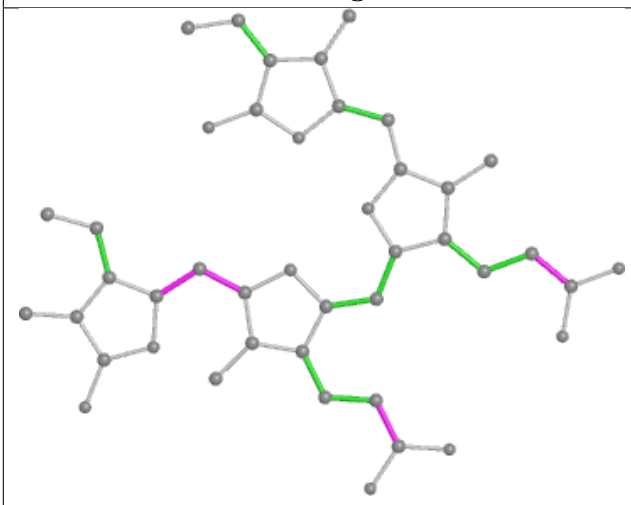

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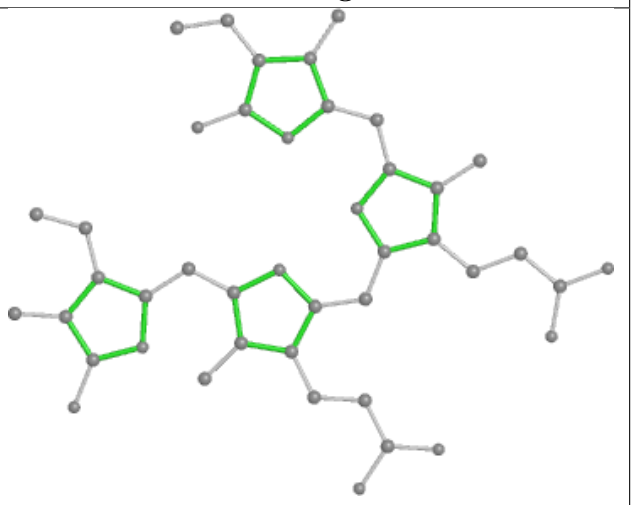
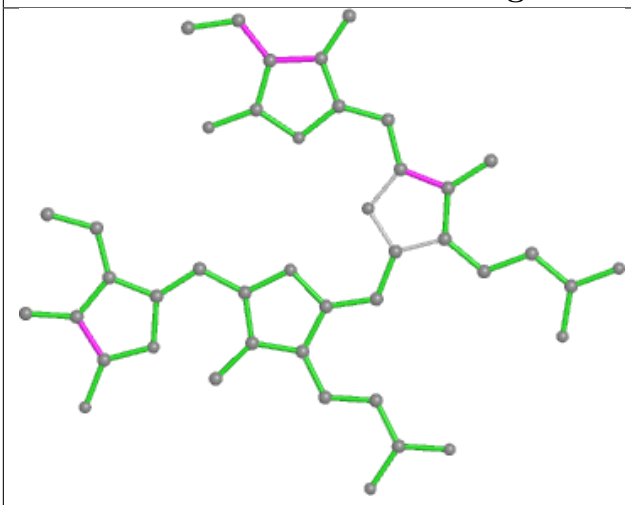


Rings

Ligand PEB eA 1002



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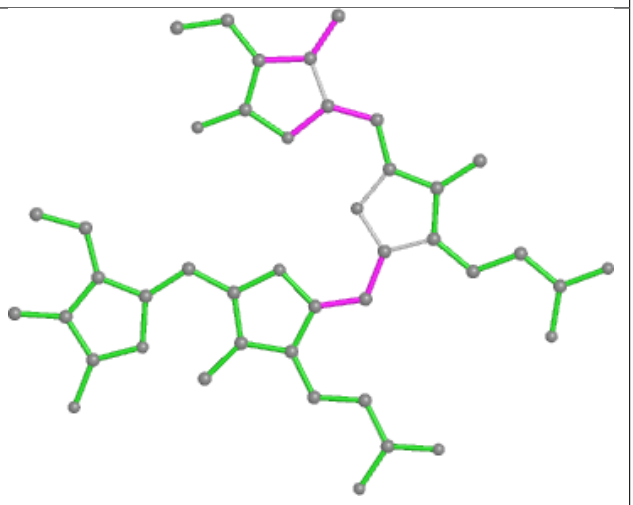

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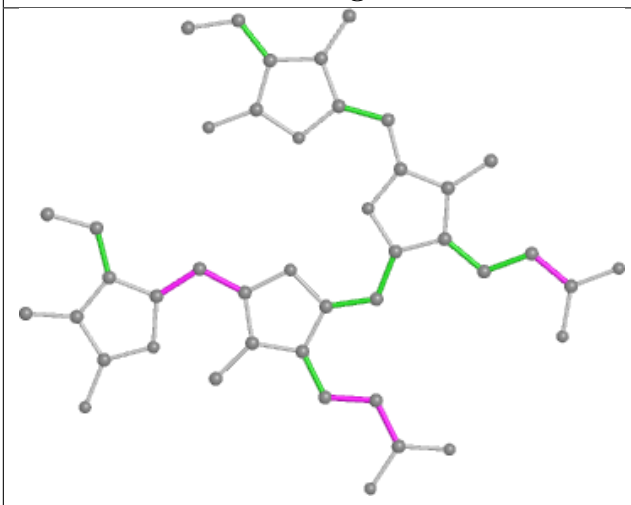

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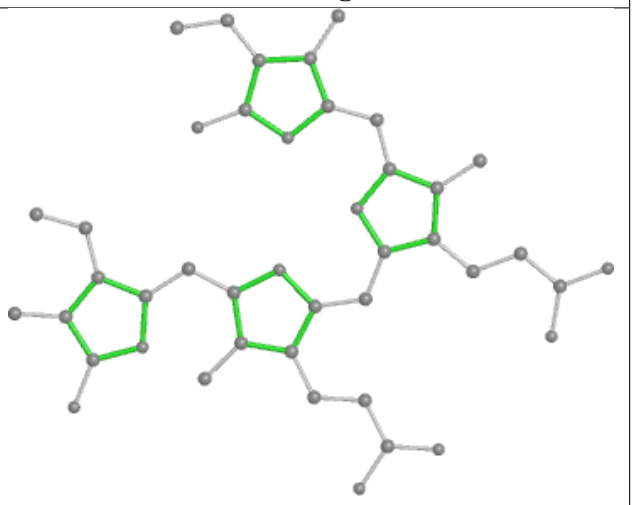
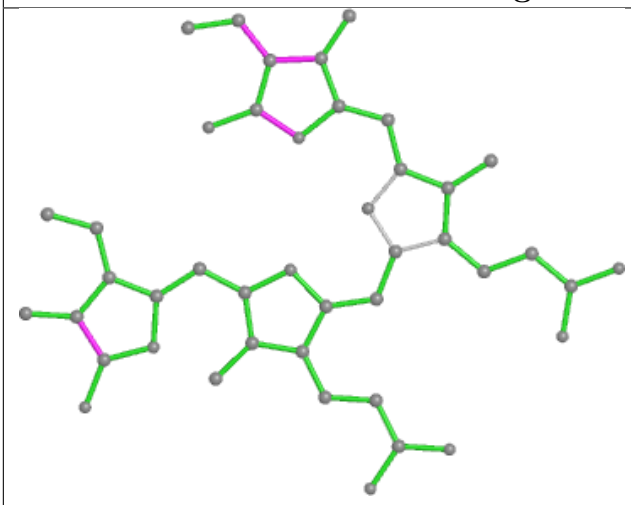


Rings

Ligand PEB m7 201



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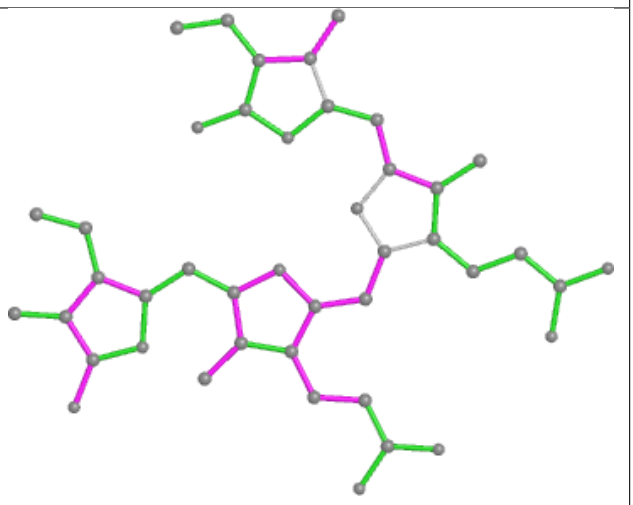

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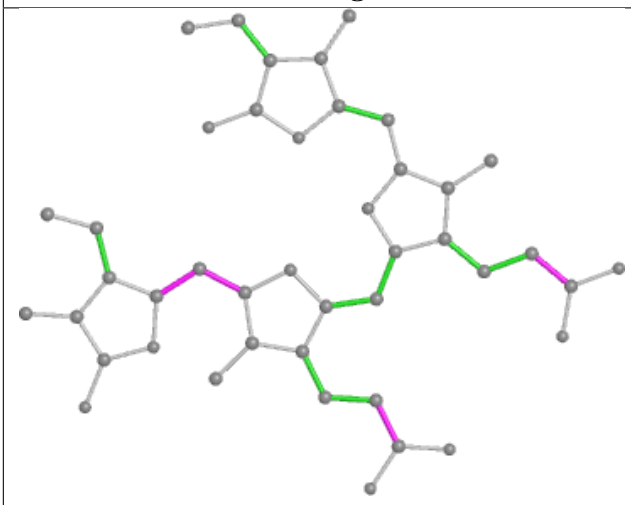

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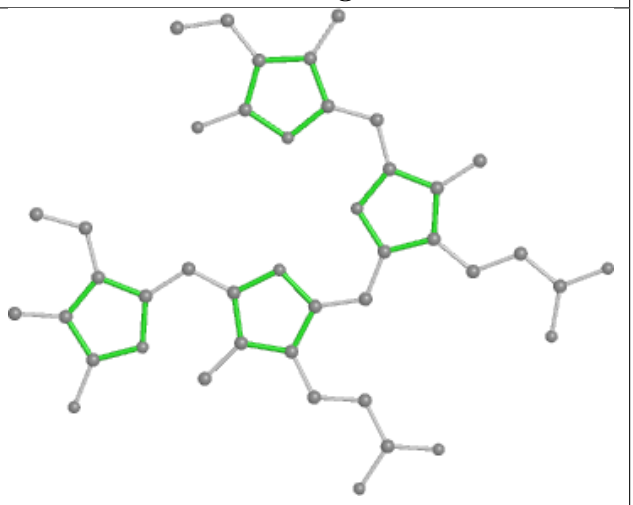

Rings

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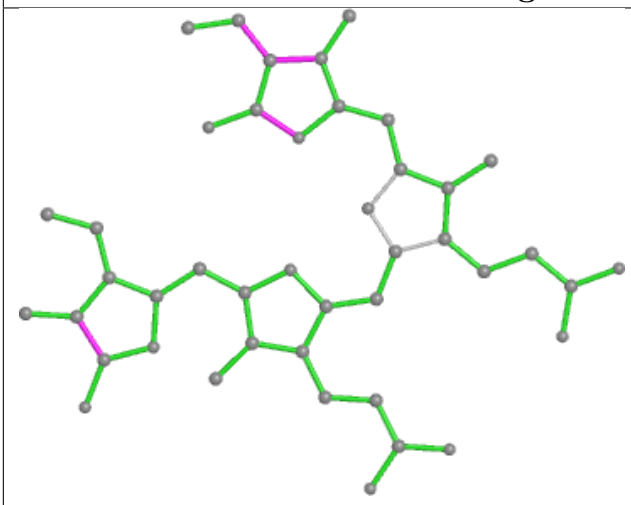

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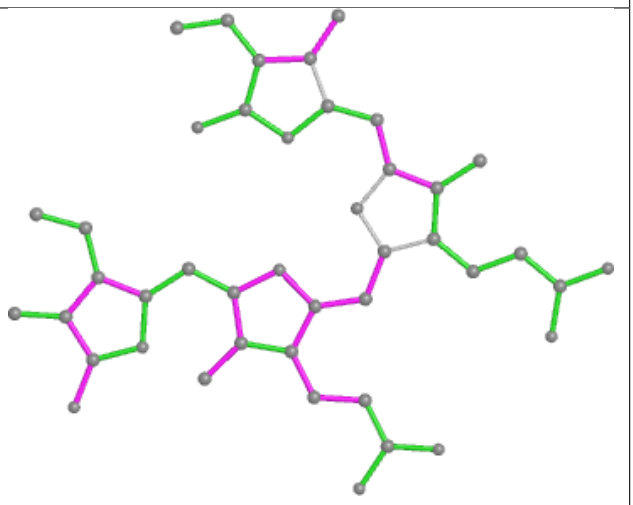

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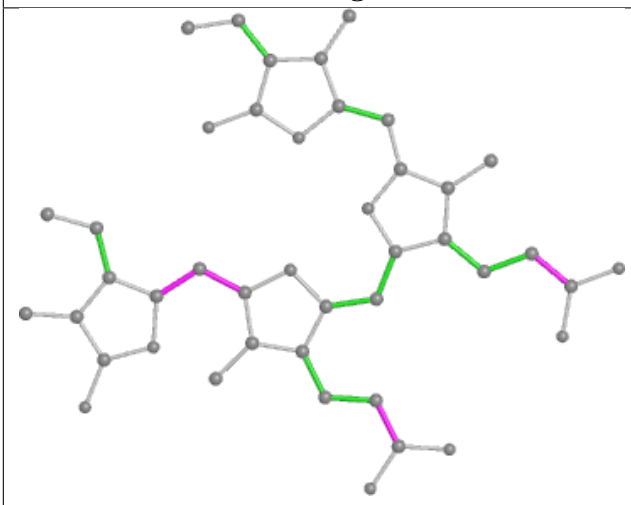

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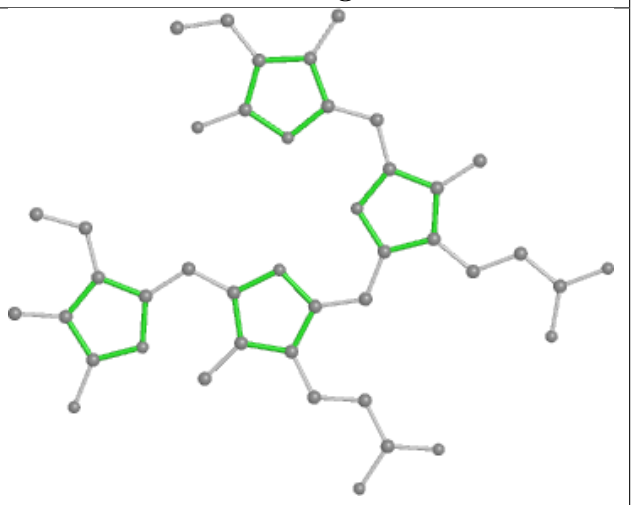

Rings

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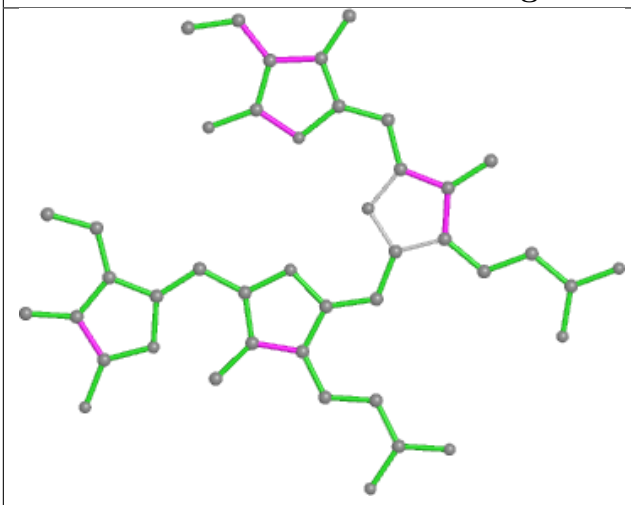

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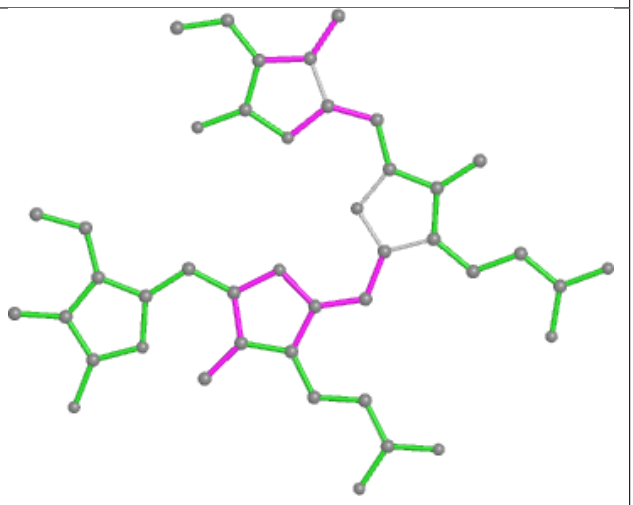

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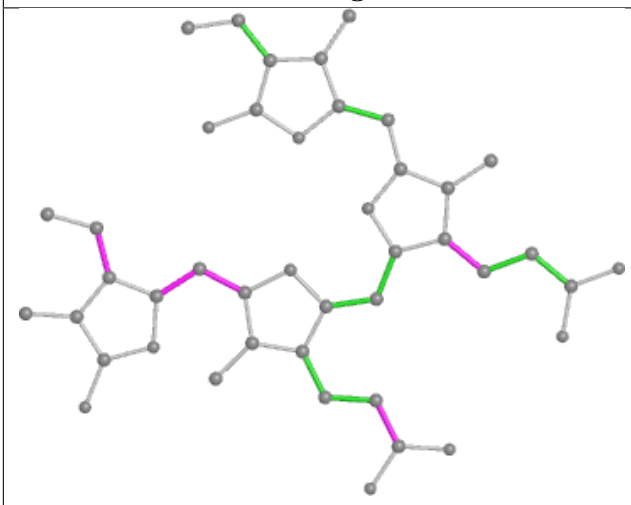

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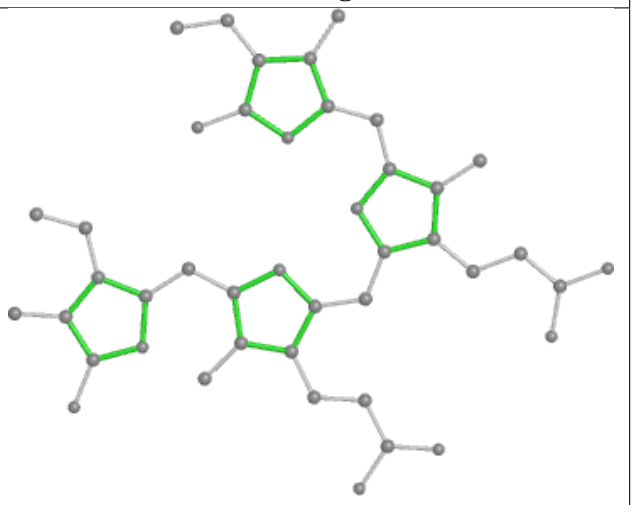

Rings

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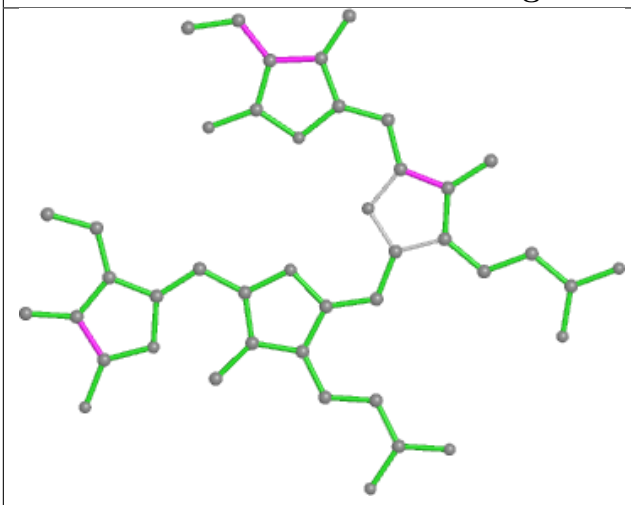

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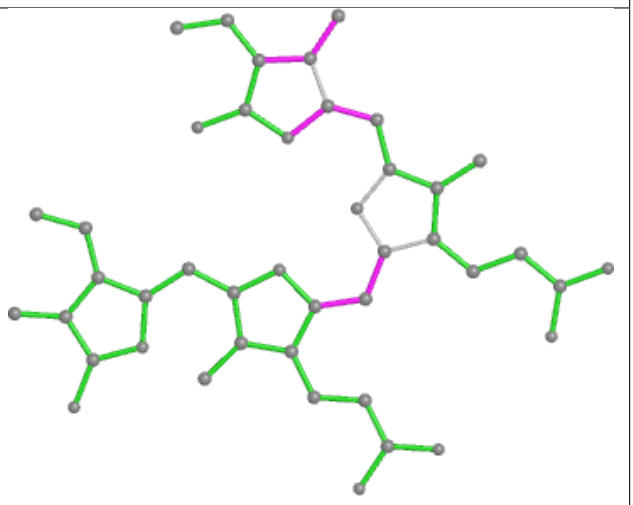

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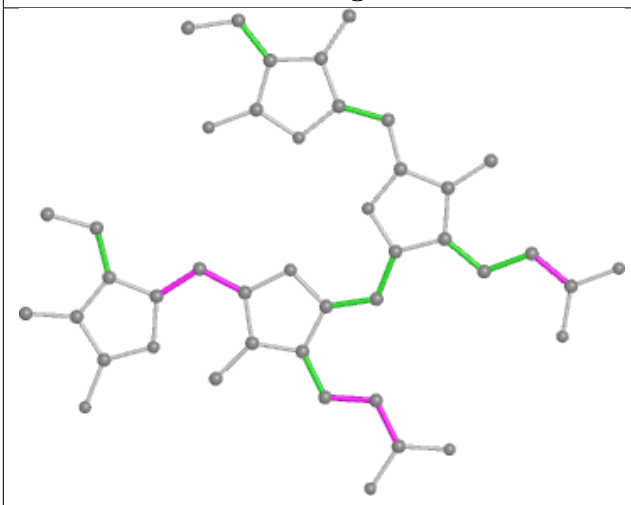

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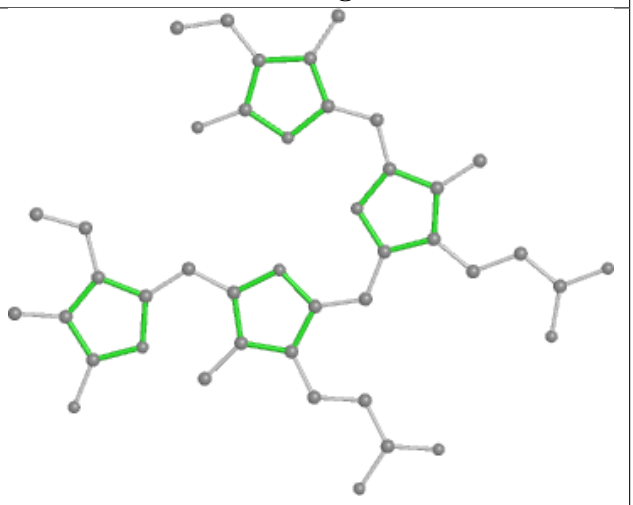

Rings

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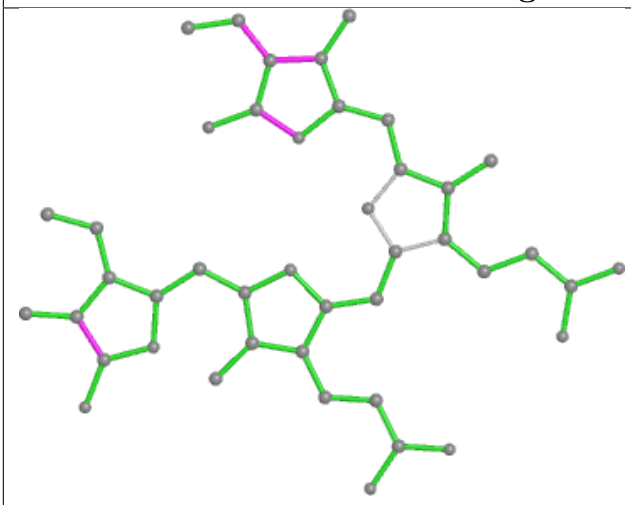

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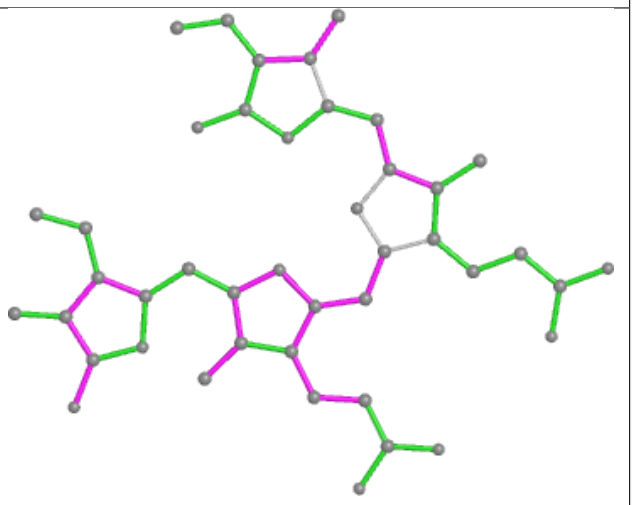

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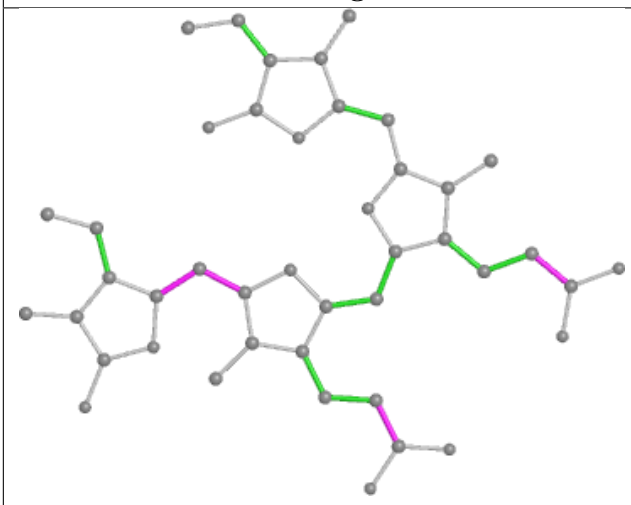

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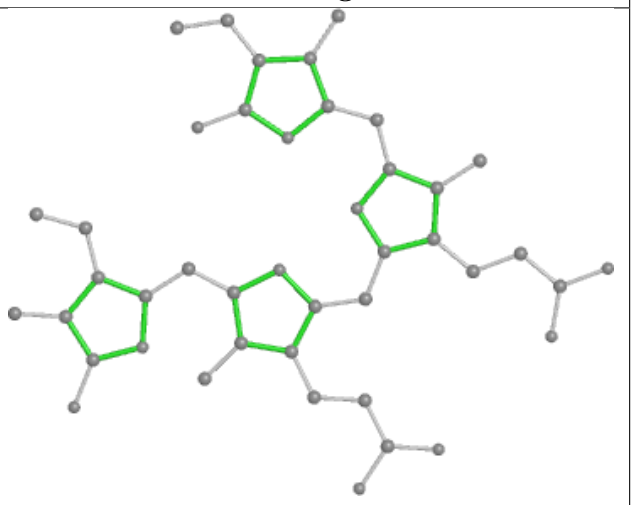

Rings

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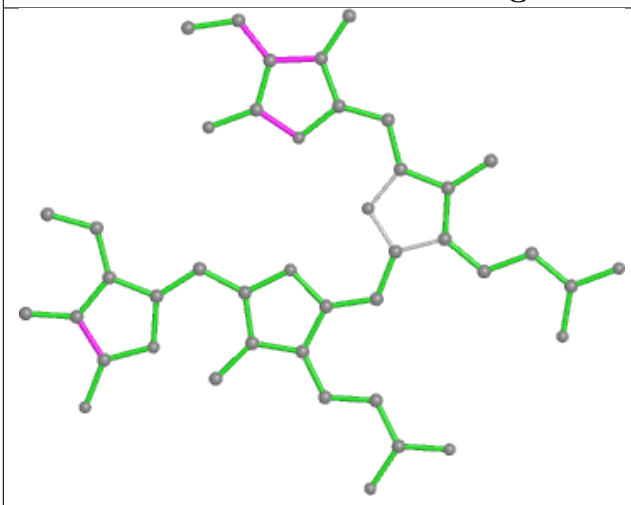

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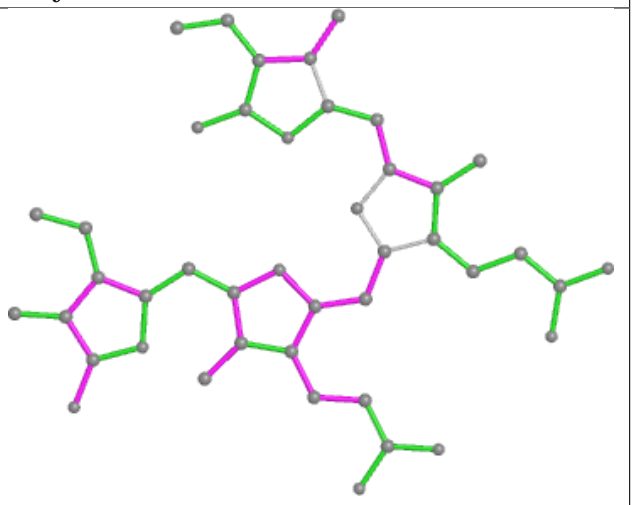

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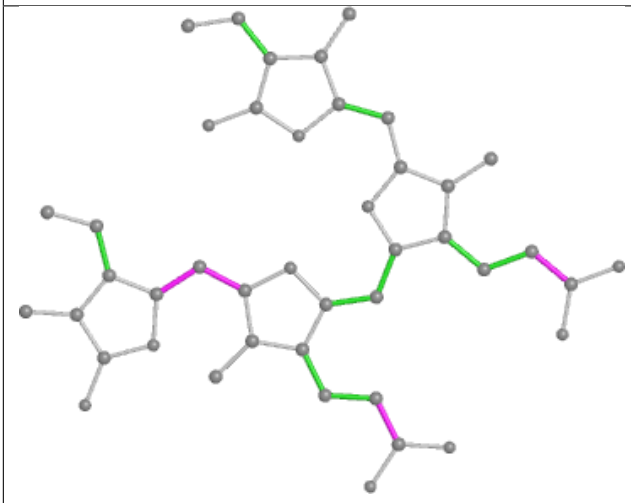

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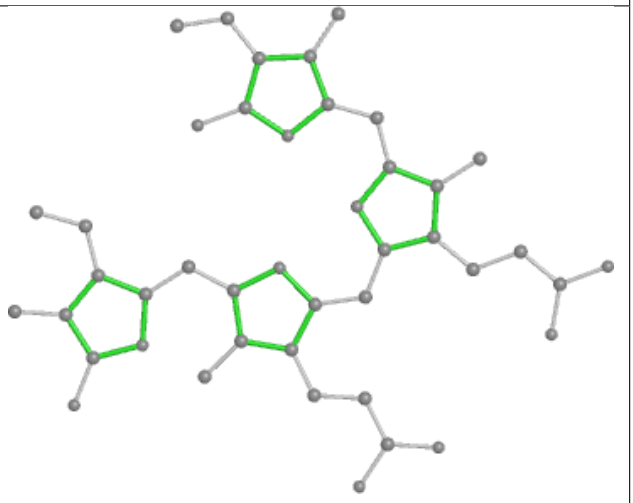

Rings

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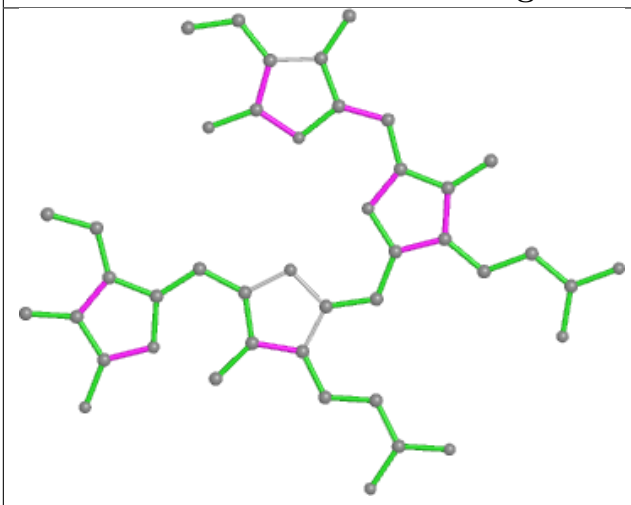

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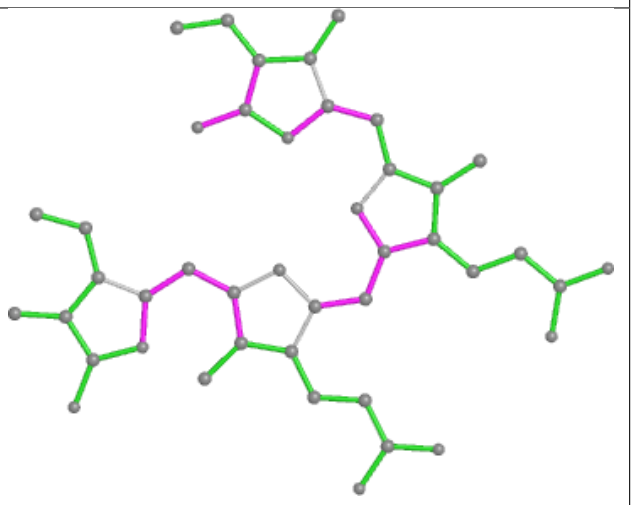

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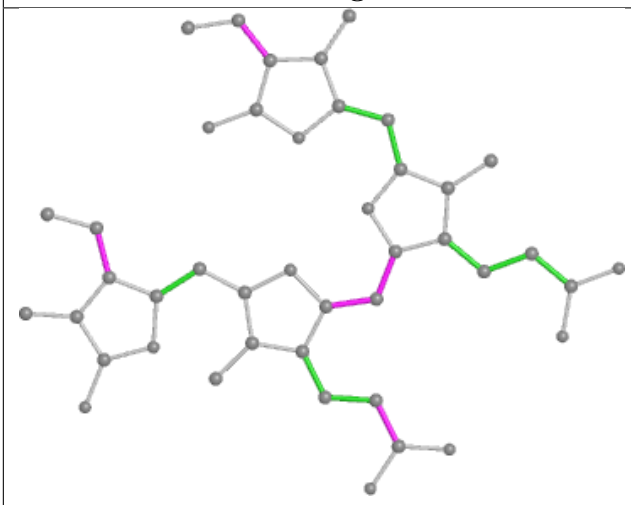

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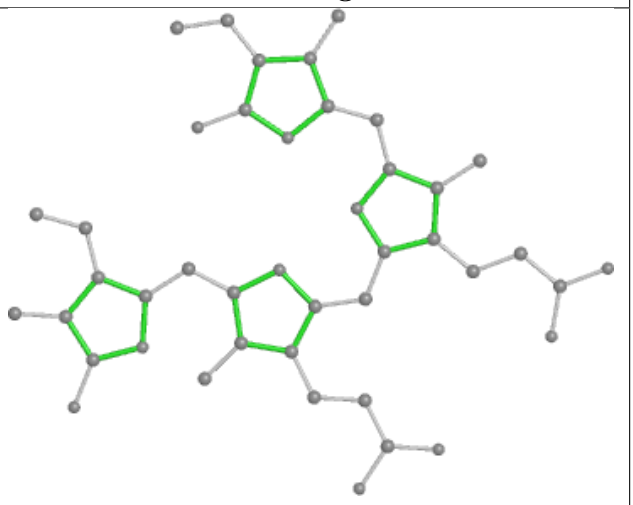
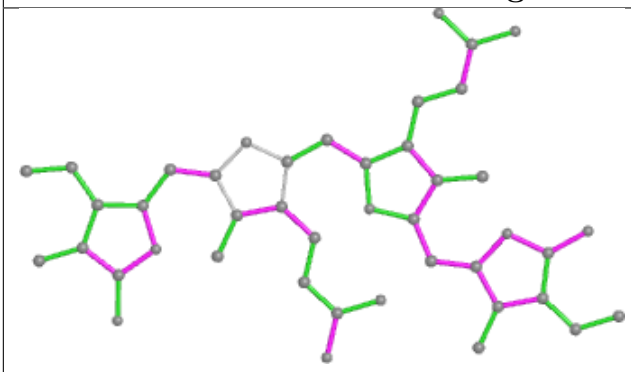


Rings

Ligand CYC b2 1001



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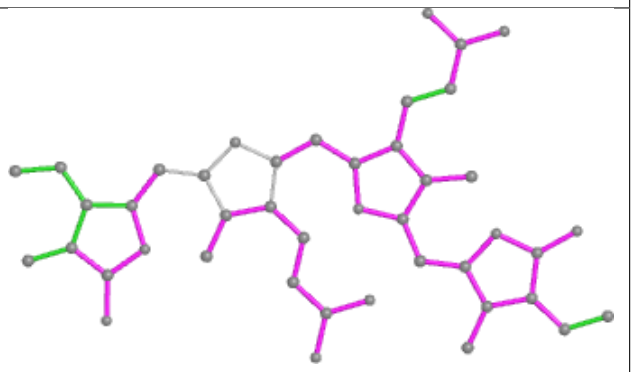

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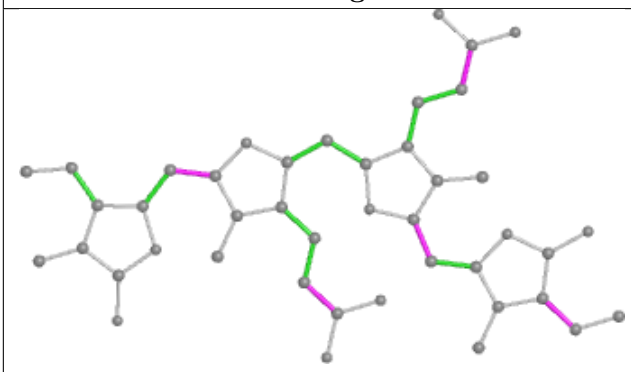

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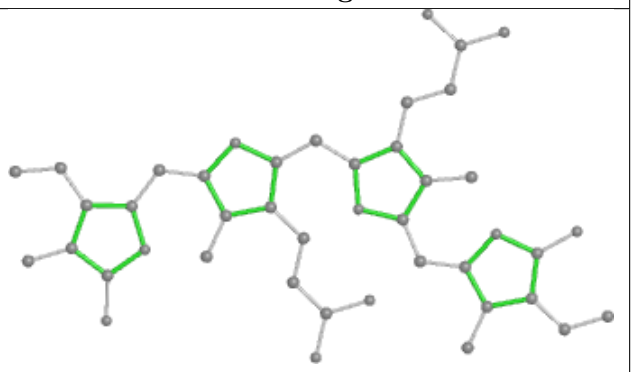
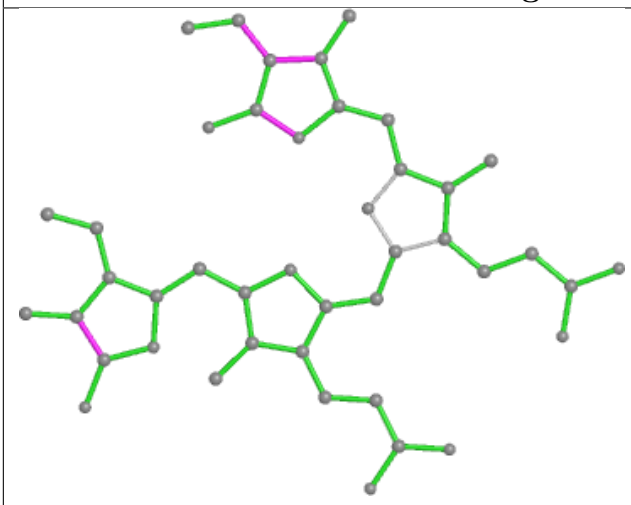


Rings

Ligand PEB I9 201



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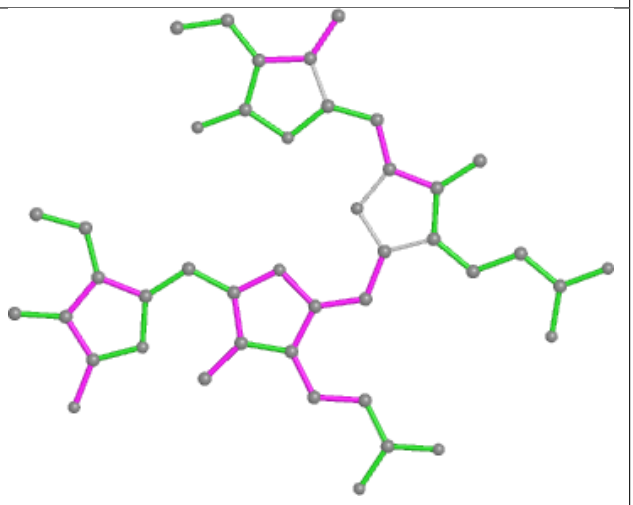

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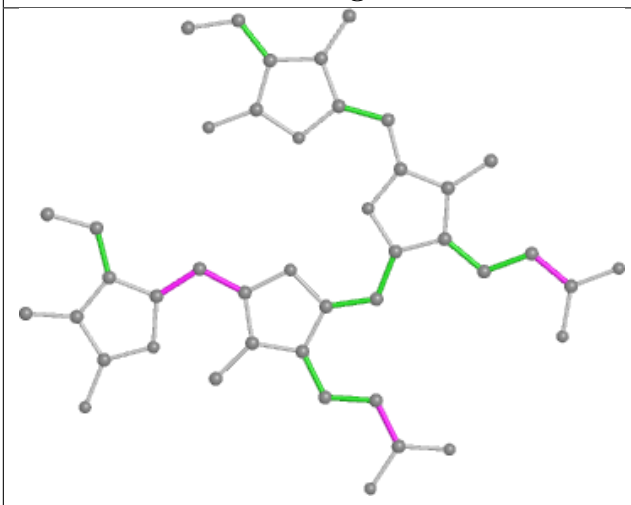

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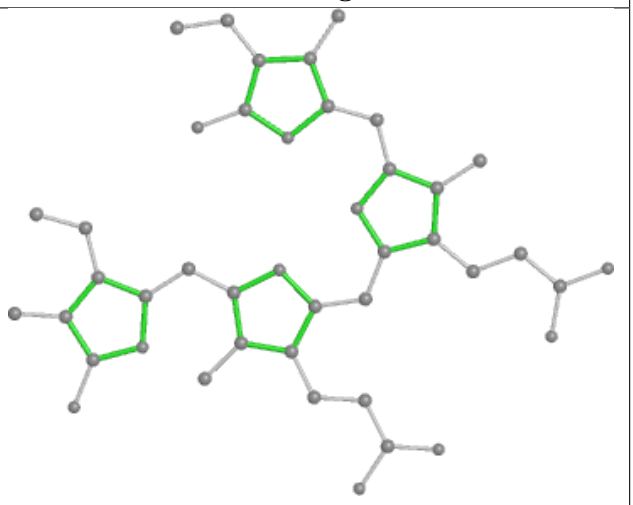
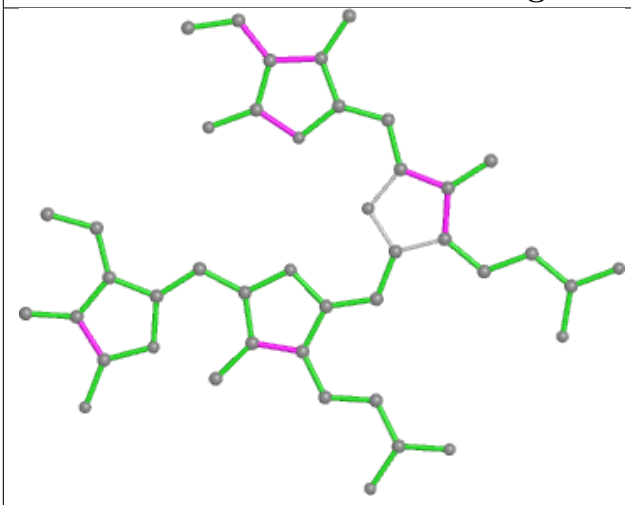


Rings

Ligand PEB ll 202



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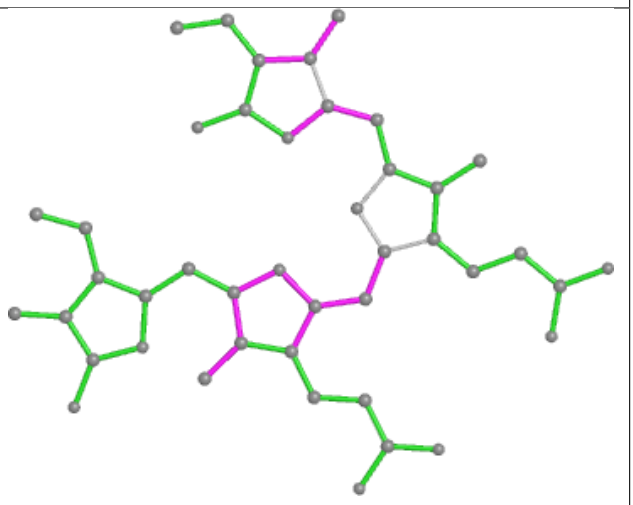

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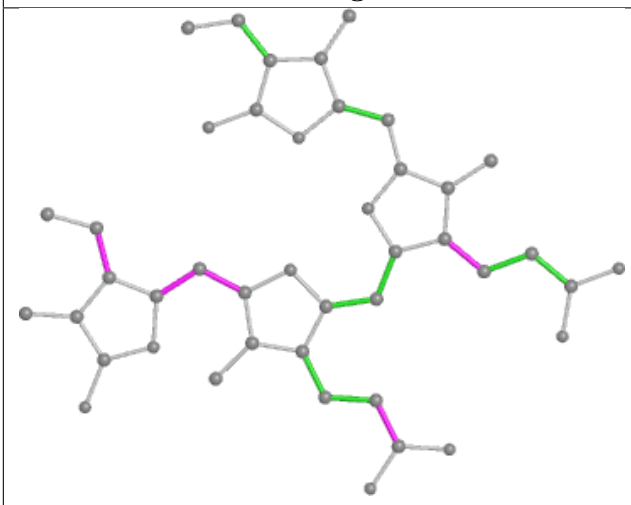
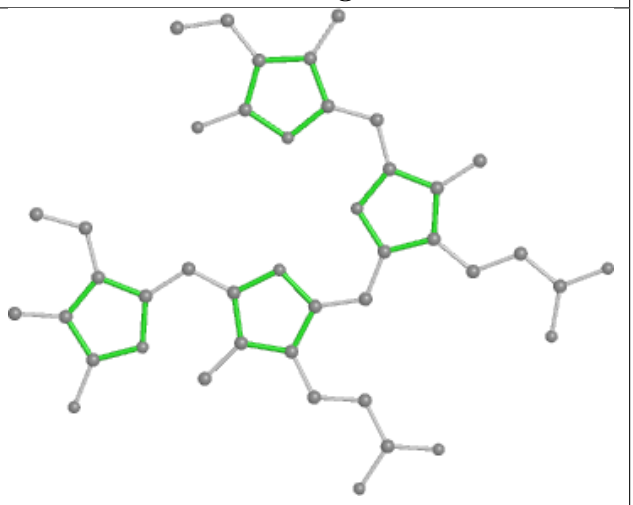
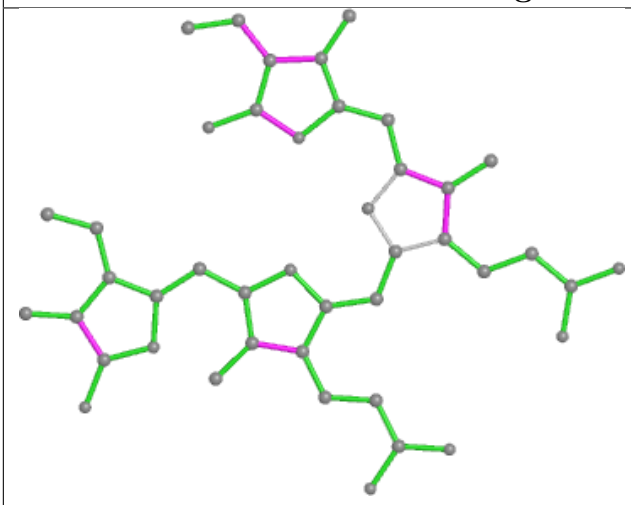


Torsions



Rings

Ligand PEB N3 202



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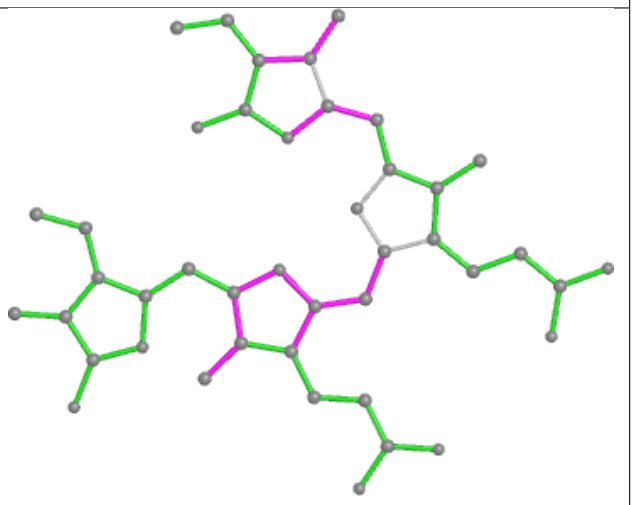

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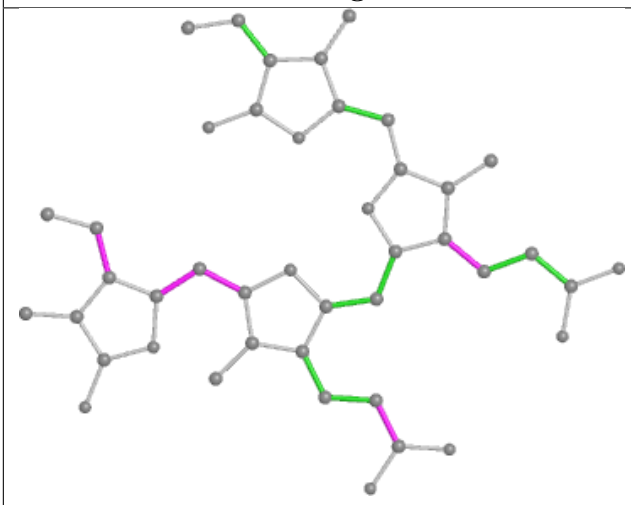

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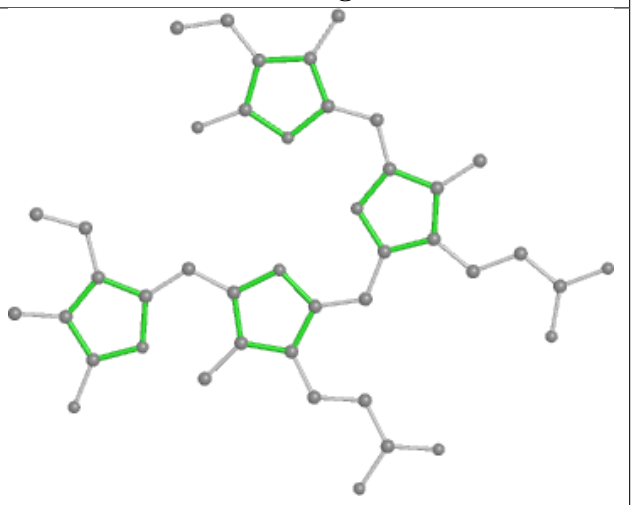
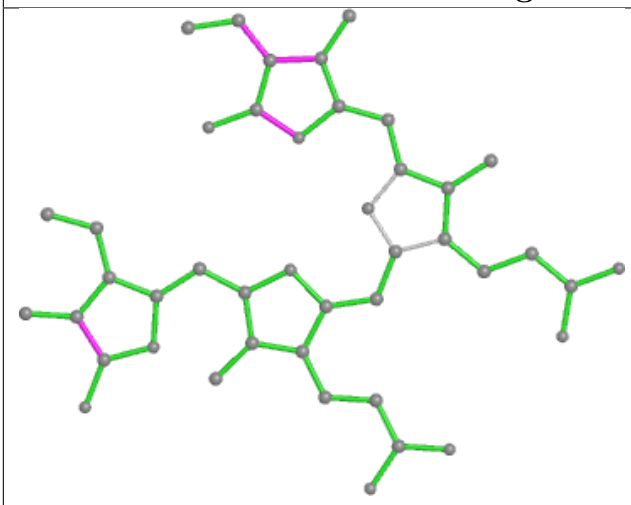


Rings

Ligand PEB gw 201



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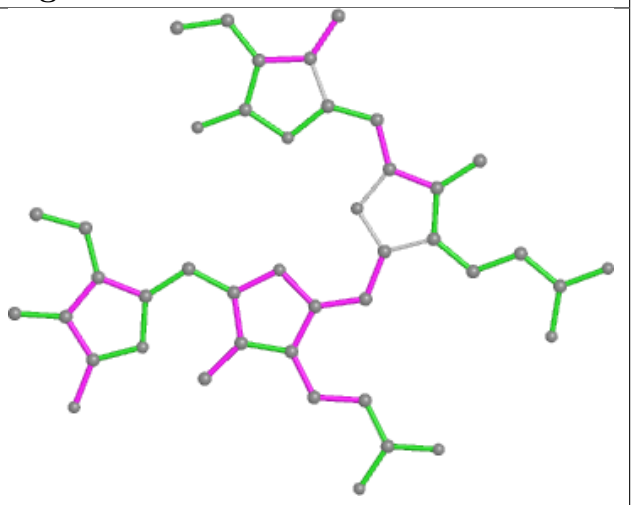

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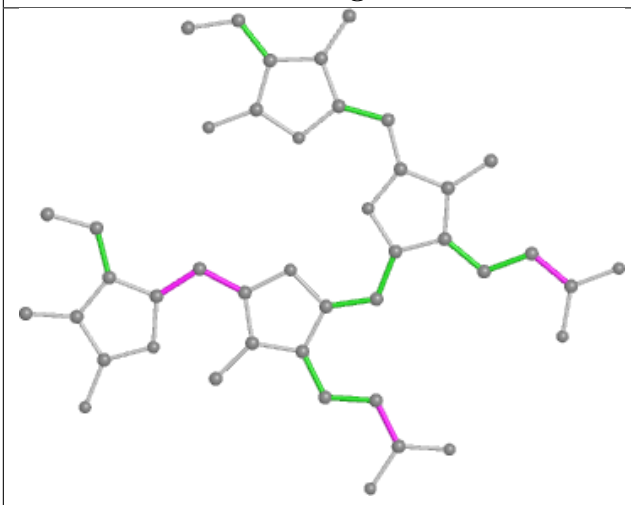

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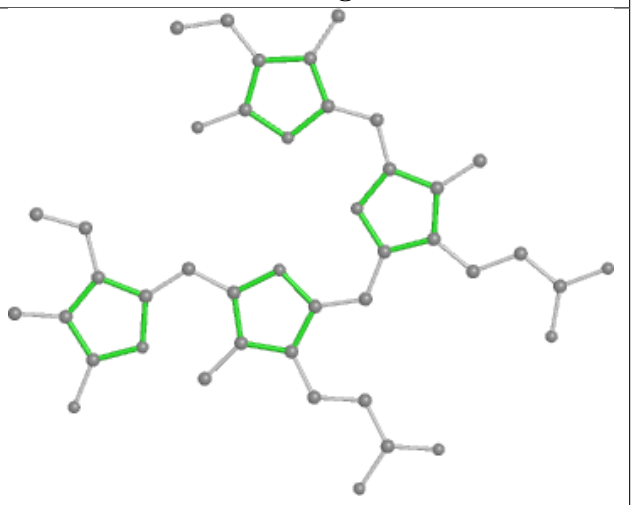
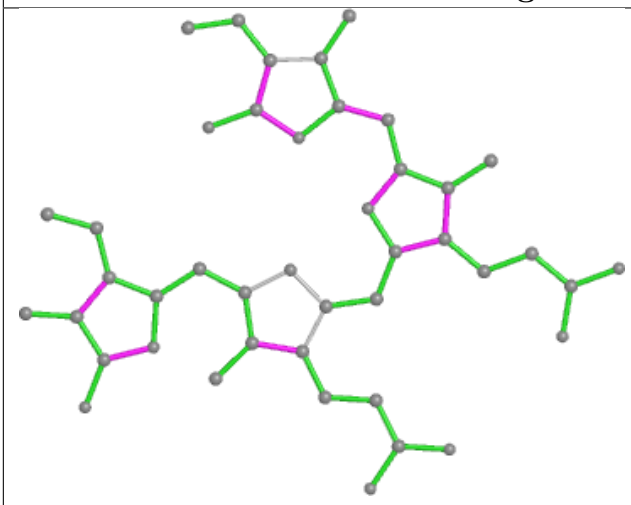


Rings

Ligand PUB J6 203



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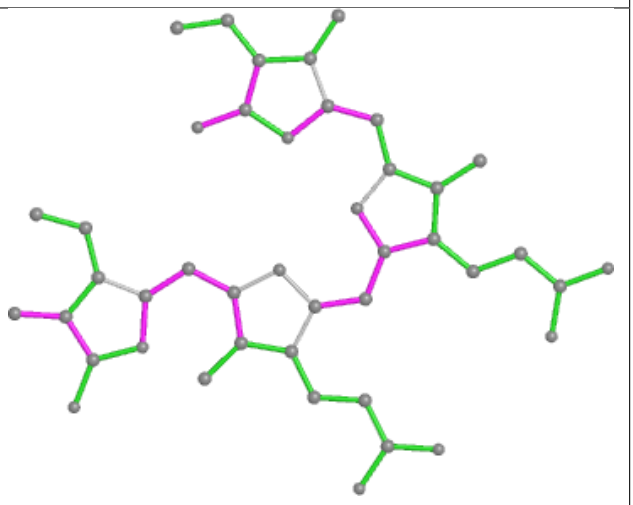

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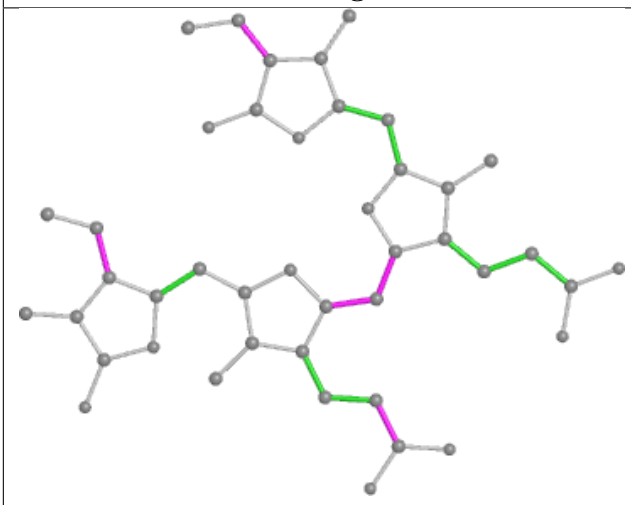

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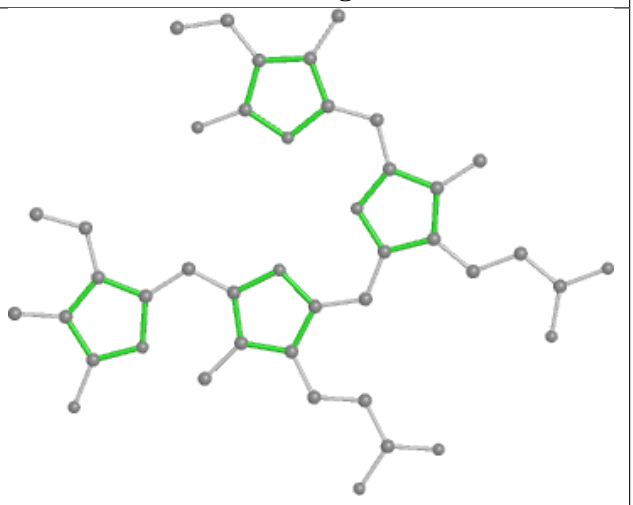
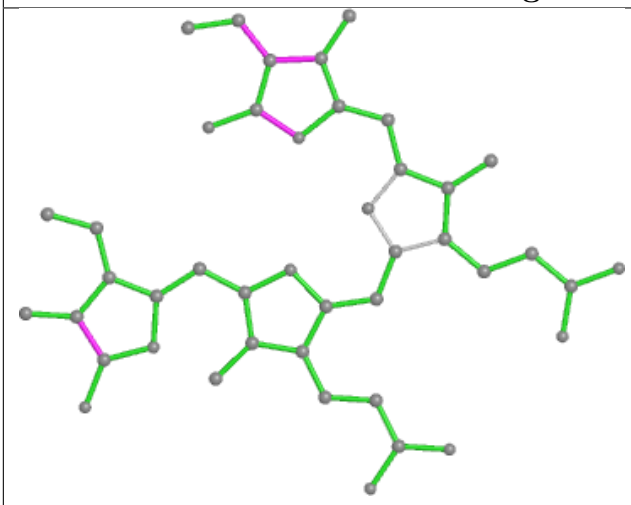


Rings

Ligand PEB dl 201



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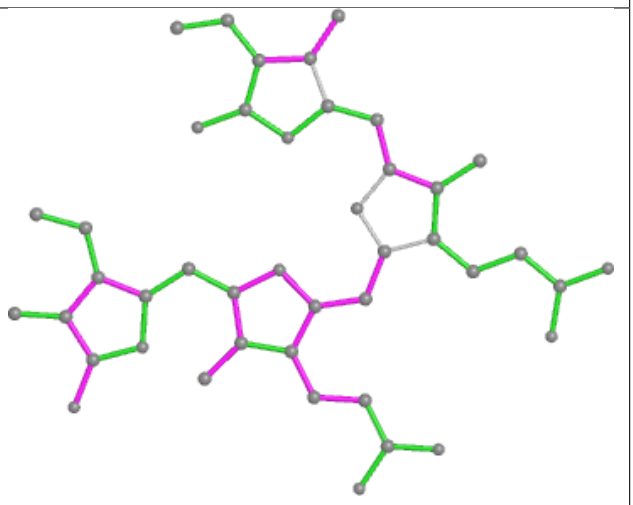

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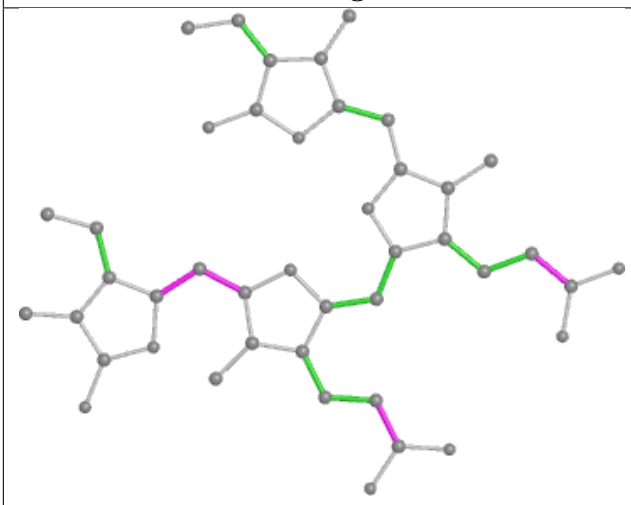

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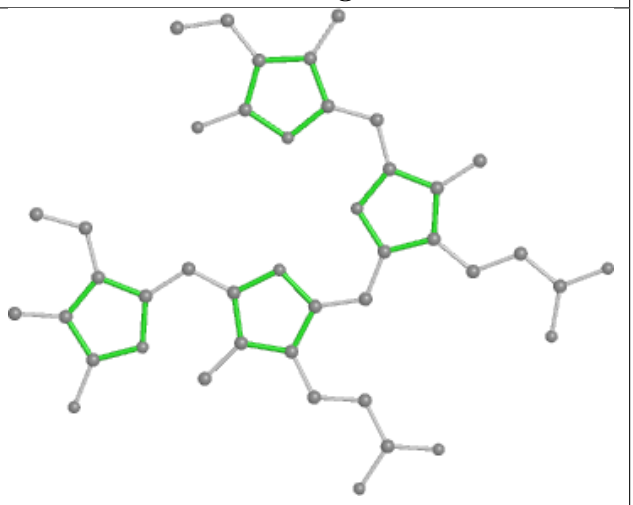
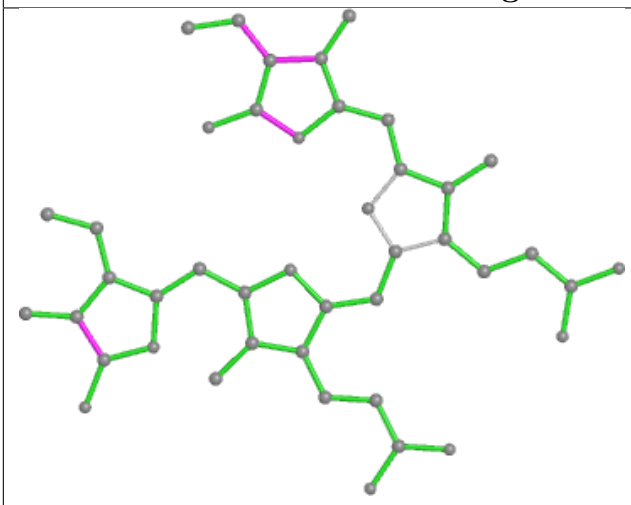


Rings

Ligand PEB dM 1001



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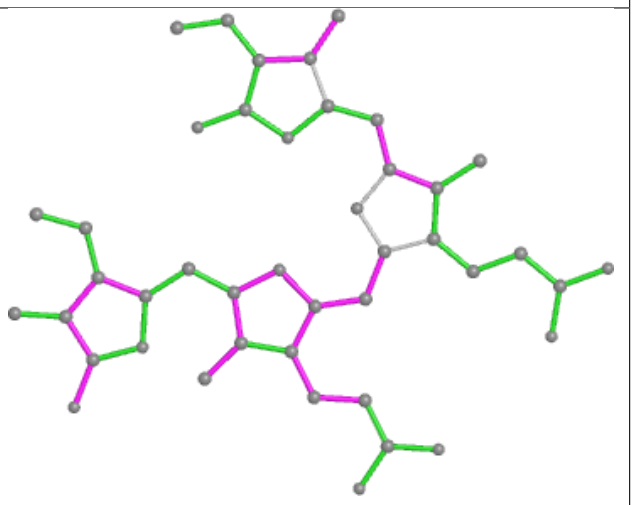

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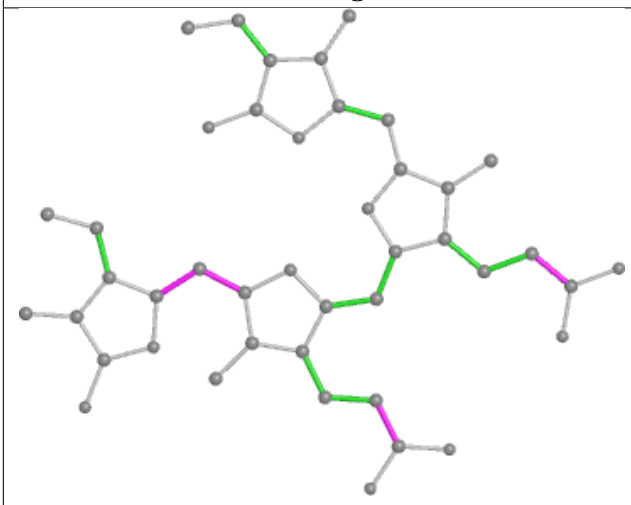

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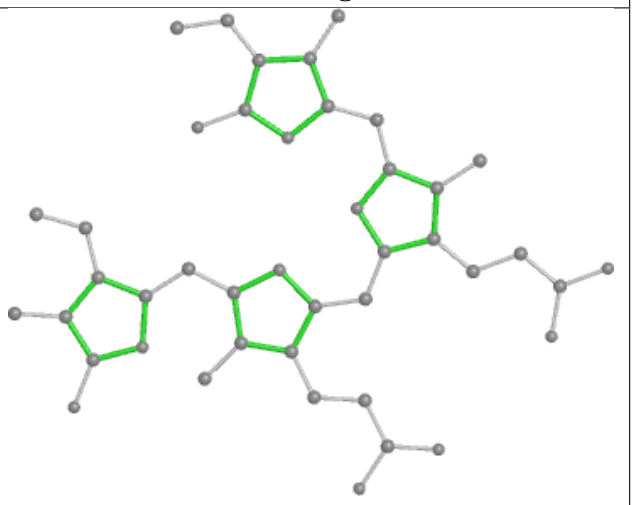

Rings

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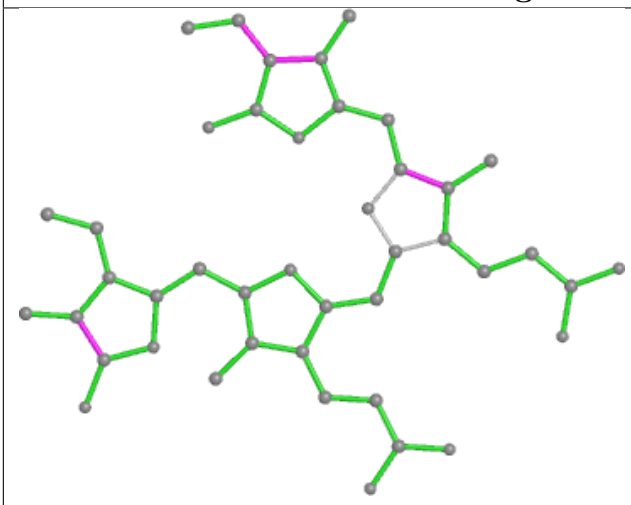

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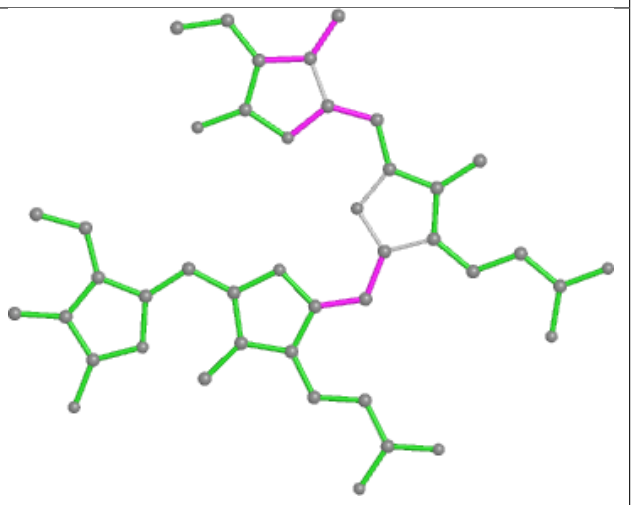

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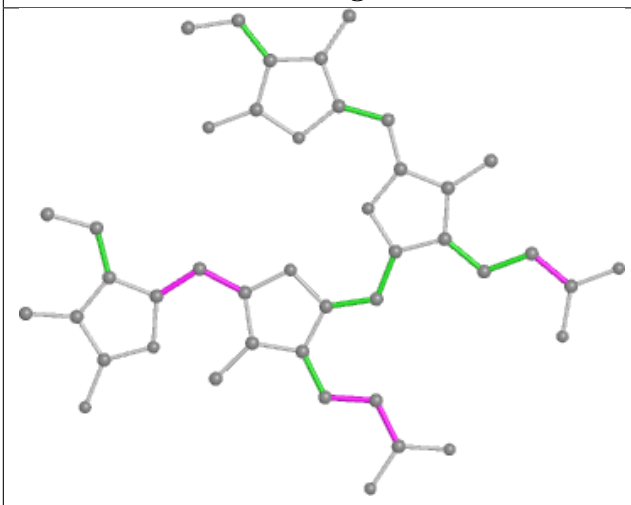

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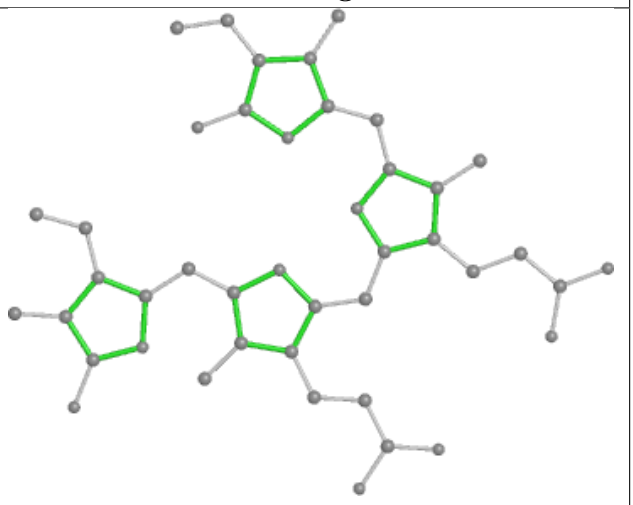
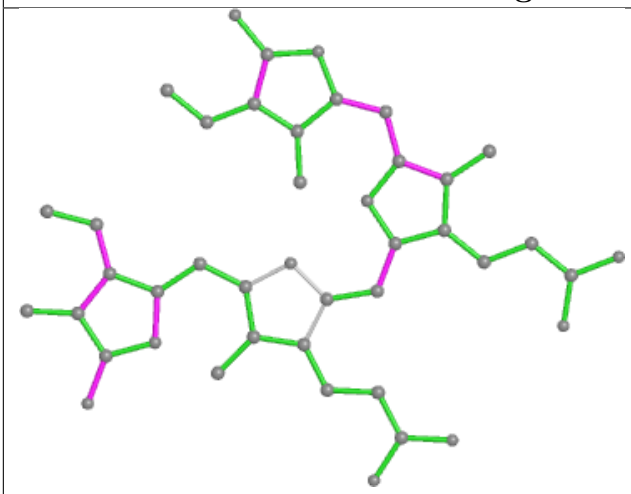


Rings

Ligand PVN aZ 303



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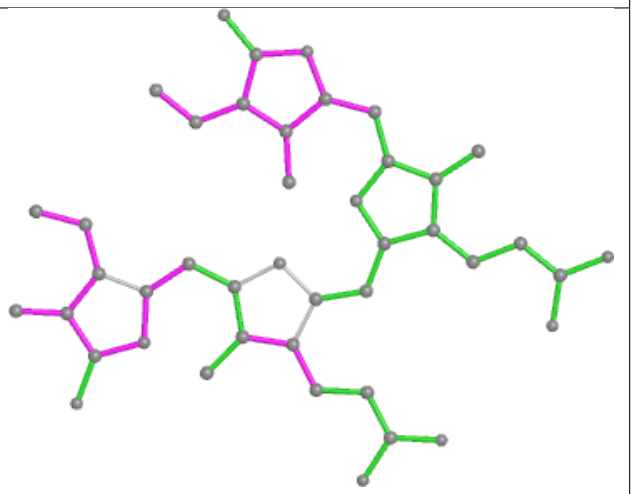

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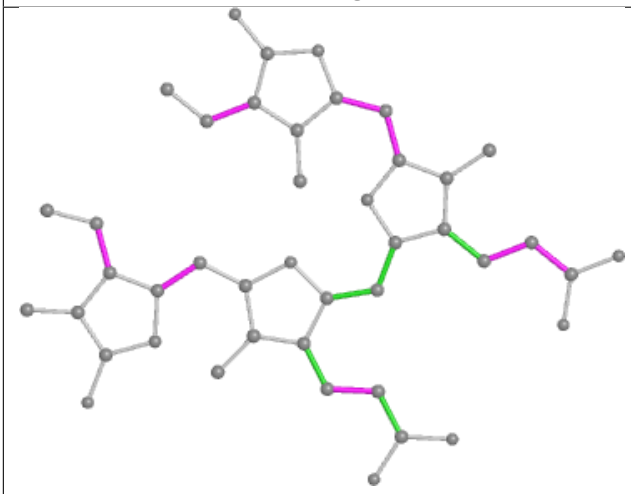

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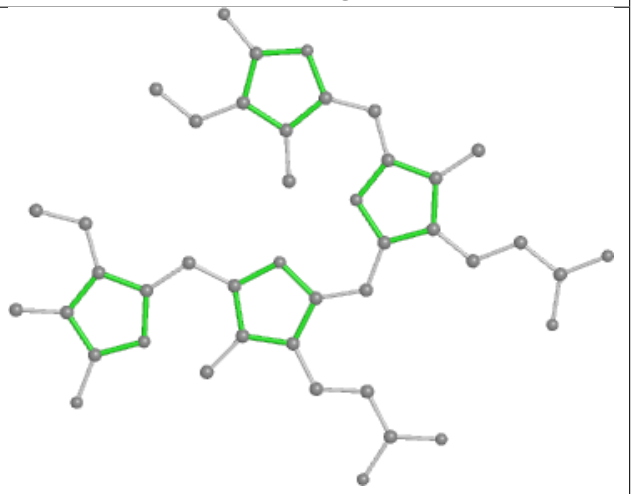
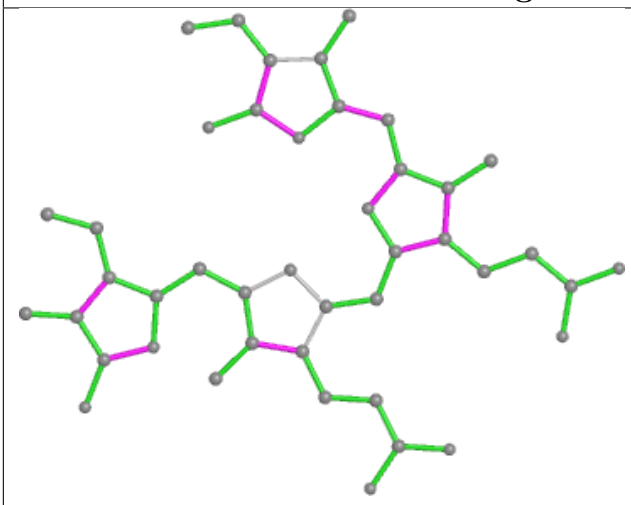


Rings

Ligand PUB F3 203



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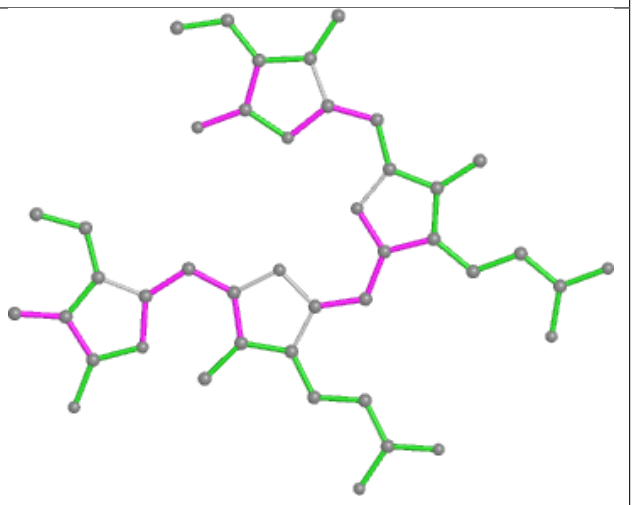

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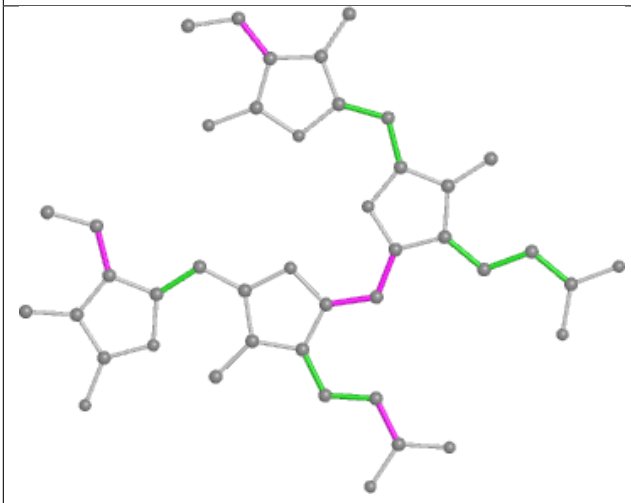

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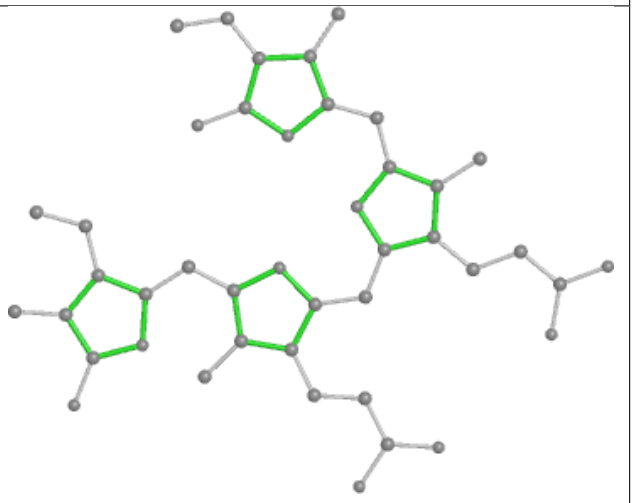

Rings

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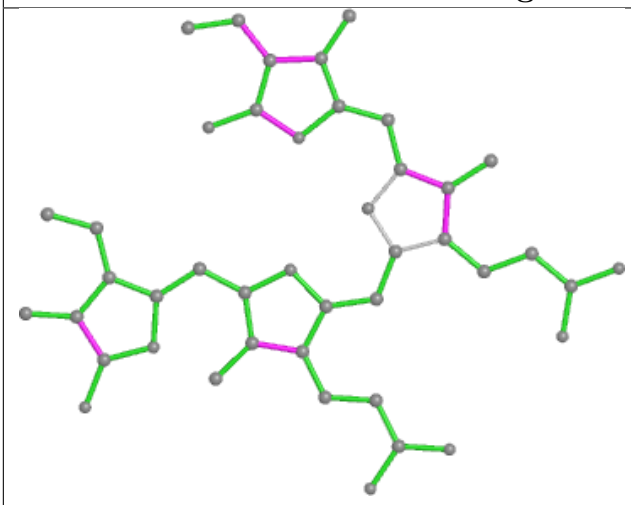

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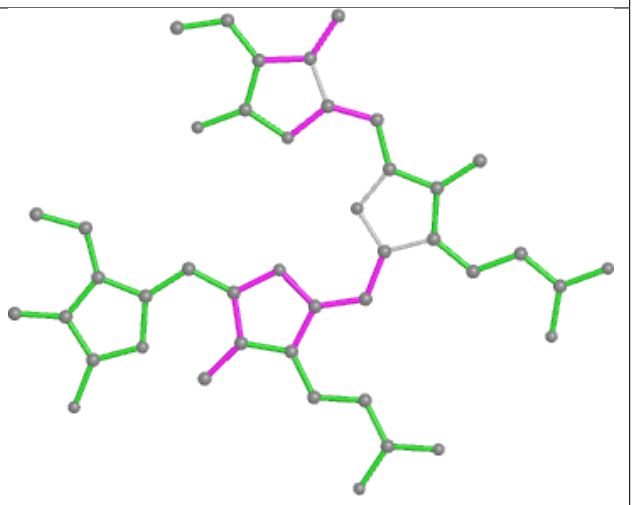

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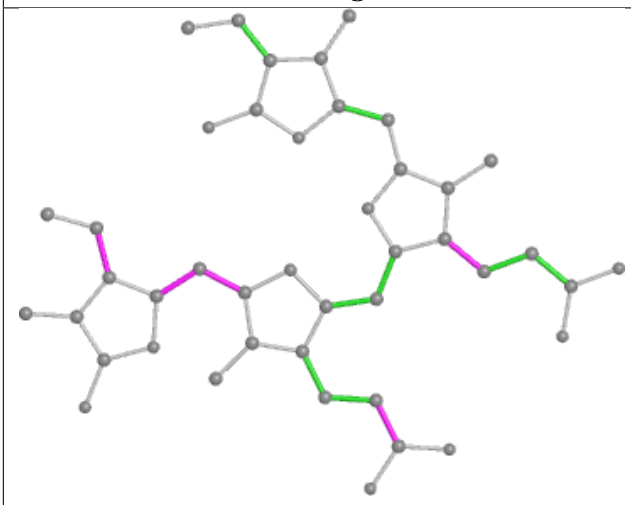

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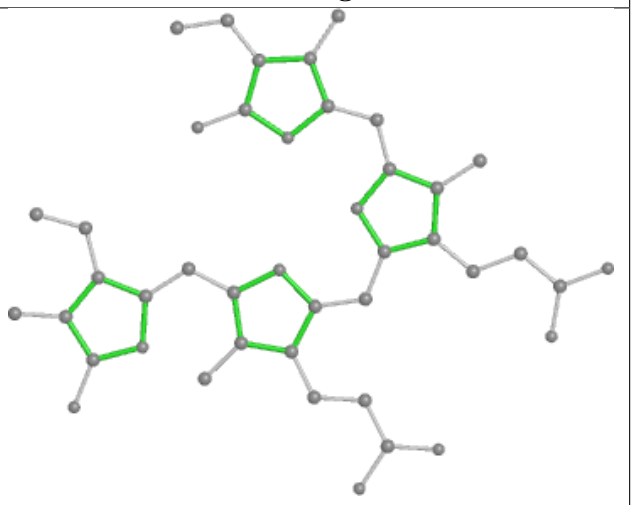
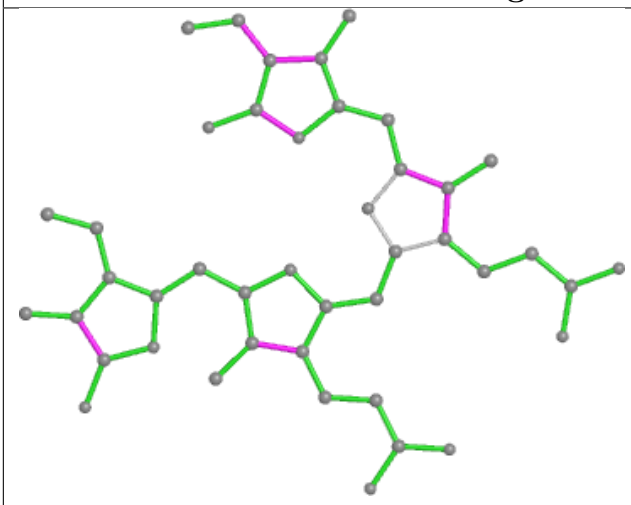


Rings

Ligand PEB kV 1002



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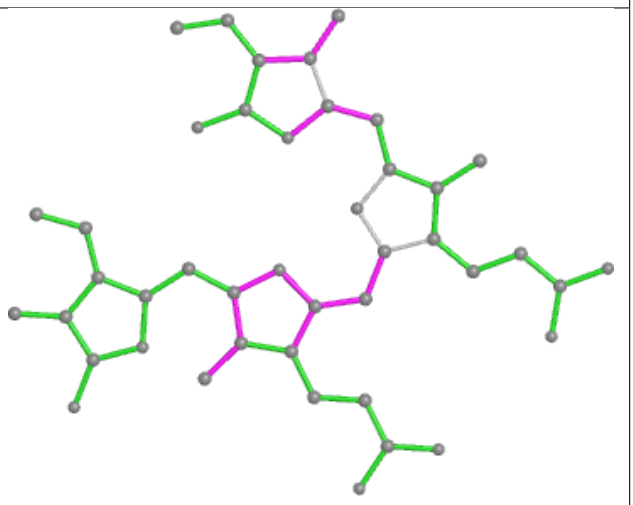

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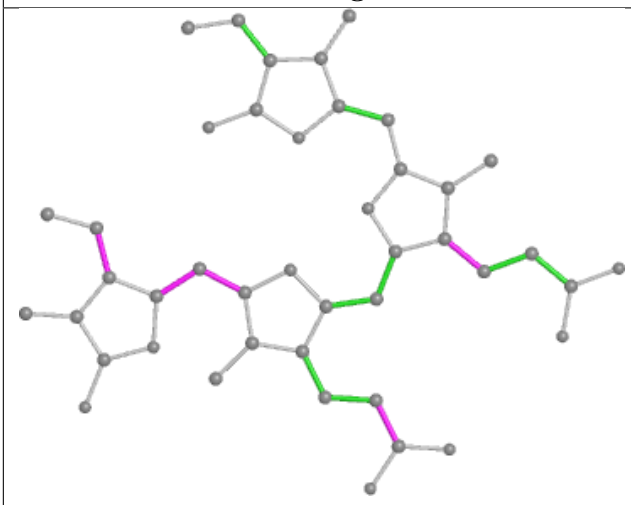

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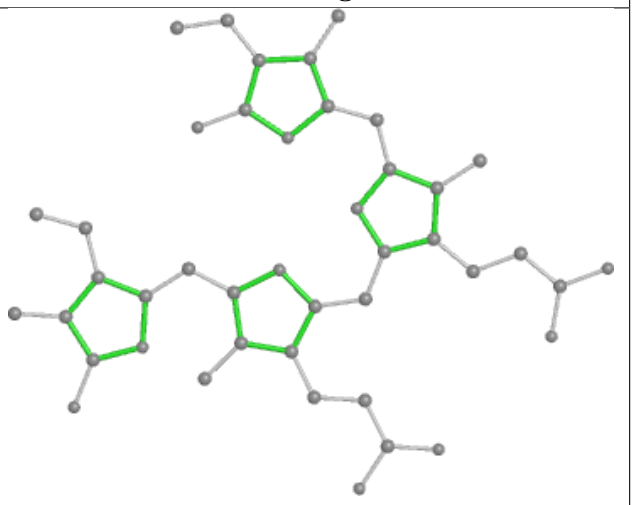
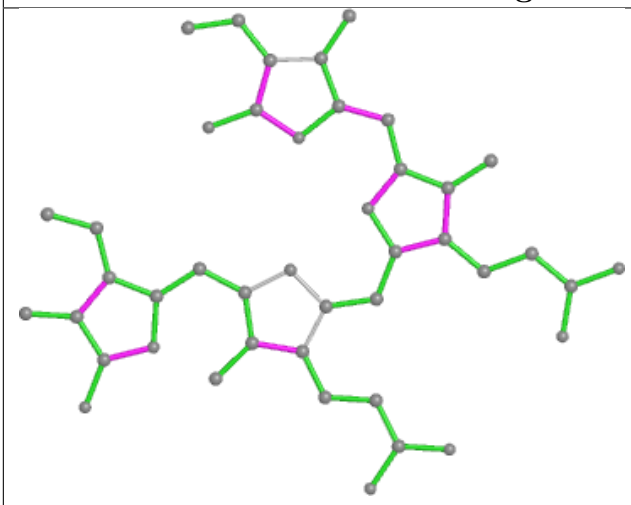


Rings

Ligand PUB eV 203



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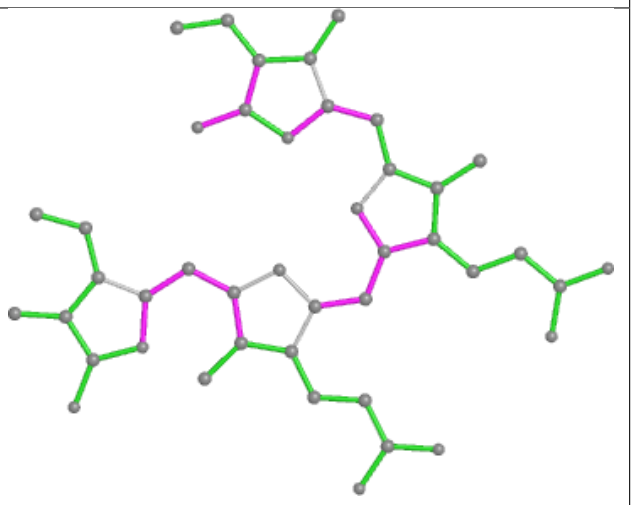

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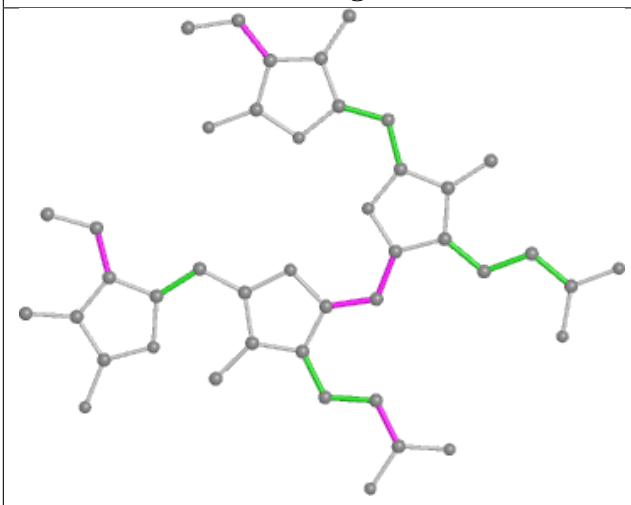

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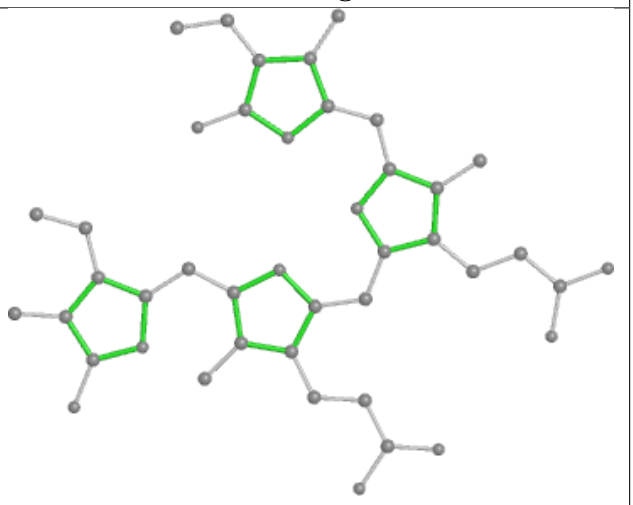
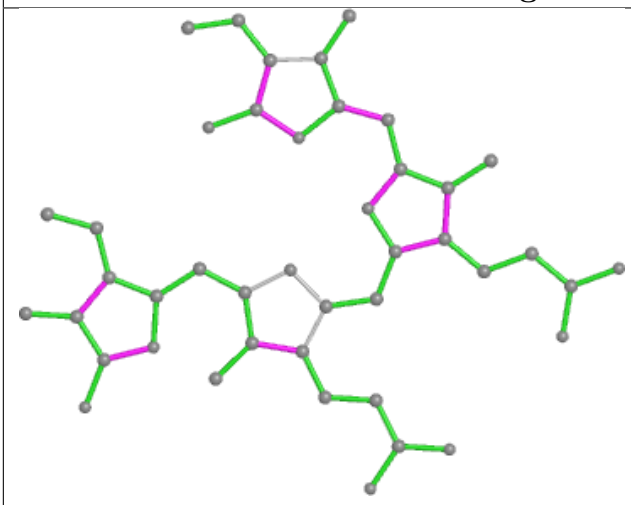


Rings

Ligand PUB t2 203



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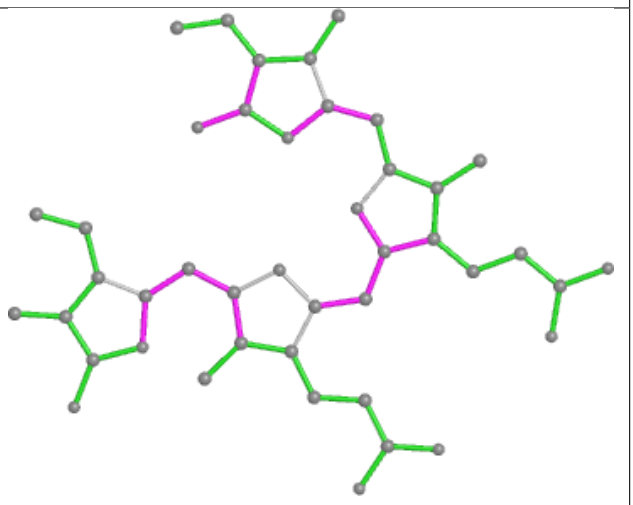

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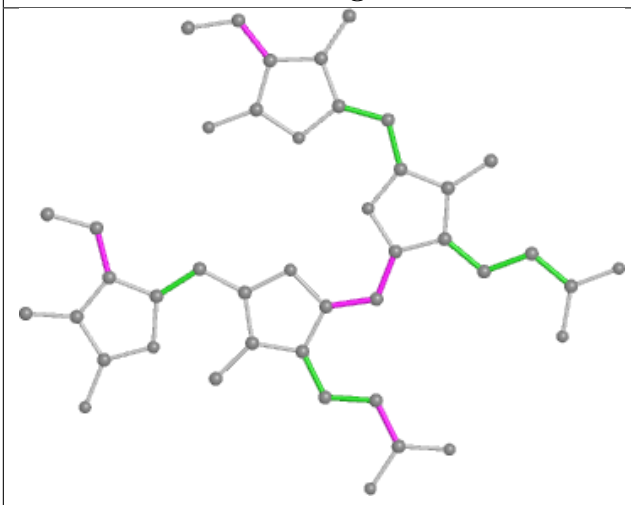

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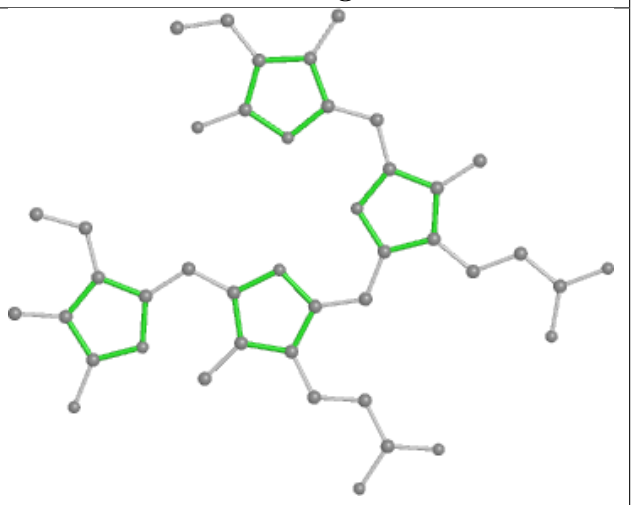
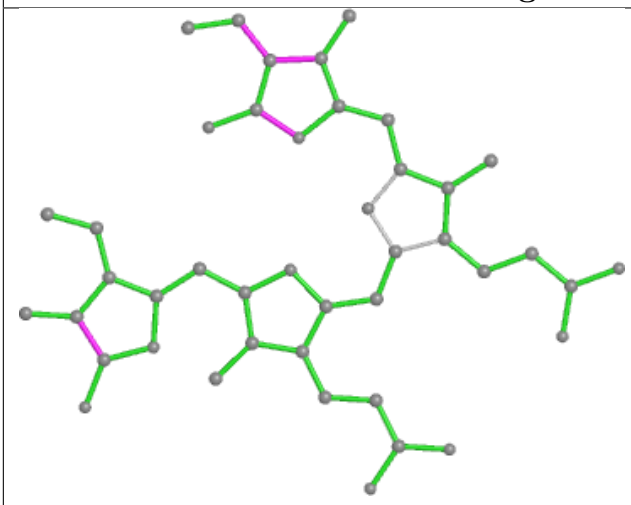


Rings

Ligand PEB b6 202



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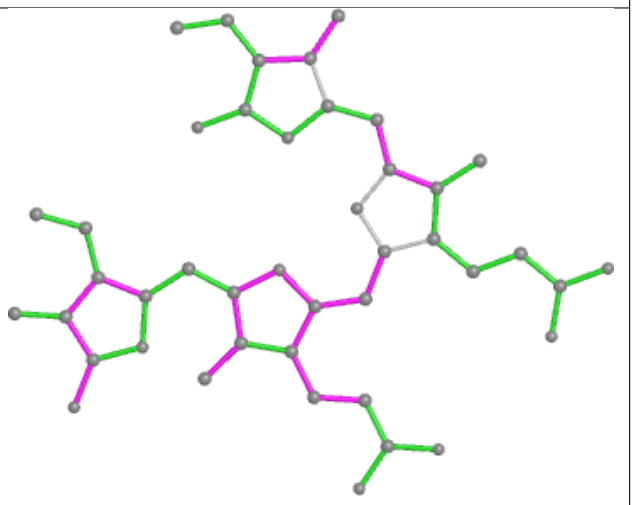
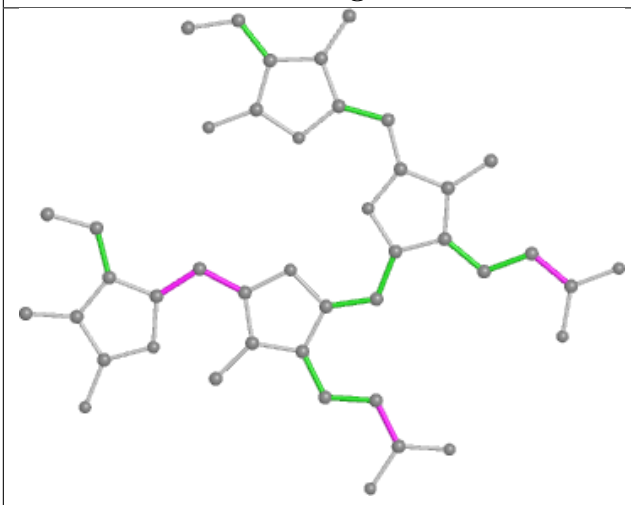


Bond angles



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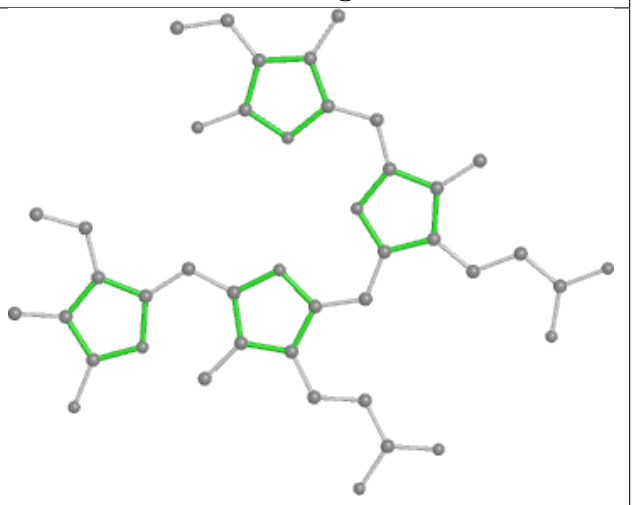
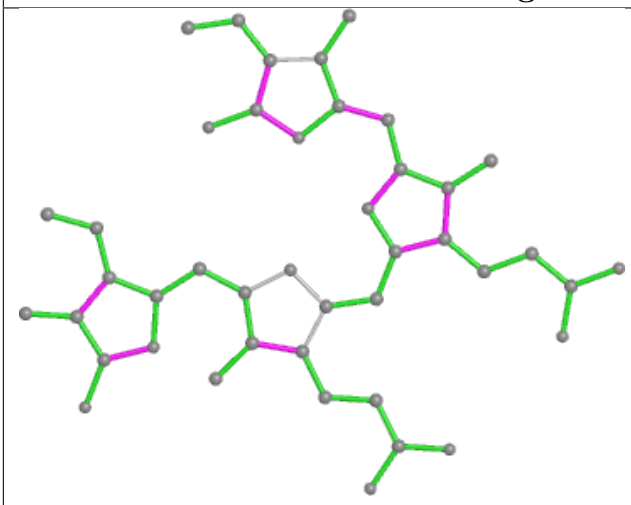


Rings

Ligand PUB ax 202



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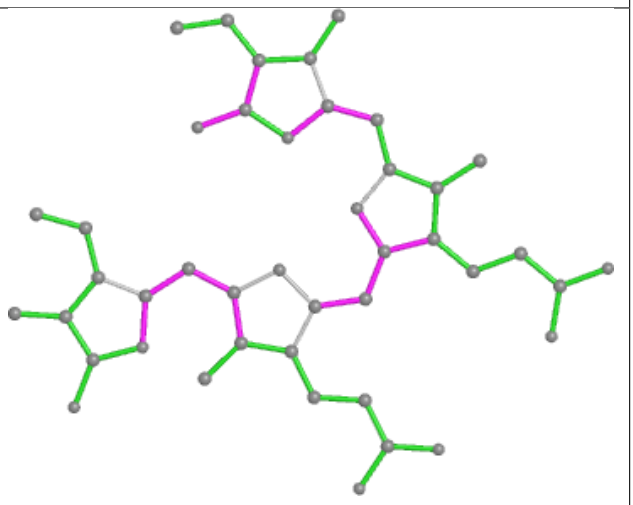

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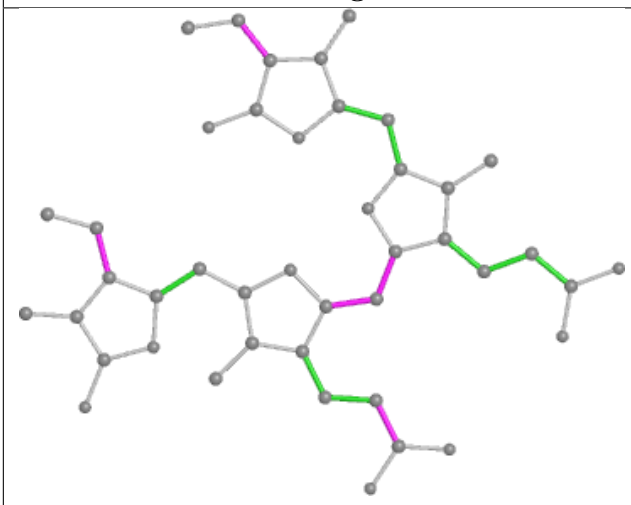
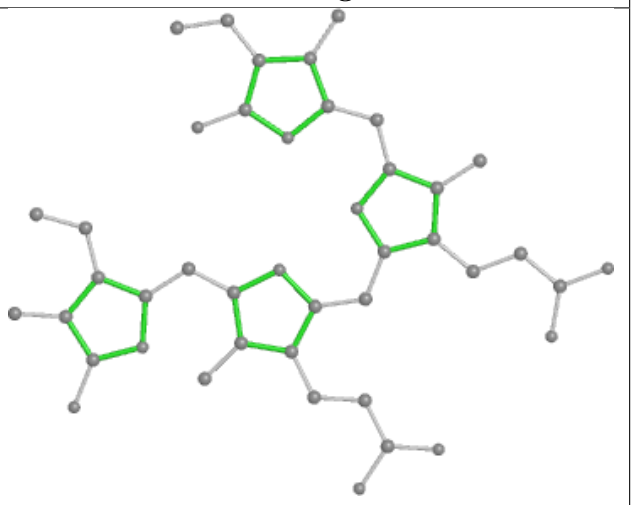
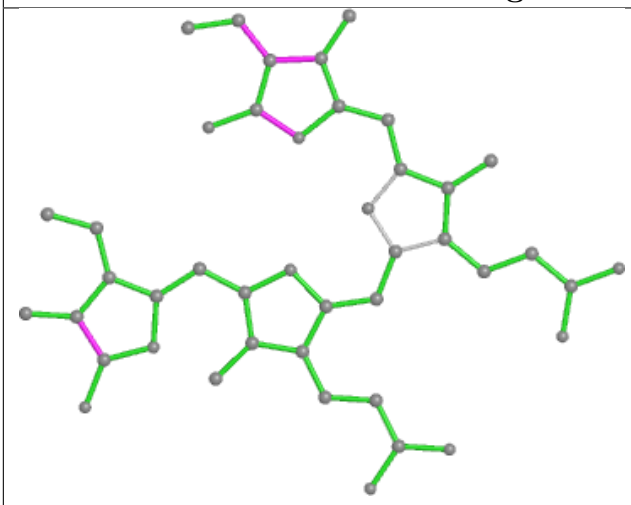


Torsions



Rings

Ligand PEB O4 1001



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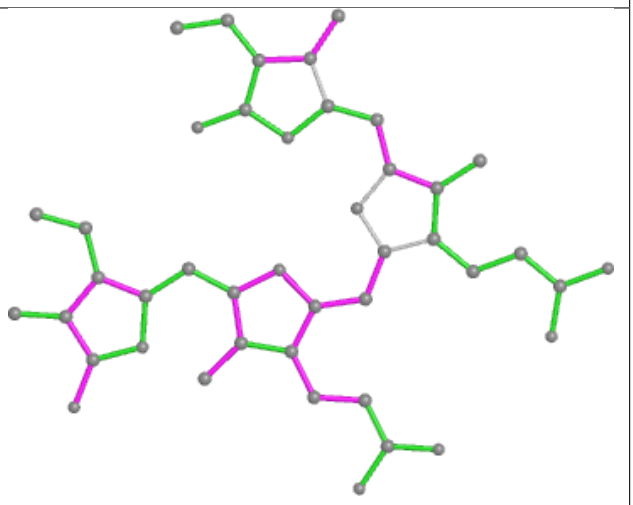

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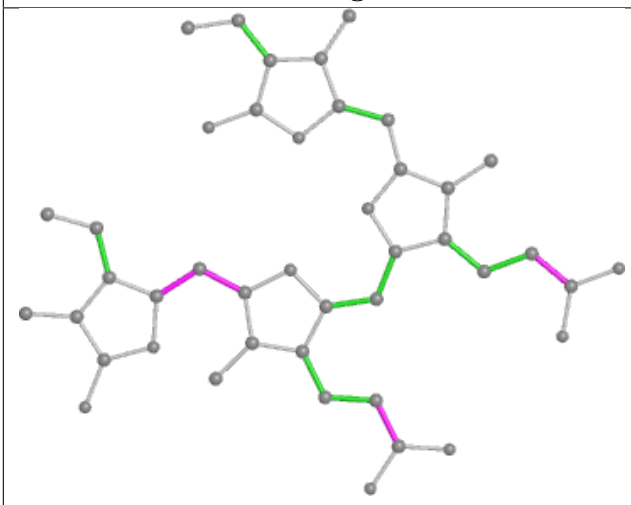

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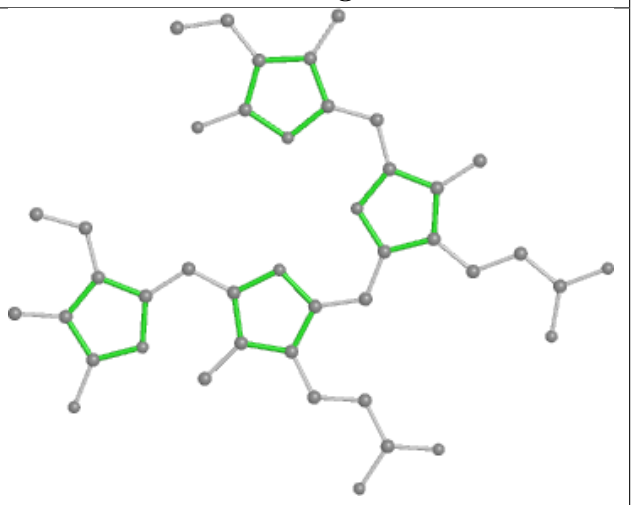
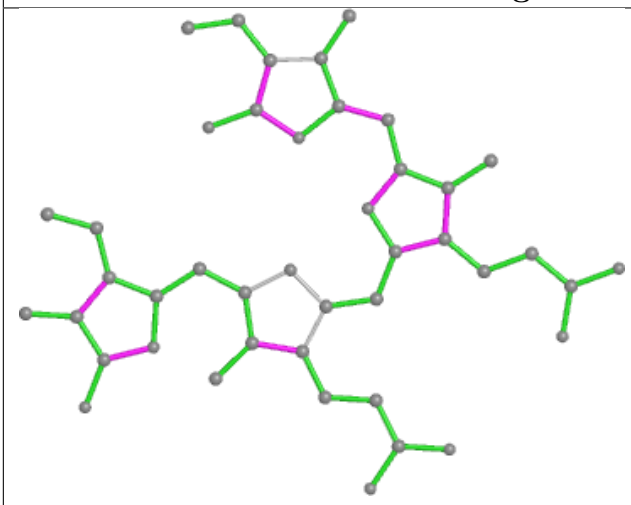


Rings

Ligand PUB K8 203



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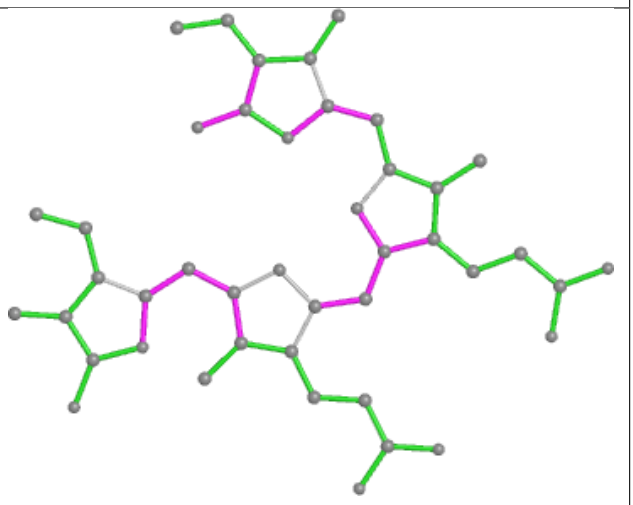

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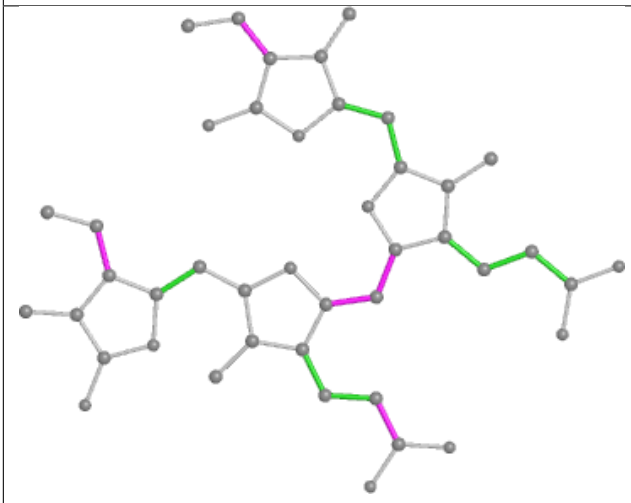

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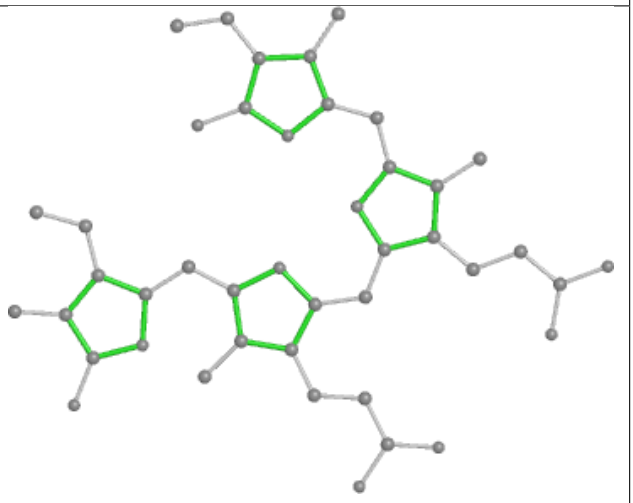

Rings

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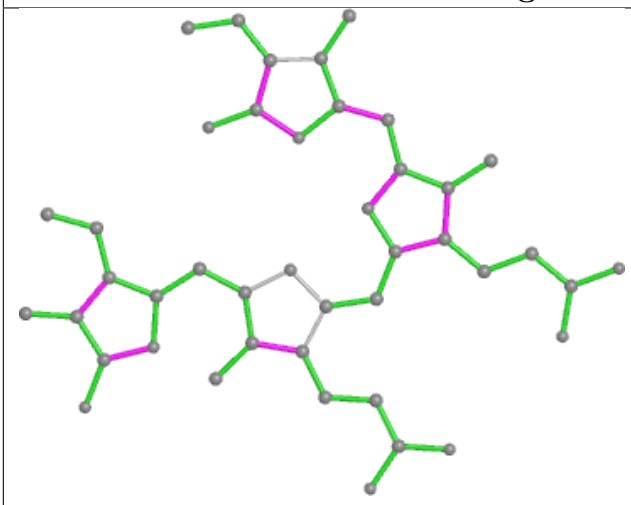

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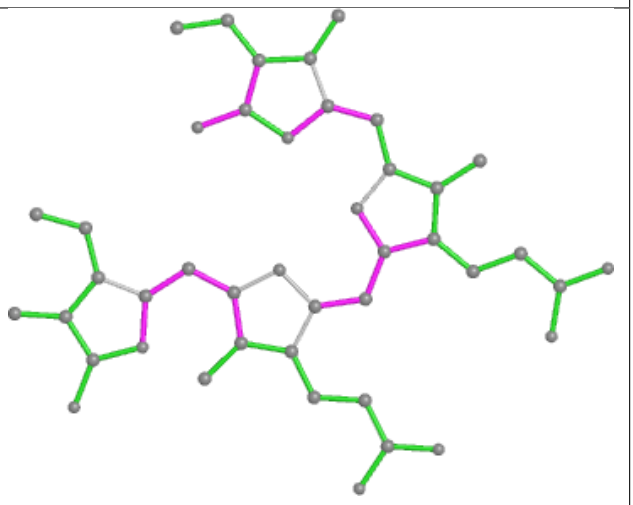

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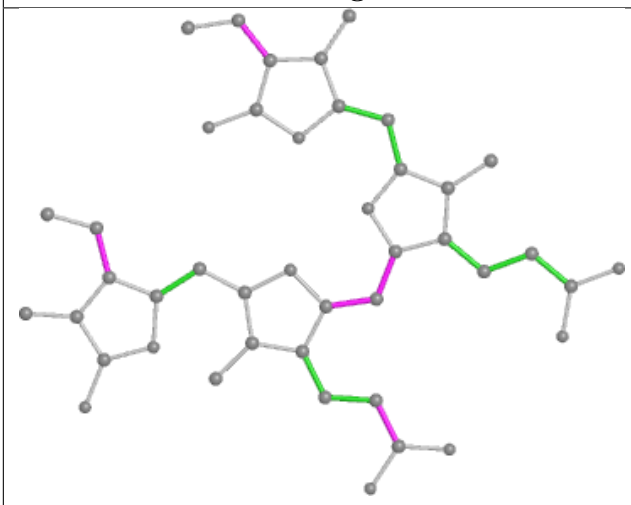

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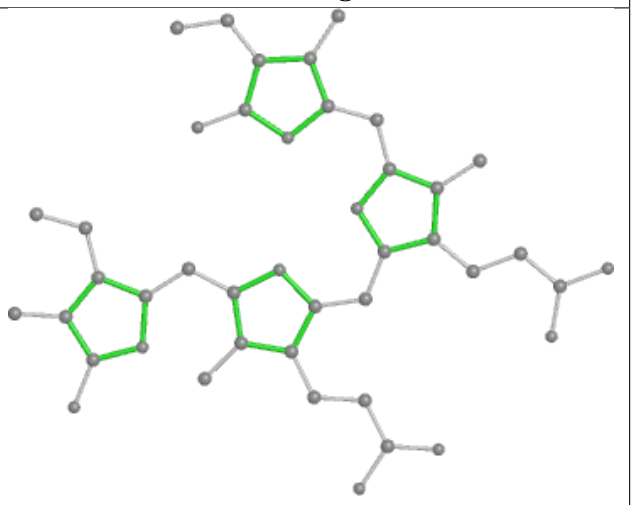

Rings

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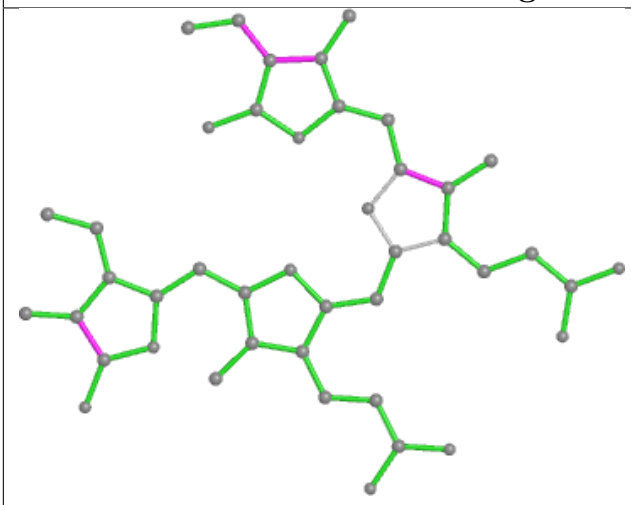

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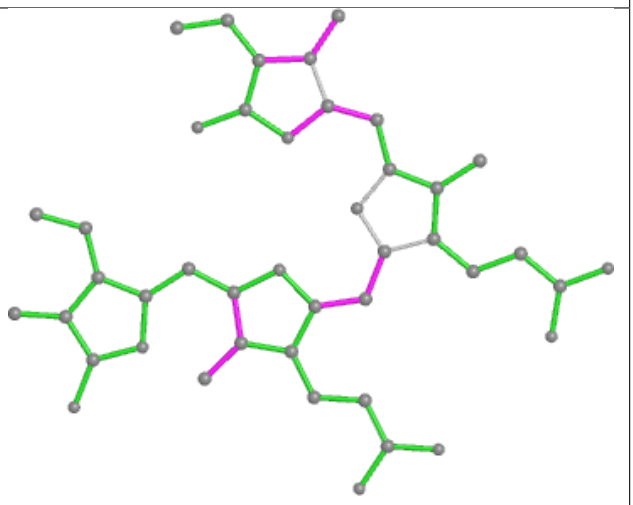

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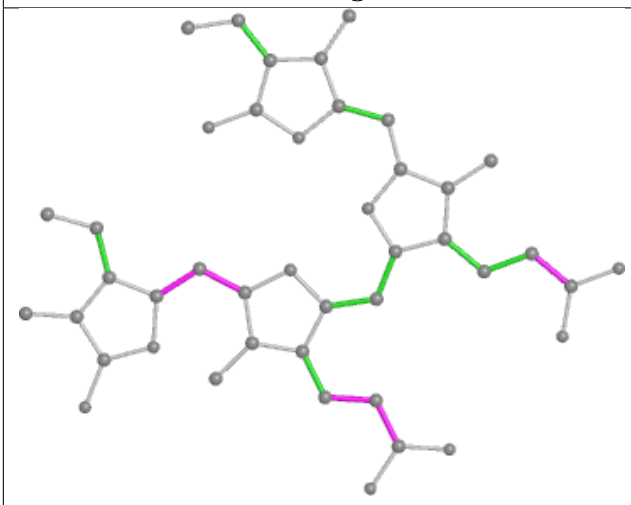

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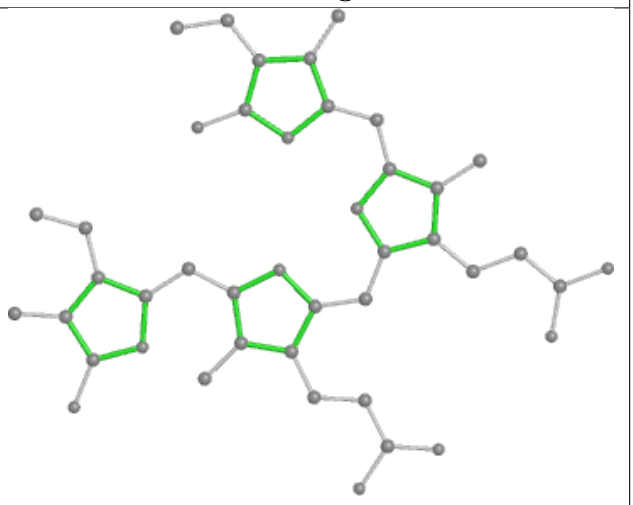

Rings

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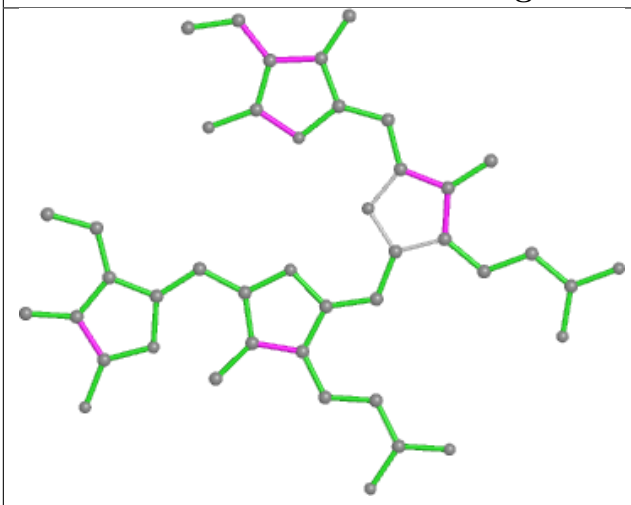

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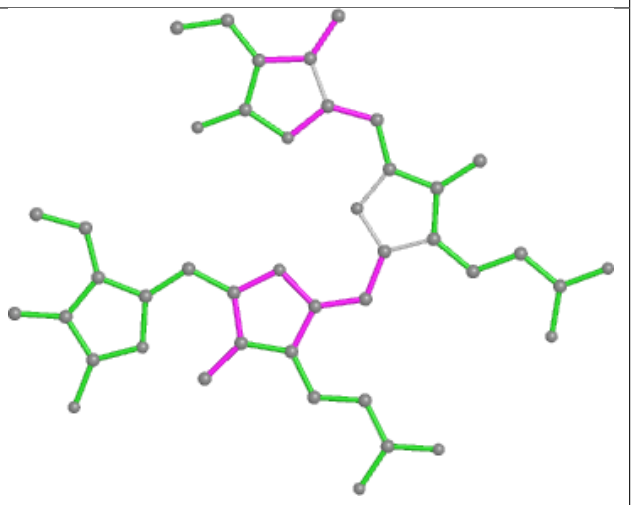

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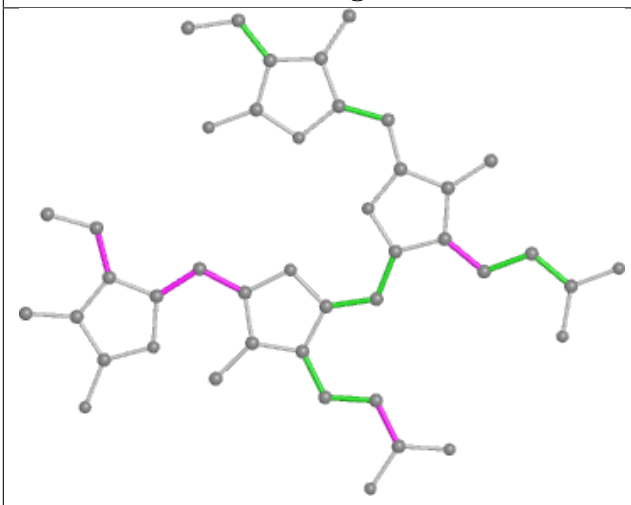

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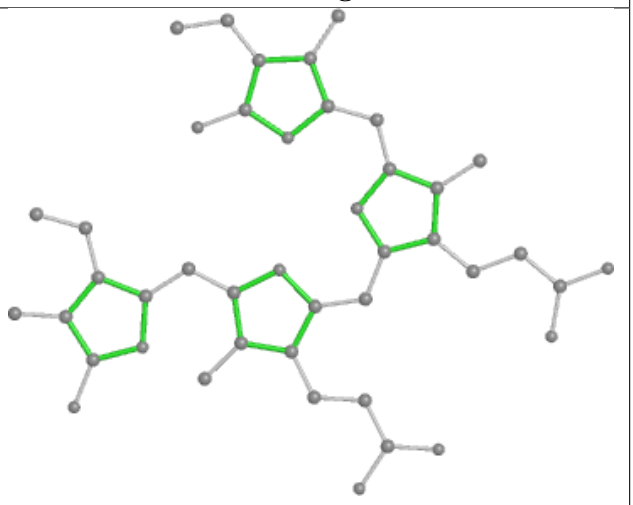

Rings

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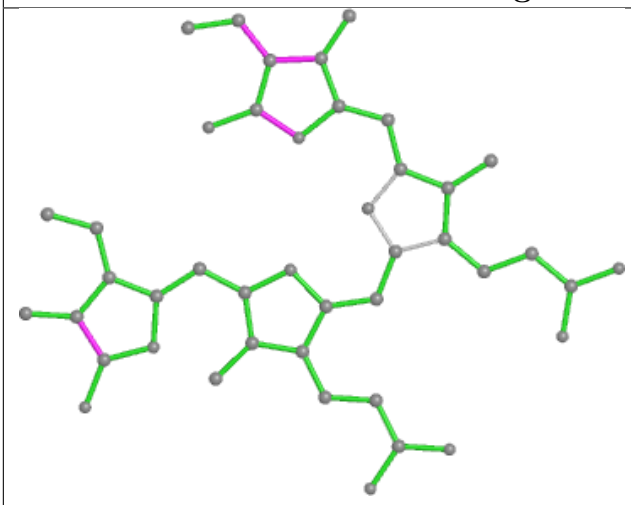

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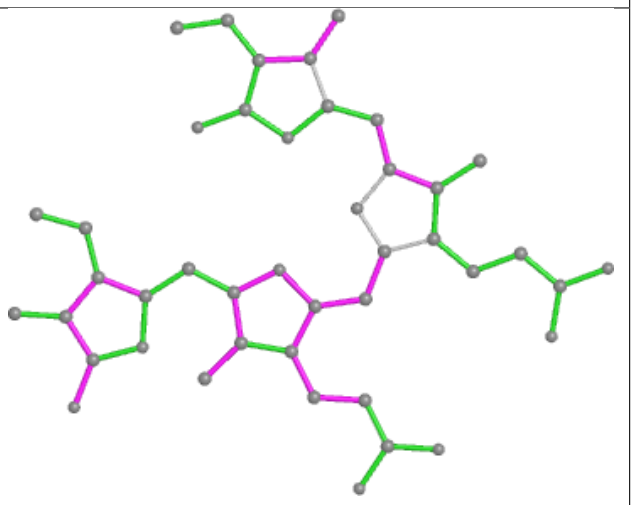

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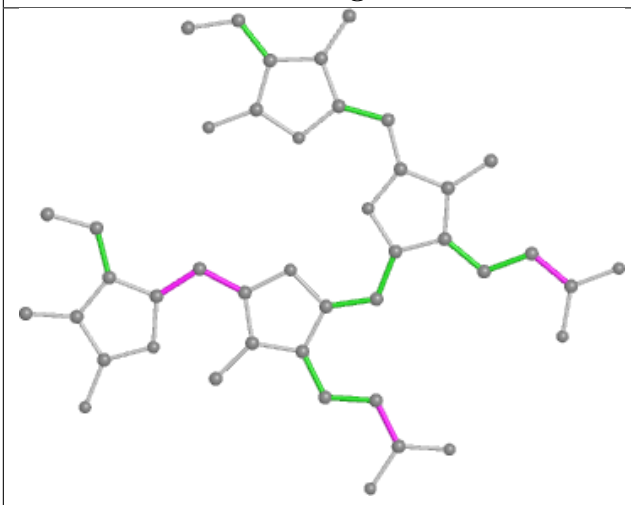

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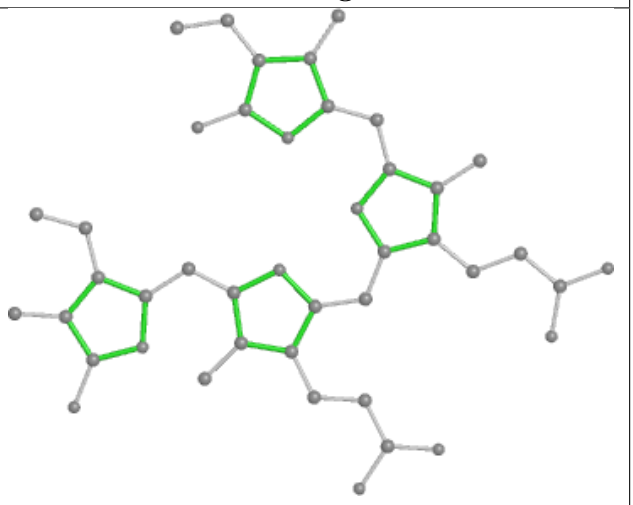
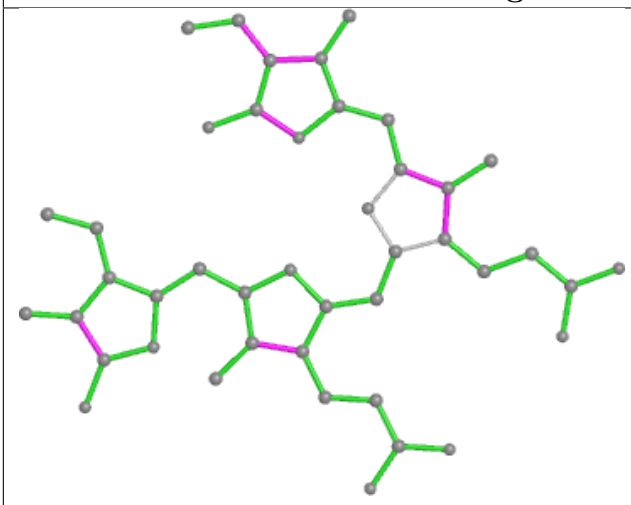


Rings

Ligand PEB Y7 1003



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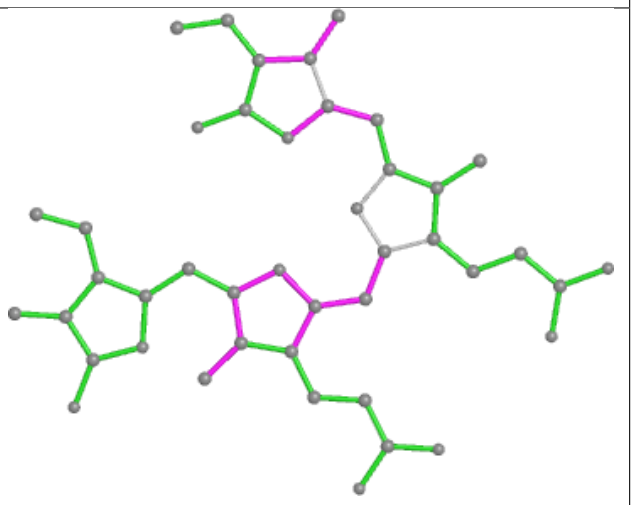

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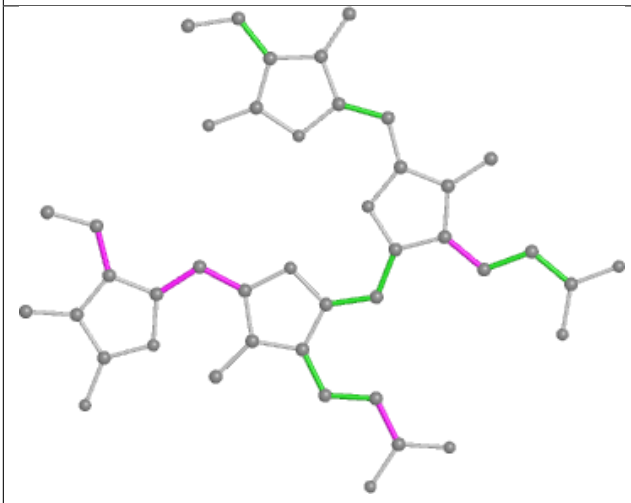

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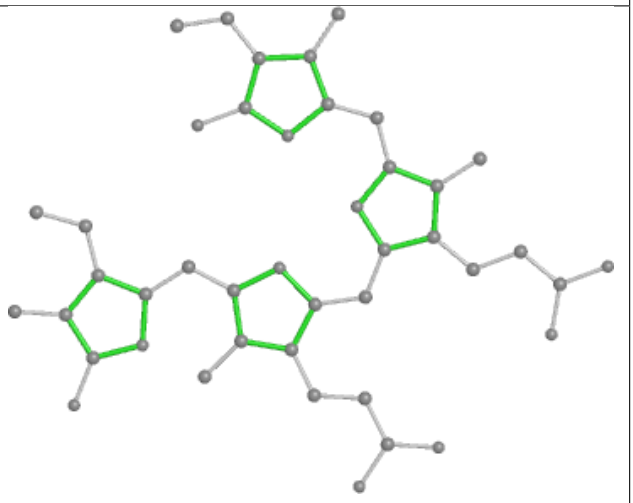

Rings

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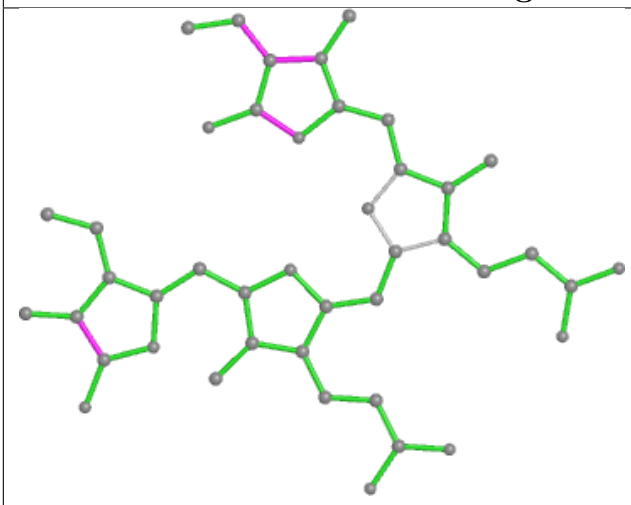

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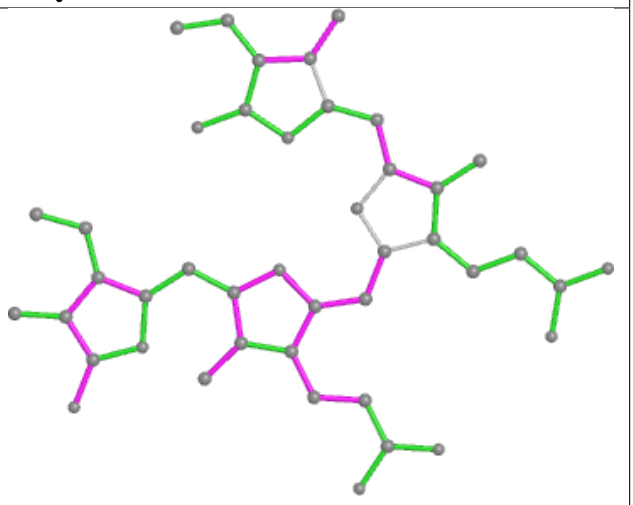

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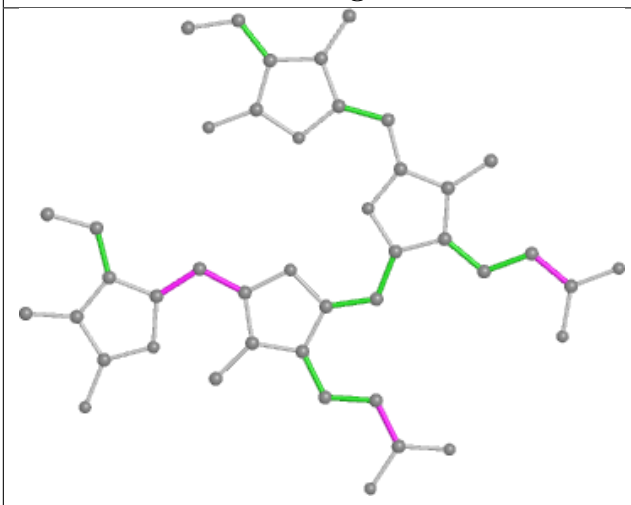

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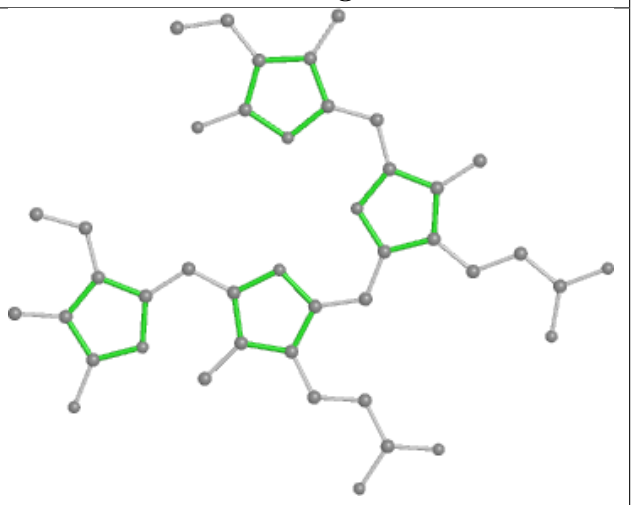

Rings

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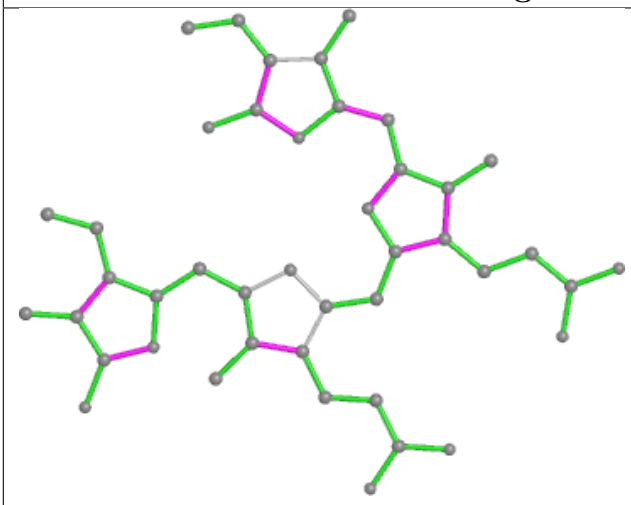

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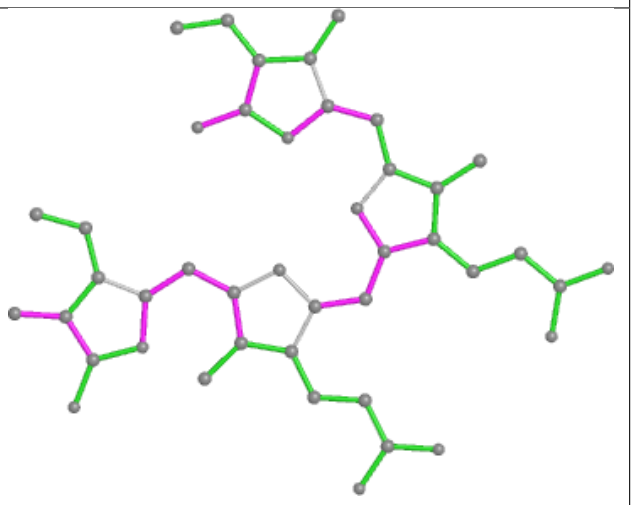

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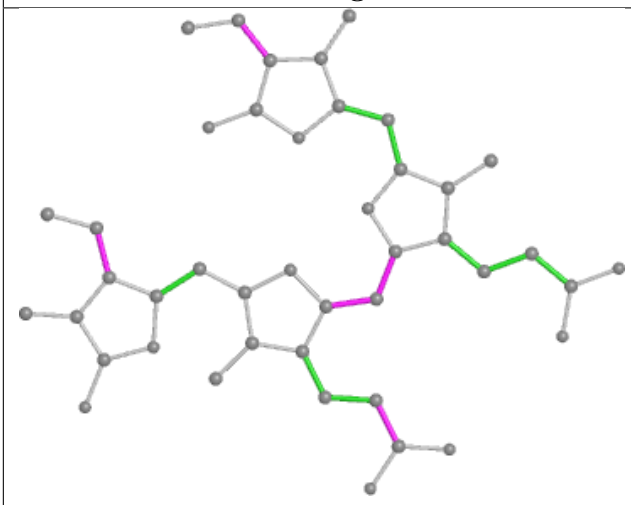

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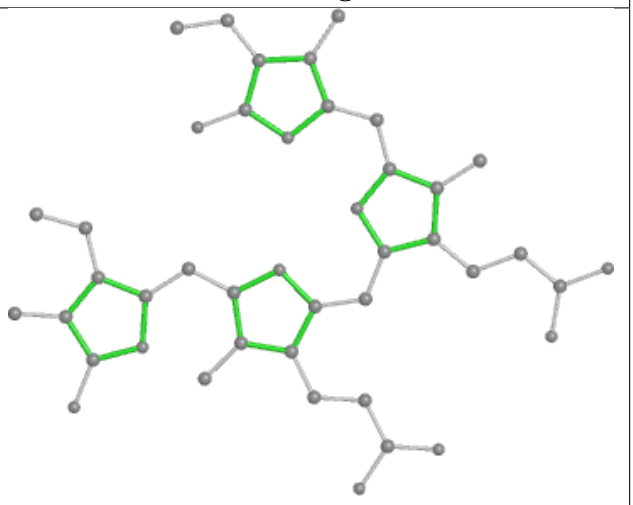

Rings

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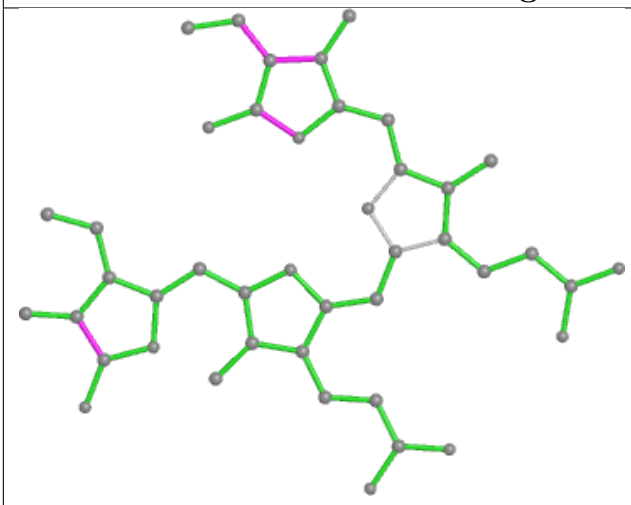

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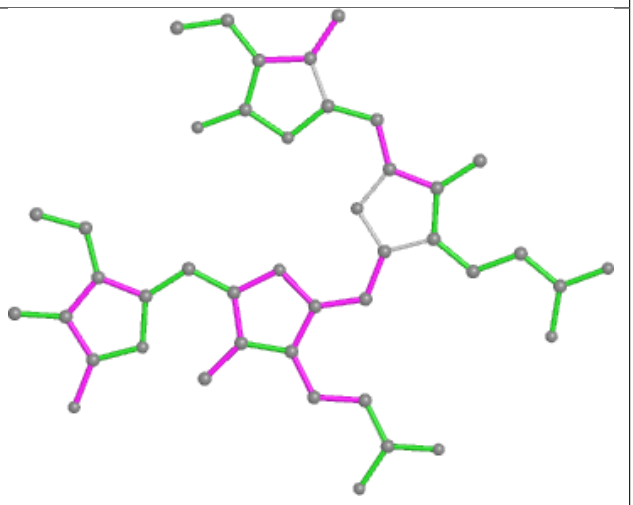

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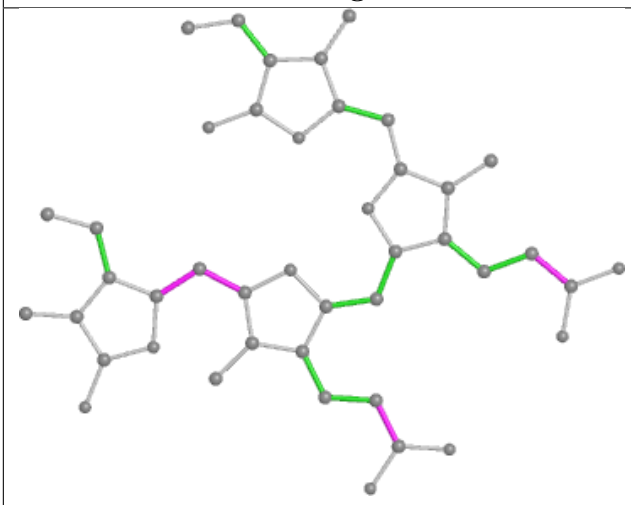

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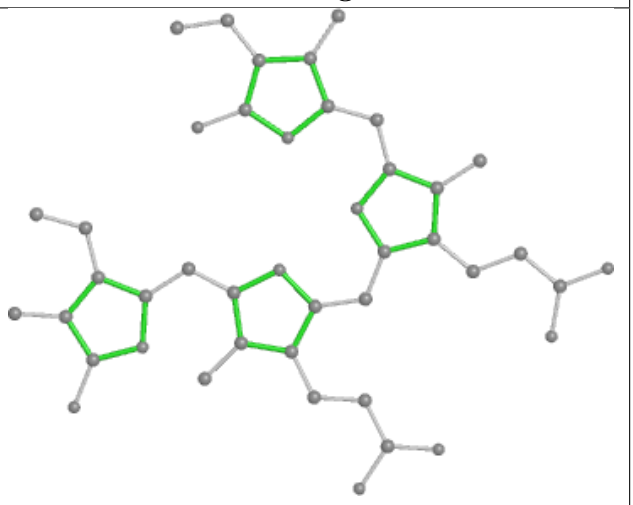

Rings

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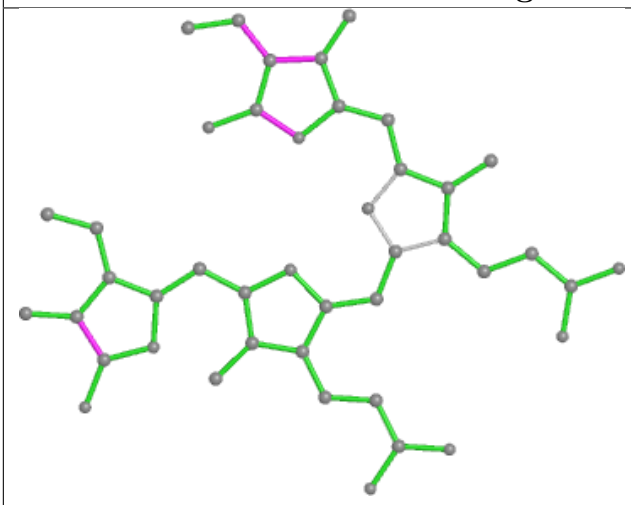

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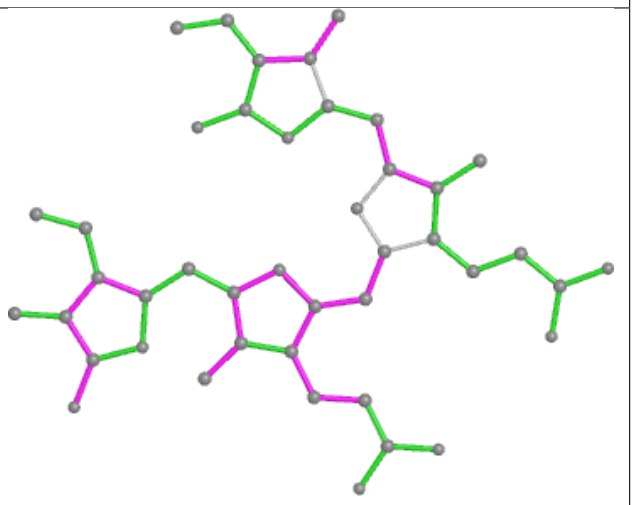

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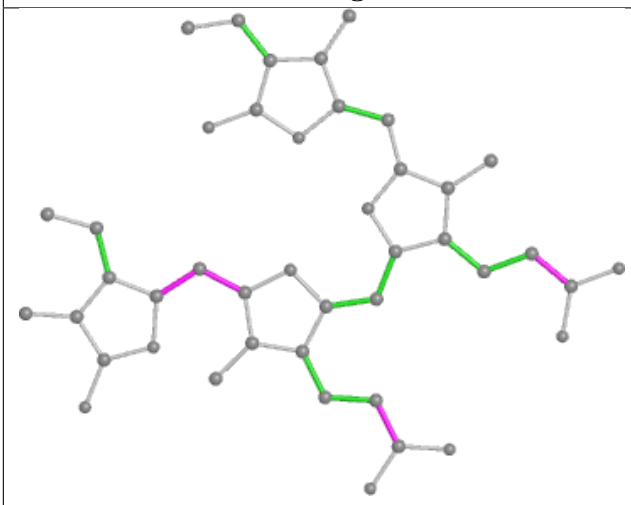

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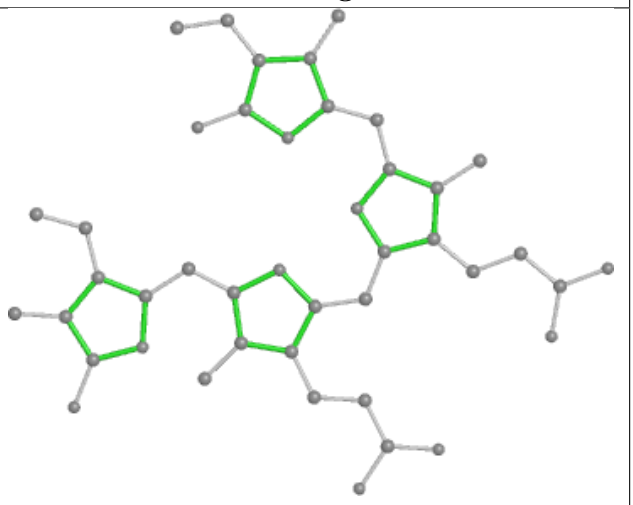

Rings

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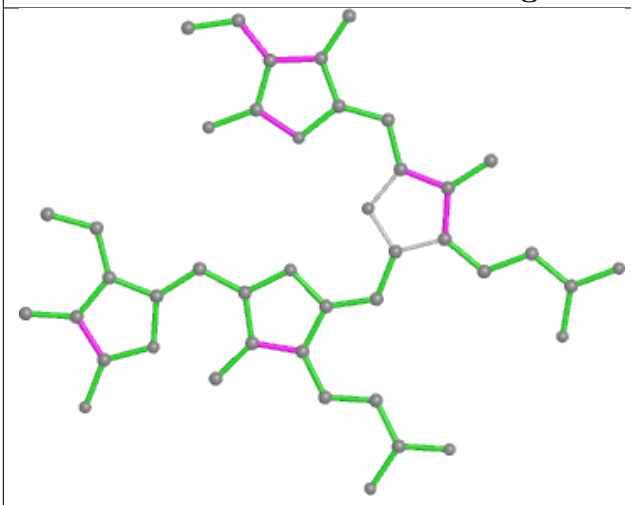

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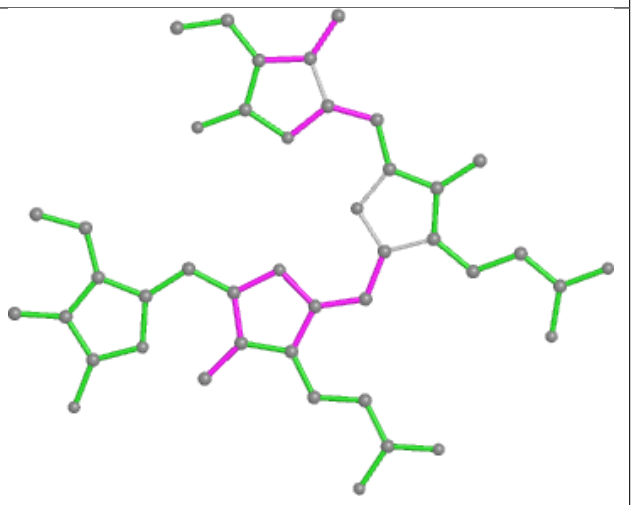

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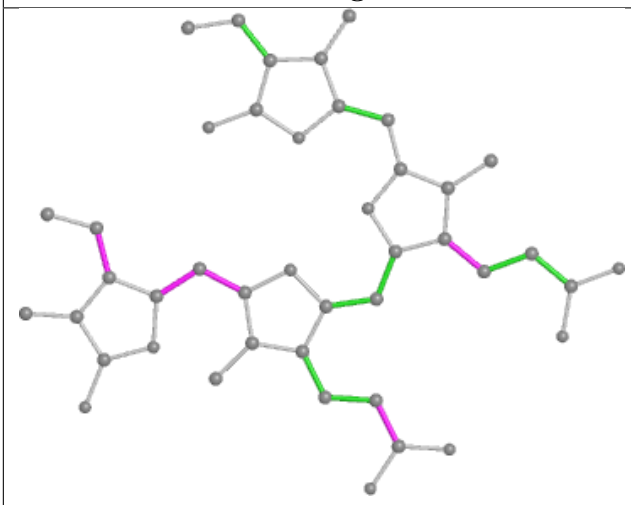

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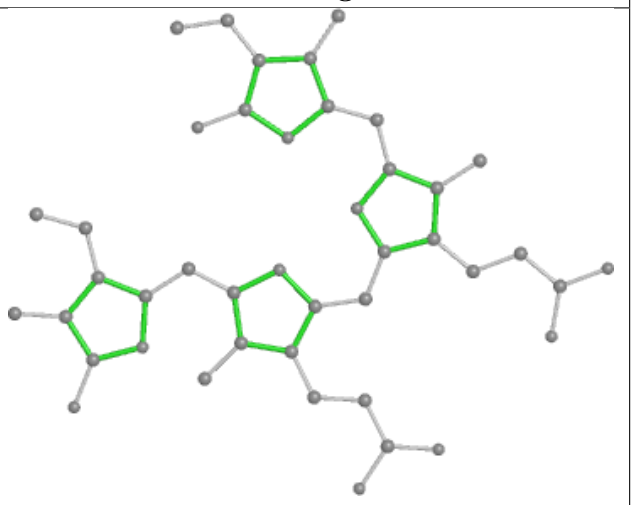

Rings

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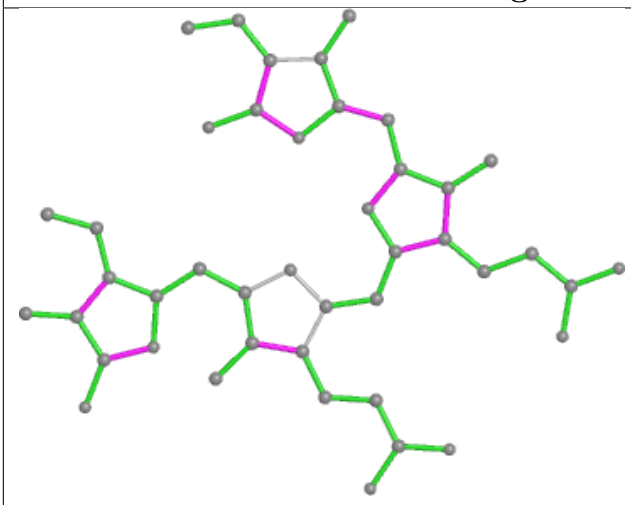

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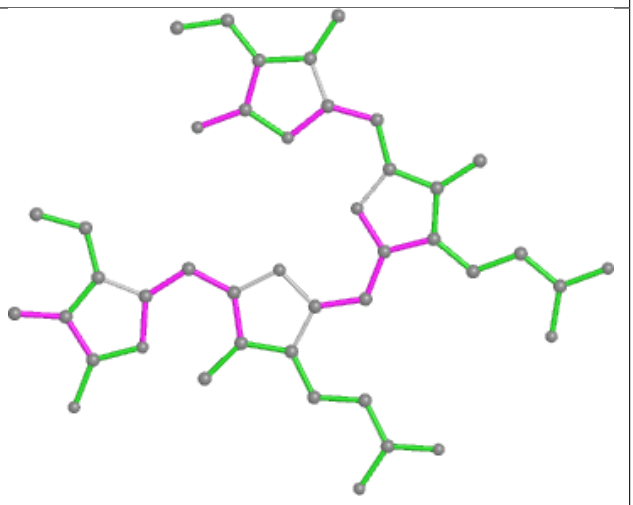
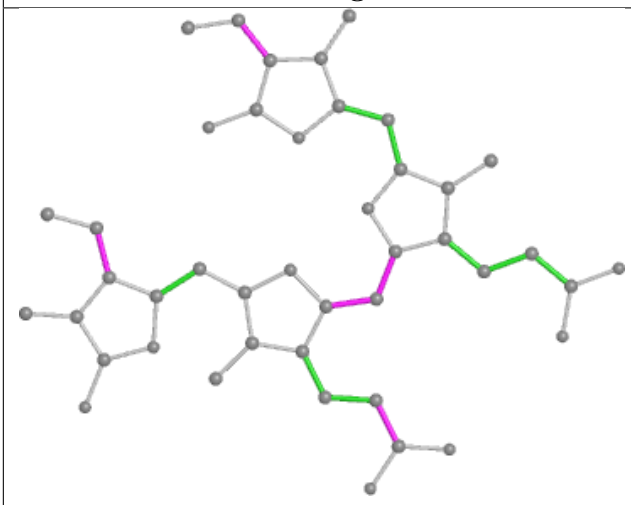
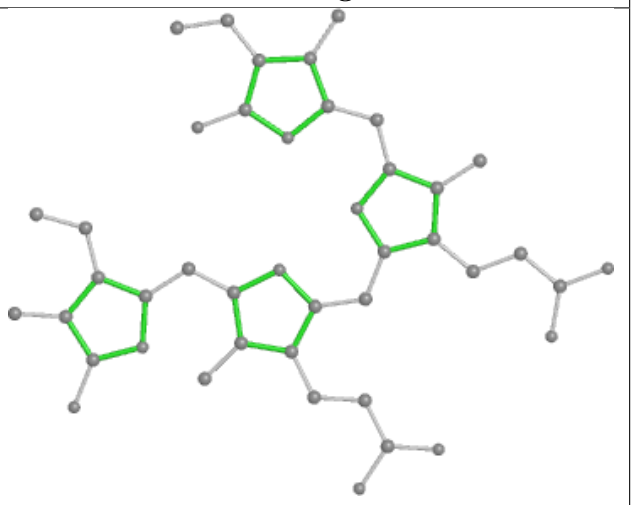


Bond angles

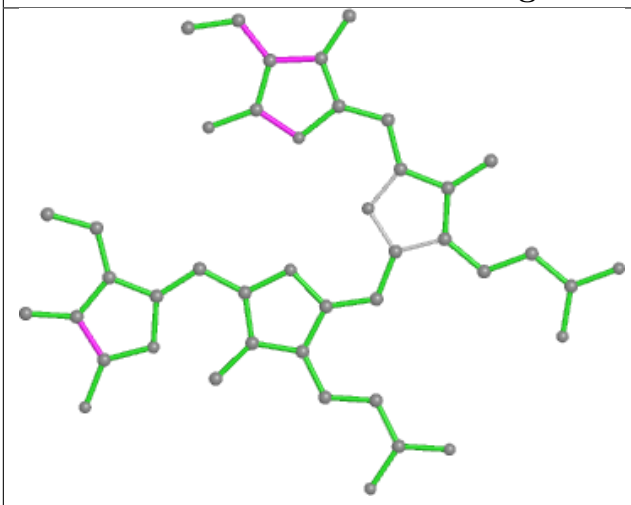


Torsions



Rings

Ligand PEB bv 201



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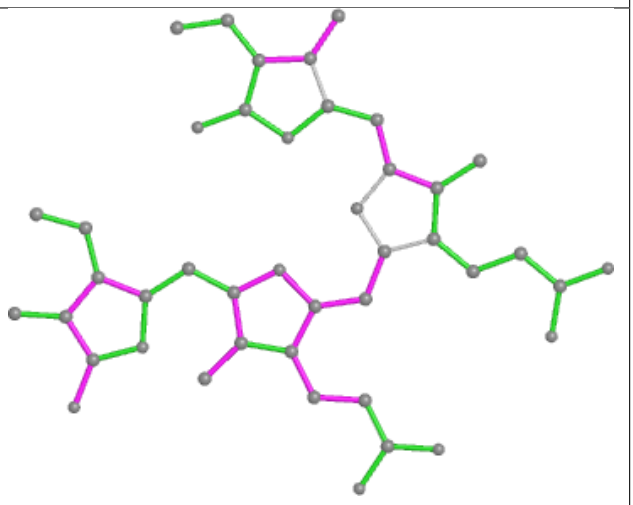

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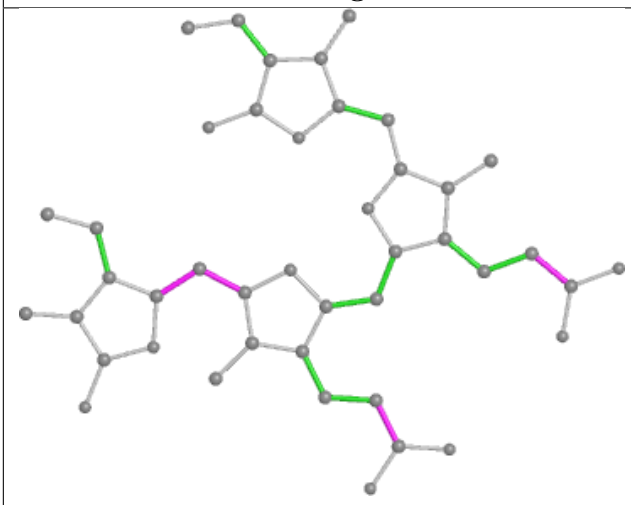

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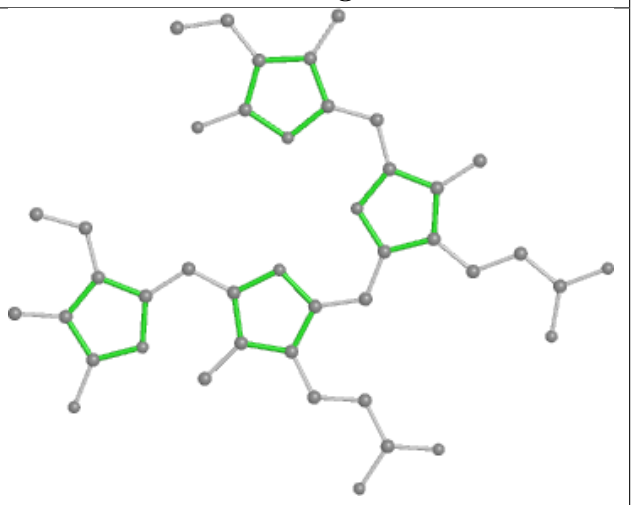

Rings

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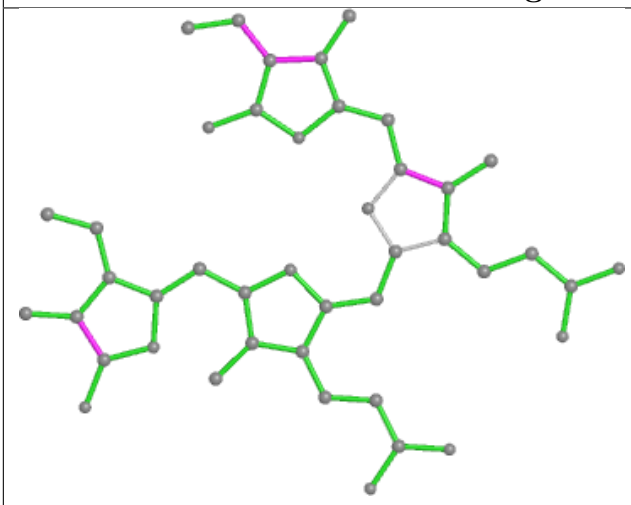

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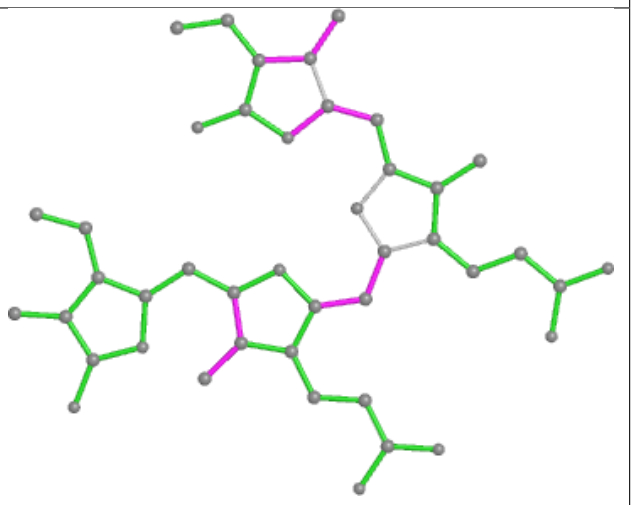

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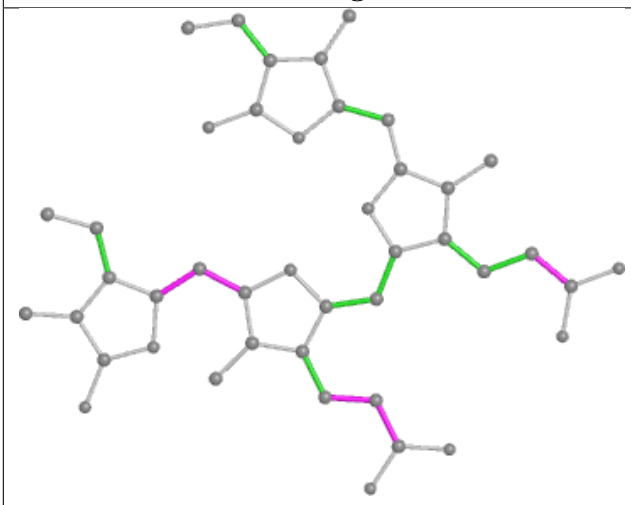

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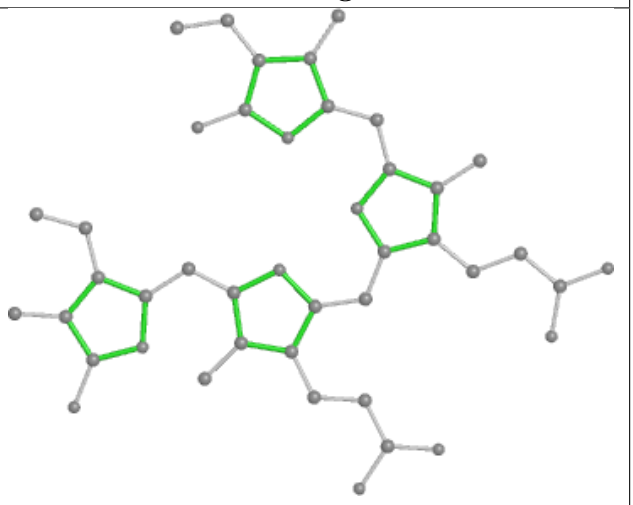
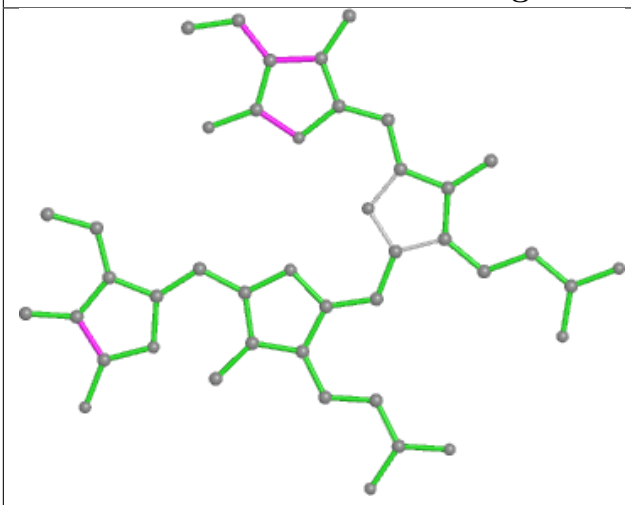


Rings

Ligand PEB bs 1002



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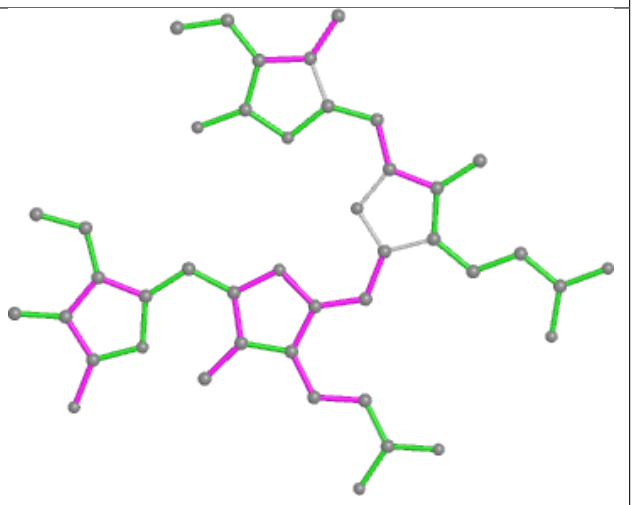

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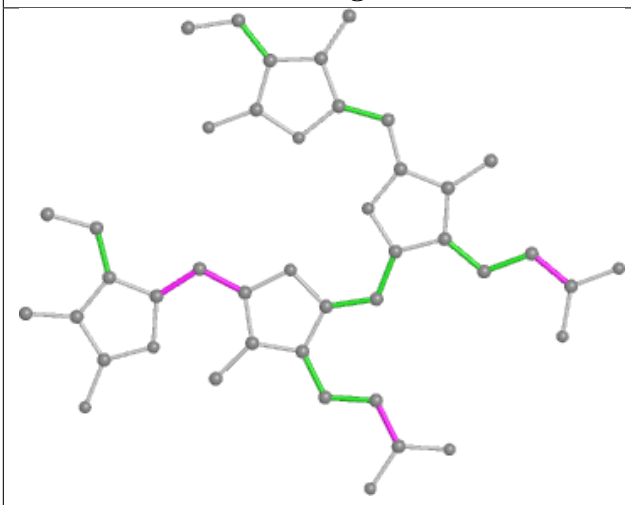

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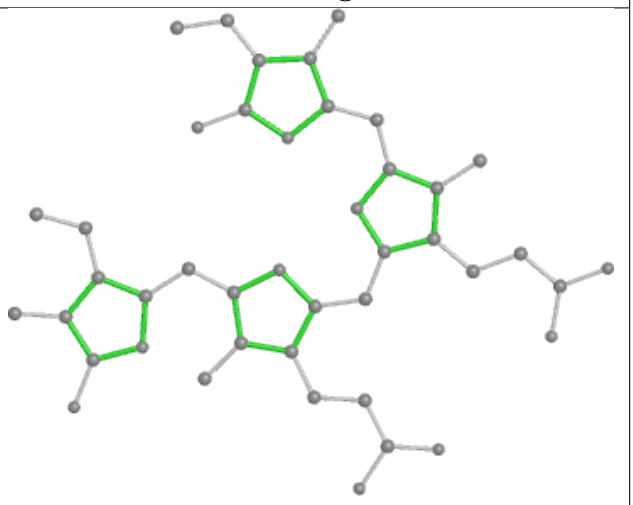
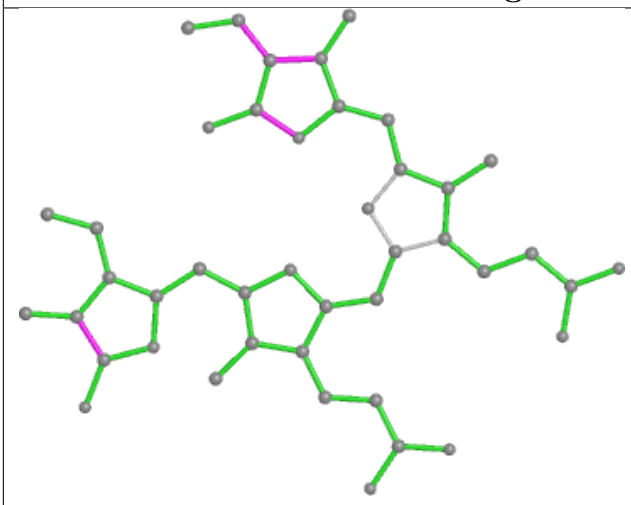


Rings

Ligand PEB gm 1001



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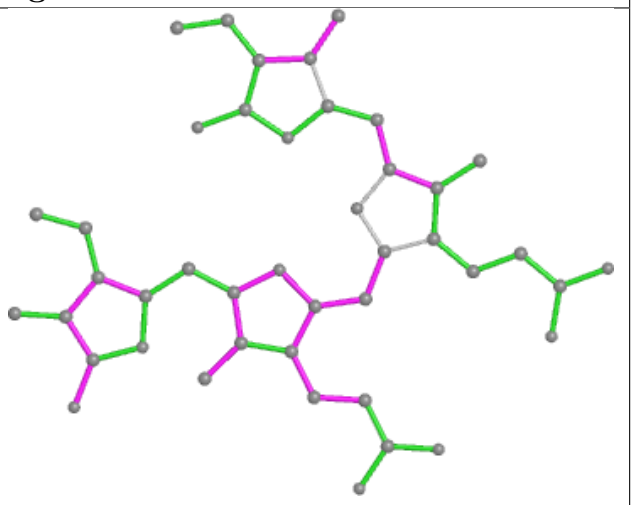

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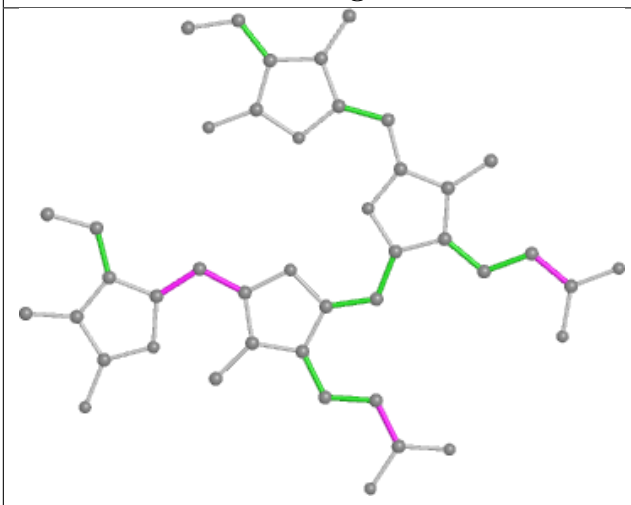

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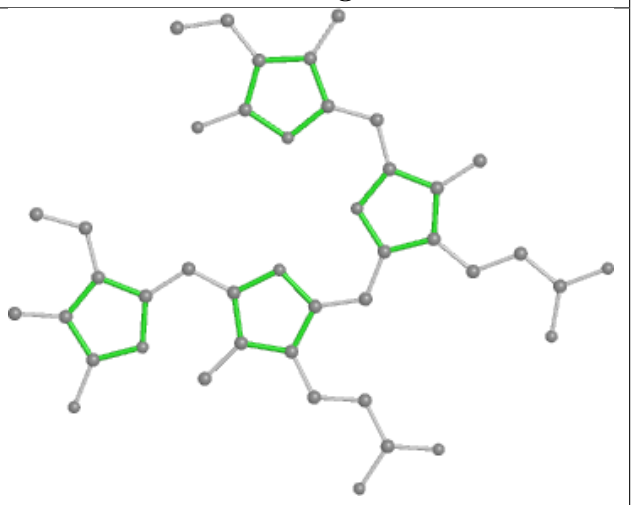
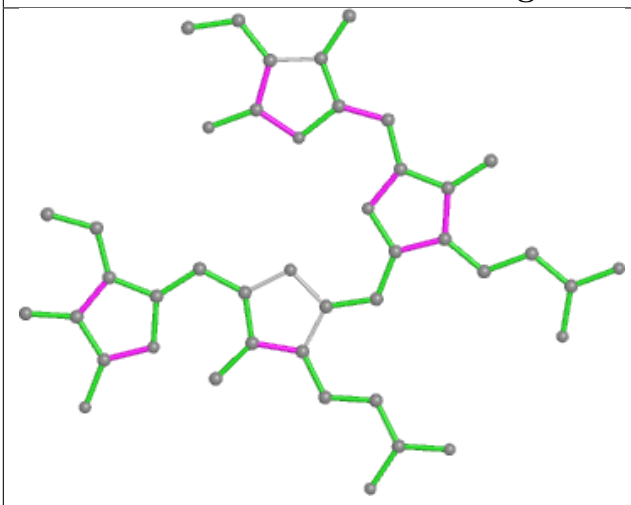


Rings

Ligand PUB x2 202



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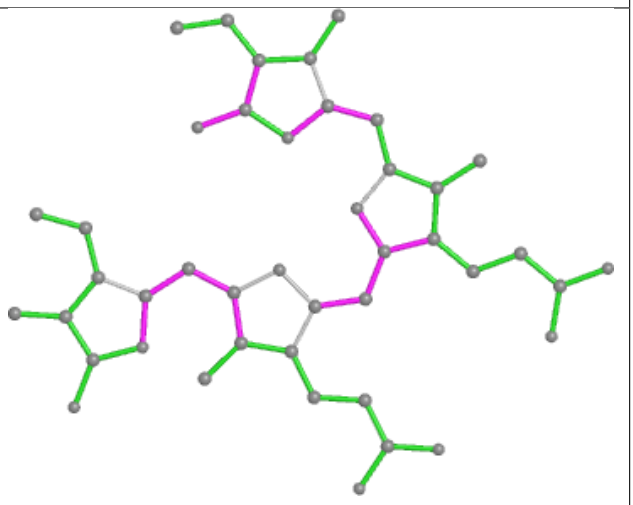

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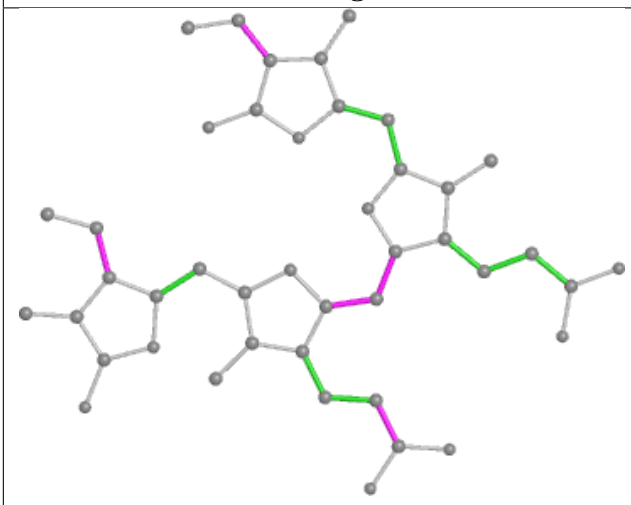

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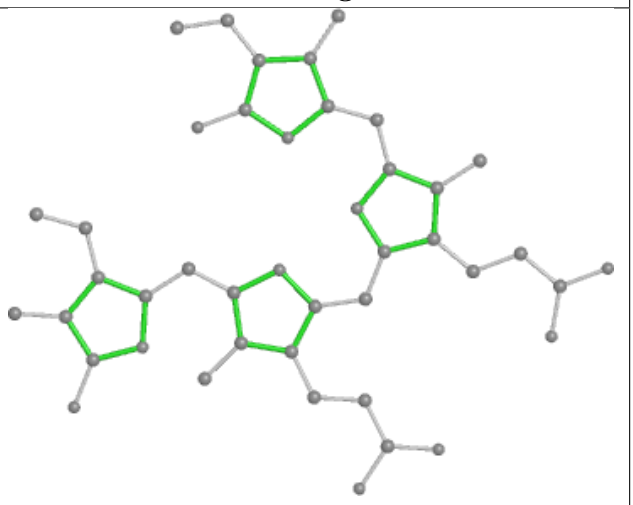

Rings

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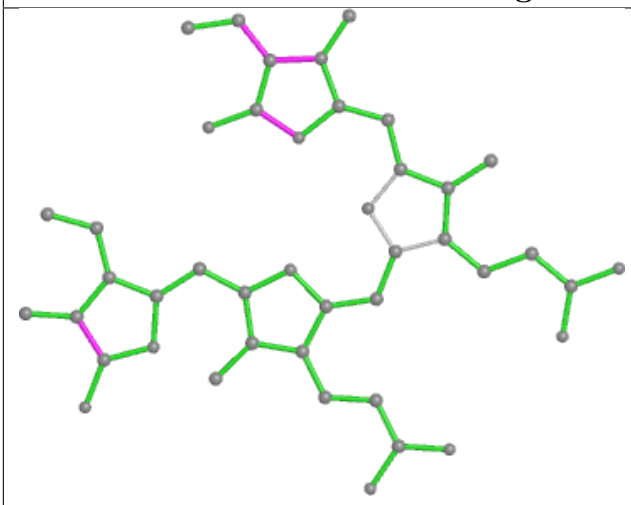

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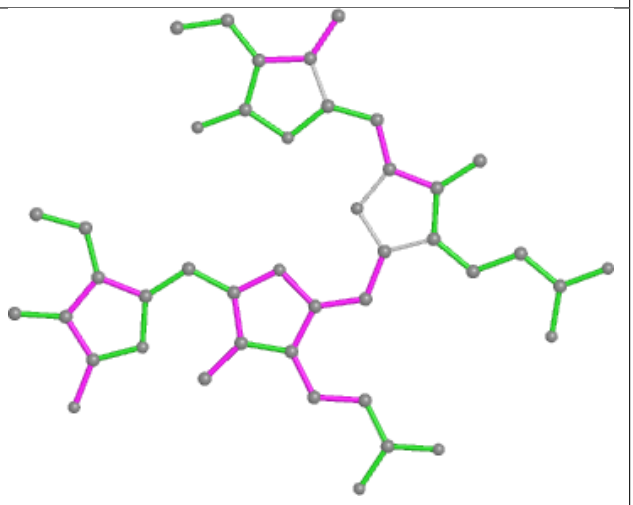

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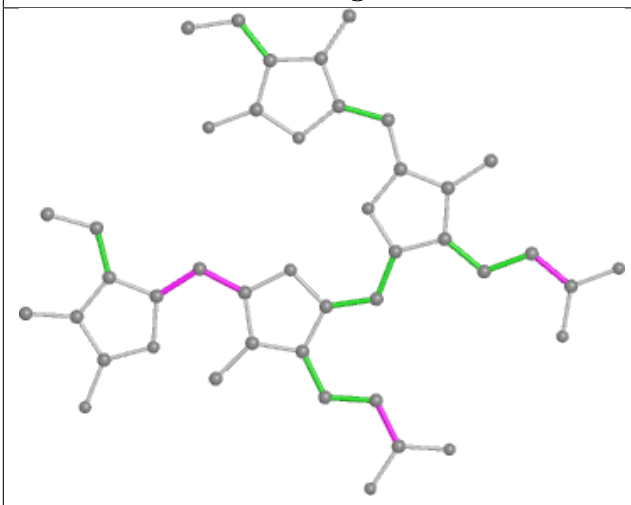

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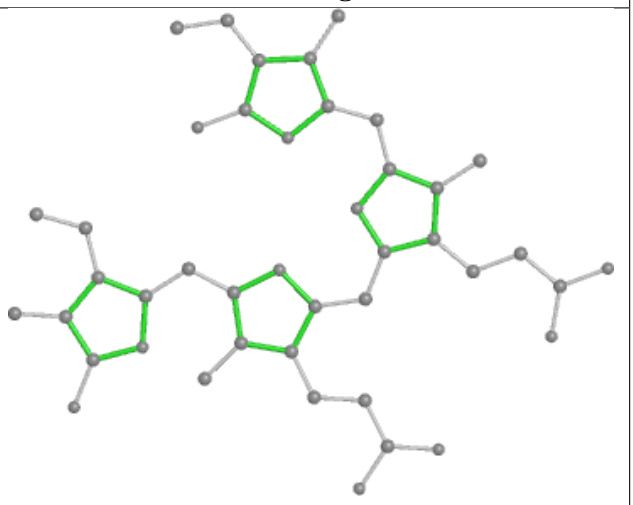

Rings

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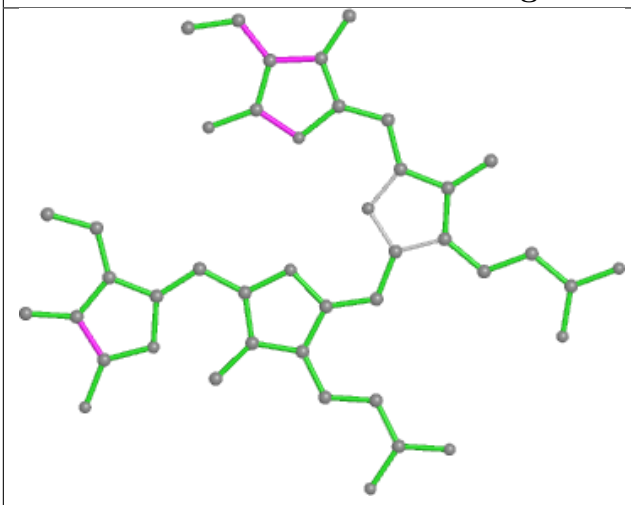

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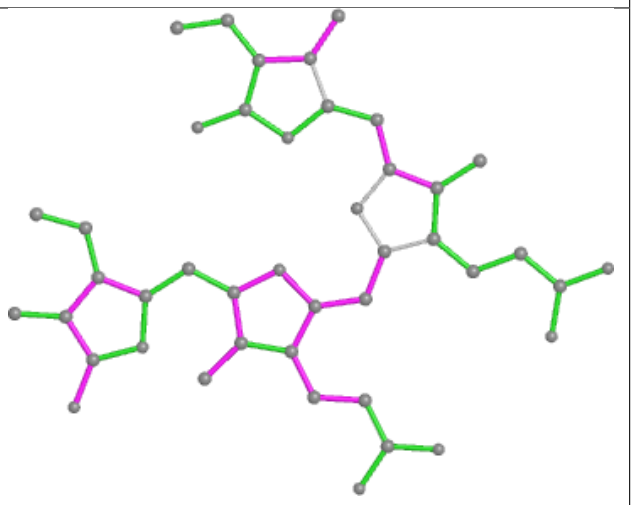

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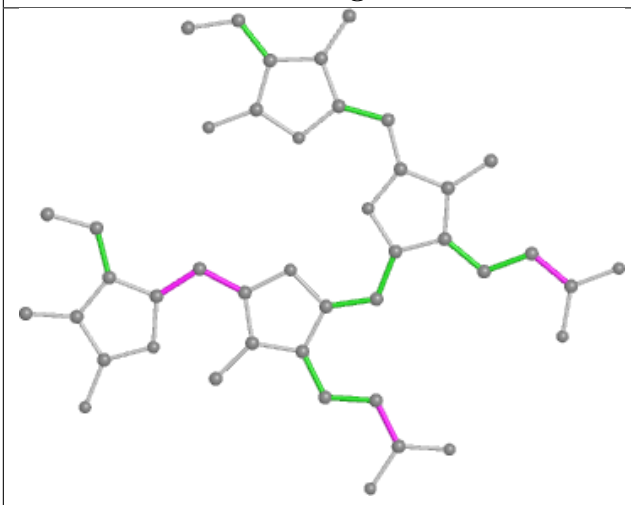

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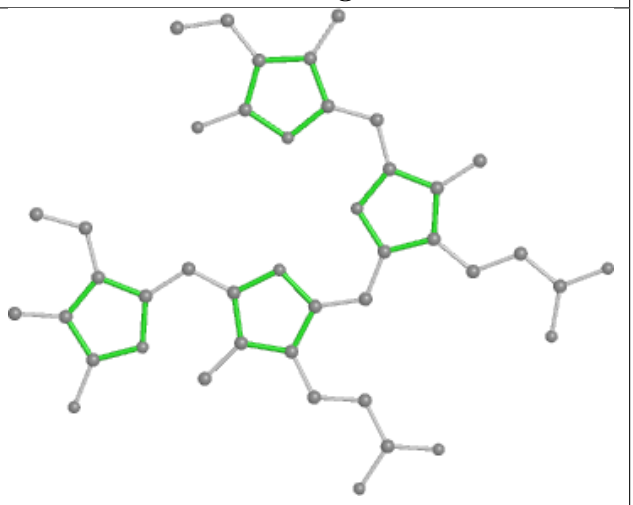

Rings

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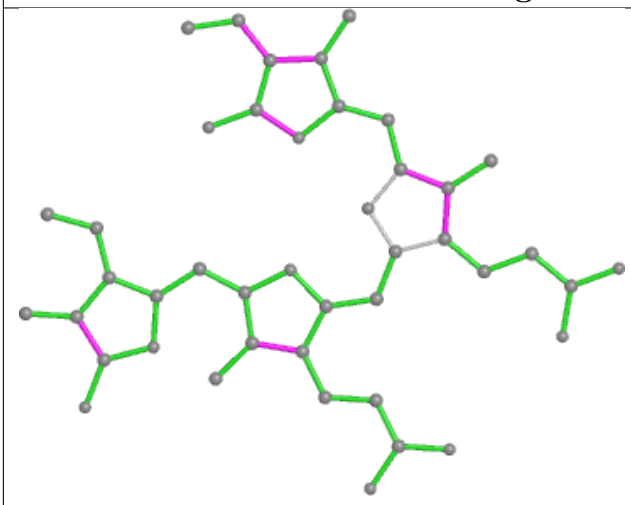

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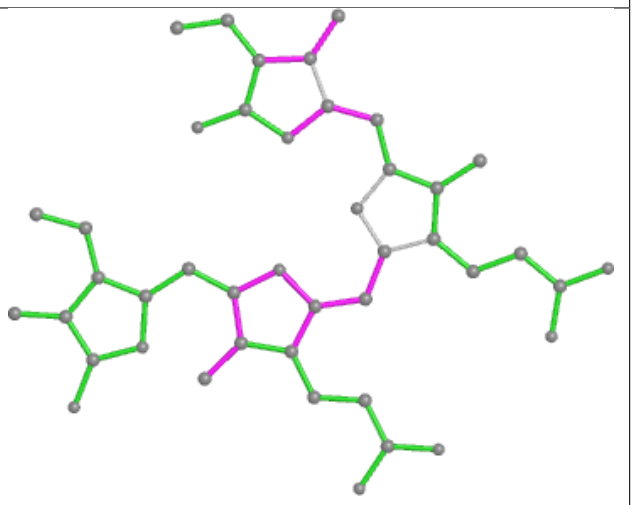

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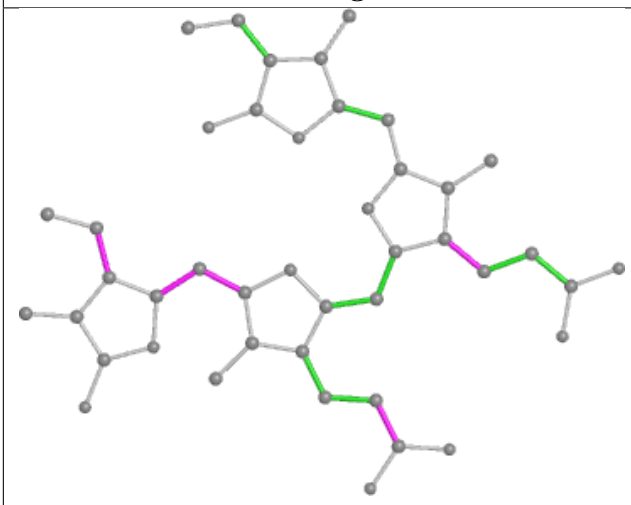

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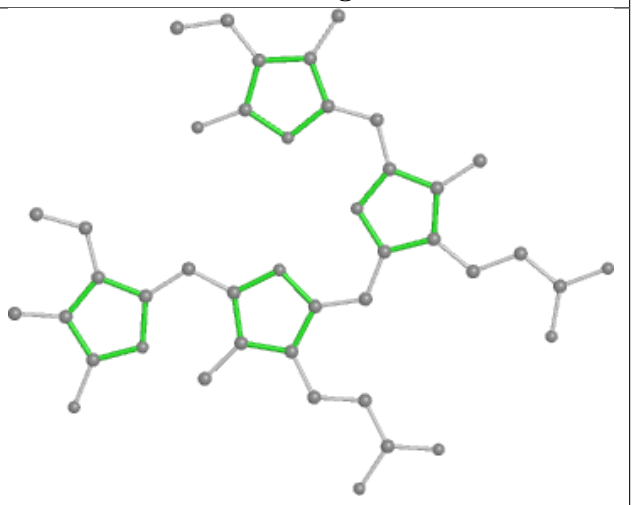

Rings

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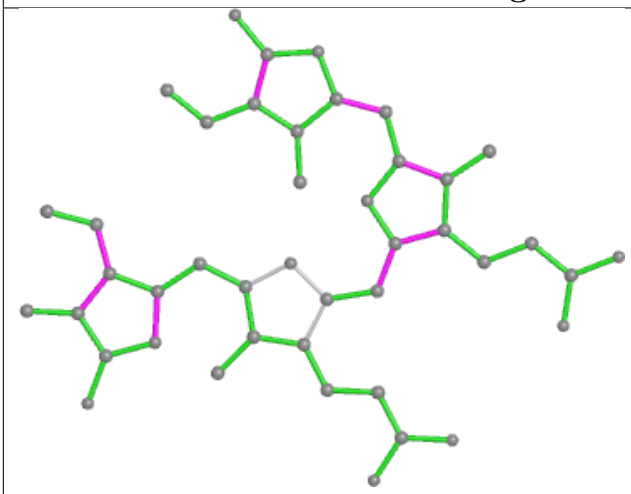

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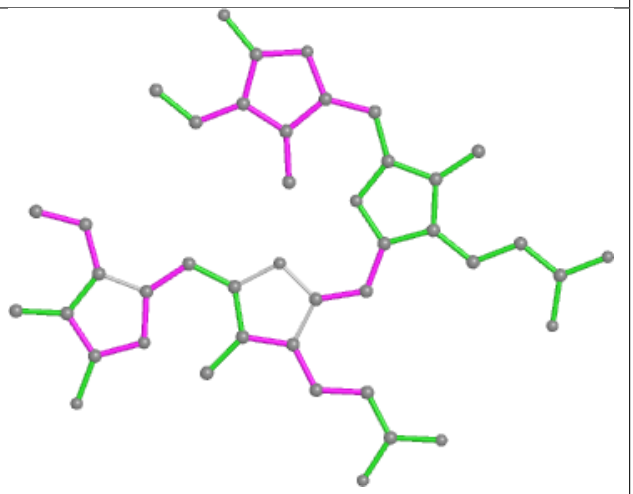

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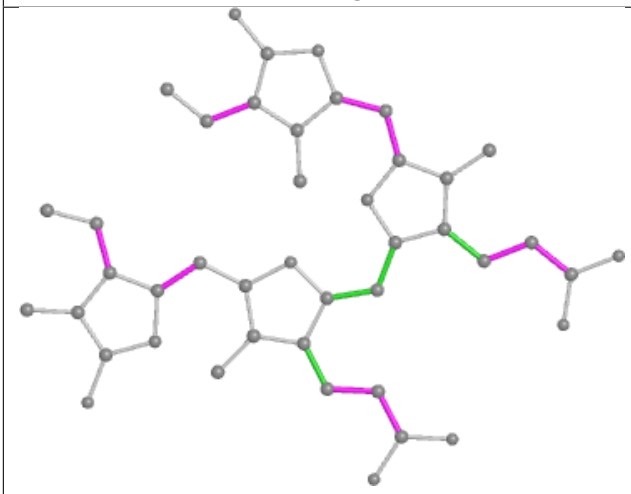

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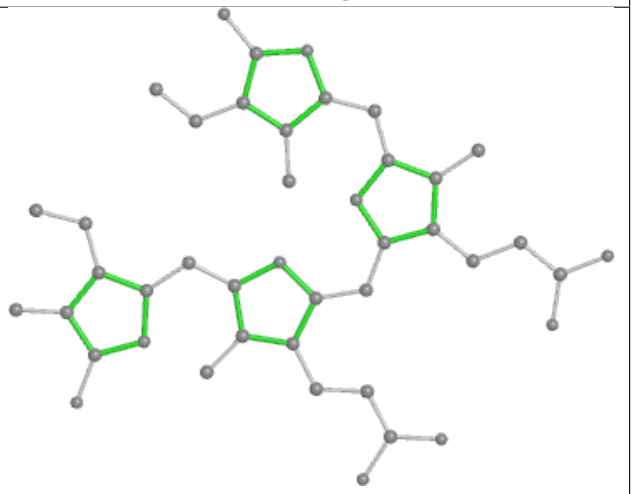

Rings

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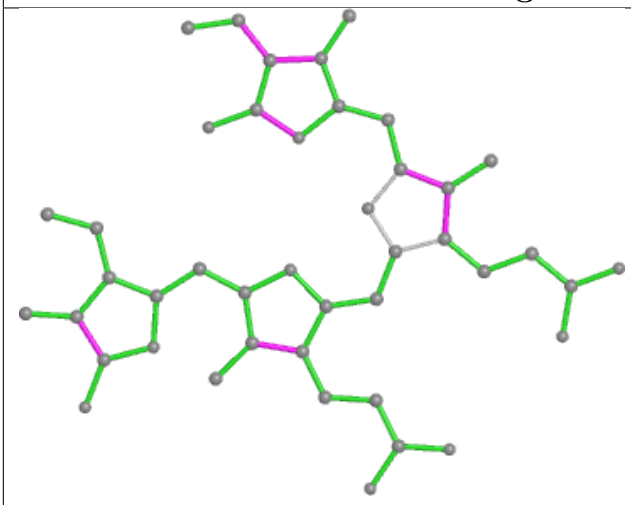

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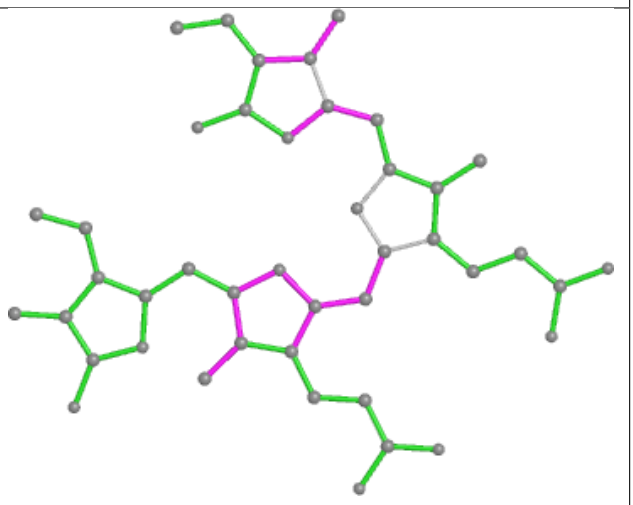

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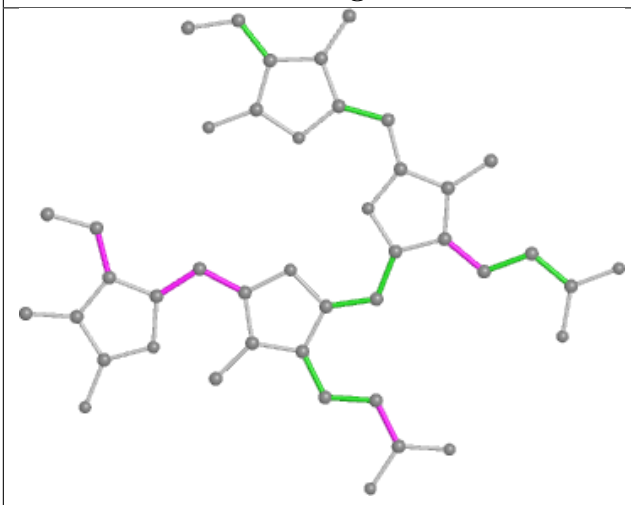

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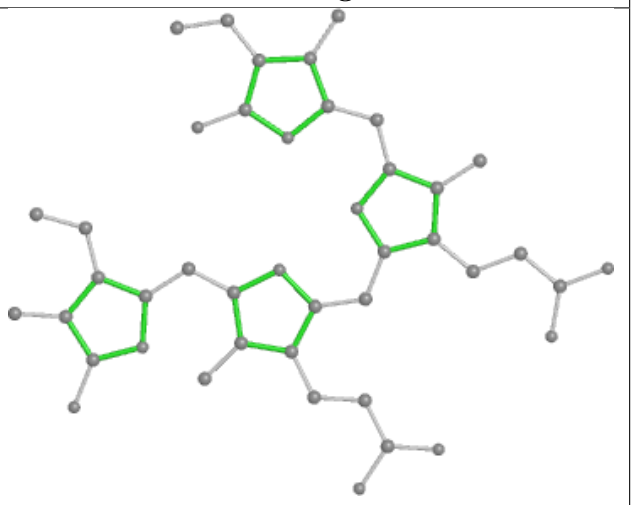

Rings

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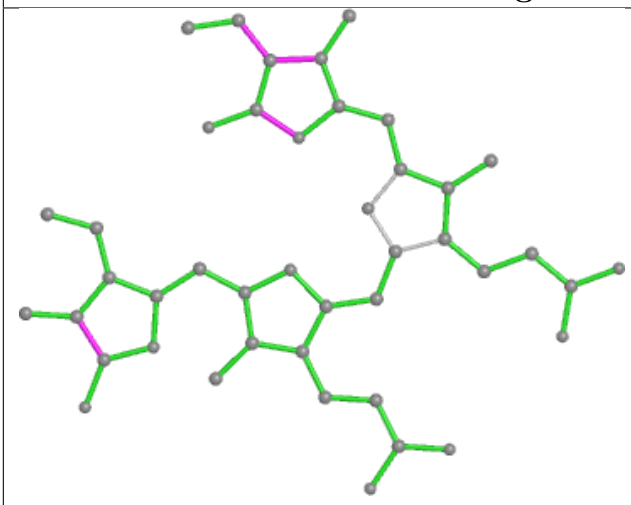

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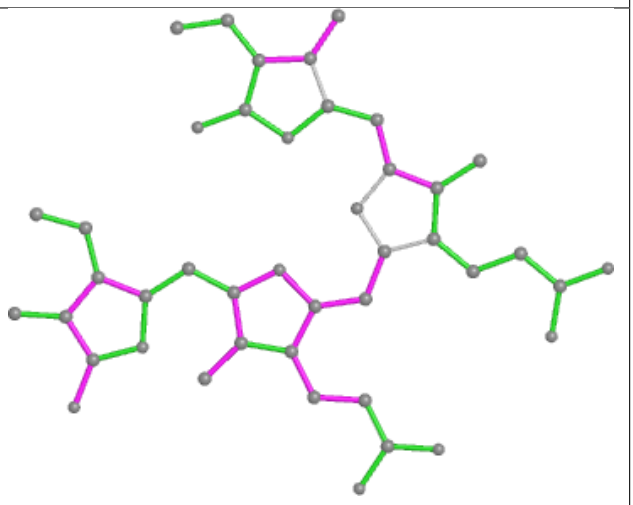

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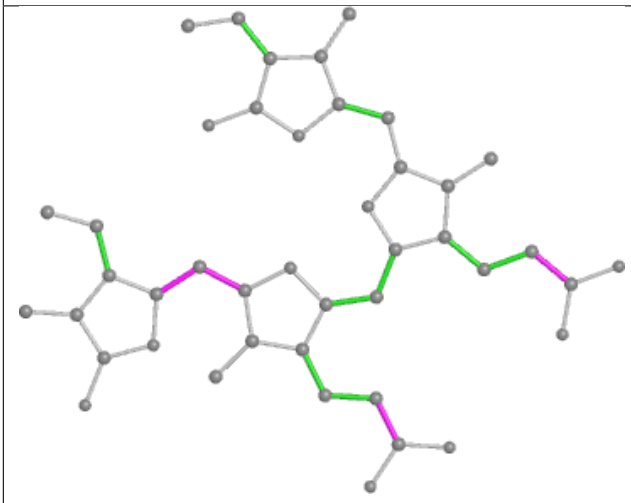

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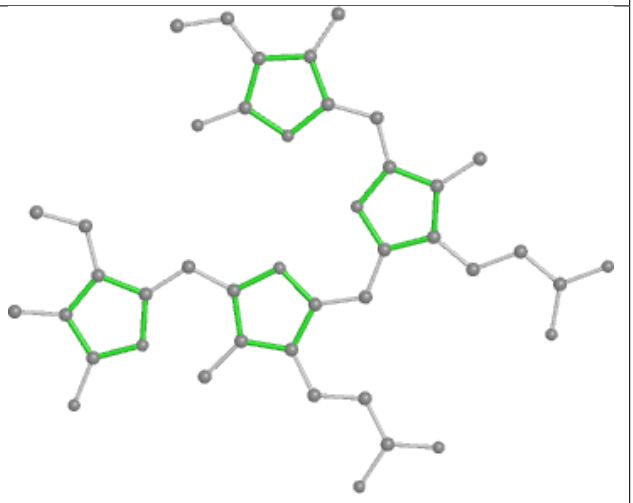
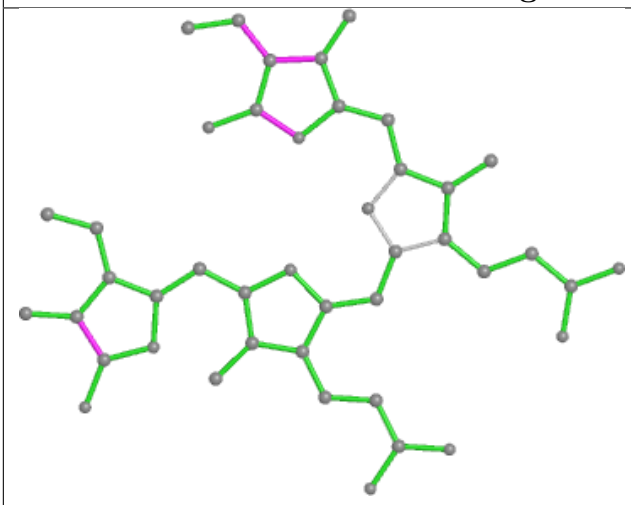


Rings

Ligand PEB 24 401



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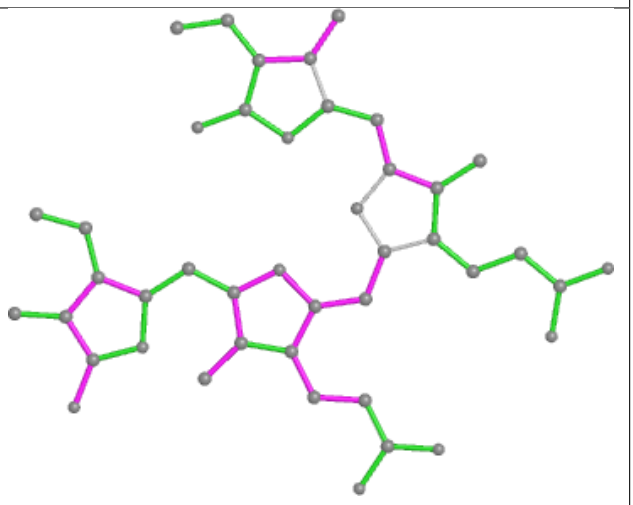
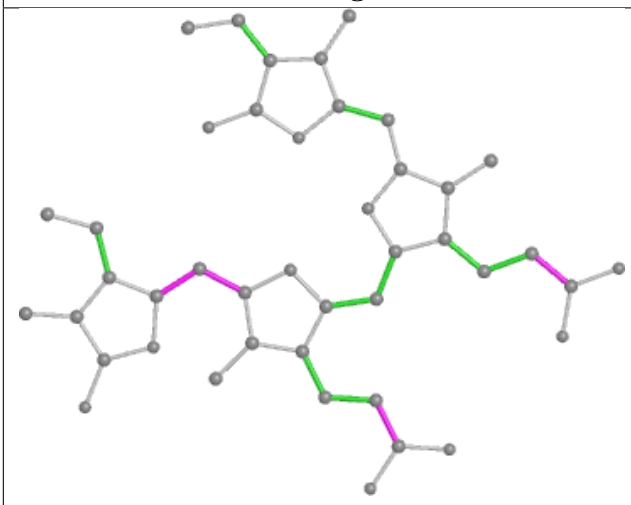


Bond angles



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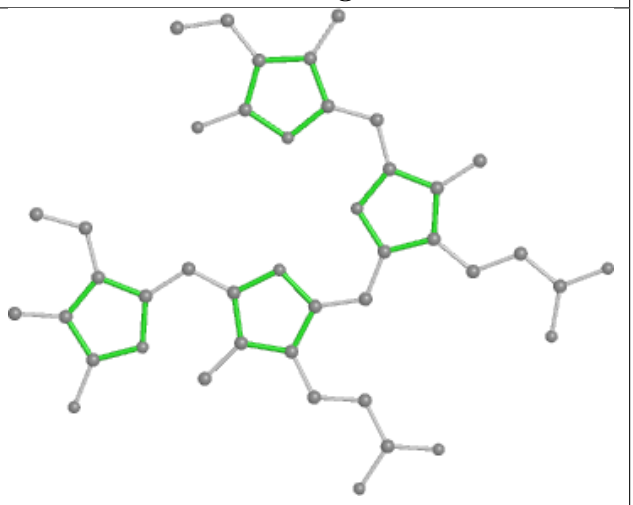
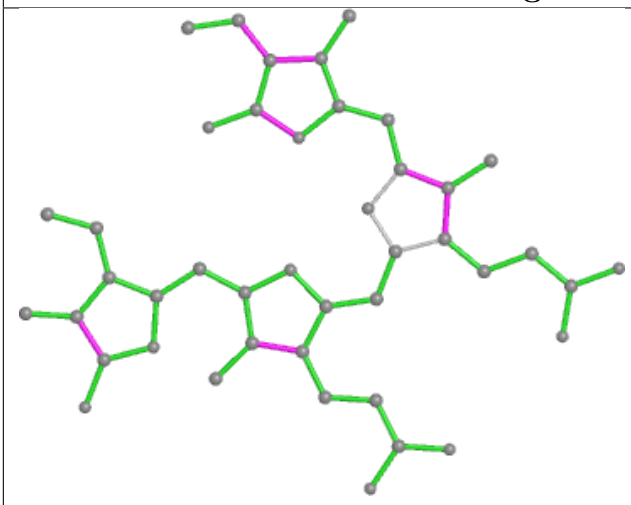


Rings

Ligand PEB l7 202



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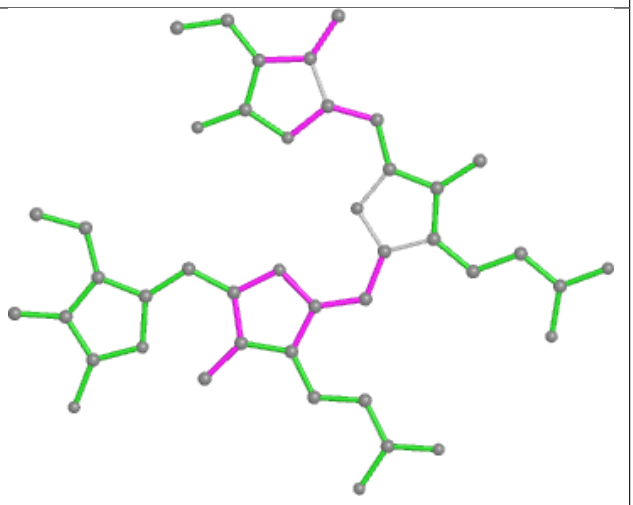

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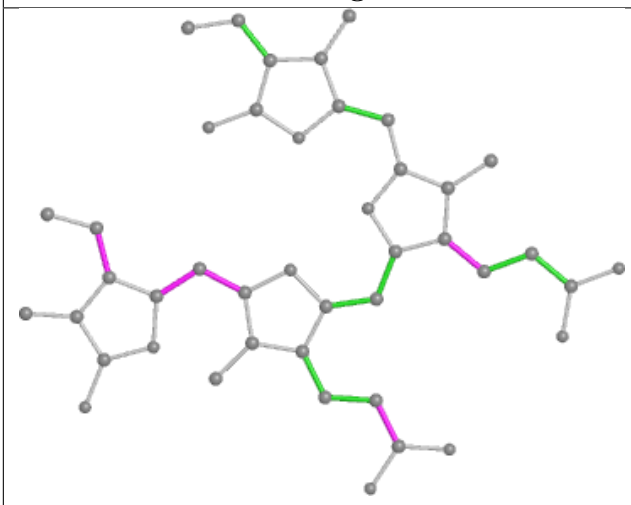
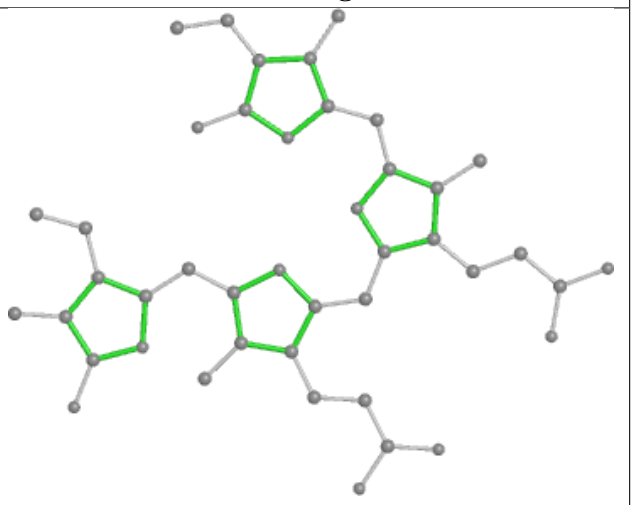
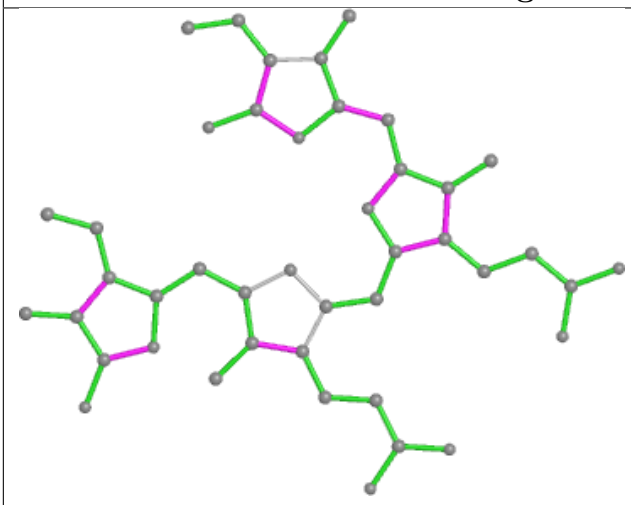


Torsions



Rings

Ligand PUB n9 202



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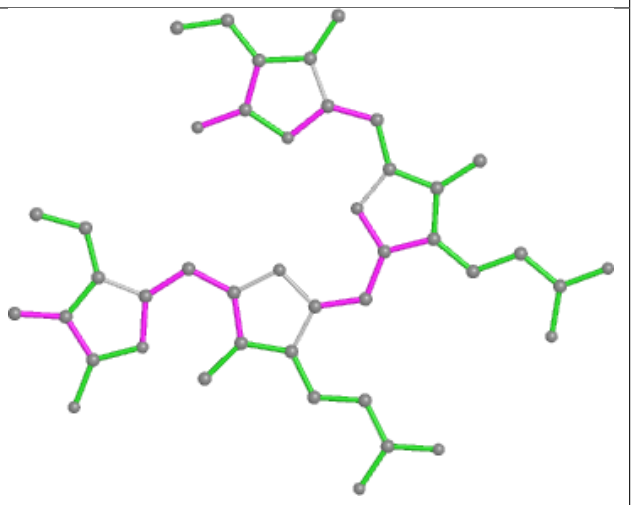

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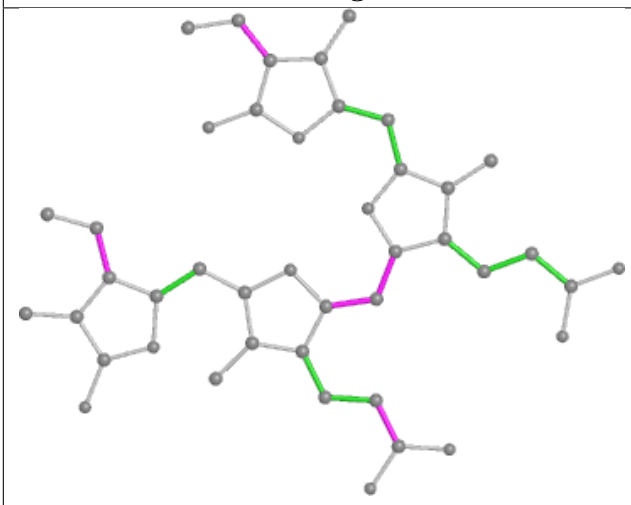

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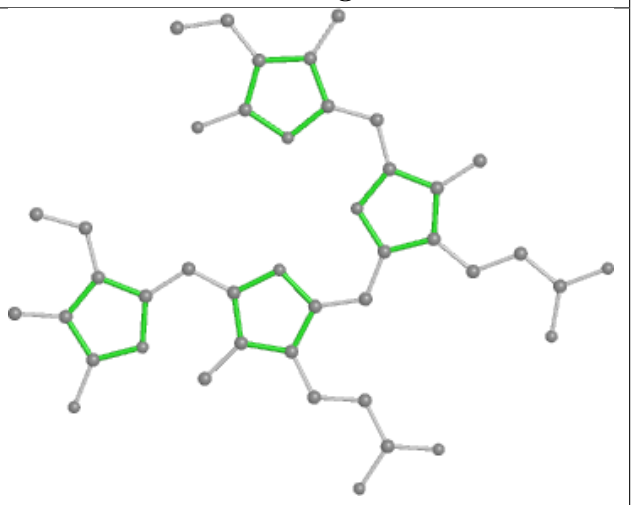

Rings

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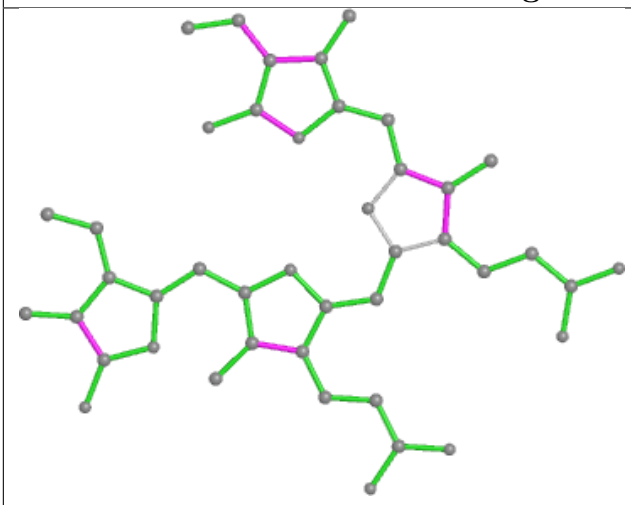

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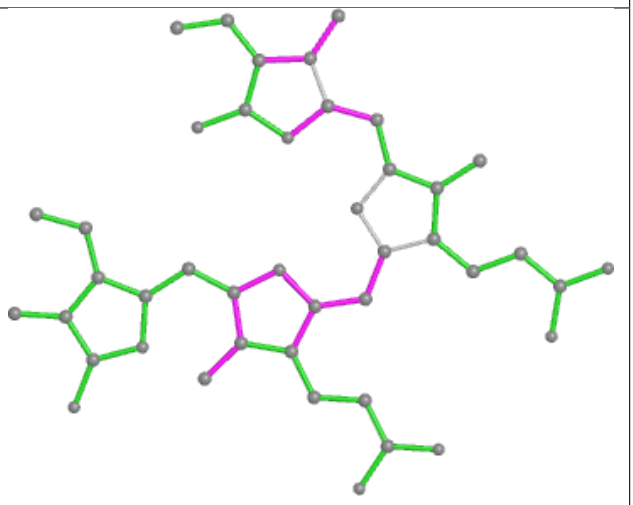

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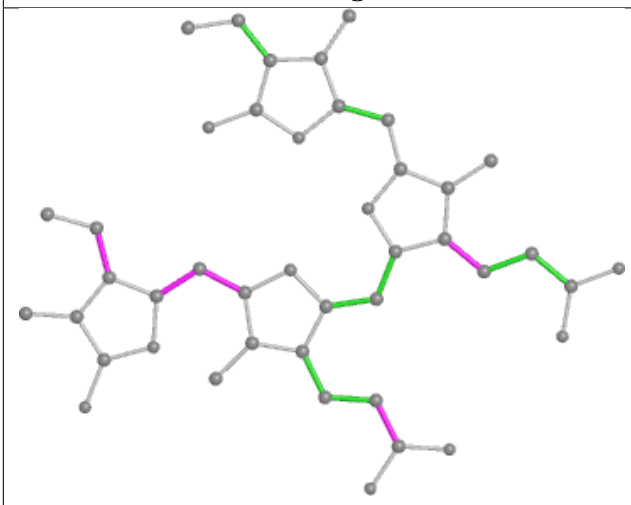

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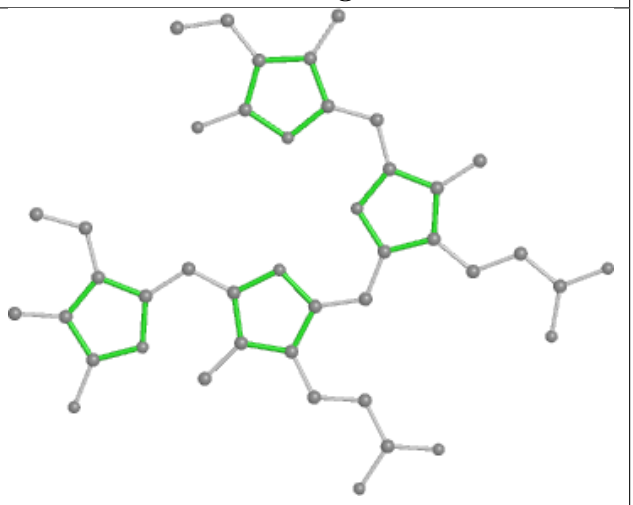

Rings

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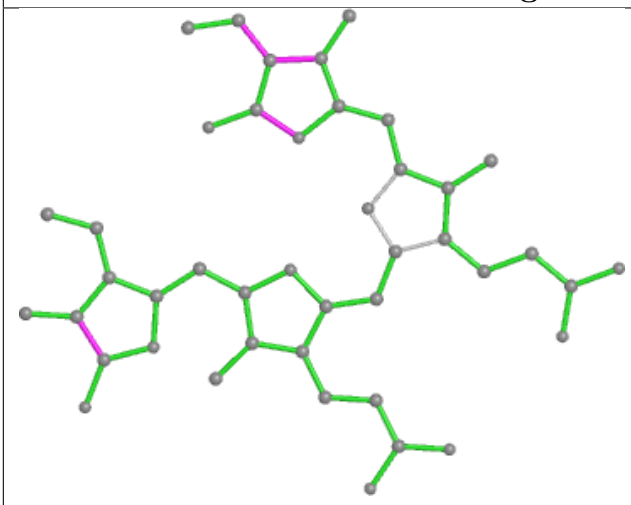

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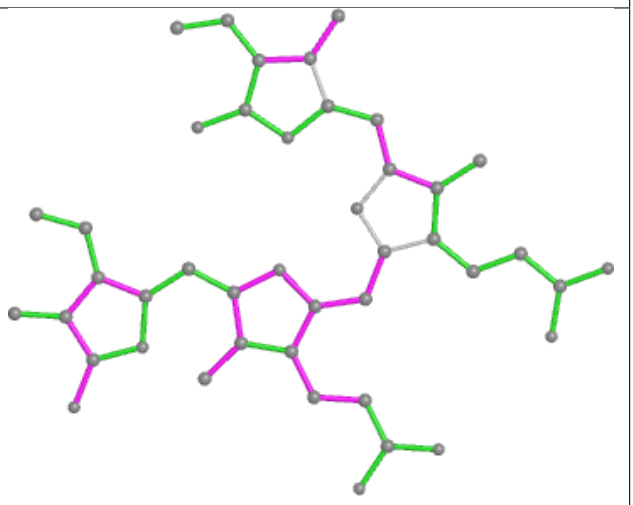

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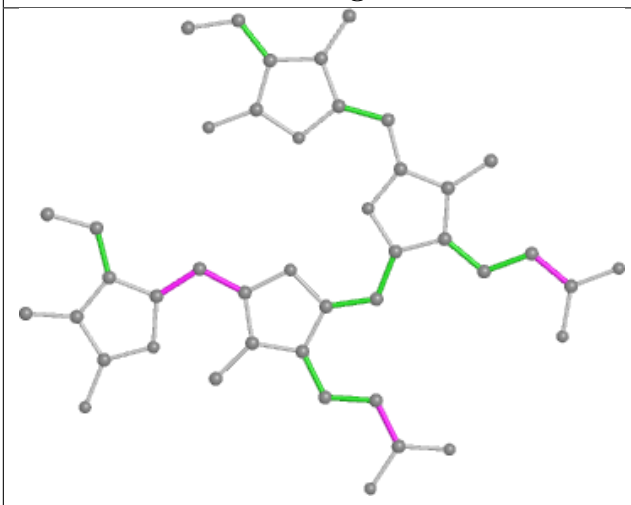

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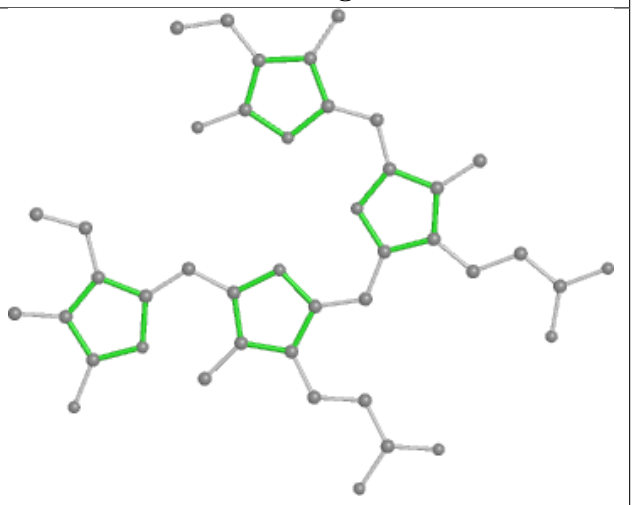

Rings

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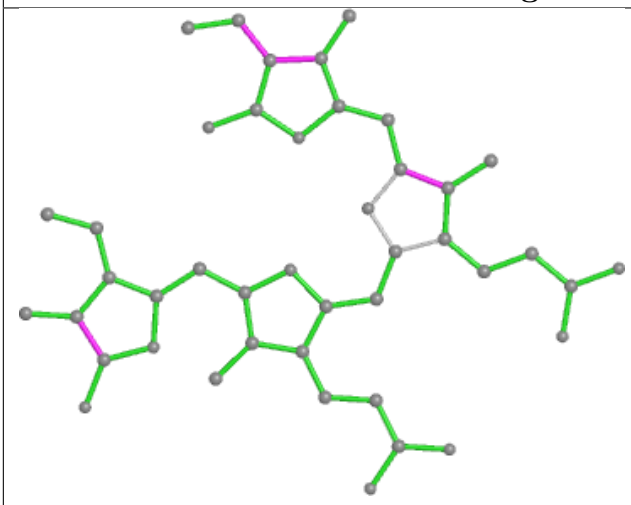

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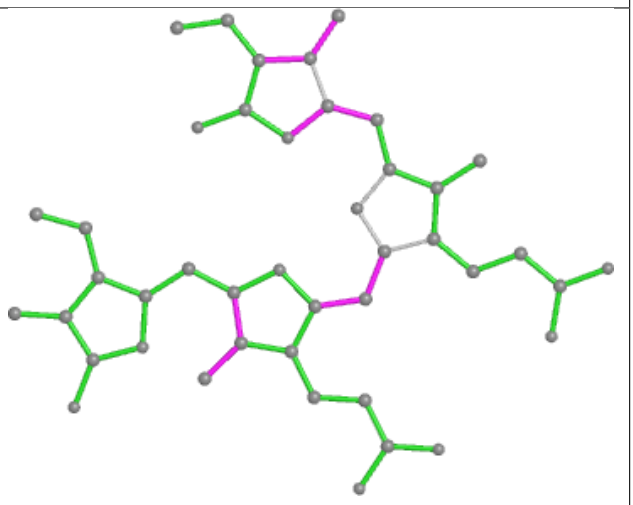

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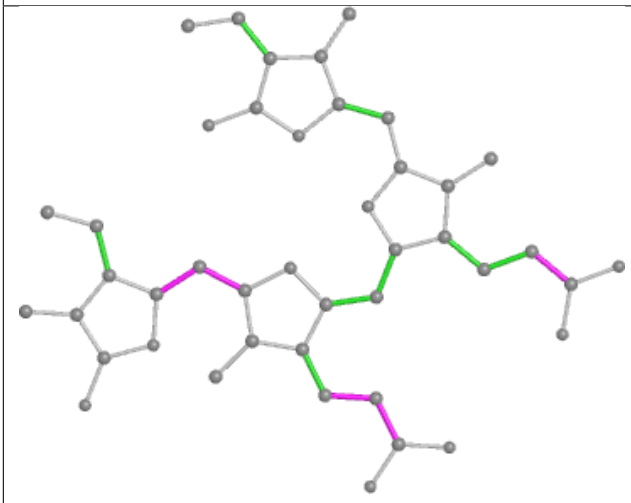

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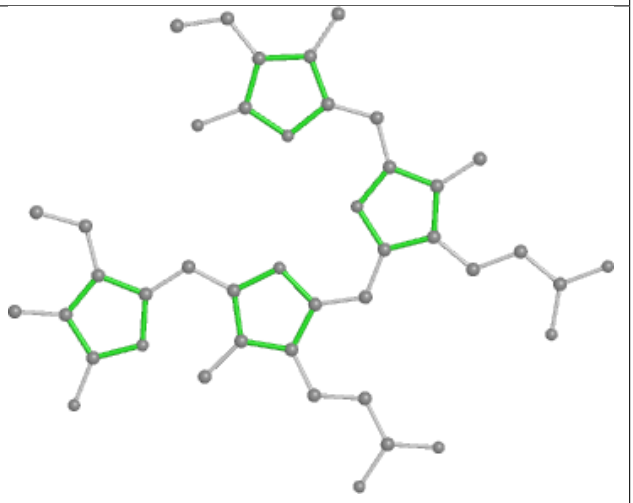

Rings

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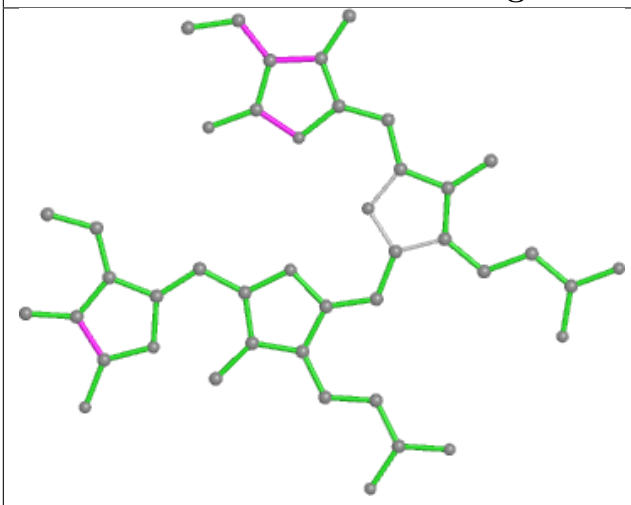

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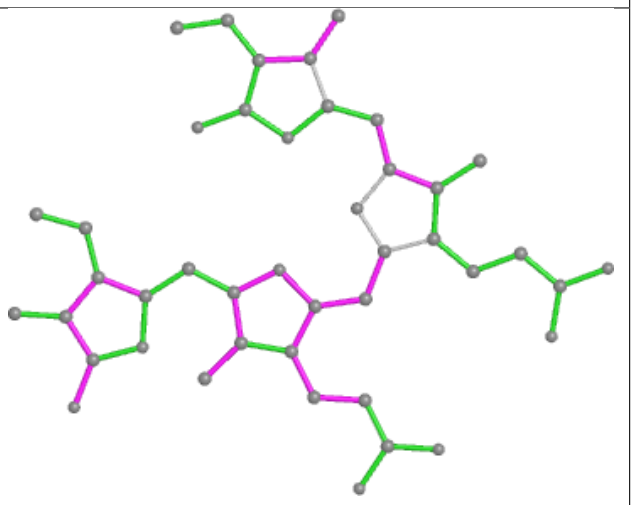

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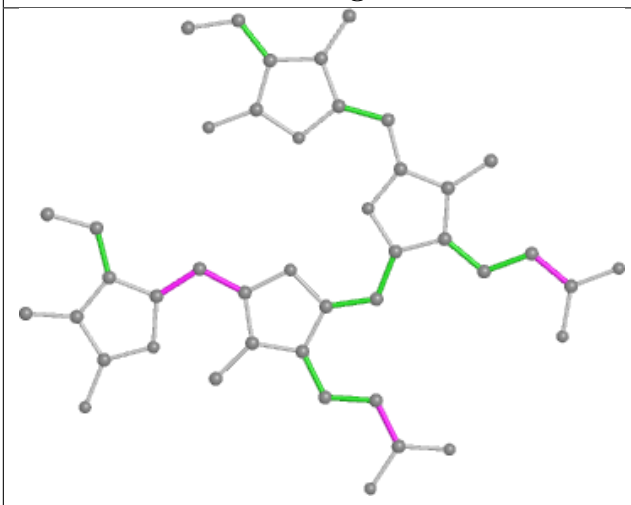

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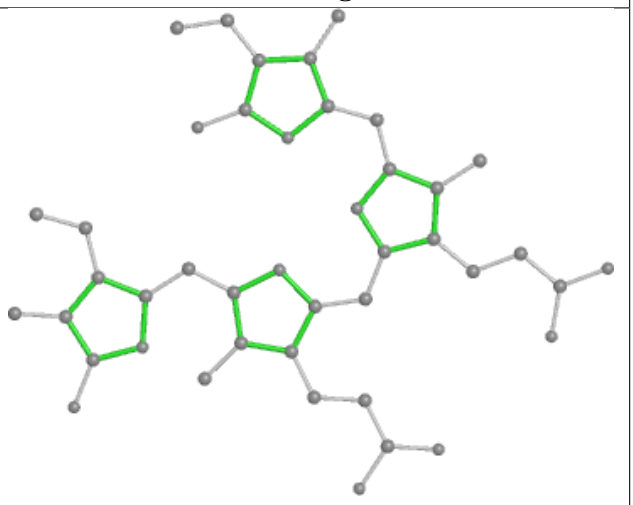

Rings

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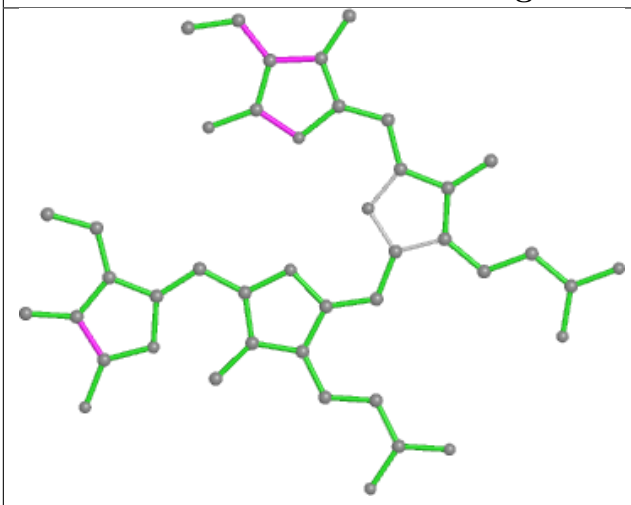

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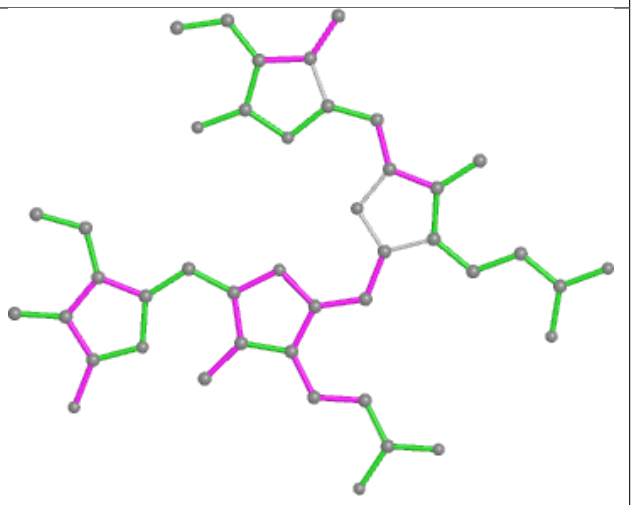

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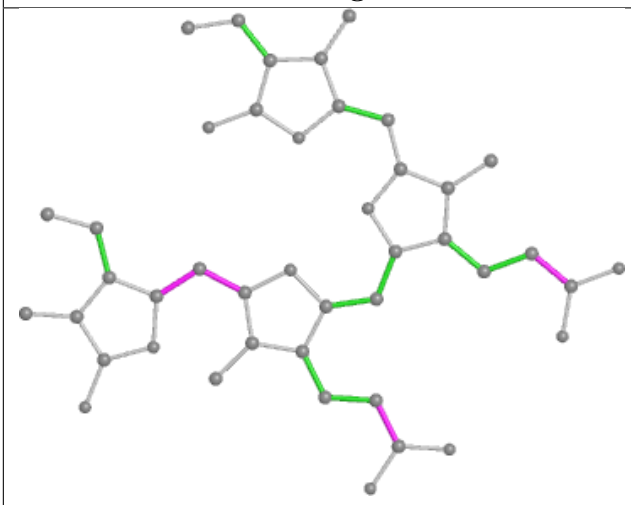

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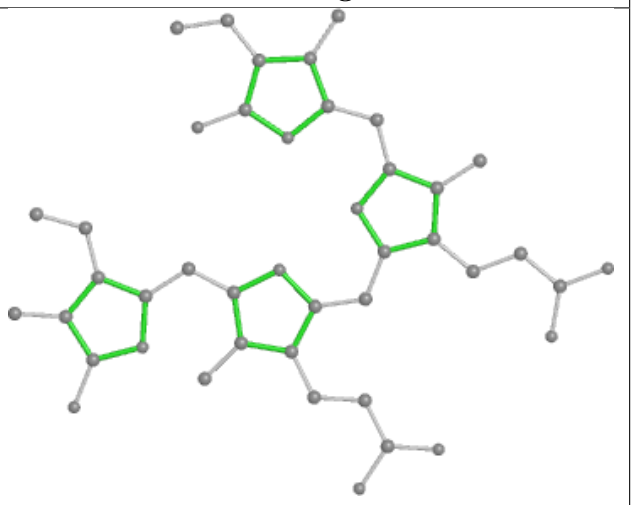

Rings

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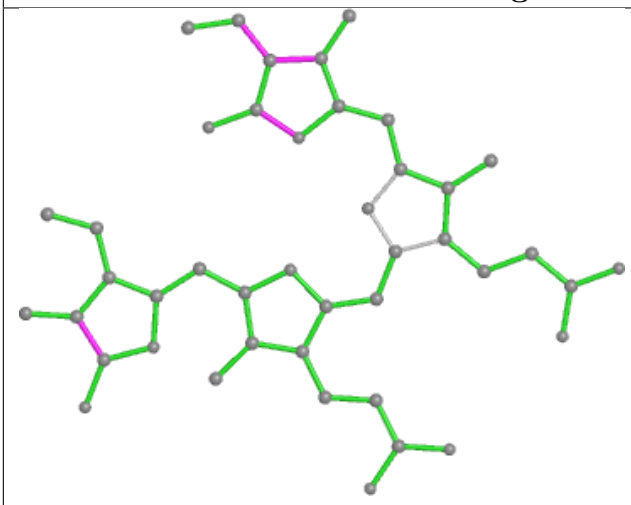

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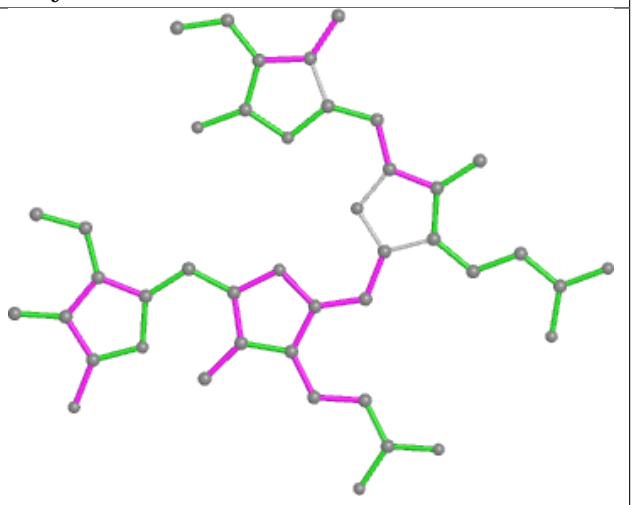

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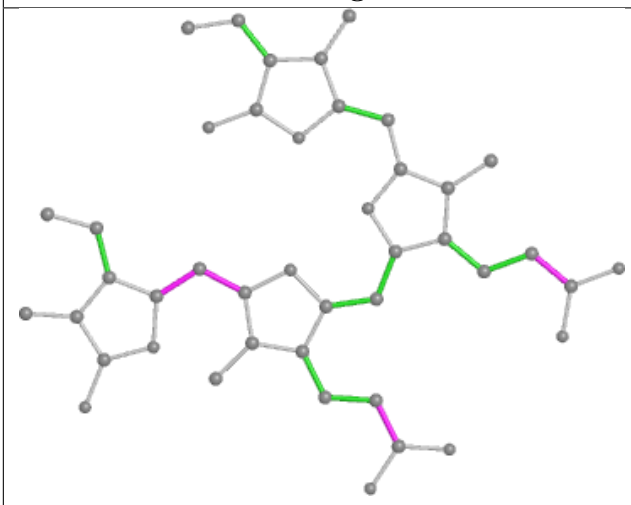

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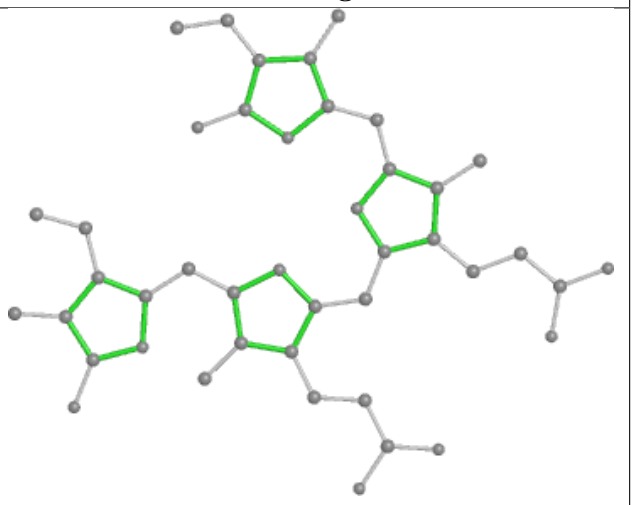

Rings

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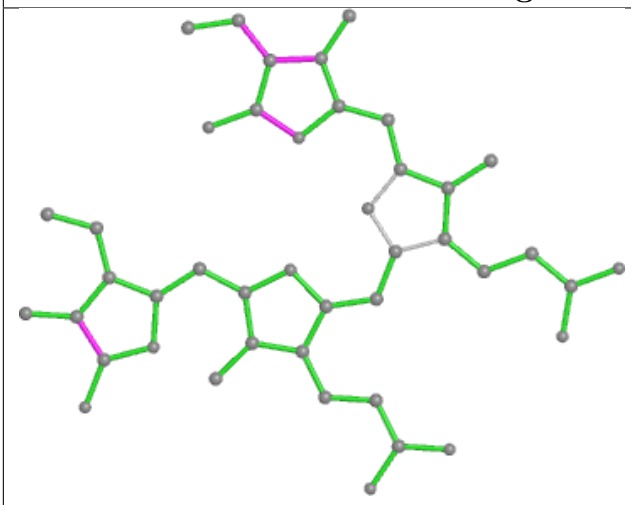

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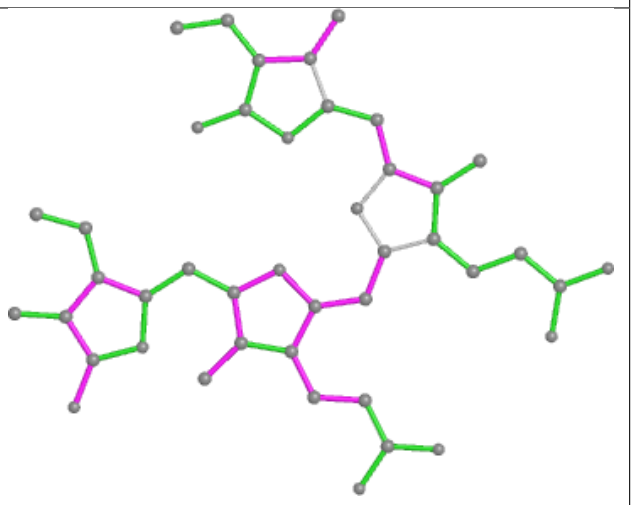

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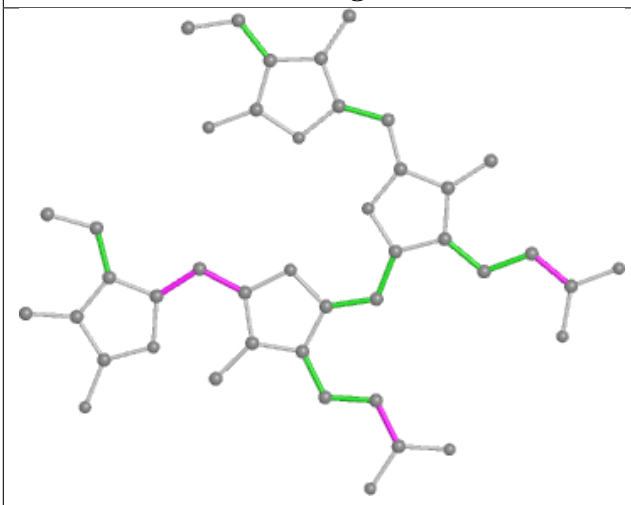

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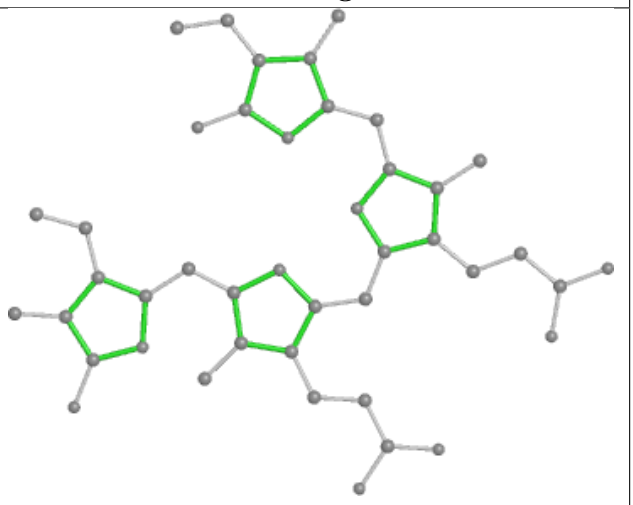

Rings

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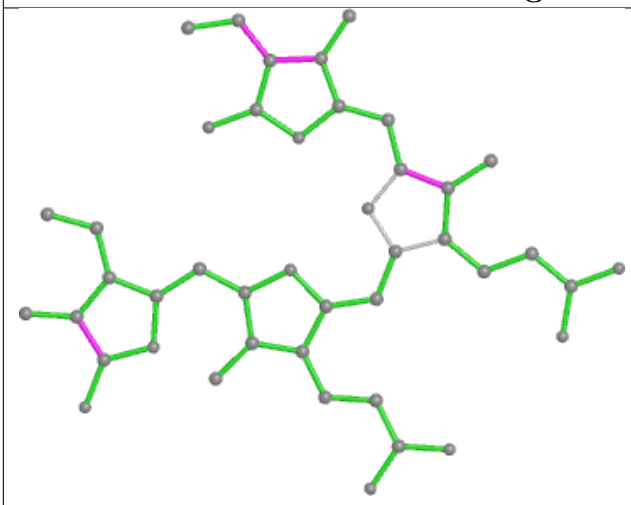

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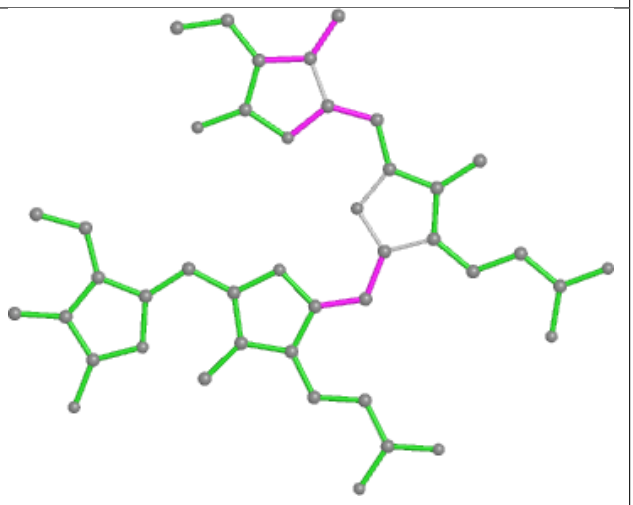

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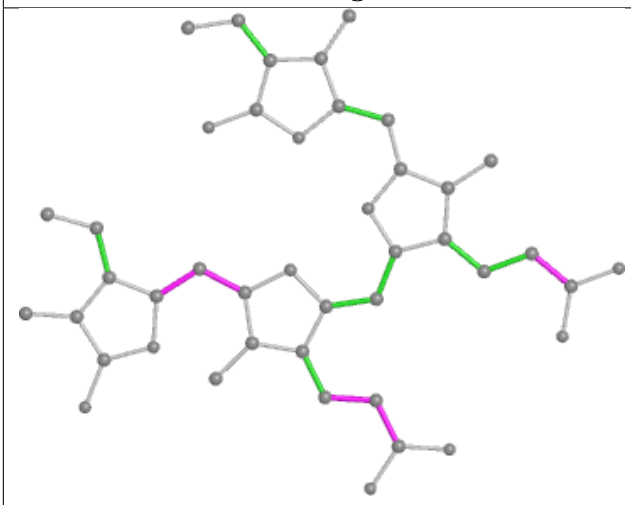

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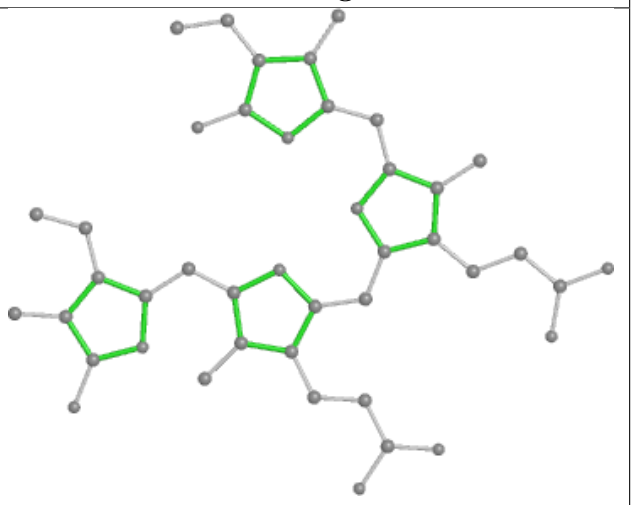

Rings

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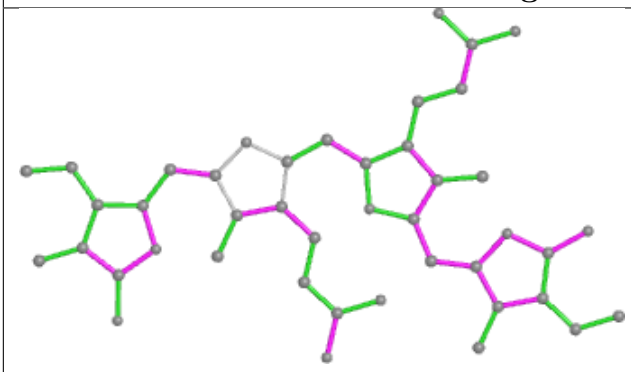

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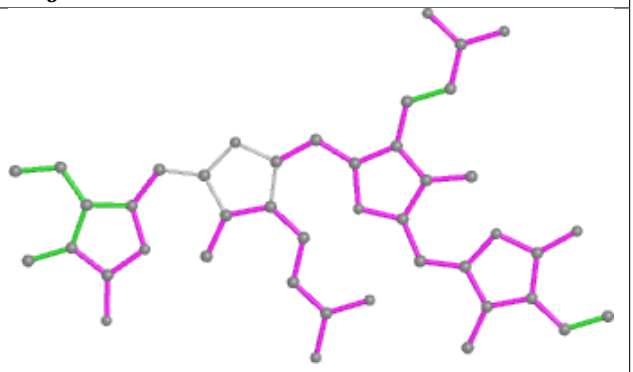

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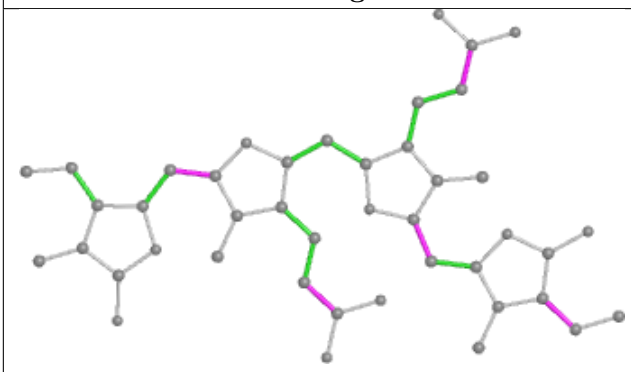

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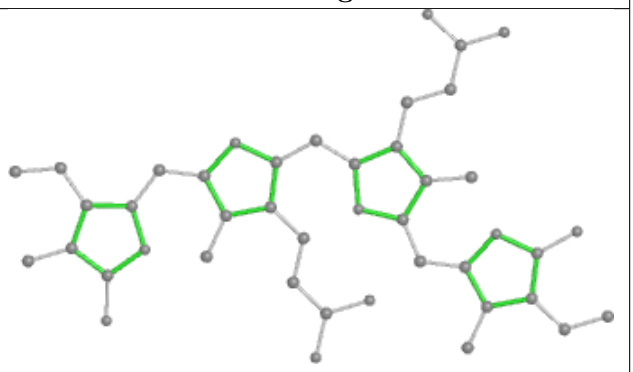

Rings

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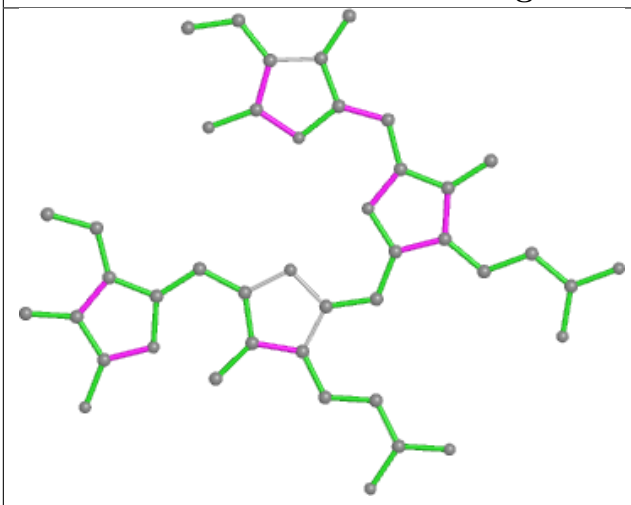

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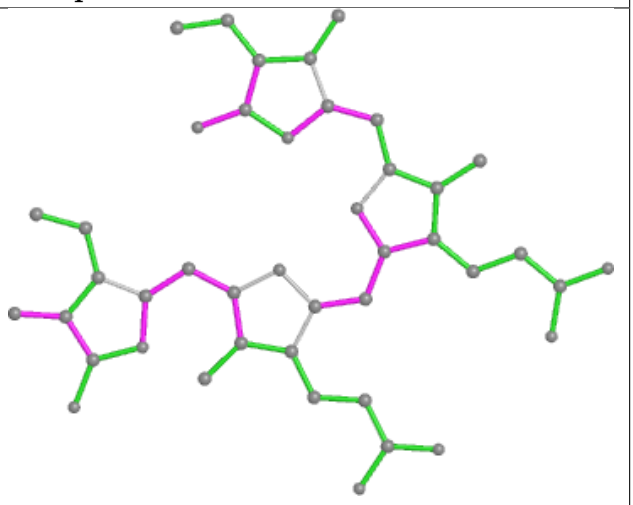

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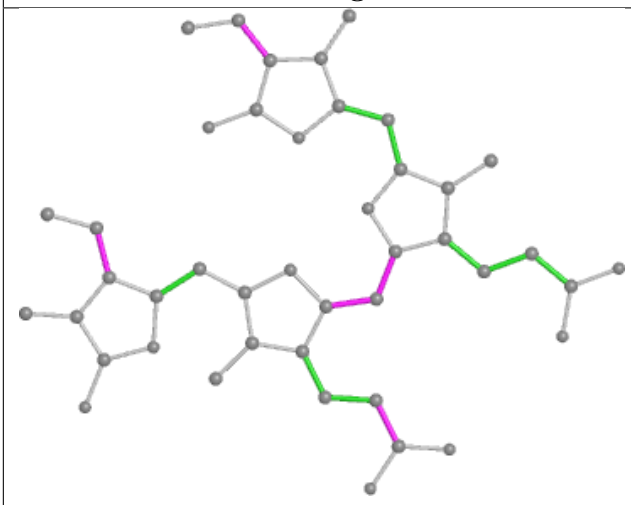

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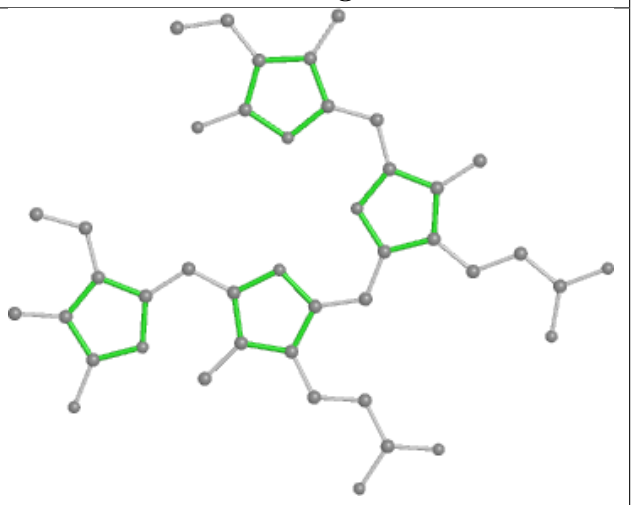
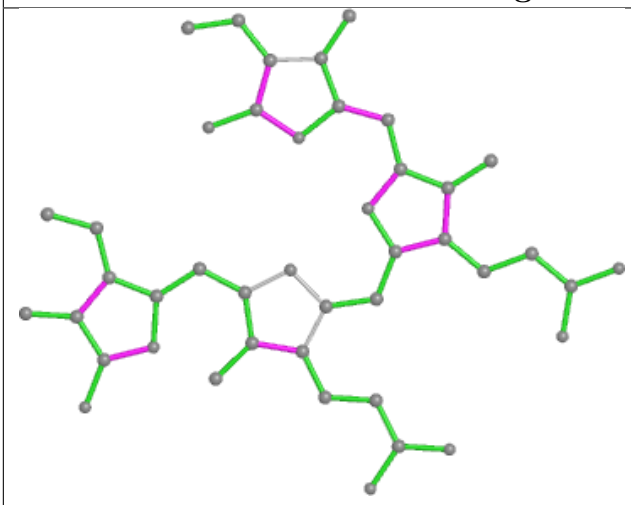


Rings

Ligand PUB P5 202



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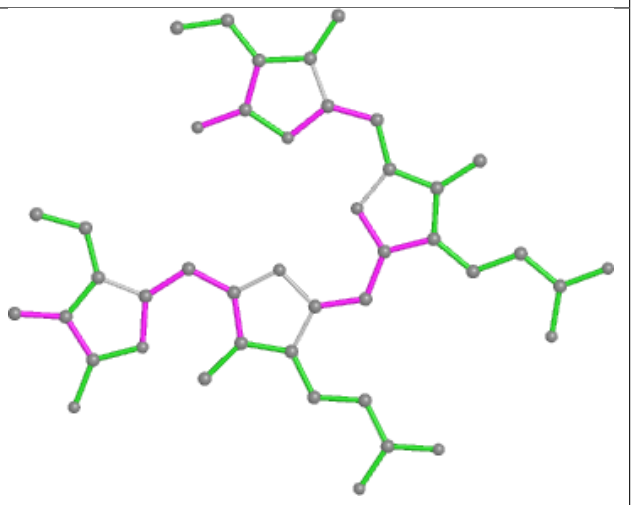

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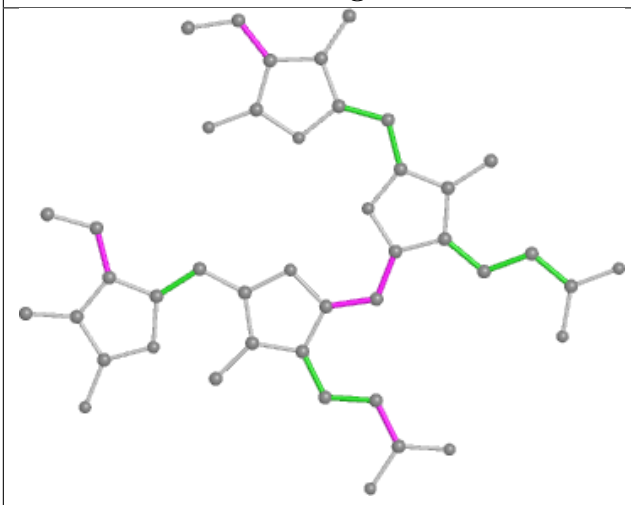

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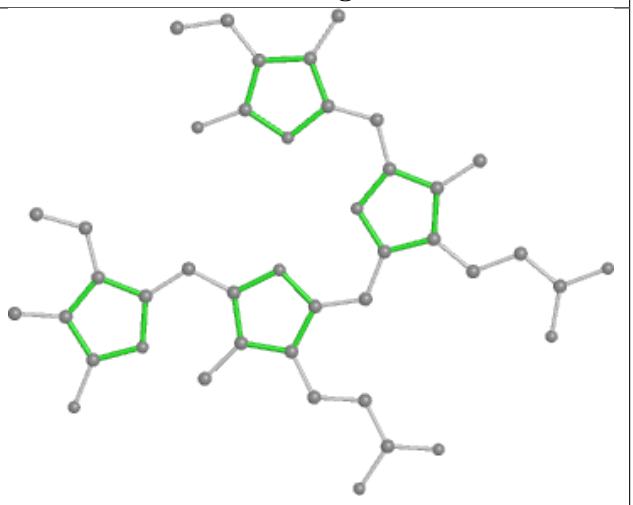
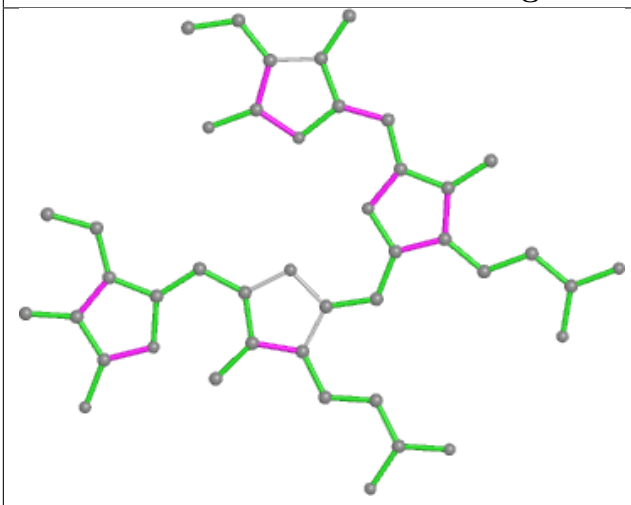


Rings

Ligand PUB l6 203



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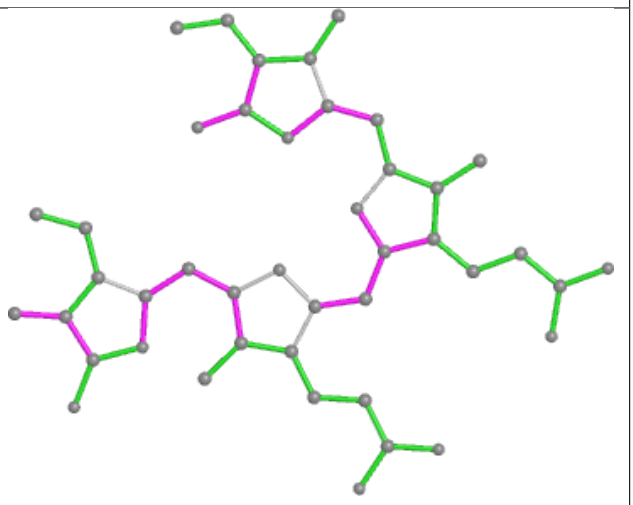

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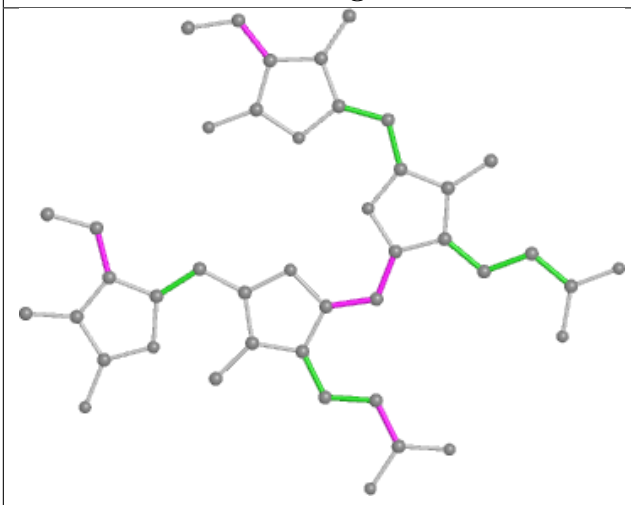

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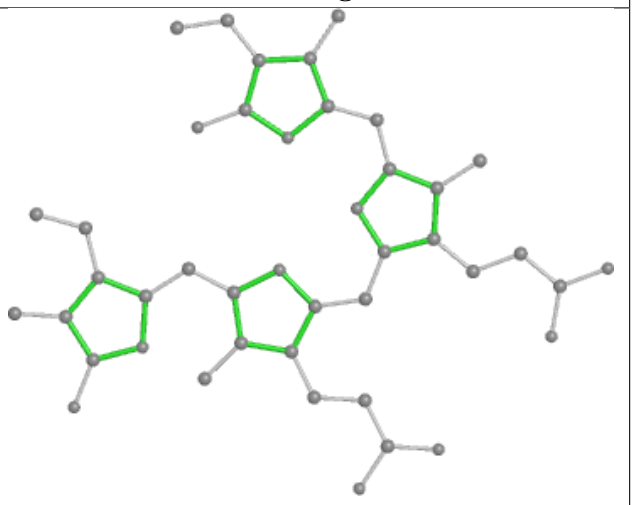
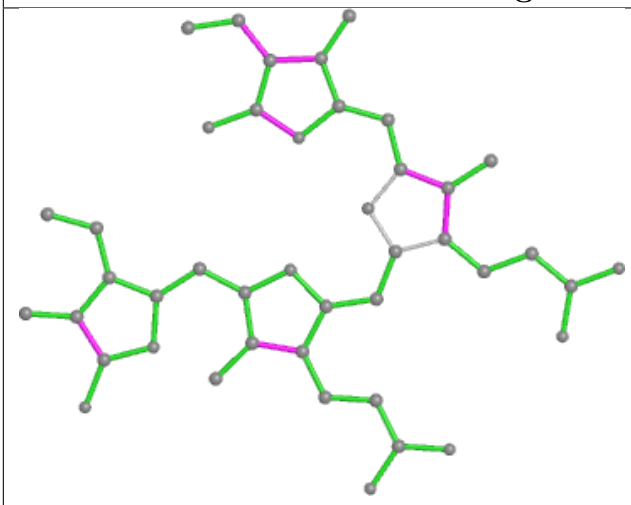


Rings

Ligand PEB V9 202



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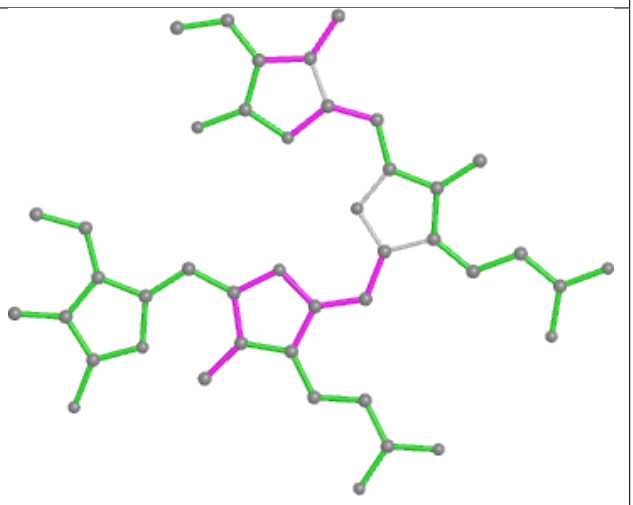

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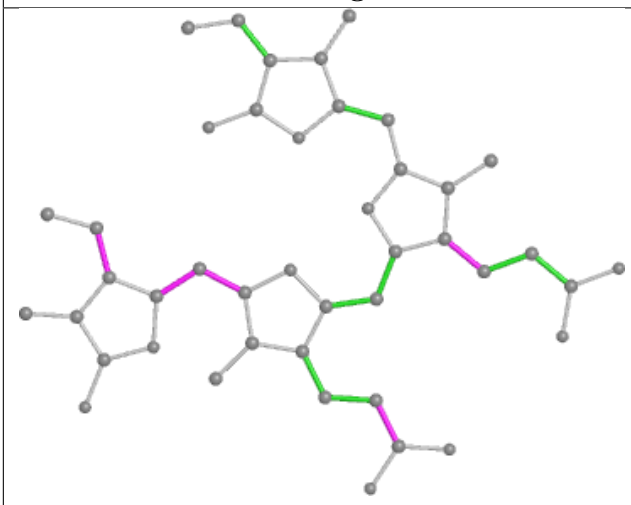
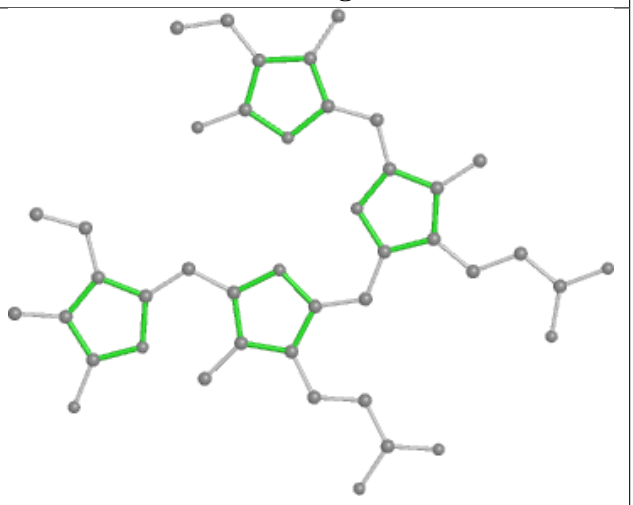
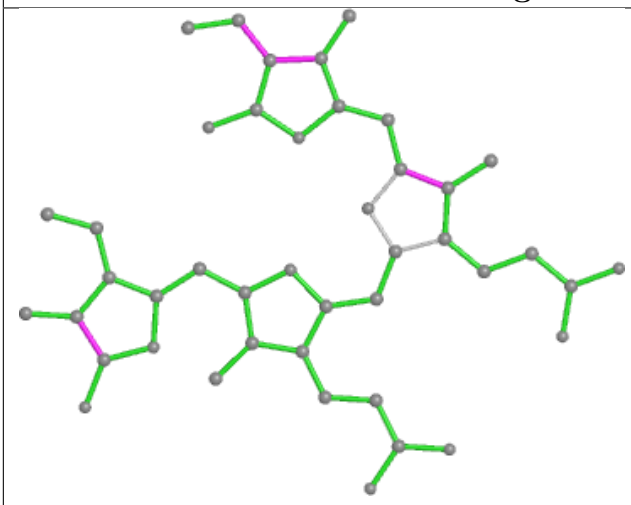


Torsions



Rings

Ligand PEB bG 202



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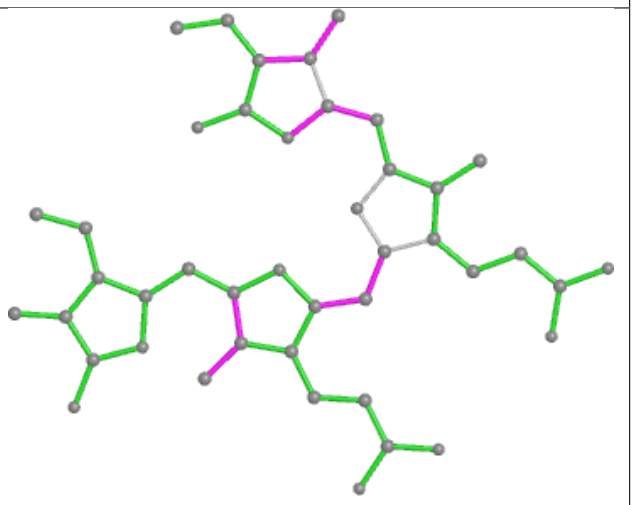

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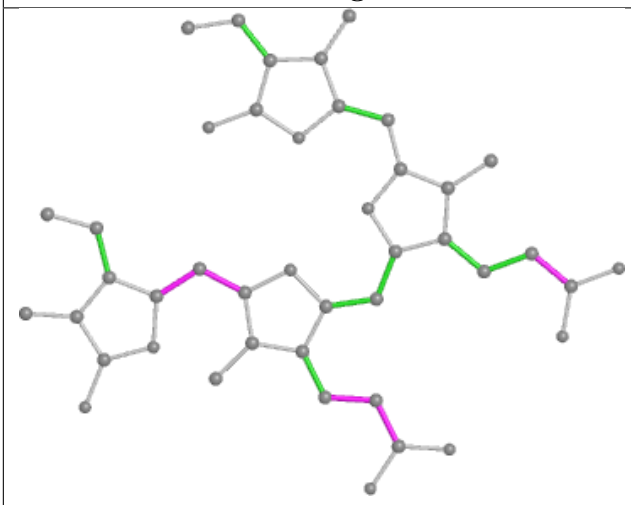

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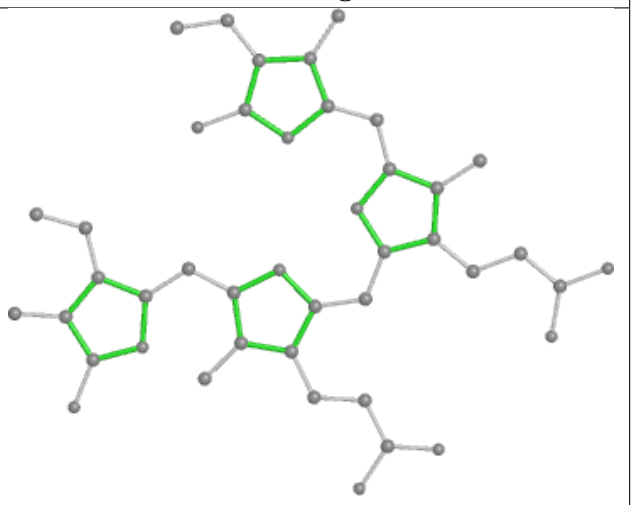
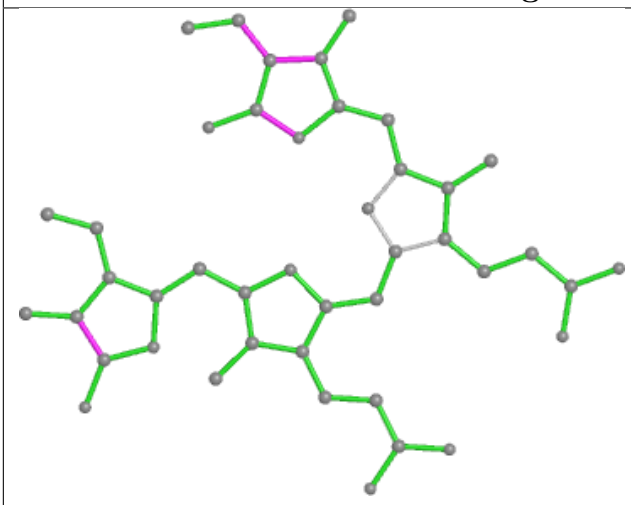


Rings

Ligand PEB cz 201



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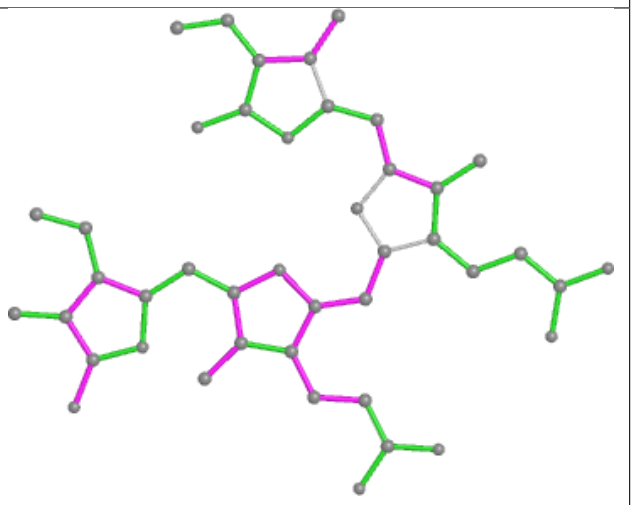

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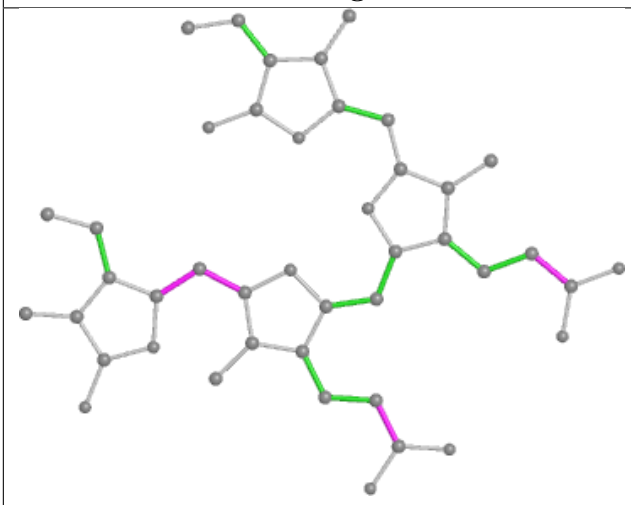

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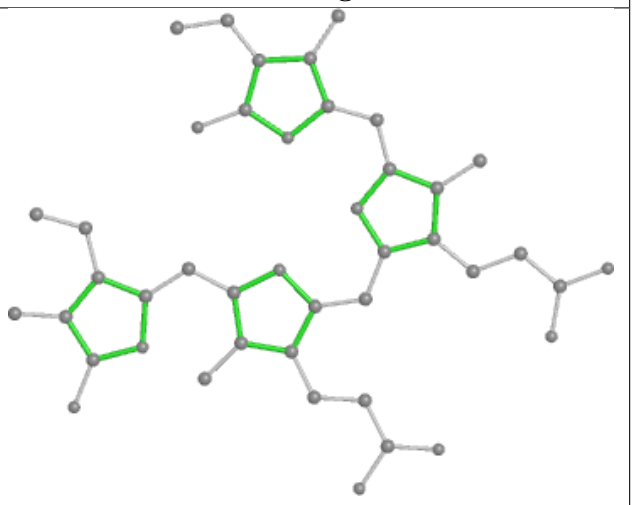

Rings

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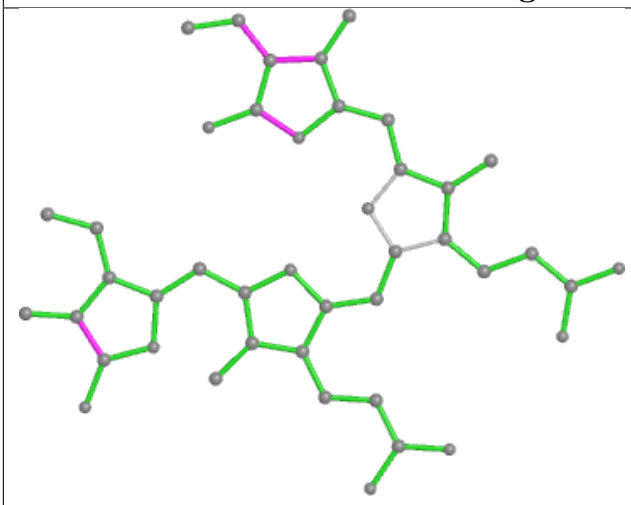

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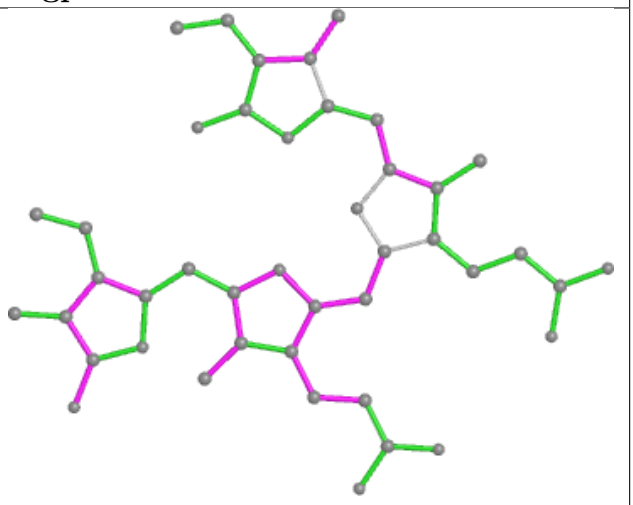

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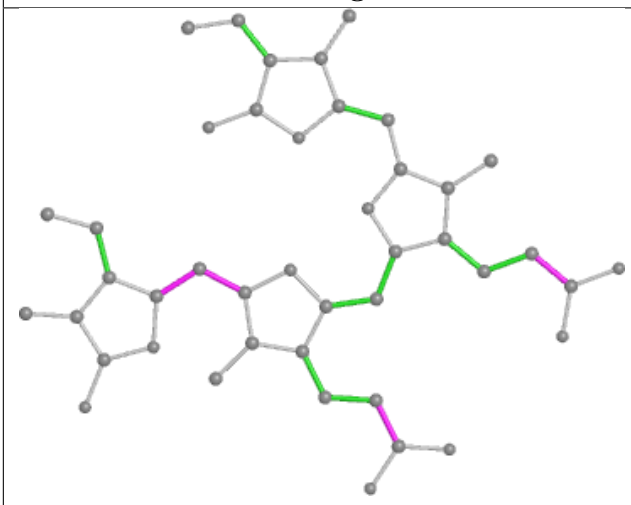

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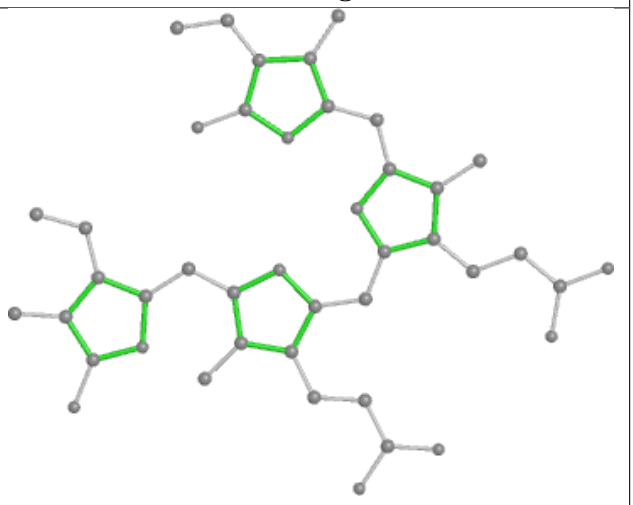
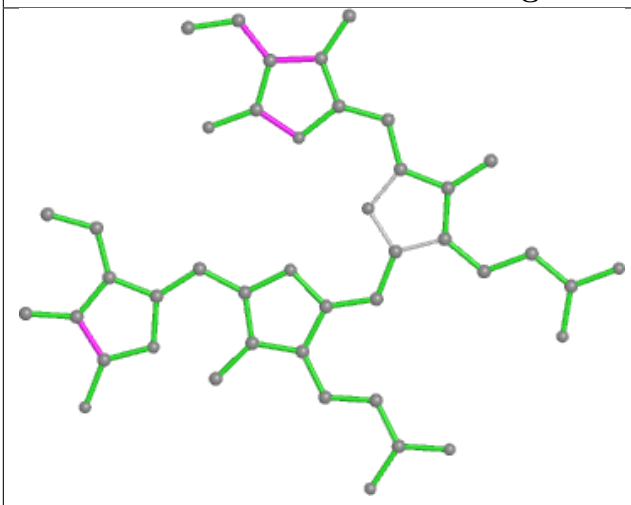


Rings

Ligand PEB ce 201



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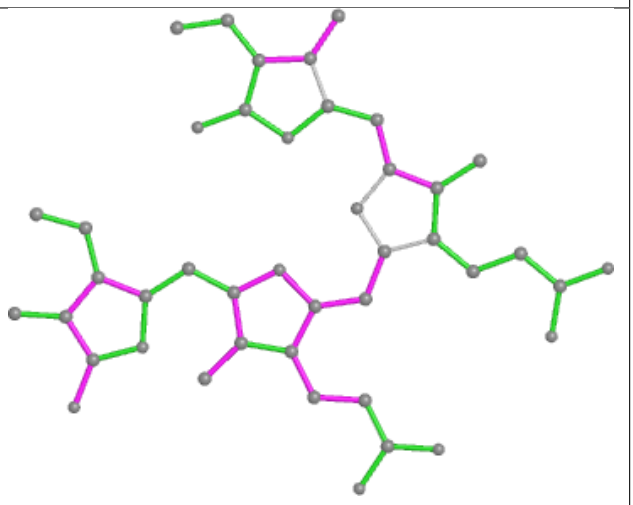

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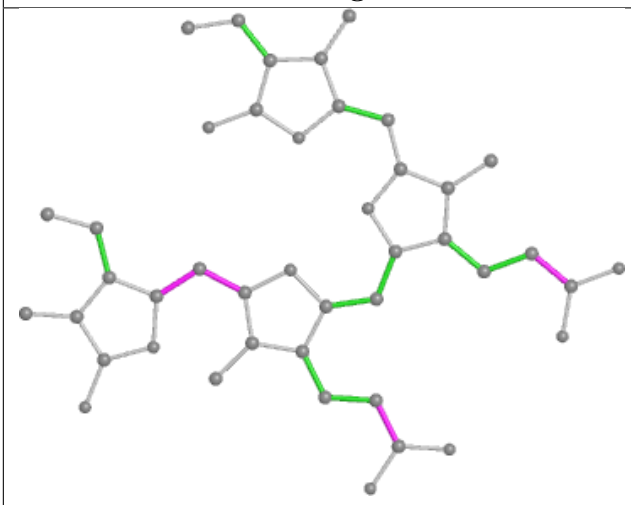

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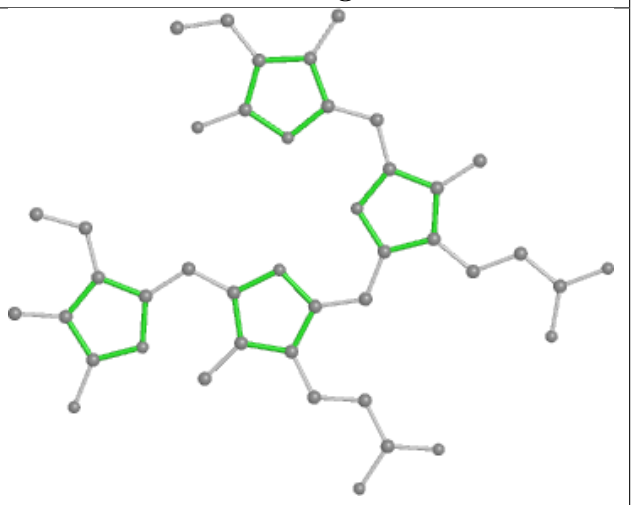
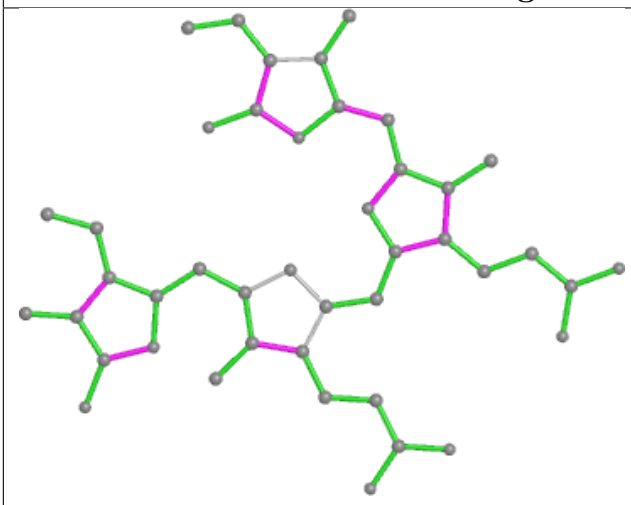


Rings

Ligand PUB x9 203



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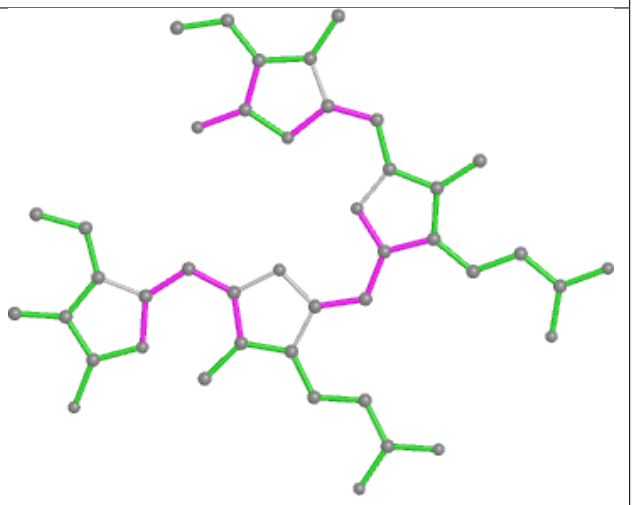

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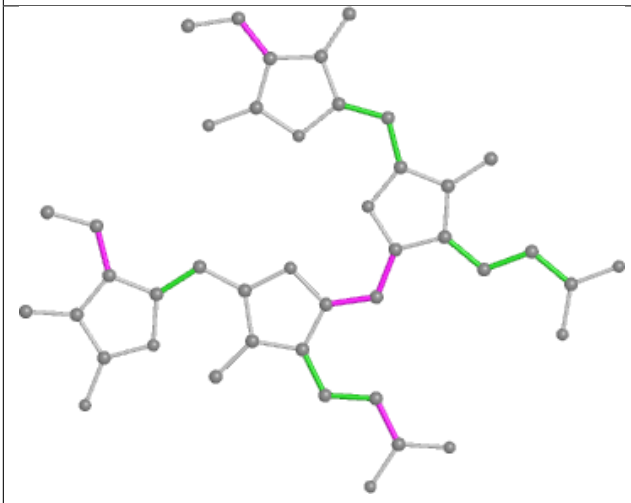

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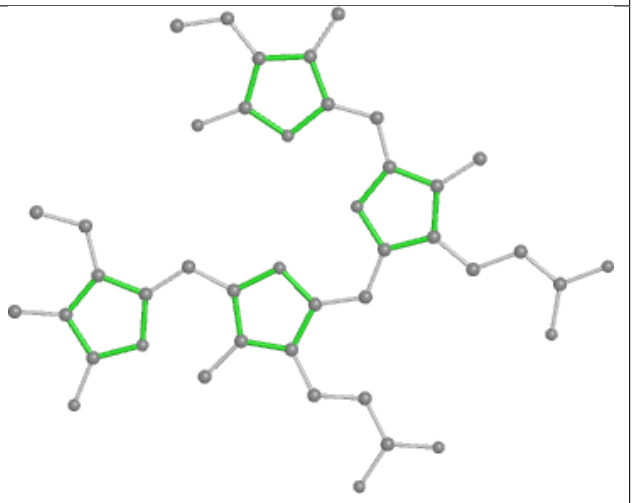

Rings

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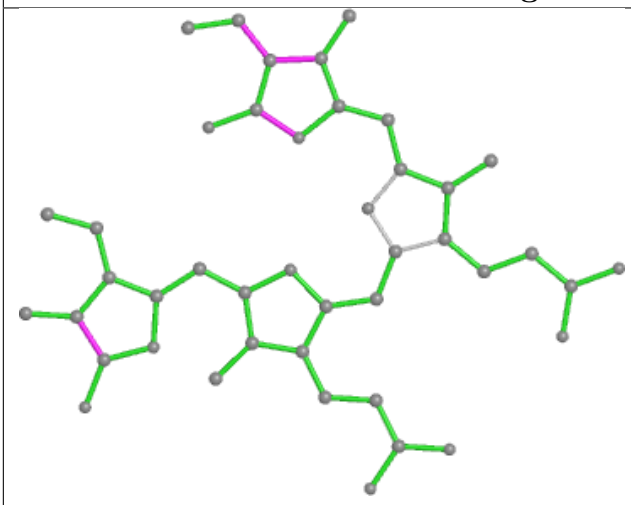

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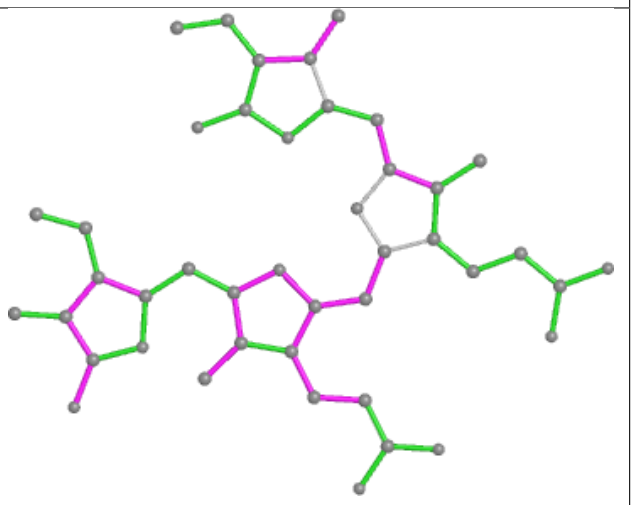

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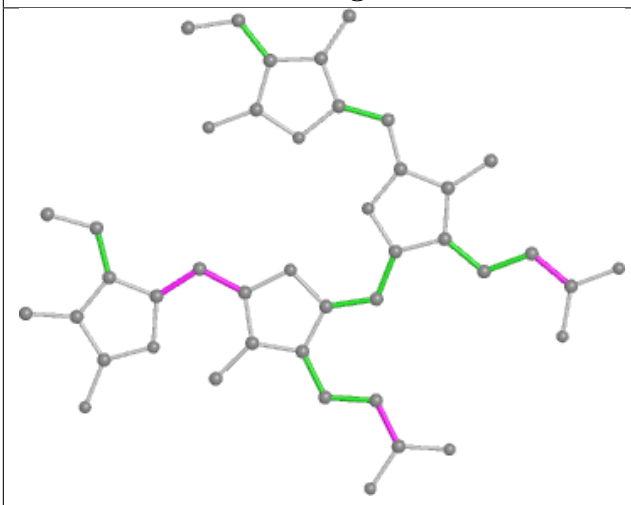

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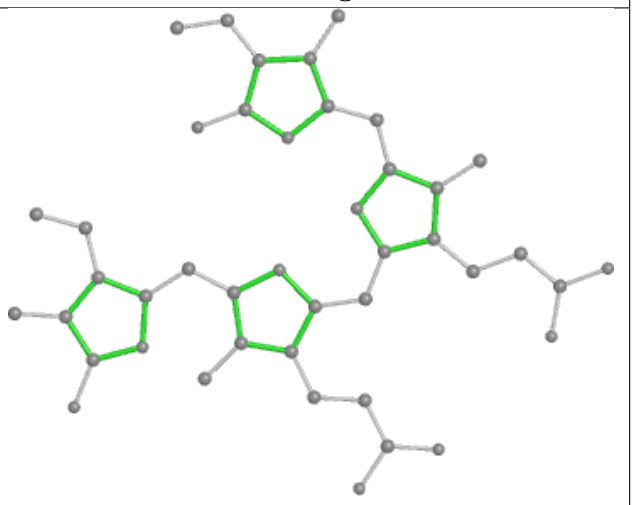

Rings

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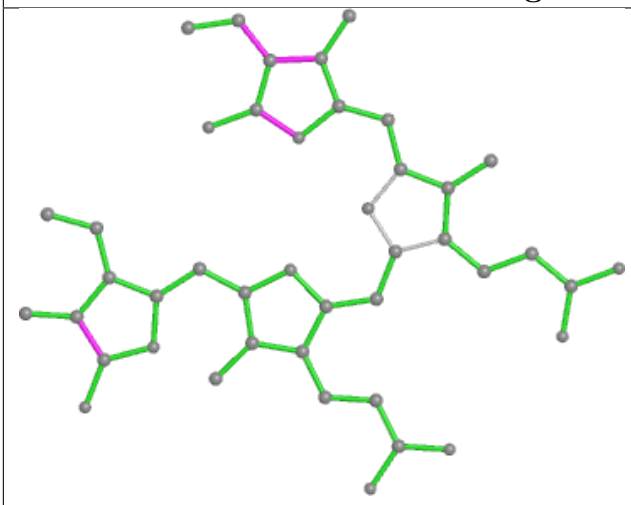

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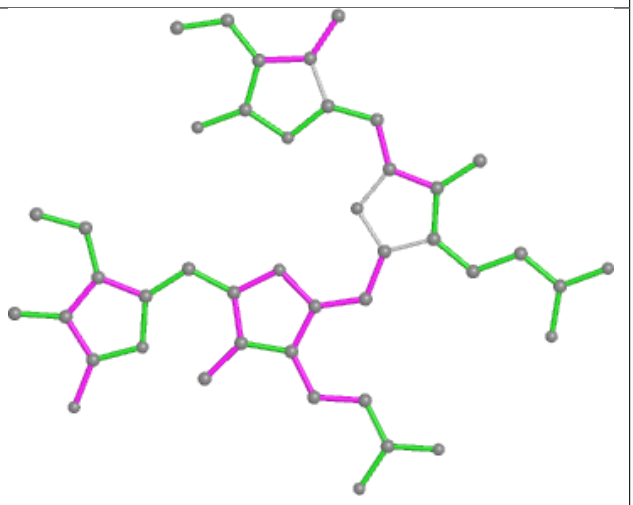

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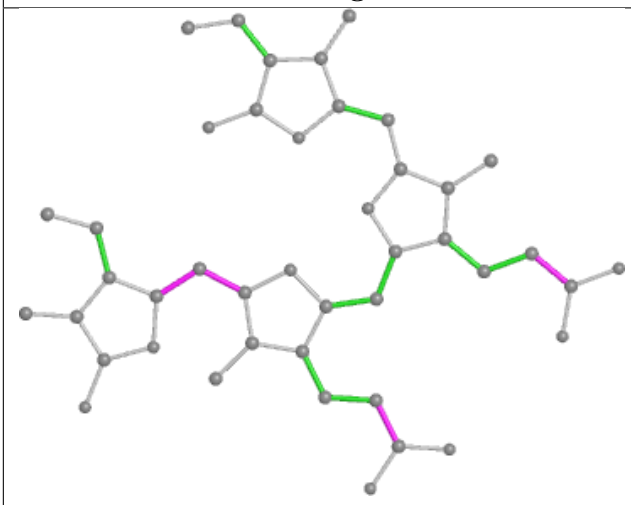

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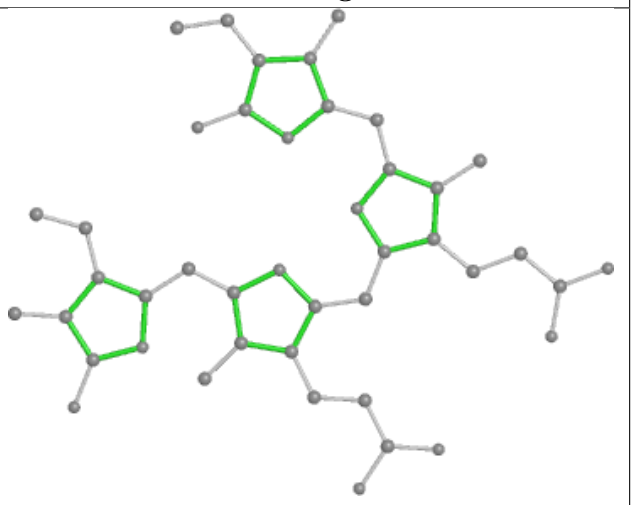

Rings

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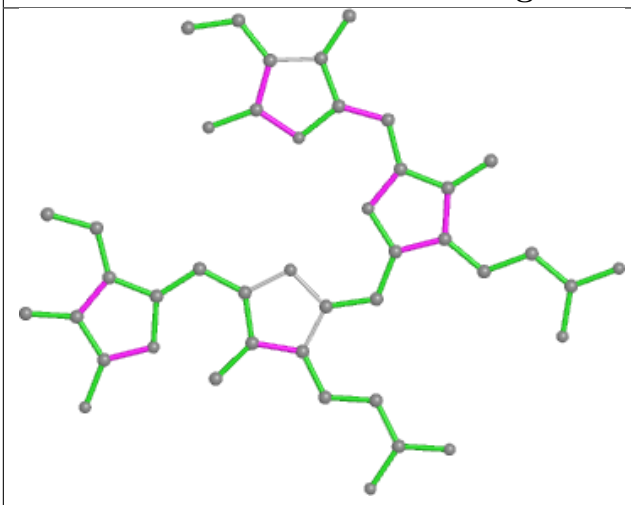

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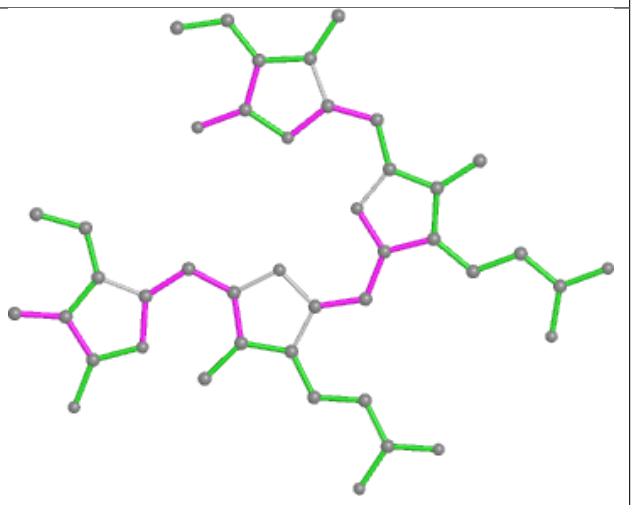

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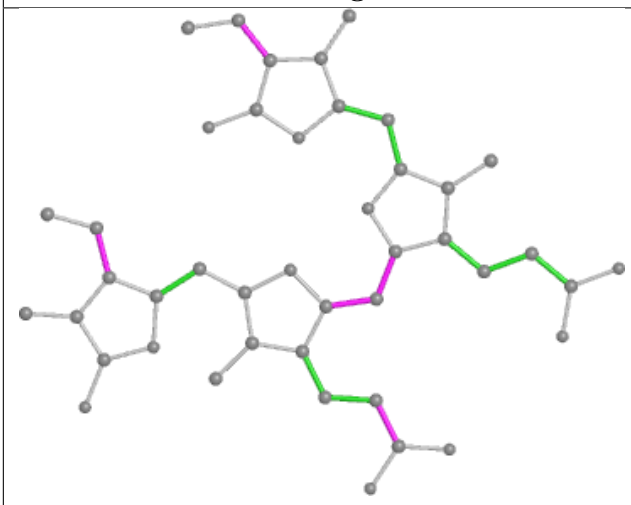

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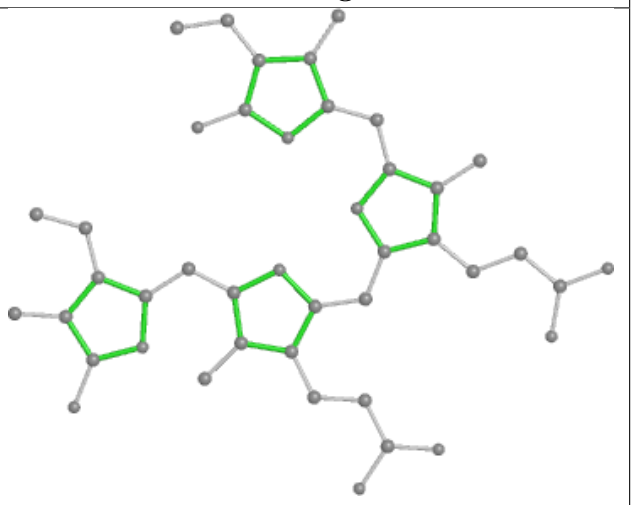

Rings

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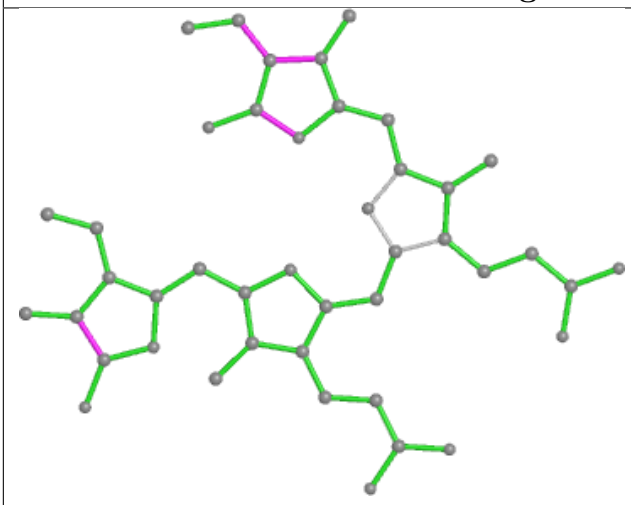

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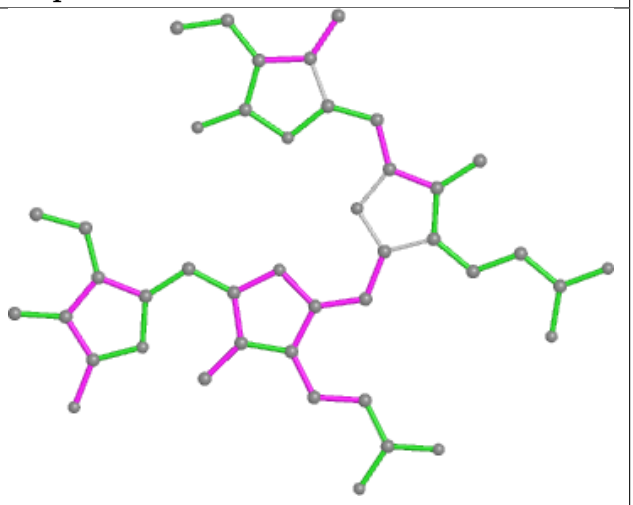

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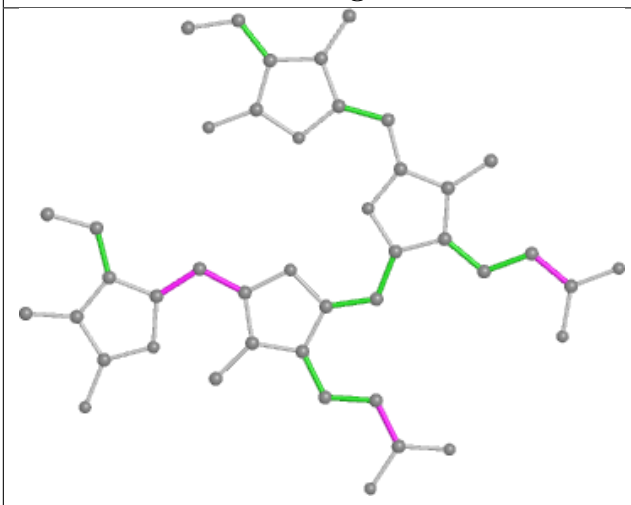

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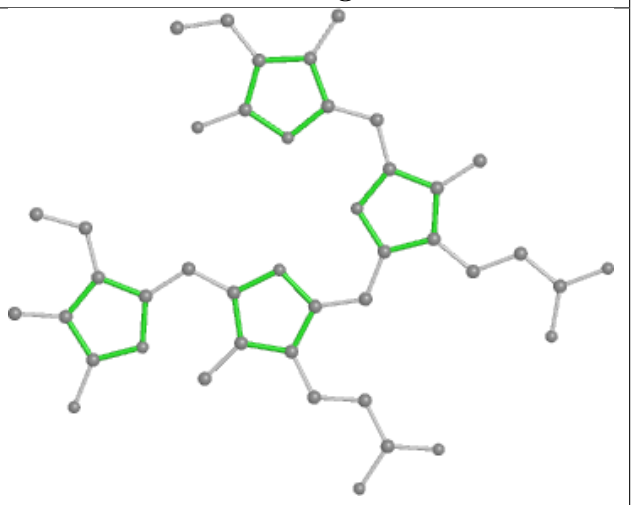

Rings

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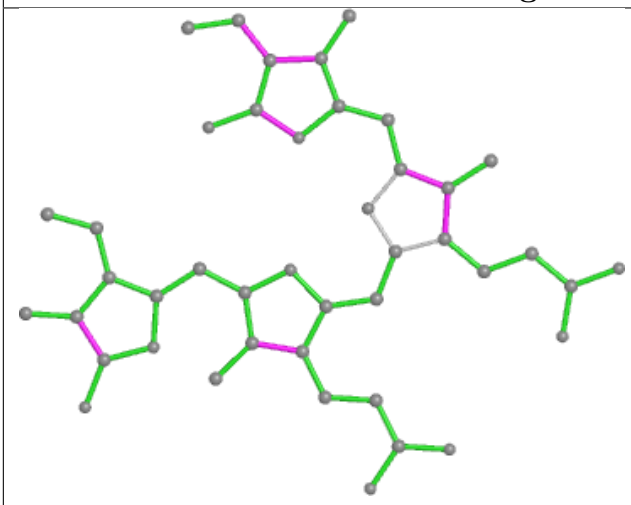

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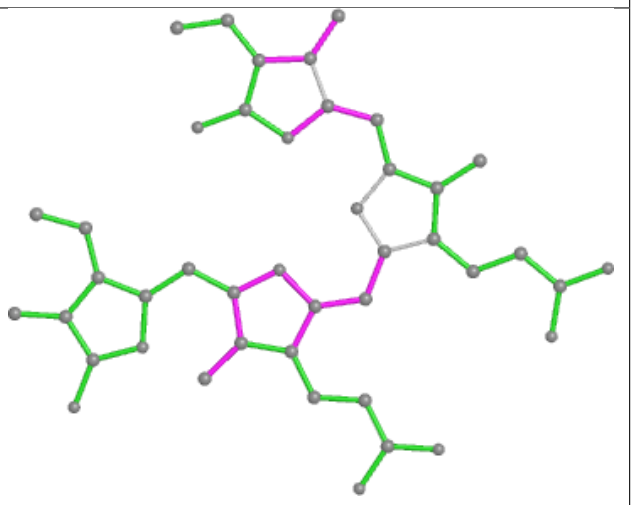

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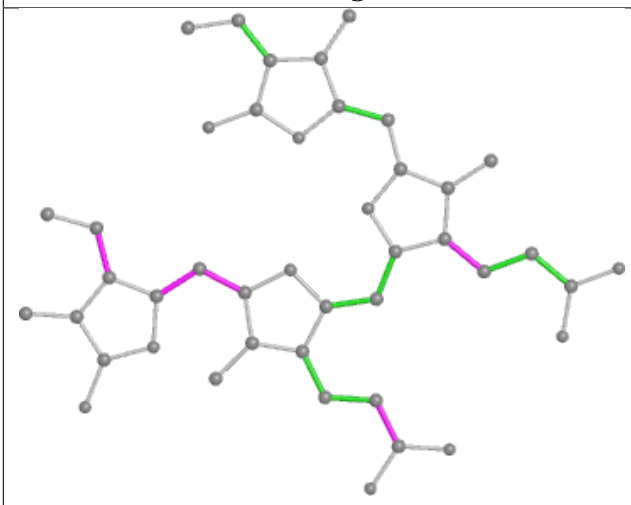

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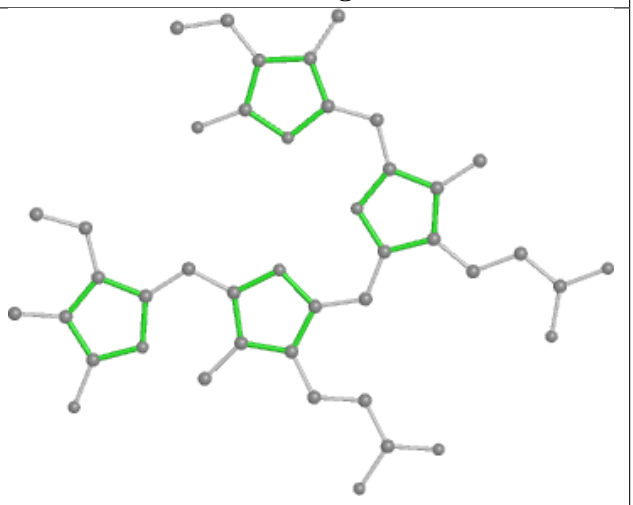
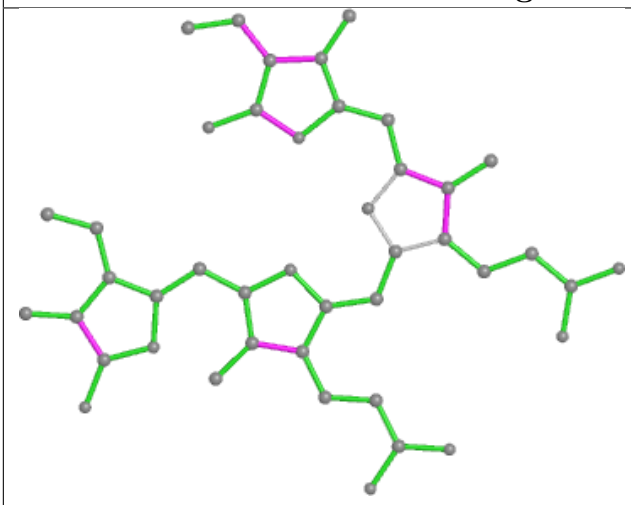


Rings

Ligand PEB C8 202



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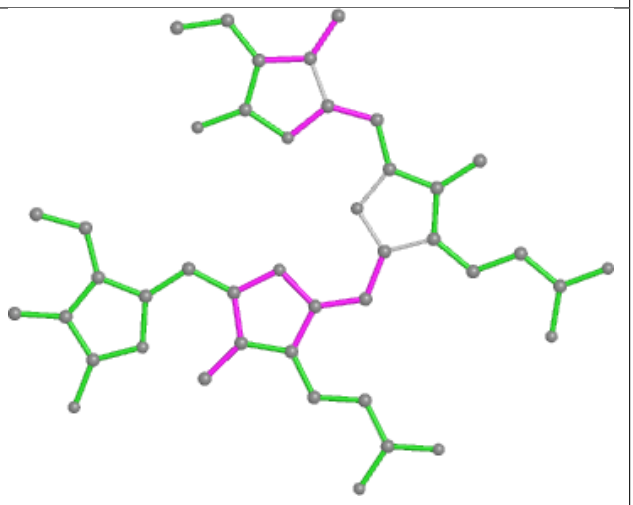

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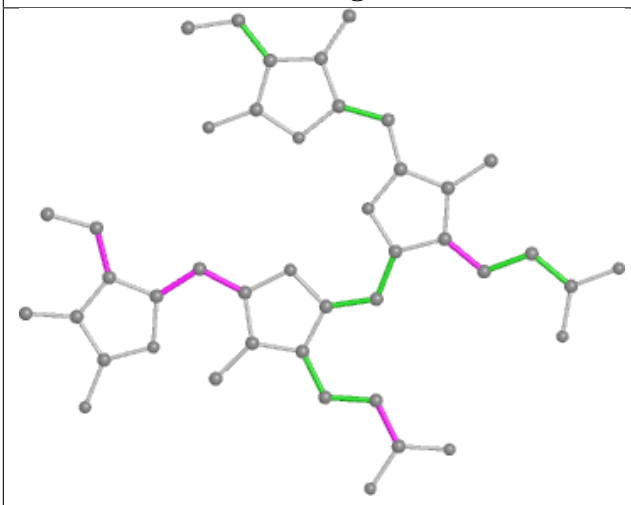

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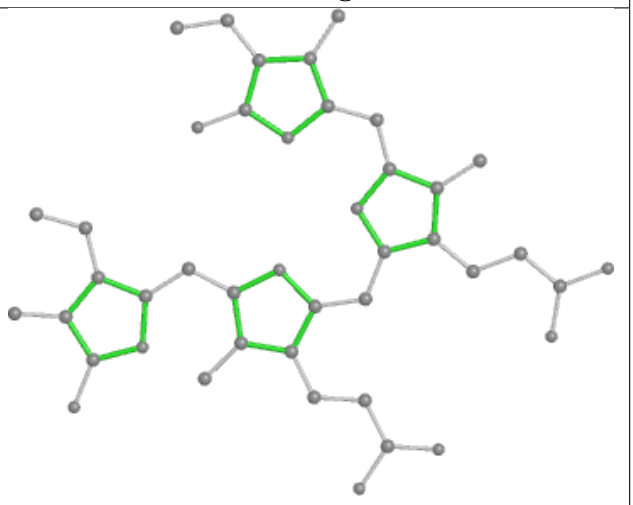
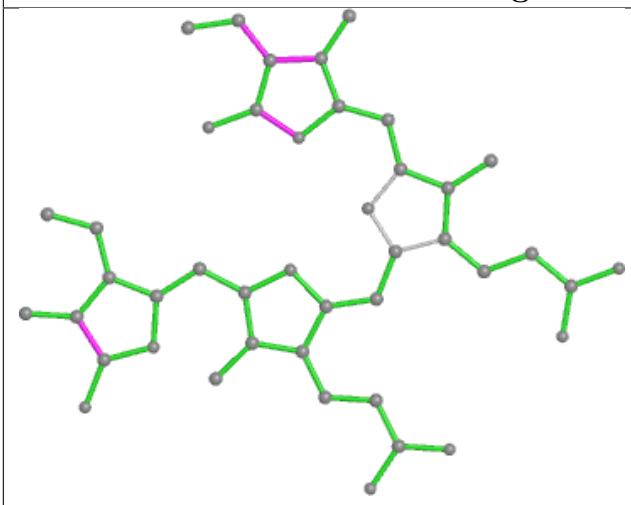


Rings

Ligand PEB bs 1001



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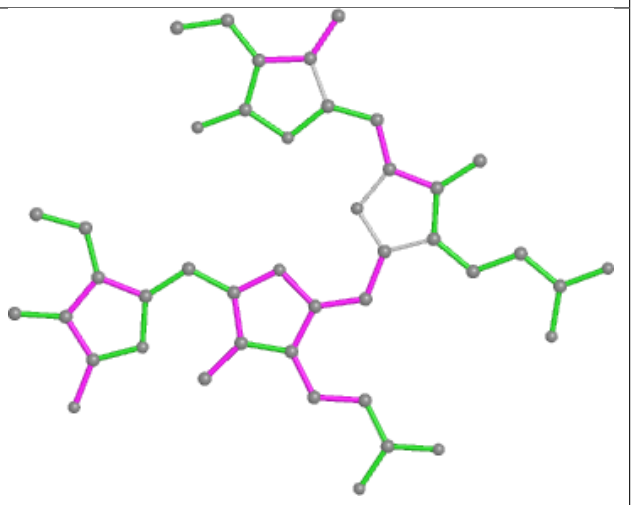
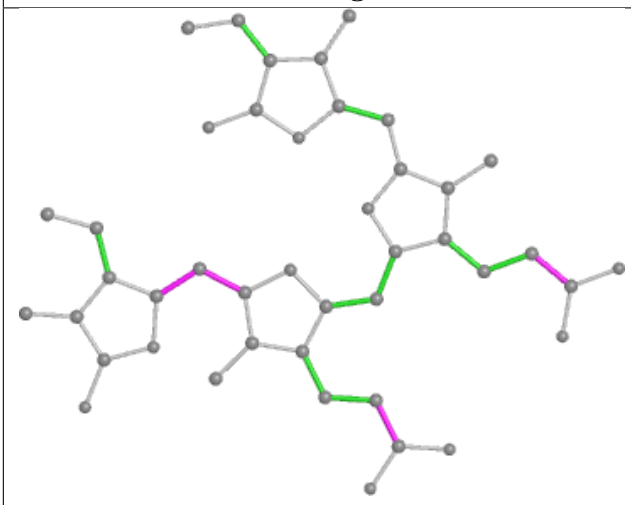


Bond angles



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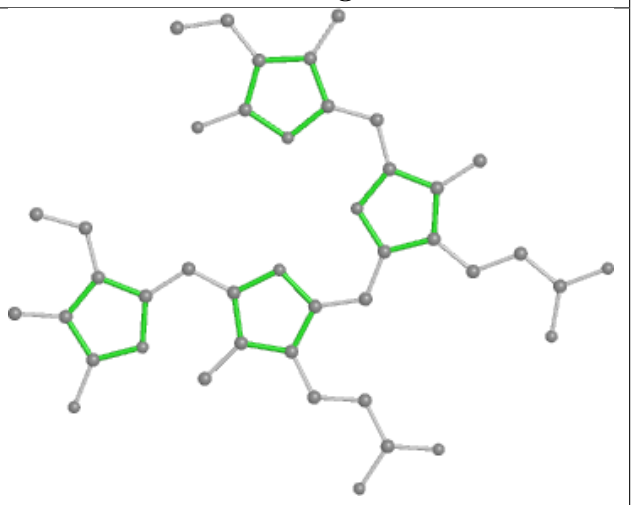
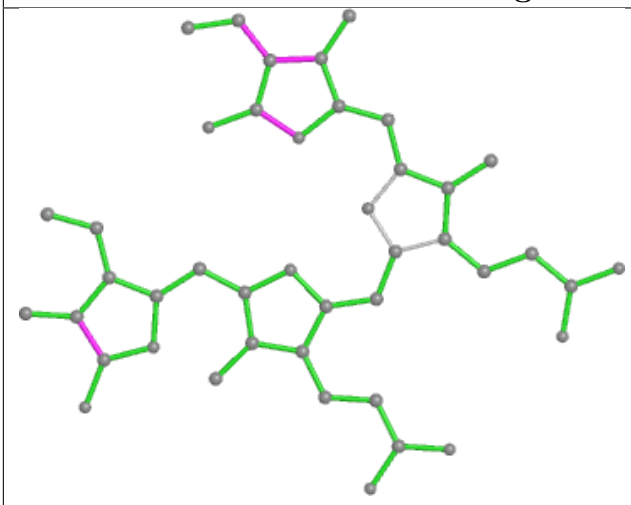


Rings

Ligand PEB hY 403



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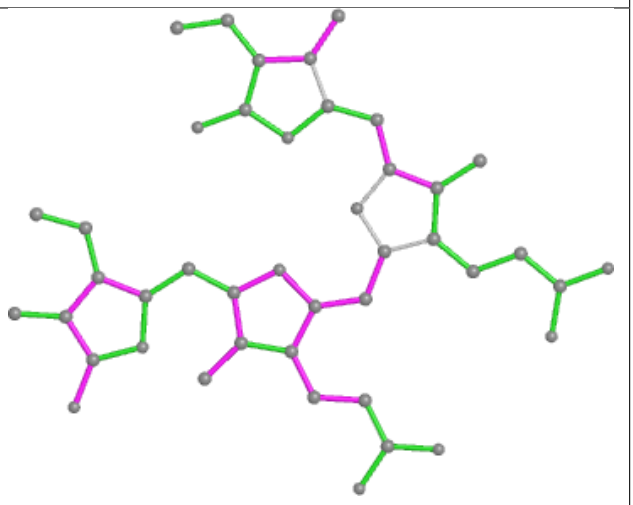
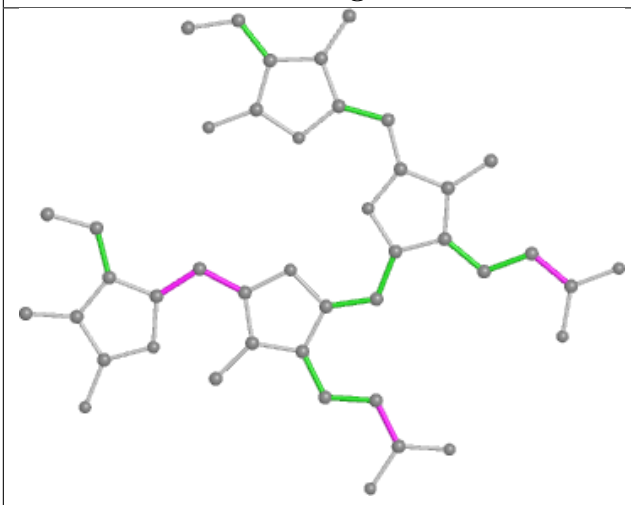
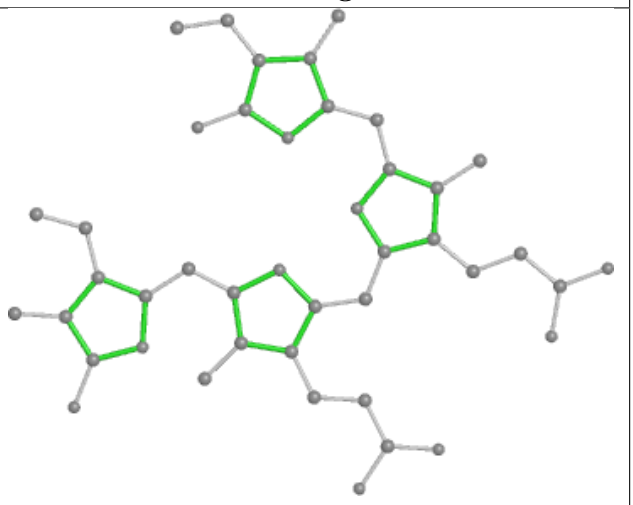


Bond angles

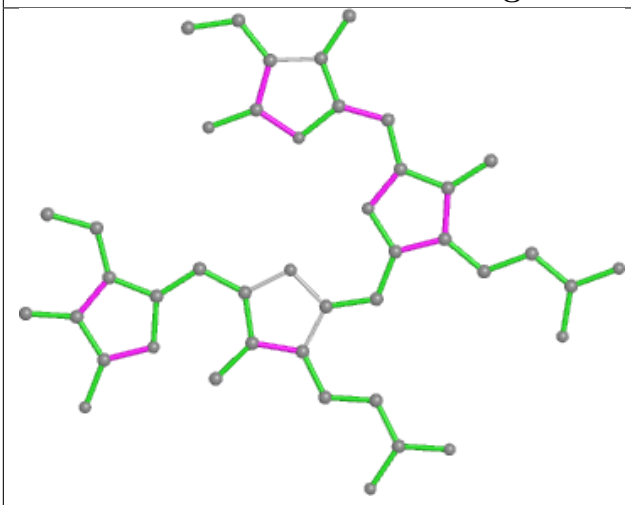


Torsions



Rings

Ligand PUB bY 1006



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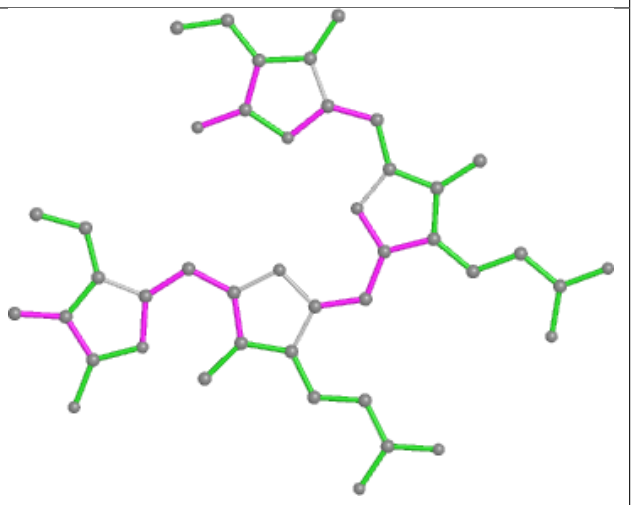

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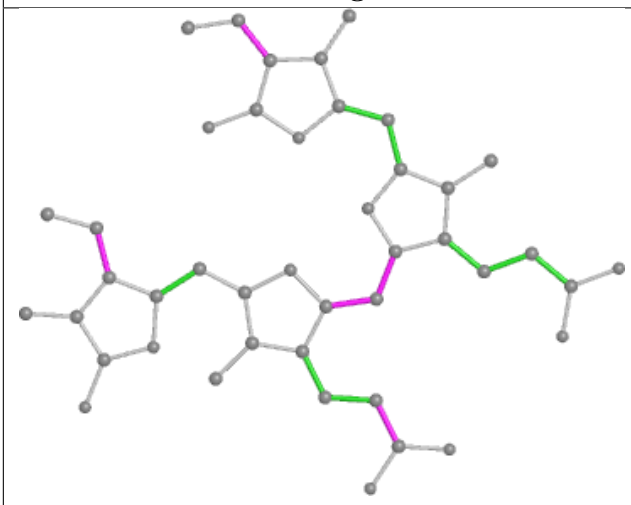

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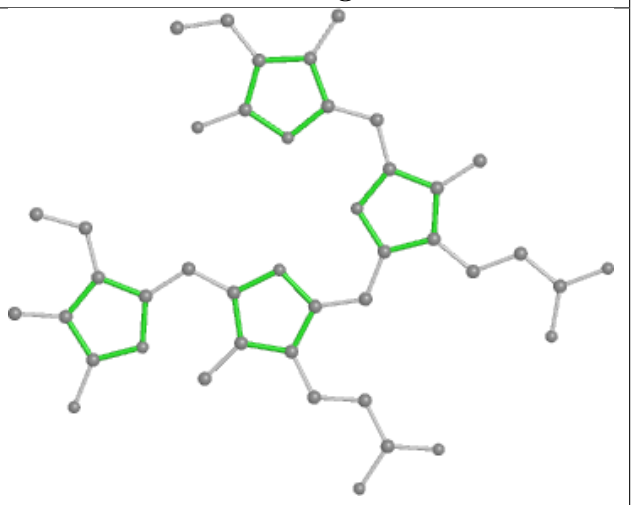
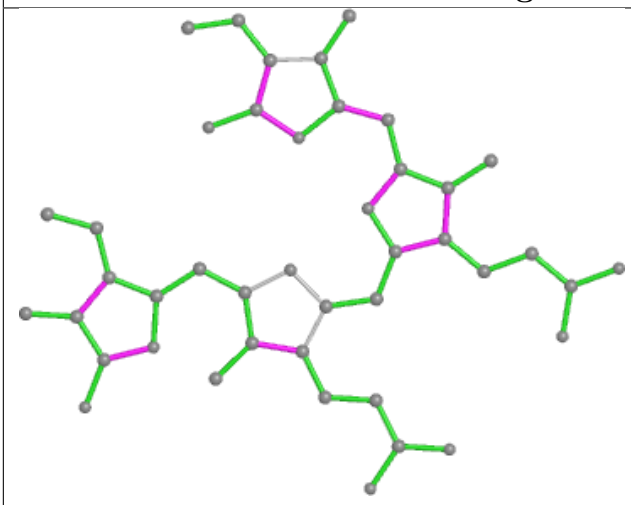


Rings

Ligand PUB L7 202



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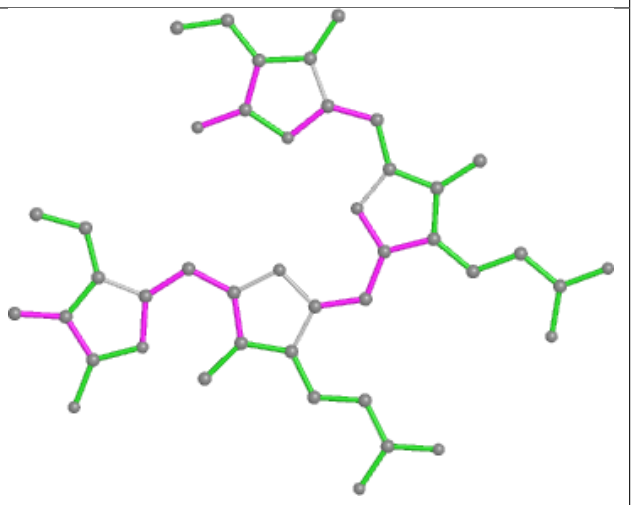

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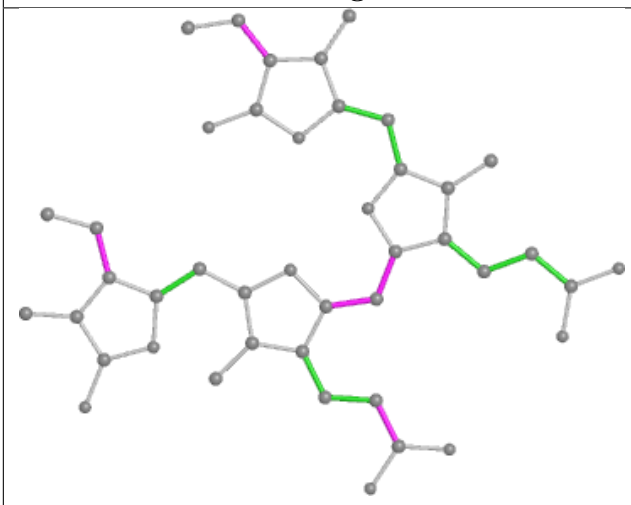

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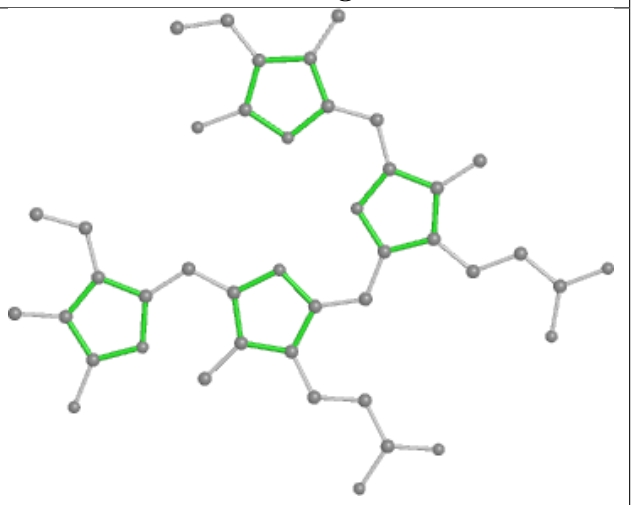

Rings

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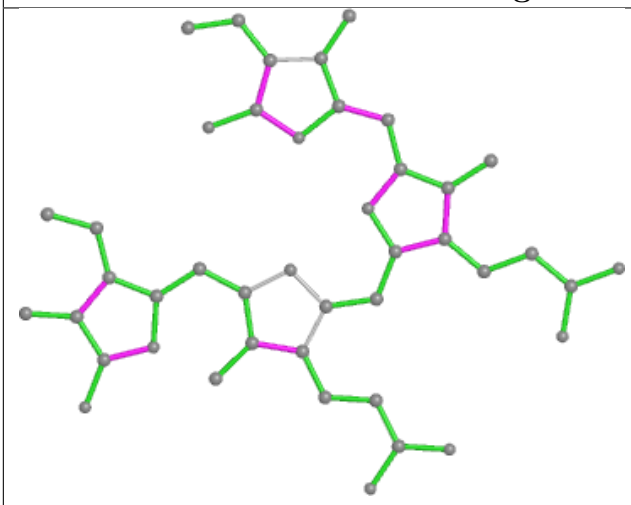

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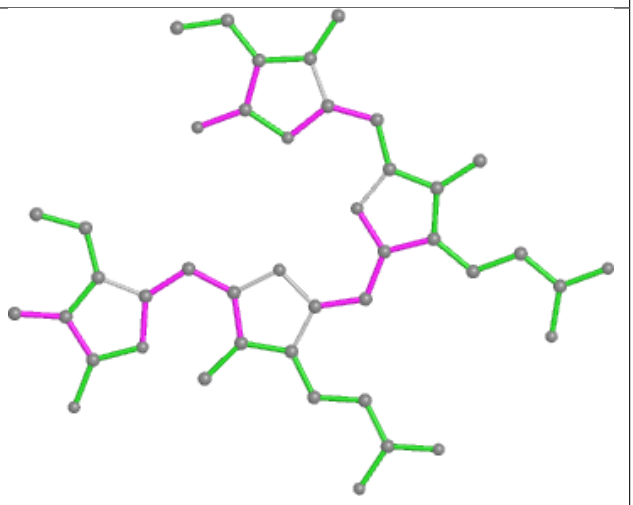
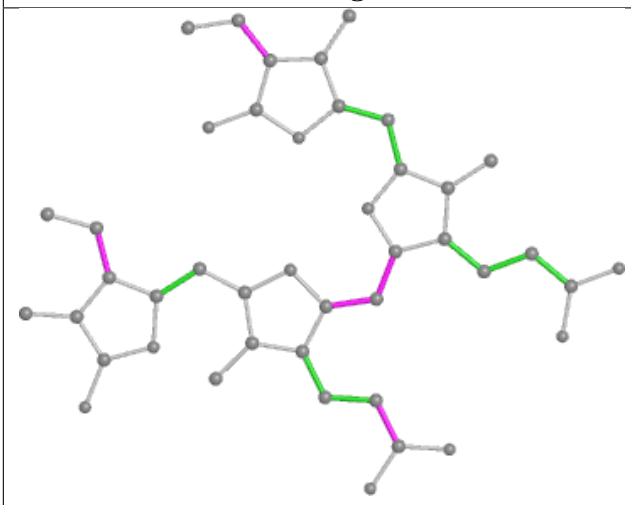


Bond angles



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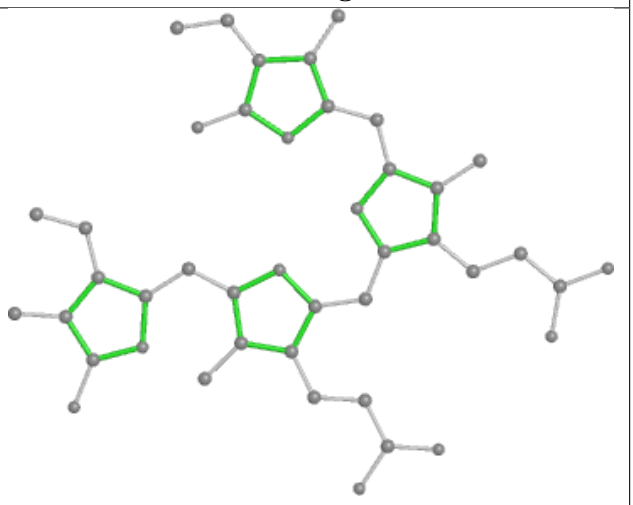
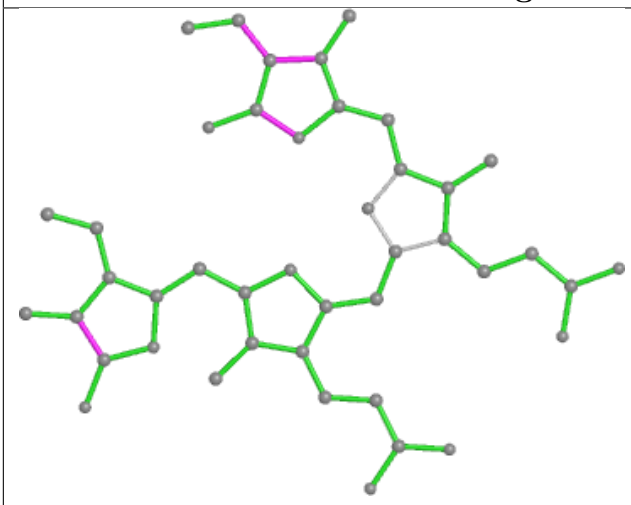


Rings

Ligand PEB dT 201



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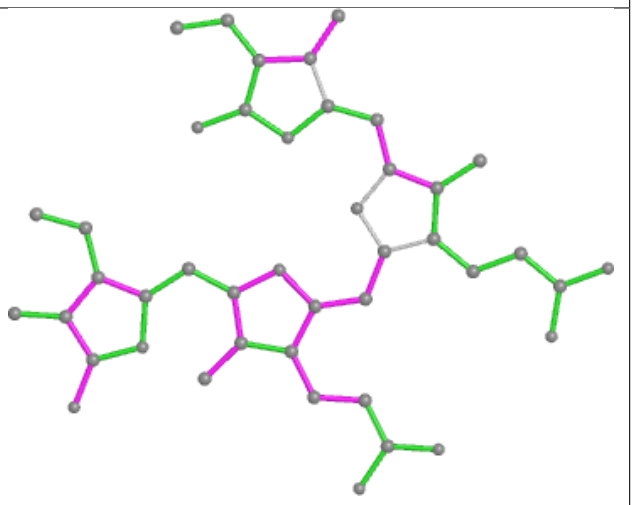

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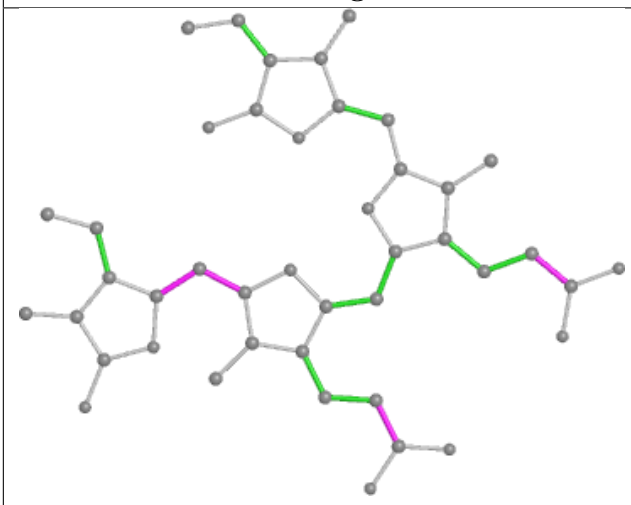

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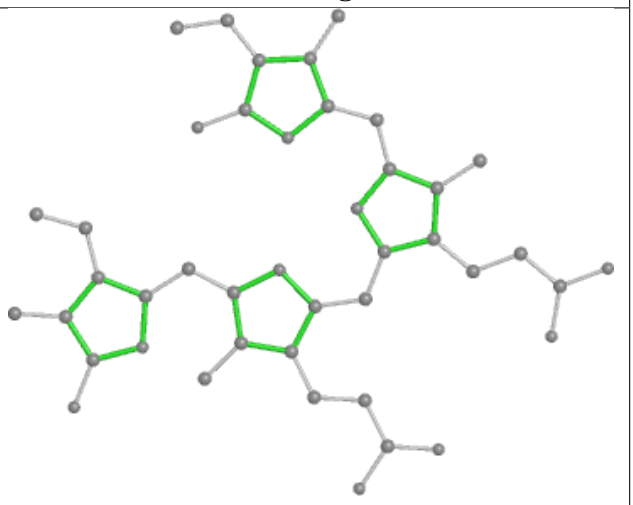

Rings

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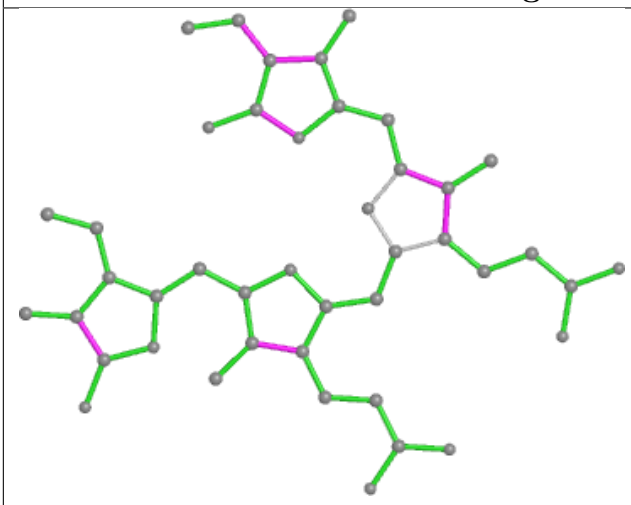

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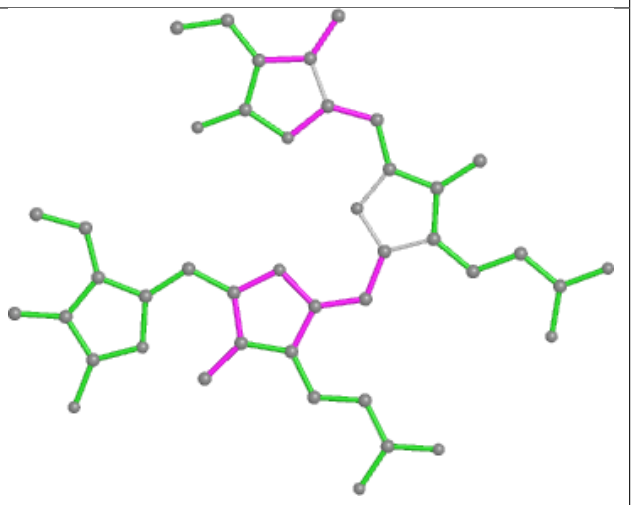

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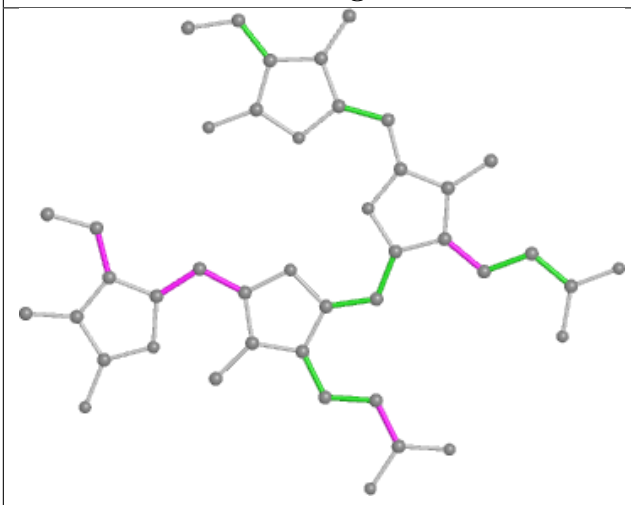

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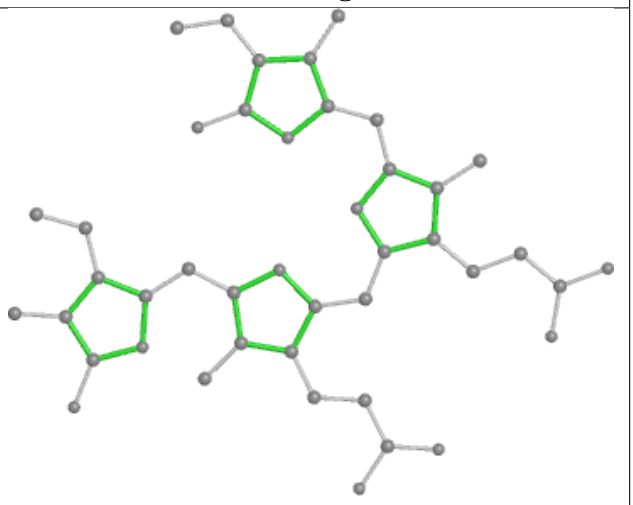
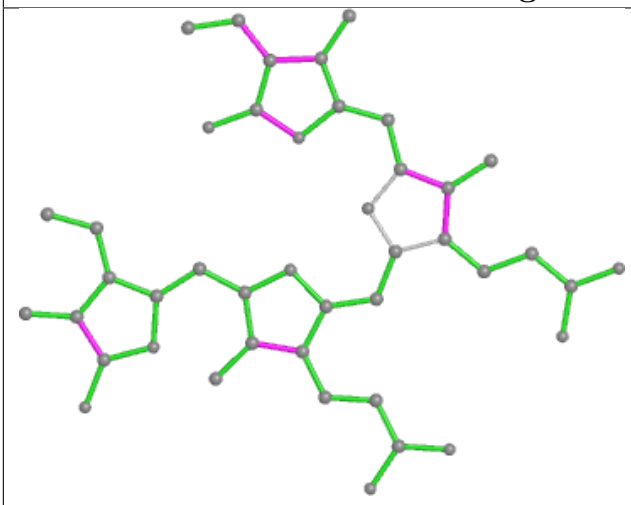


Rings

Ligand PEB ap 202



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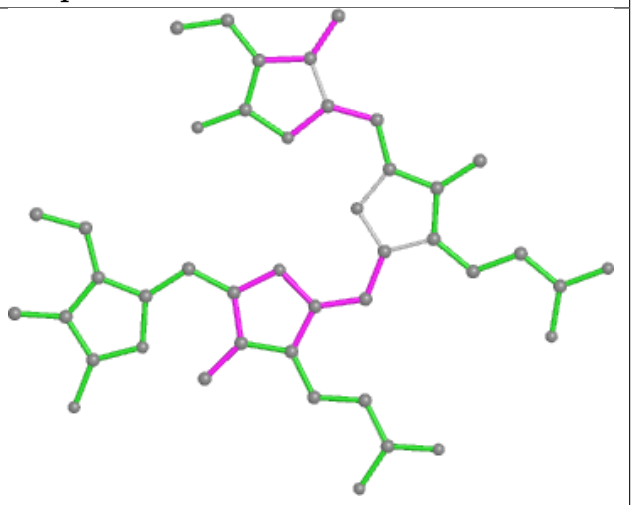

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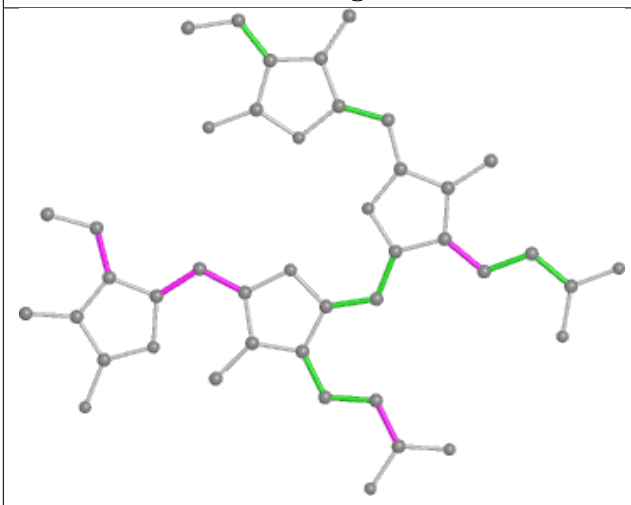

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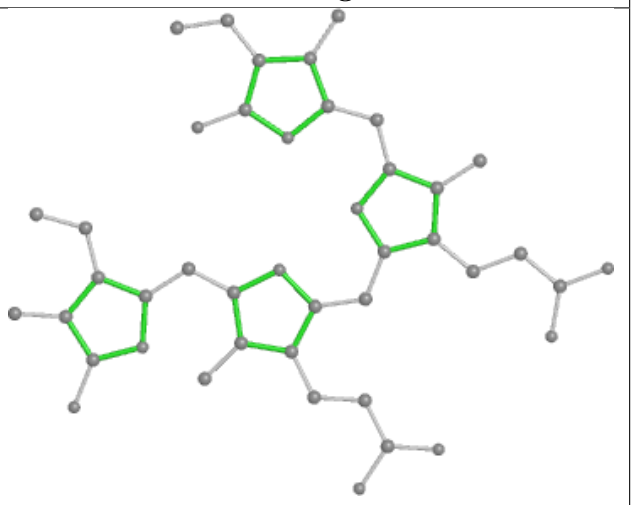

Rings

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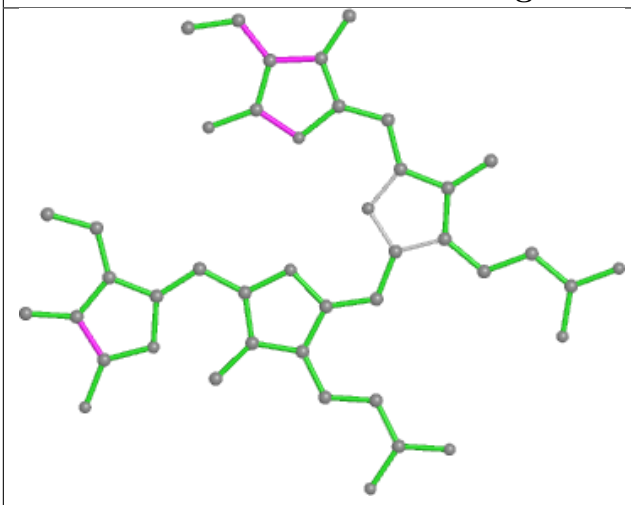

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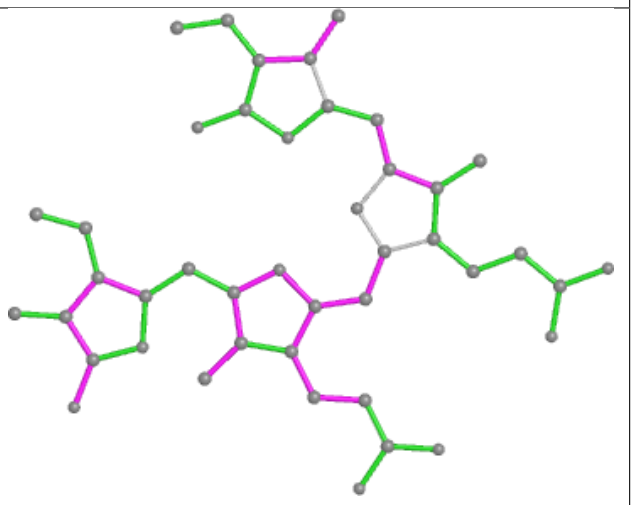

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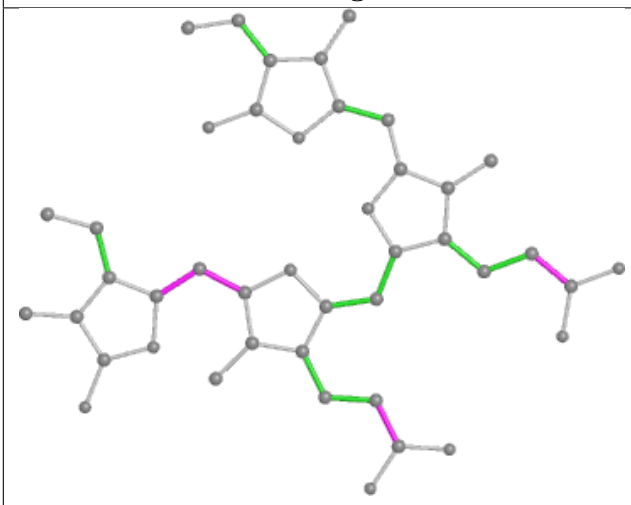

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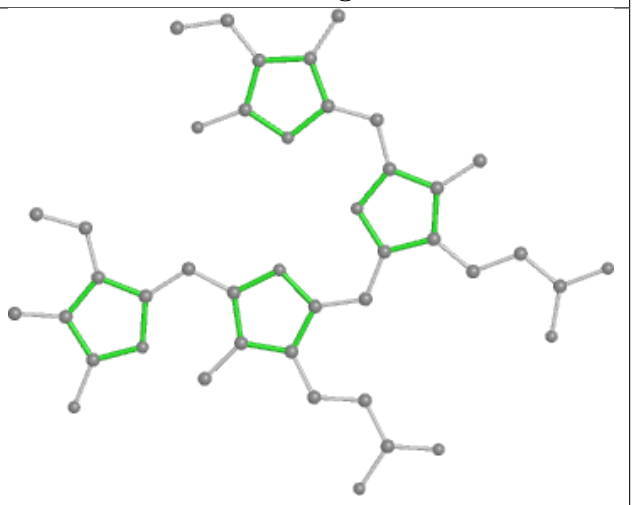
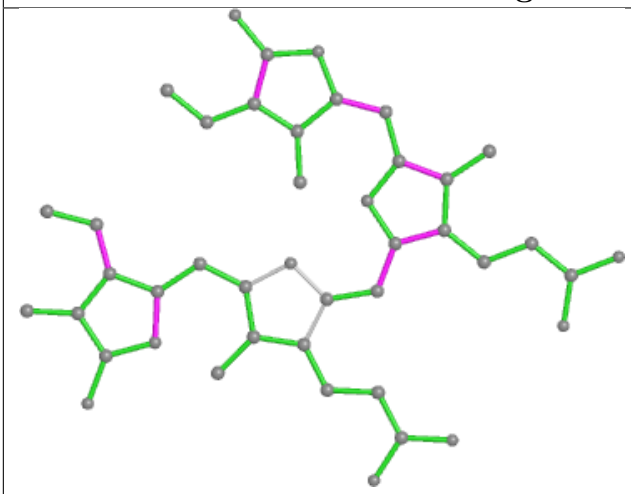


Rings

Ligand PVN b9 405



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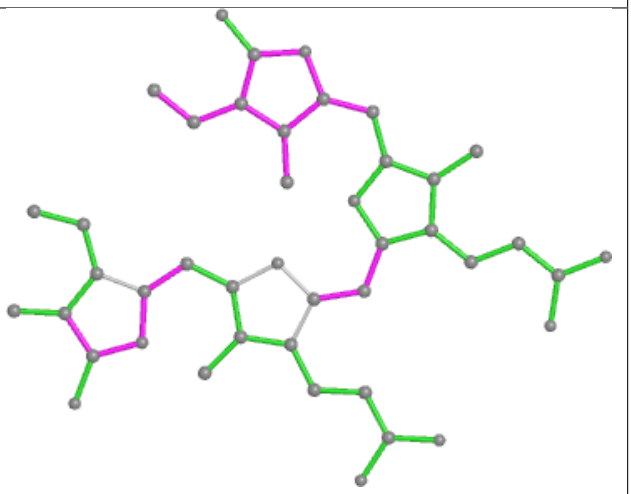

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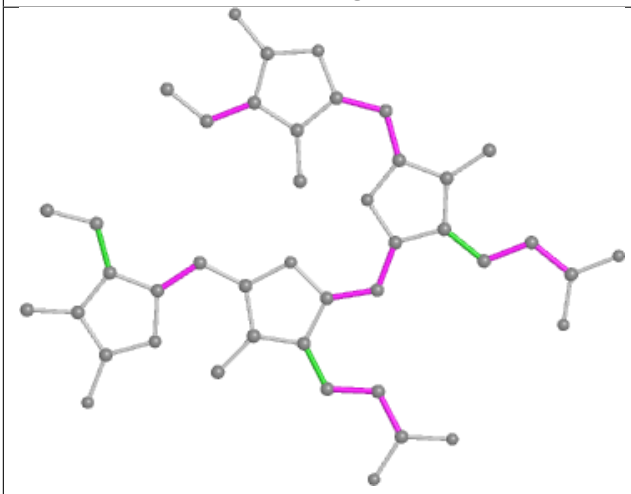

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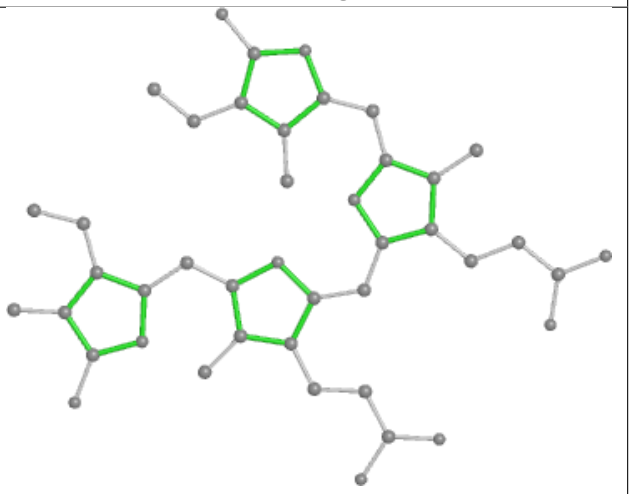

Rings

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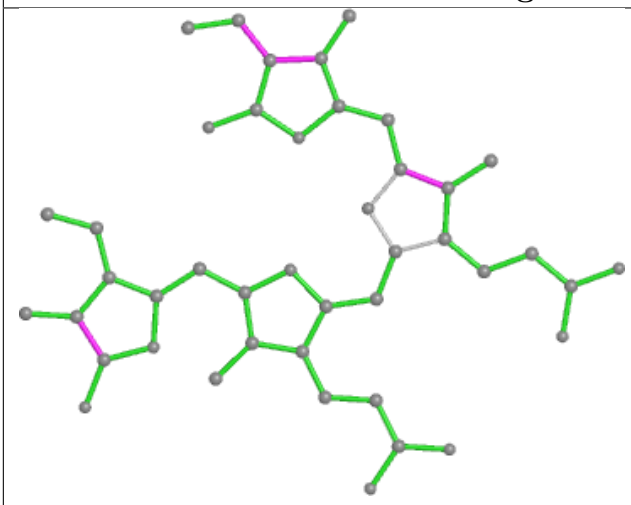

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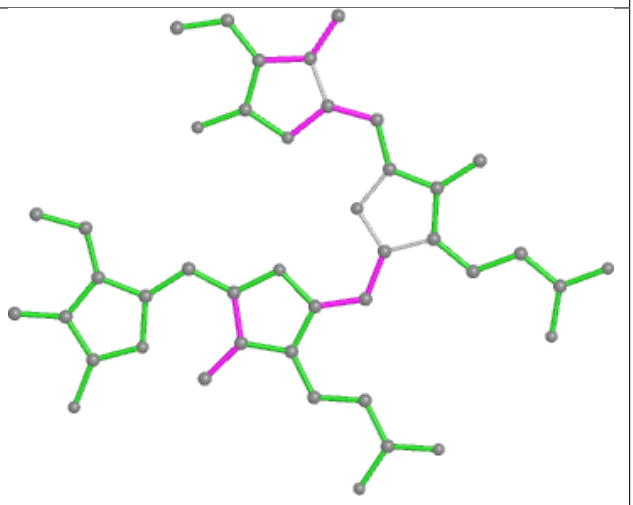

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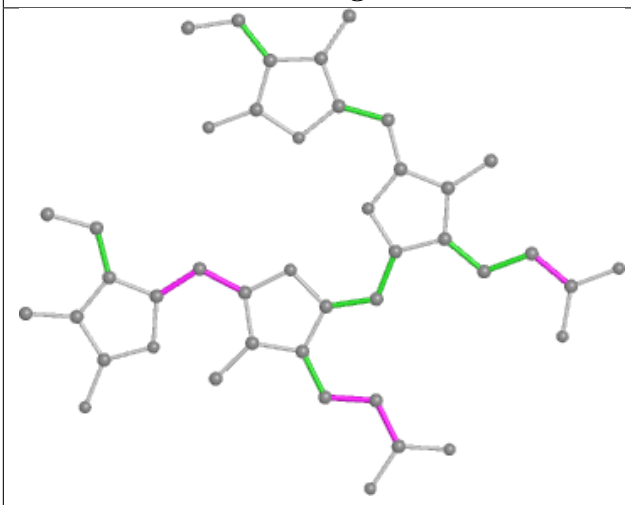

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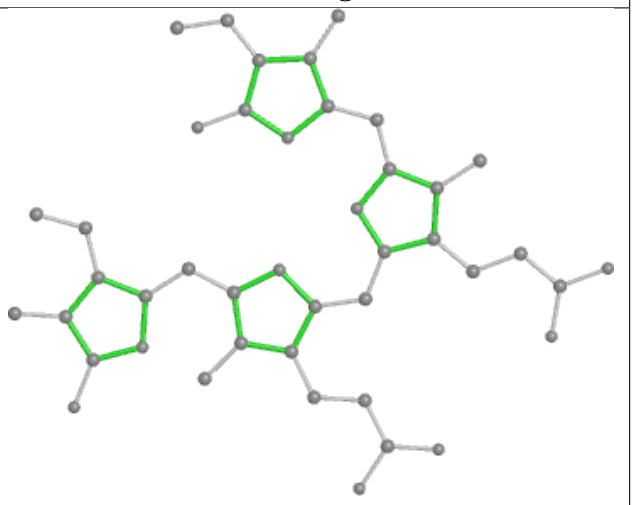
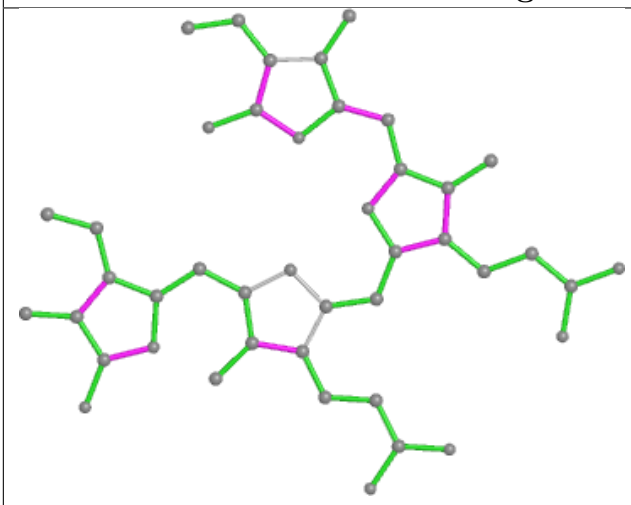


Rings

Ligand PUB n2 203



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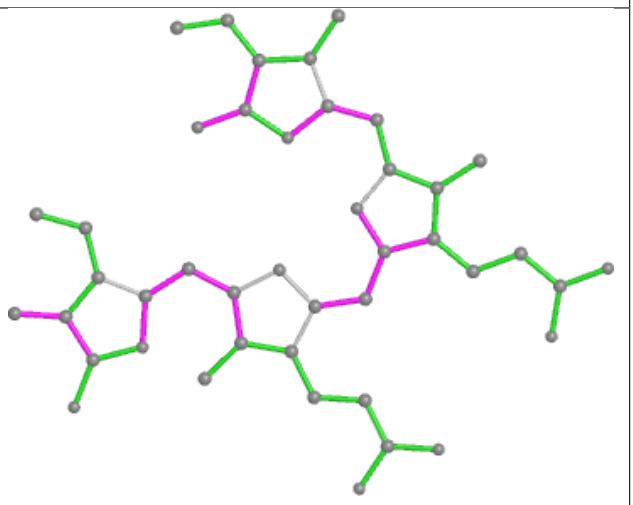

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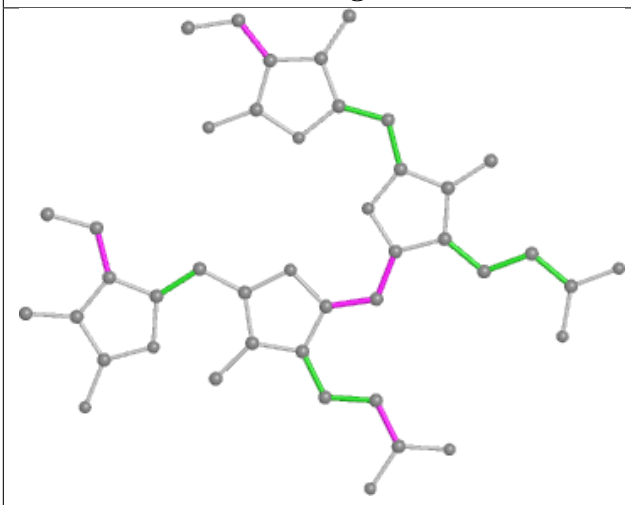

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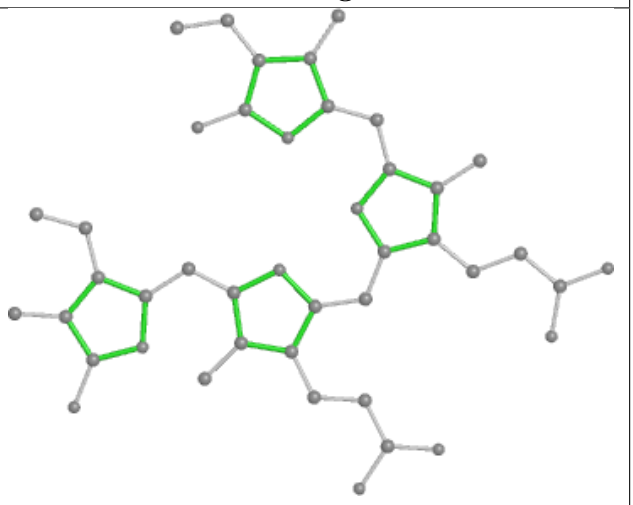
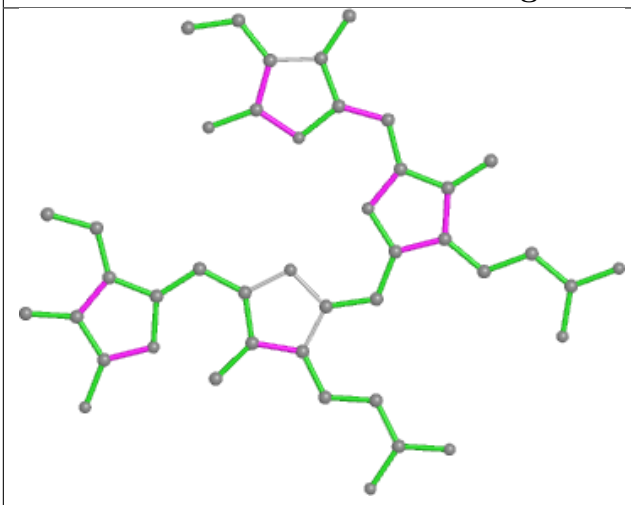


Rings

Ligand PUB er 203



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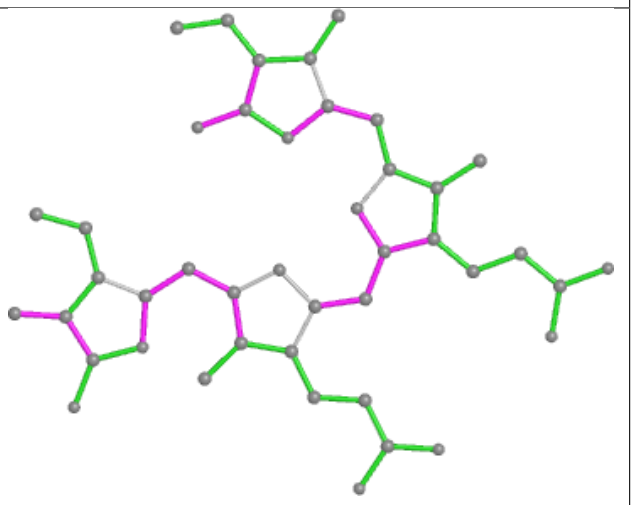

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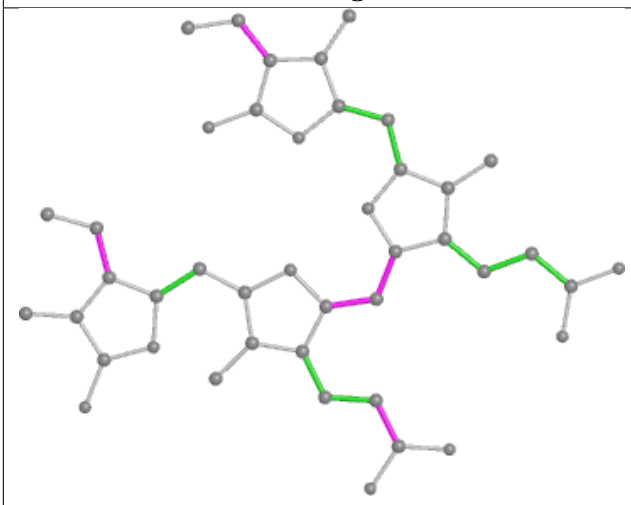

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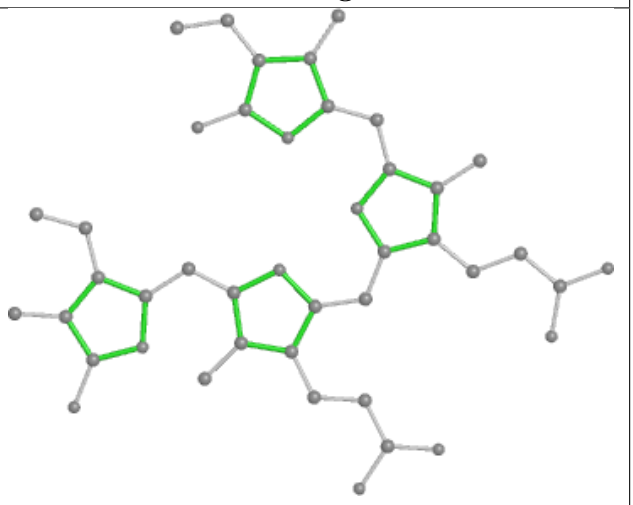
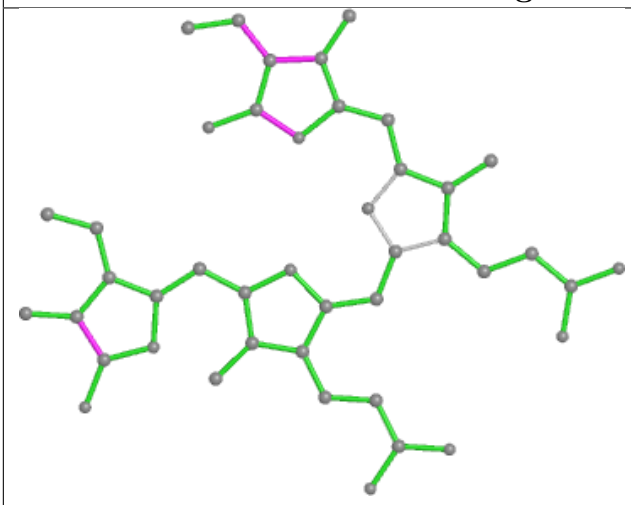


Rings

Ligand PEB Y8 201



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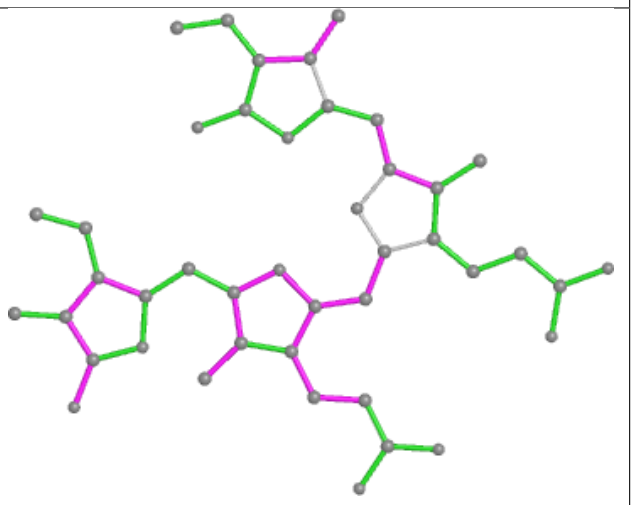

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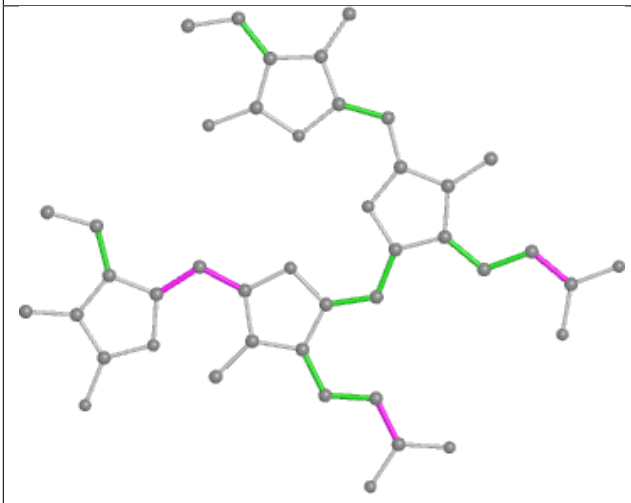

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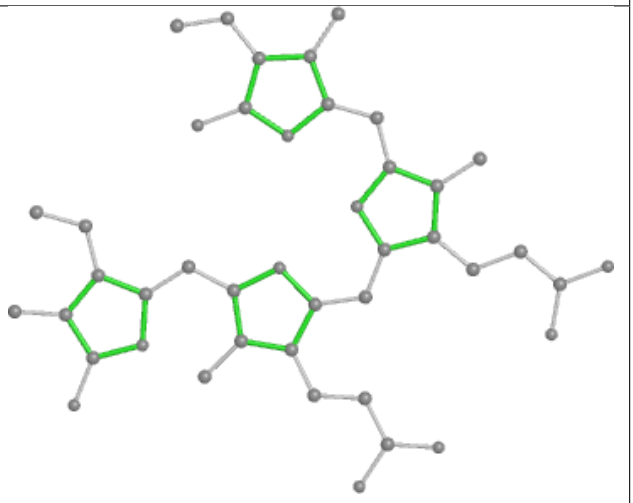
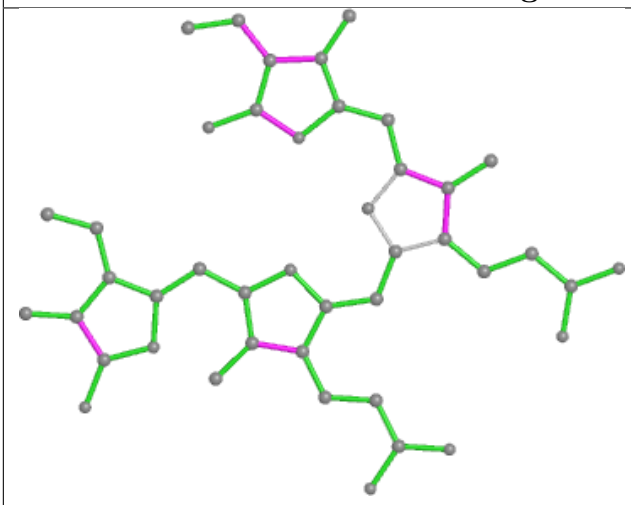


Rings

Ligand PEB z3 202



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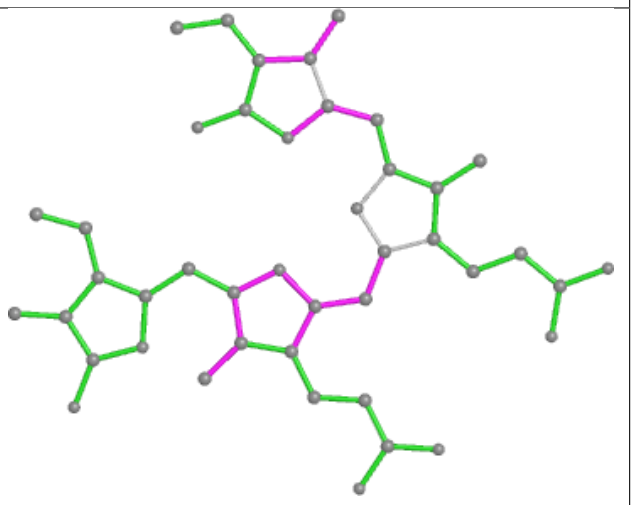
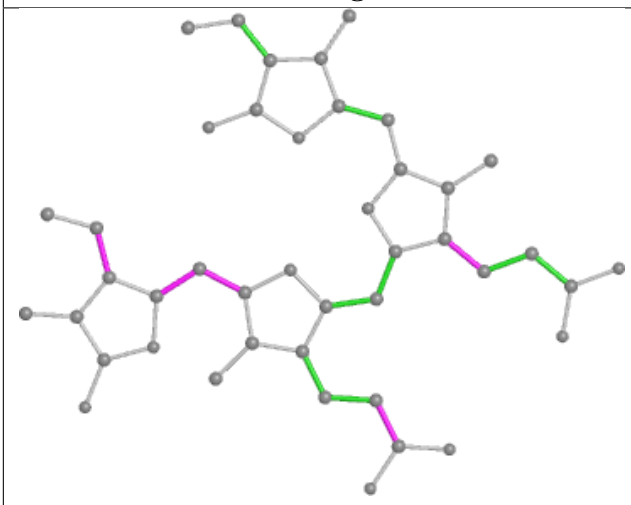
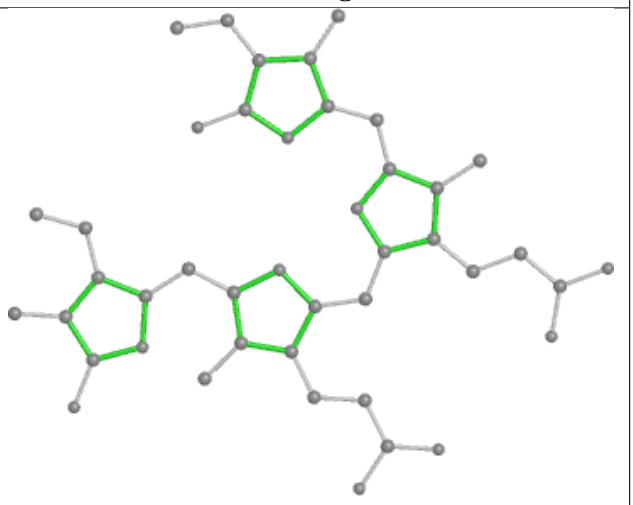


Bond angles

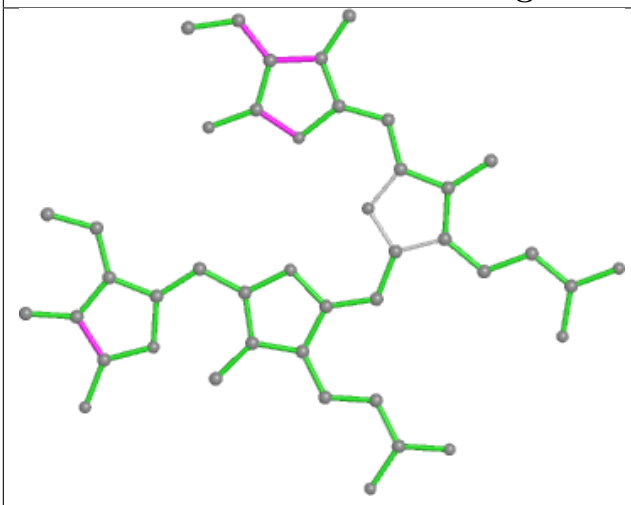


Torsions



Rings

Ligand PEB eR 202



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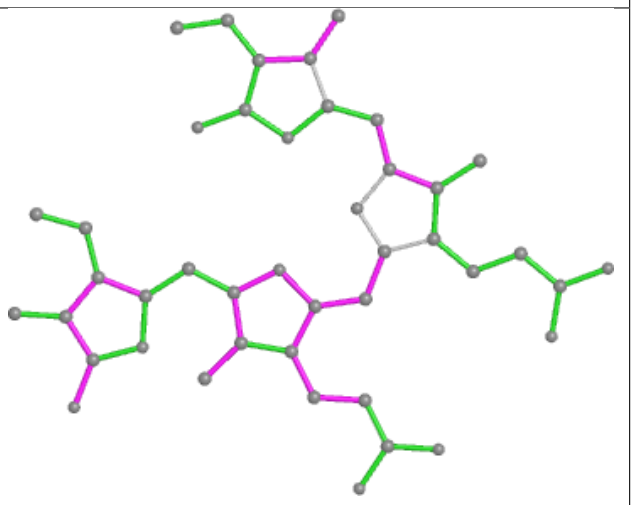

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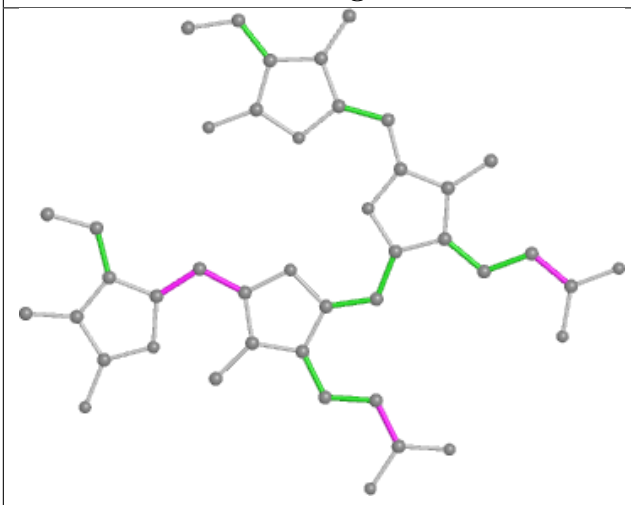

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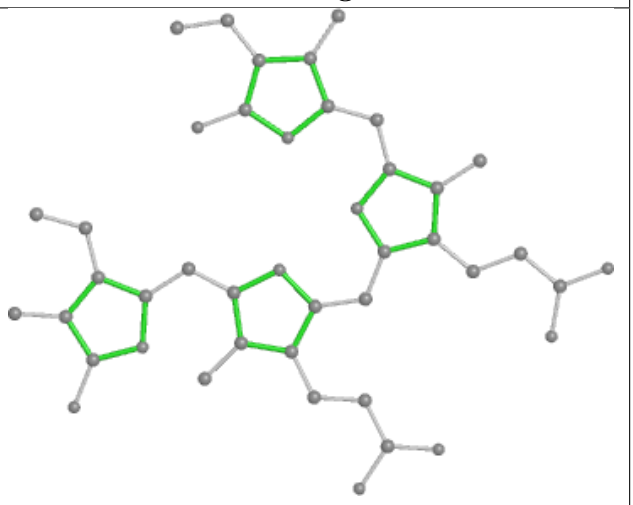
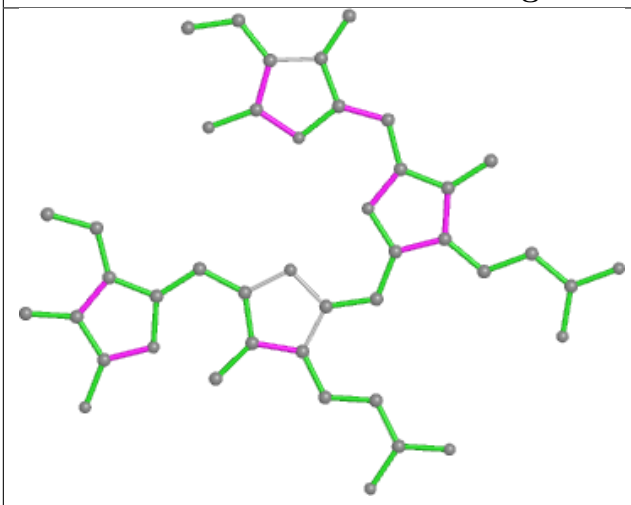


Rings

Ligand PUB l3 202



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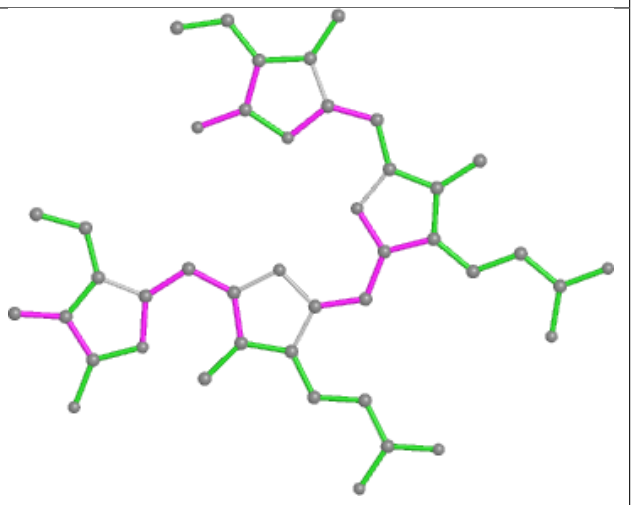

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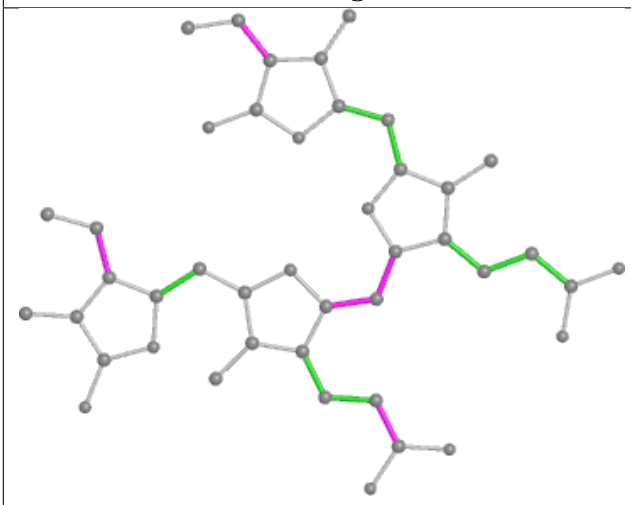

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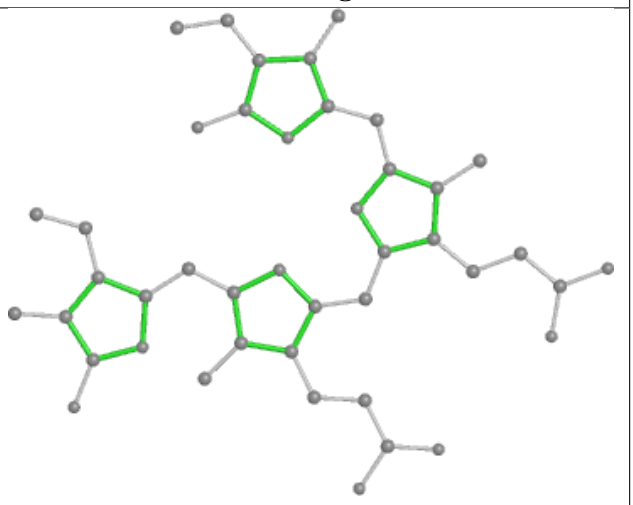

Rings

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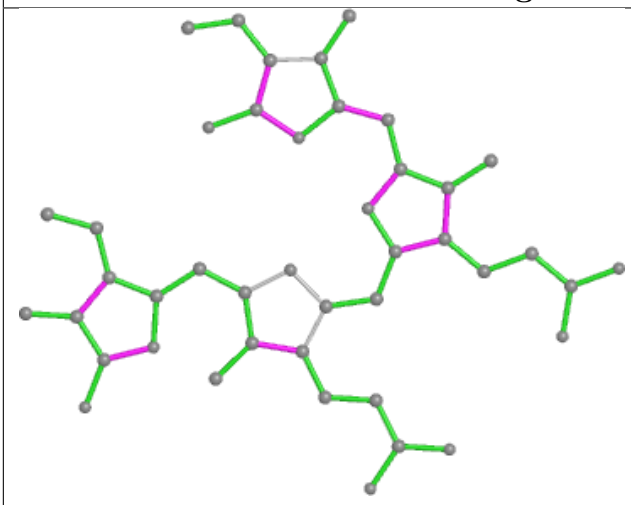

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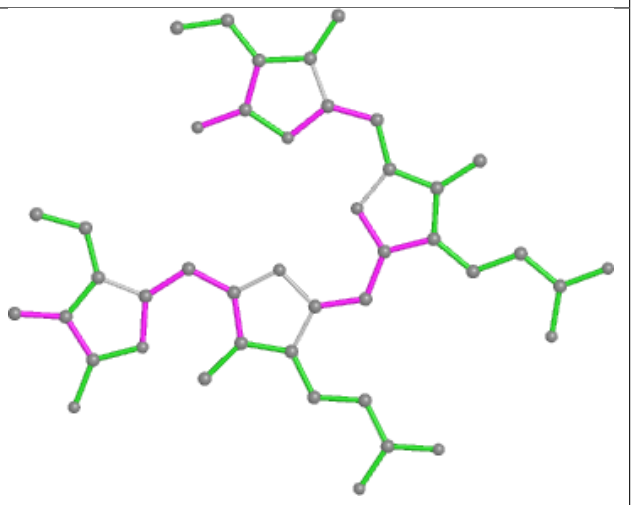

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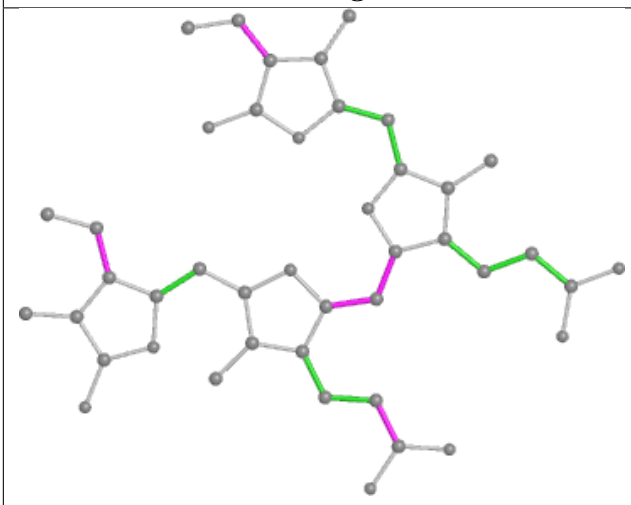

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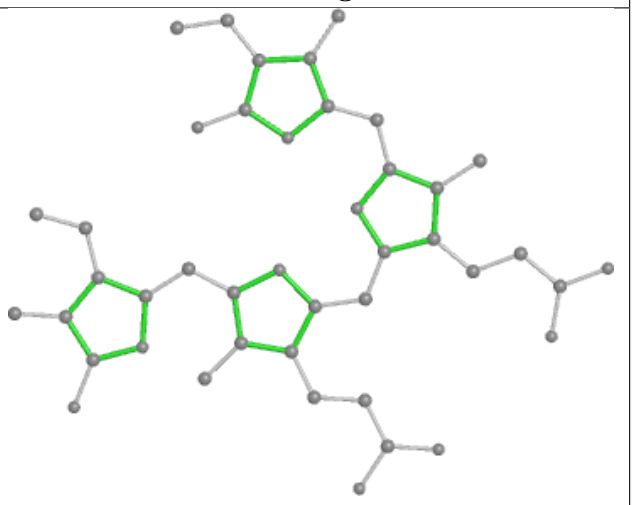
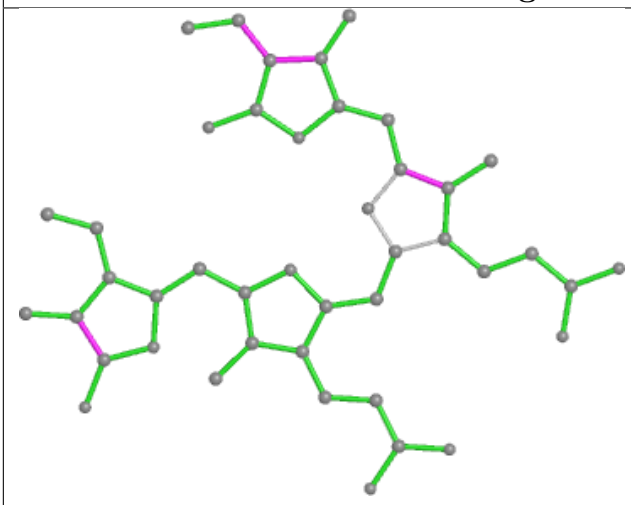


Rings

Ligand PEB d6 202



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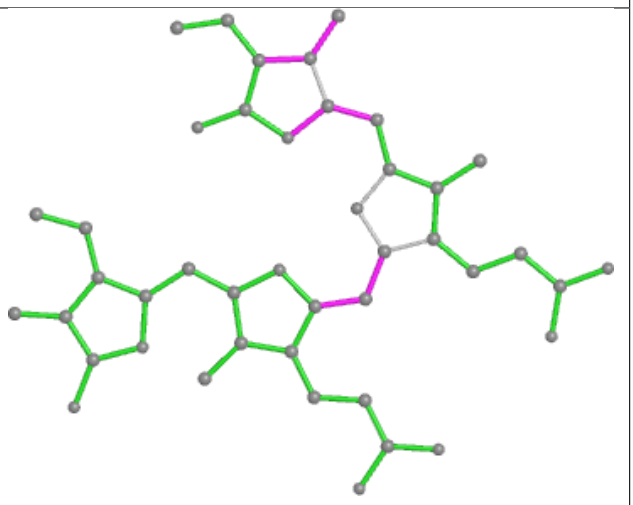

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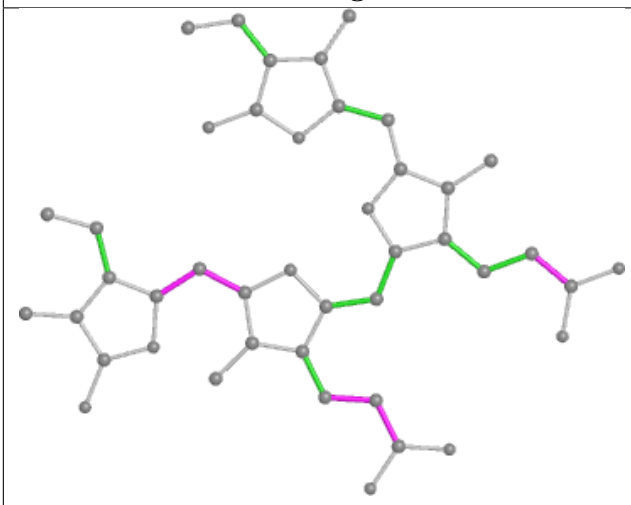

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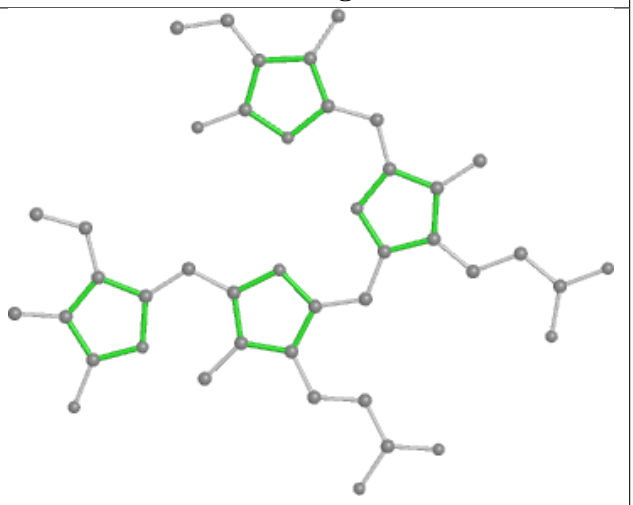
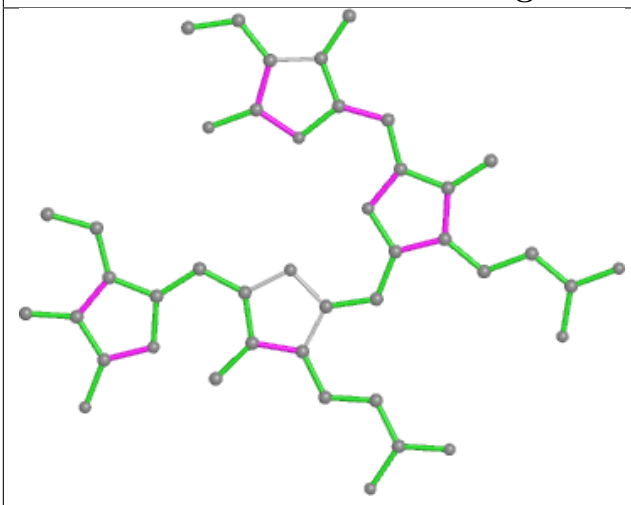


Rings

Ligand PUB L4 203



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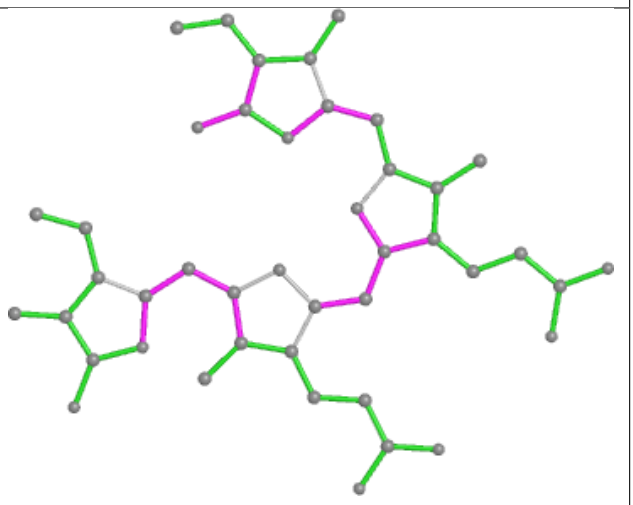

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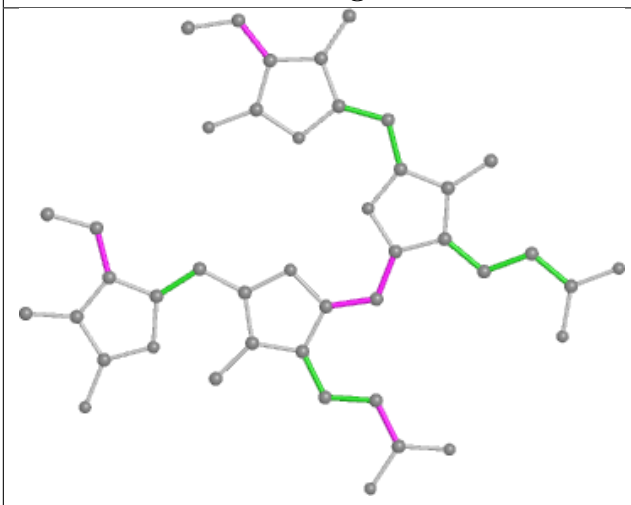

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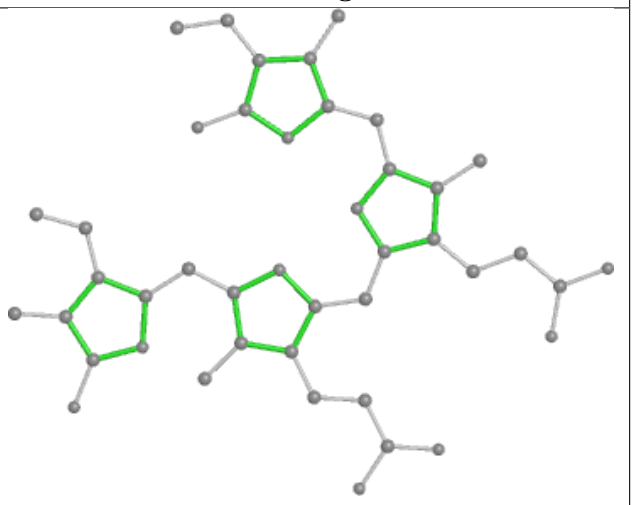

Rings

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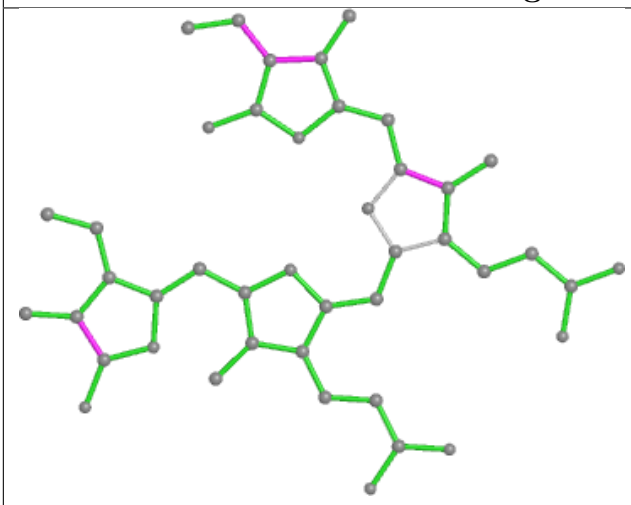

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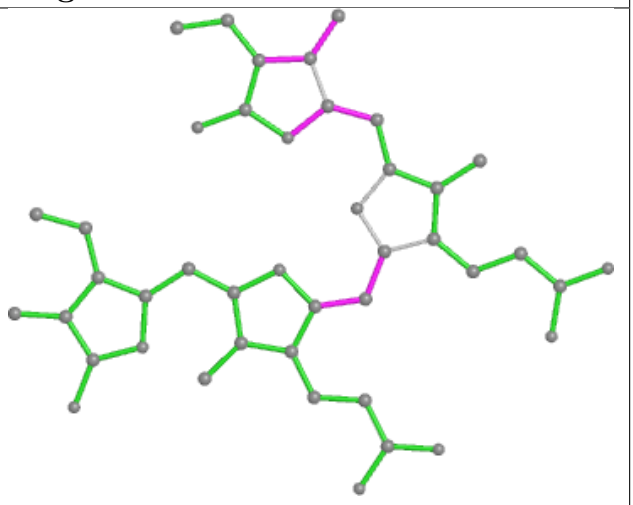

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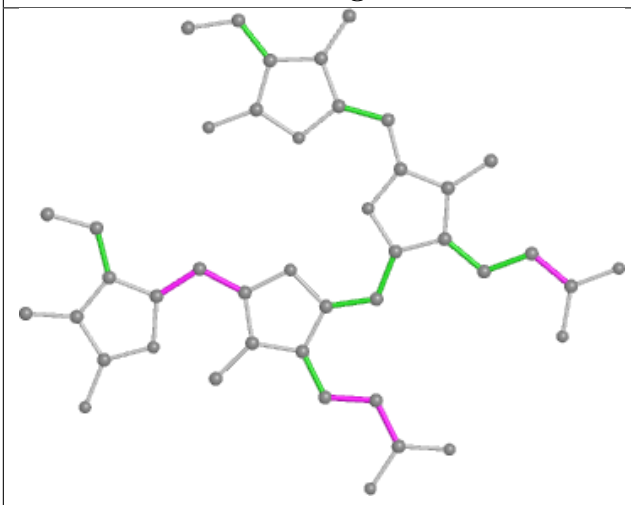

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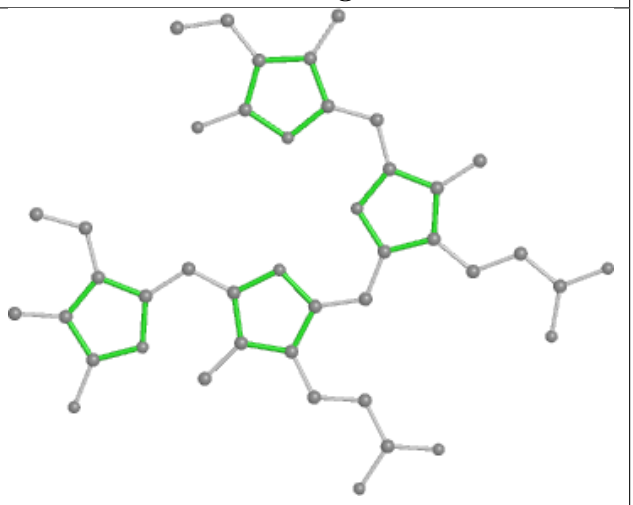
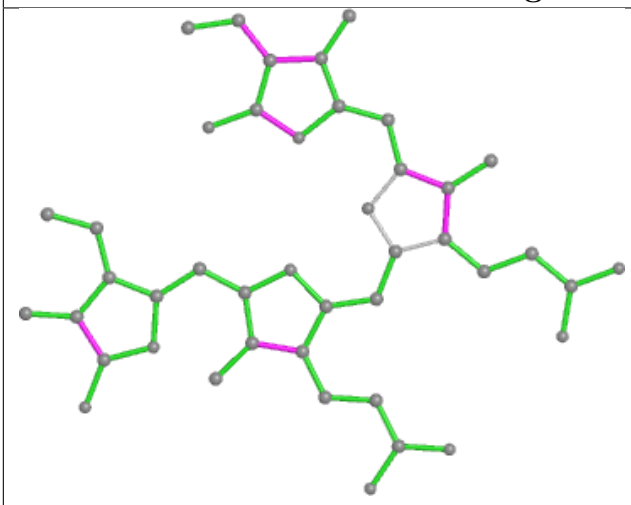


Rings

Ligand PEB ei 202



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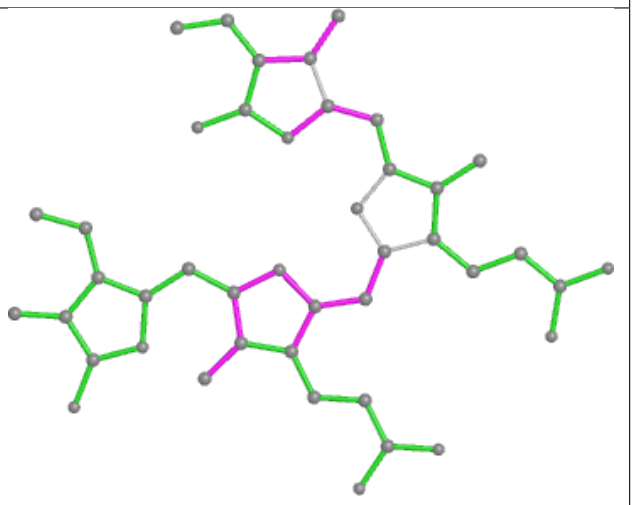

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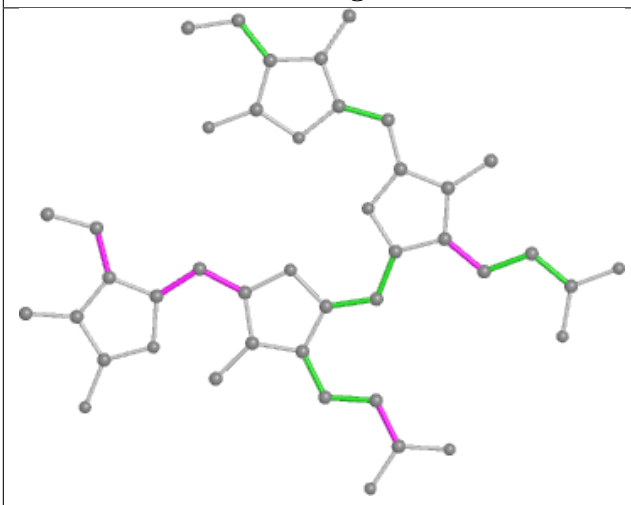

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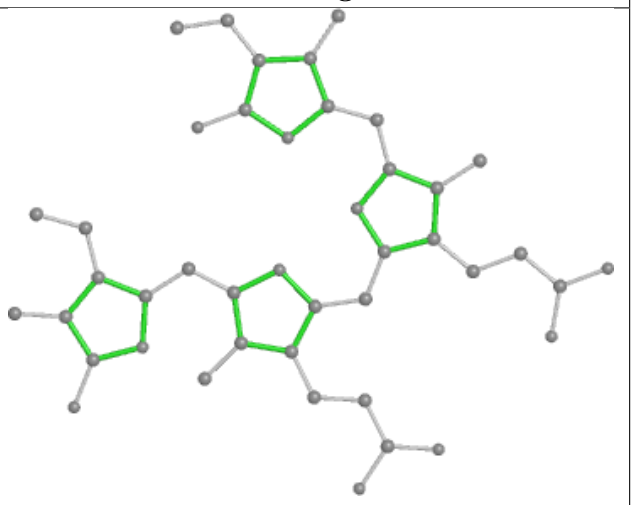
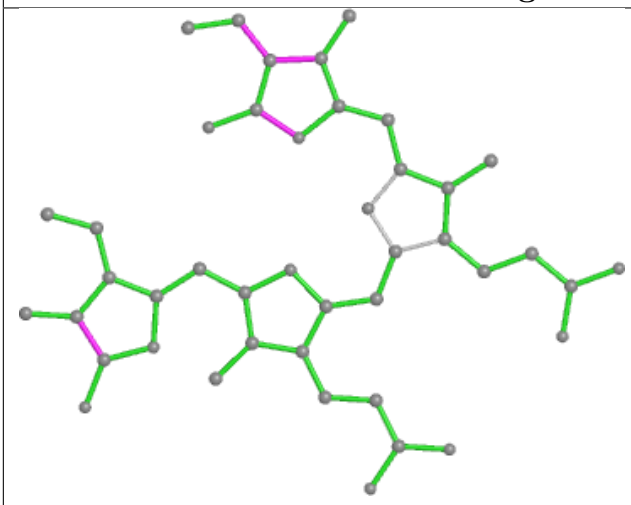


Rings

Ligand PEB bo 201



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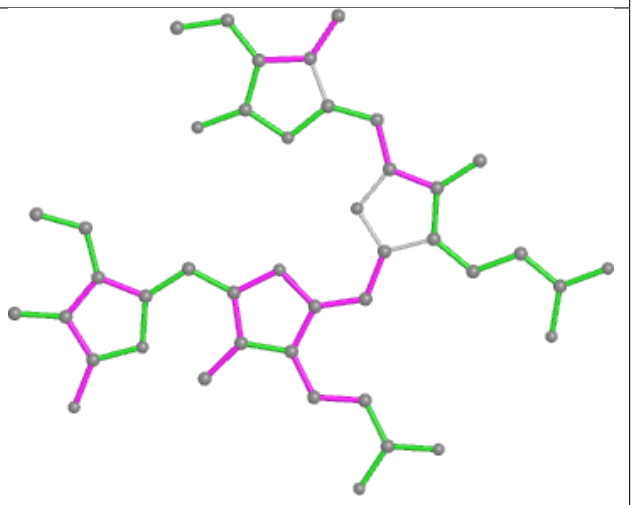

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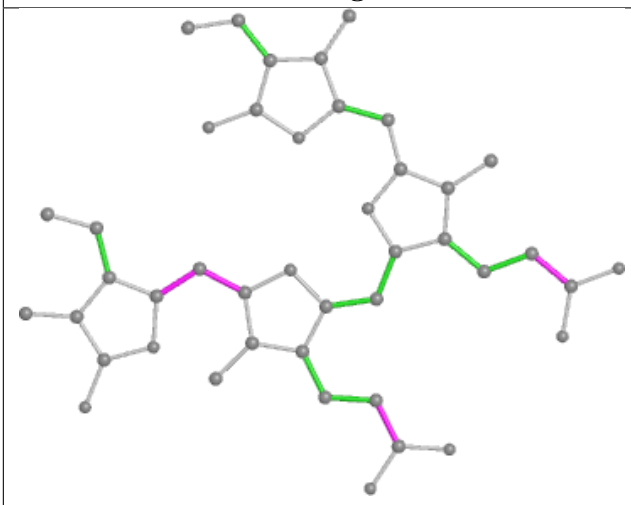

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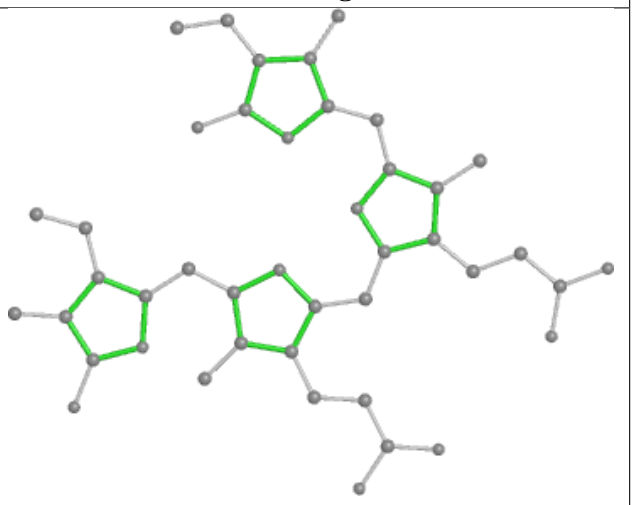
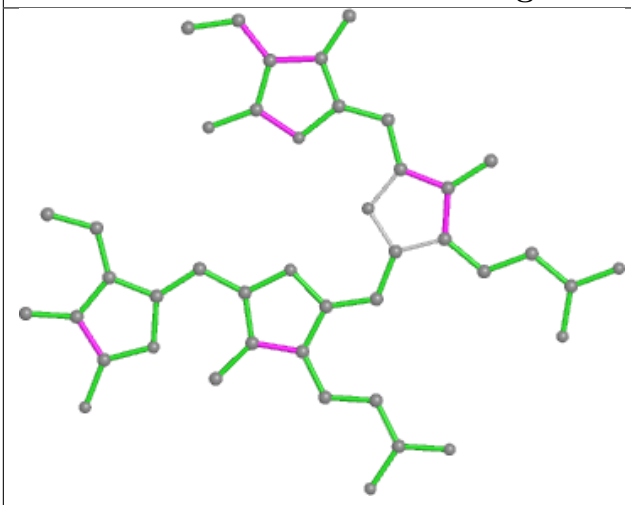


Rings

Ligand PEB P9 202



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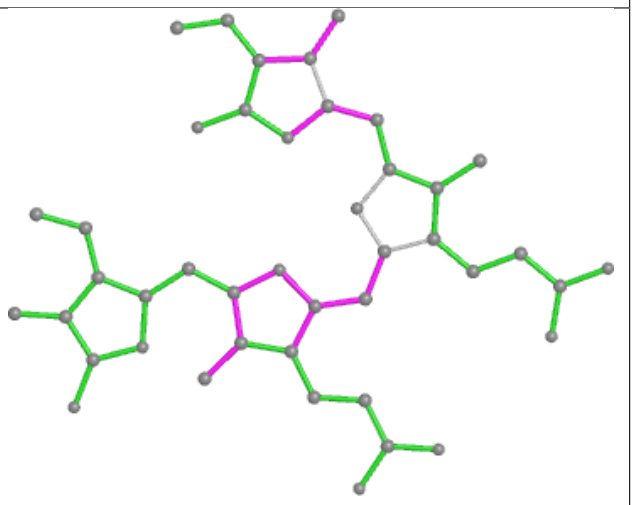

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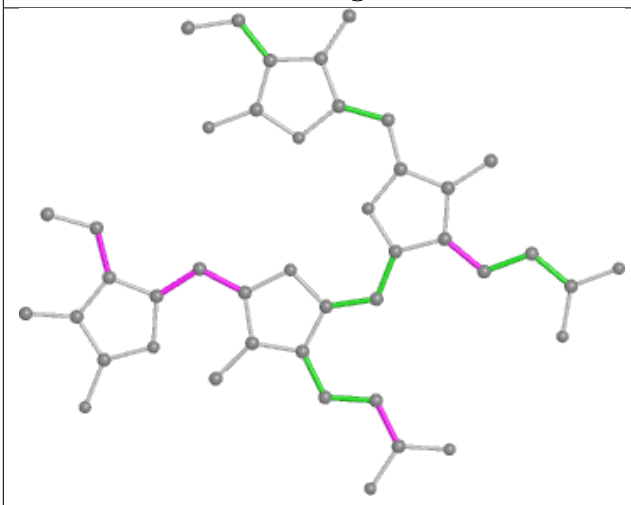

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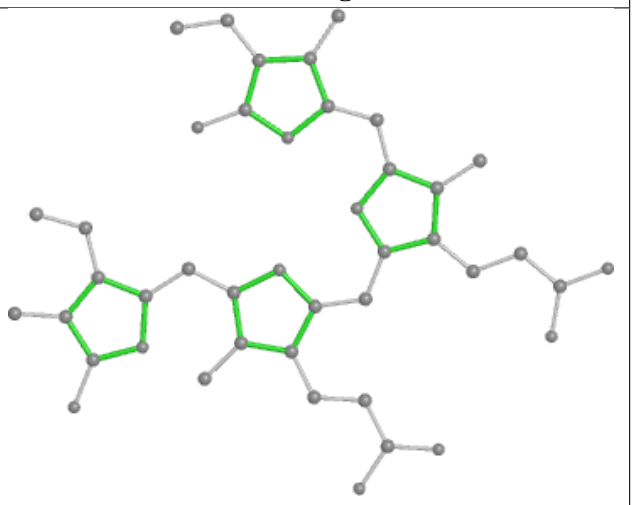
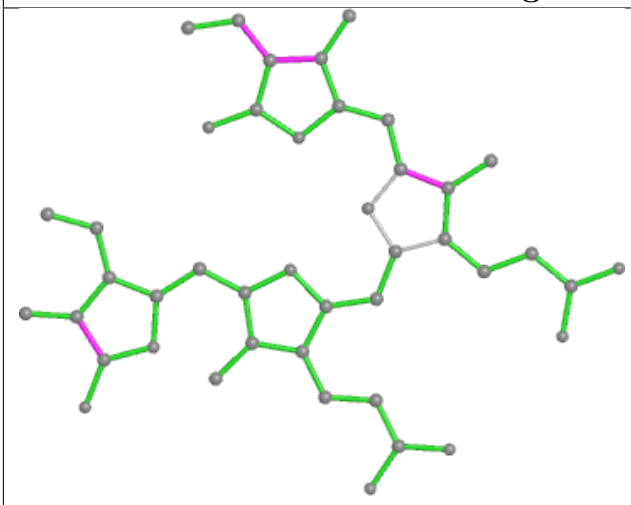


Rings

Ligand PEB fb 202



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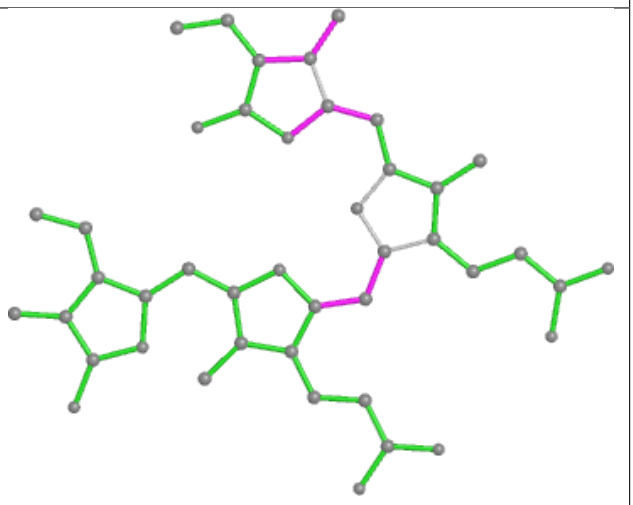

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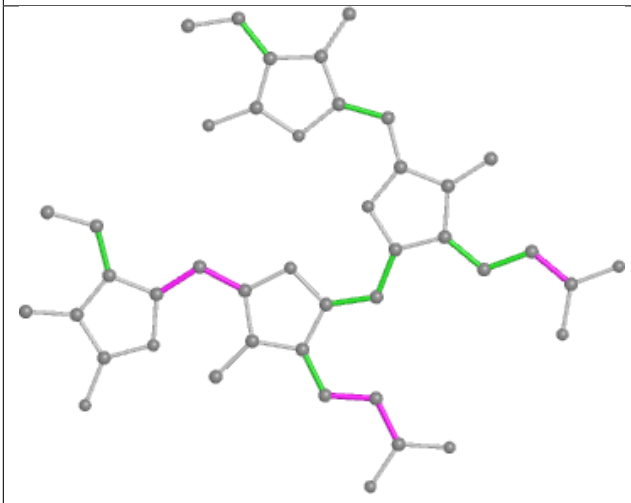

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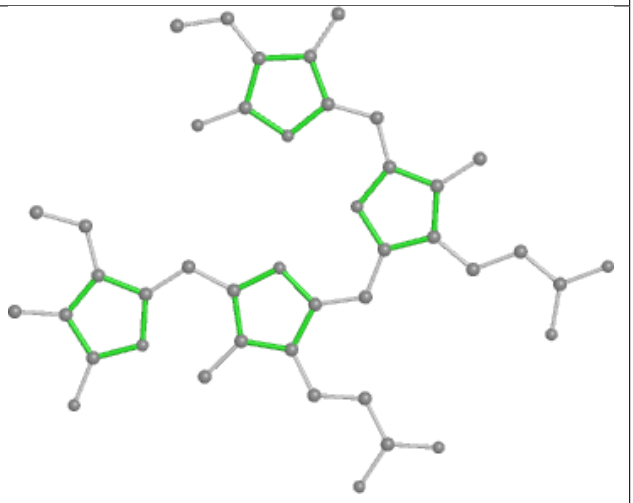

Rings

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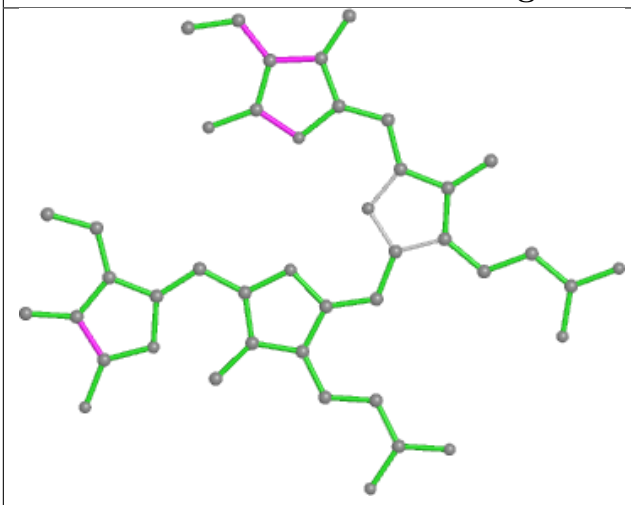

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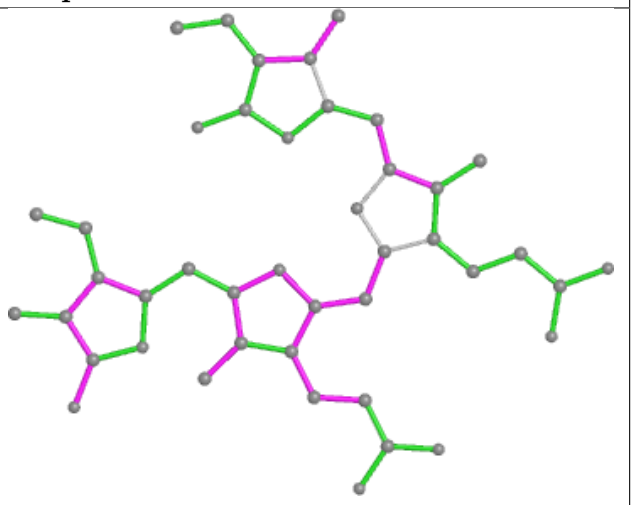

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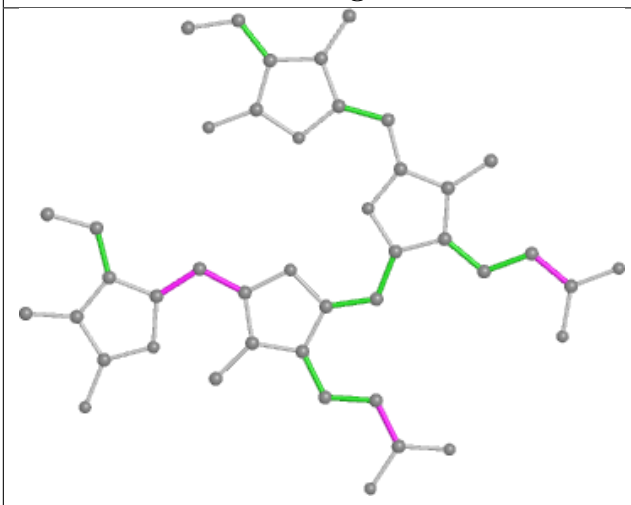

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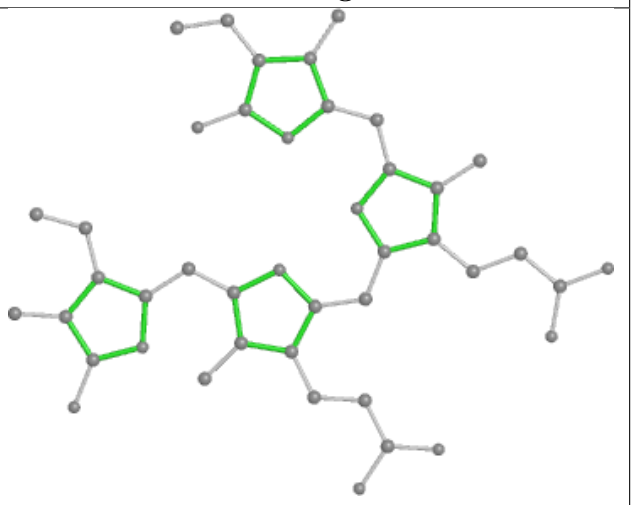
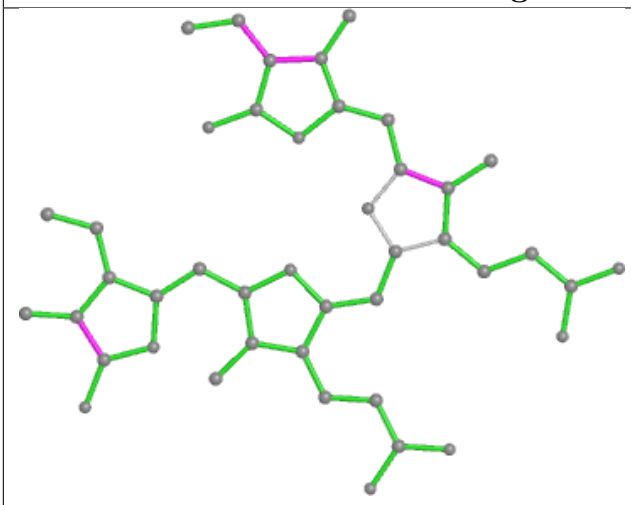


Rings

Ligand PEB hW 202



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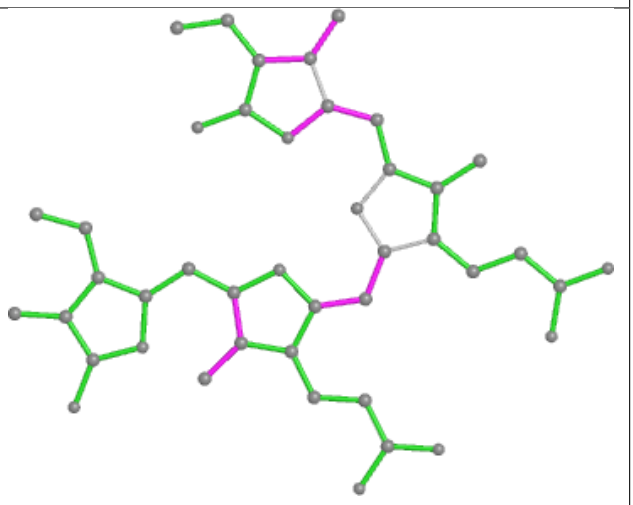

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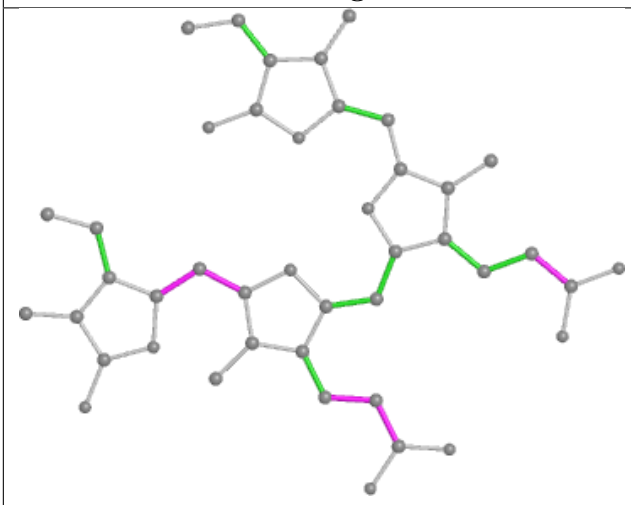

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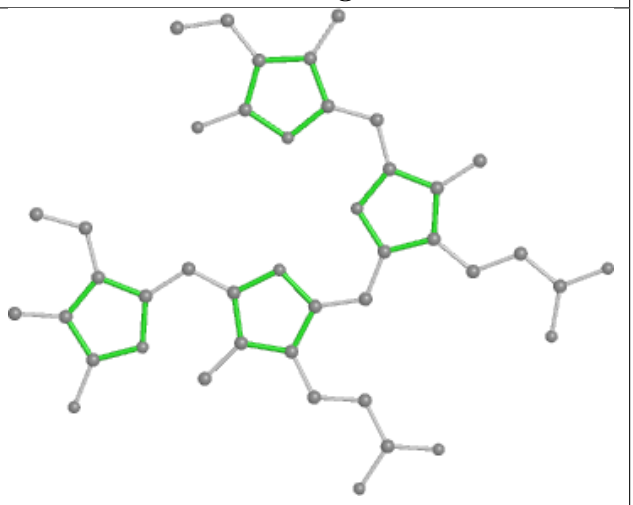
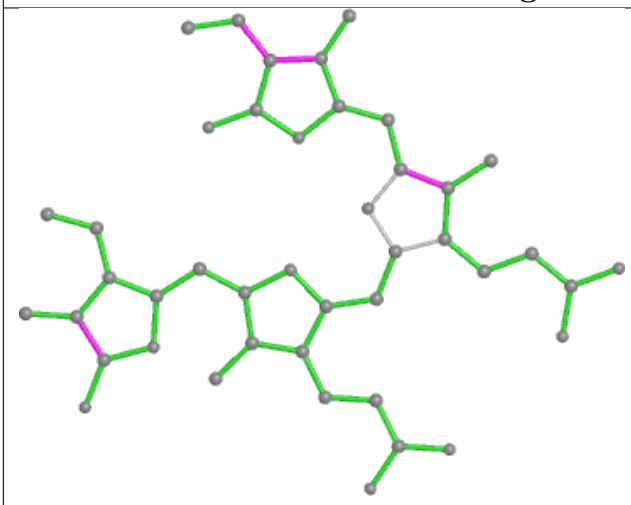


Rings

Ligand PEB g3 202



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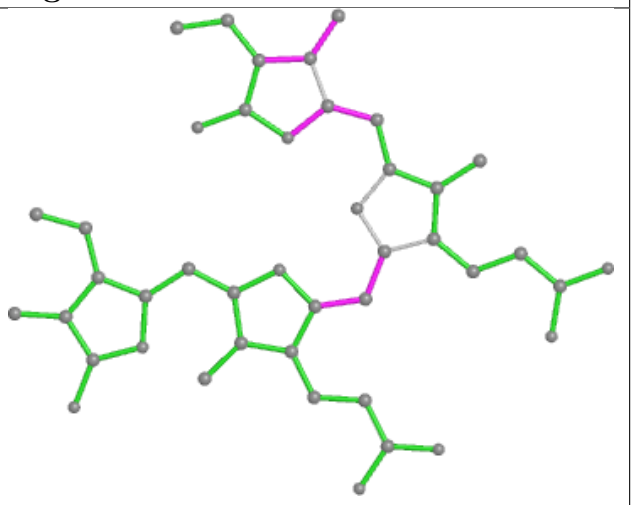

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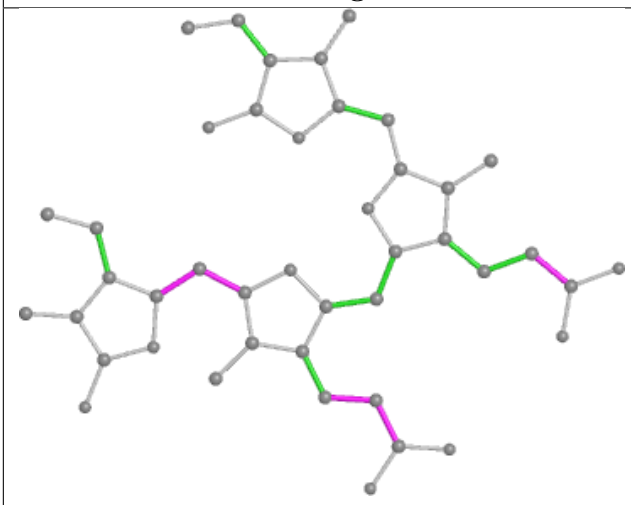

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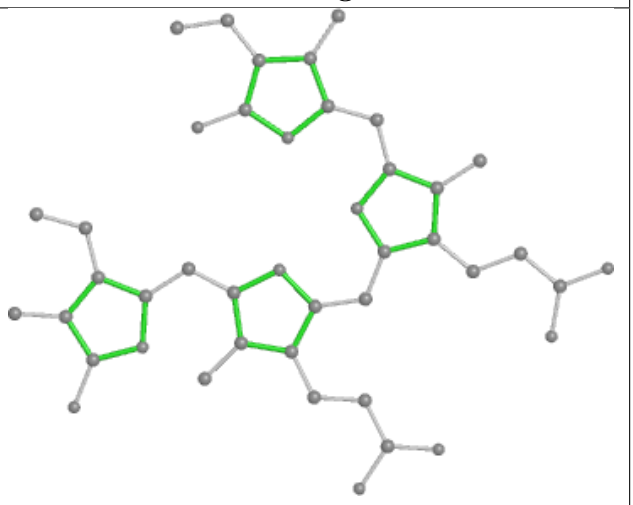
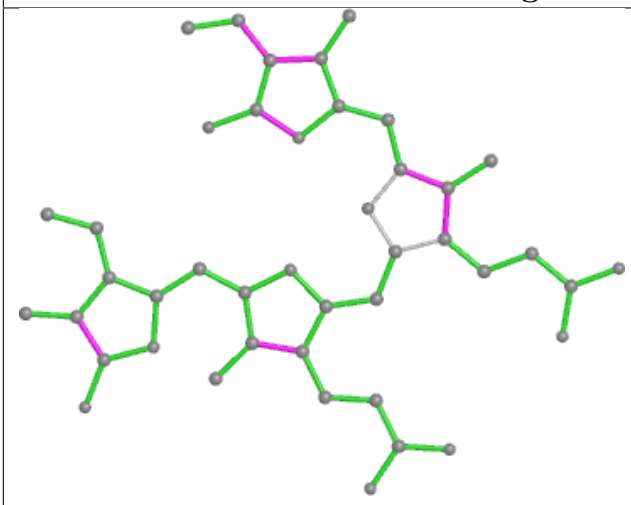
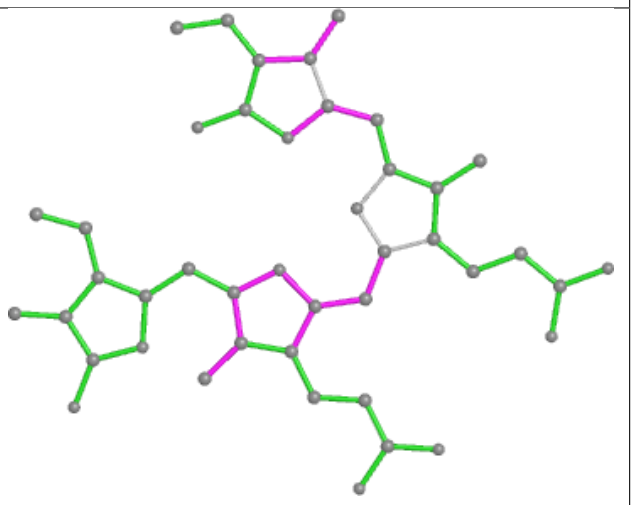


Rings

Ligand PEB r4 201



Bond lengths



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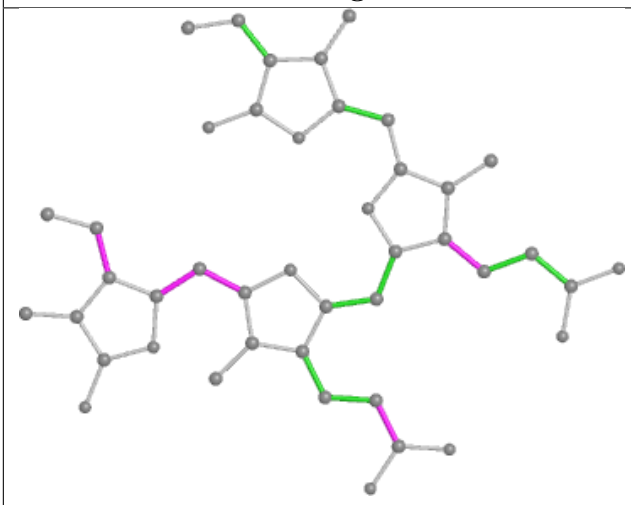
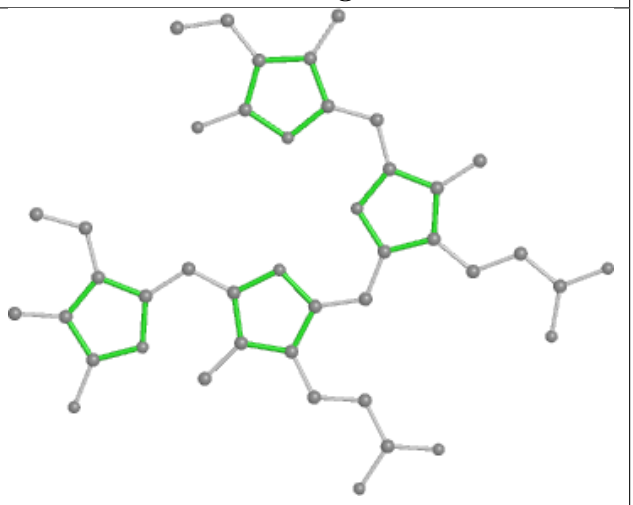
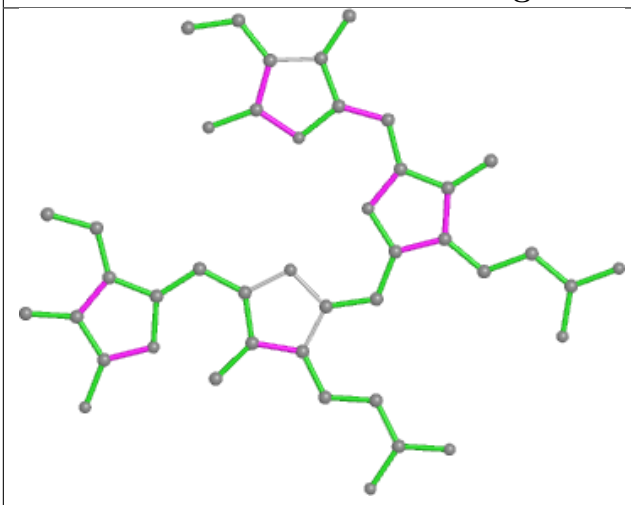


Torsions



Rings

Ligand PUB hP 203



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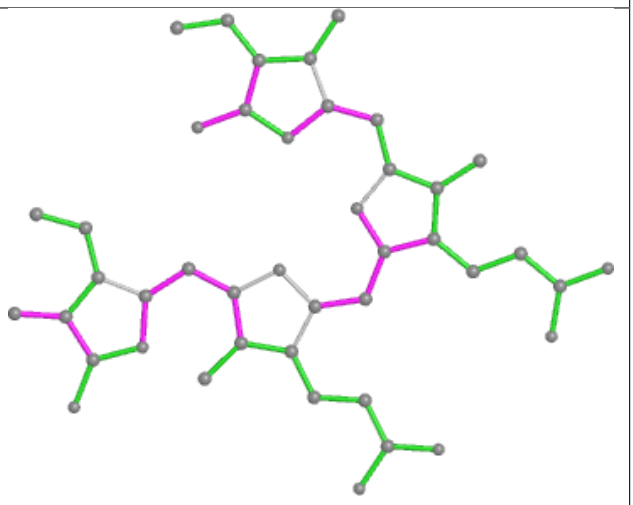

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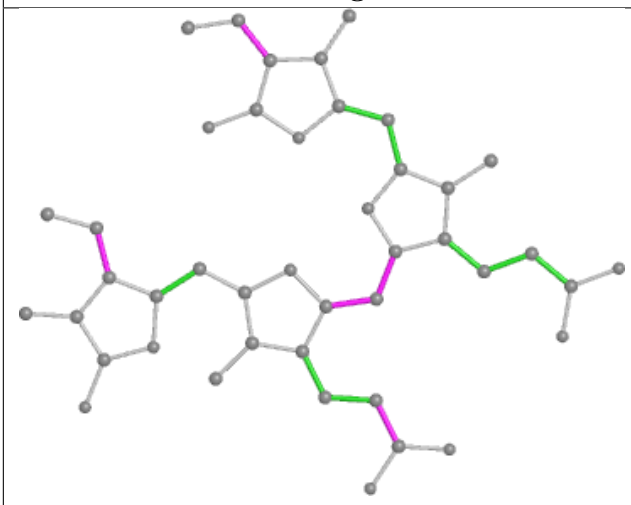

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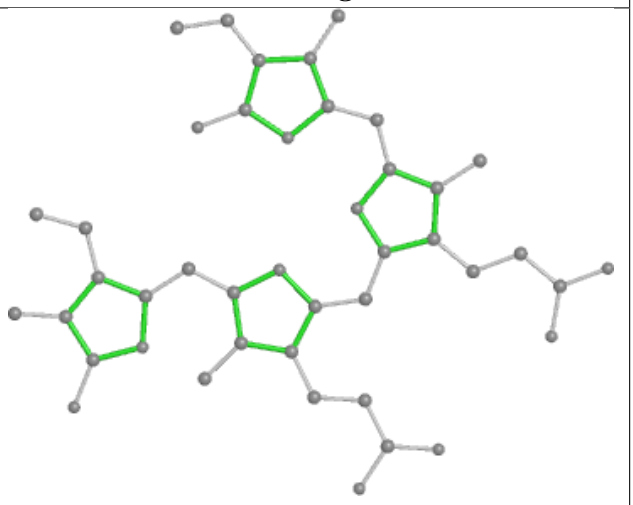
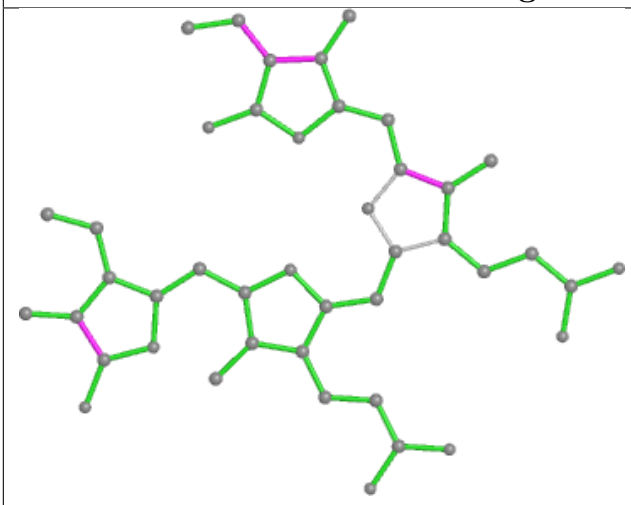


Rings

Ligand PEB u7 202



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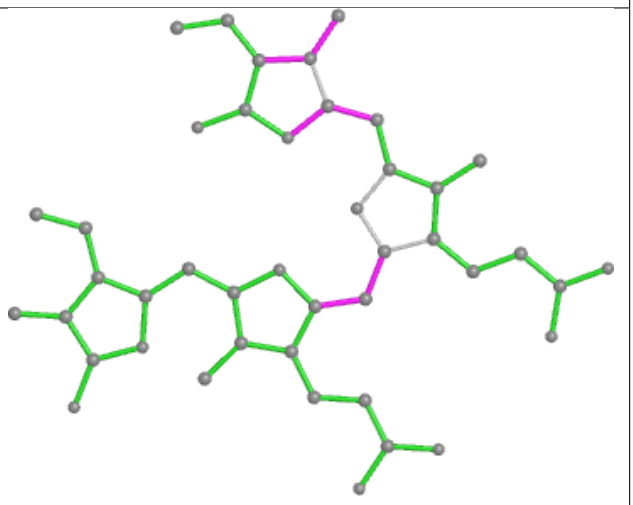

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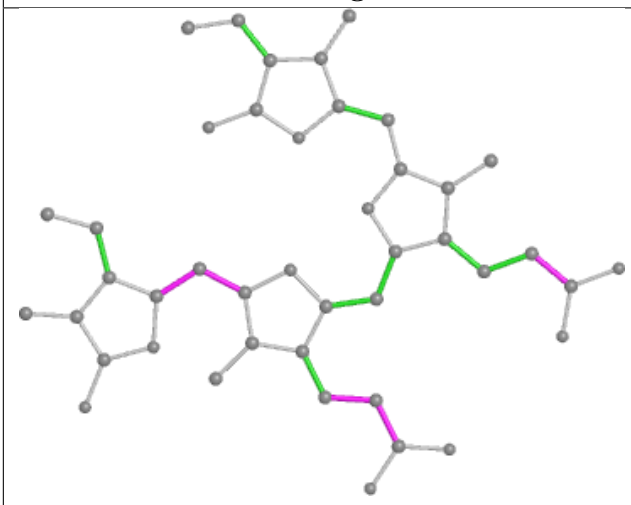

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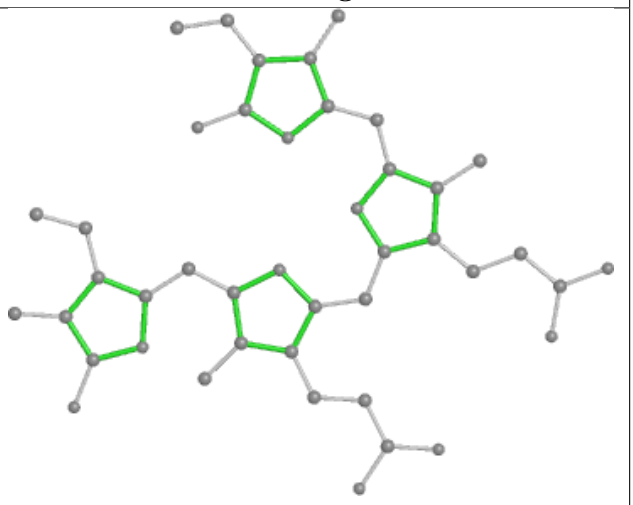
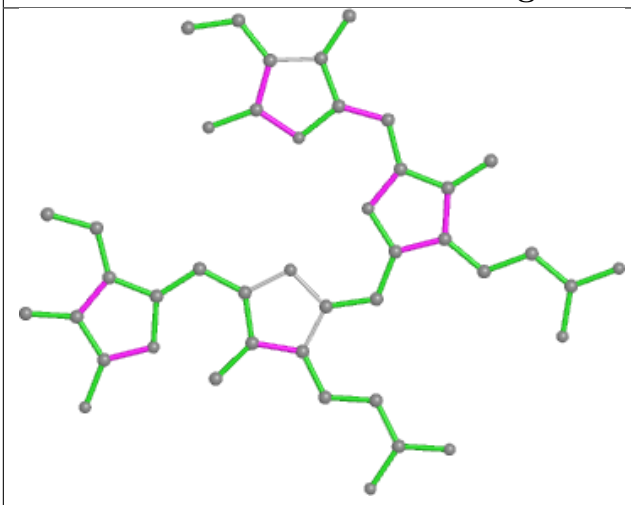


Rings

Ligand PUB 44 305



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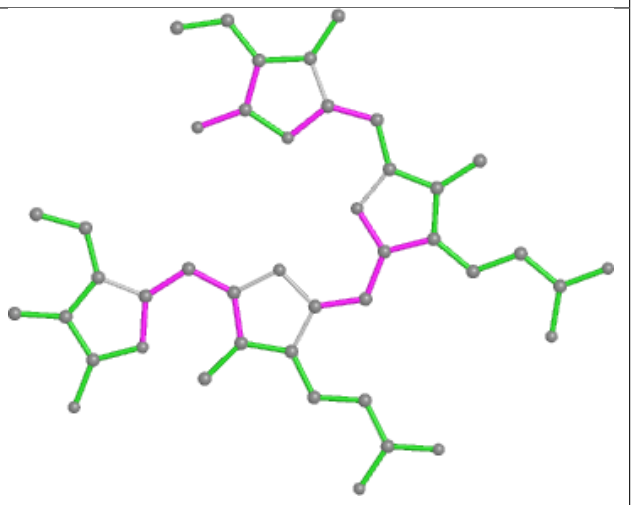

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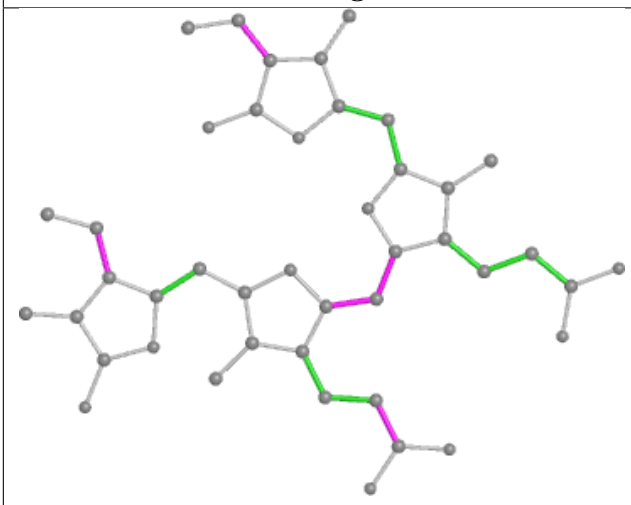

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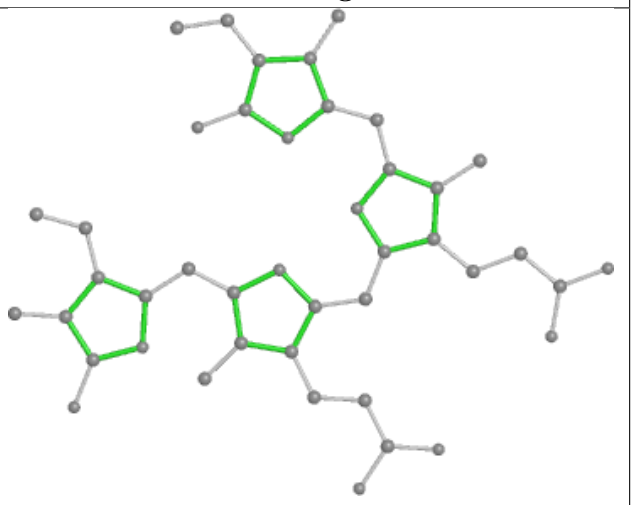

Rings

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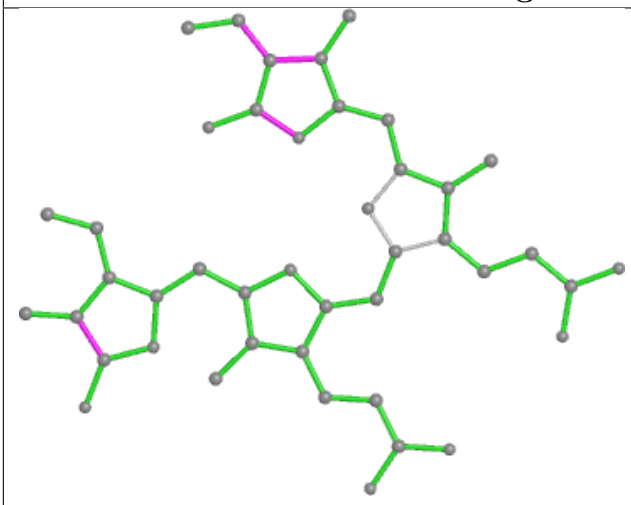

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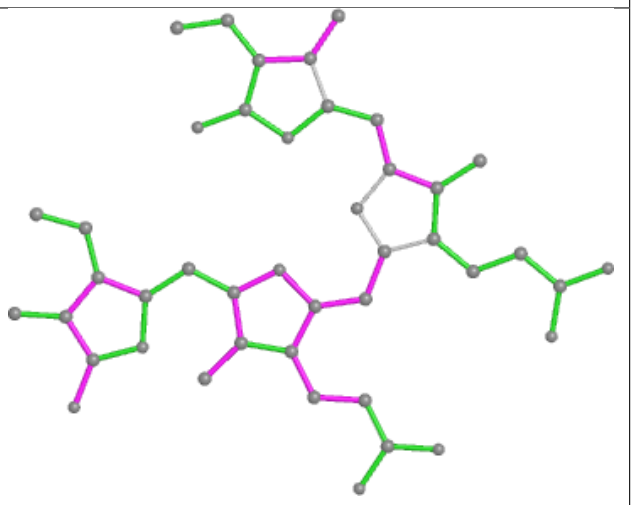

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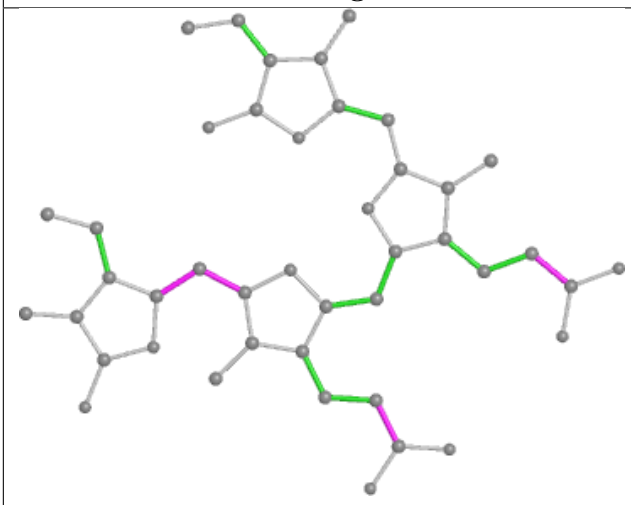

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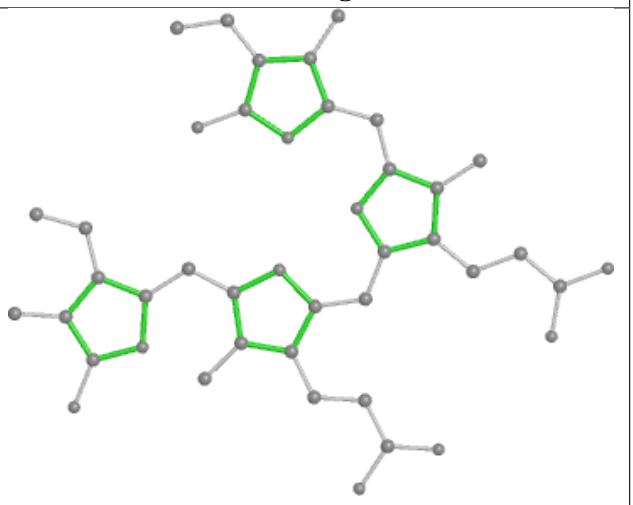

Rings

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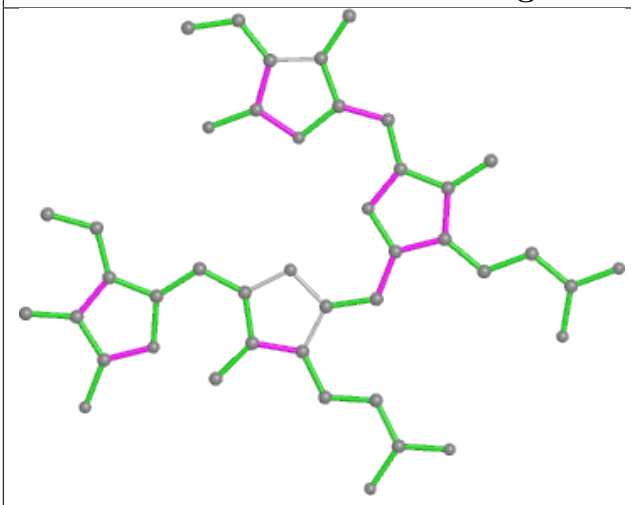

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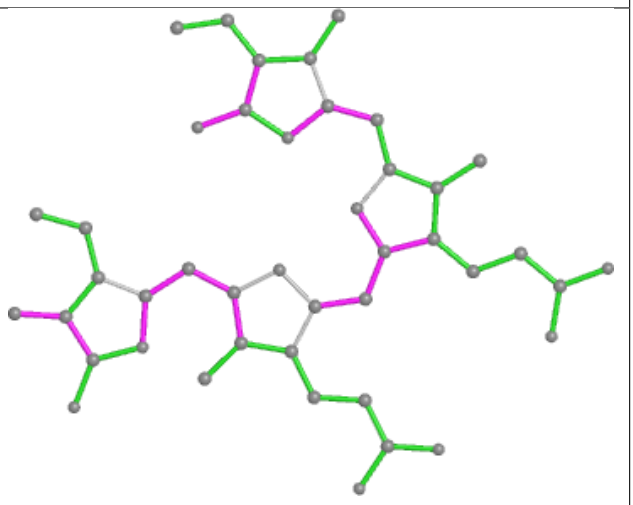

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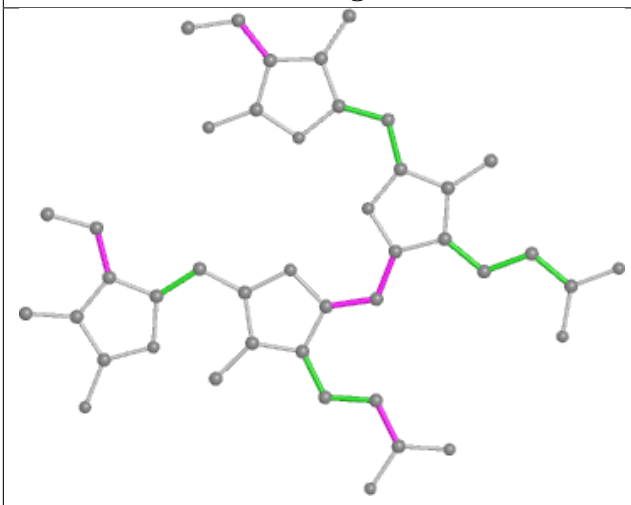

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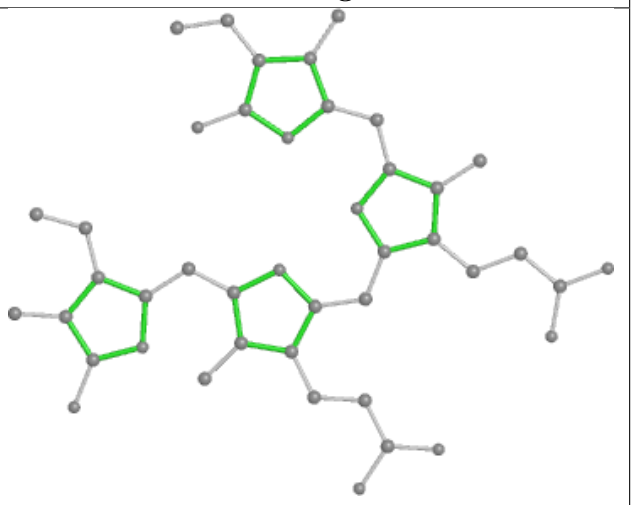
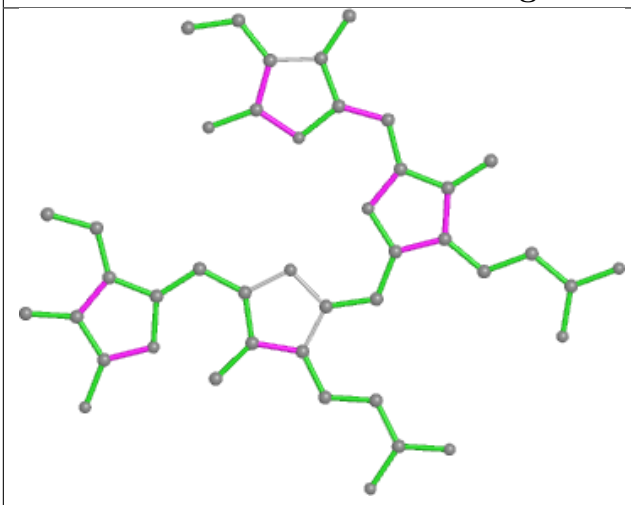


Rings

Ligand PUB r2 203



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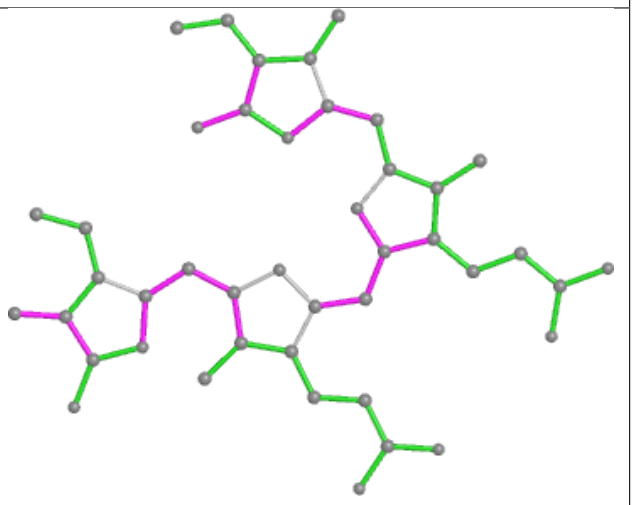

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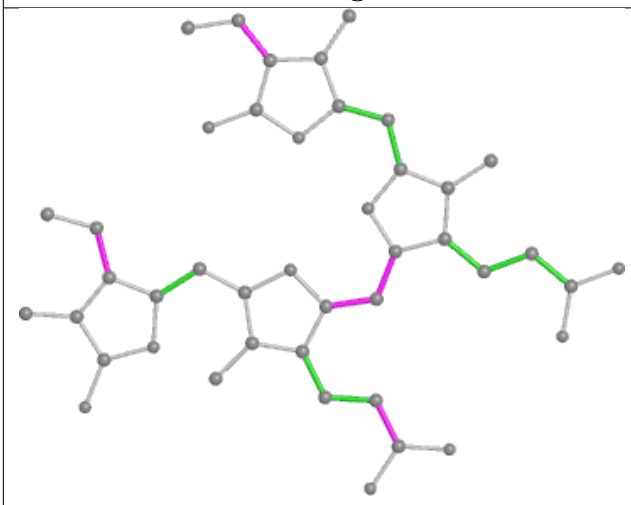

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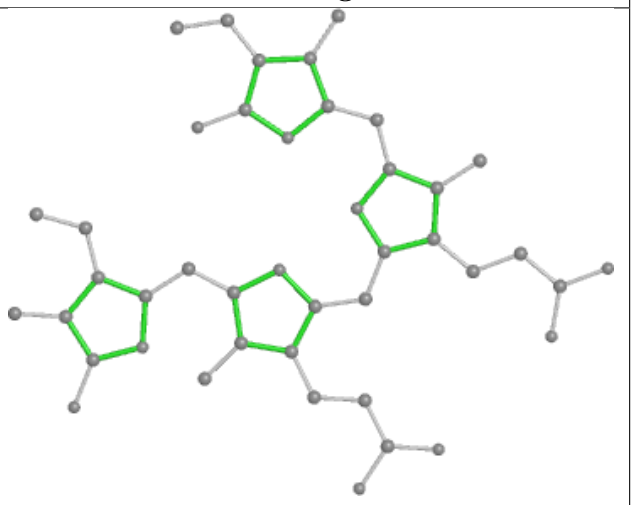

Rings

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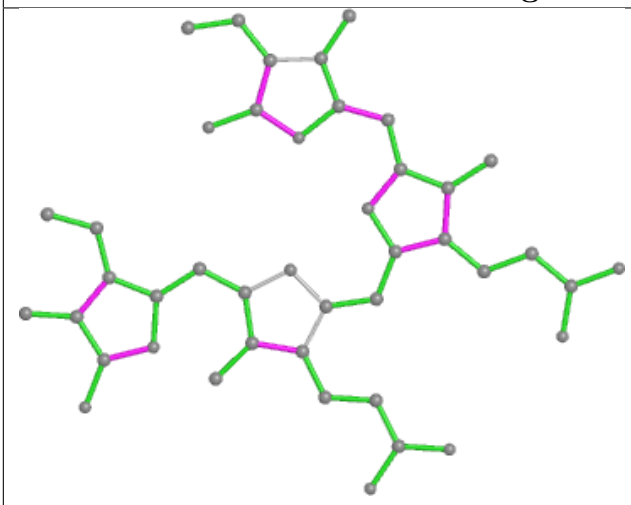

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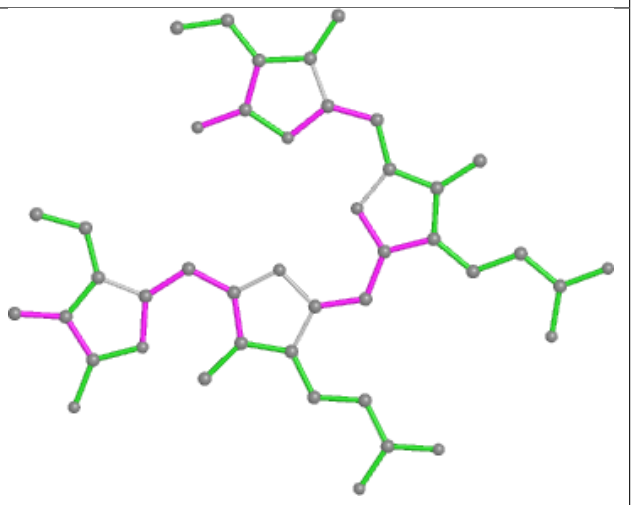

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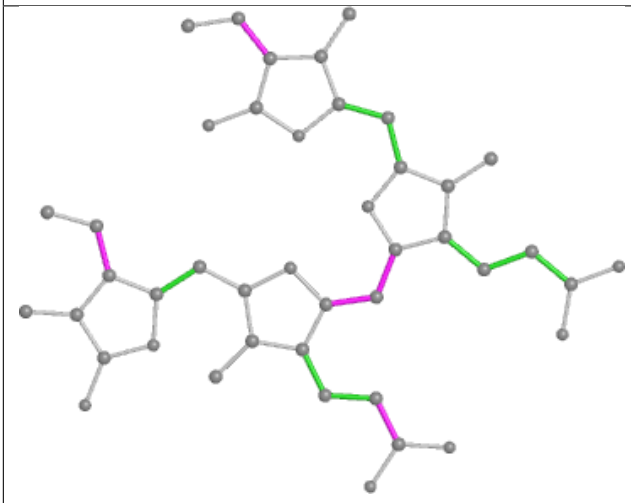

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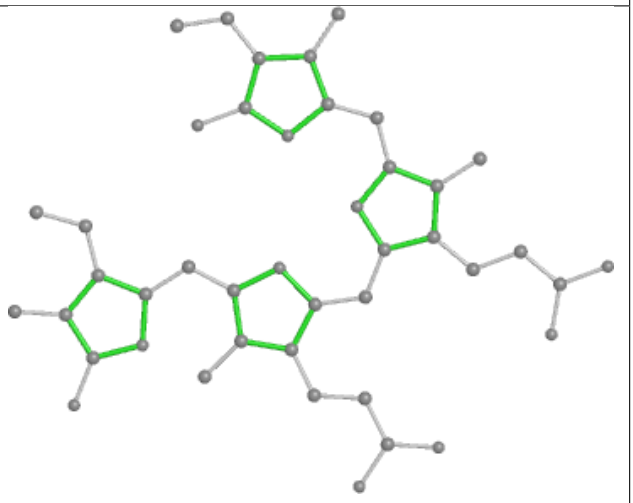

Rings

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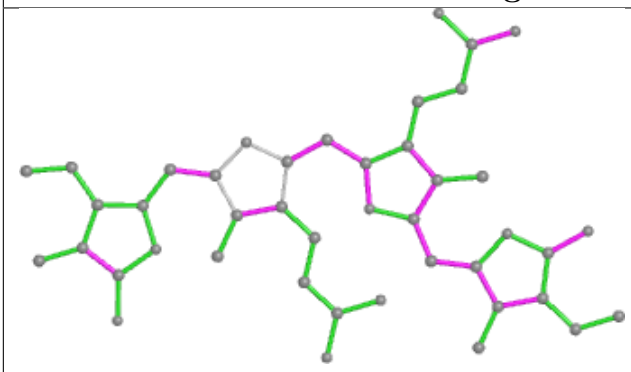

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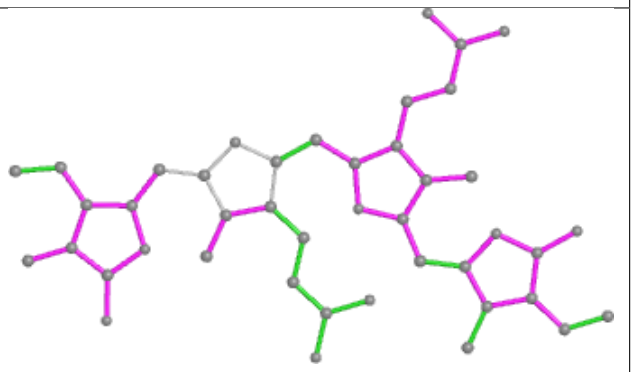

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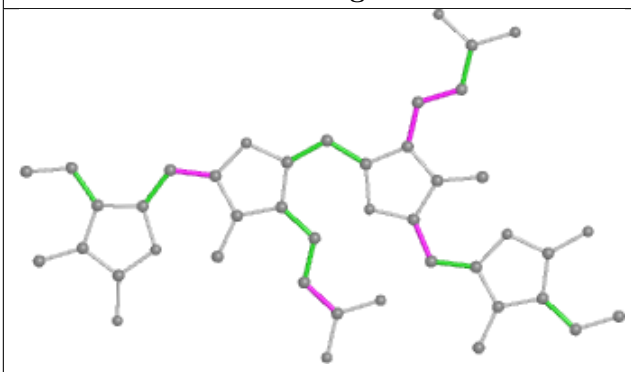

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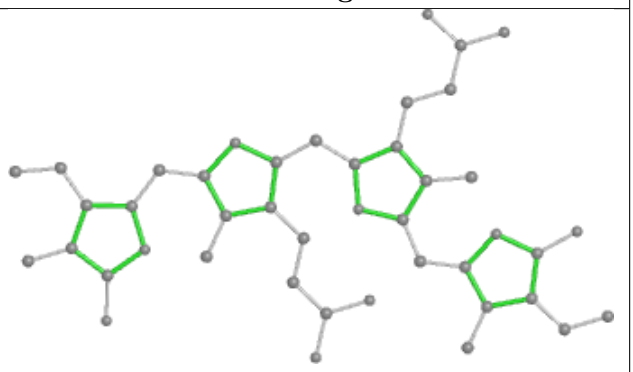
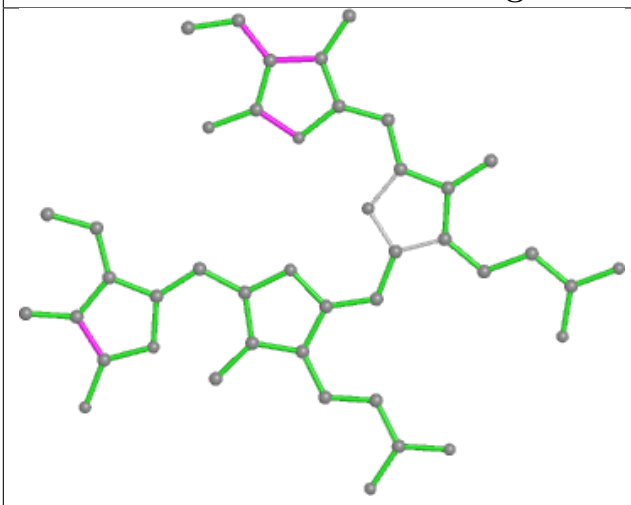


Rings

Ligand PEB Y5 1001



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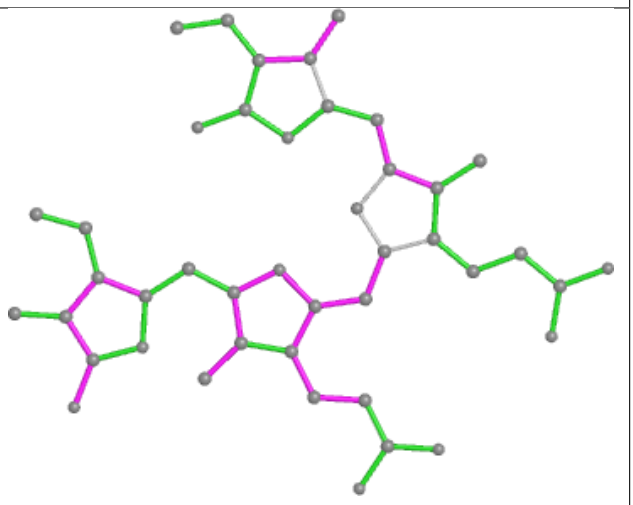

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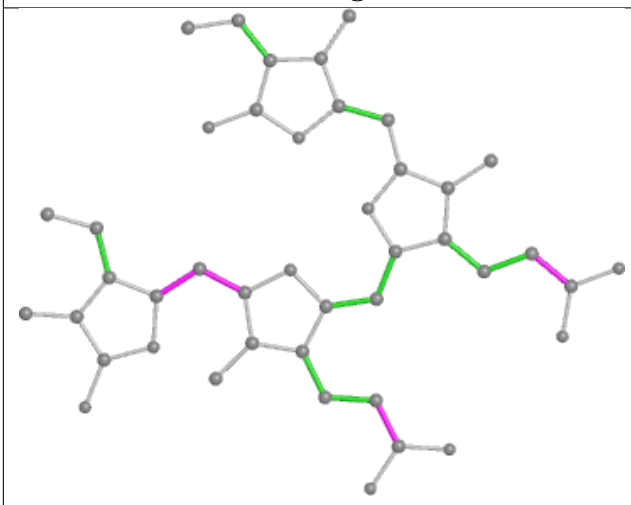

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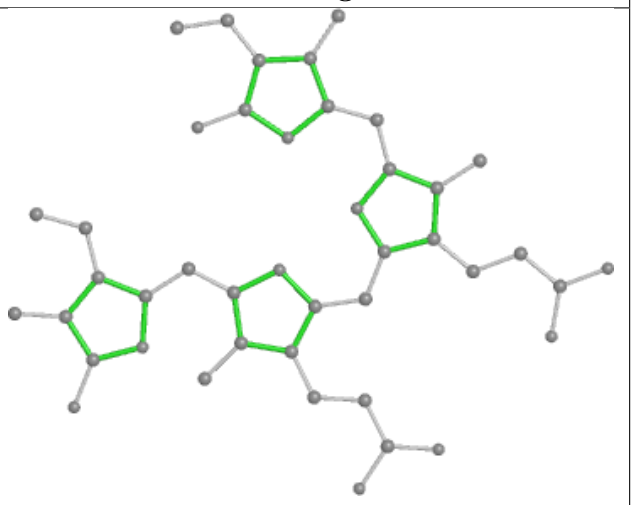
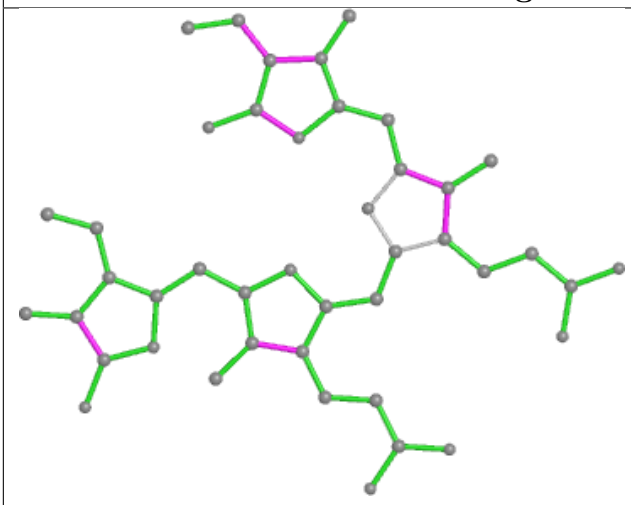


Rings

Ligand PEB R7 202



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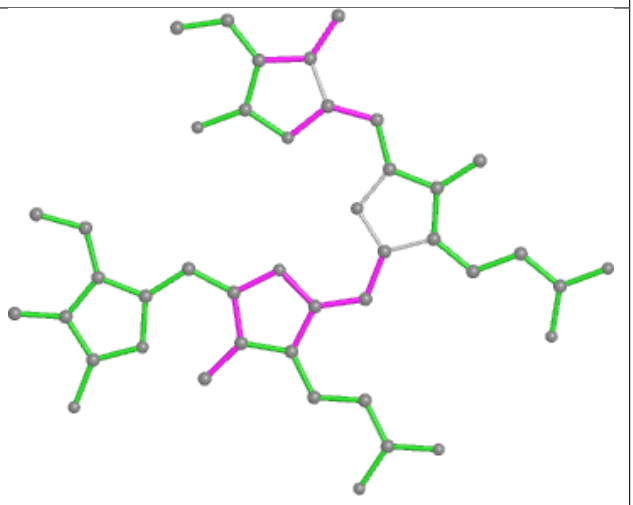

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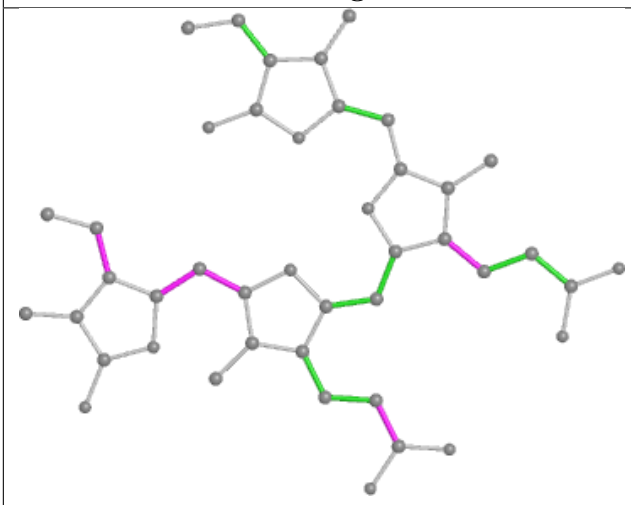

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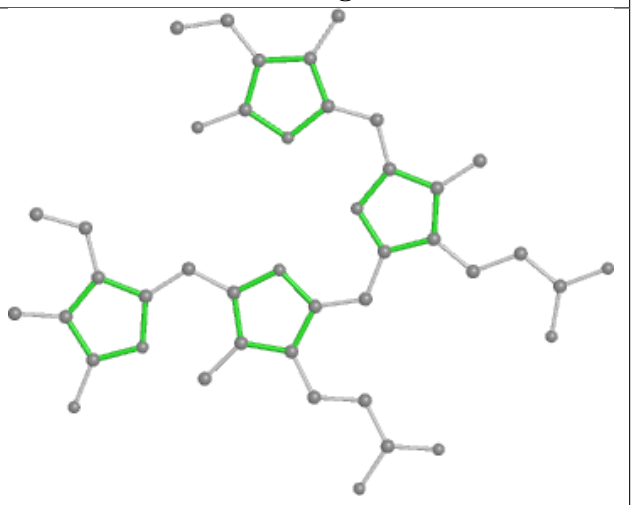

Rings

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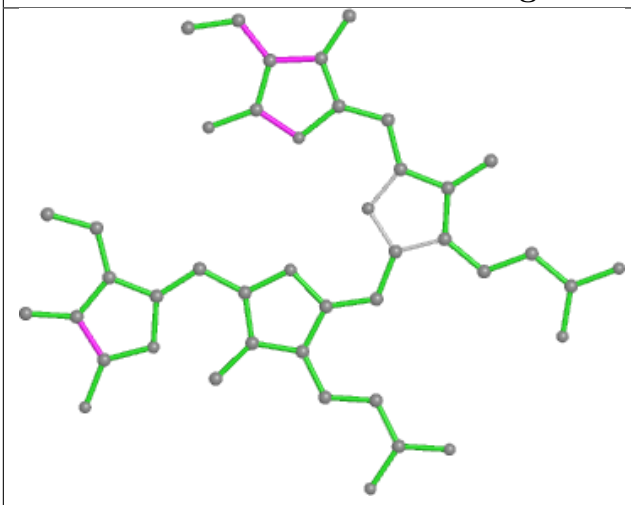

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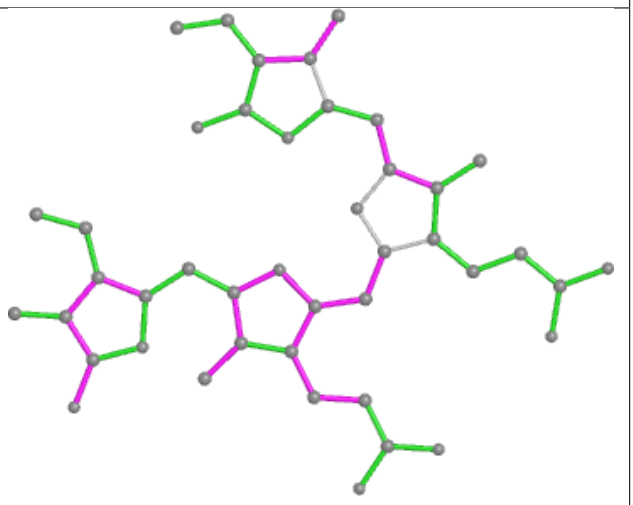

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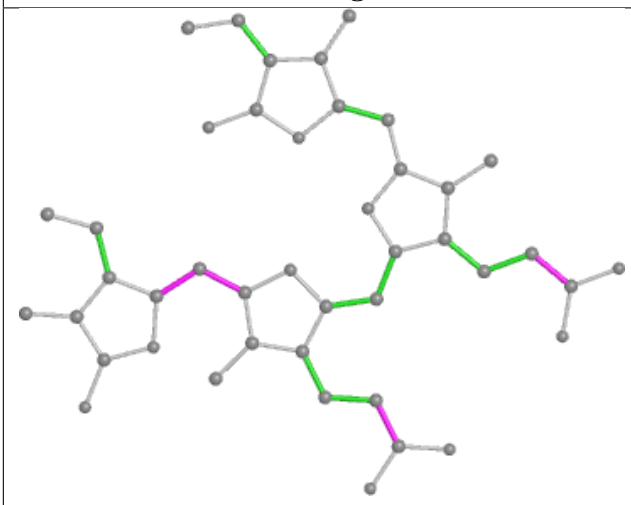

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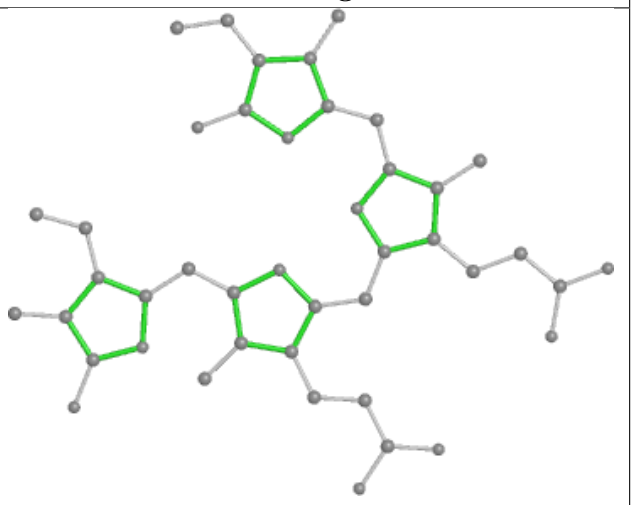

Rings

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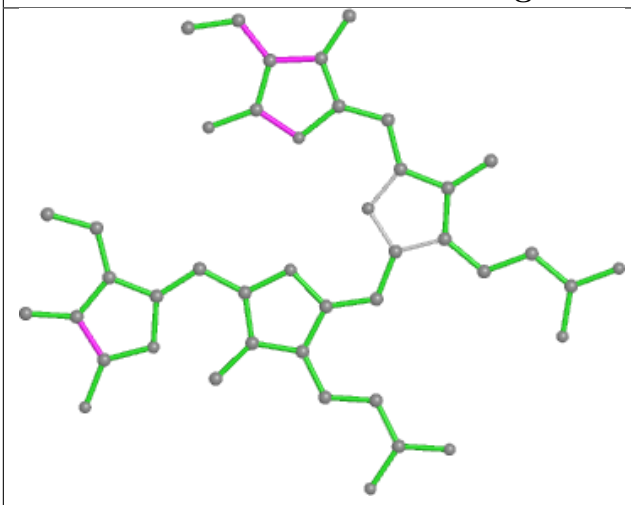

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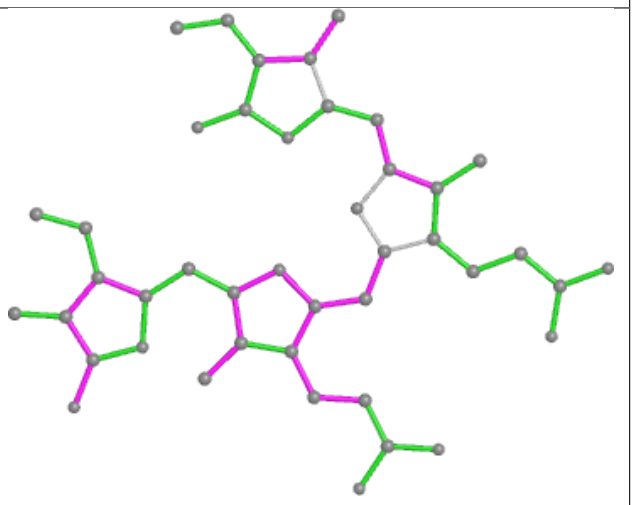

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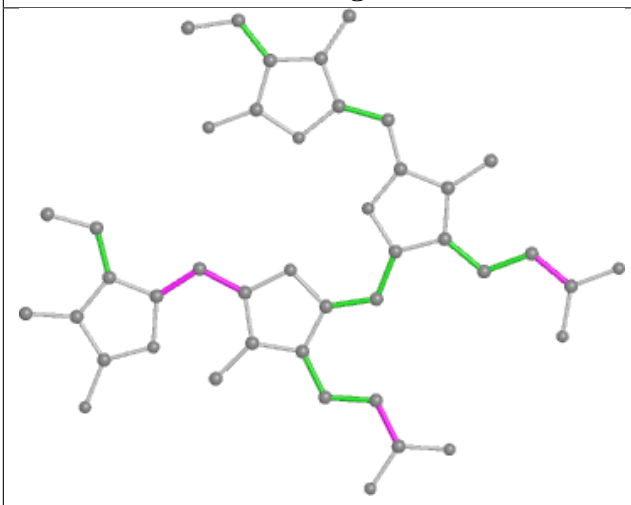

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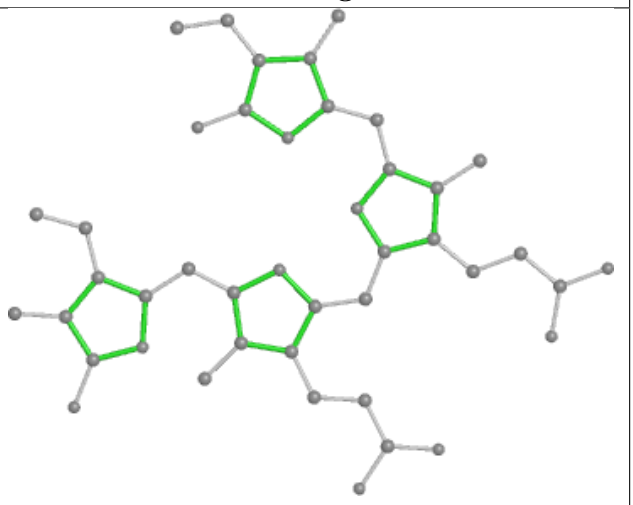

Rings

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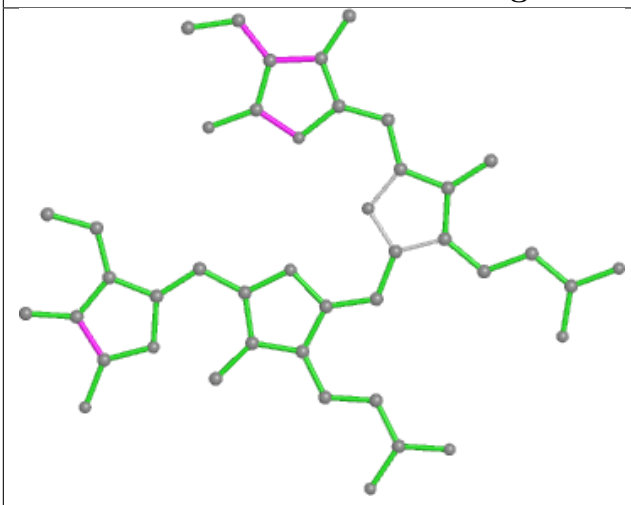

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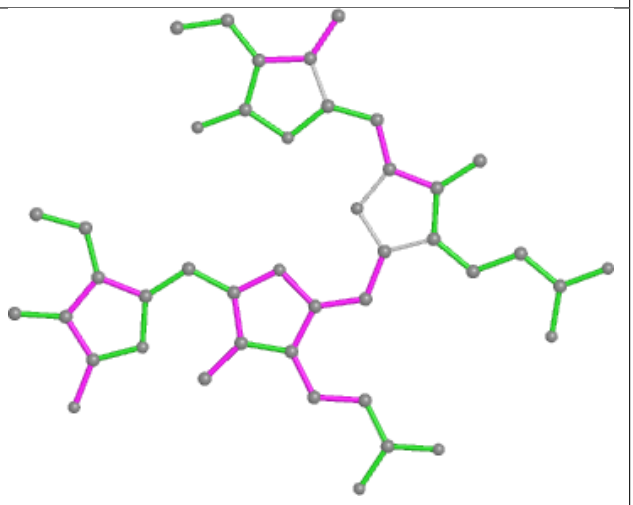
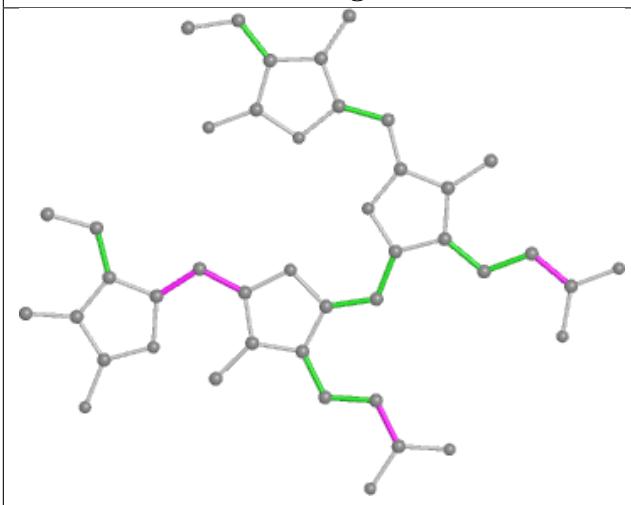
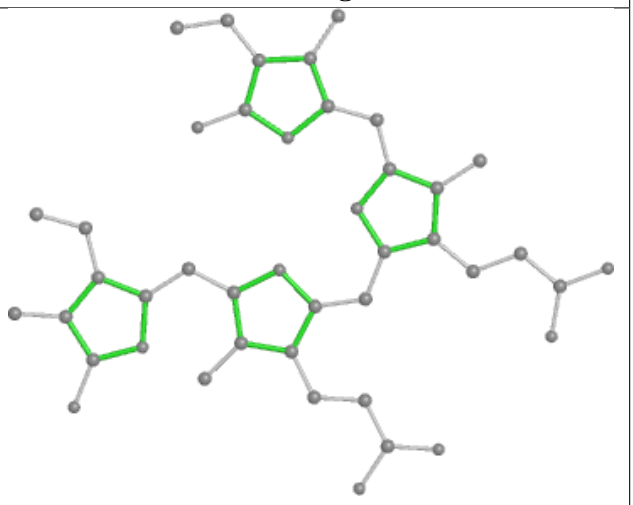


Bond angles

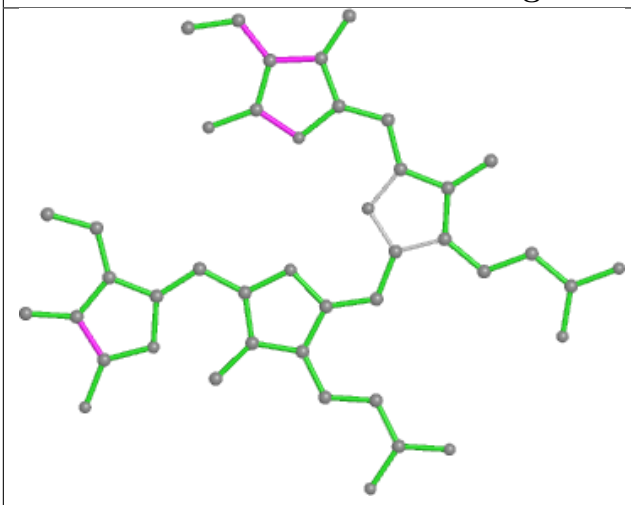


Torsions



Rings

Ligand PEB cI 201



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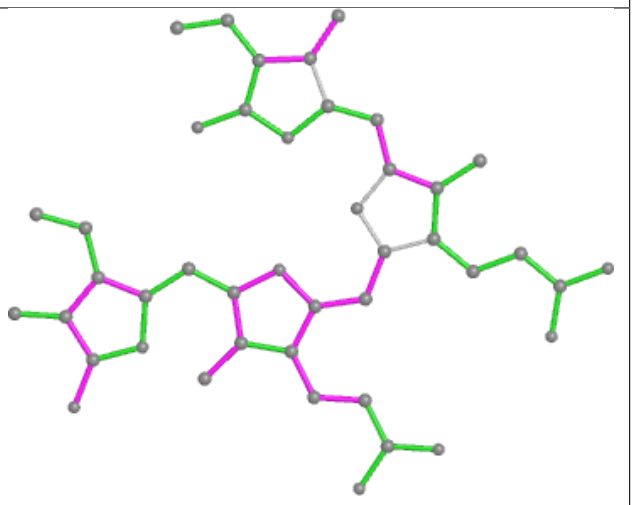

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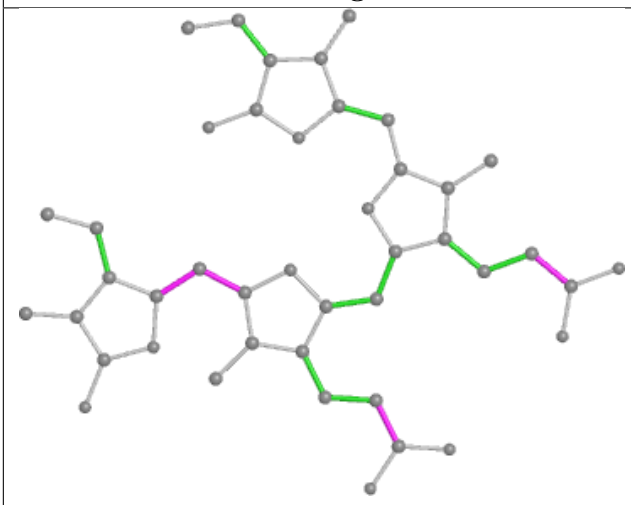

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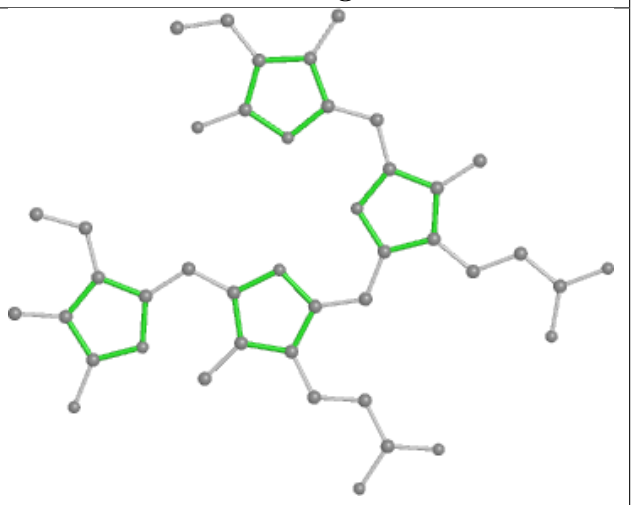
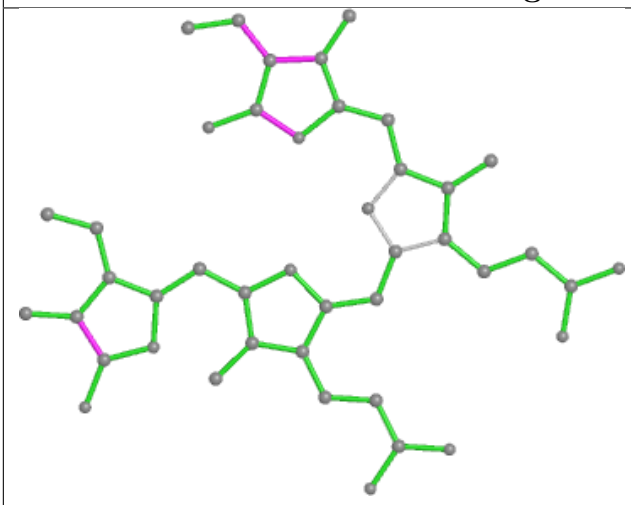


Rings

Ligand PEB l2 201



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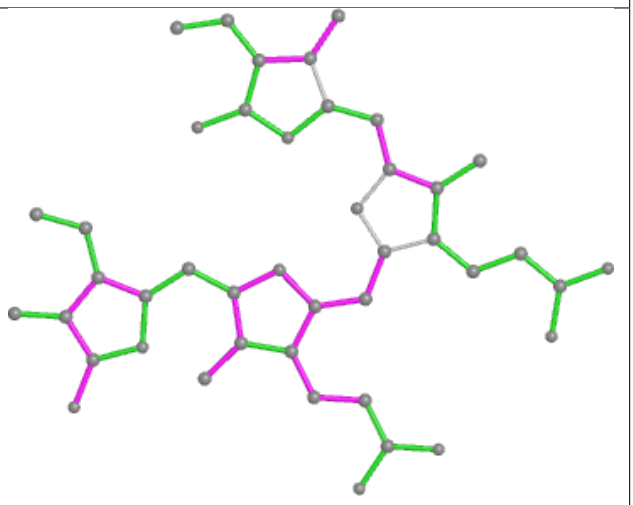

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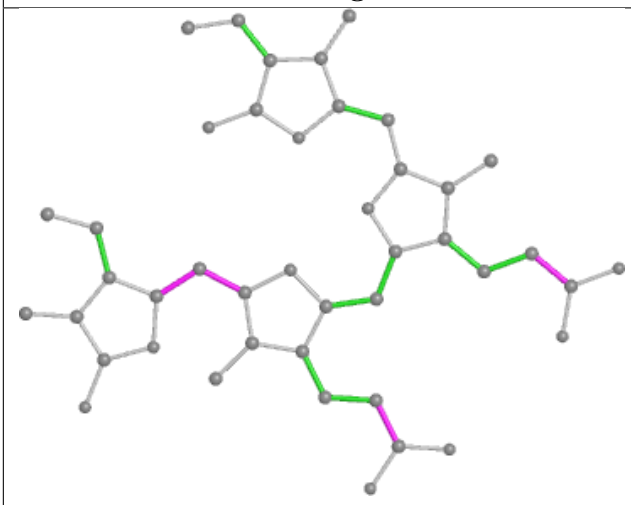

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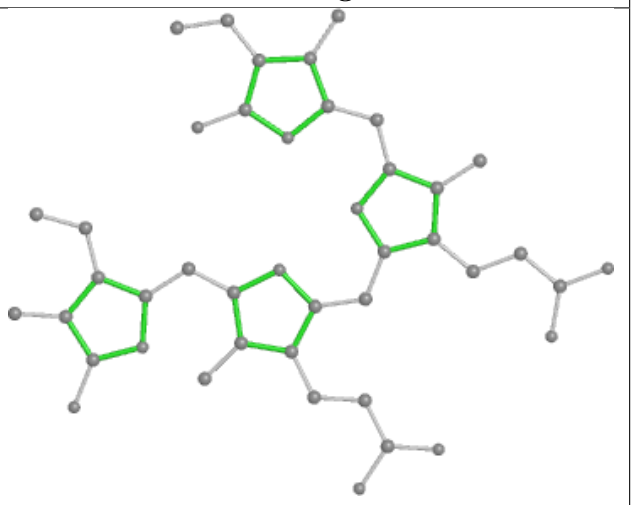
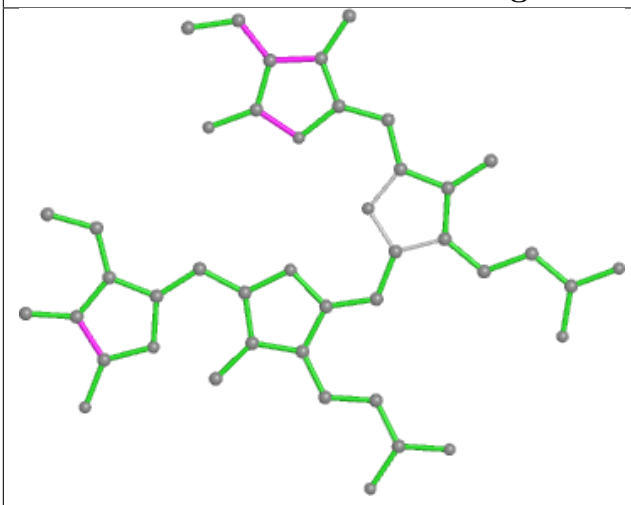


Rings

Ligand PEB W4 202



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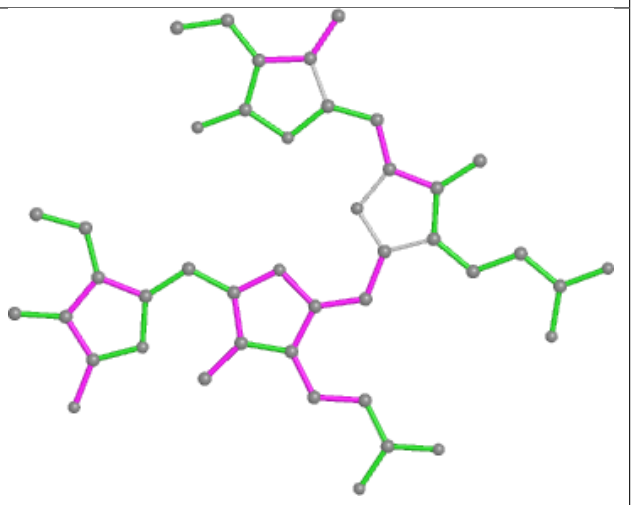

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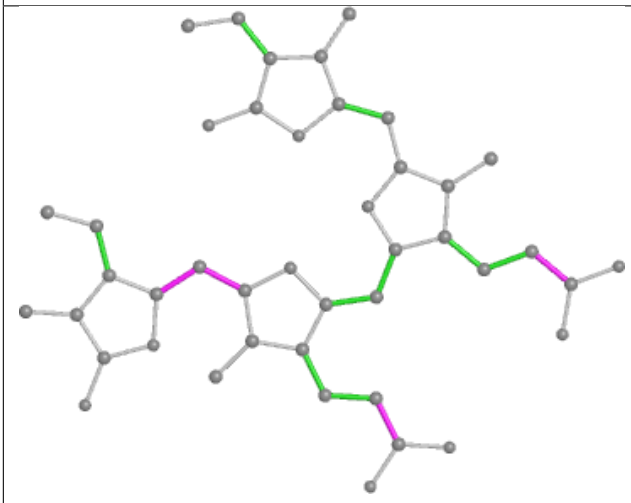

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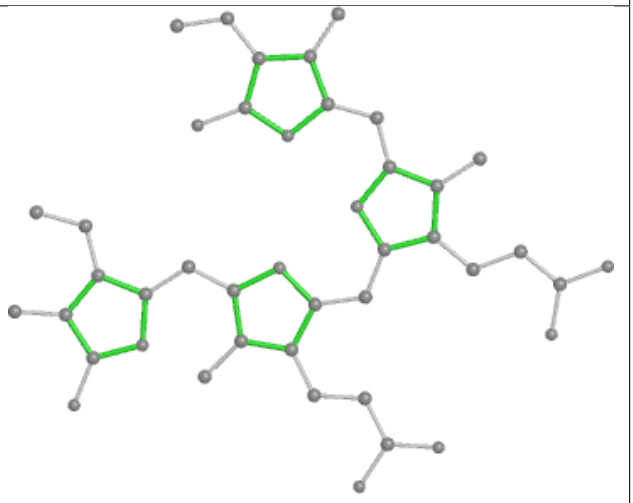
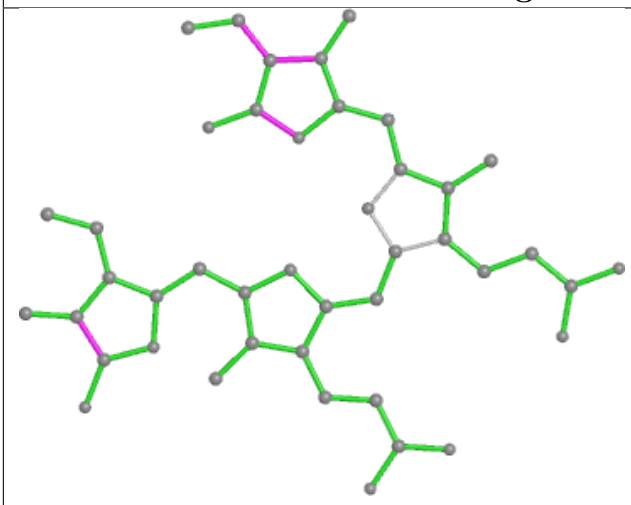


Rings

Ligand PEB aX 402



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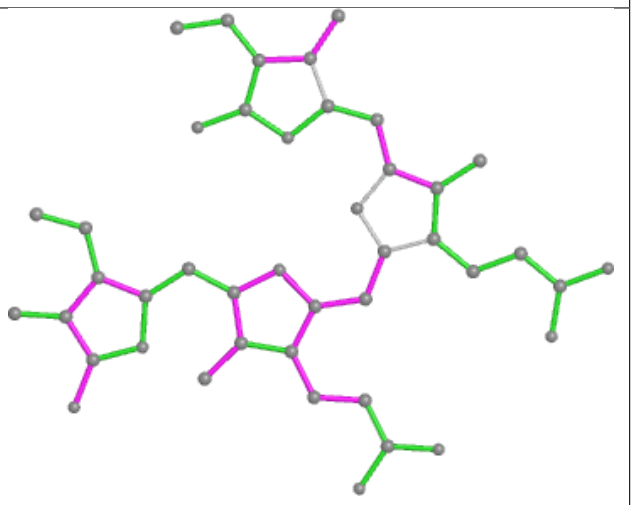

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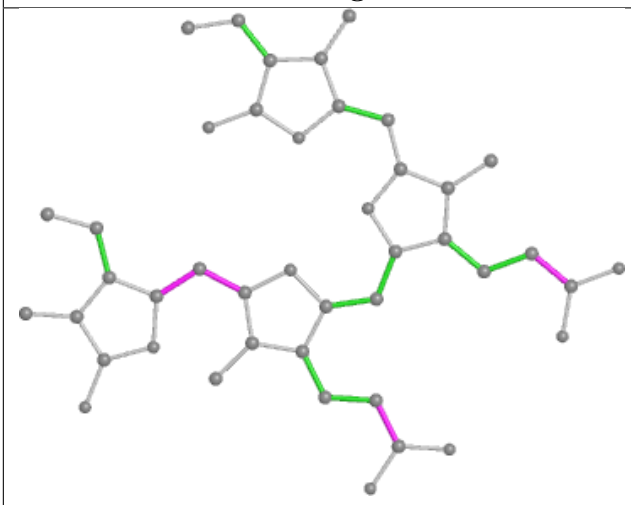

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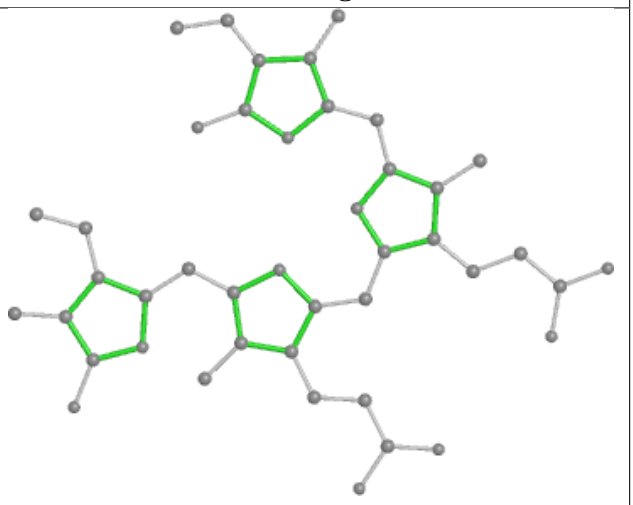
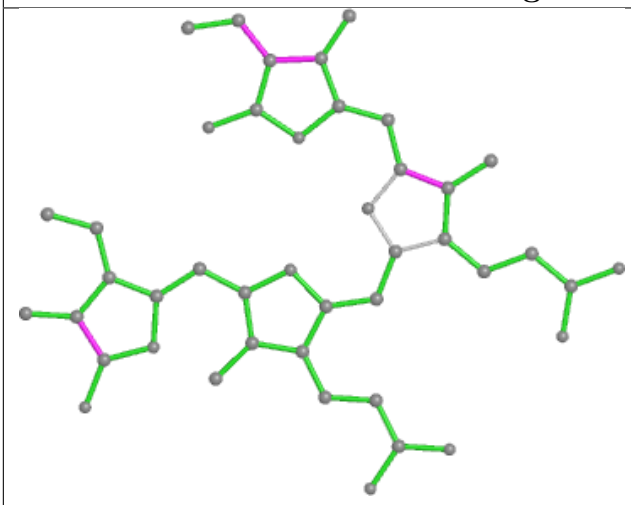


Rings

Ligand PEB cI 202



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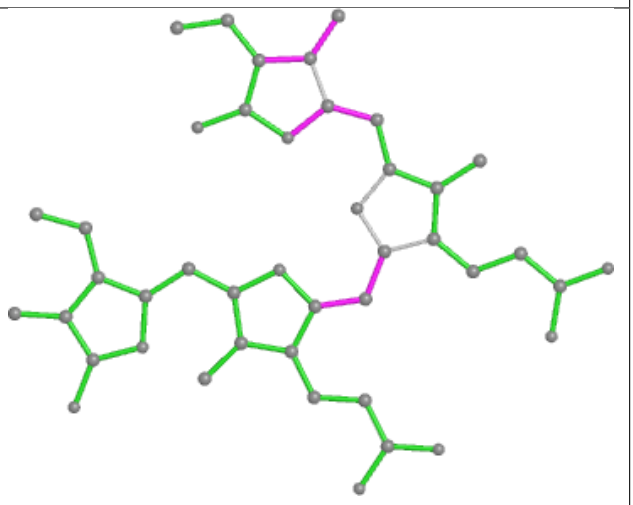

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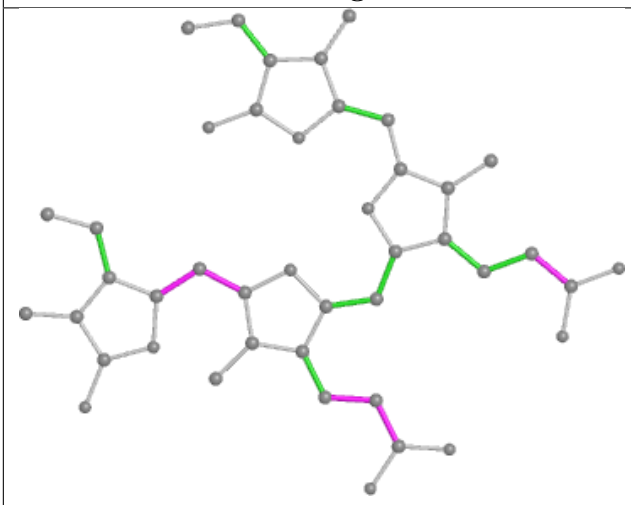

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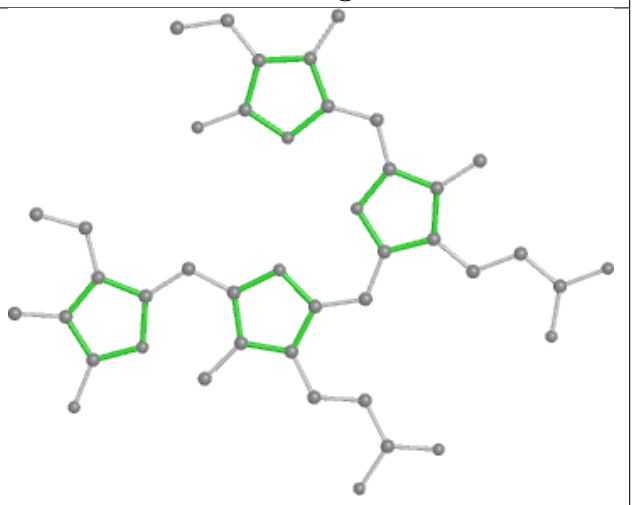

Rings

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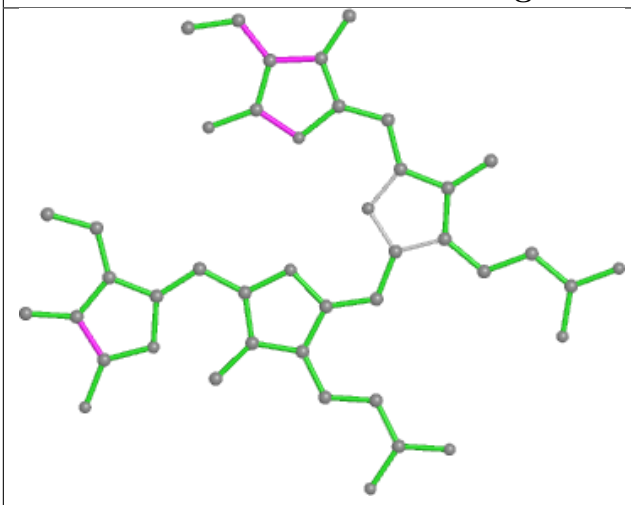

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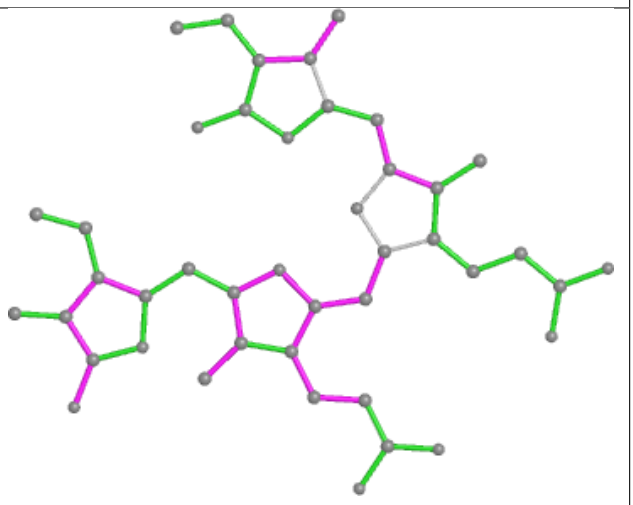

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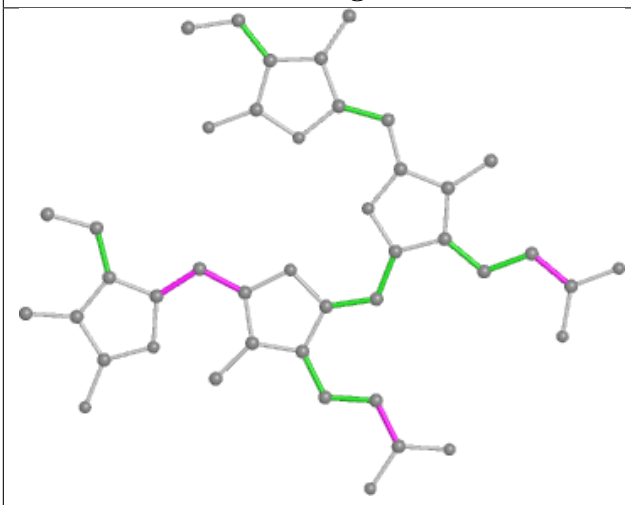

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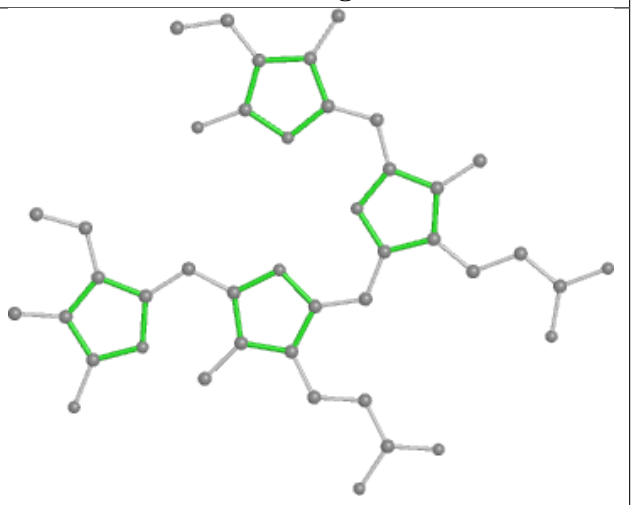

Rings

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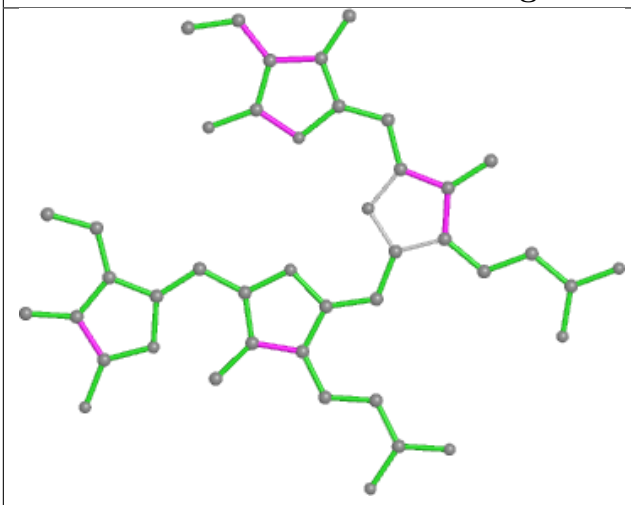

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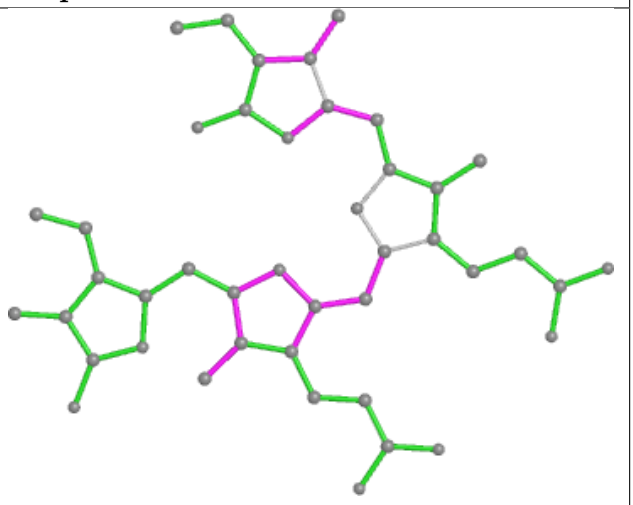

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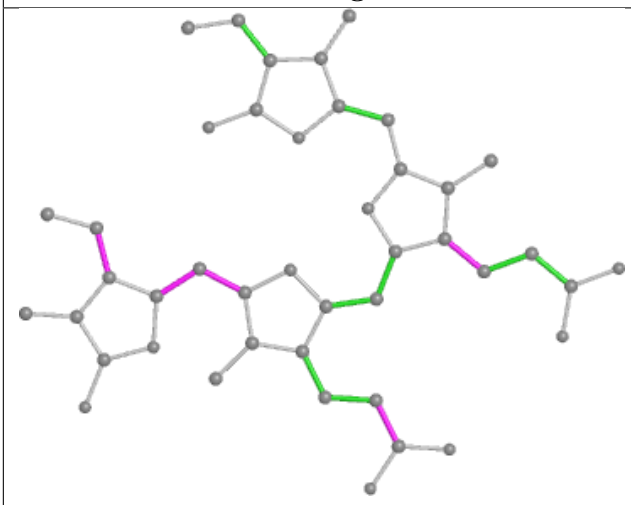

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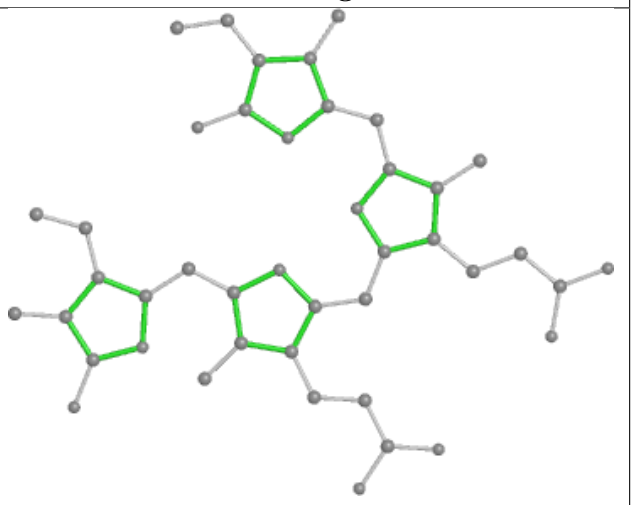
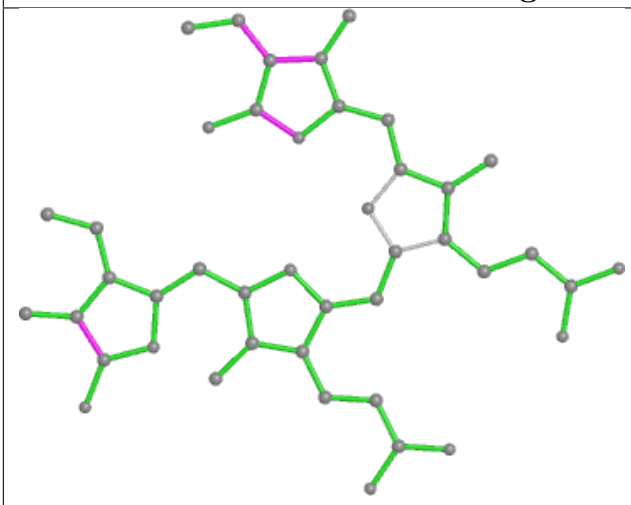


Rings

Ligand PEB 44 301



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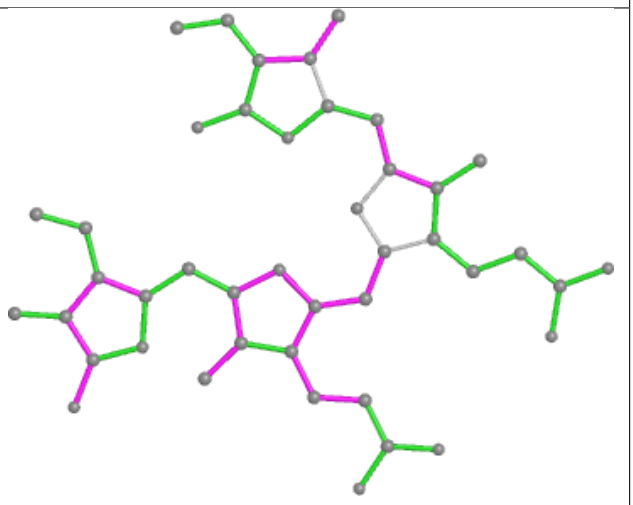

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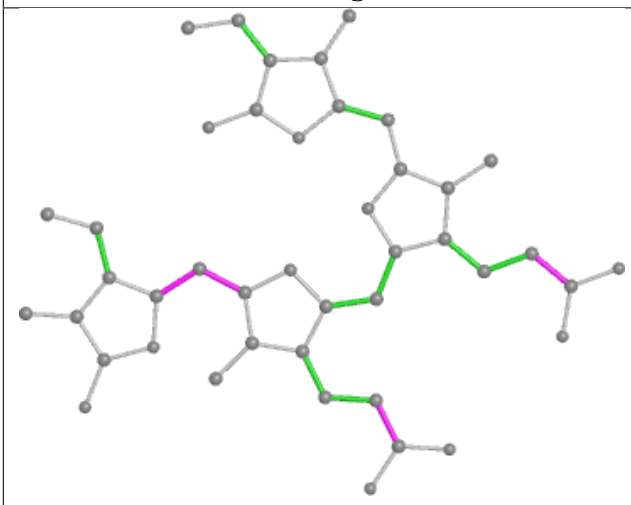

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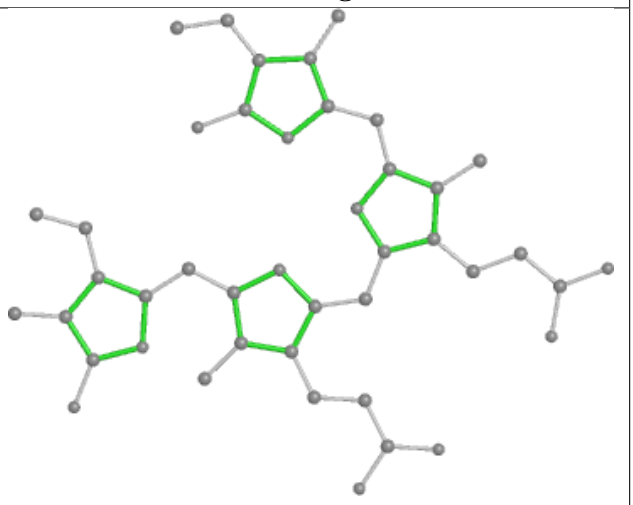
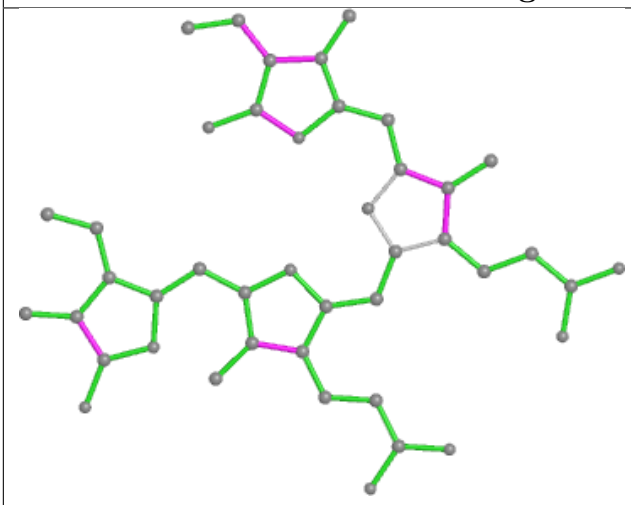


Rings

Ligand PEB h8 202



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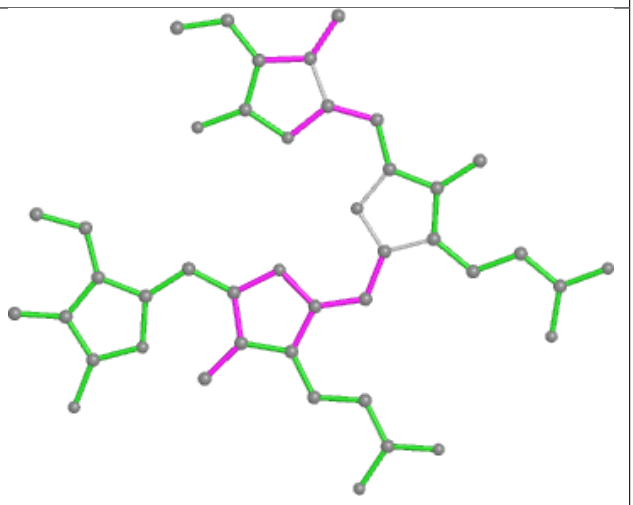

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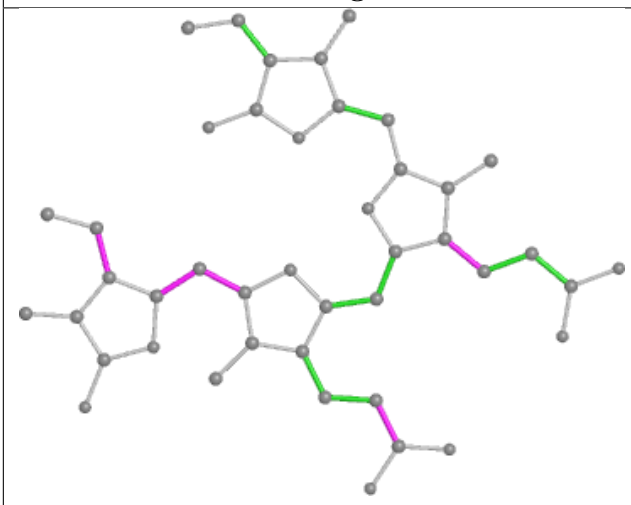

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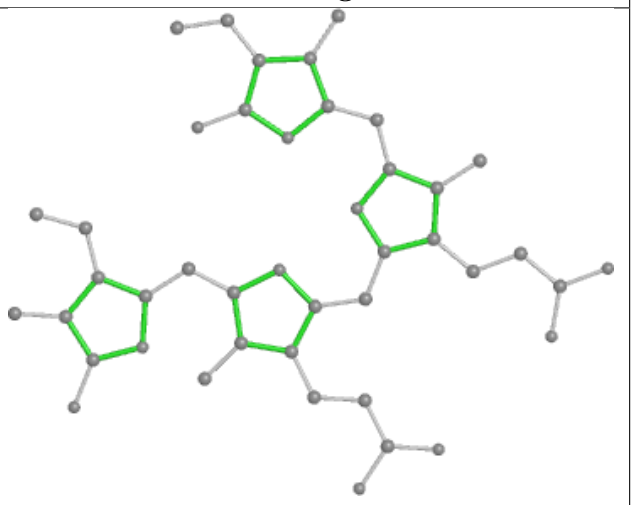
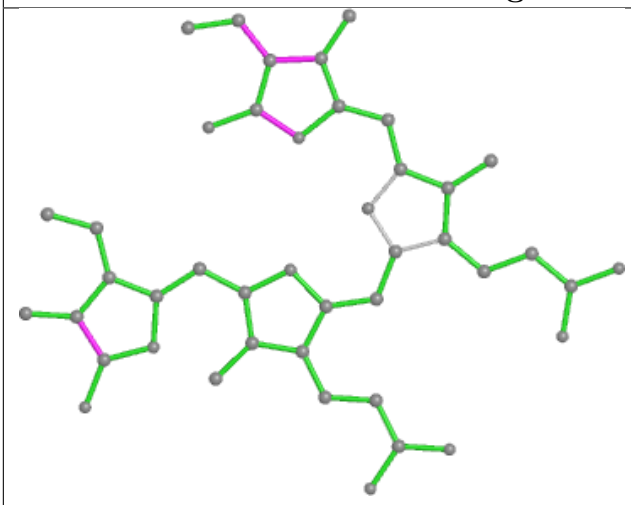


Rings

Ligand PEB w6 1002



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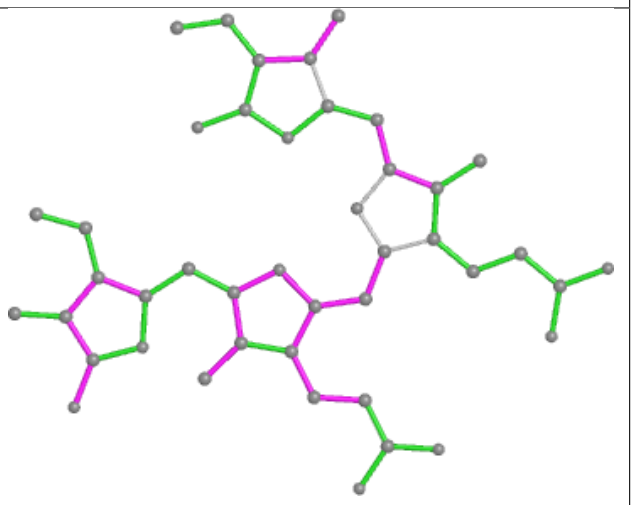
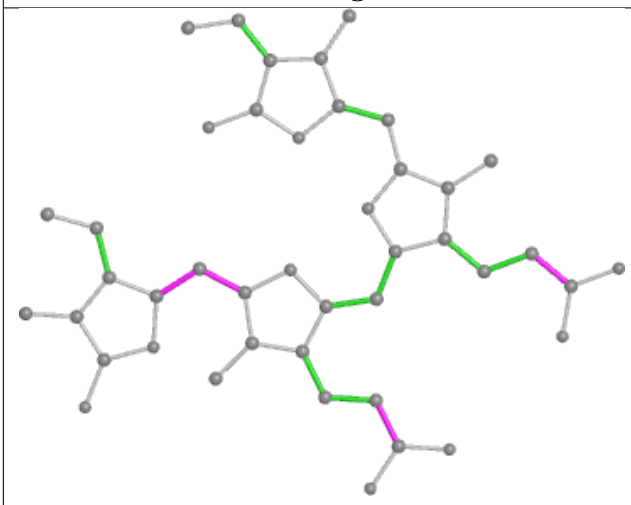


Bond angles



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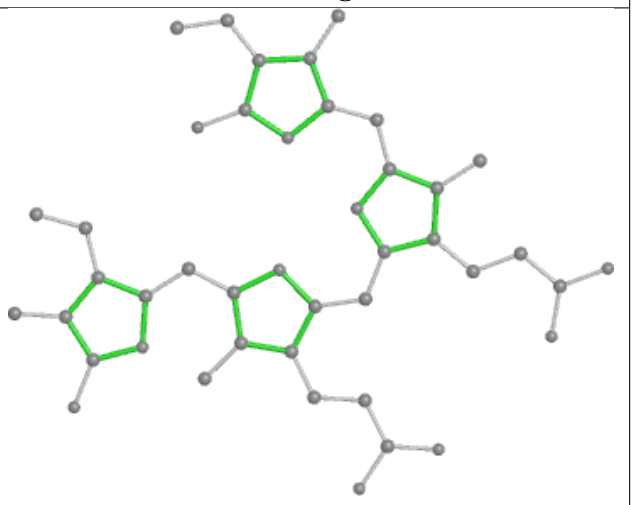

Rings

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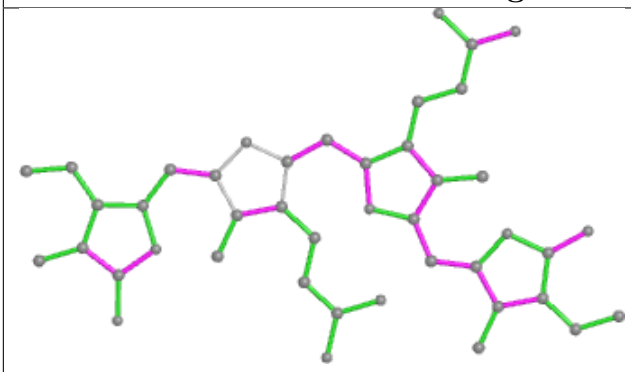

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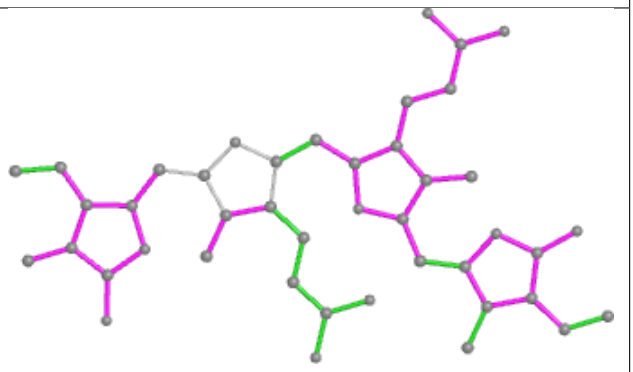

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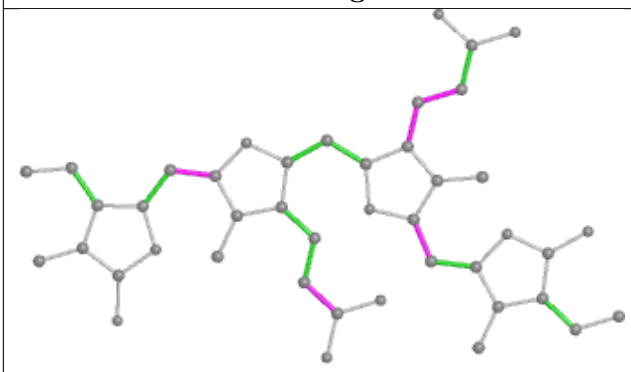

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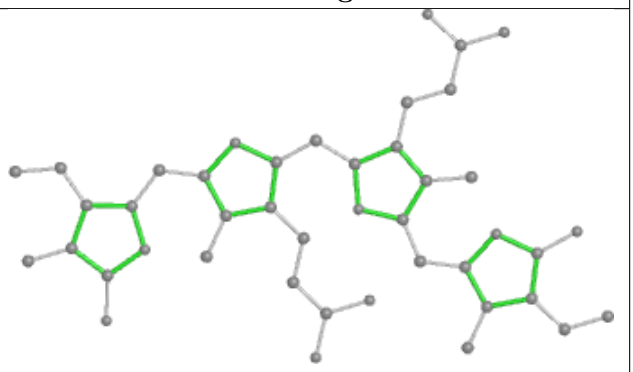
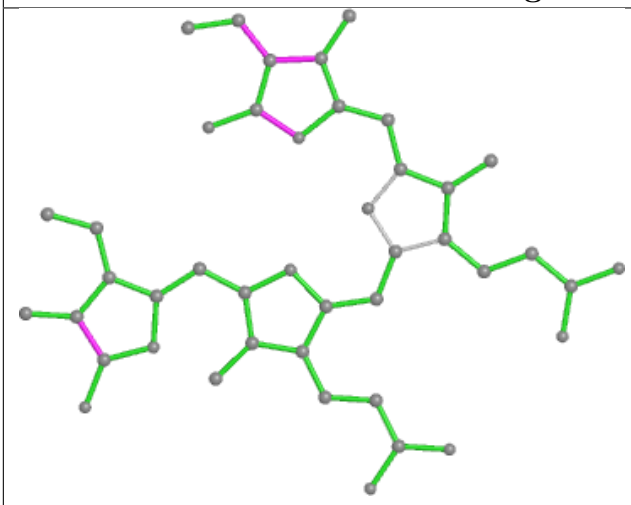


Rings

Ligand PEB cj 201



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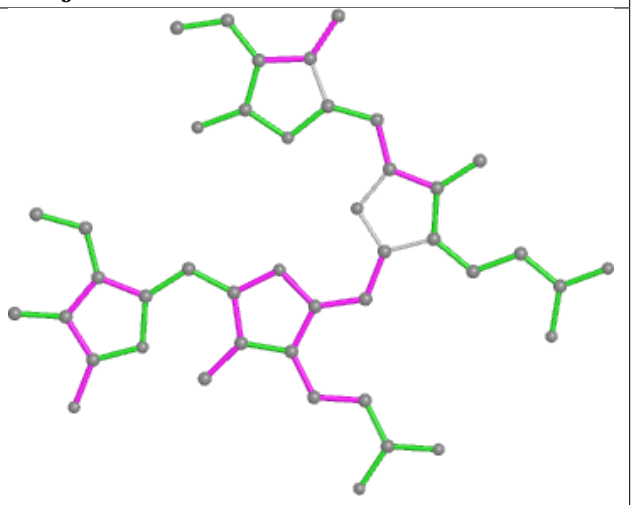

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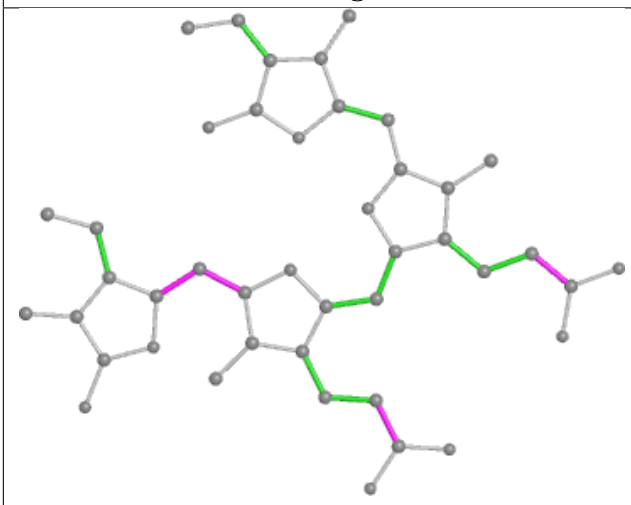

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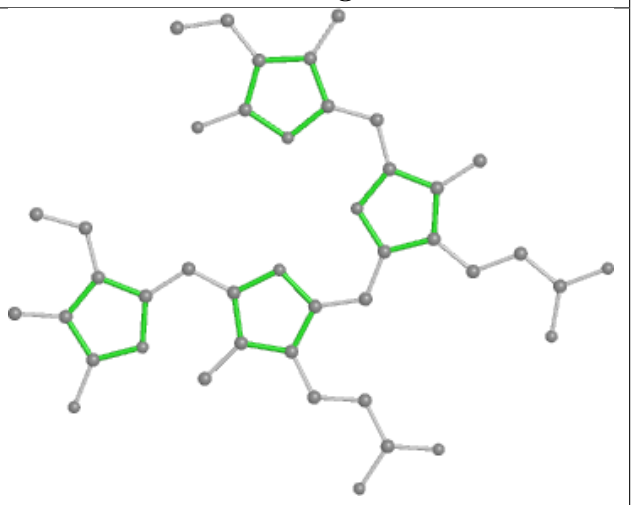

Rings

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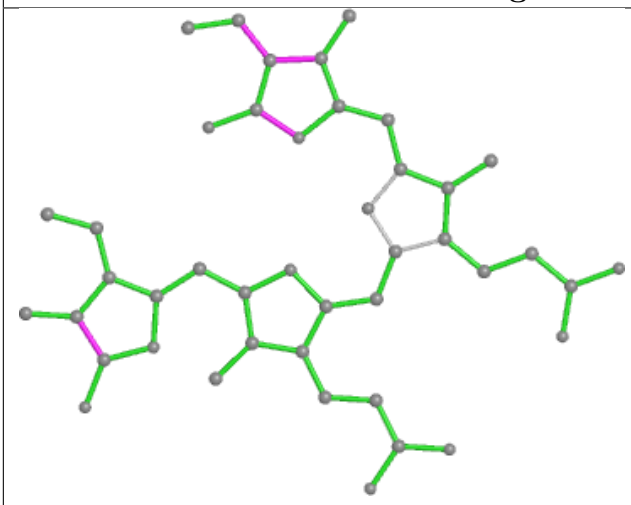

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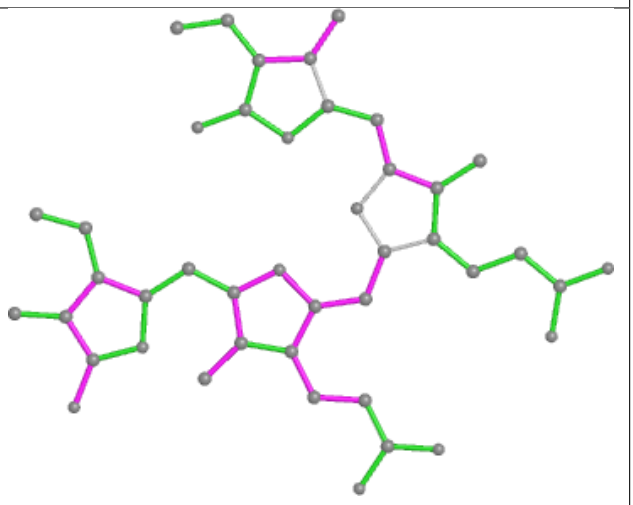

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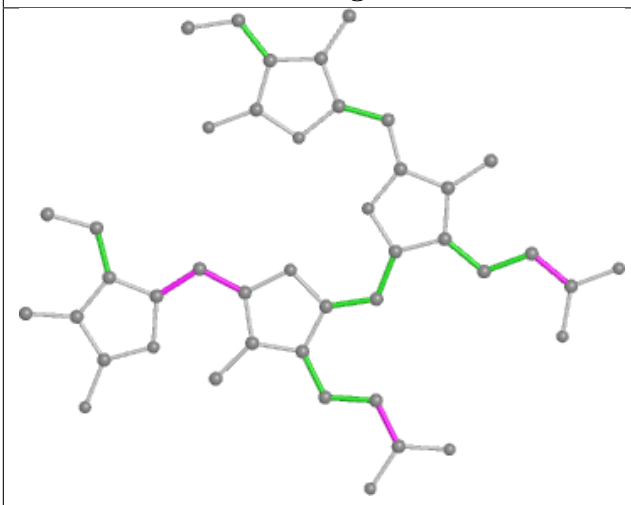
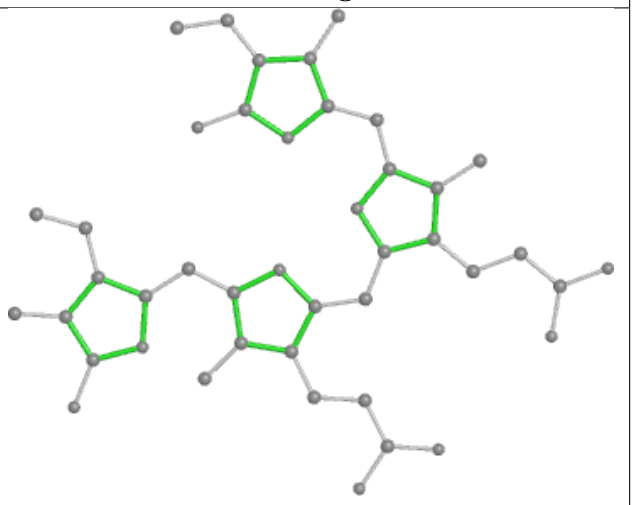
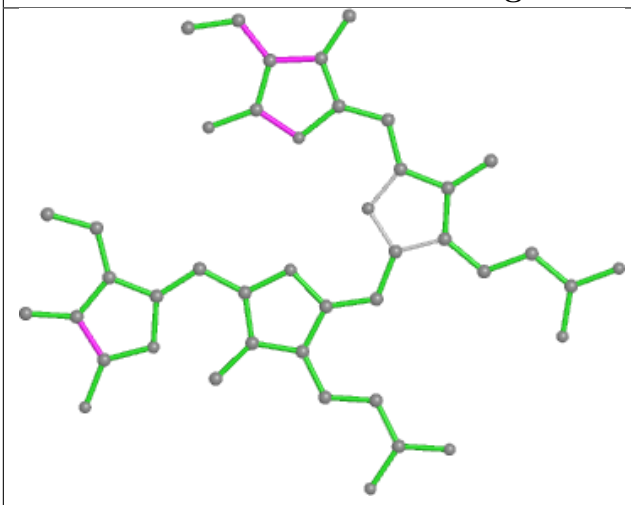


Torsions



Rings

Ligand PEB m5 1001



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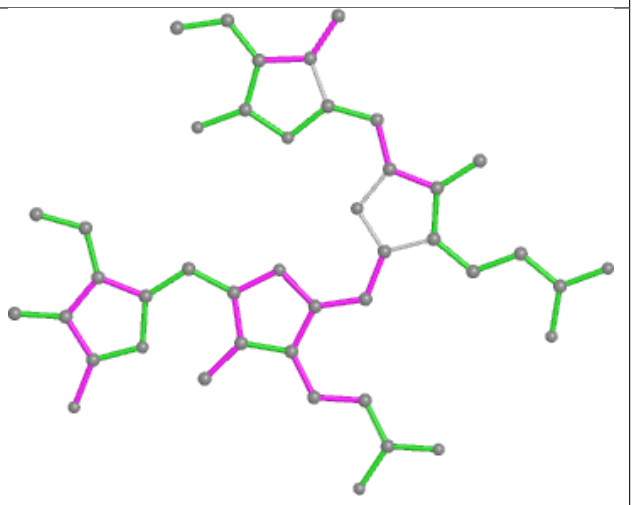

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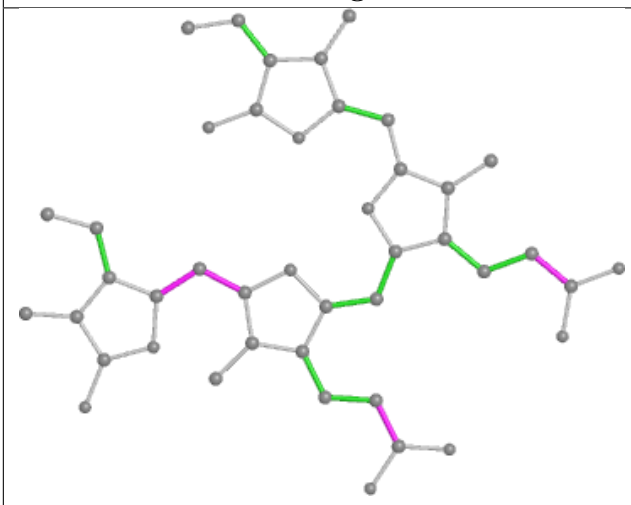

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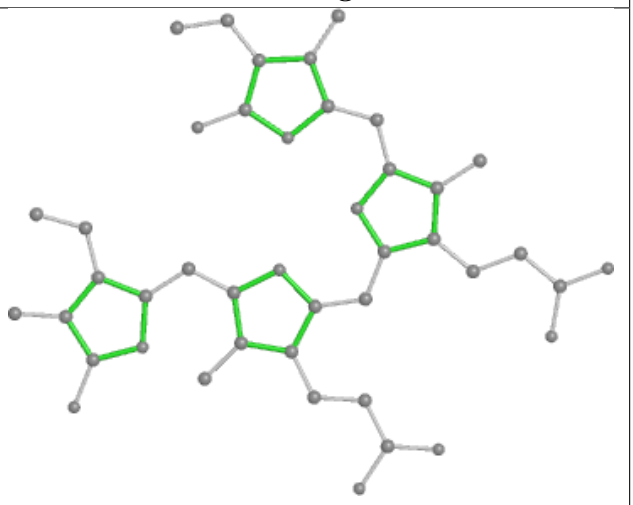
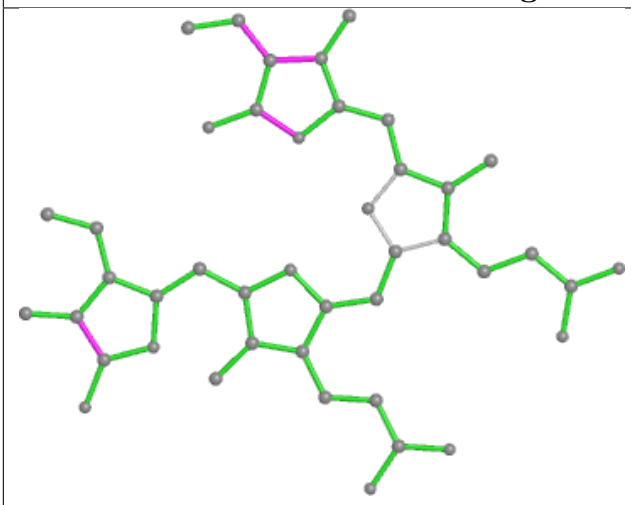


Rings

Ligand PEB av 201



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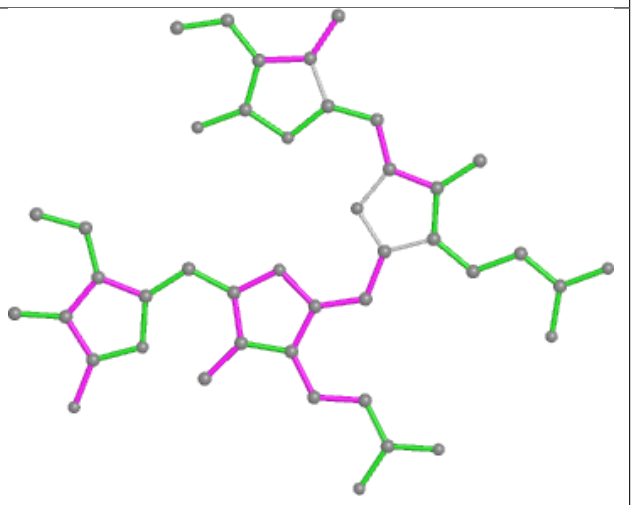

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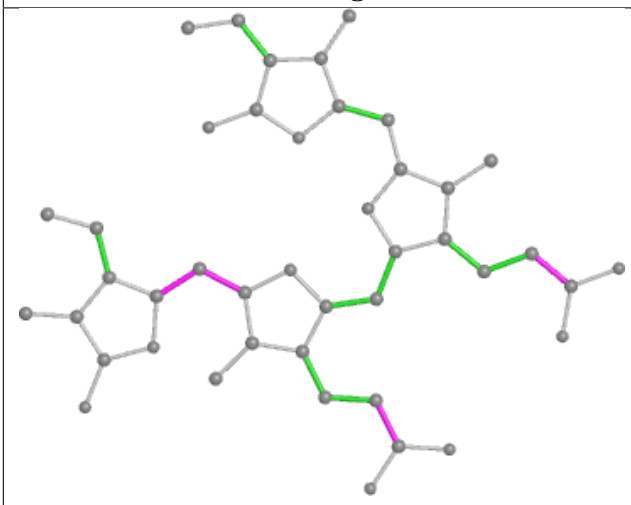

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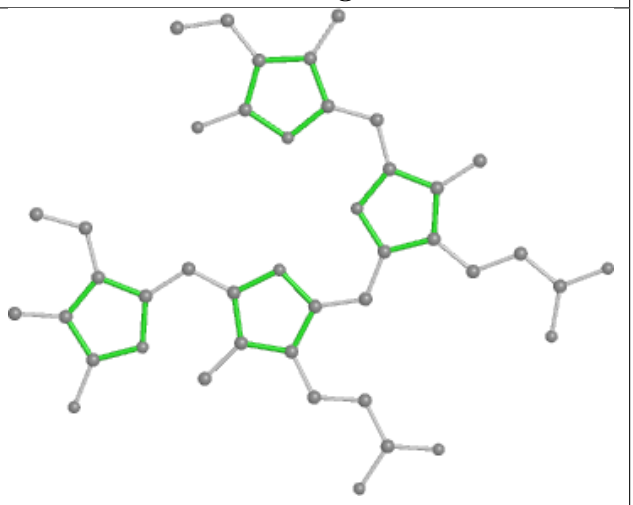

Rings

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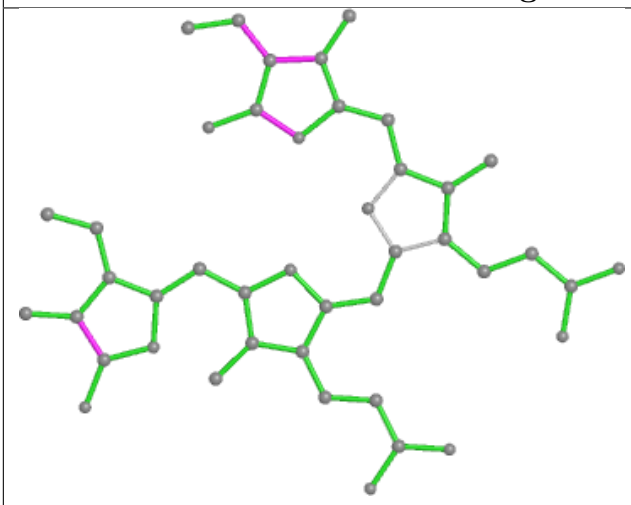

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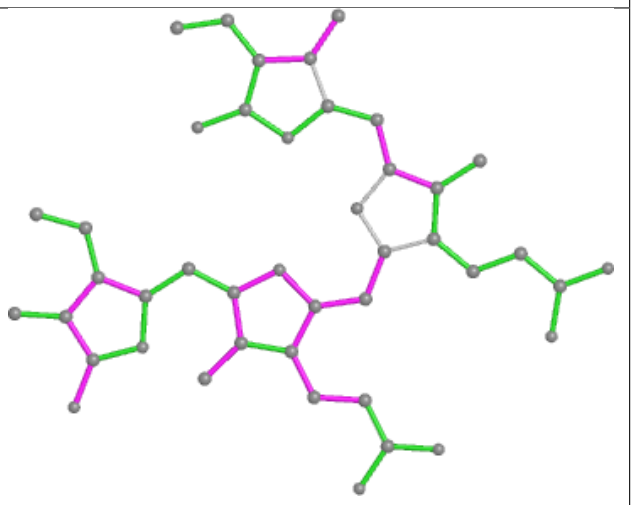

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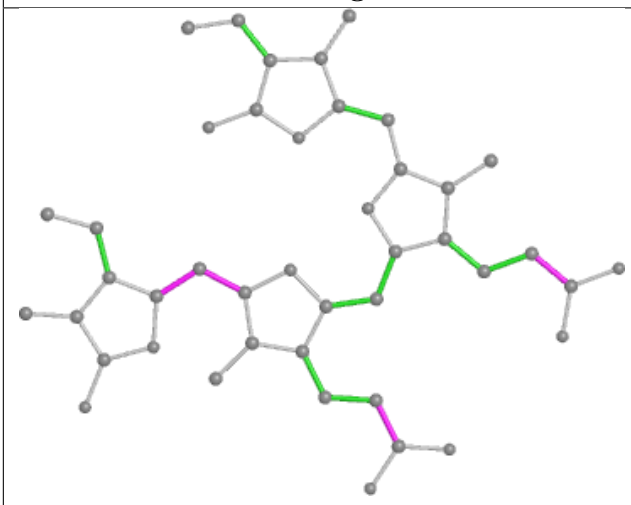

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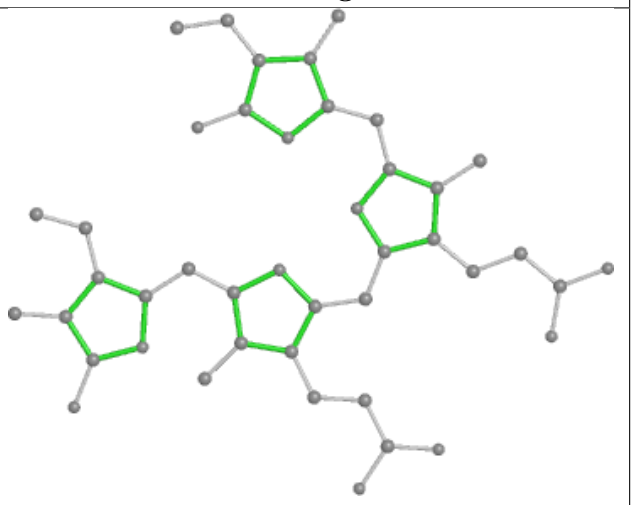

Rings

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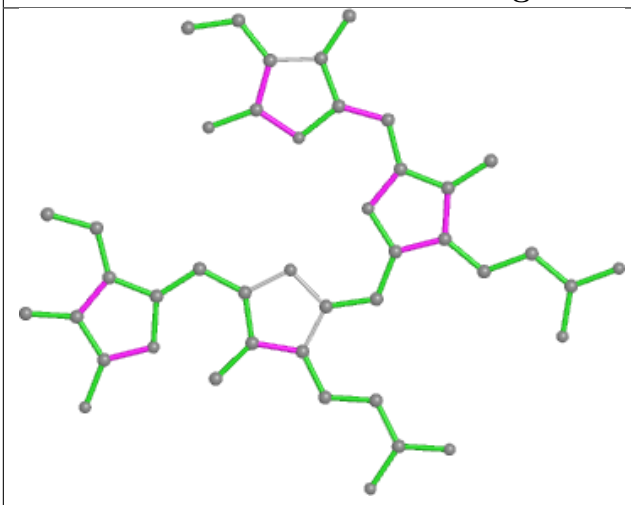

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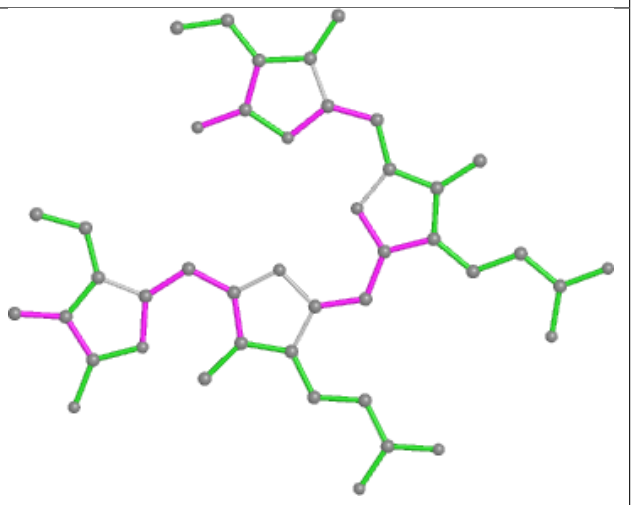

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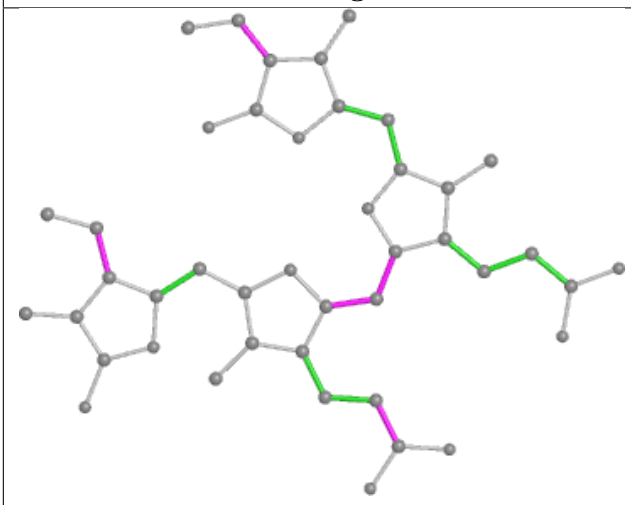

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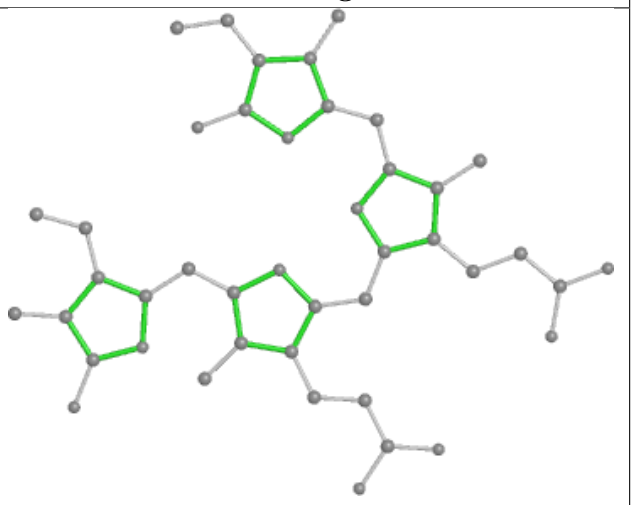

Rings

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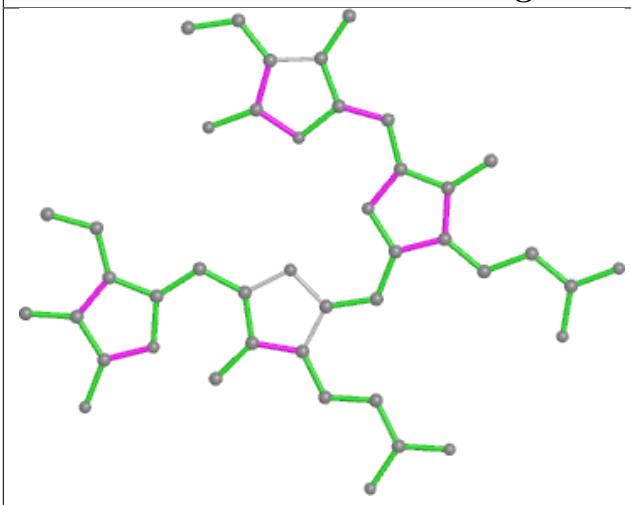

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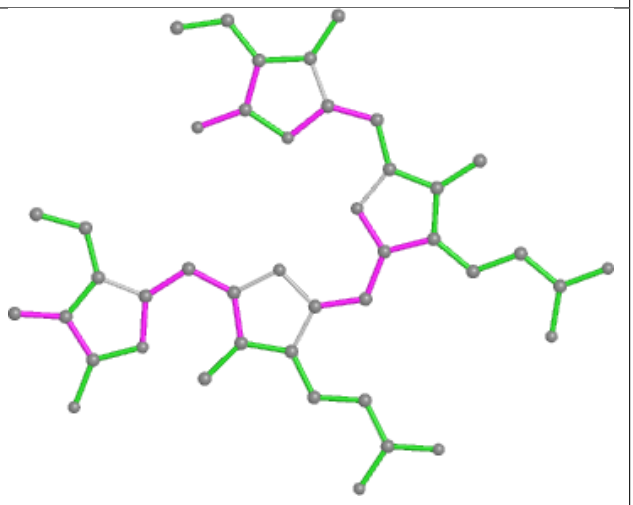

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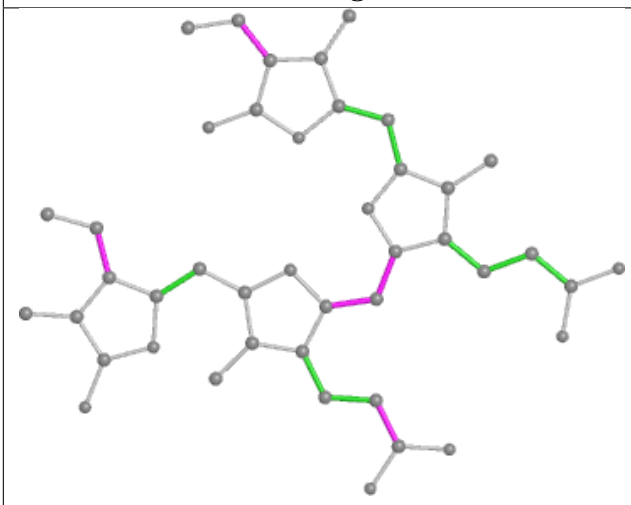

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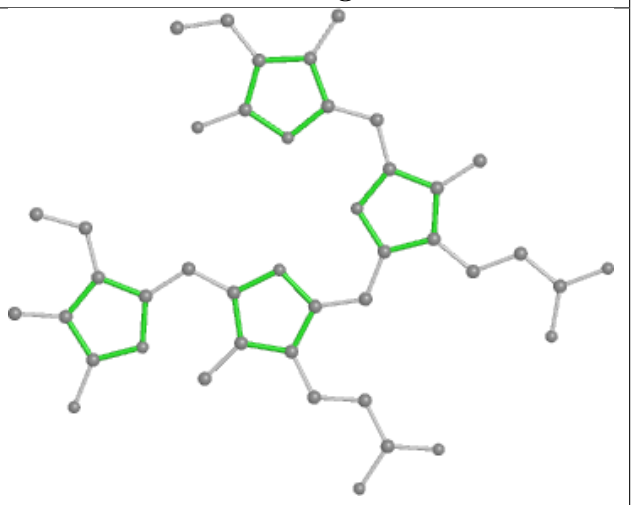
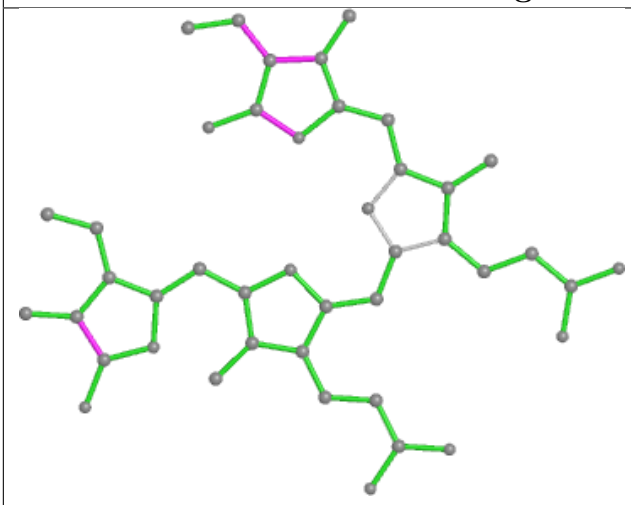


Rings

Ligand PEB K8 201



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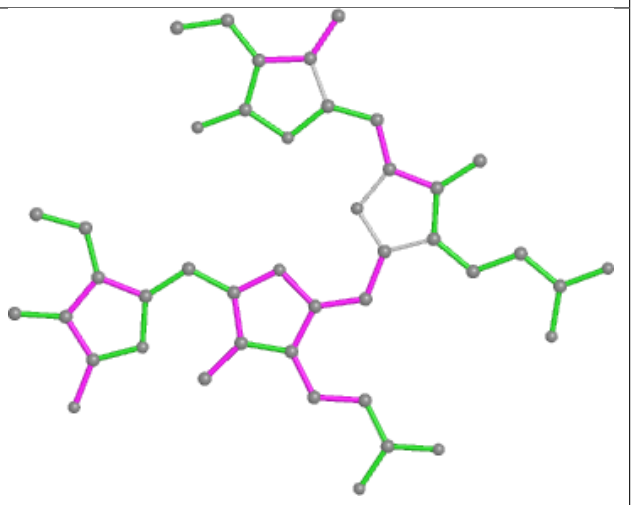

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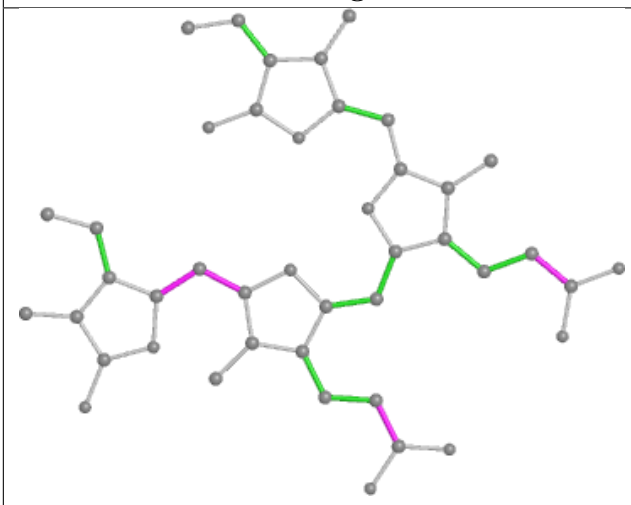

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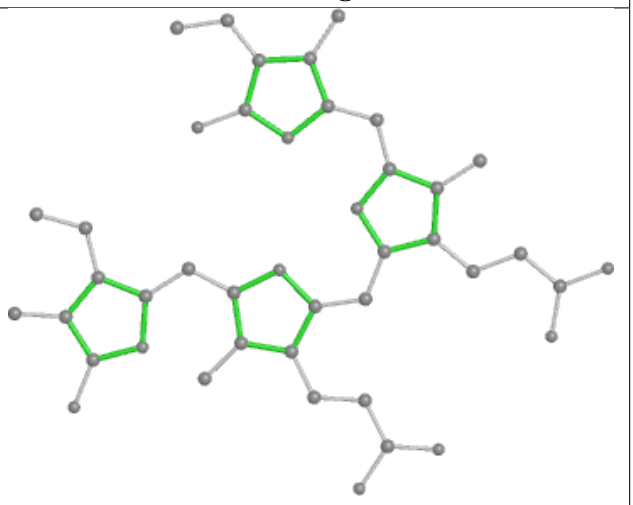
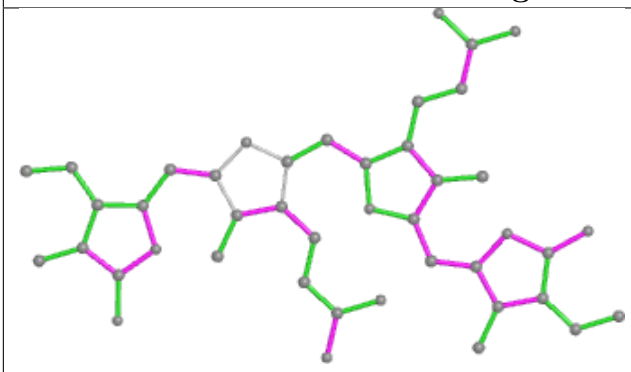


Rings

Ligand CYC H1 201



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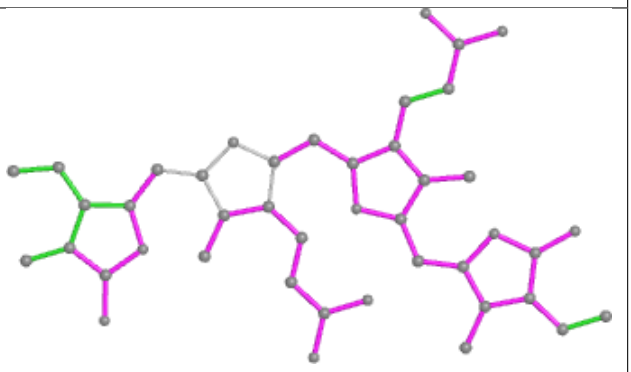

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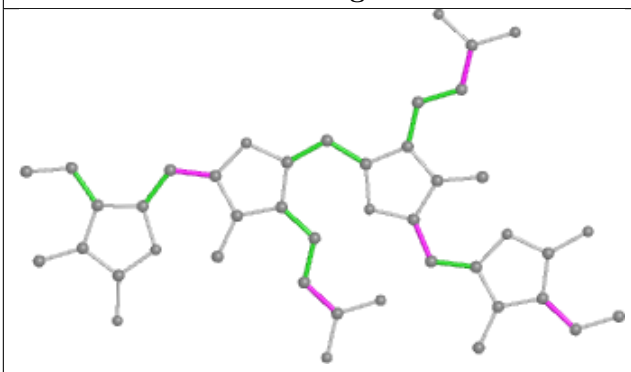

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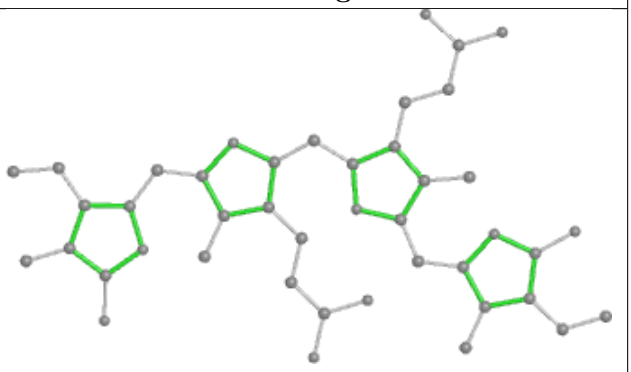
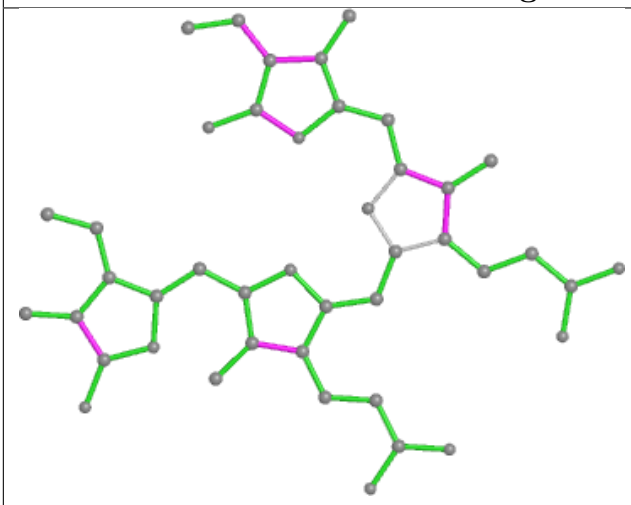


Rings

Ligand PEB ax 201



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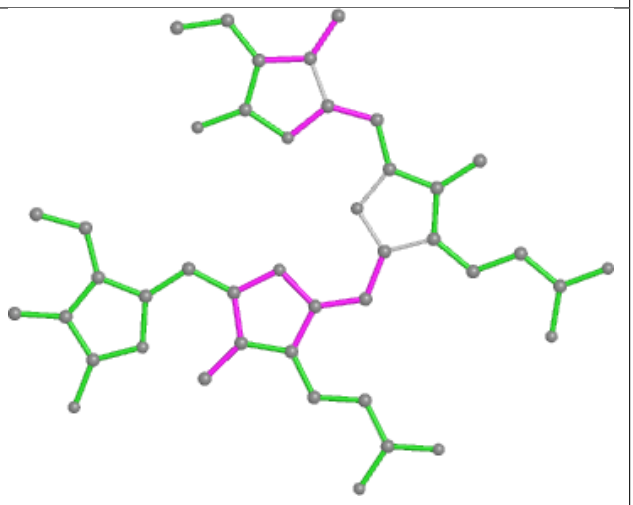

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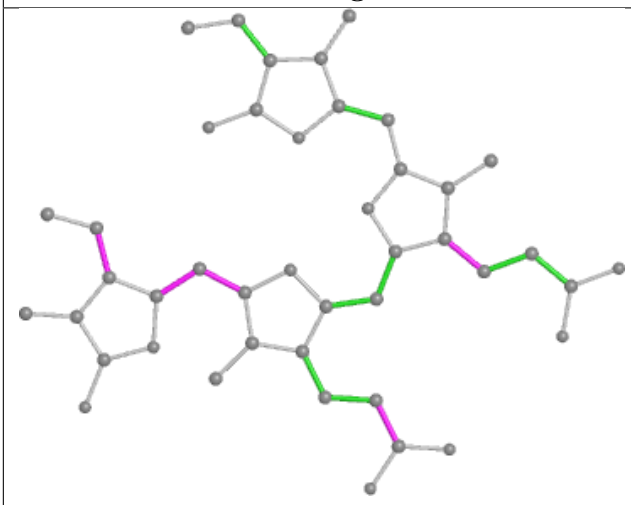

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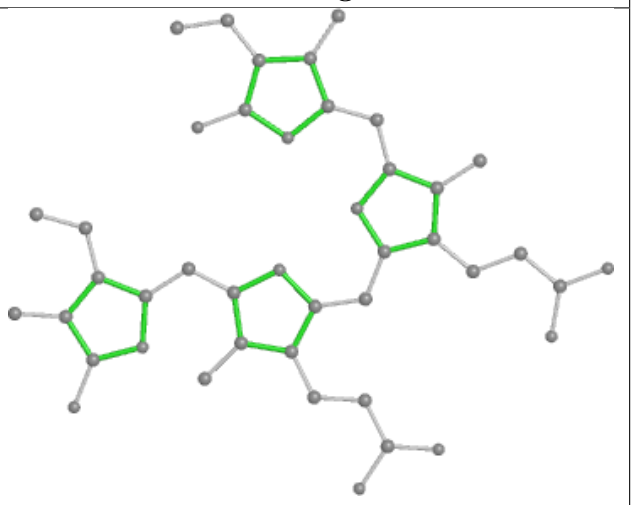

Rings

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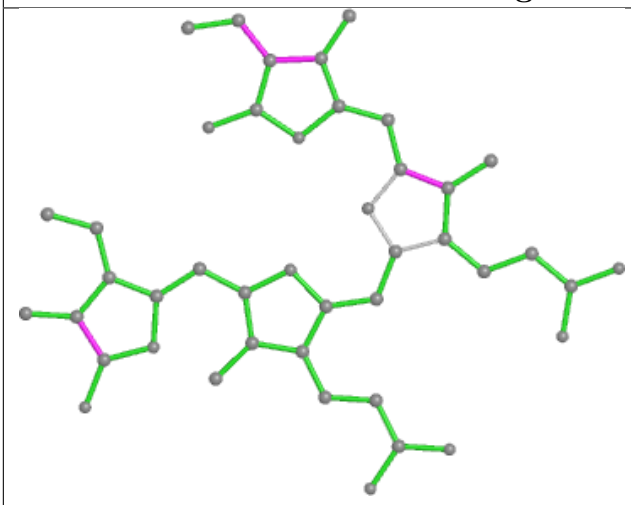

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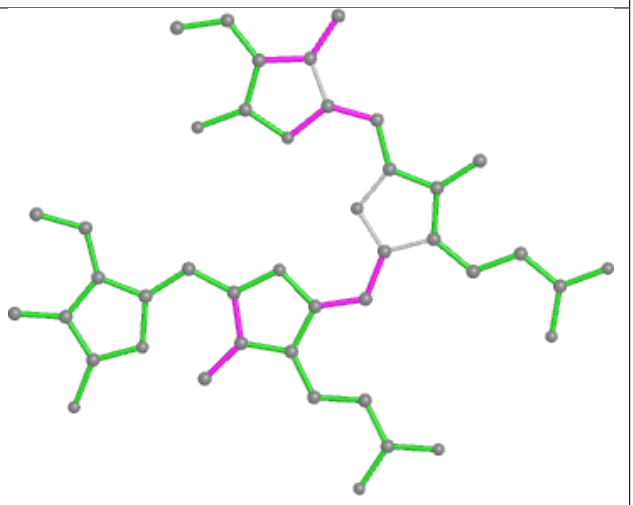

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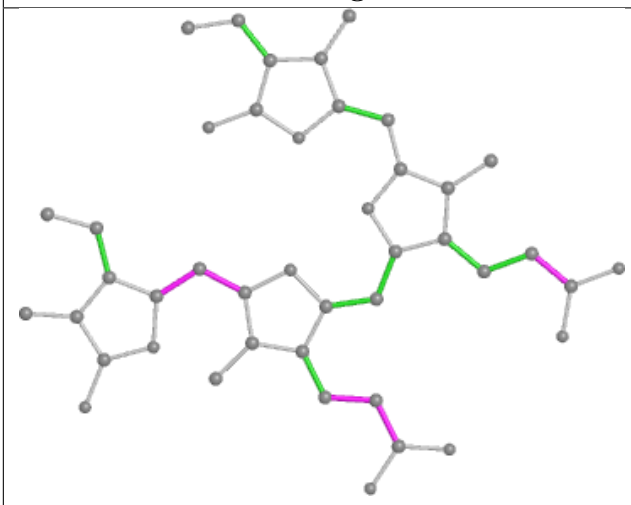

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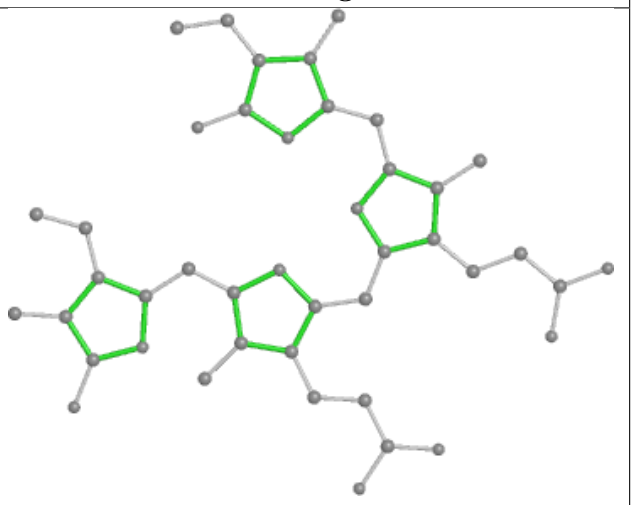
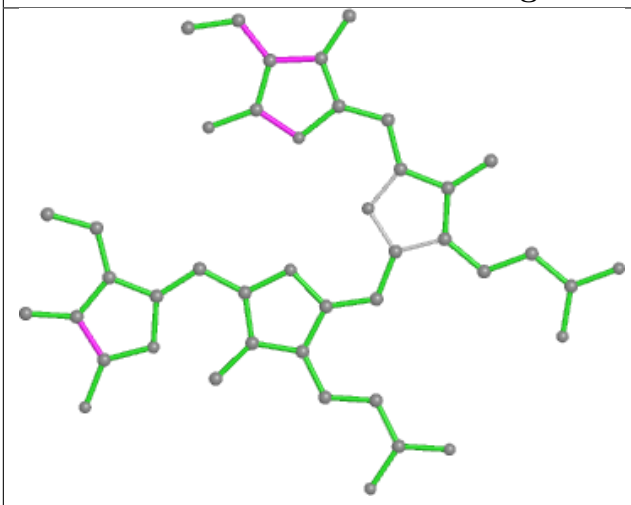


Rings

Ligand PEB a7 201



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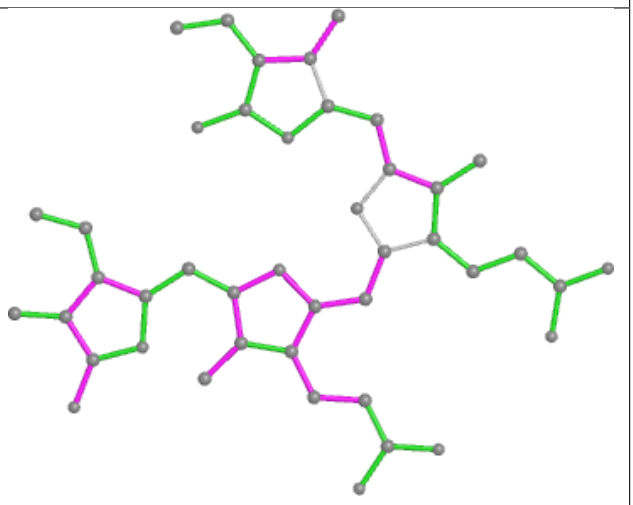

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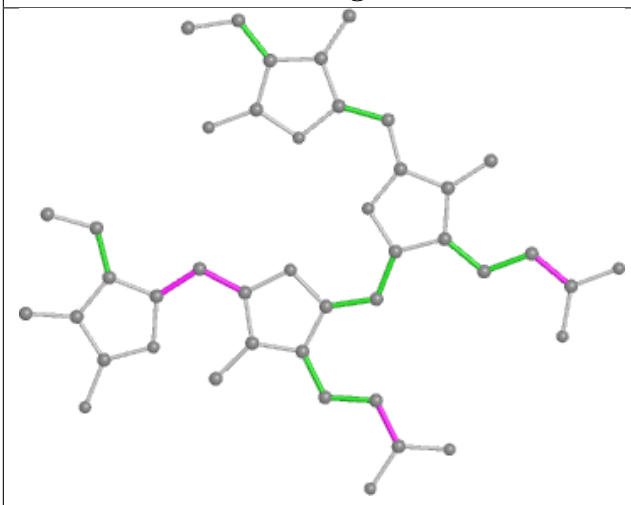

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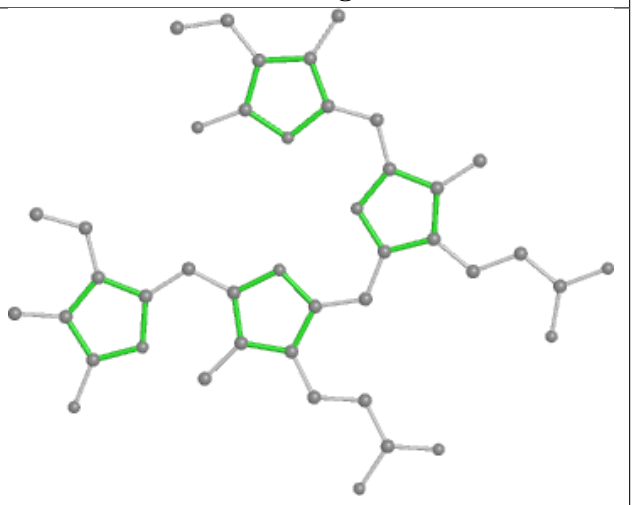

Rings

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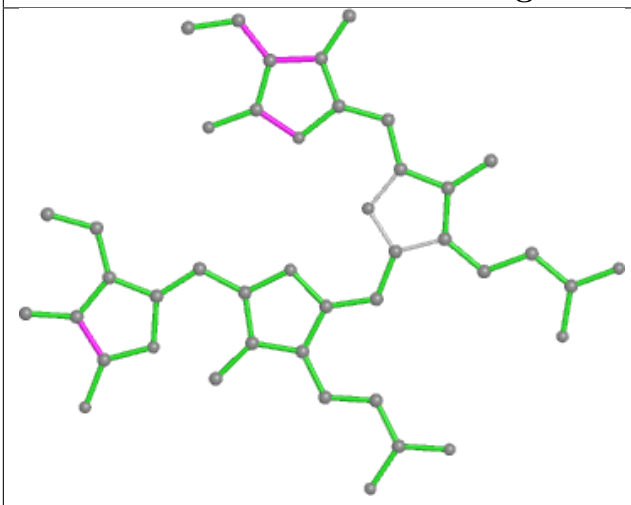

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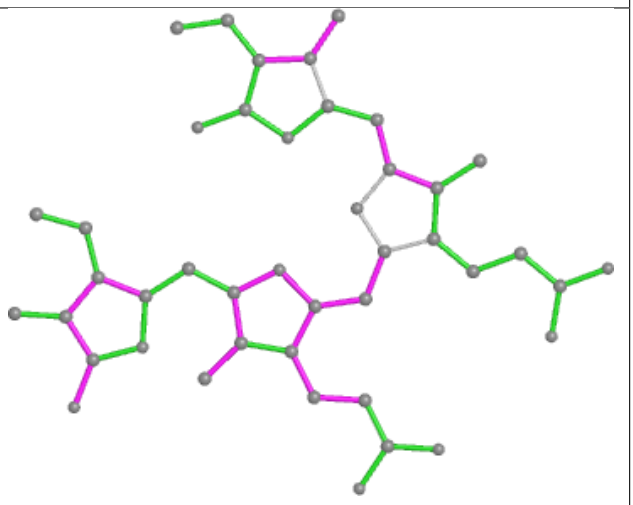

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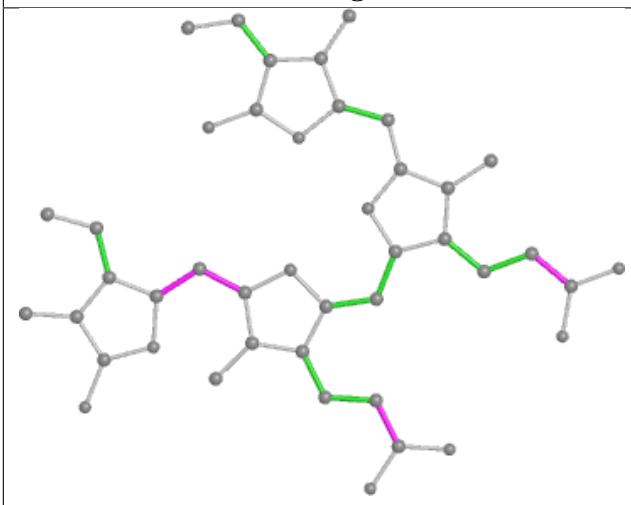

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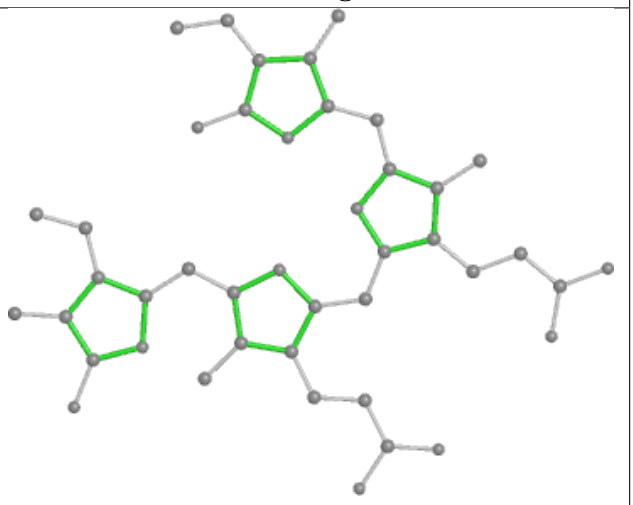
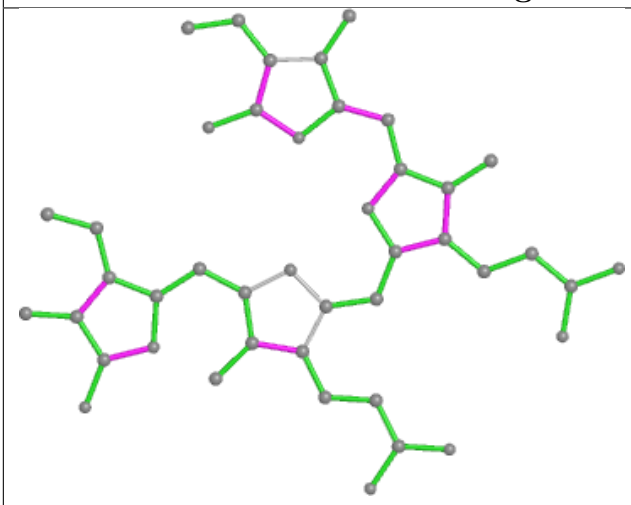


Rings

Ligand PUB bZ 306



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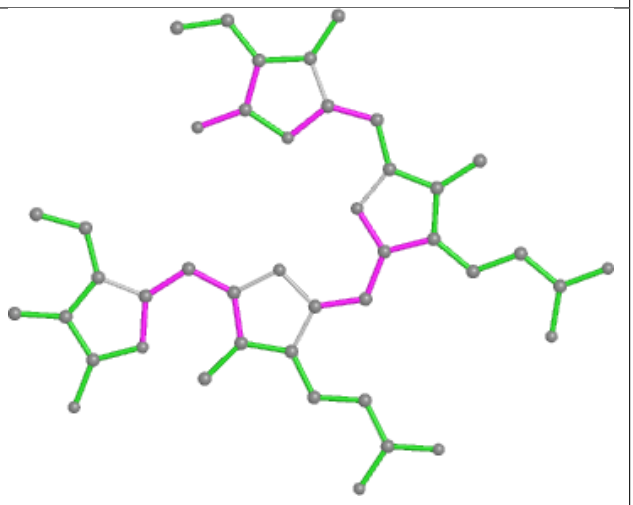
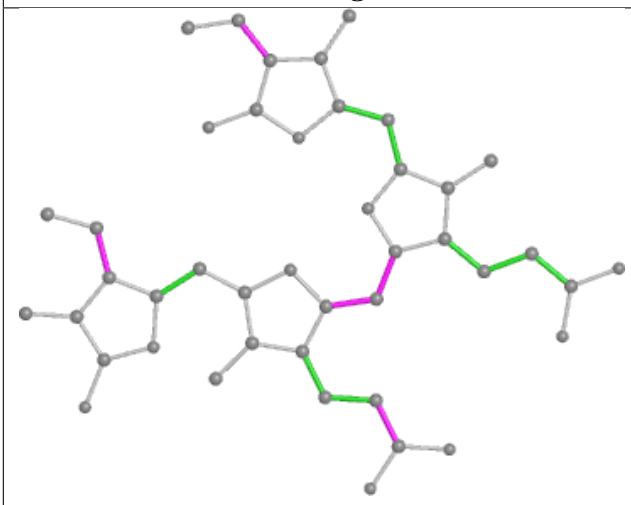


Bond angles



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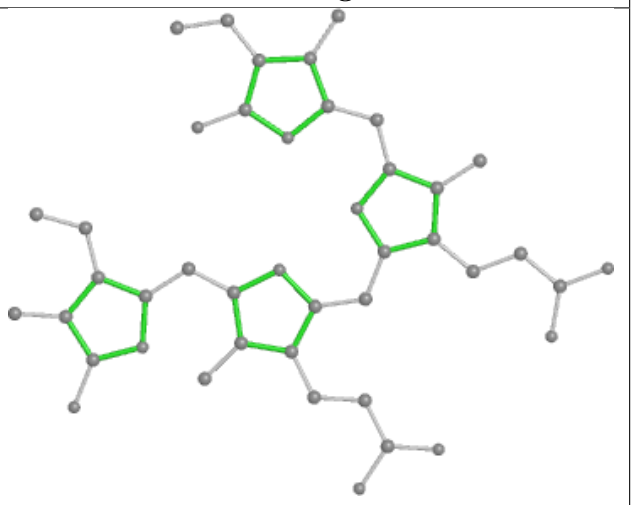

Rings

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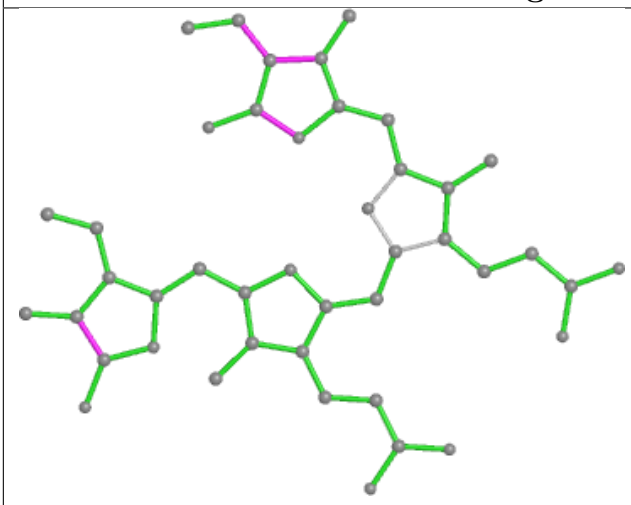

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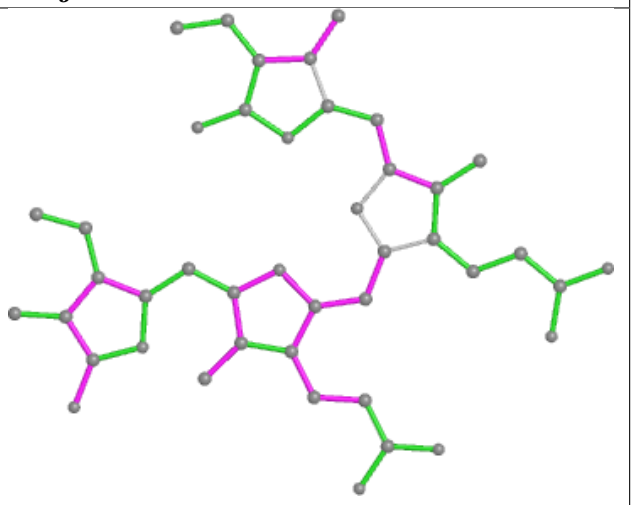

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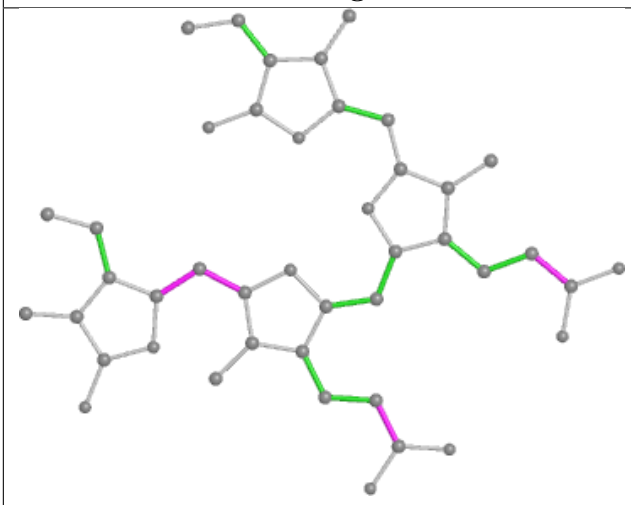

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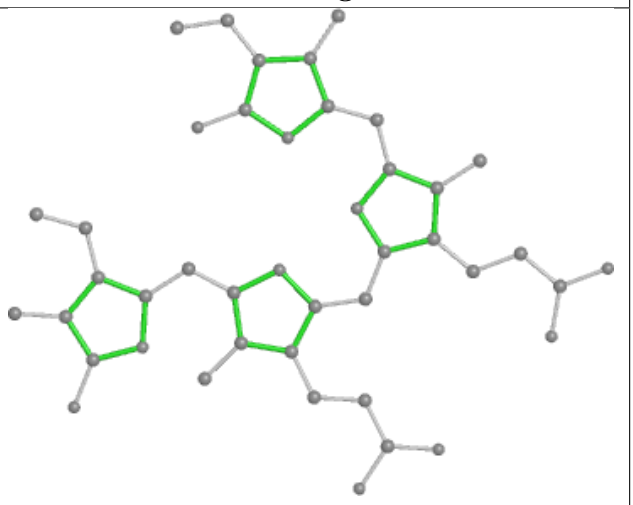
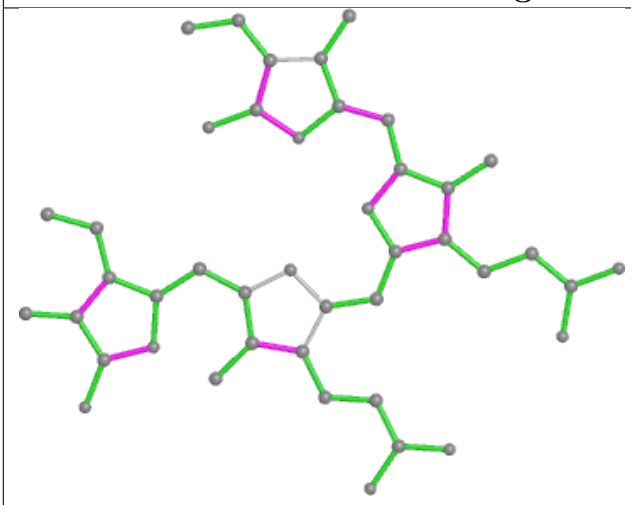


Rings

Ligand PUB T8 305



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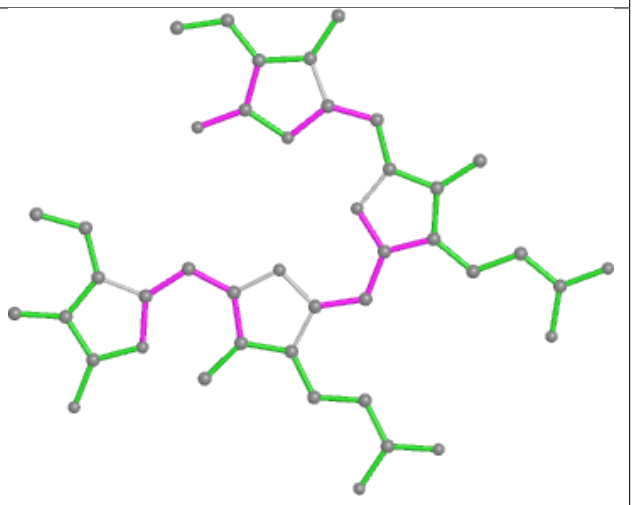

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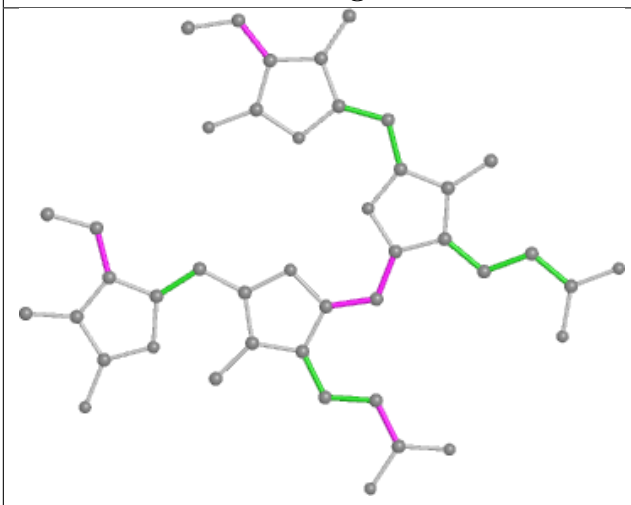
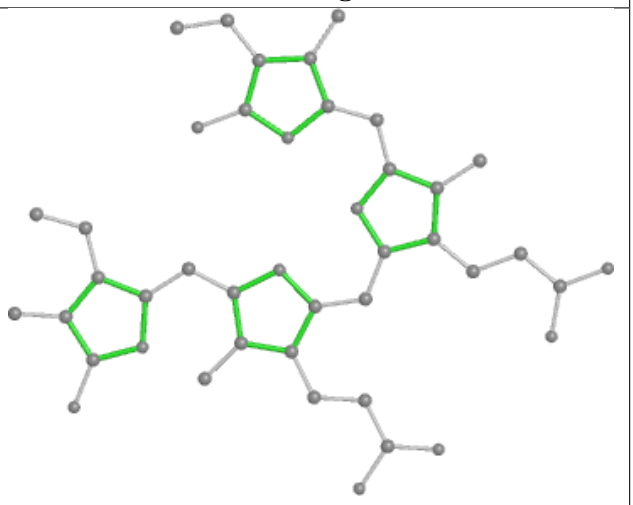
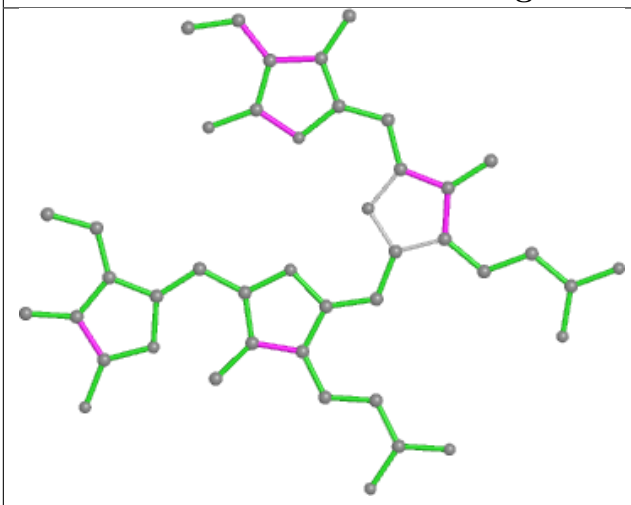


Torsions



Rings

Ligand PEB R3 202



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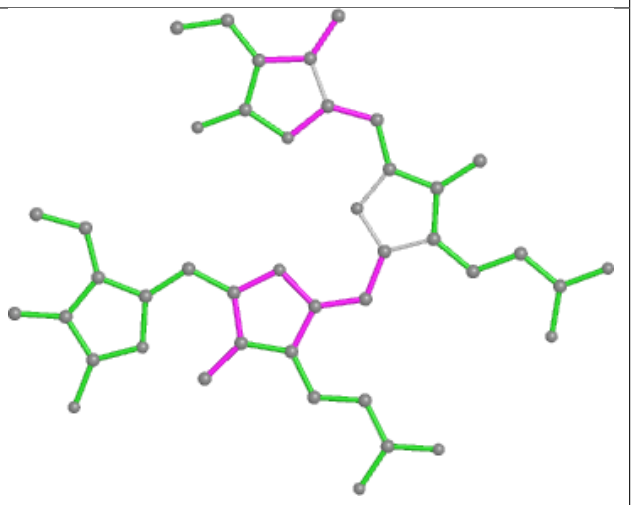

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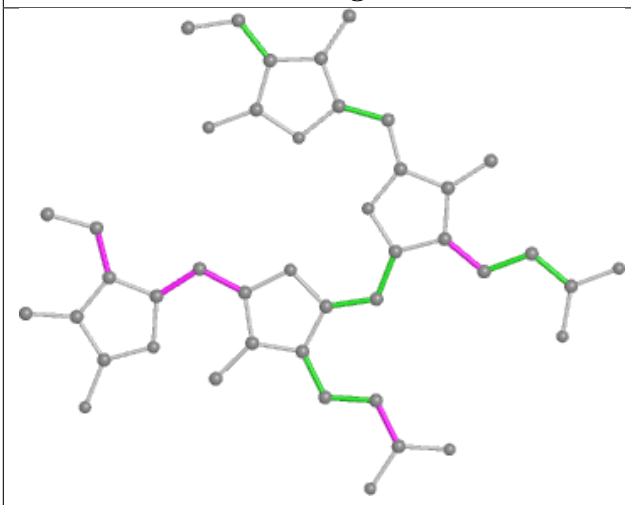

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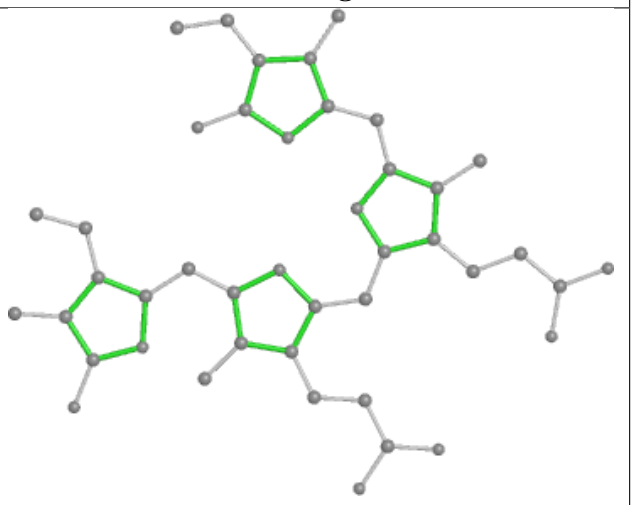
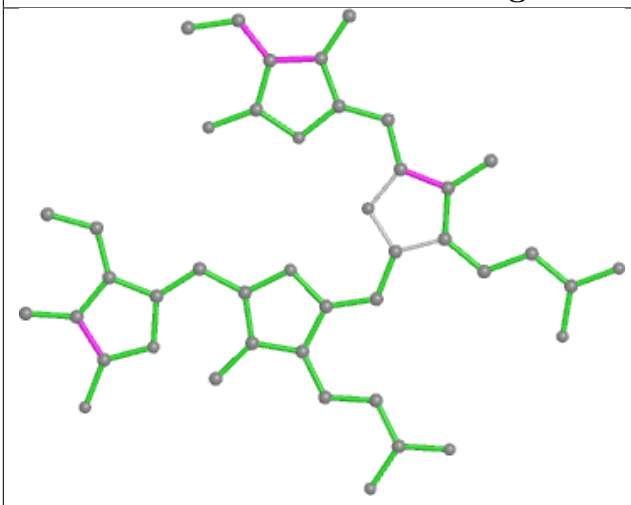


Rings

Ligand PEB Z9 1002



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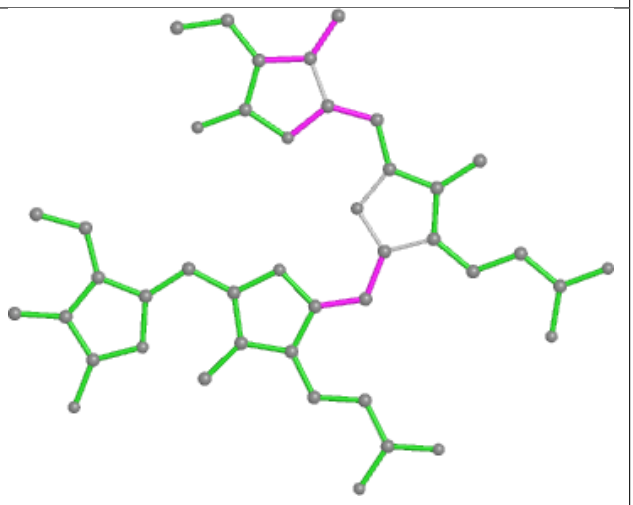

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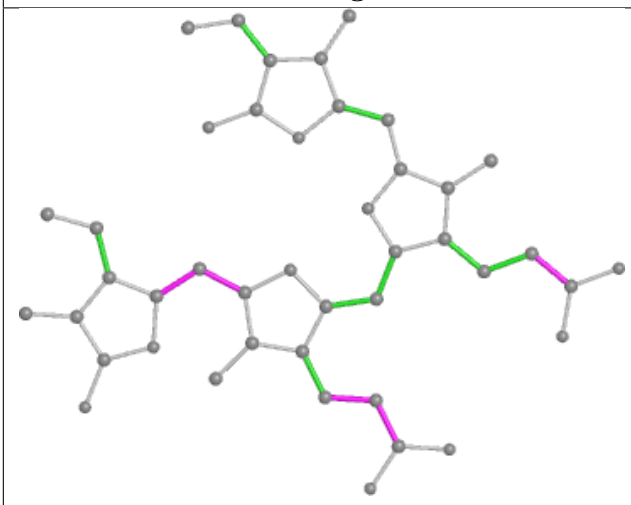

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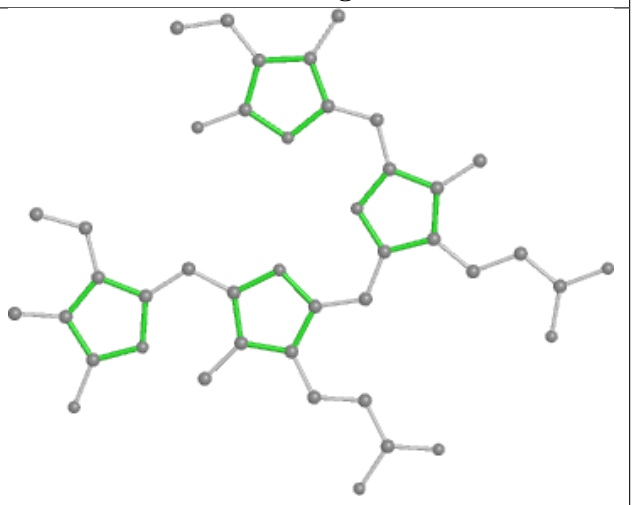

Rings

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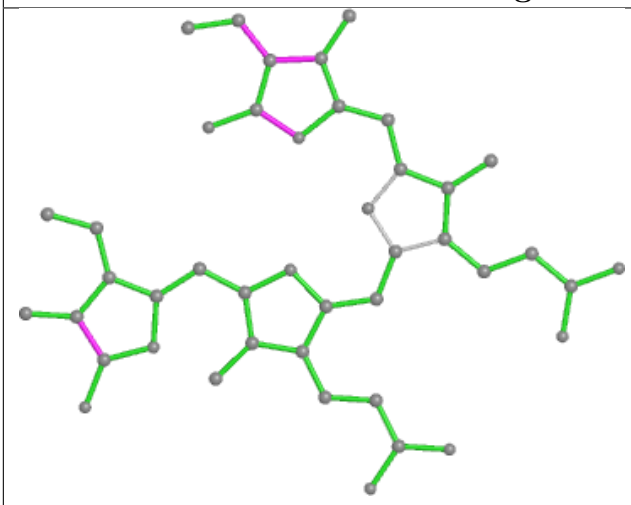

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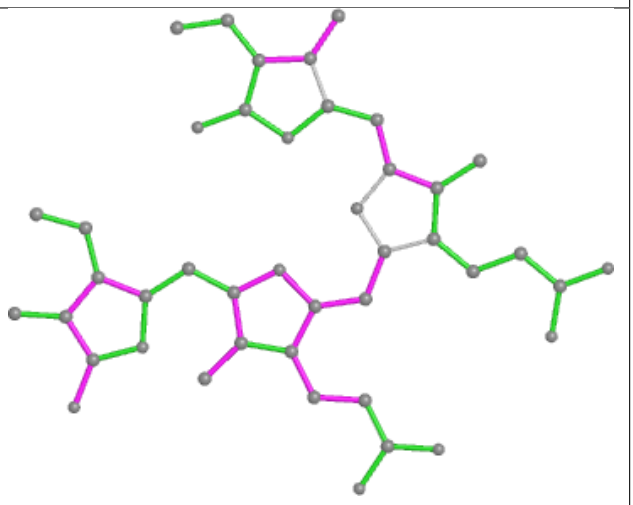

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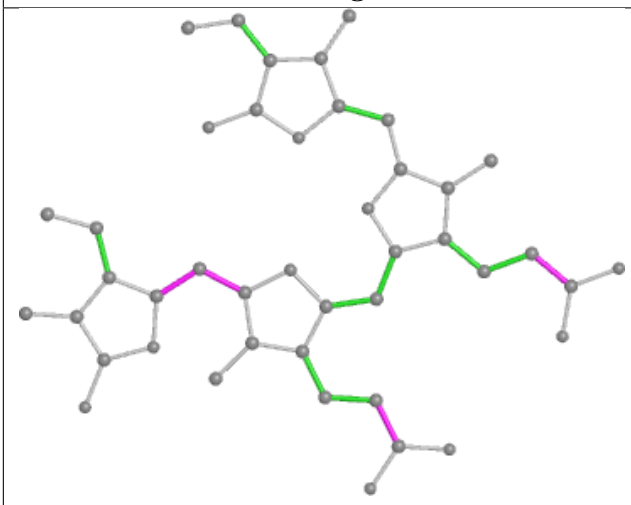

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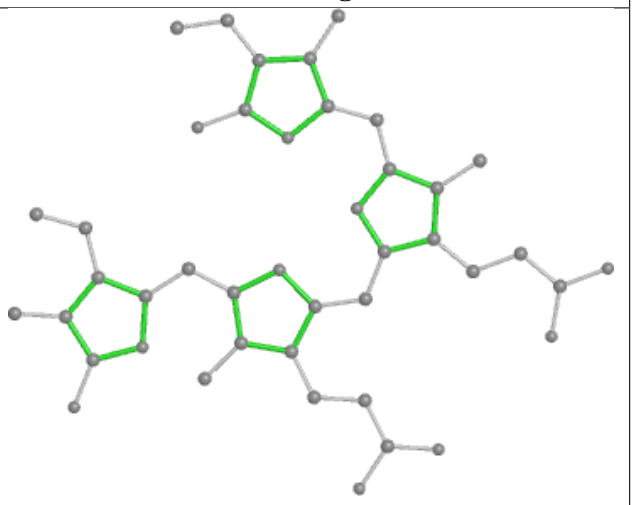

Rings

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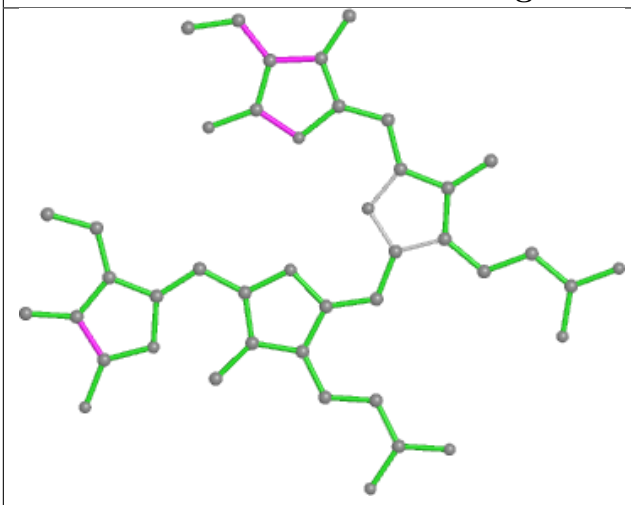

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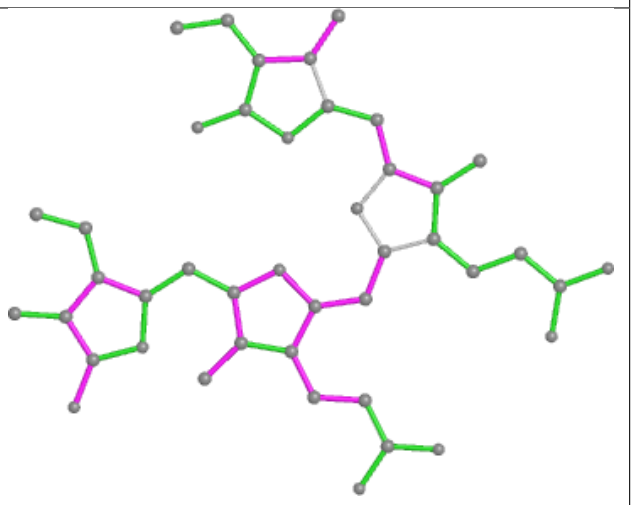

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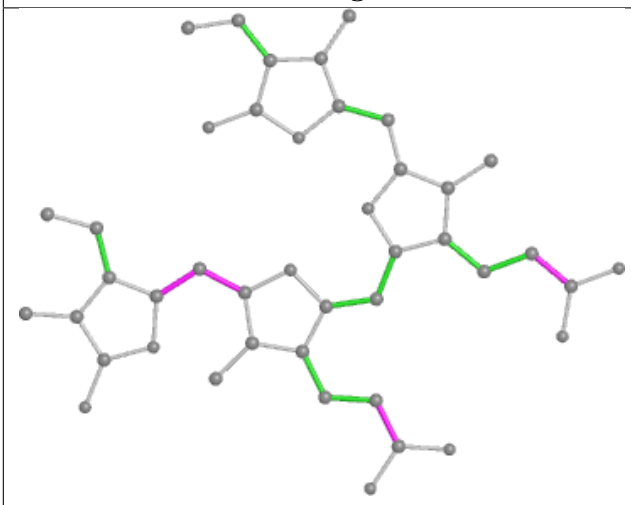

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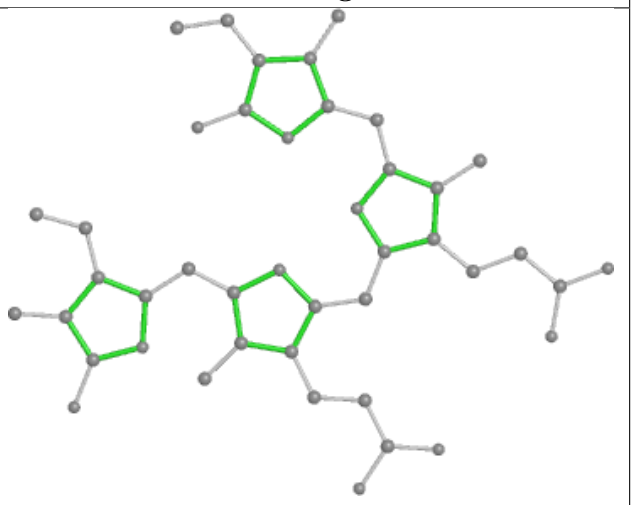

Rings

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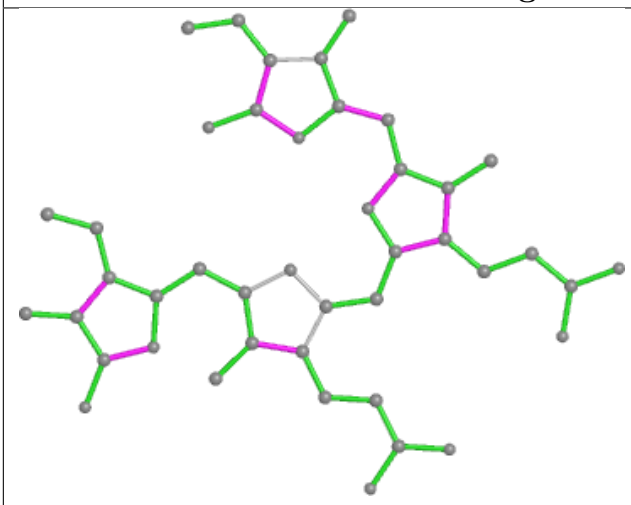

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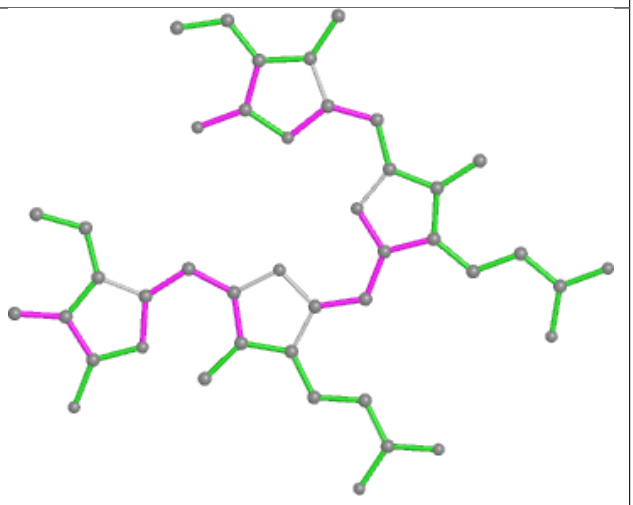

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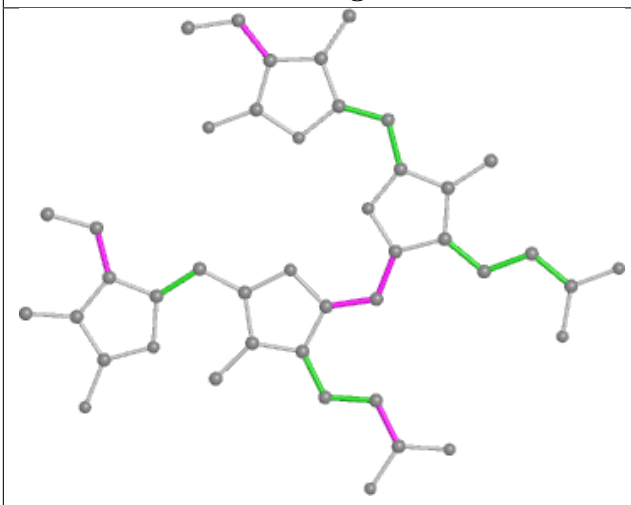

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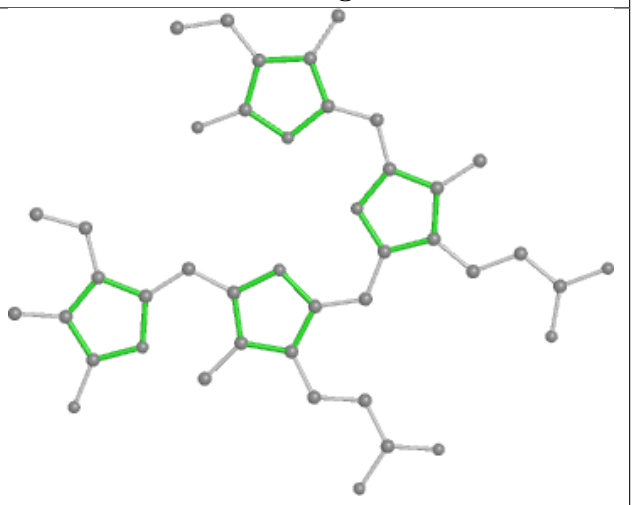

Rings

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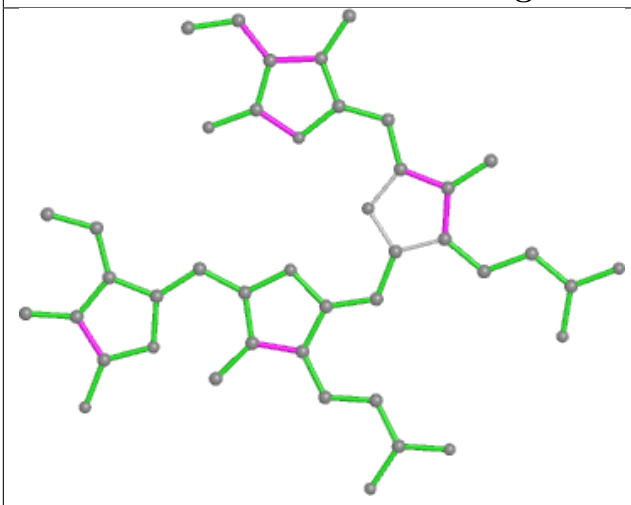

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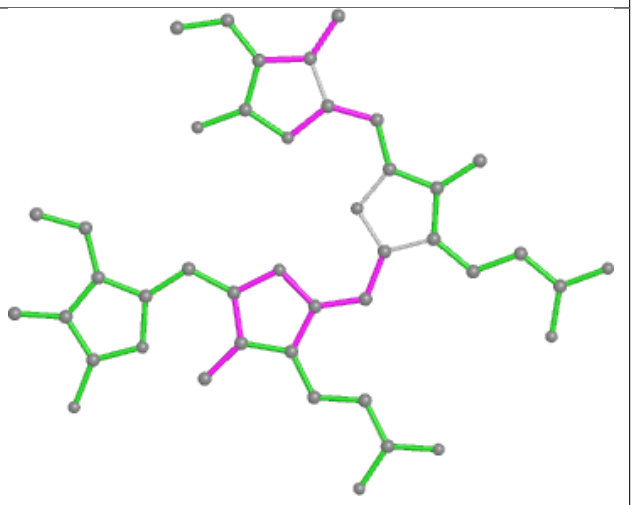

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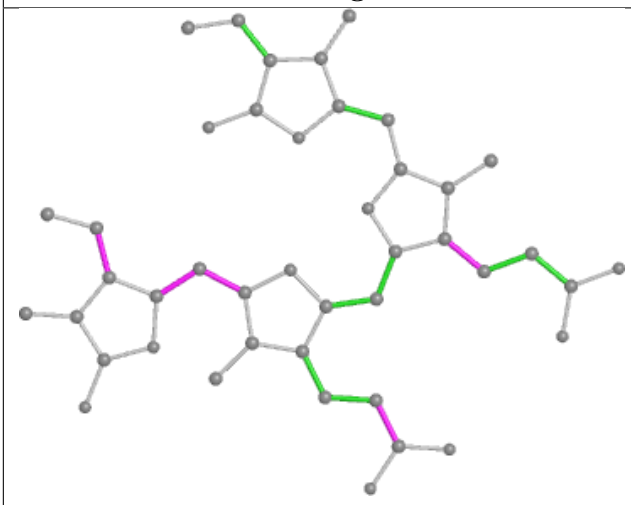

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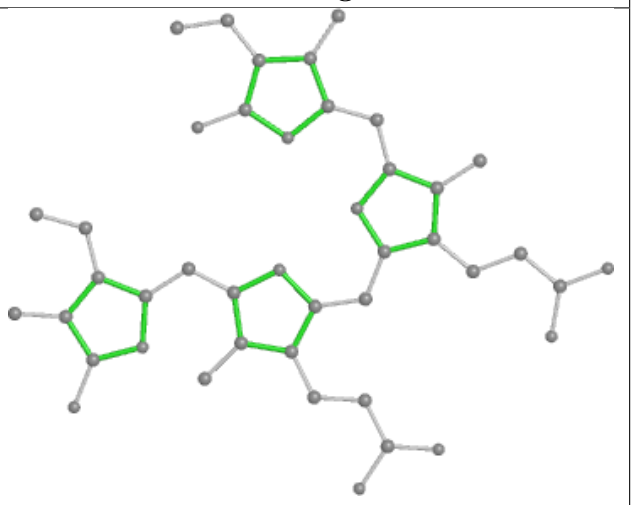

Rings

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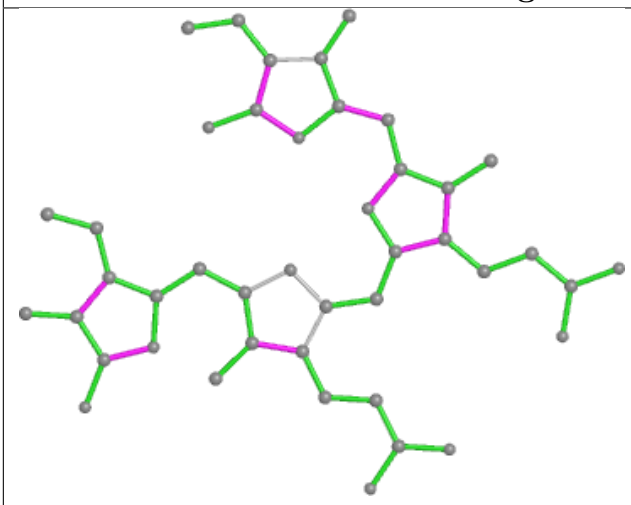

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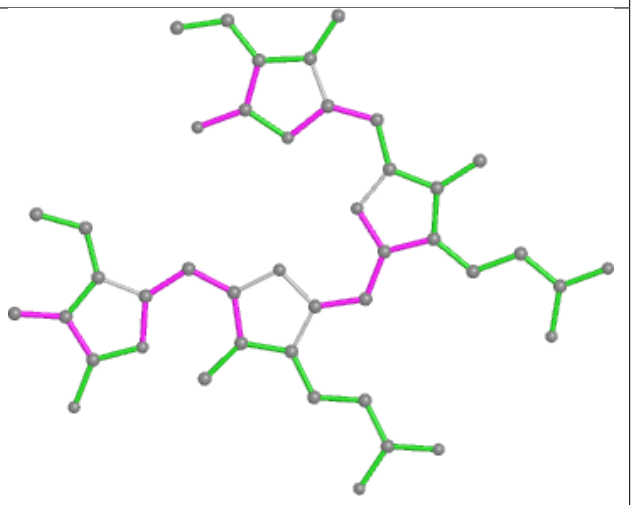

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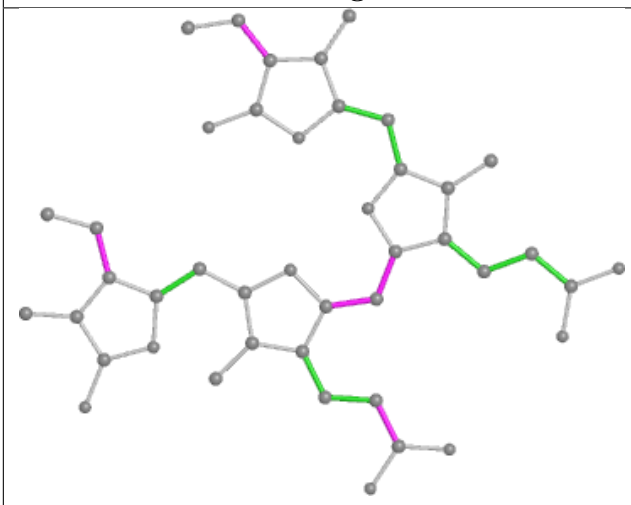

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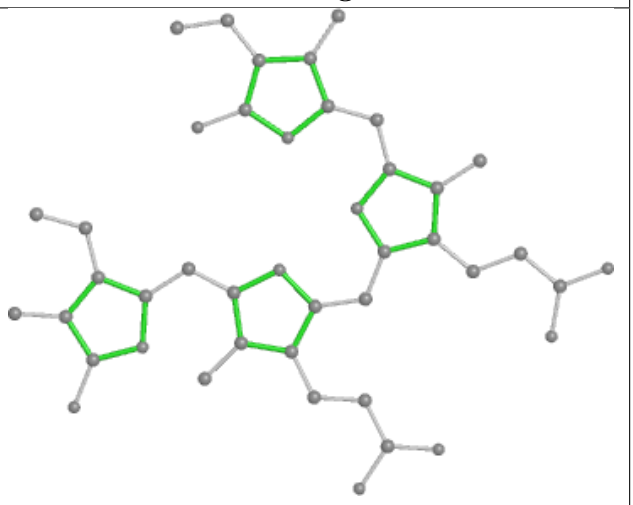

Rings

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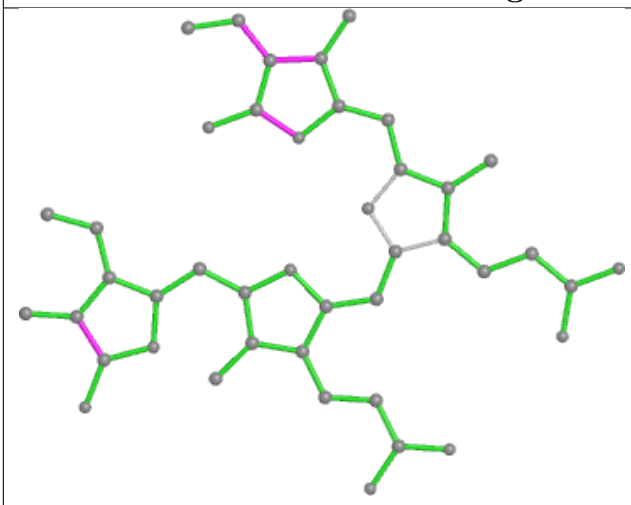

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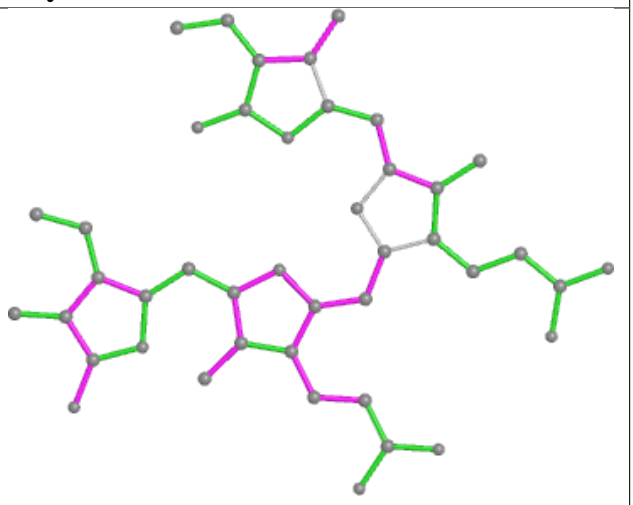

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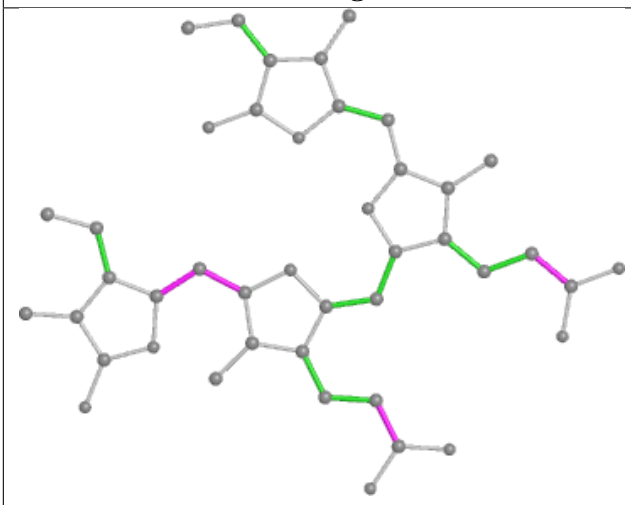

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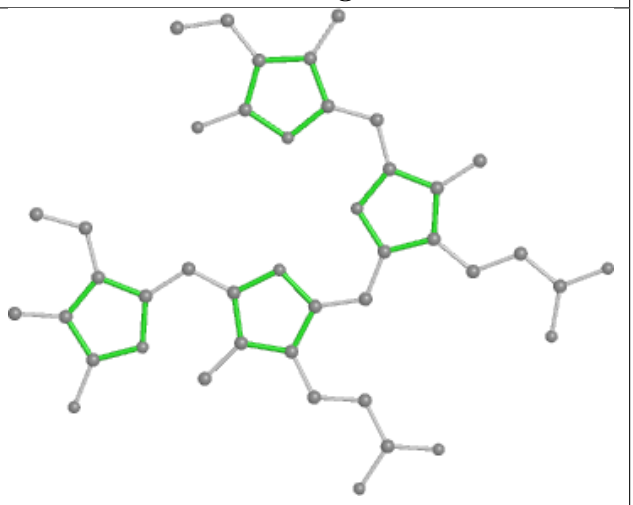

Rings

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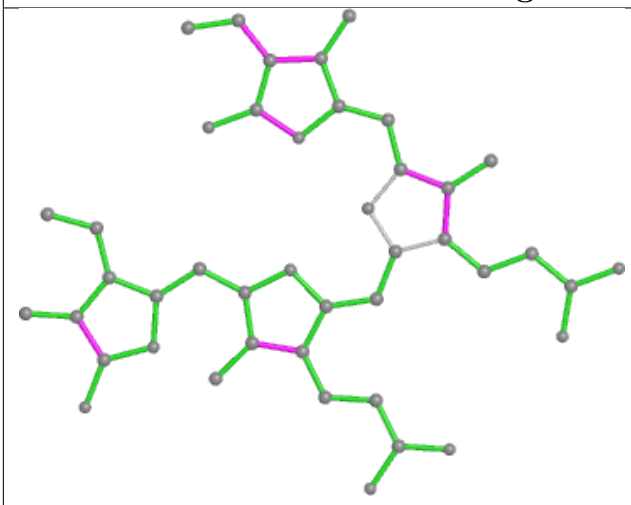

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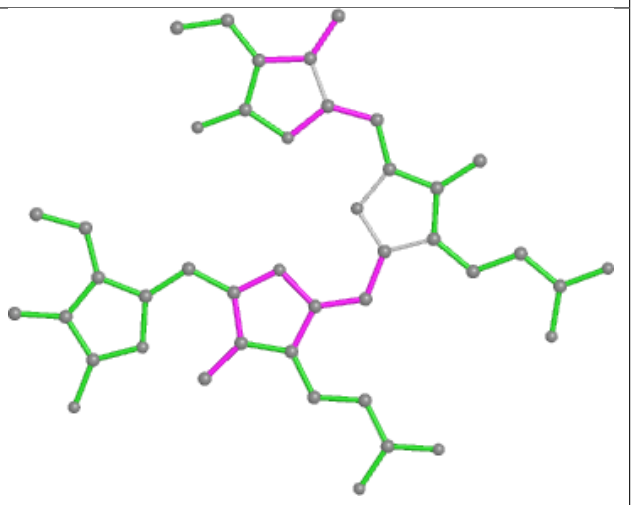

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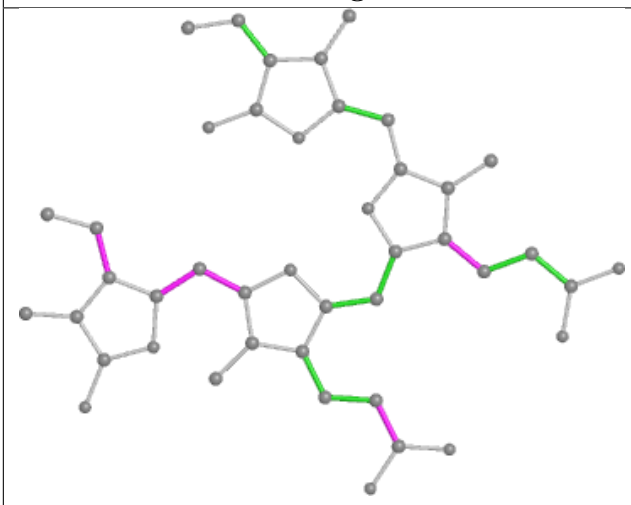

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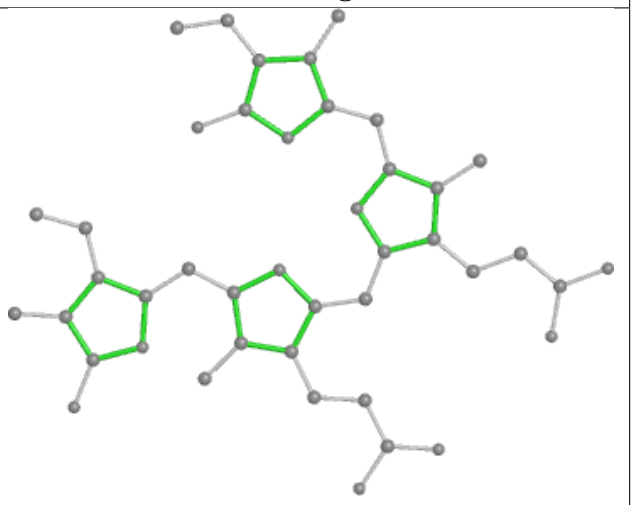

Rings

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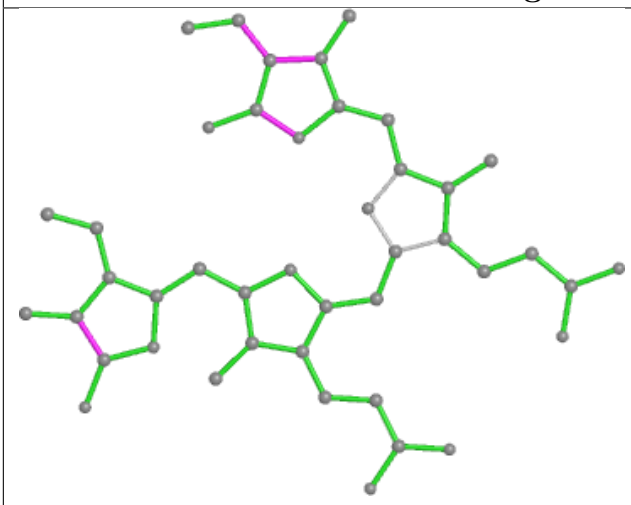

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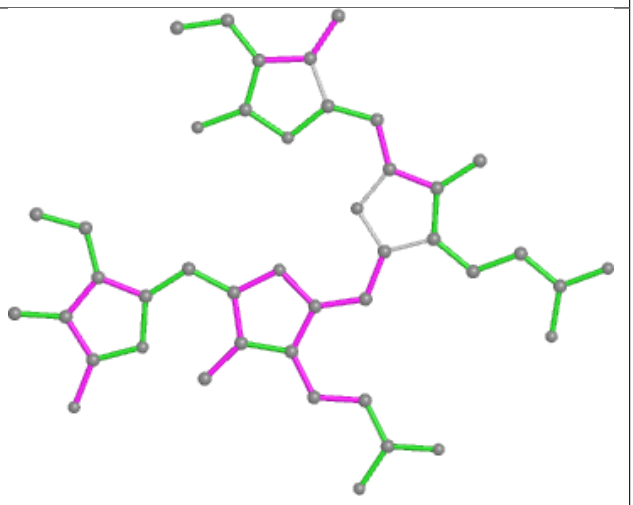

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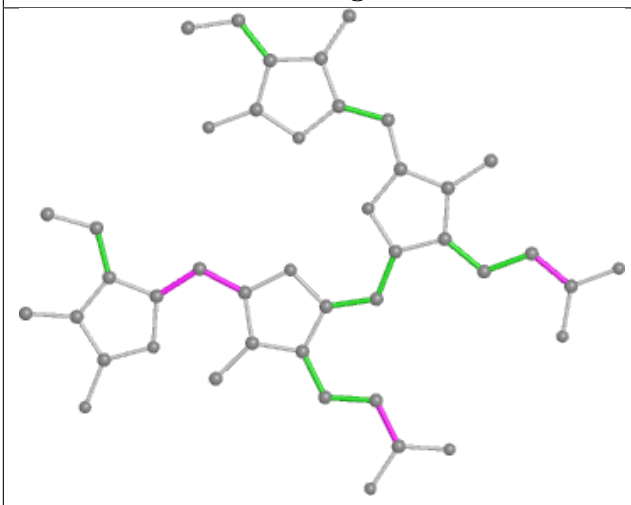

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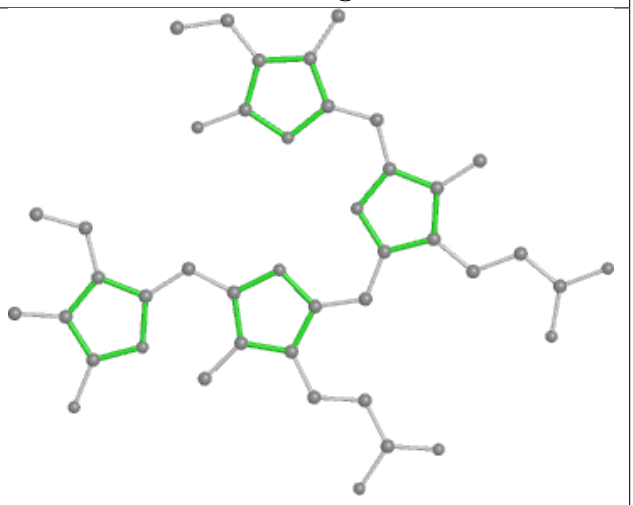

Rings

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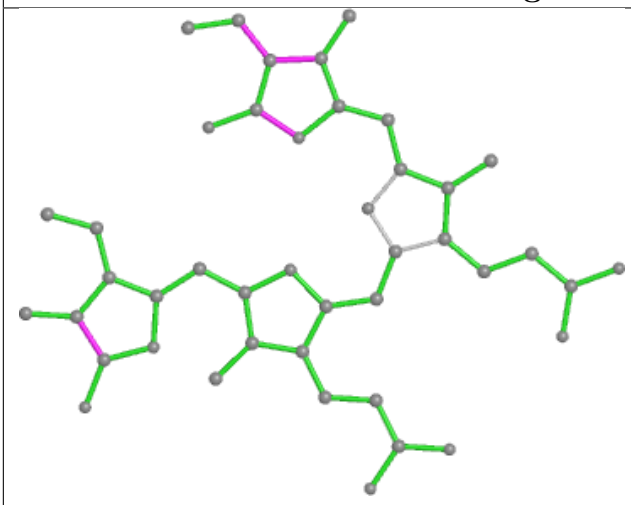

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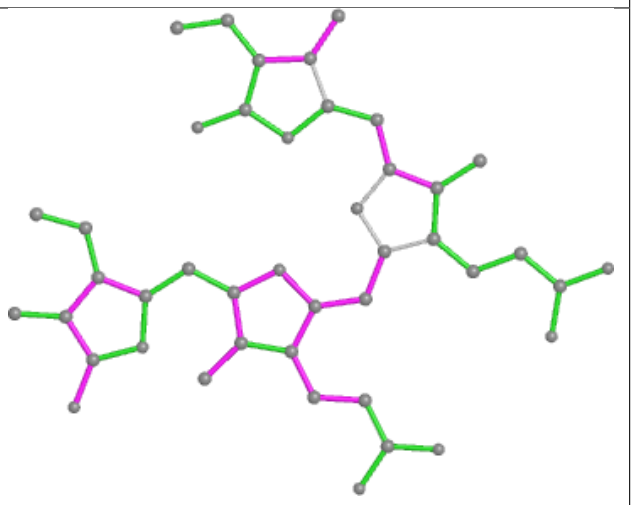

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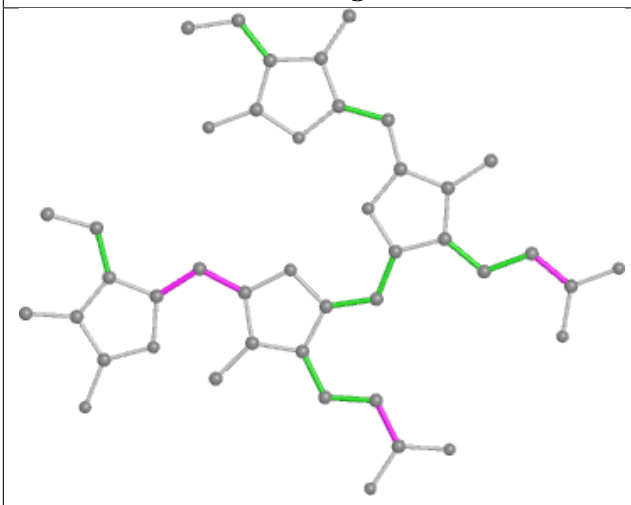

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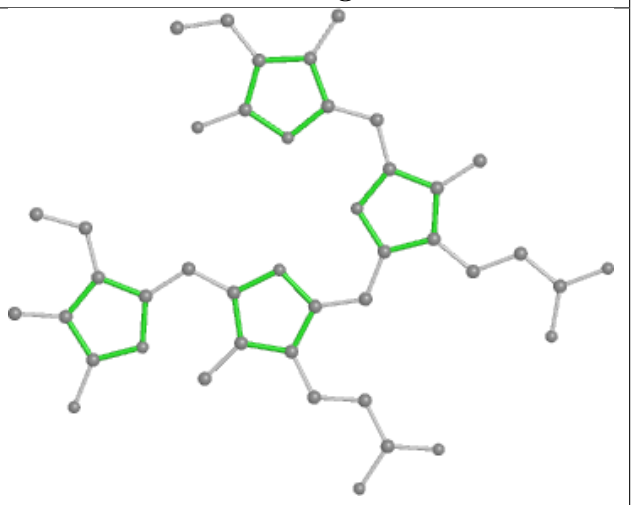
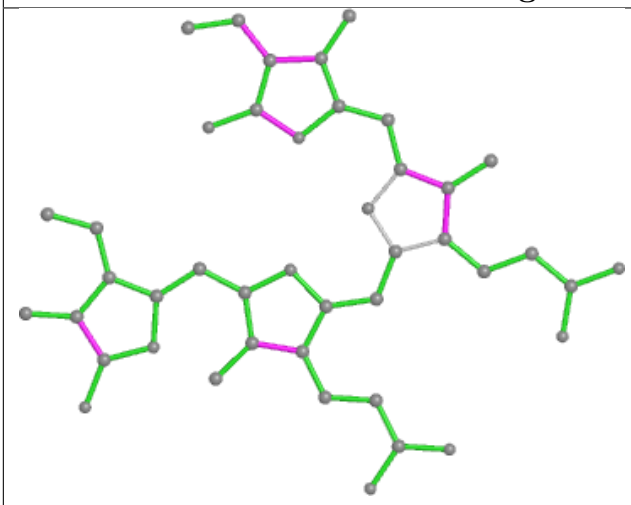


Rings

Ligand PEB n5 202



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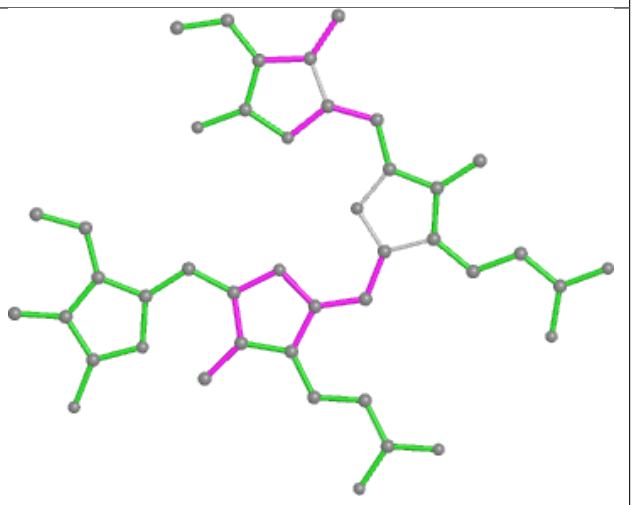

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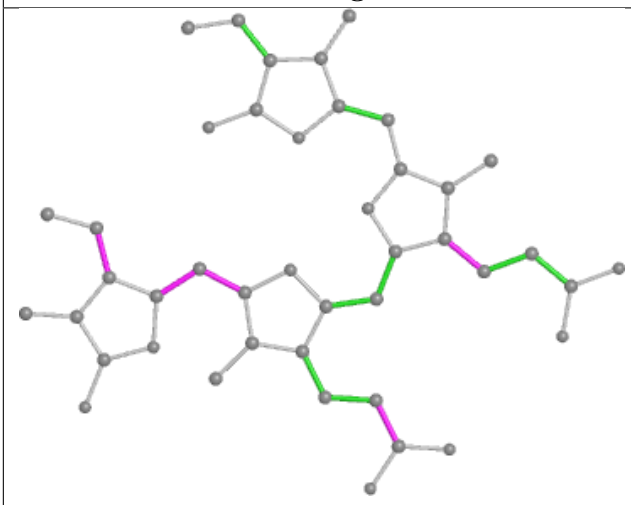

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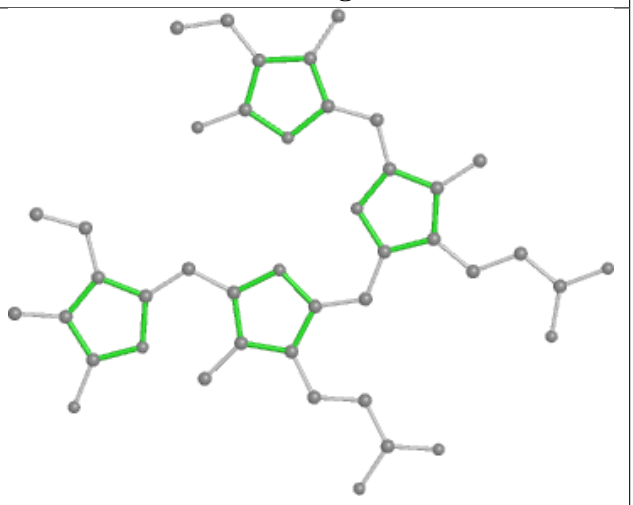
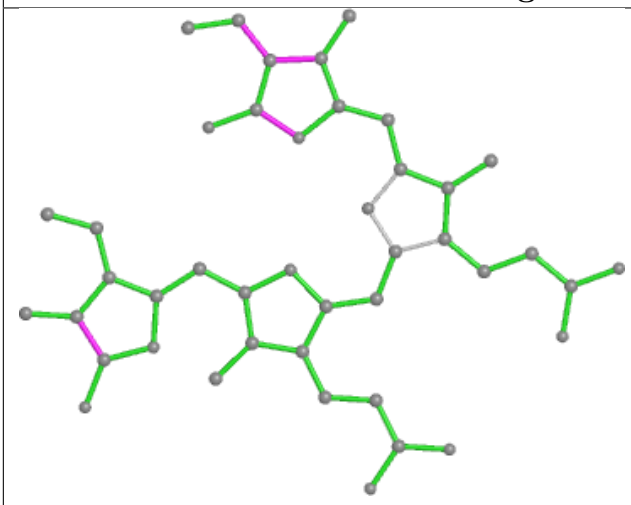


Rings

Ligand PEB Z5 301



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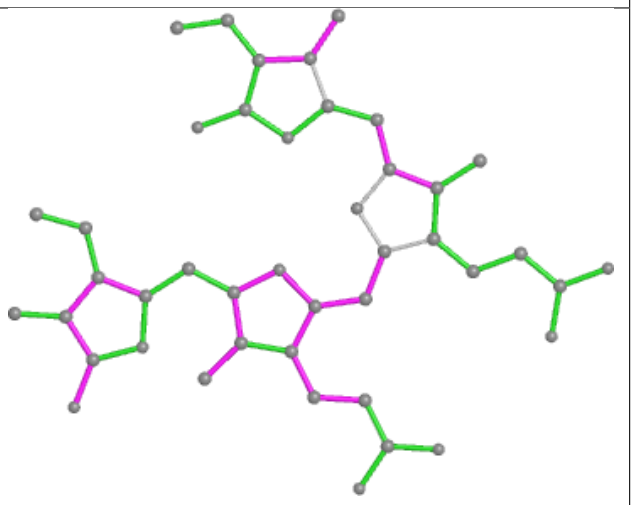
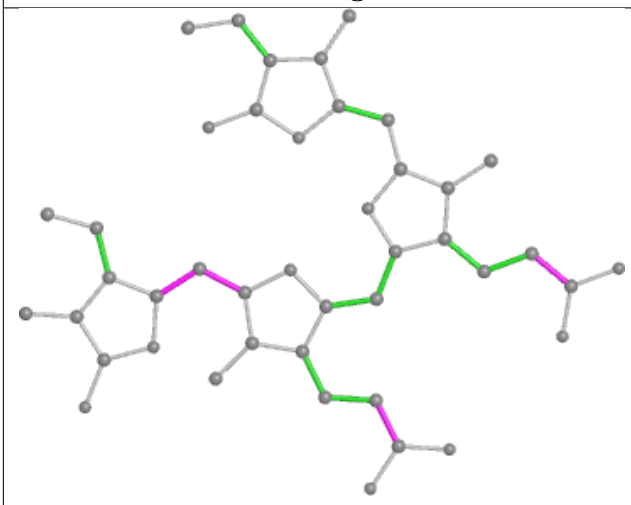
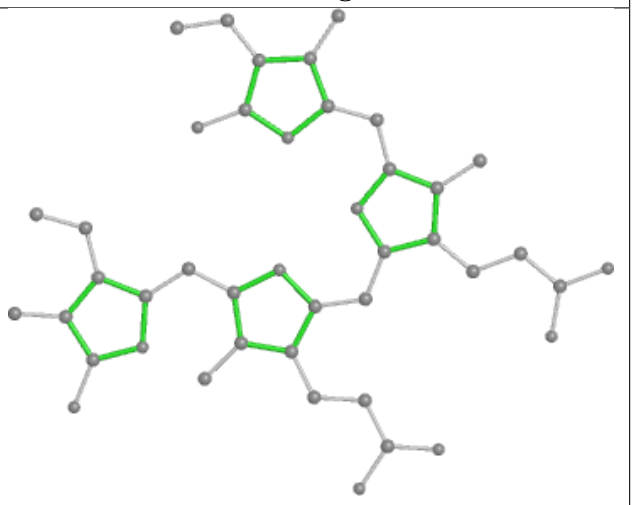


Bond angles

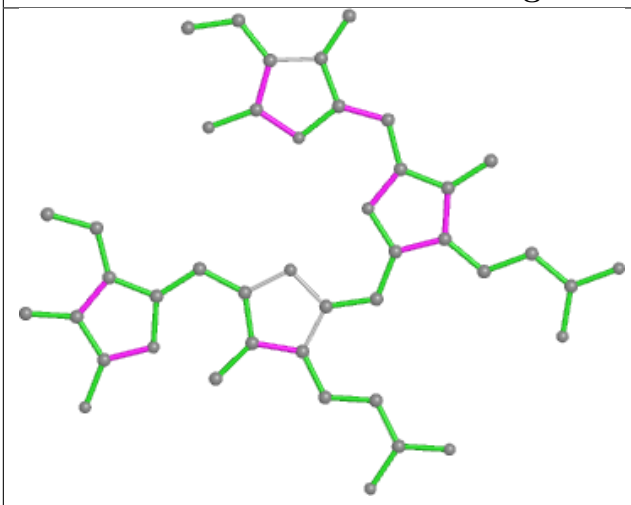


Torsions



Rings

Ligand PUB lr 203



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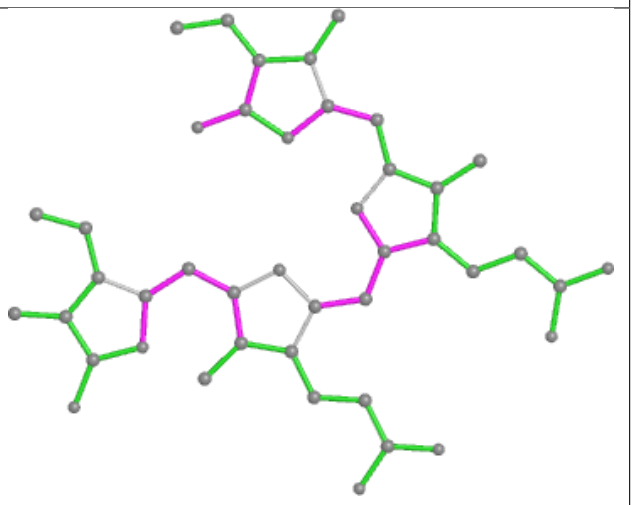

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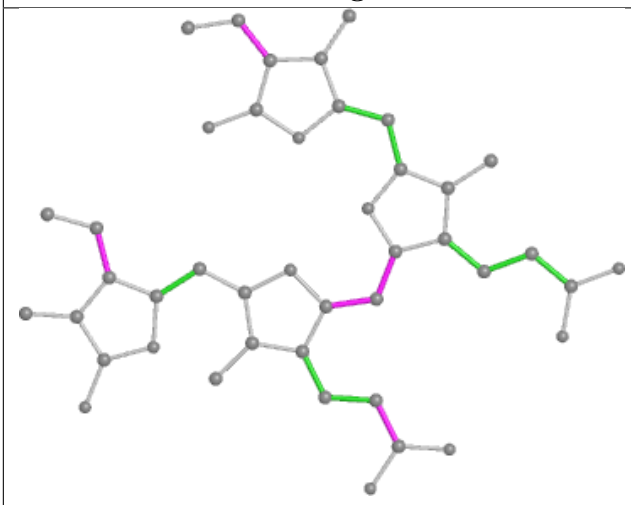

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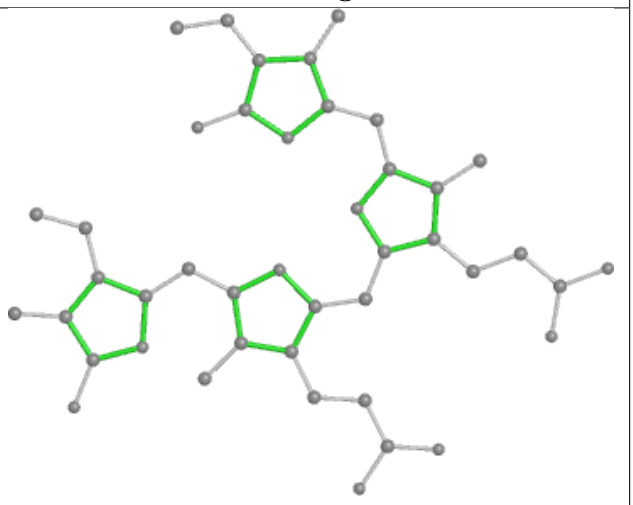
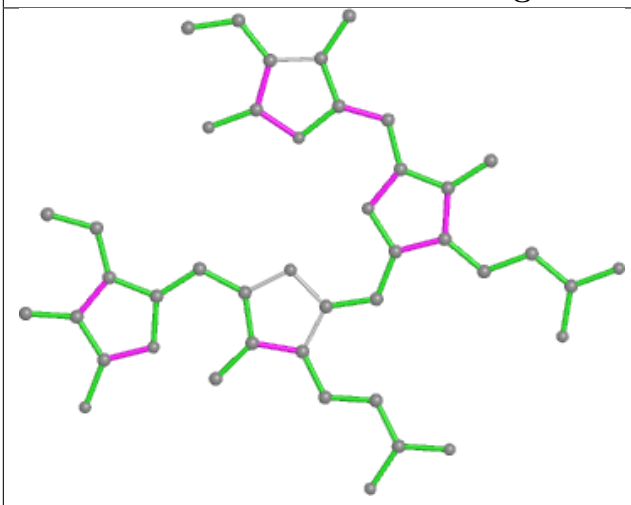


Rings

Ligand PUB hV 203



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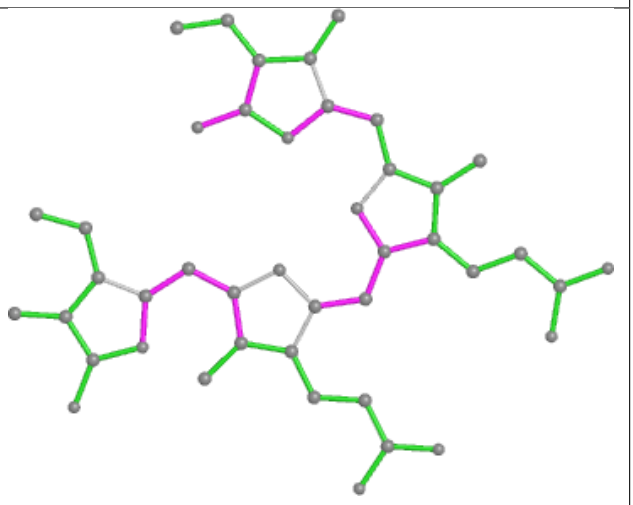

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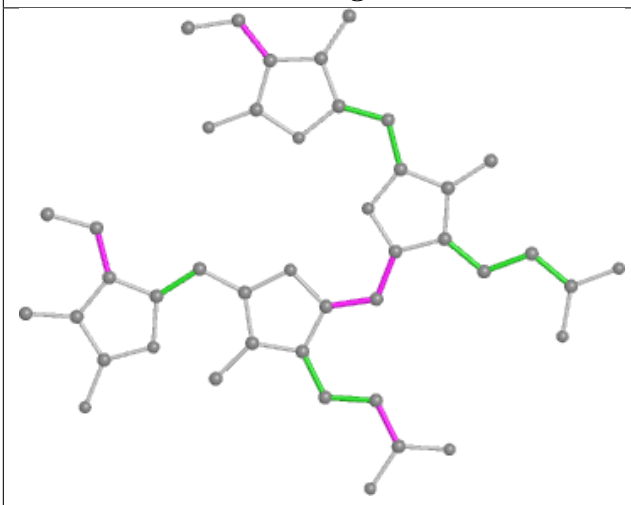

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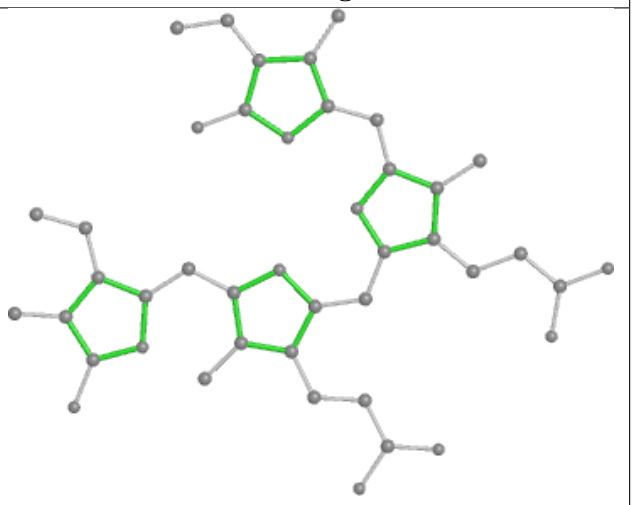
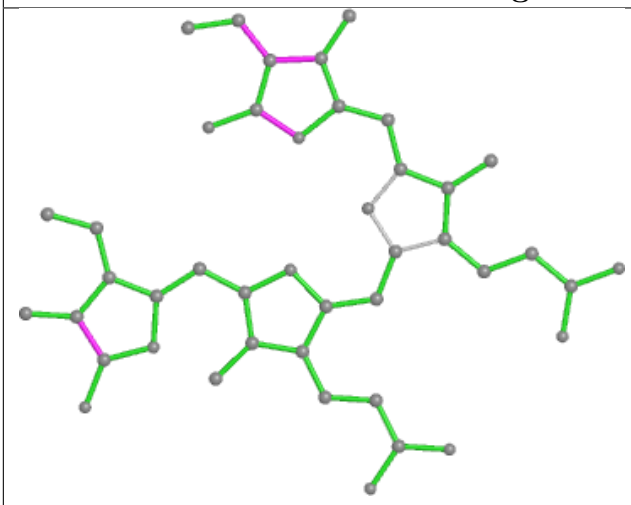


Rings

Ligand PEB M2 201



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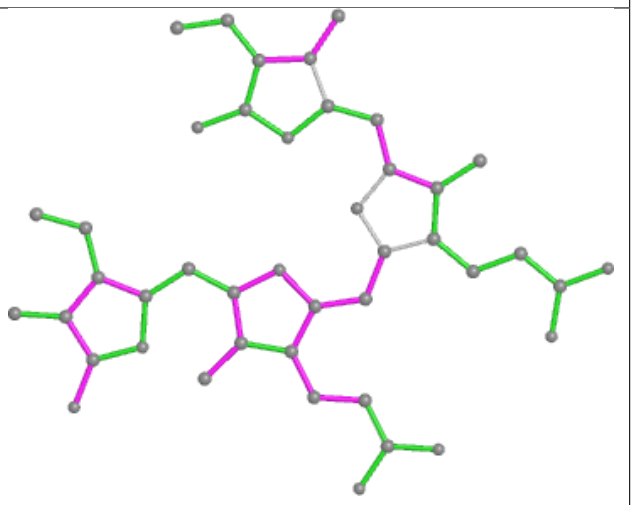

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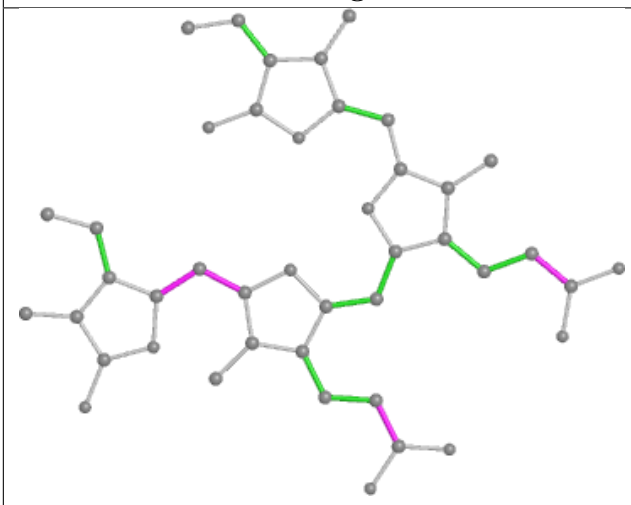

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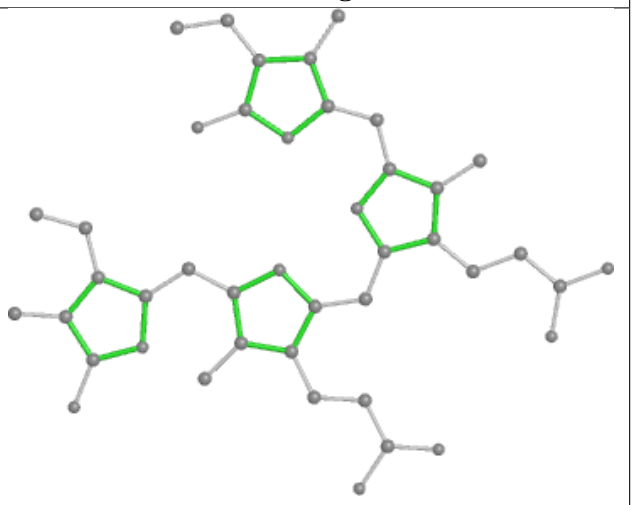
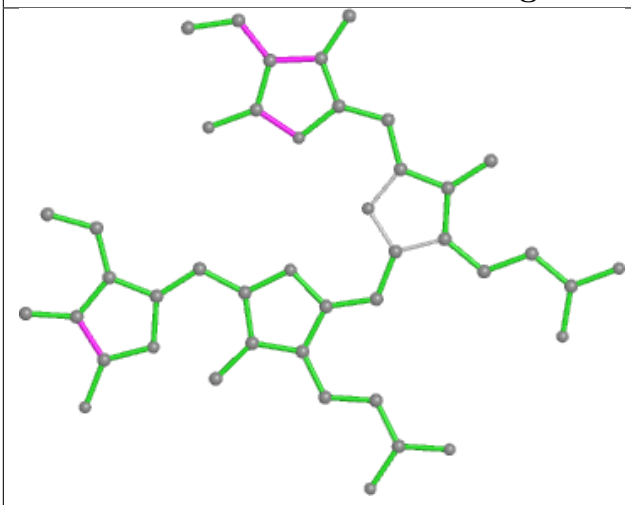


Rings

Ligand PEB o6 201



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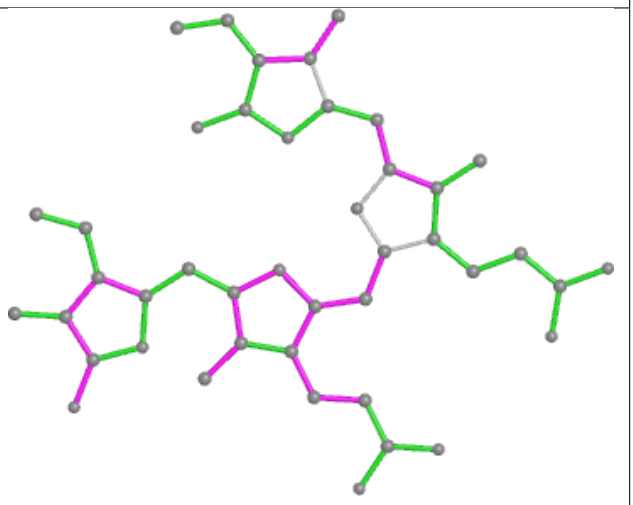

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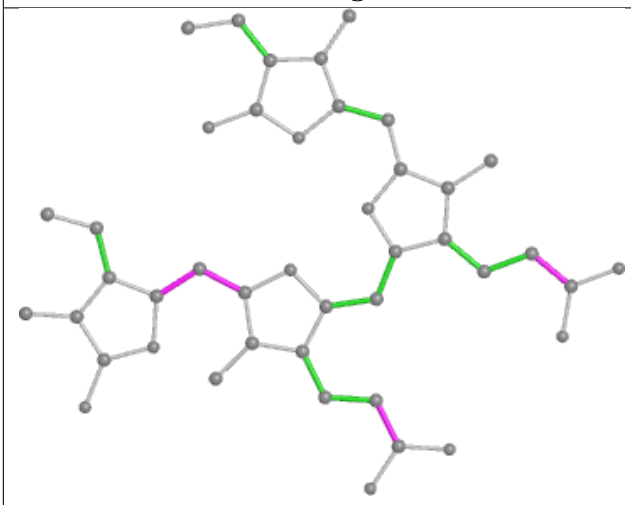

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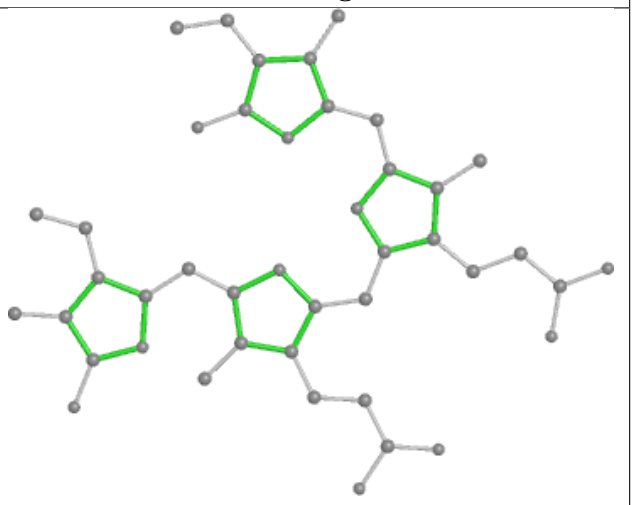

Rings

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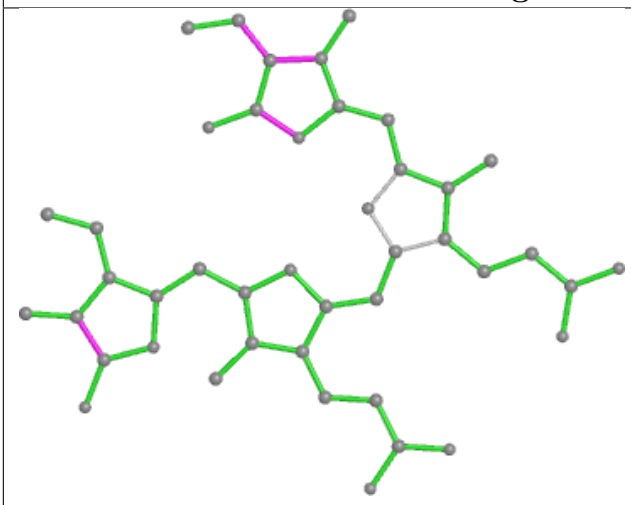

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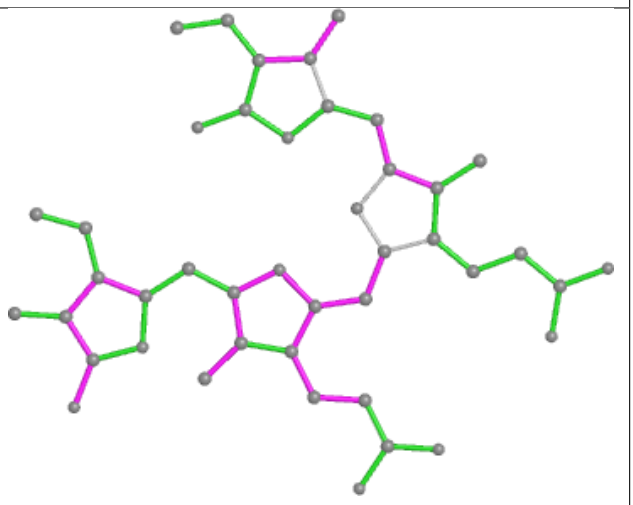

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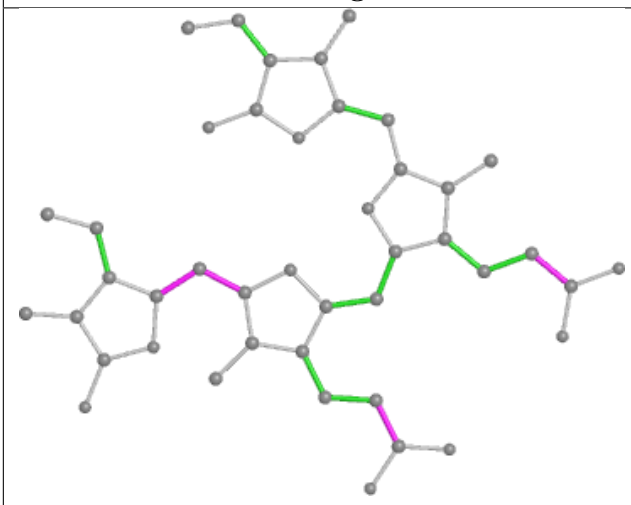

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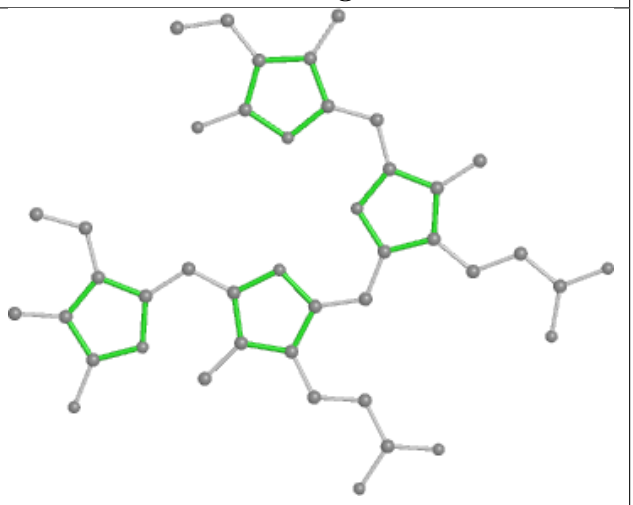

Rings

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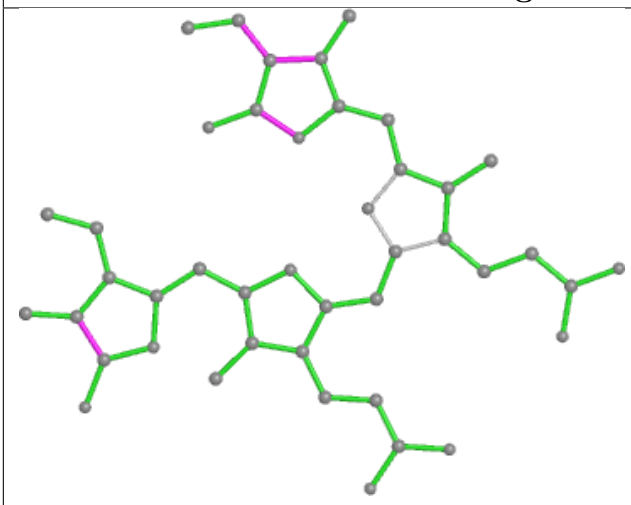

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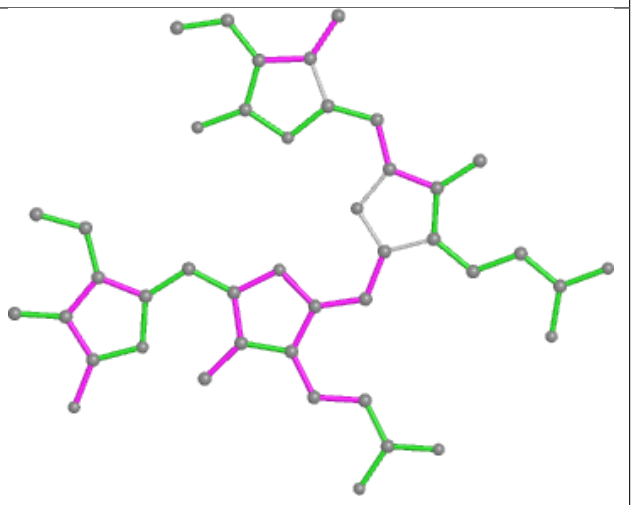

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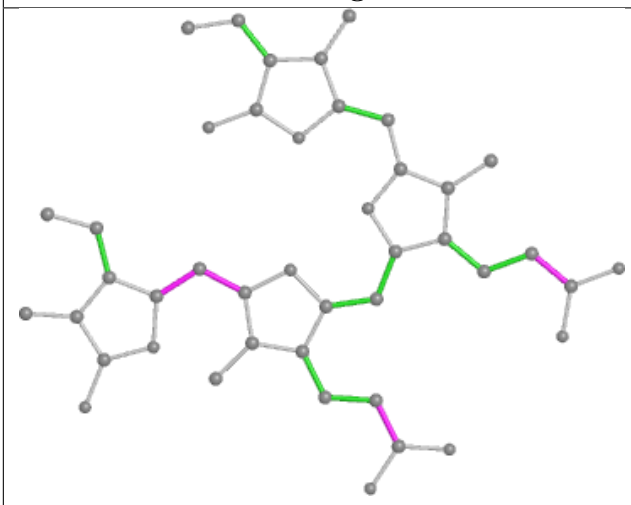

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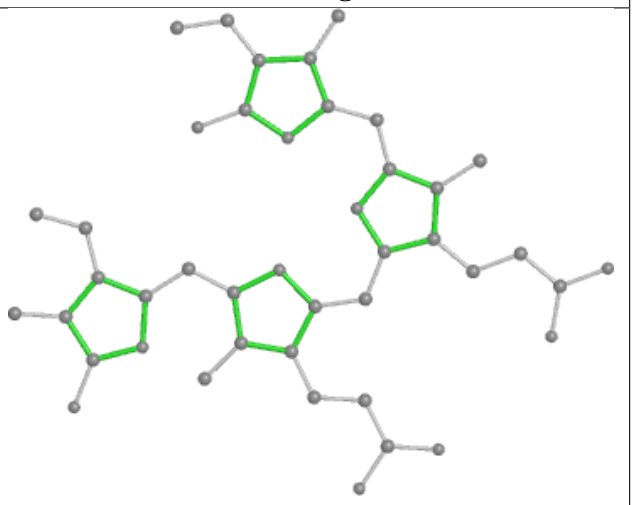
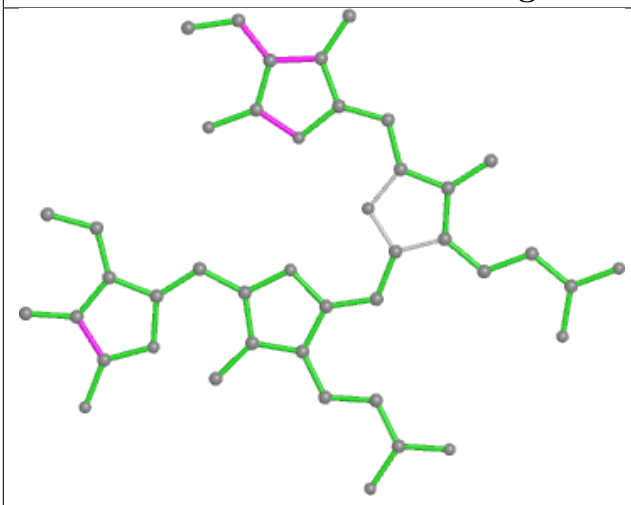


Rings

Ligand PEB dy 401



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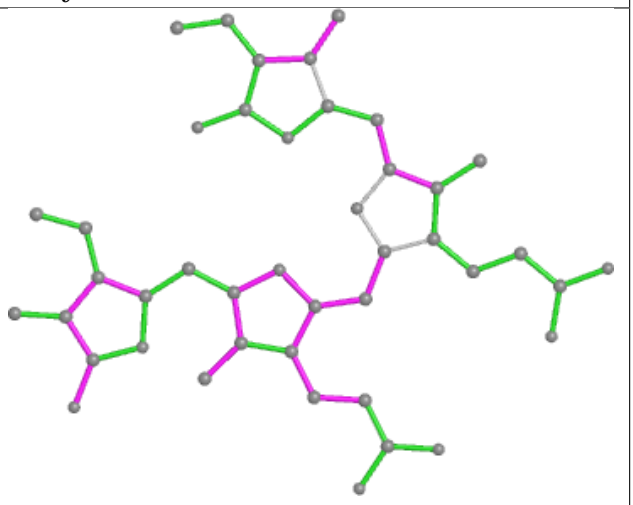

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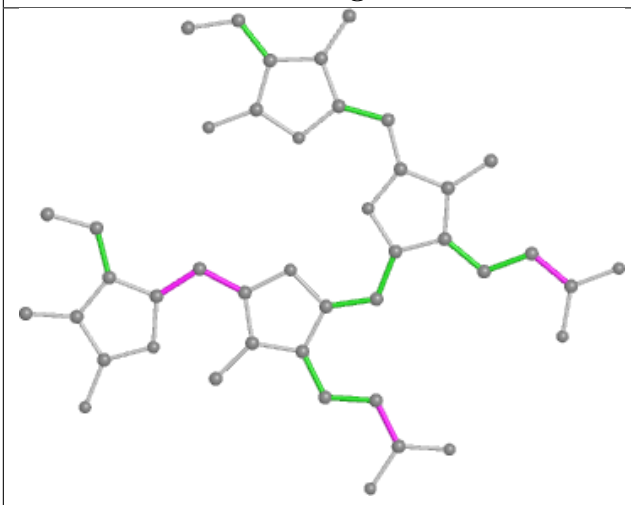

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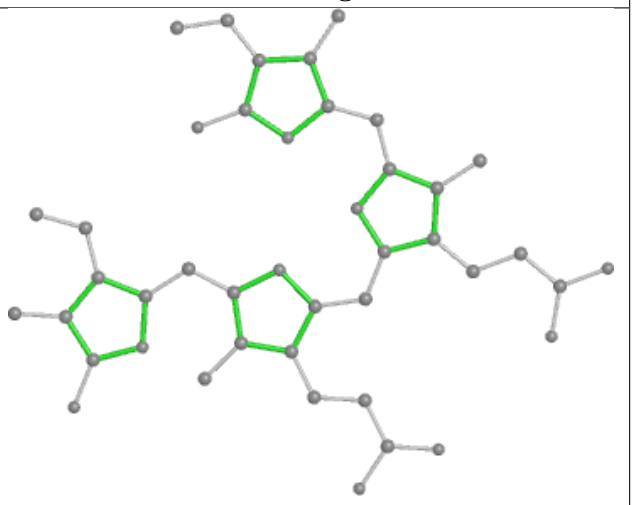

Rings

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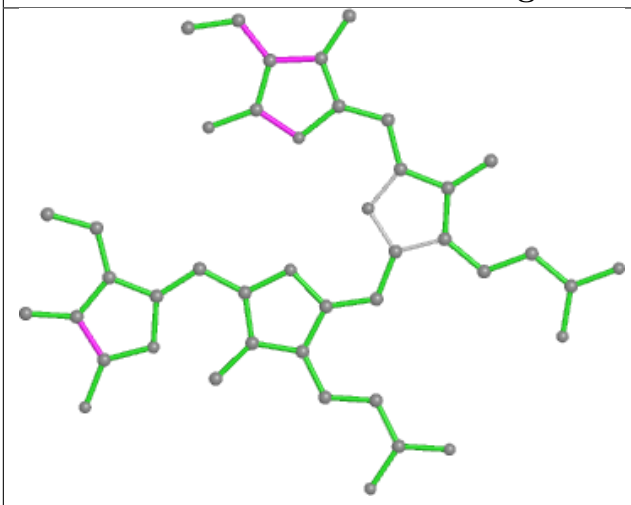

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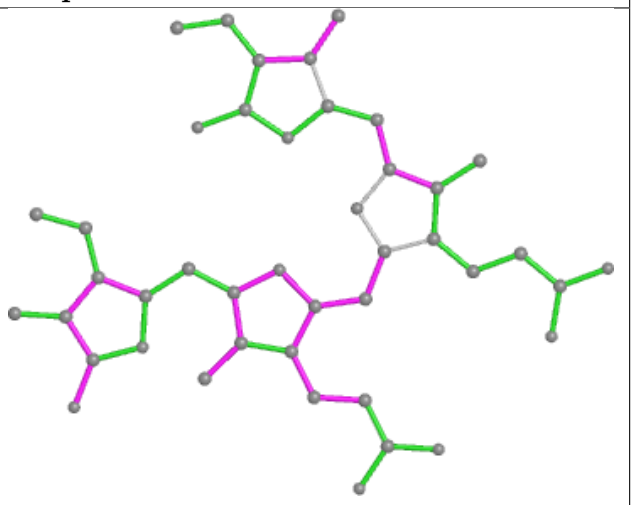

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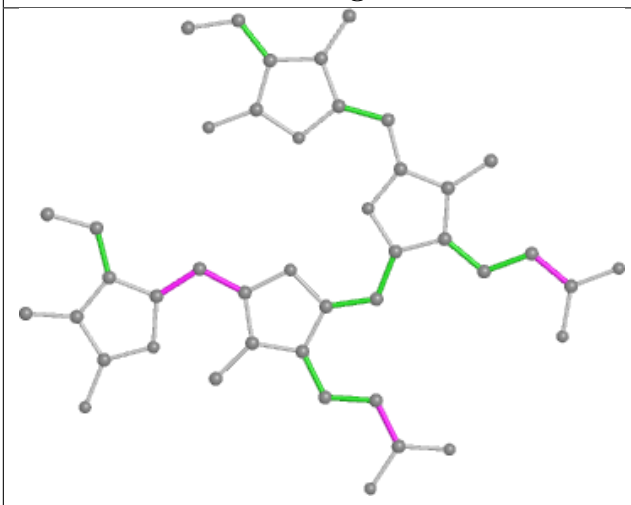

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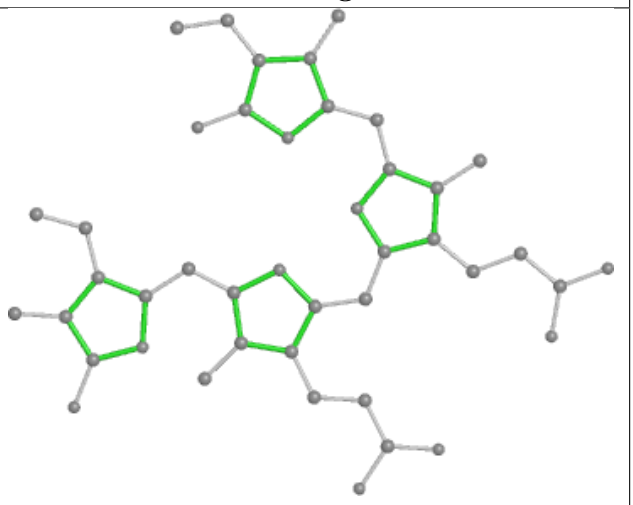
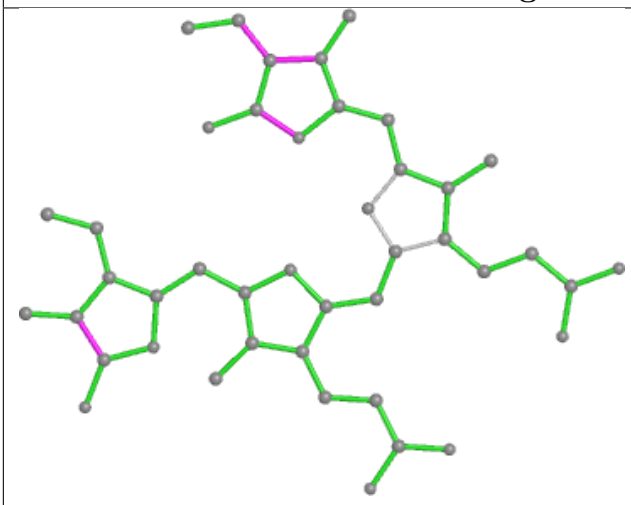


Rings

Ligand PEB J9 201



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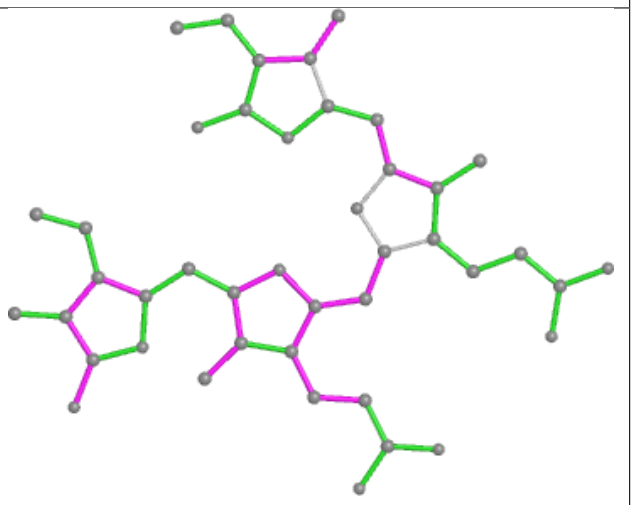

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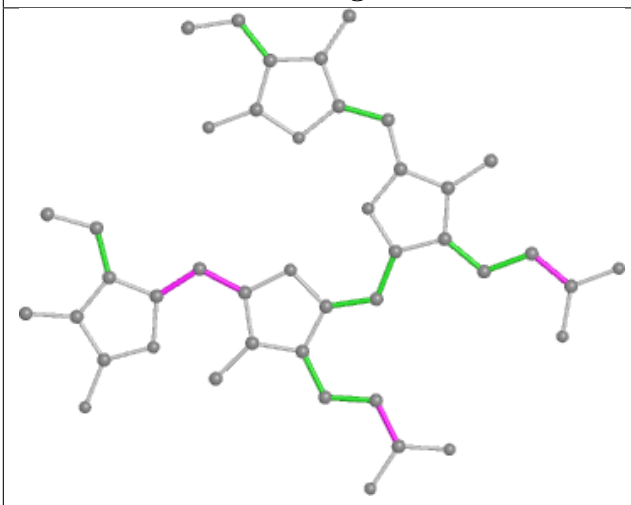

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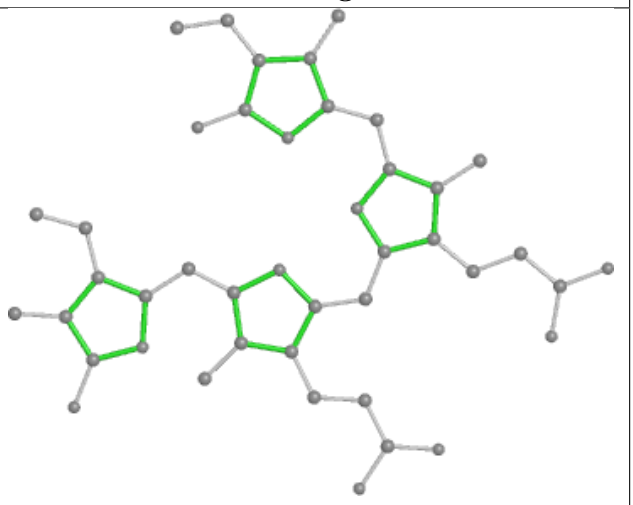
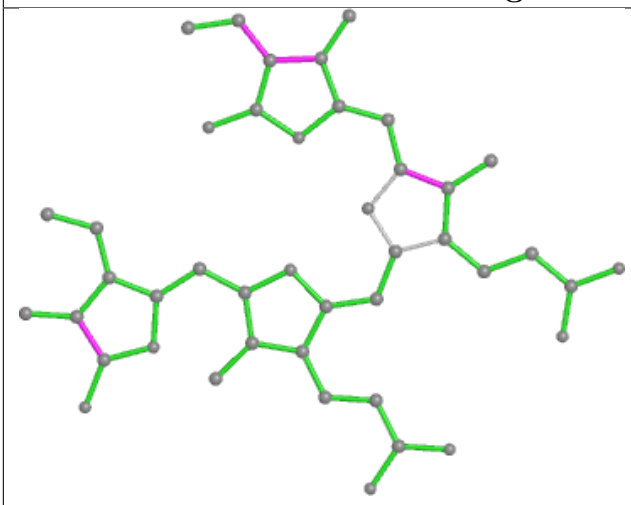


Rings

Ligand PEB K9 1002



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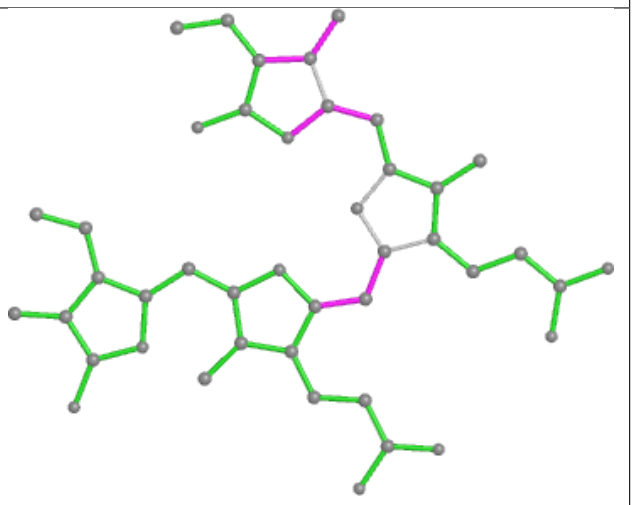

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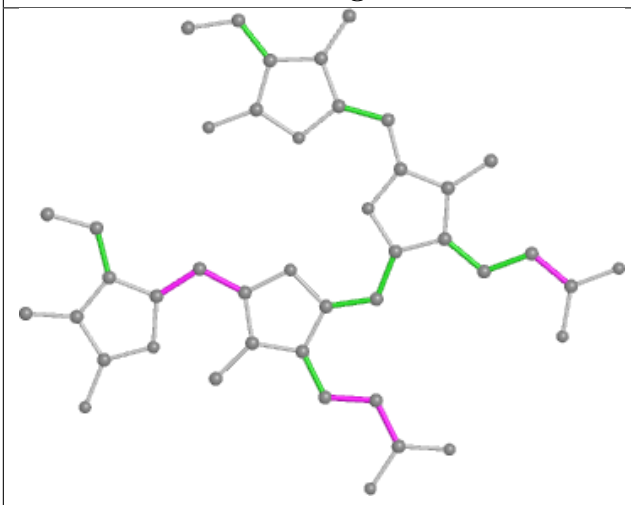

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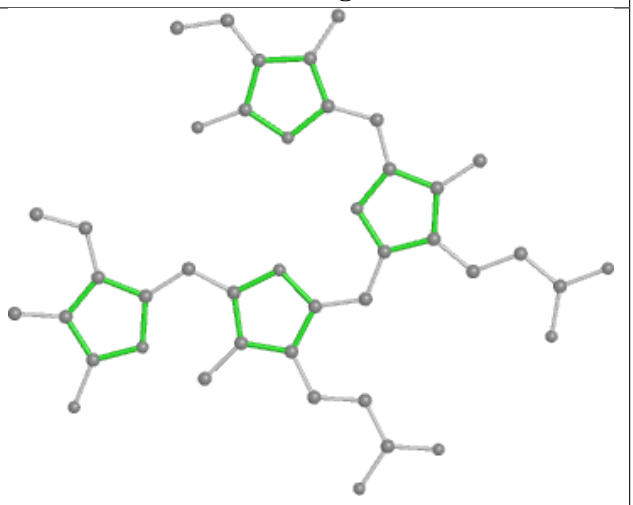
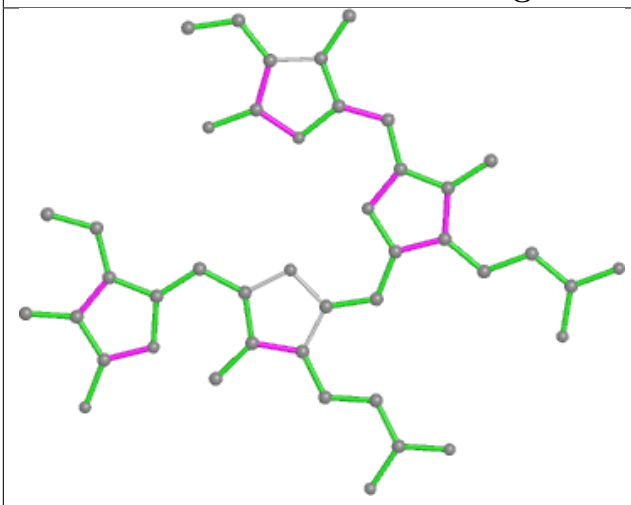


Rings

Ligand PUB C8 203



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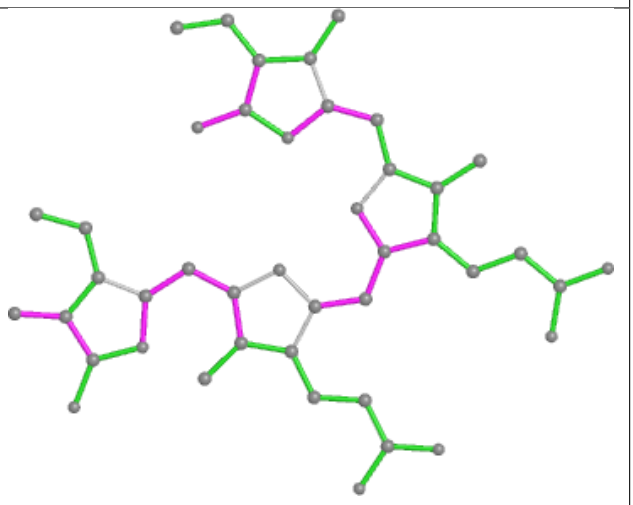

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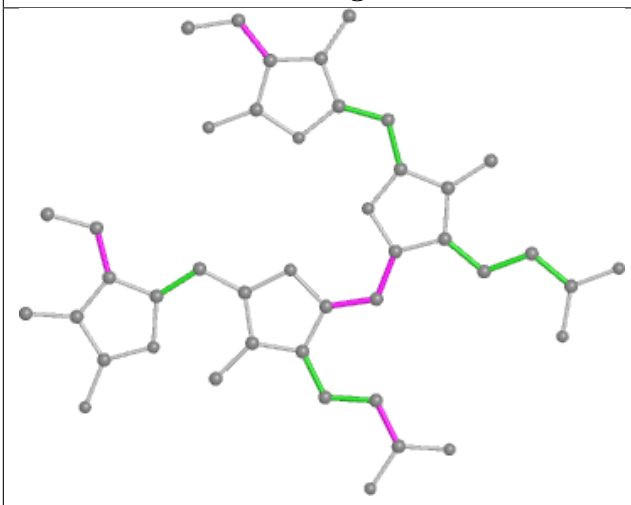

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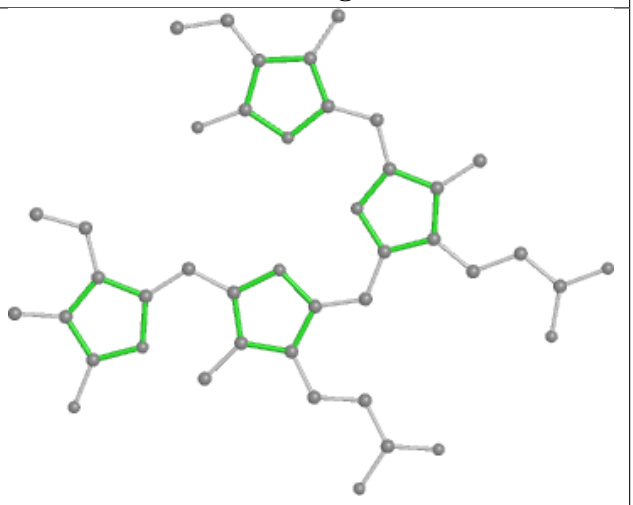
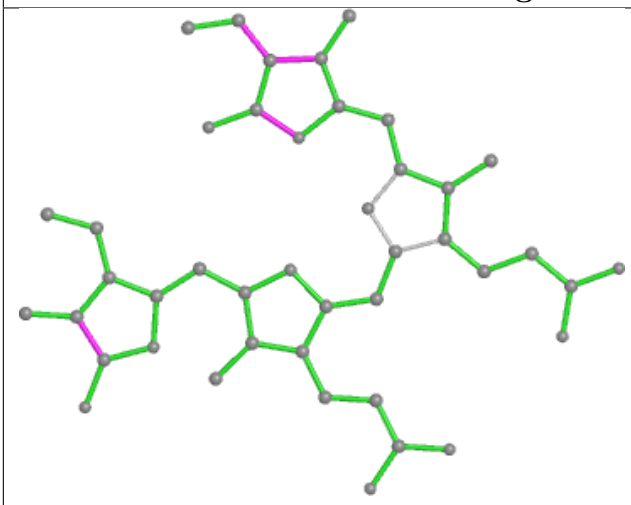


Rings

Ligand PEB bw 201



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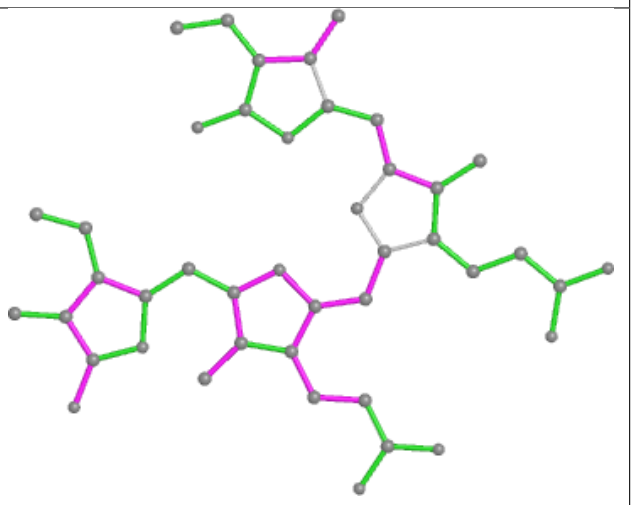

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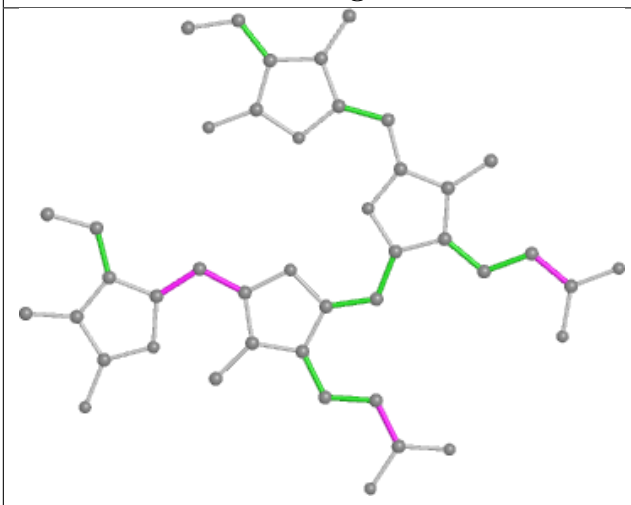

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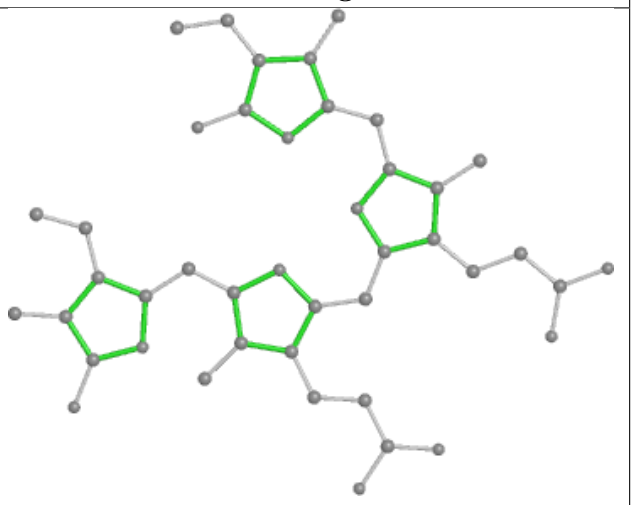
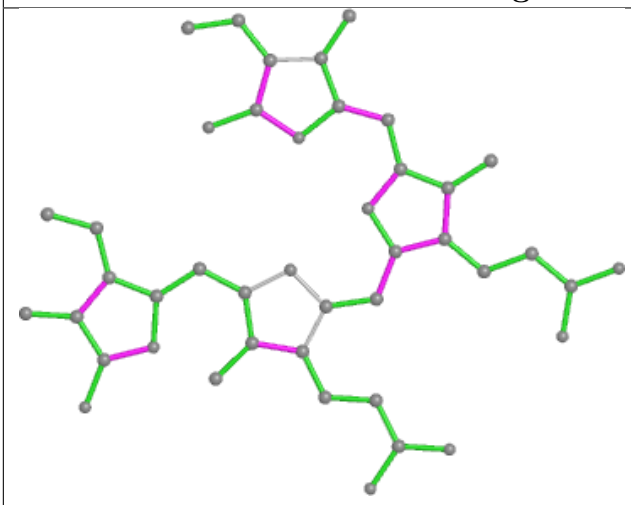


Rings

Ligand PUB dX 203



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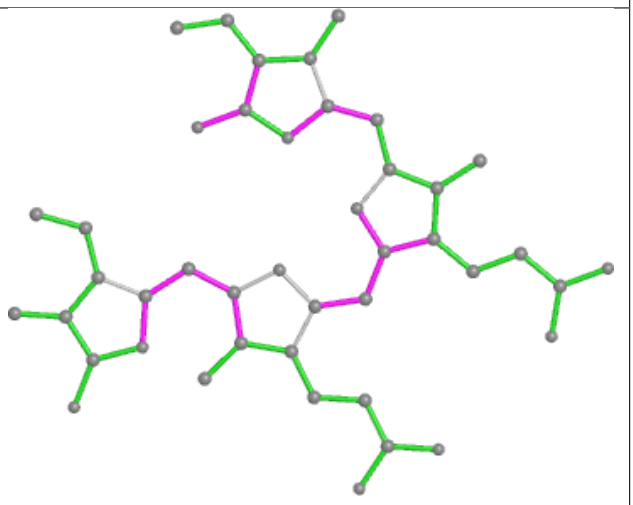

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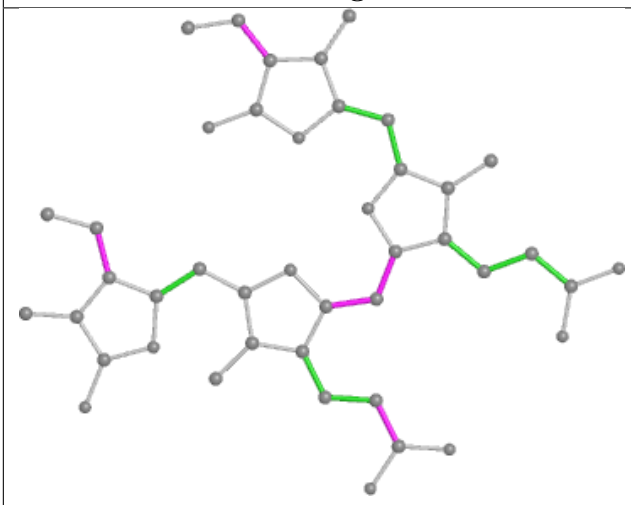
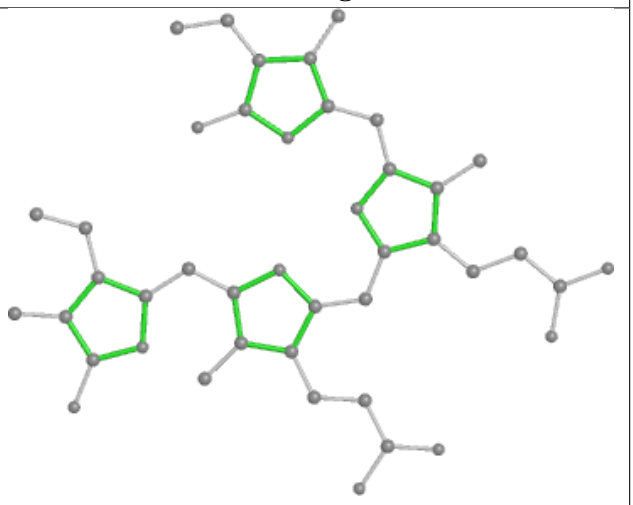
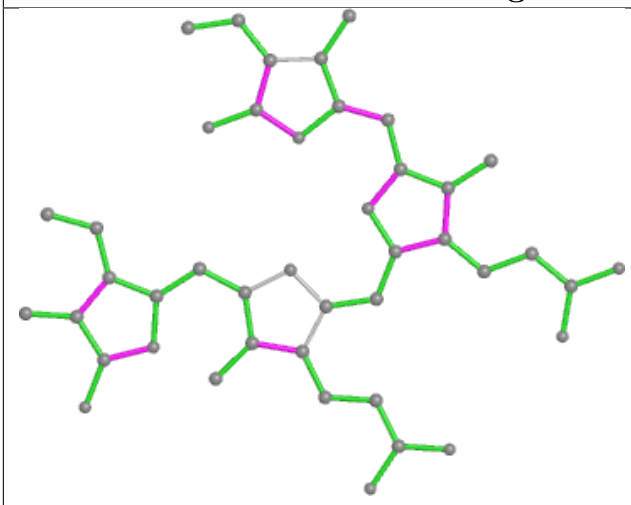


Torsions



Rings

Ligand PUB b8 1005



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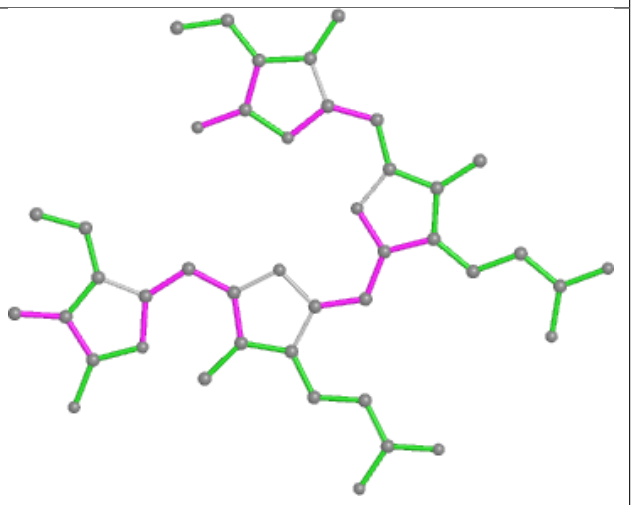
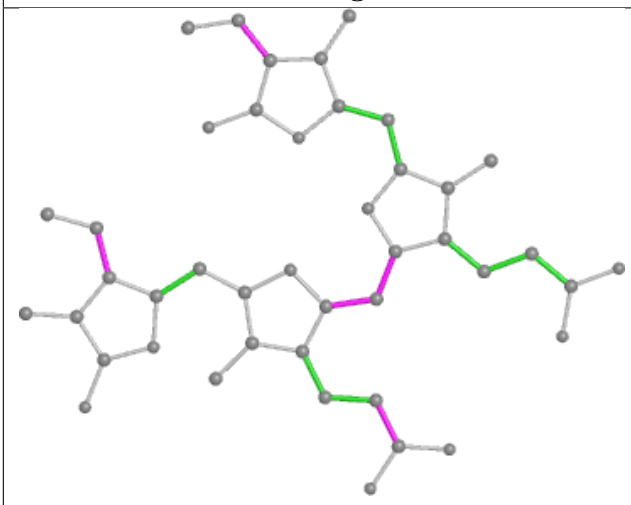


Bond angles



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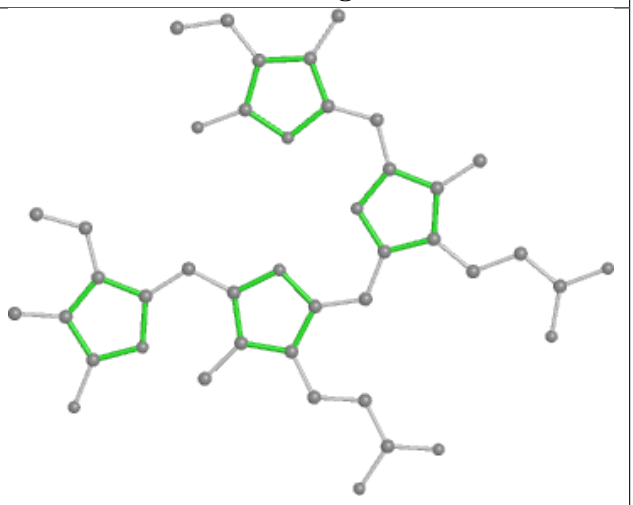
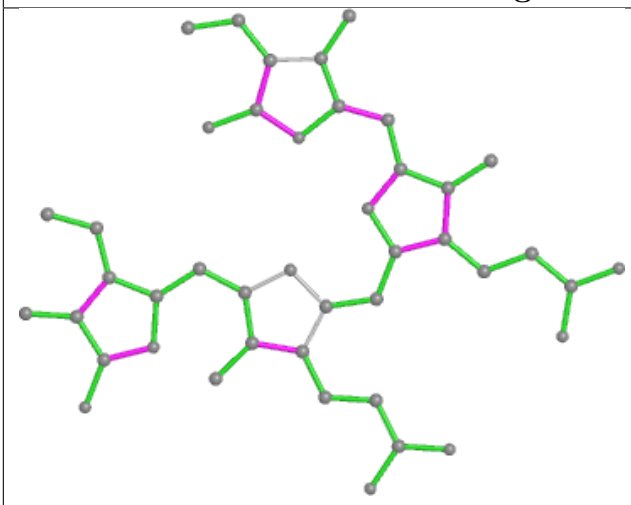


Rings

Ligand PUB eX 202



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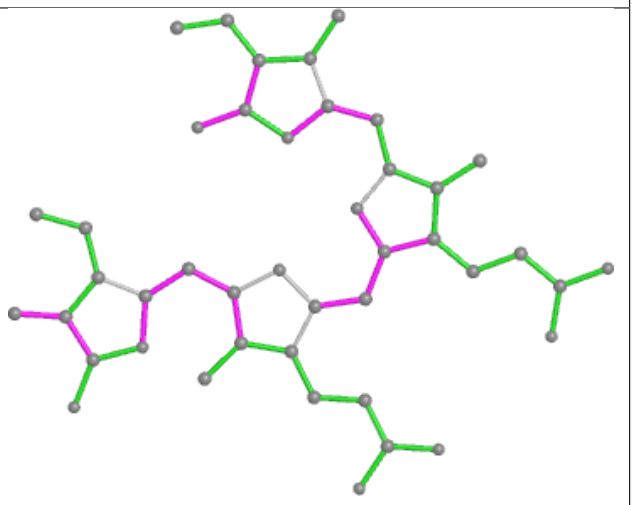

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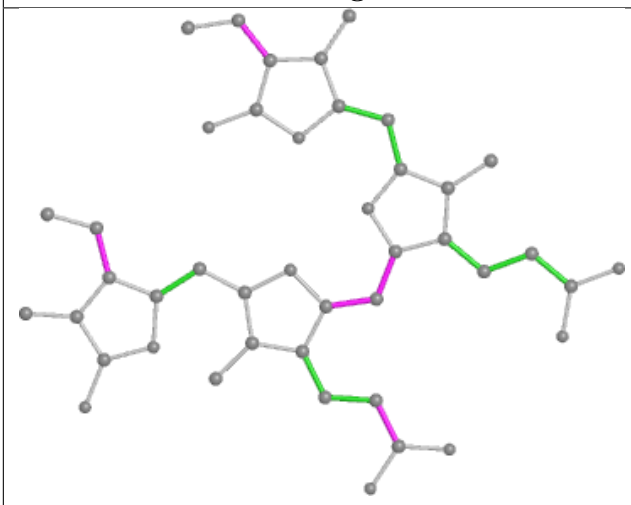

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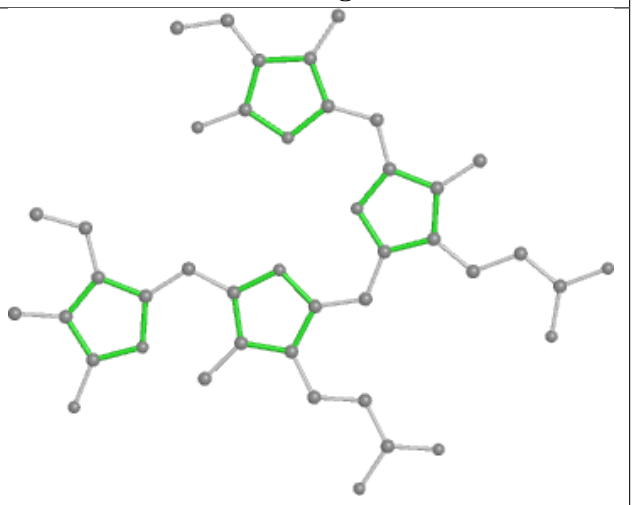
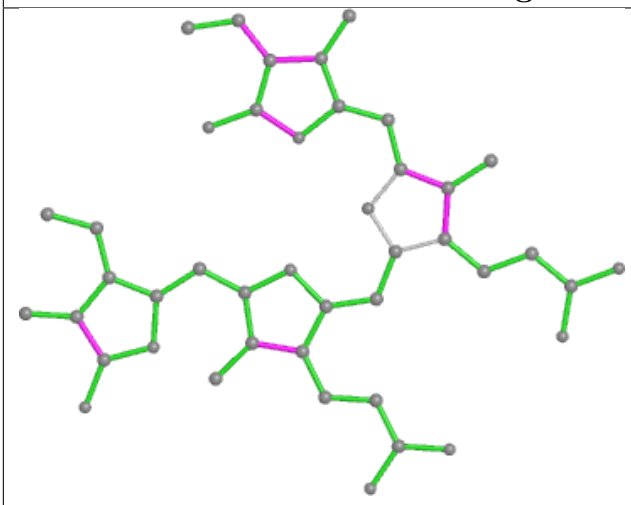


Rings

Ligand PEB A1 301



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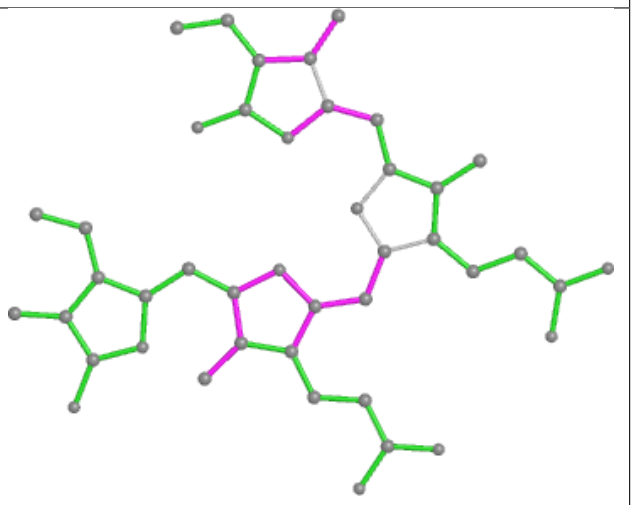

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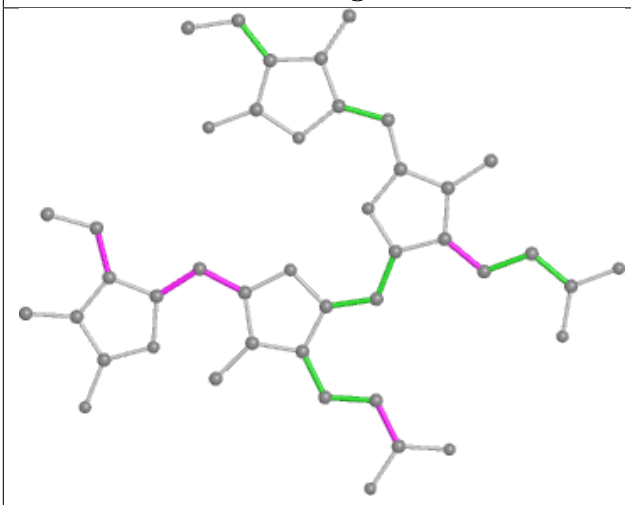

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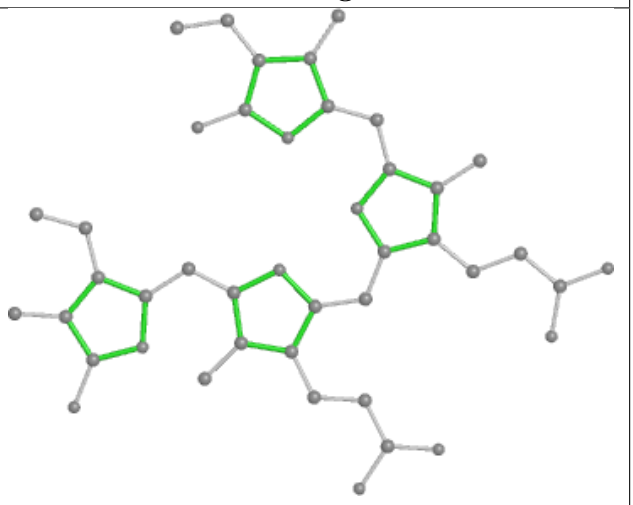
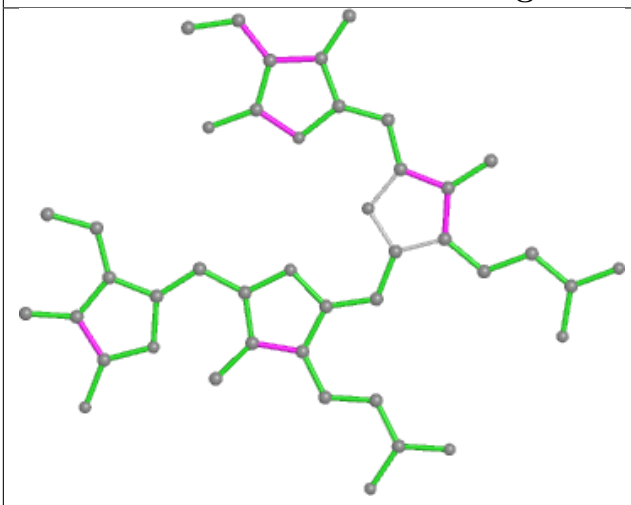


Rings

Ligand PEB T7 202



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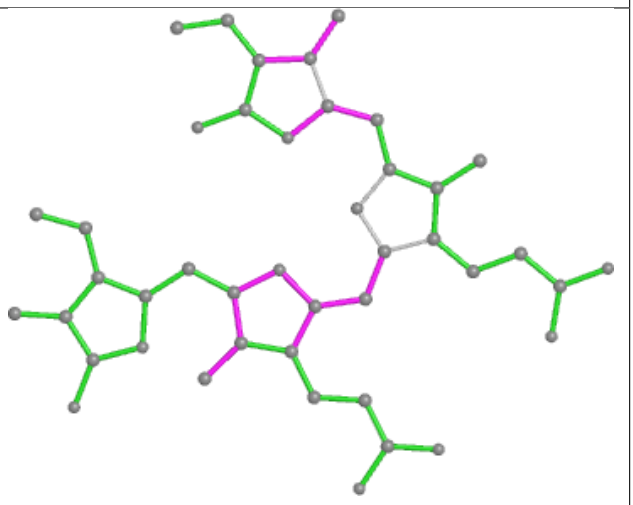

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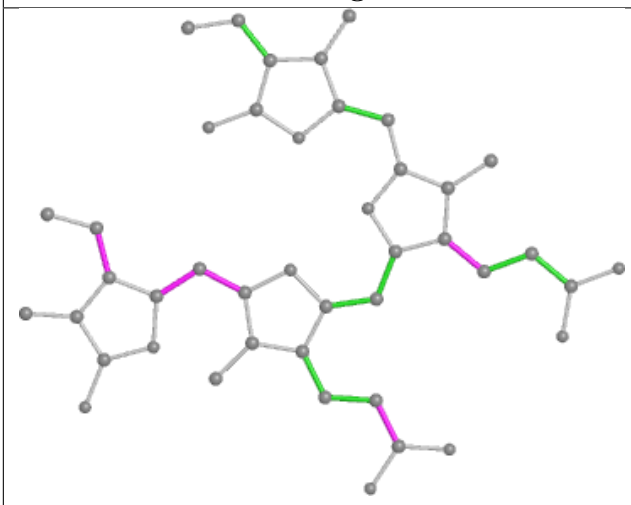

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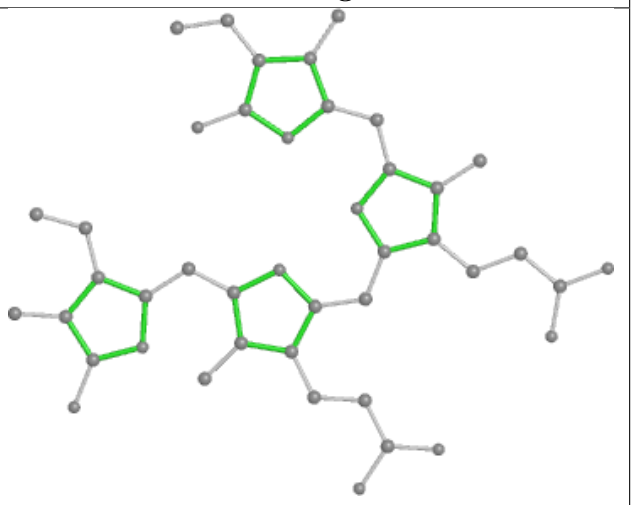
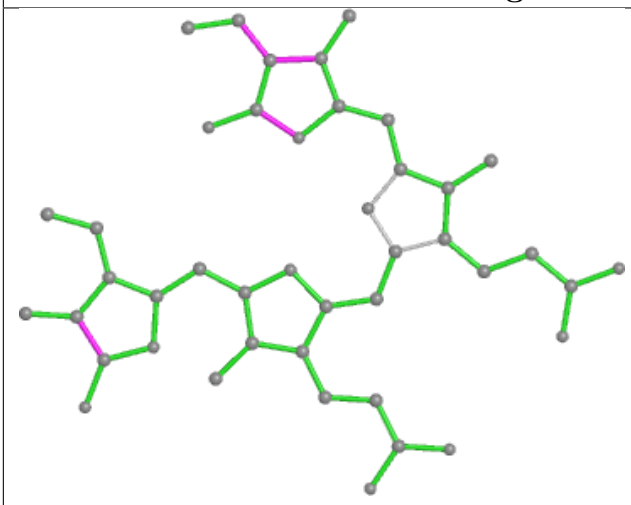


Rings

Ligand PEB aK 1001



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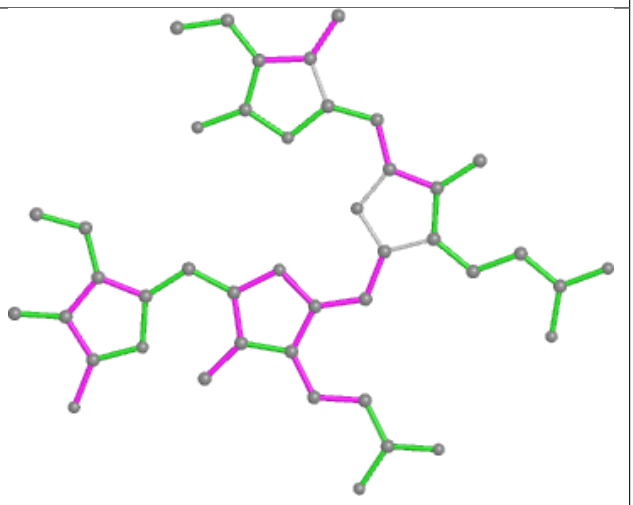

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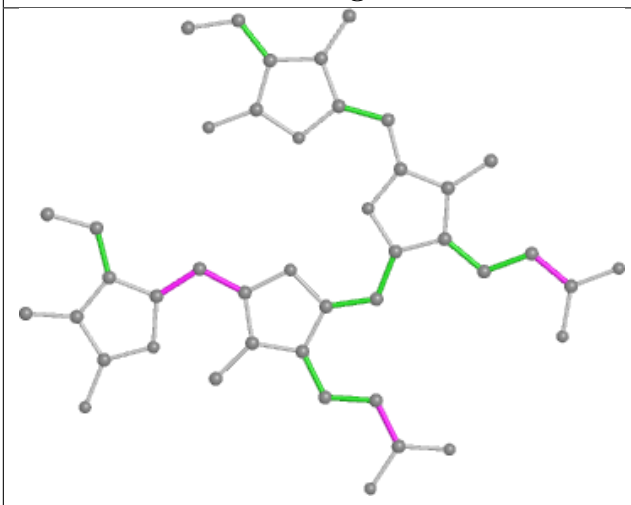

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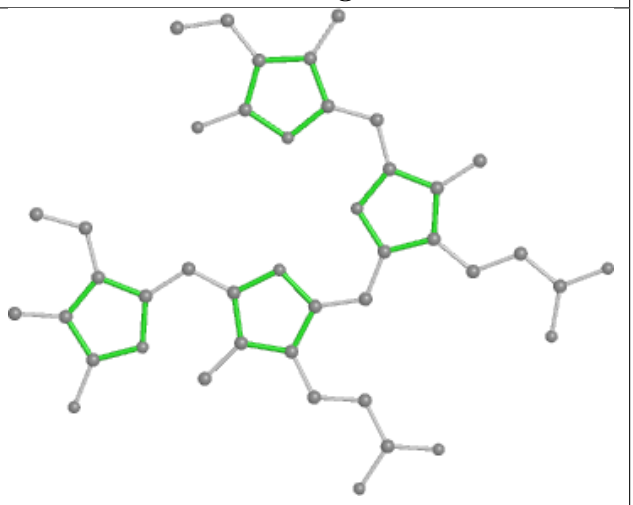

Rings

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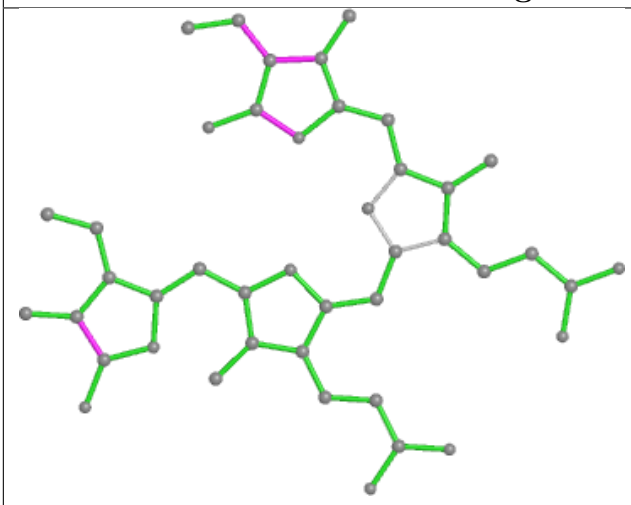

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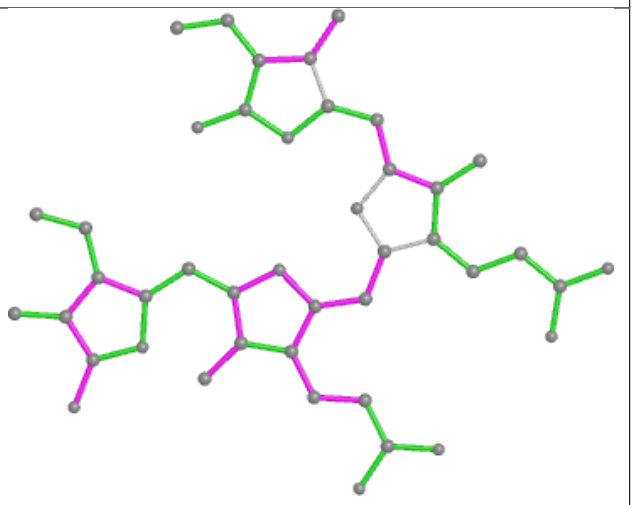

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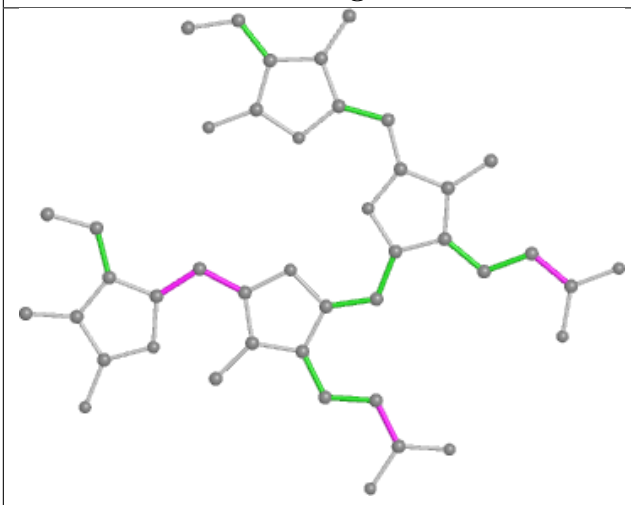

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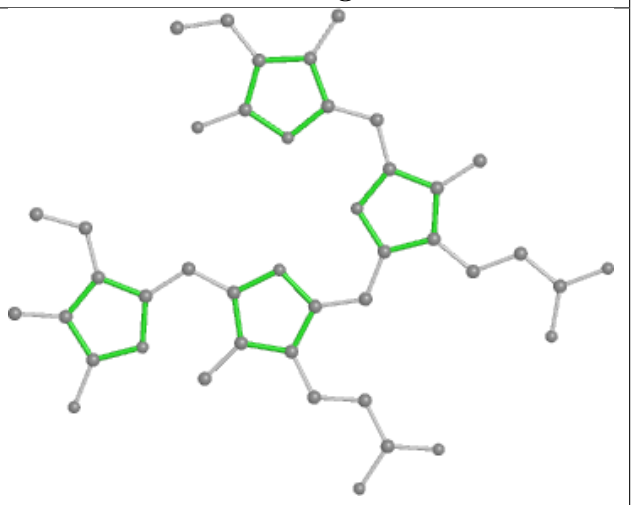

Rings

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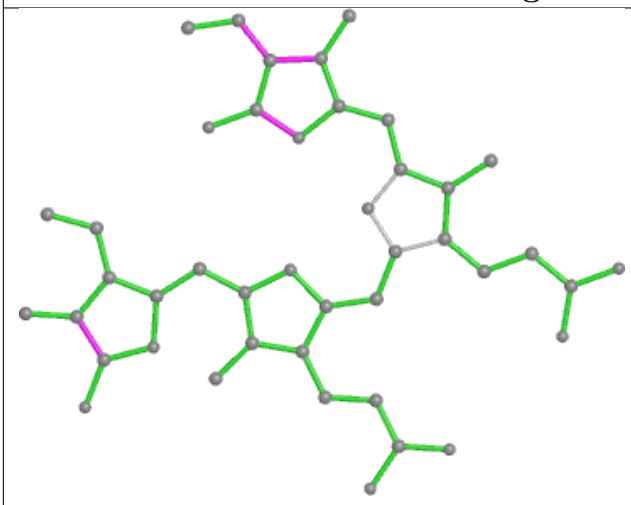

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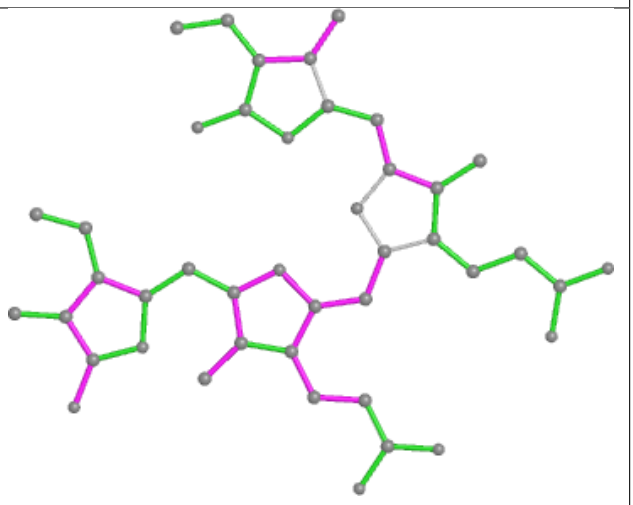

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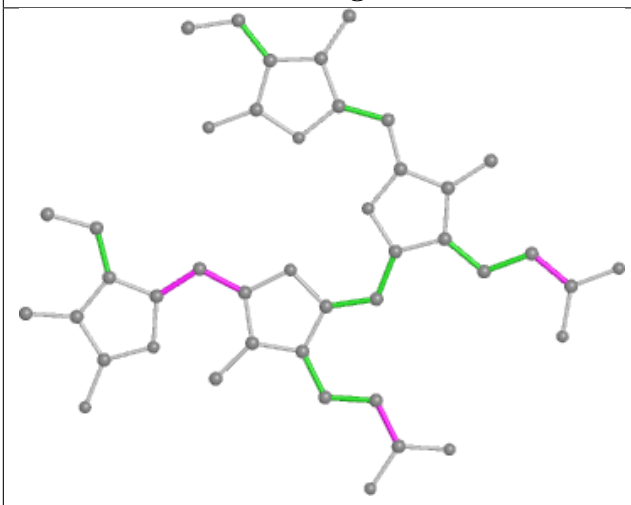

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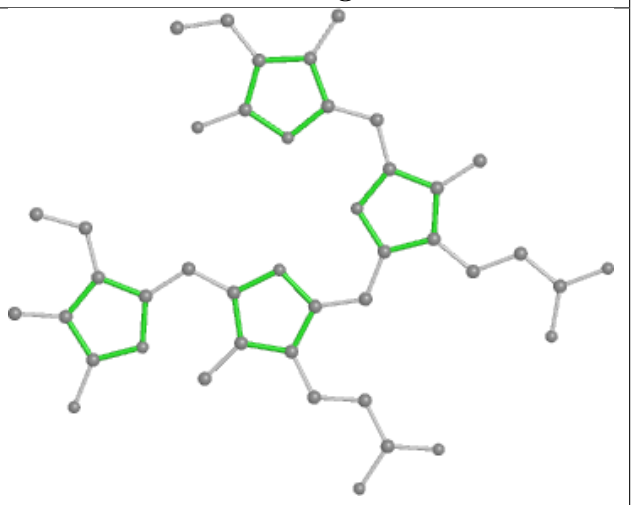
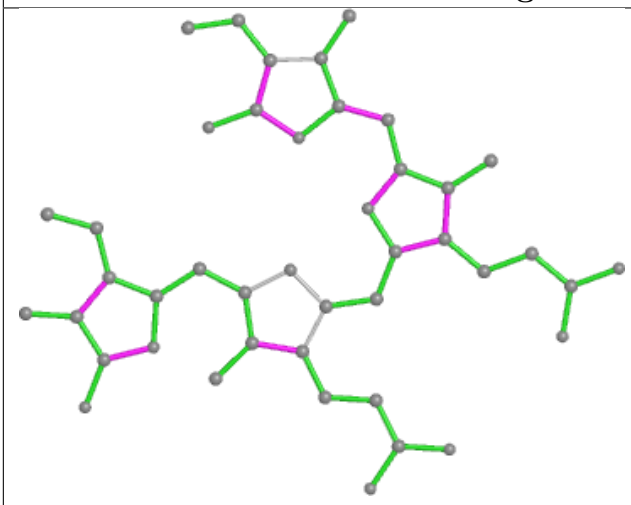


Rings

Ligand PUB d7 203



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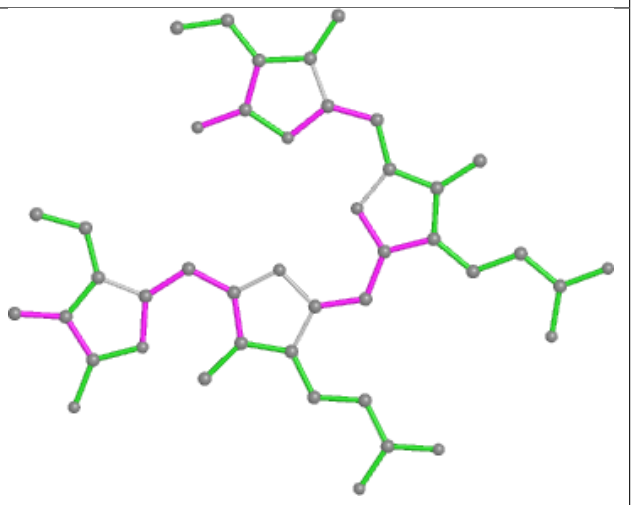
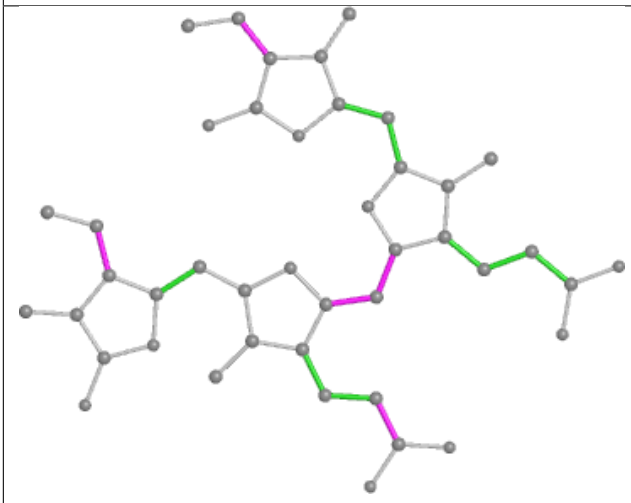


Bond angles



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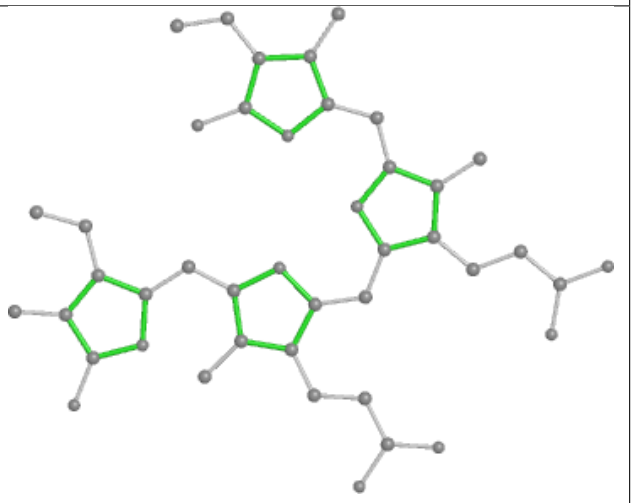

Rings

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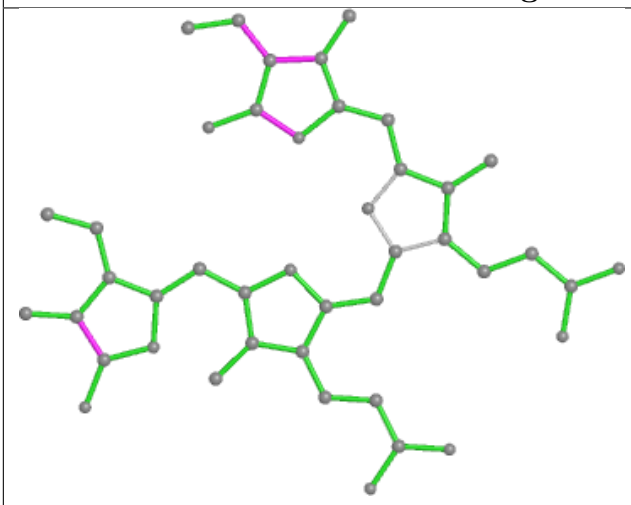

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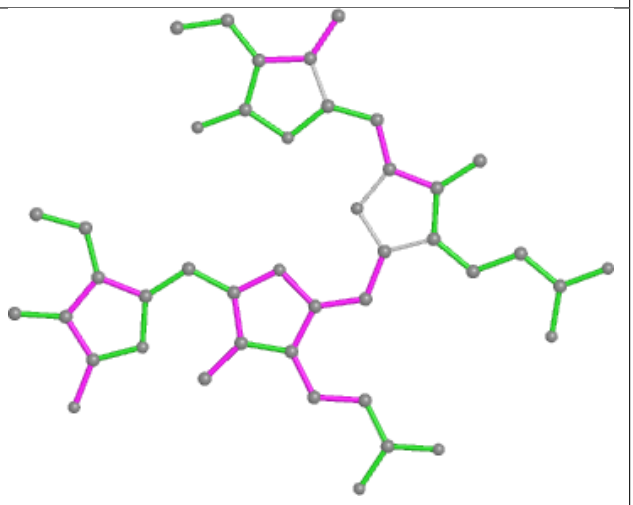

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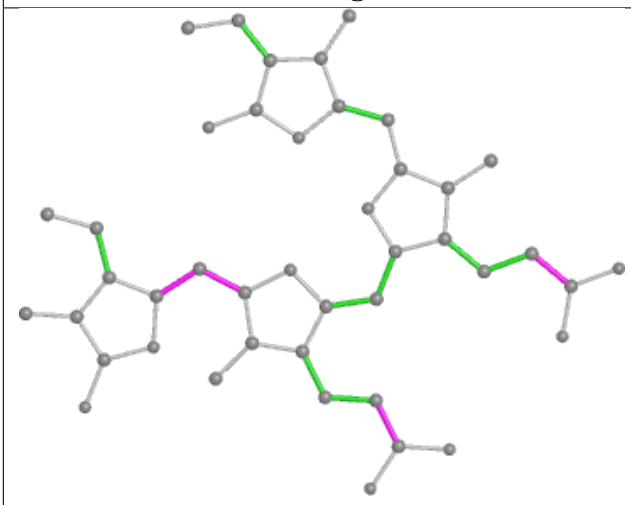

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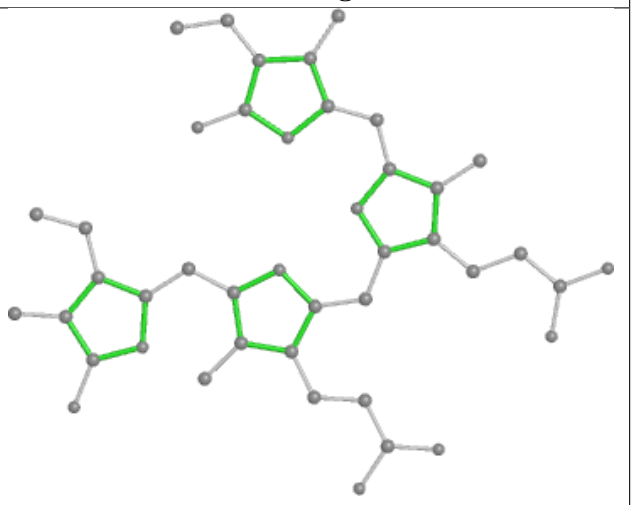
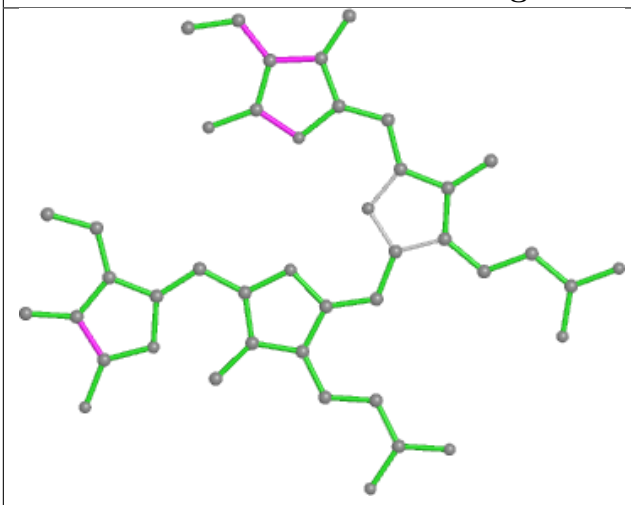


Rings

Ligand PEB ba 1001



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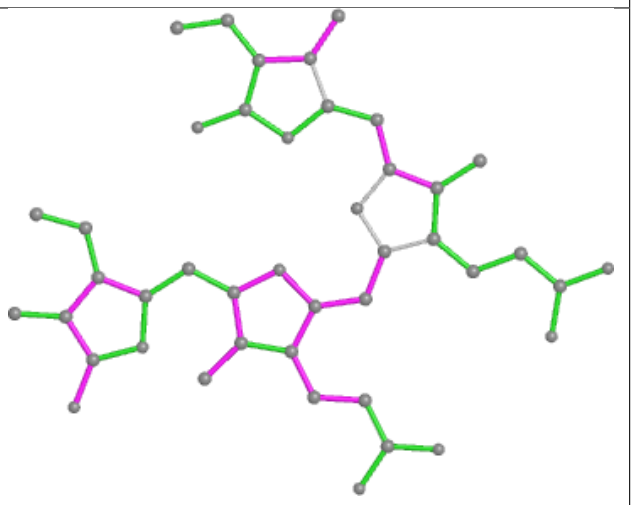

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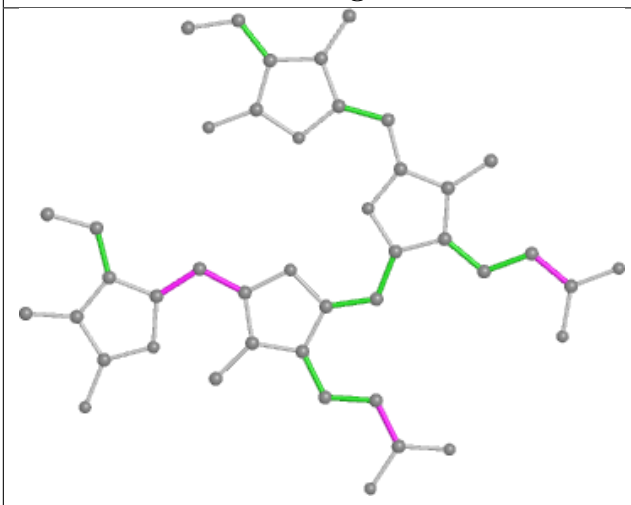

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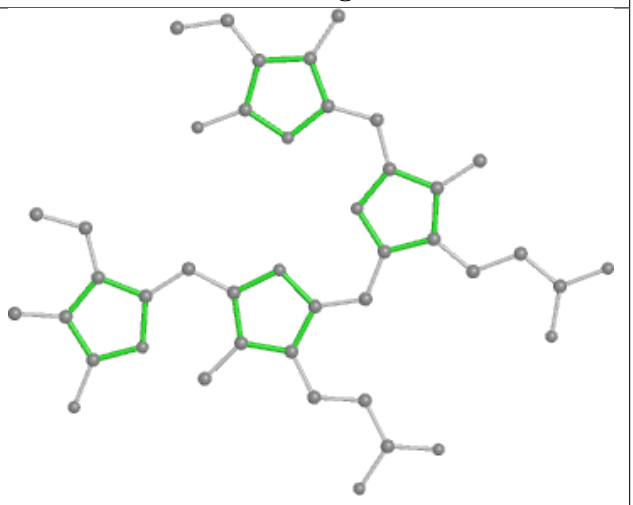
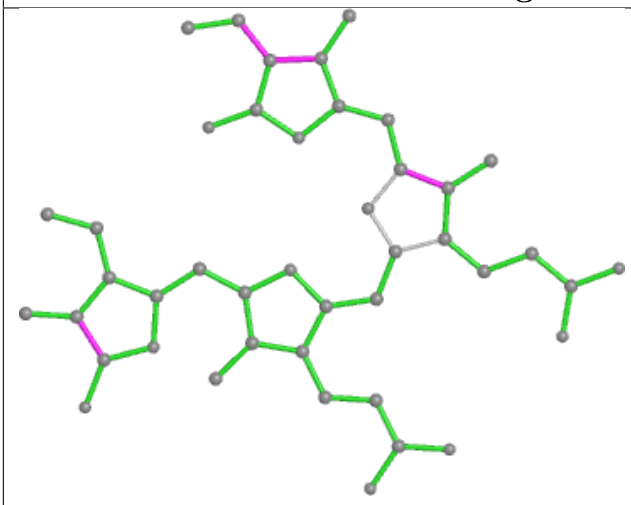


Rings

Ligand PEB w3 202



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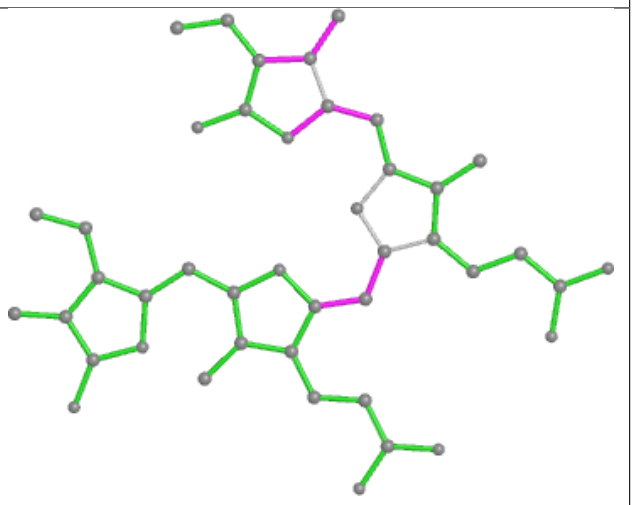

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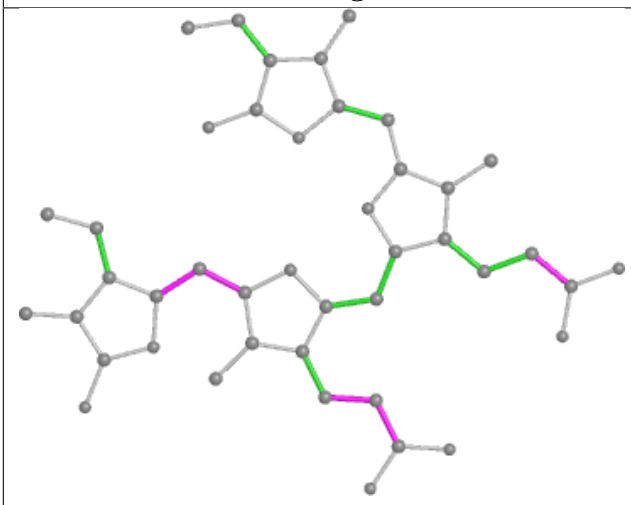

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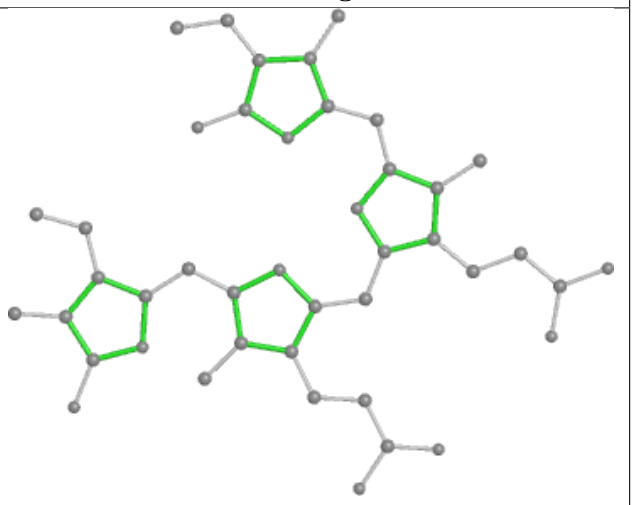

Rings

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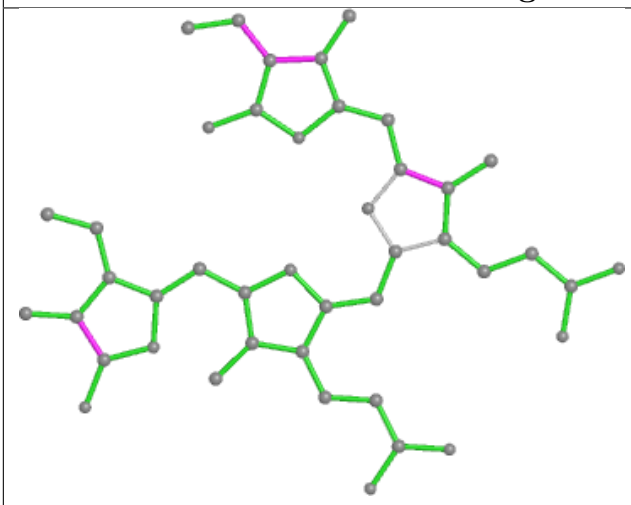

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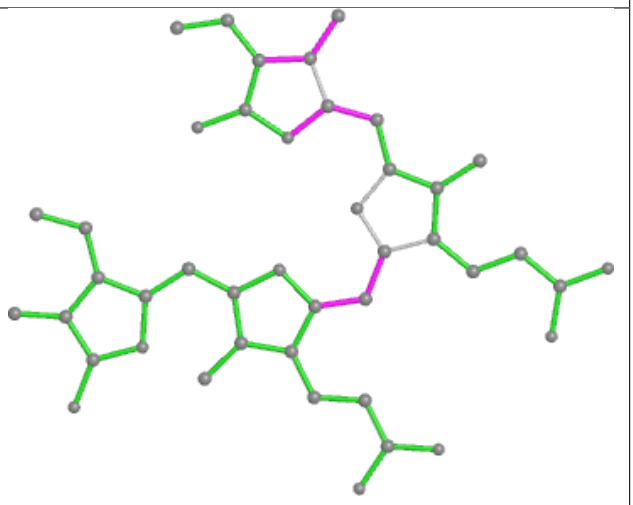
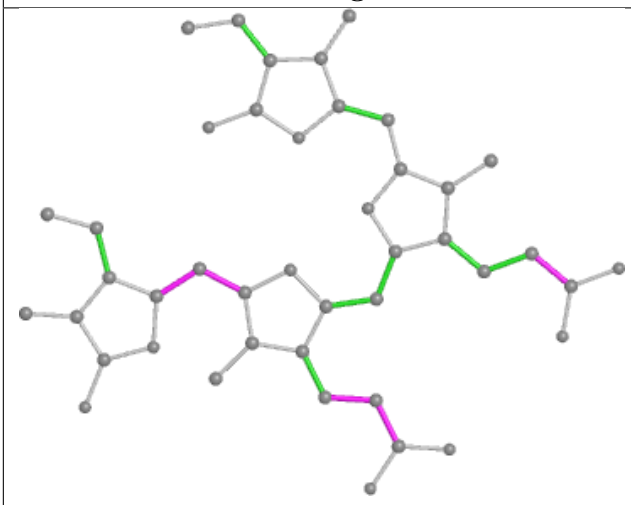


Bond angles



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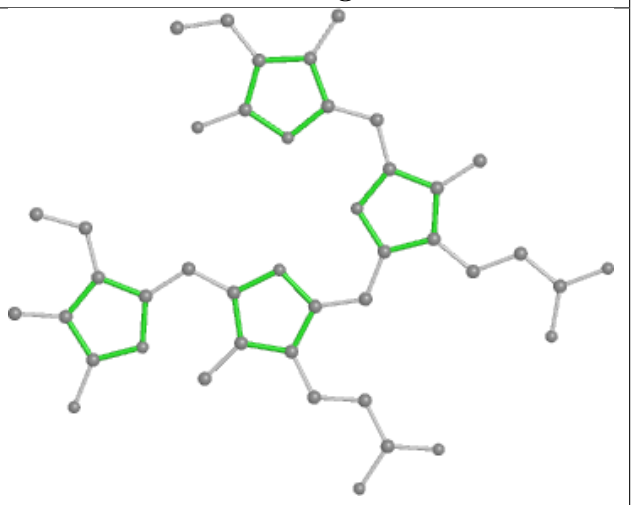
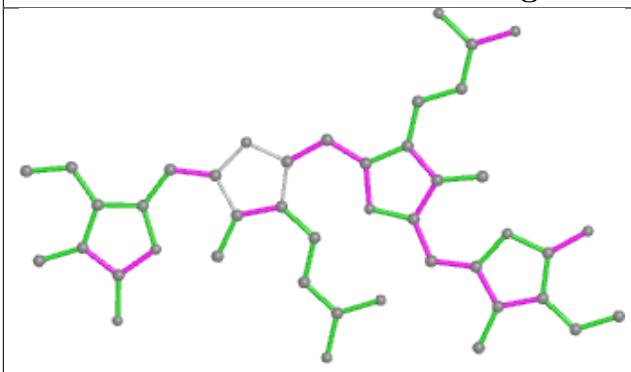


Rings

Ligand CYC f1 201



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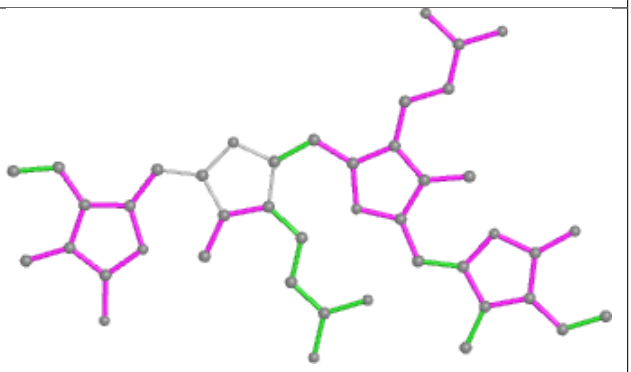
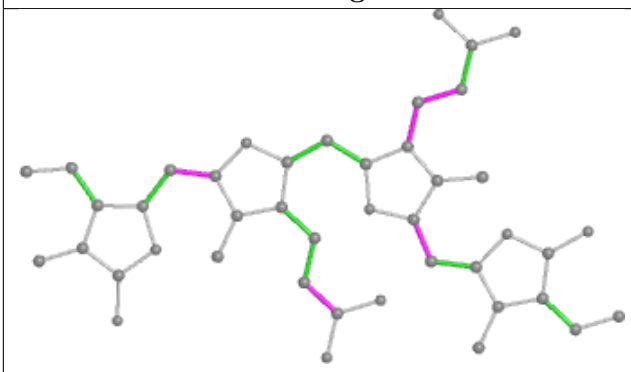


Bond angles



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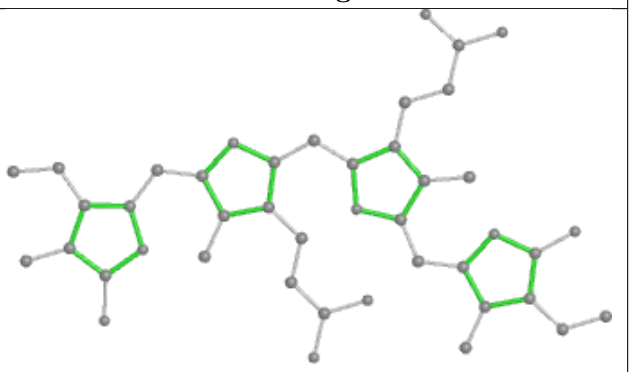
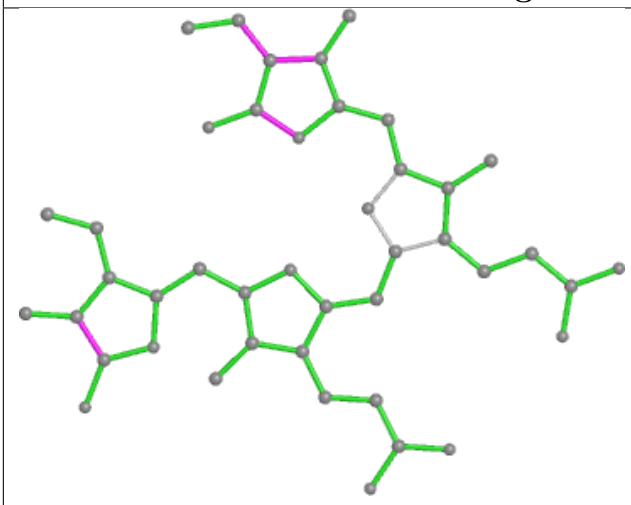
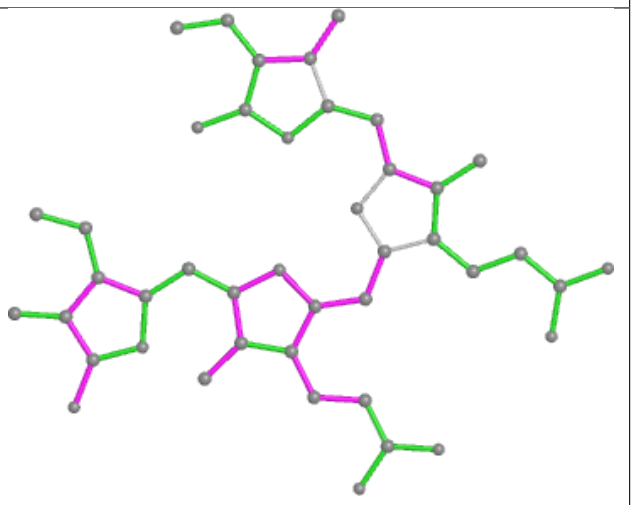


Rings

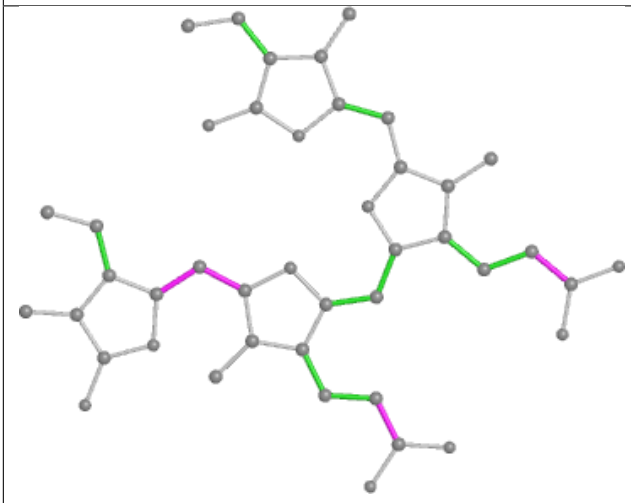
Ligand PEB aN 202



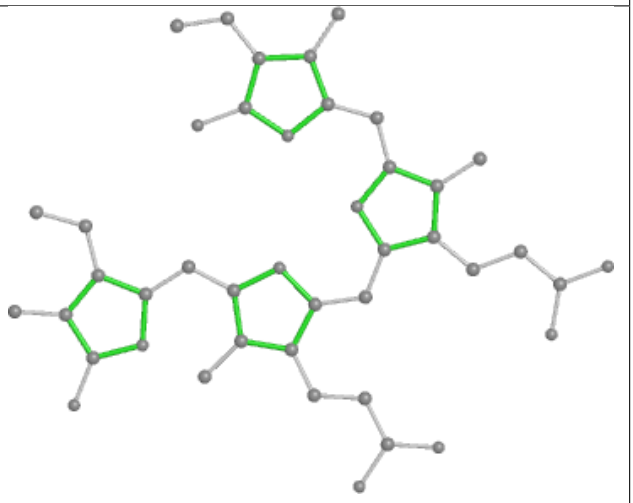
Bond lengths



Bond angles

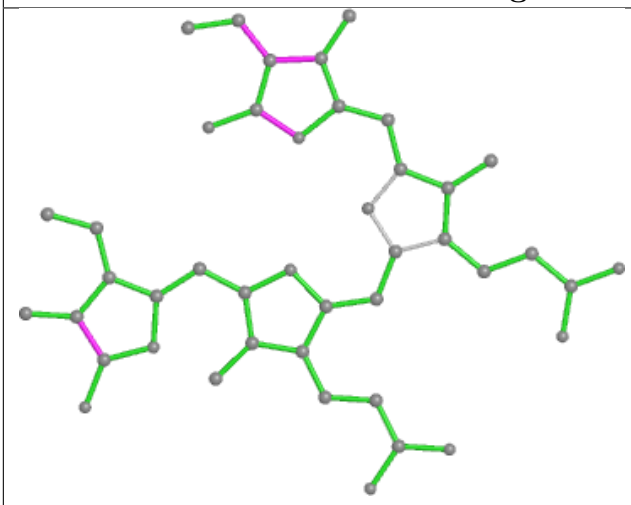


Torsions



Rings

Ligand PEB by 1002



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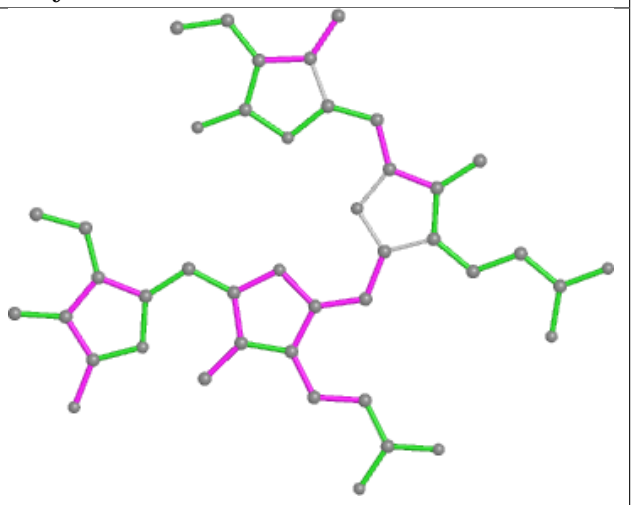

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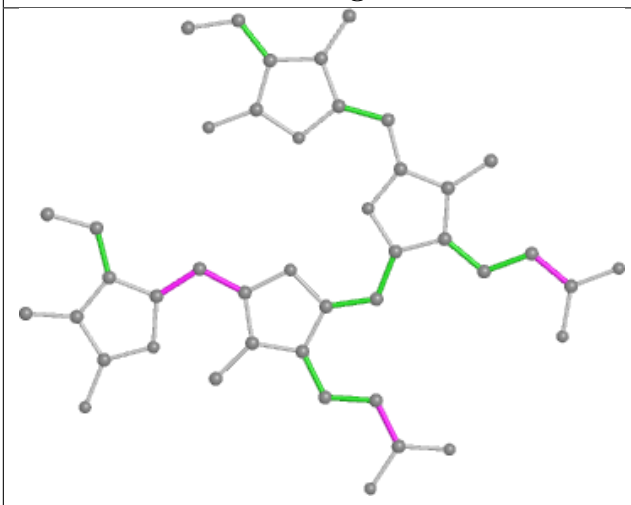

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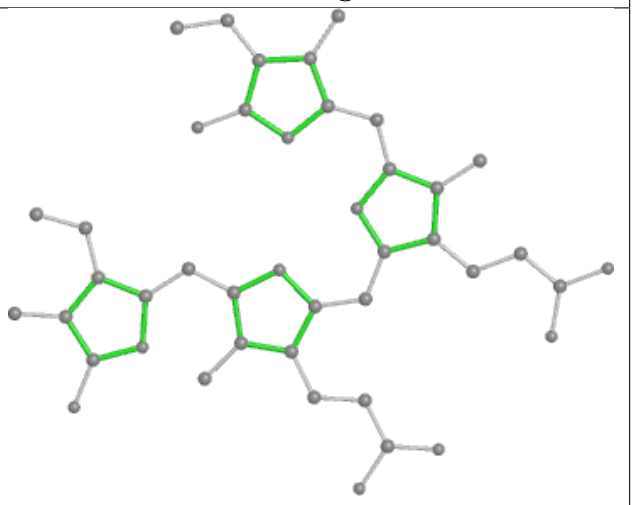
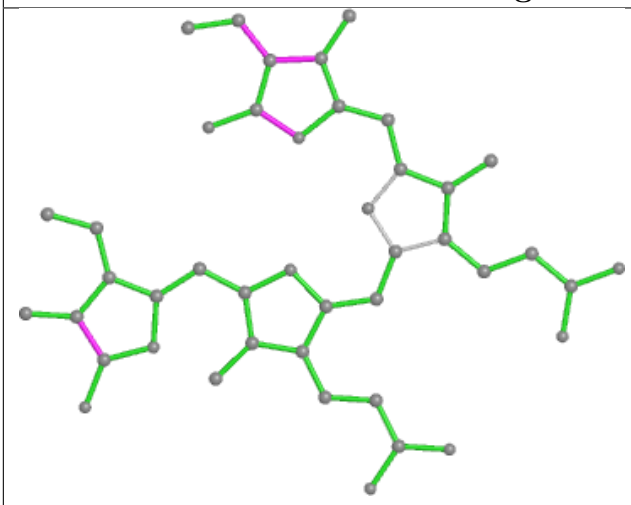


Rings

Ligand PEB G8 201



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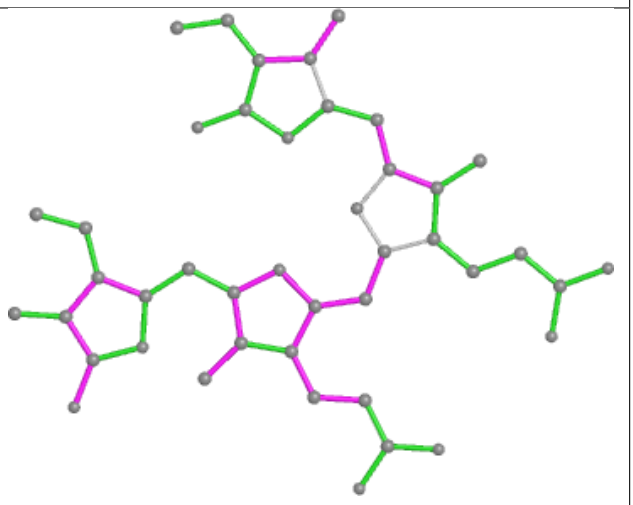

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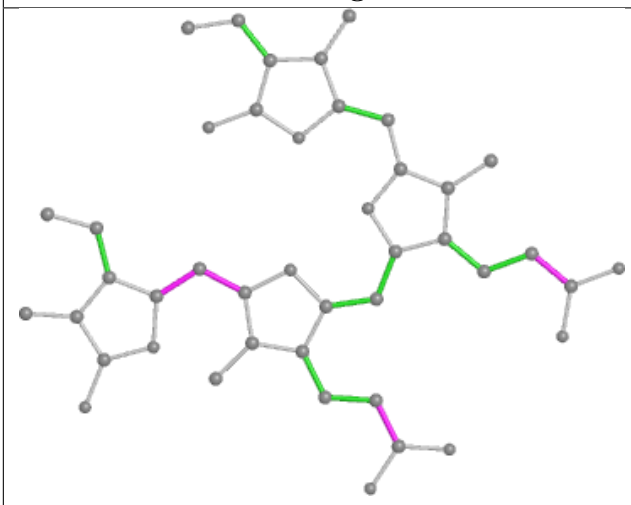

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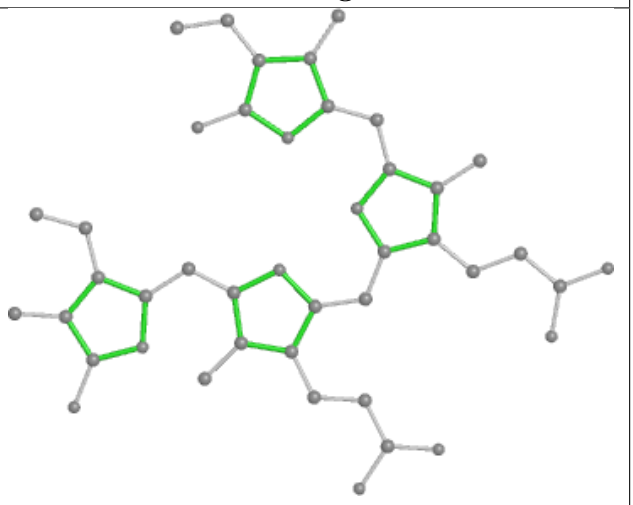

Rings

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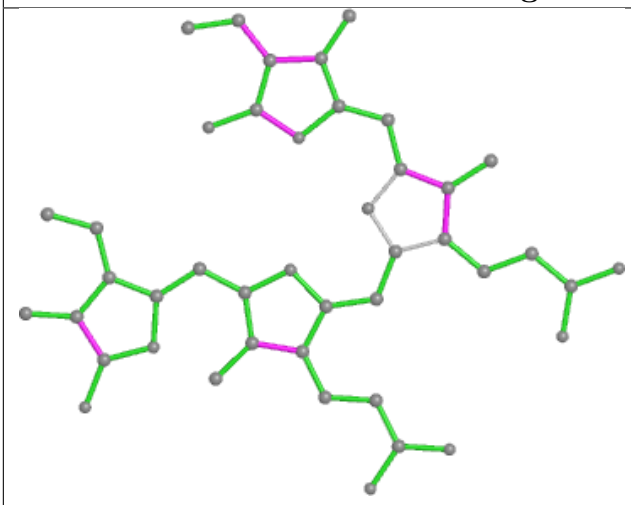

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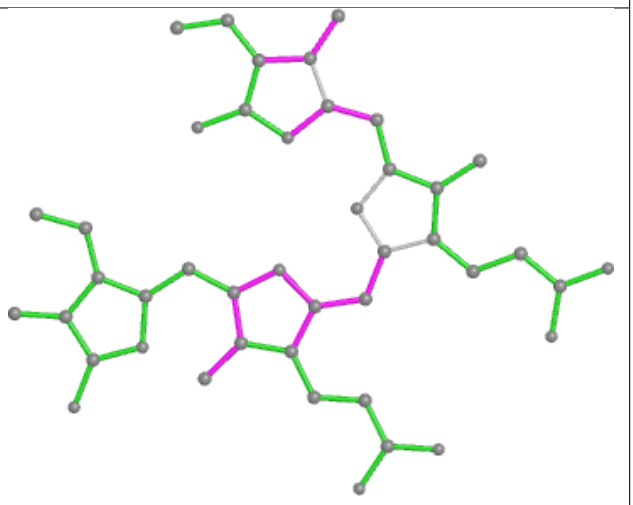

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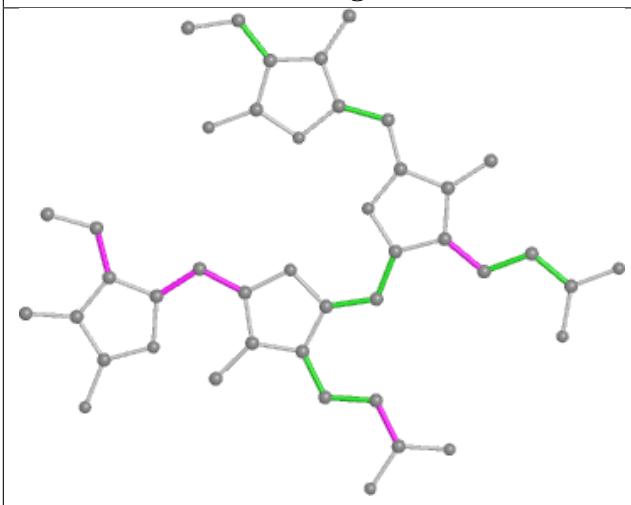

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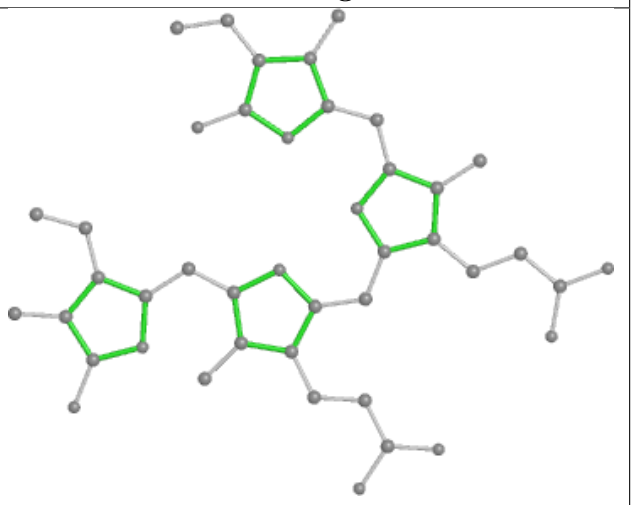

Rings

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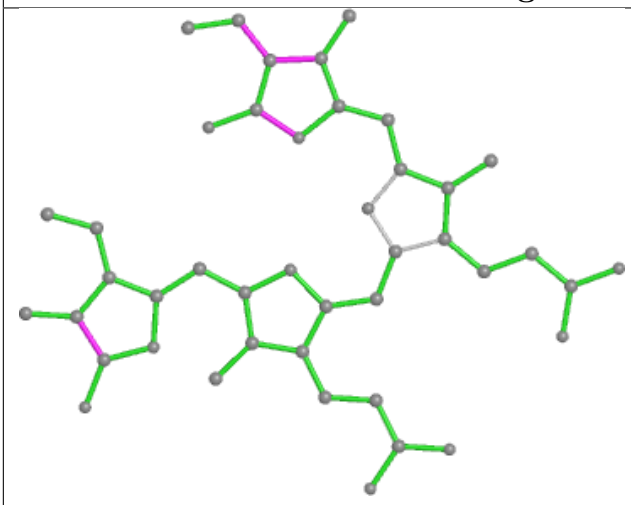

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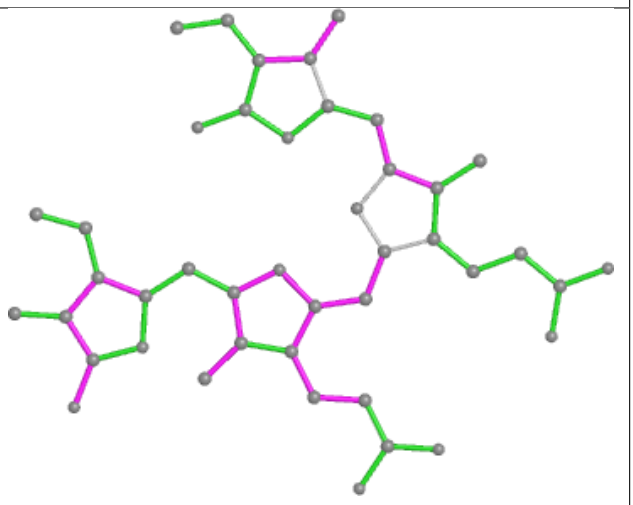

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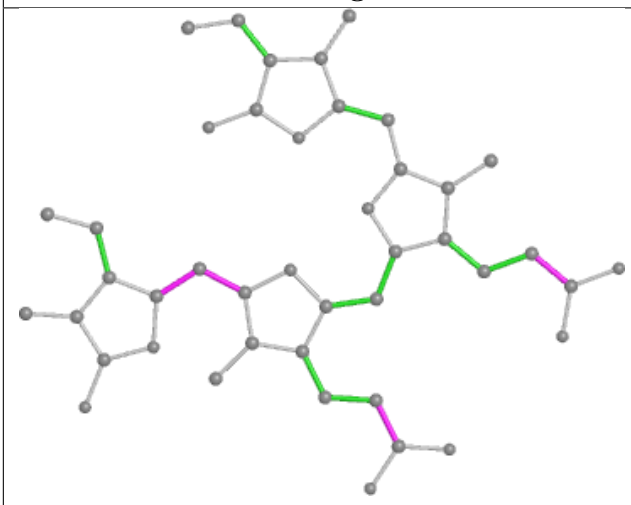

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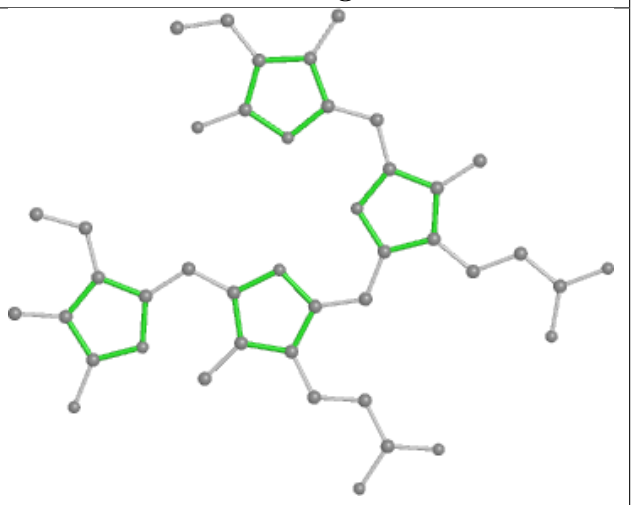

Rings

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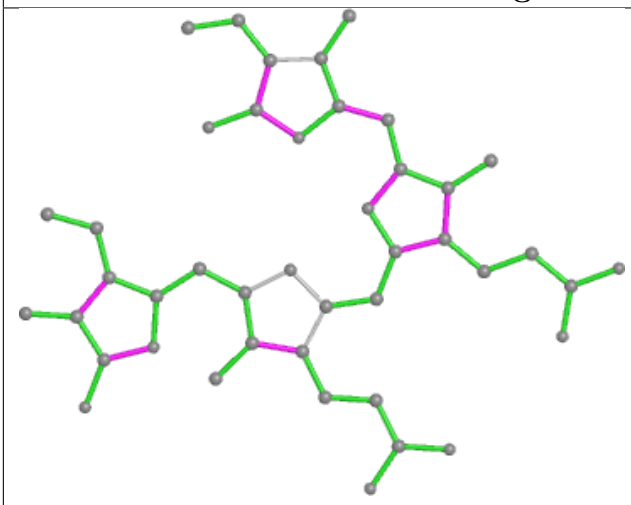

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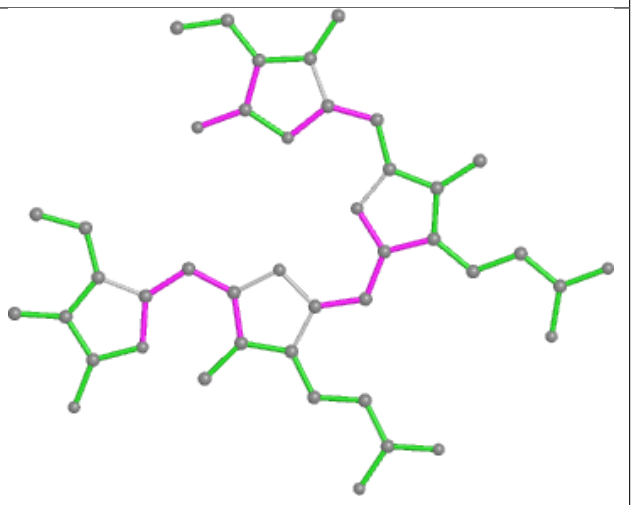

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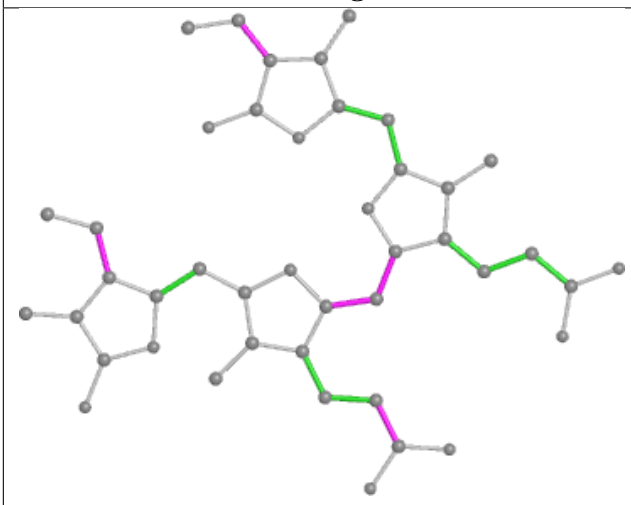

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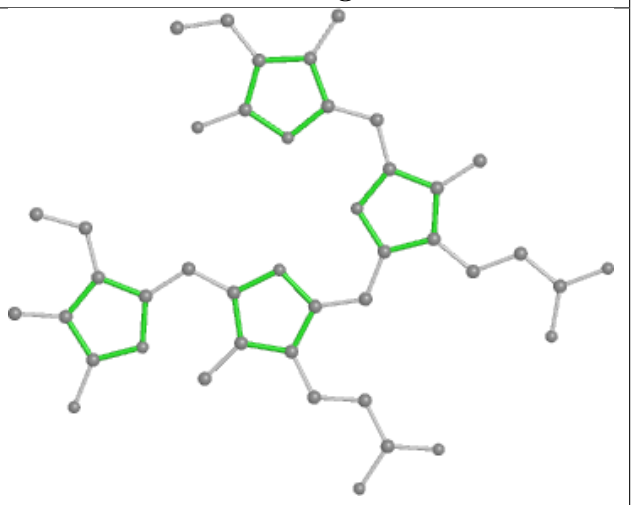

Rings

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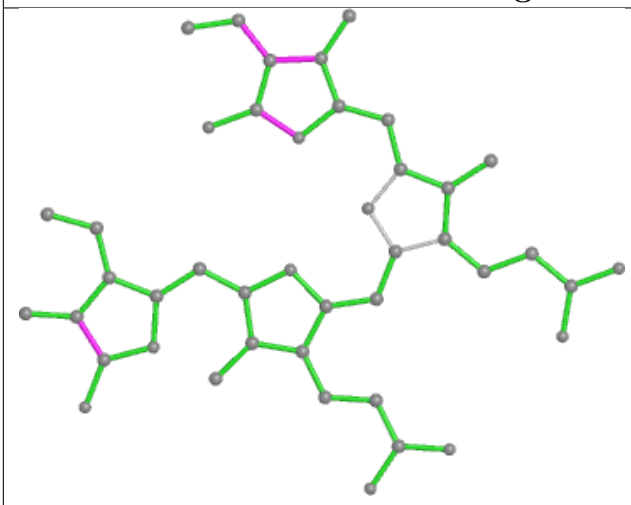

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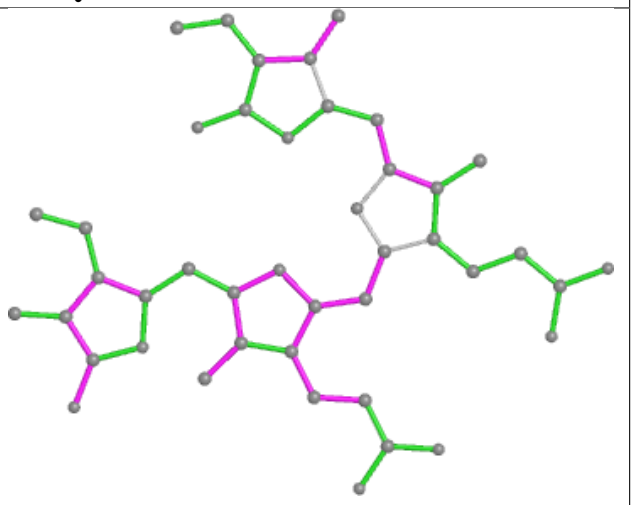

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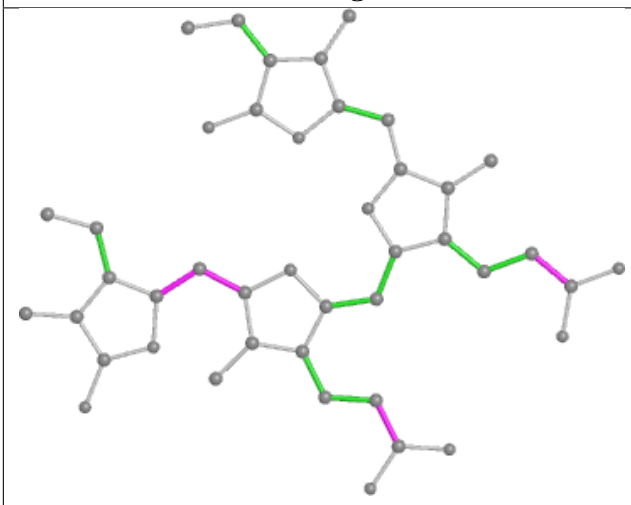

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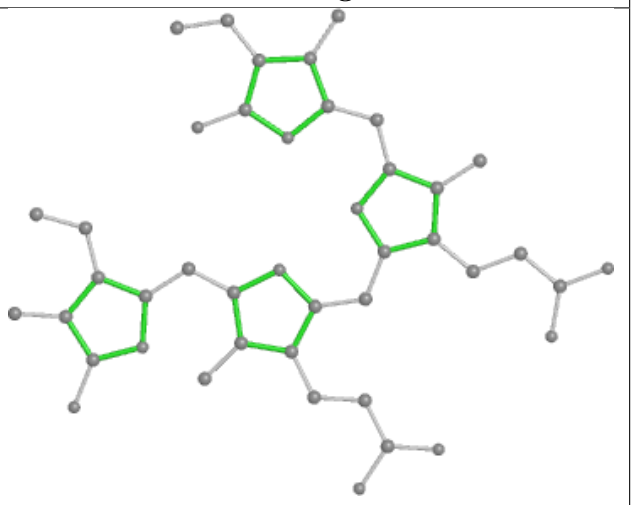

Rings

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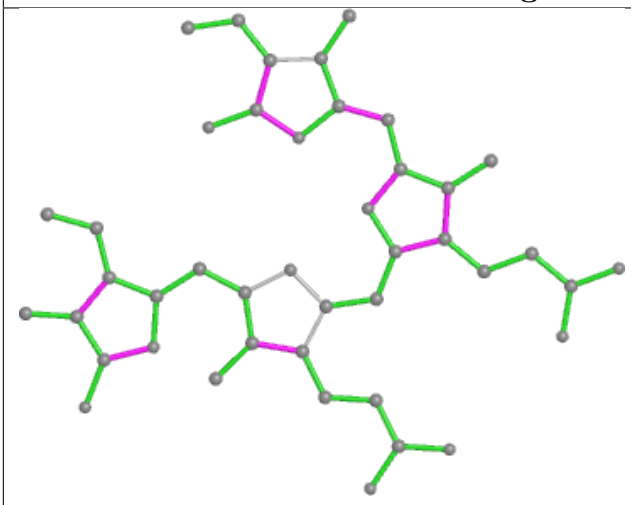

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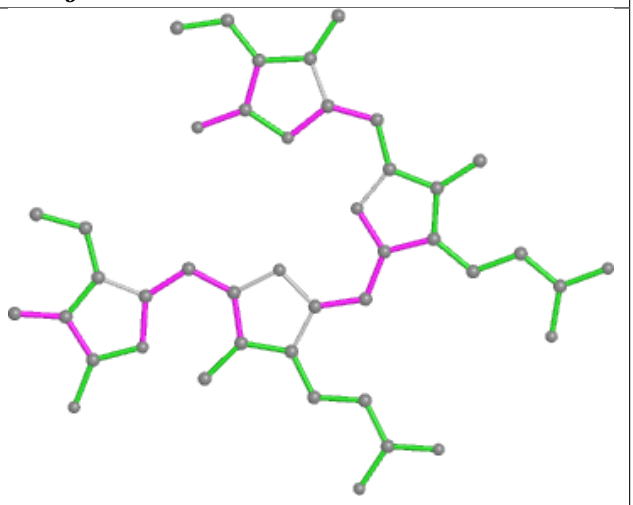

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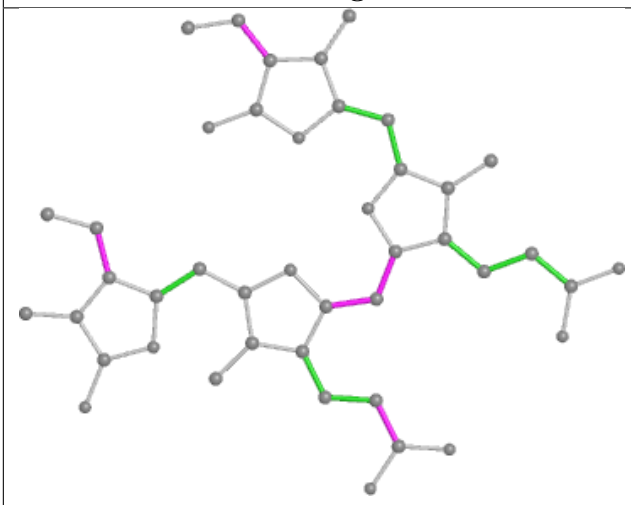

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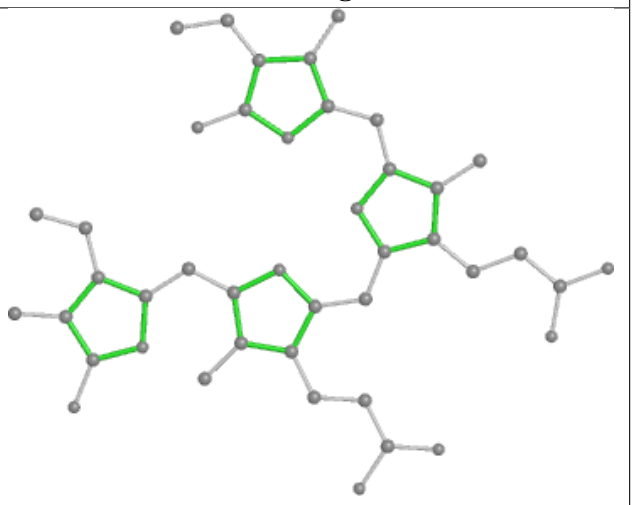

Rings

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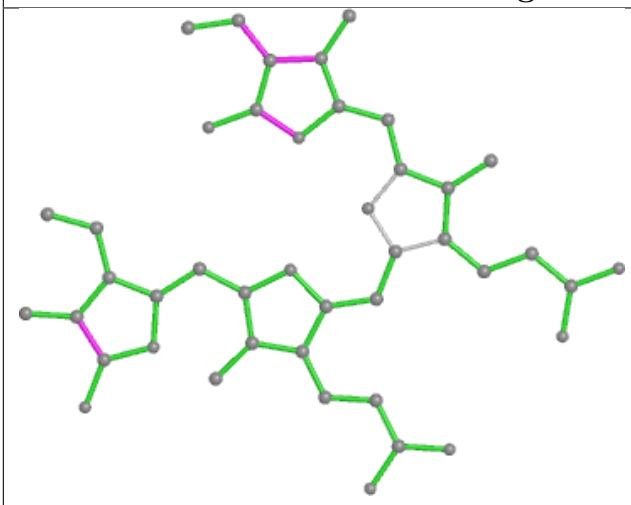

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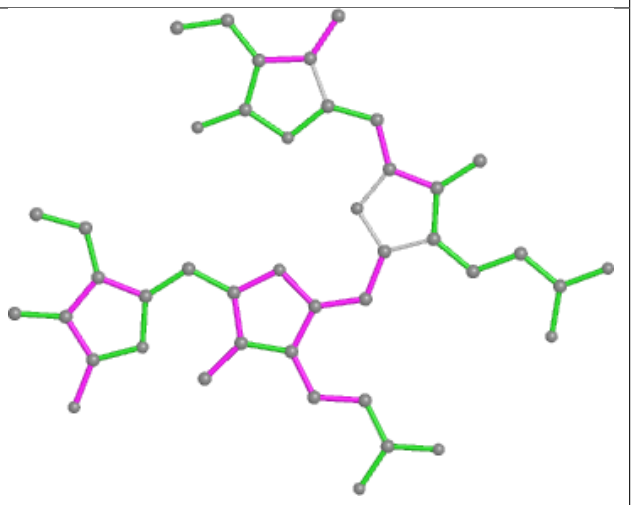

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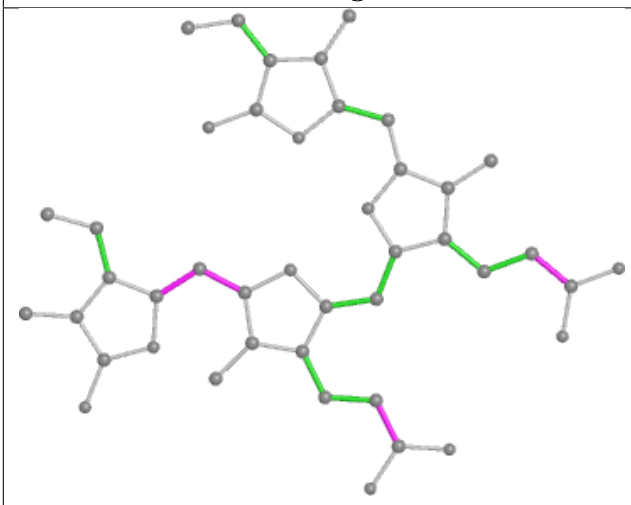

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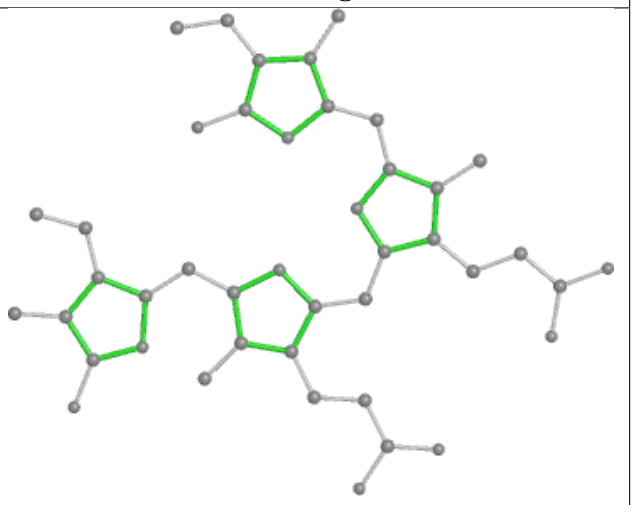

Rings

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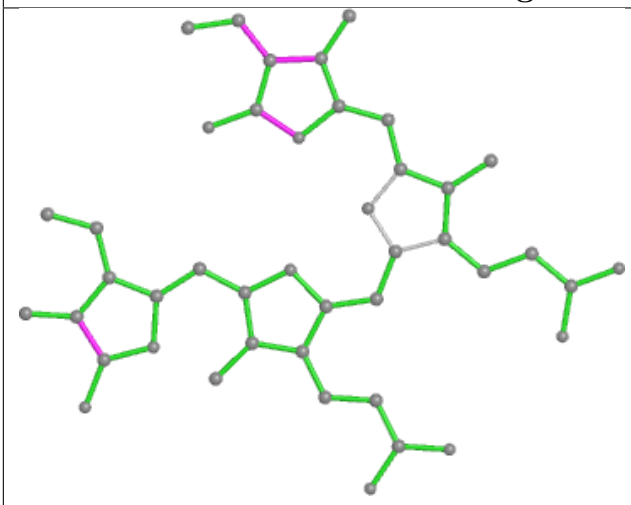

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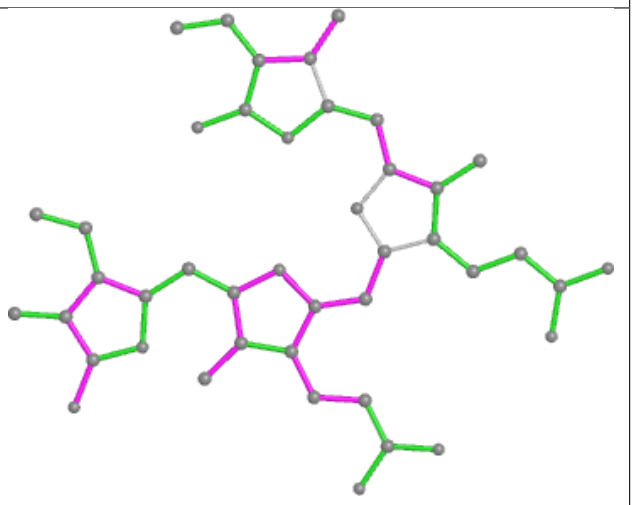

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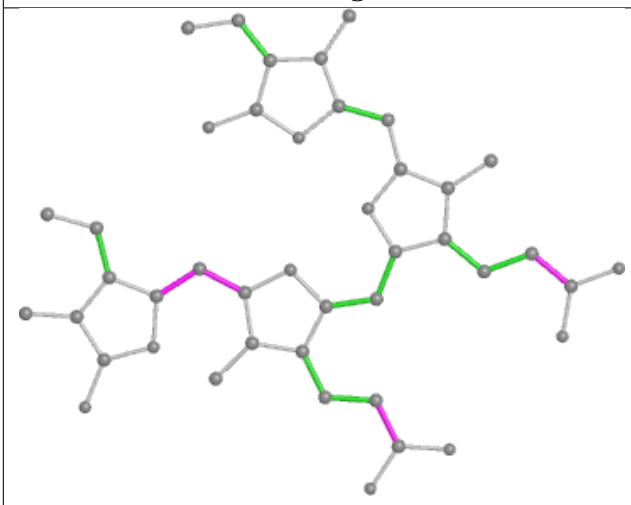

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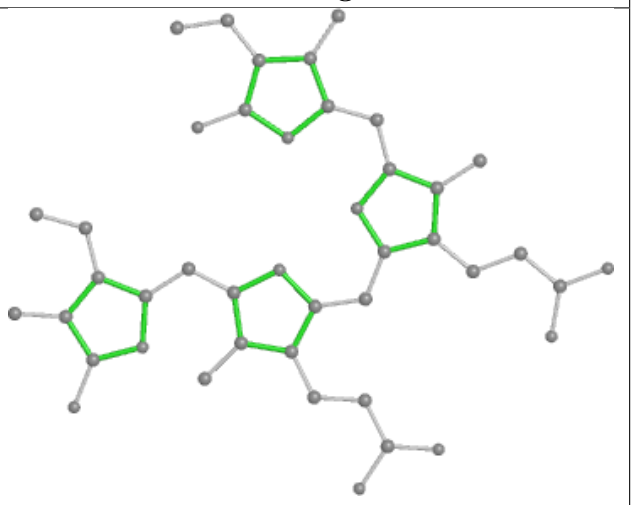
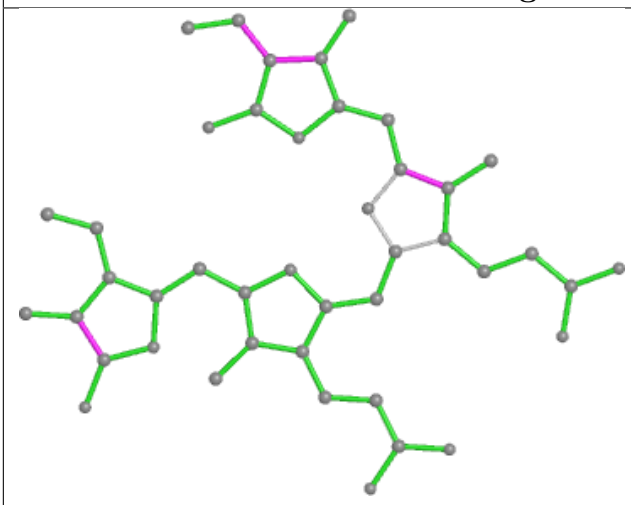


Rings

Ligand PEB gy 302



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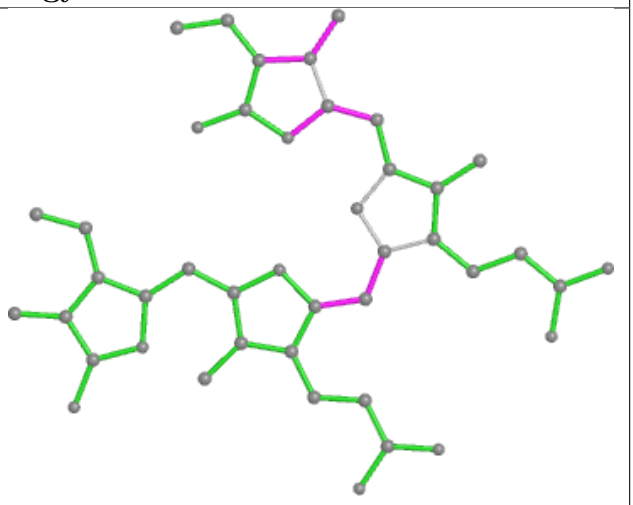

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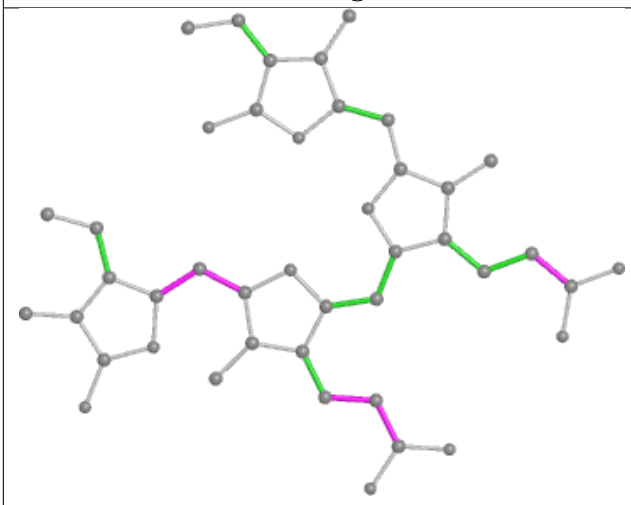

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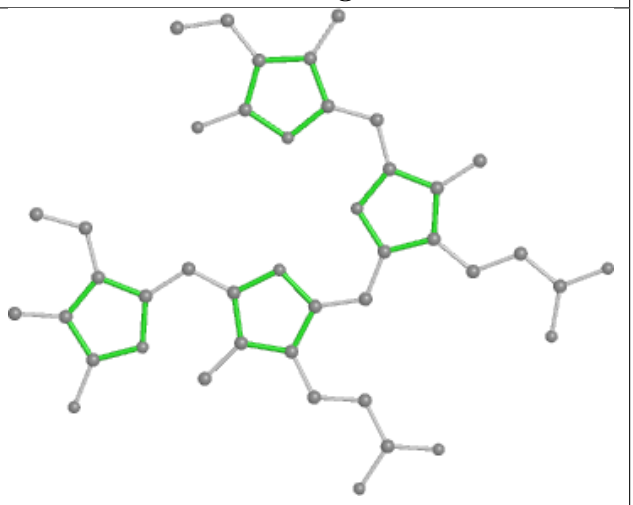
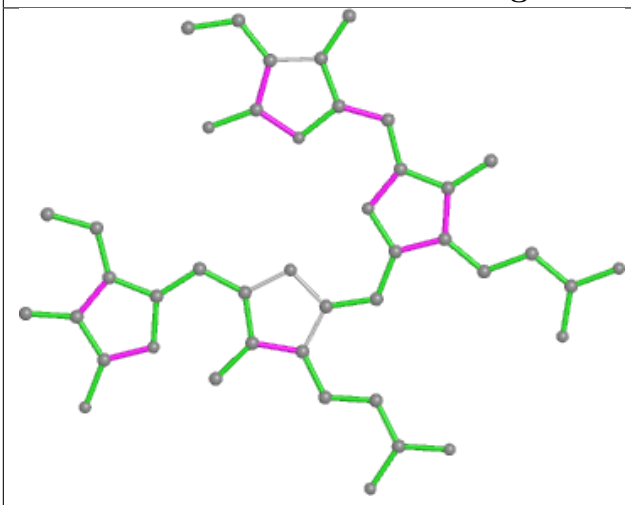


Rings

Ligand PUB iF 1003



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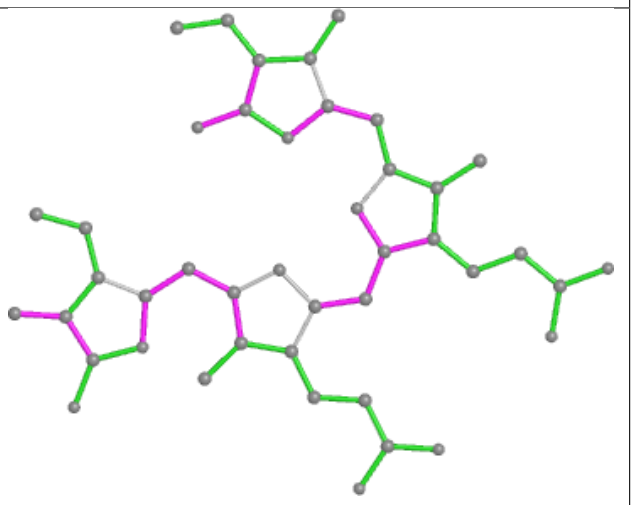

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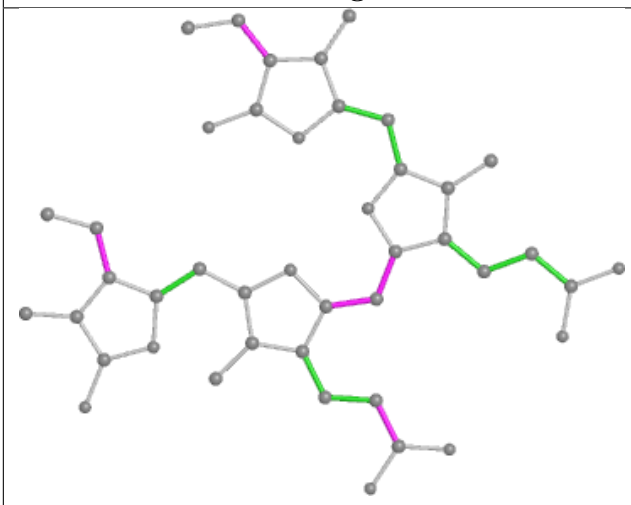

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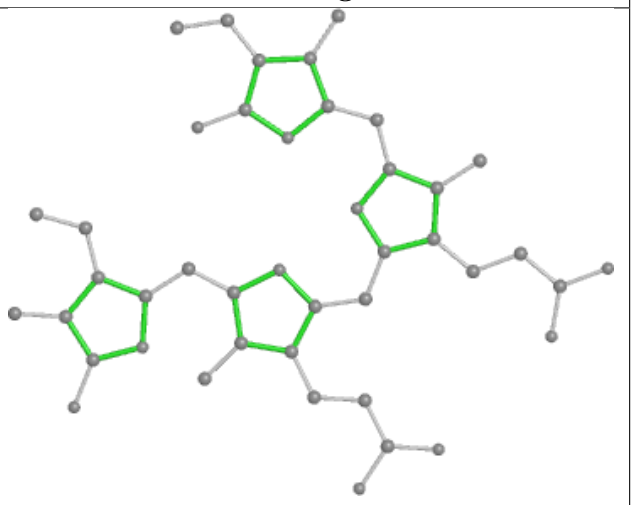
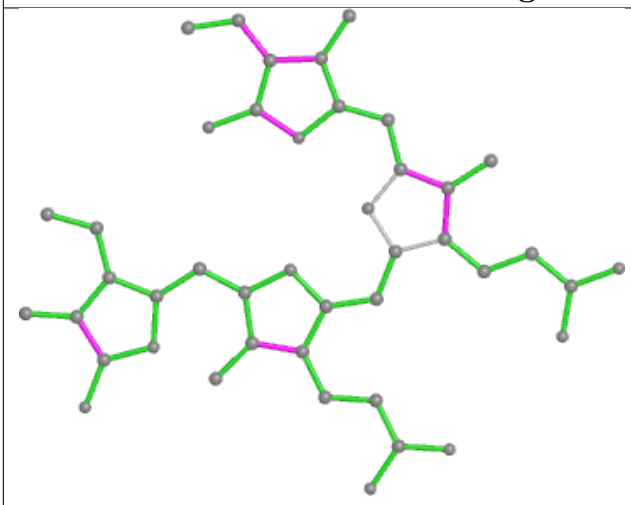


Rings

Ligand PEB bJ 202



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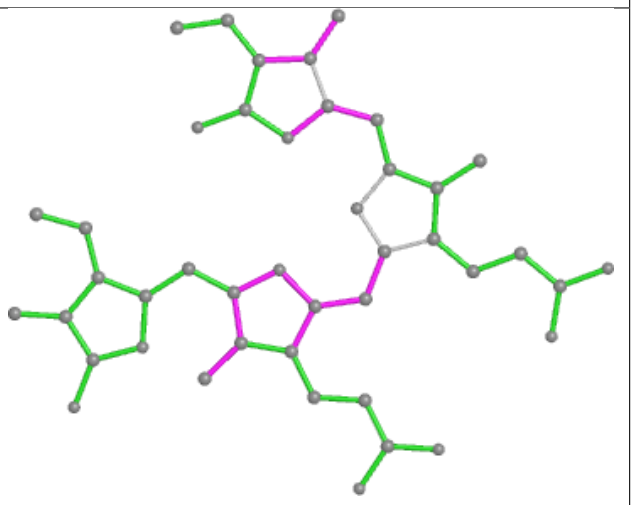

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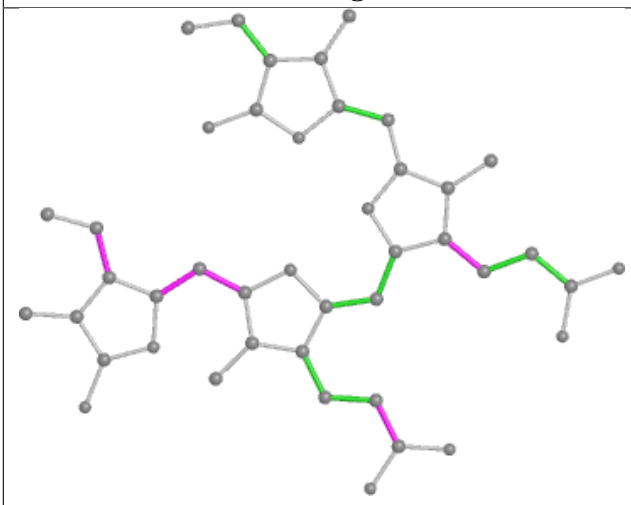

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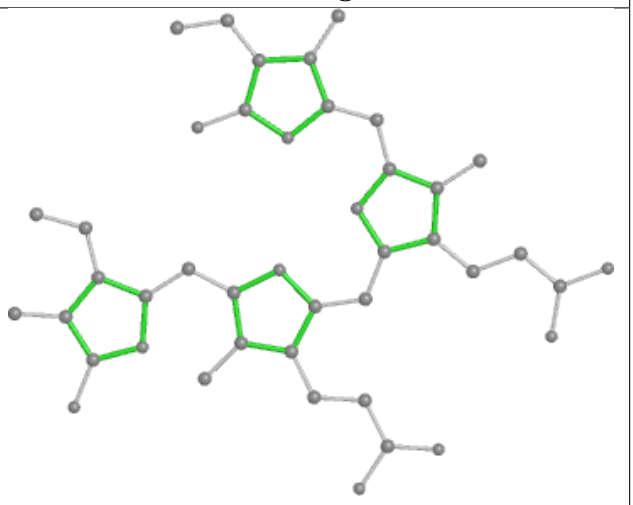
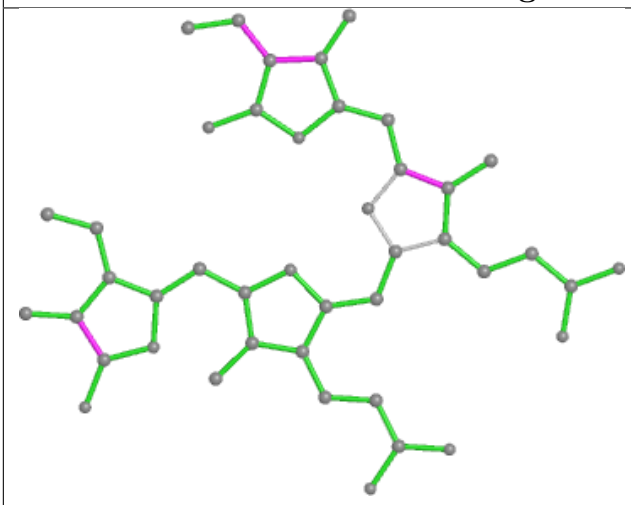


Rings

Ligand PEB S9 202



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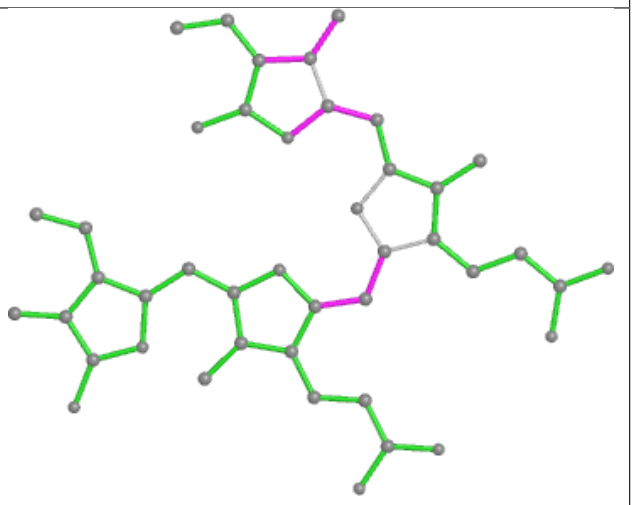
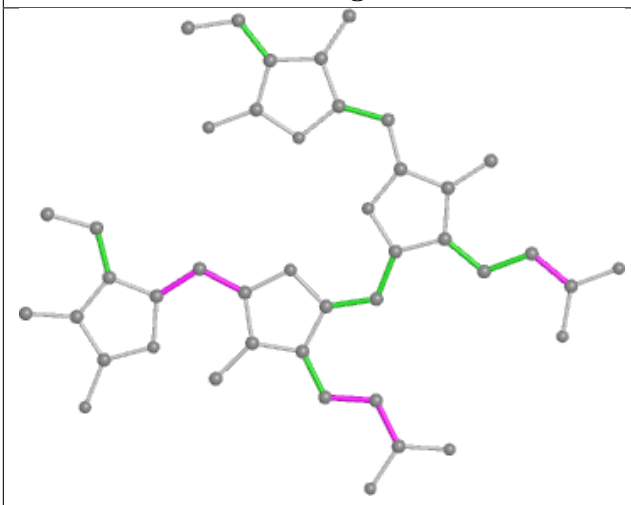
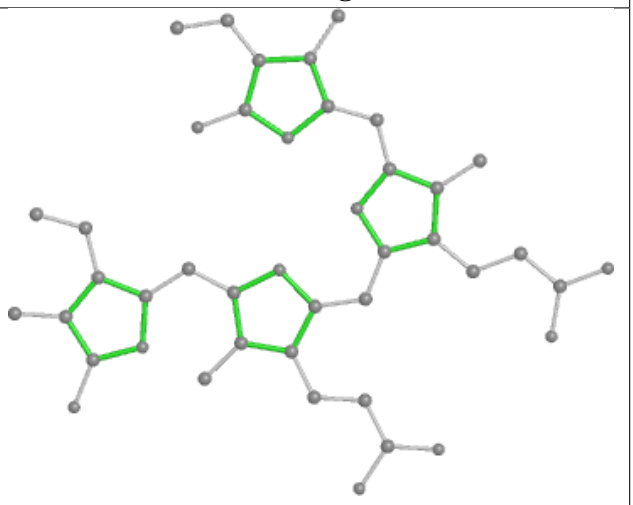


Bond angles

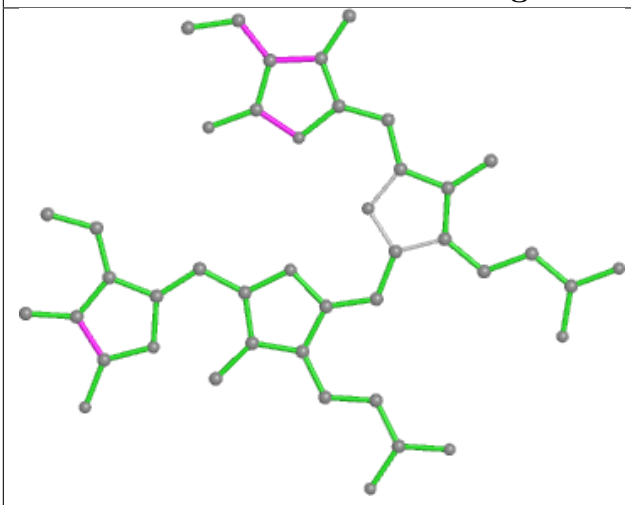


Torsions



Rings

Ligand PEB 34 1003



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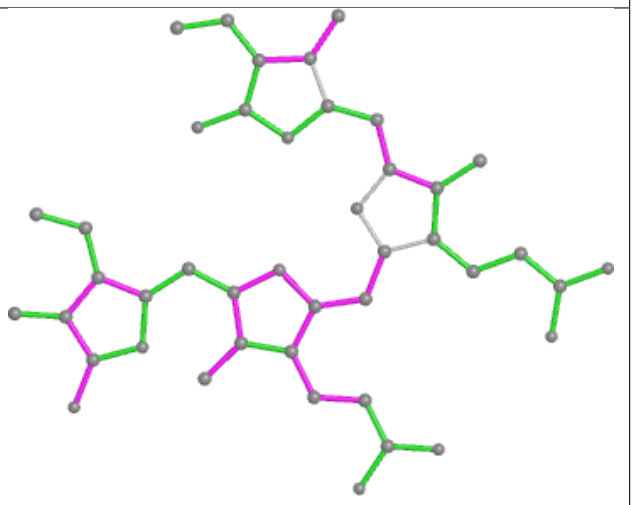

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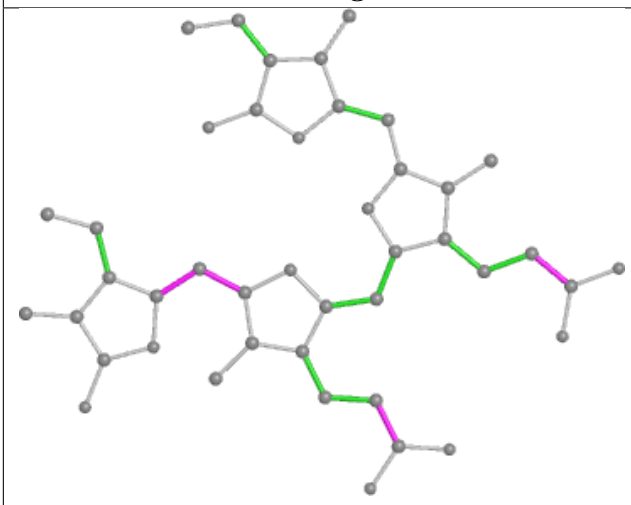

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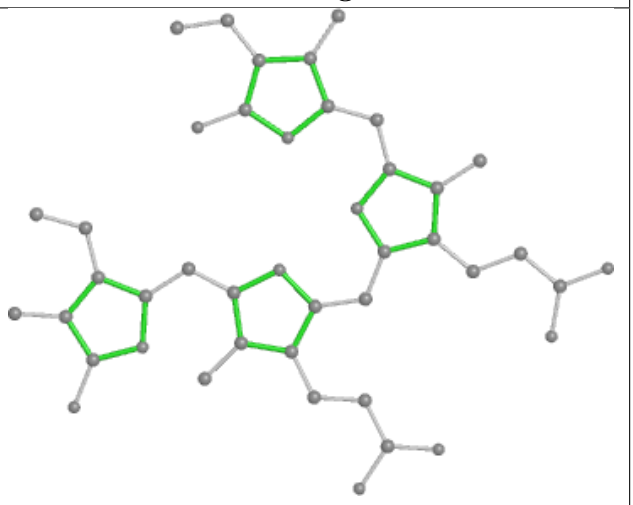
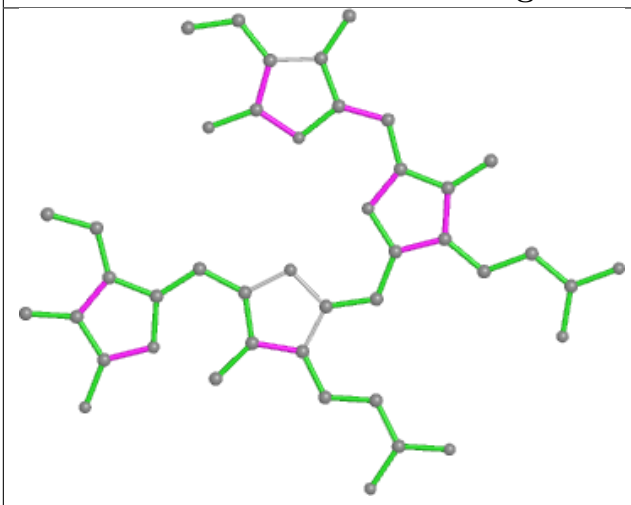


Rings

Ligand PUB p9 203



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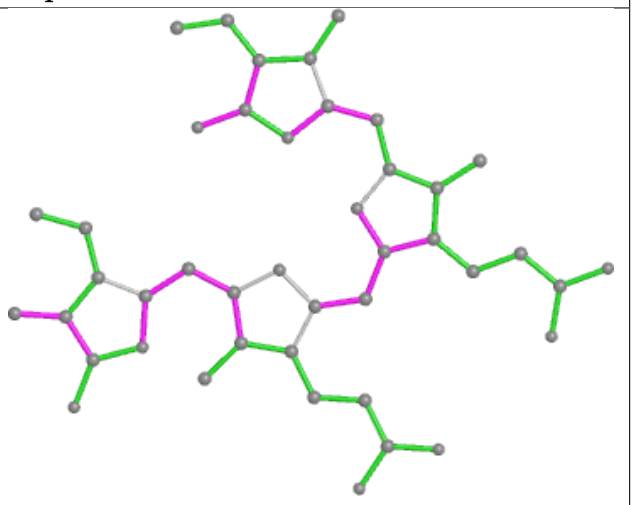

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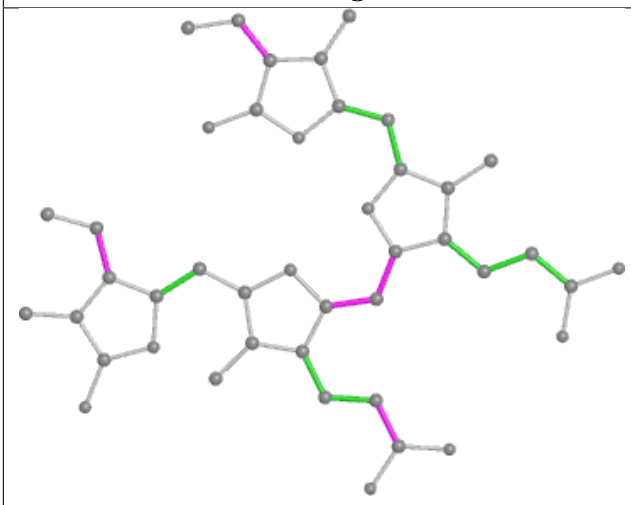

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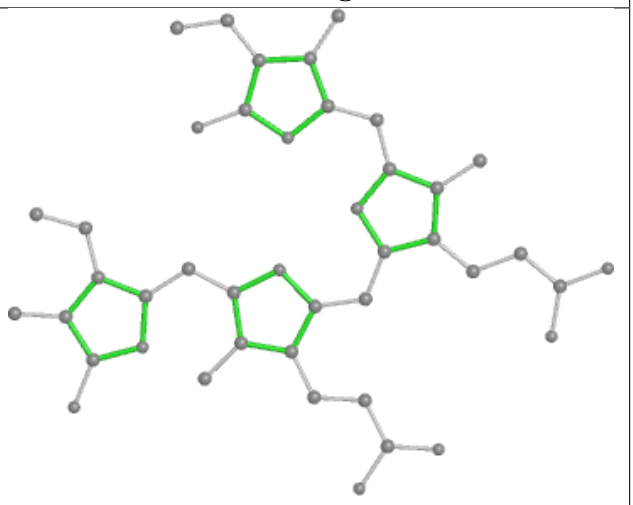
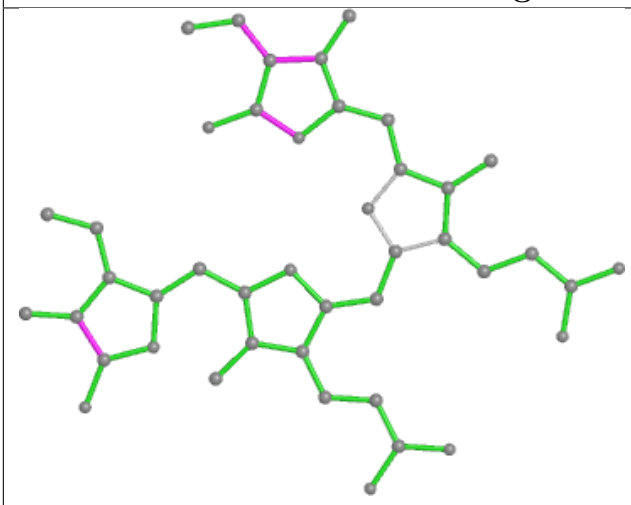


Rings

Ligand PEB m6 202



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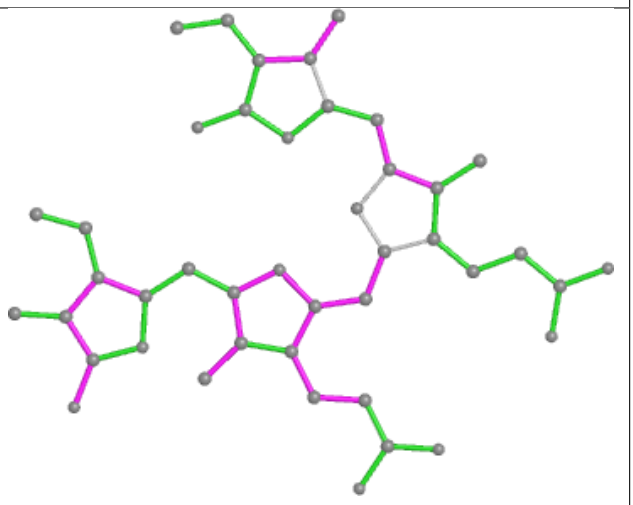
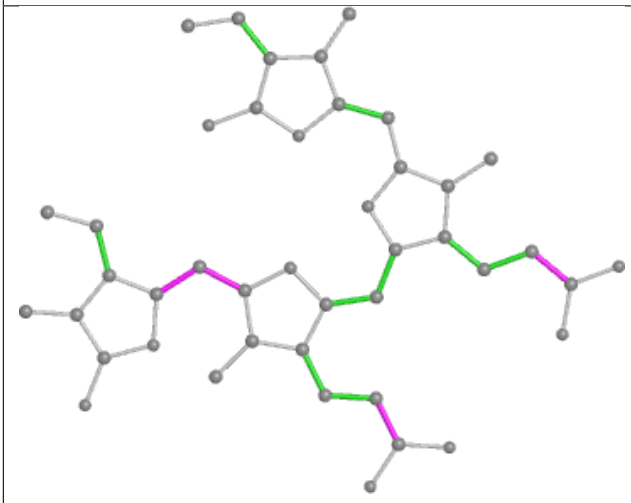


Bond angles



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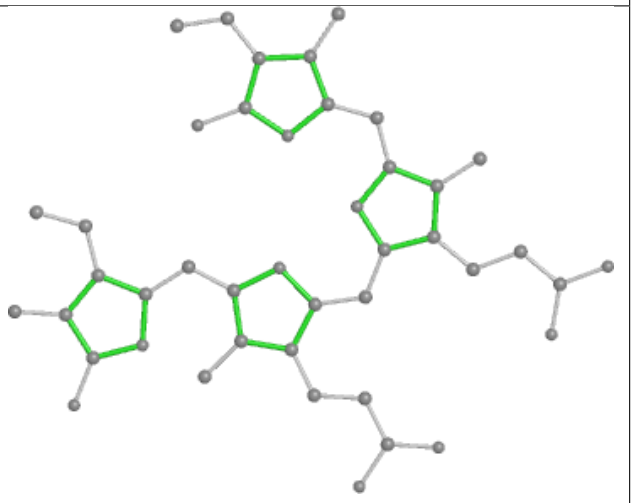
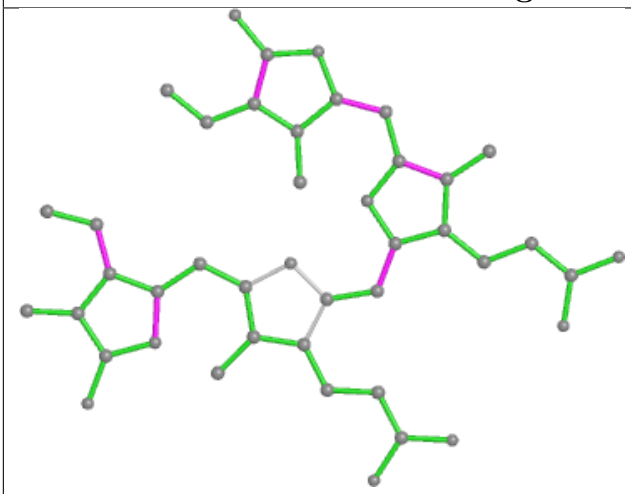


Rings

Ligand PVN d8 303



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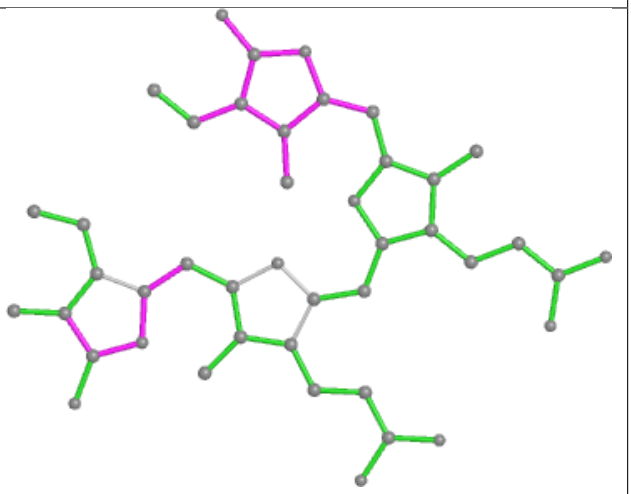

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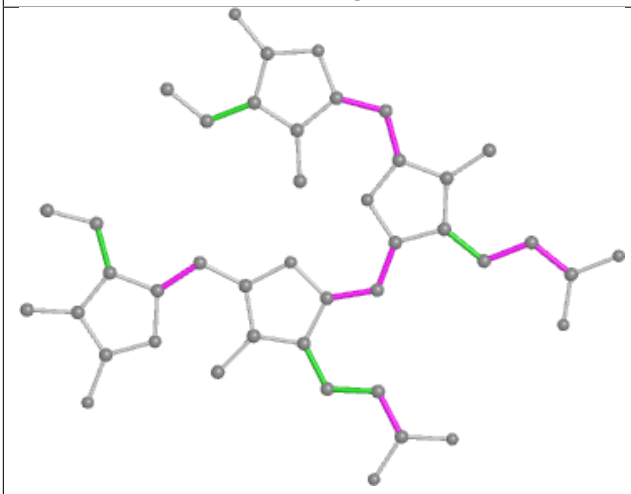

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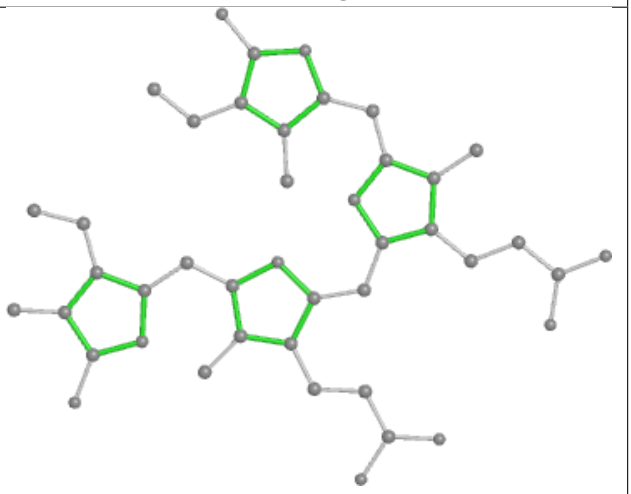
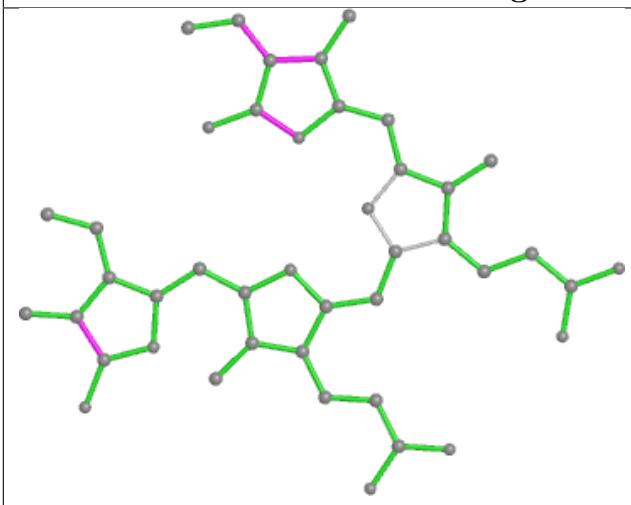


Rings

Ligand PEB W6 201



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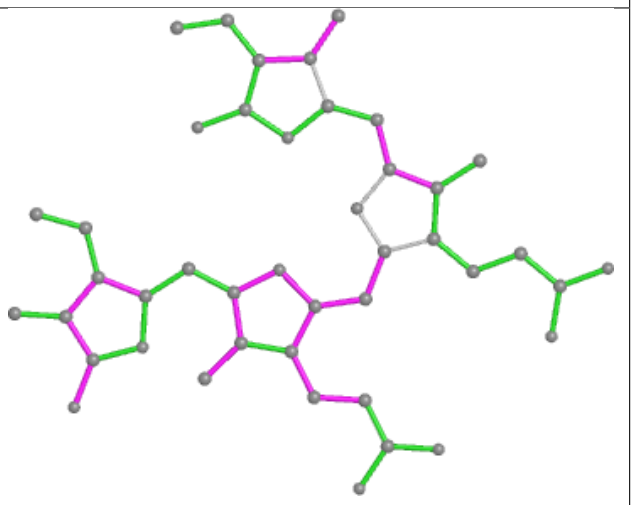

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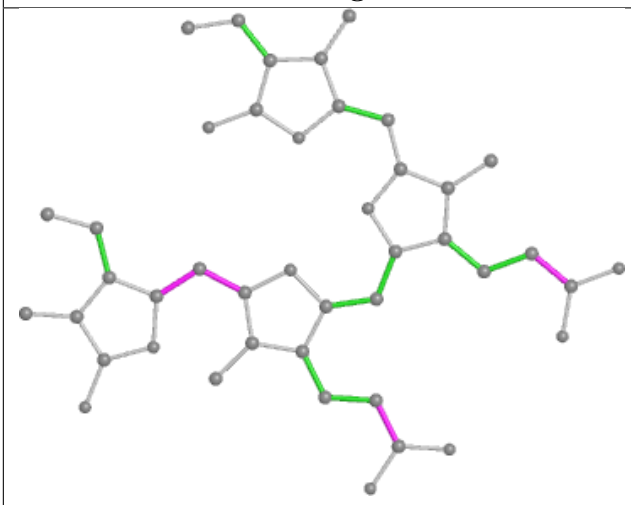

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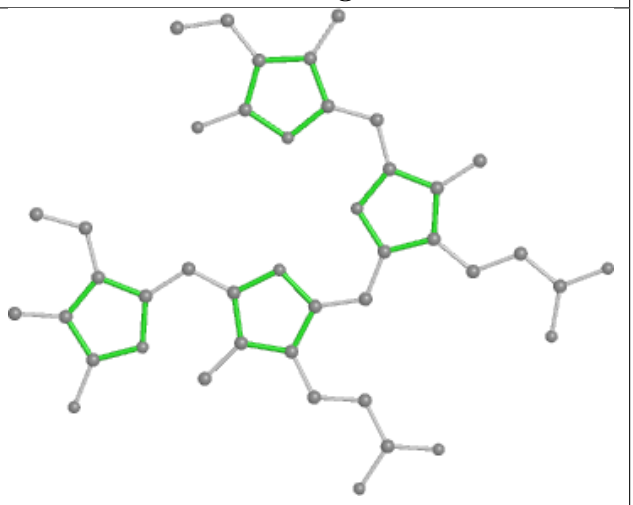
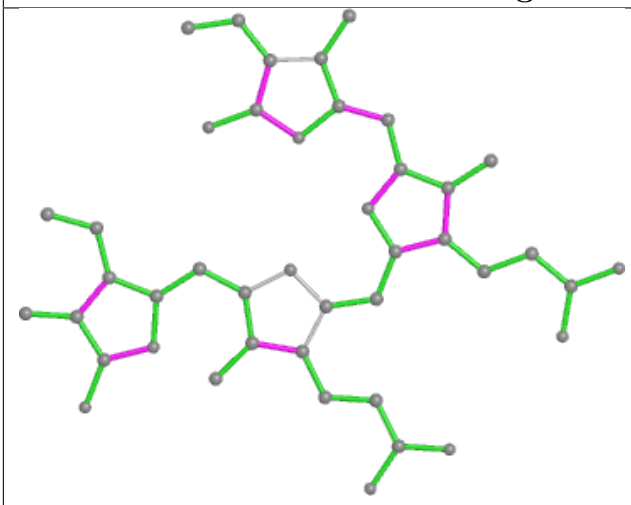


Rings

Ligand PUB L5 203



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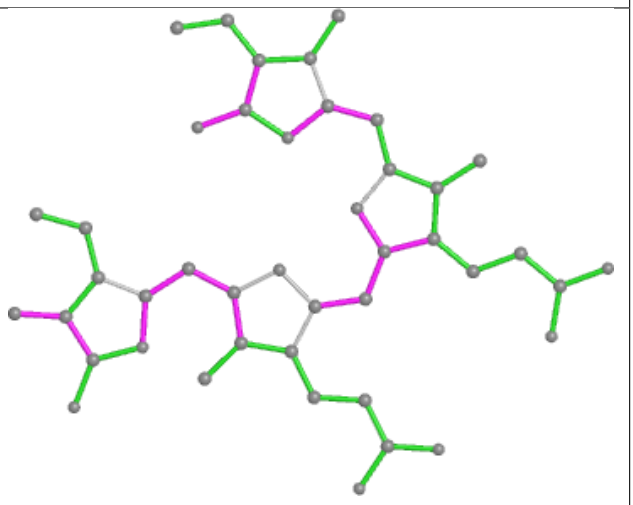

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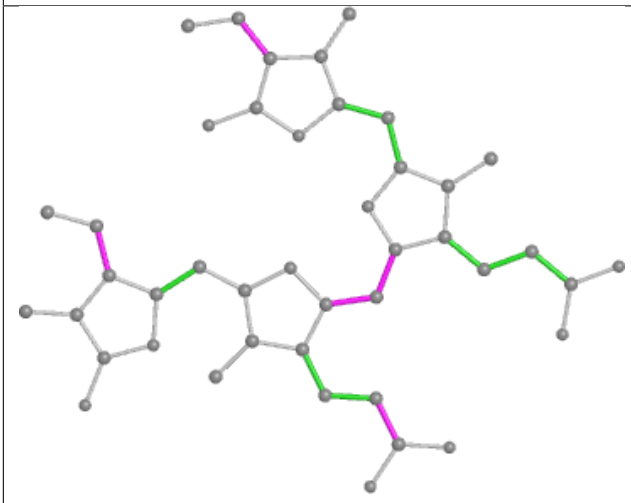

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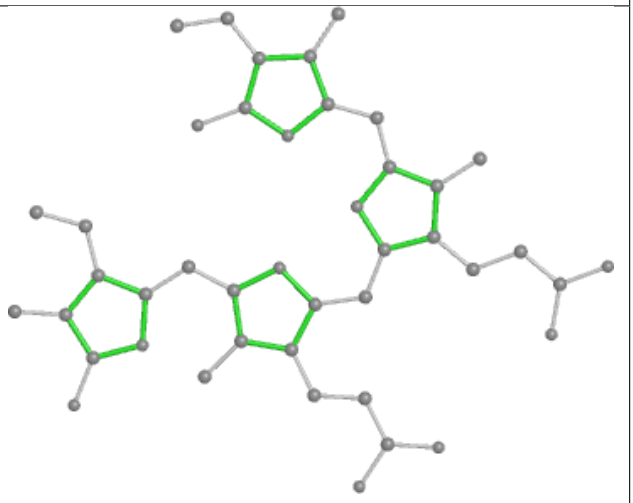

Rings

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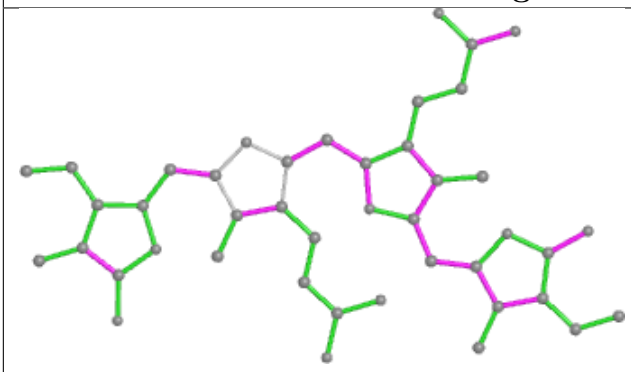

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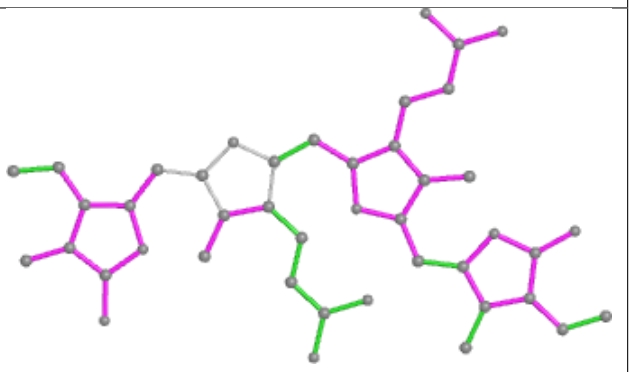

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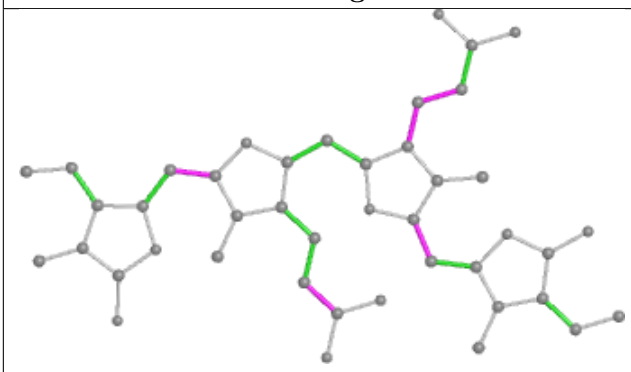

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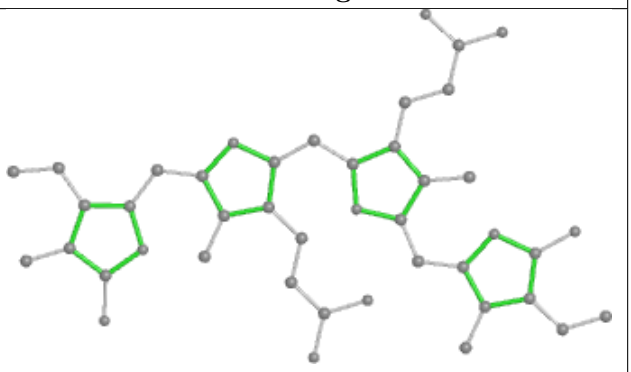
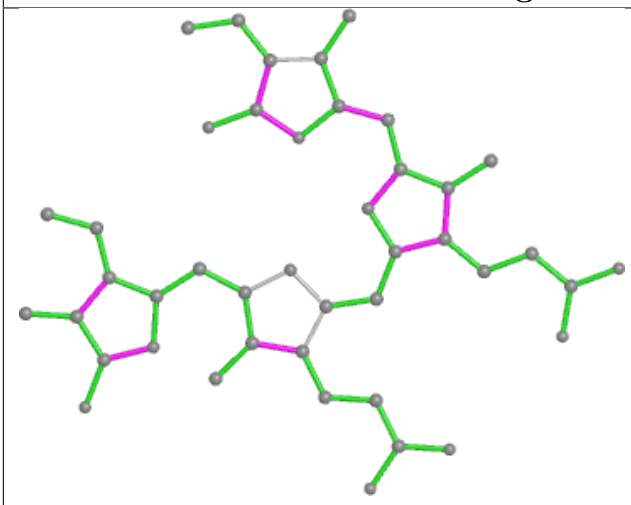


Rings

Ligand PUB dn 203



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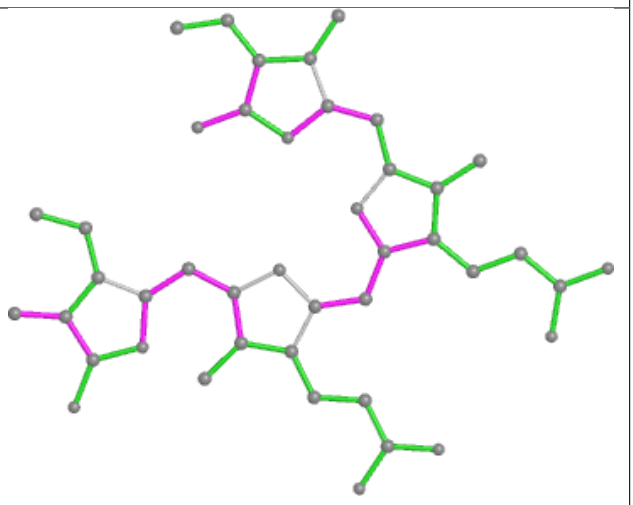
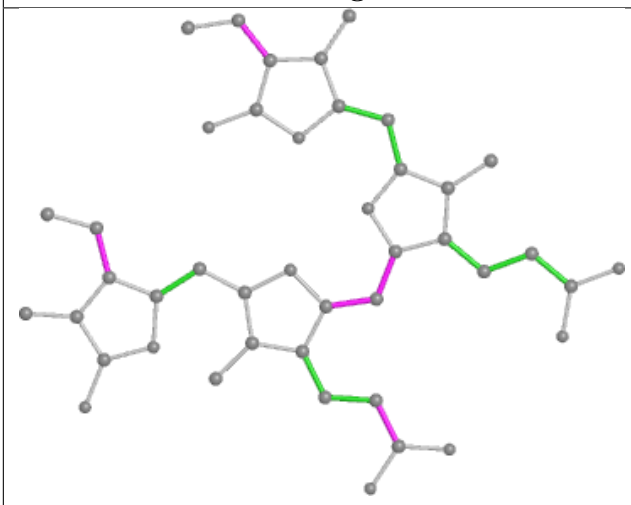


Bond angles



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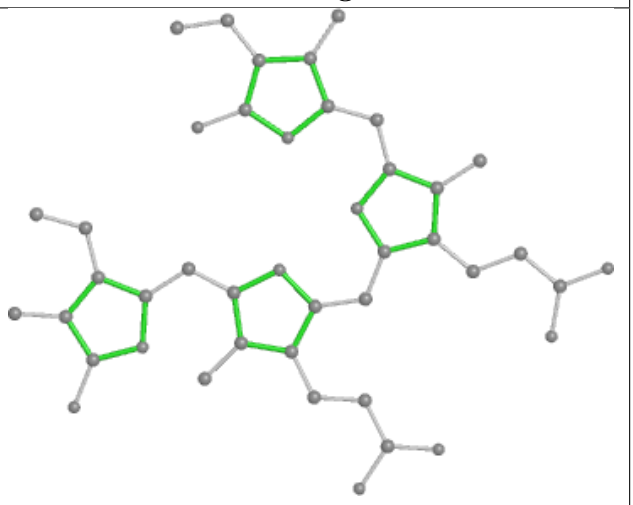
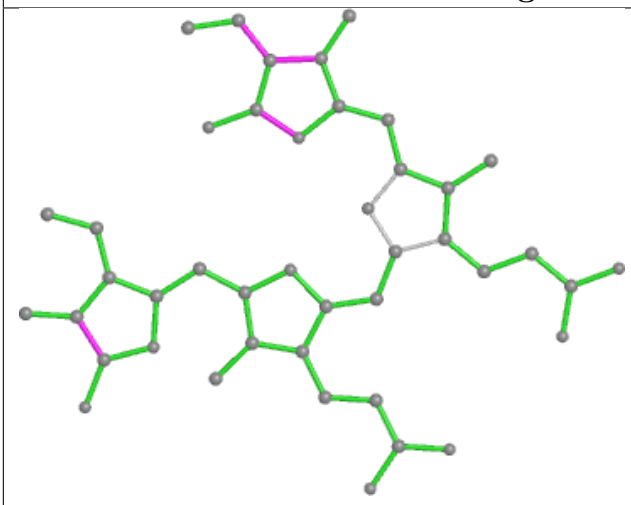


Rings

Ligand PEB Z5 303



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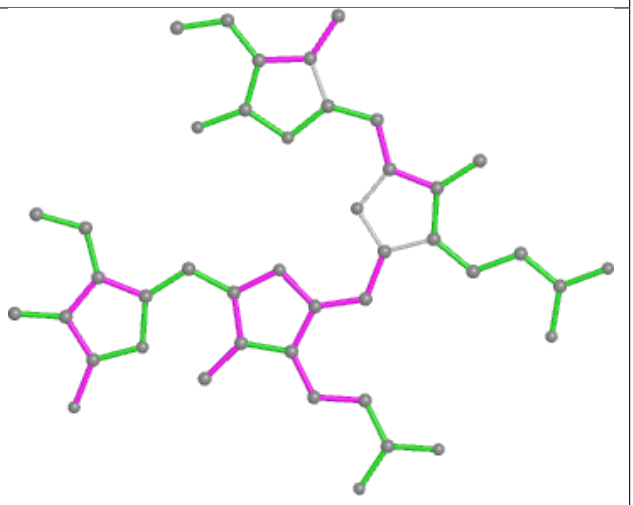

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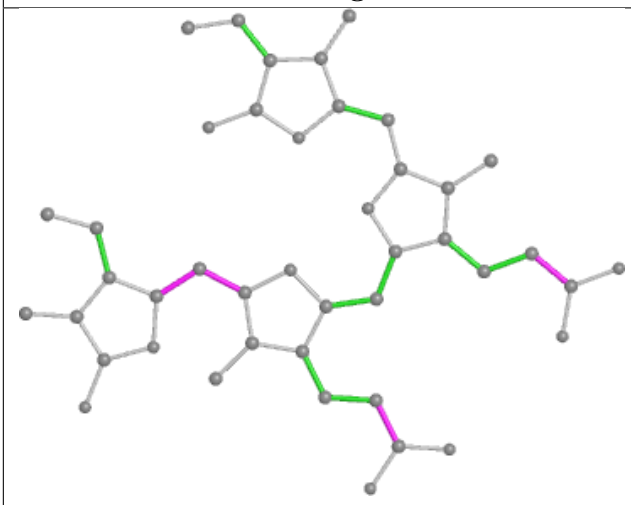

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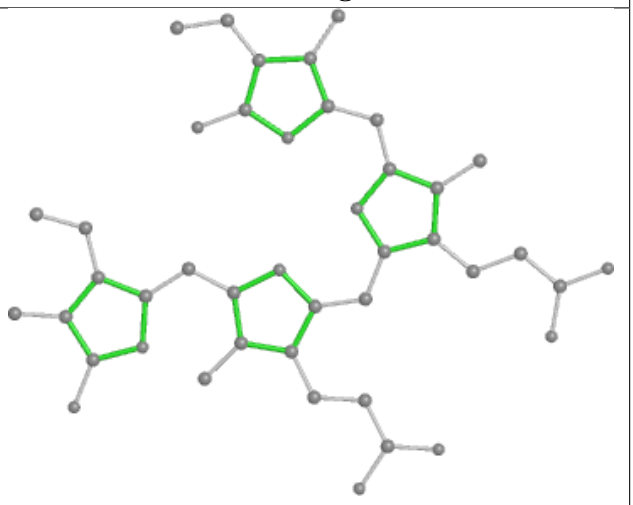
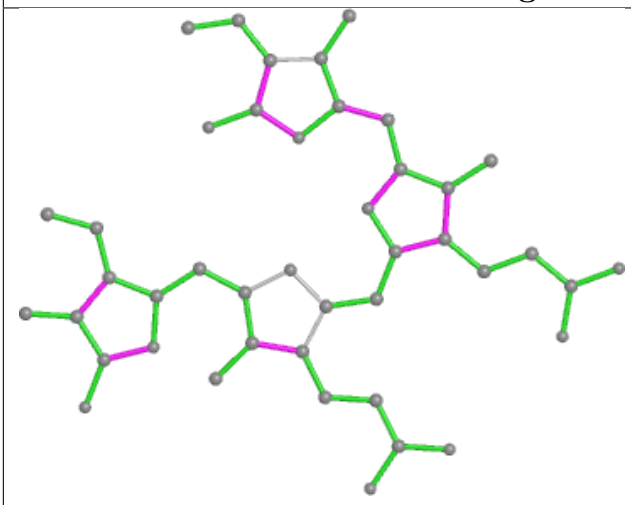


Rings

Ligand PUB z3 203



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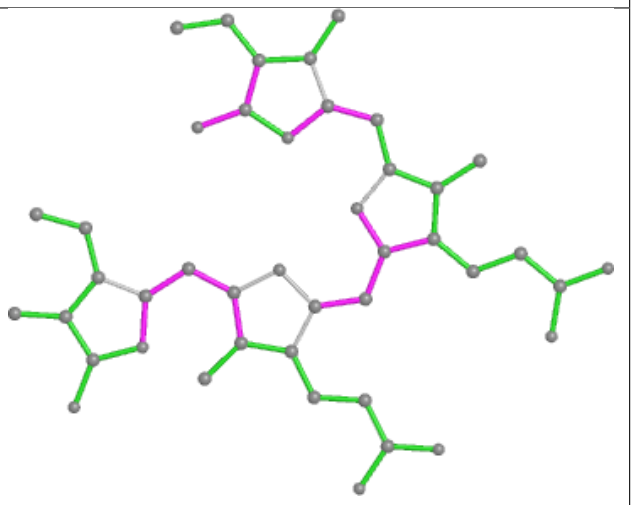
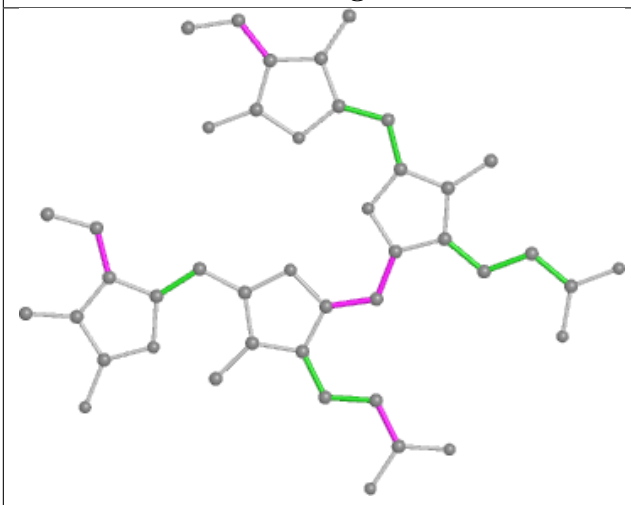


Bond angles



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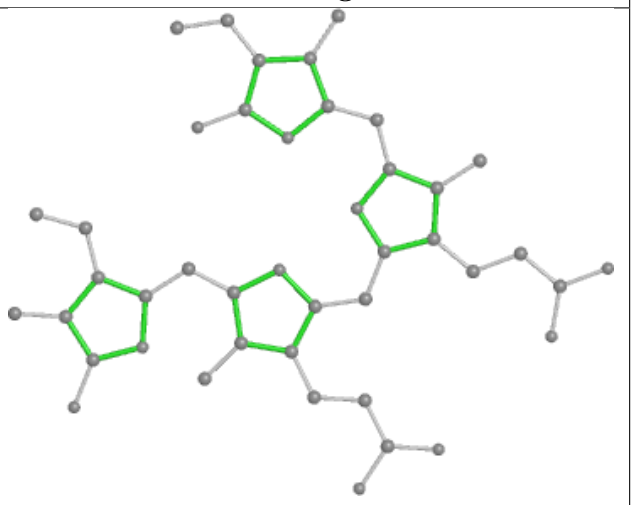
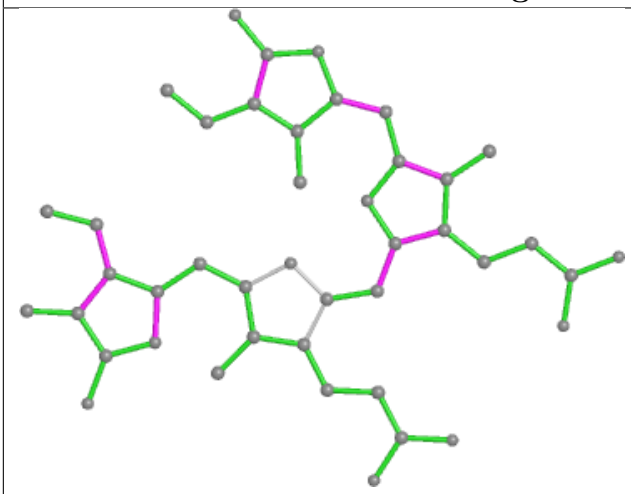


Rings

Ligand PVN dw 404



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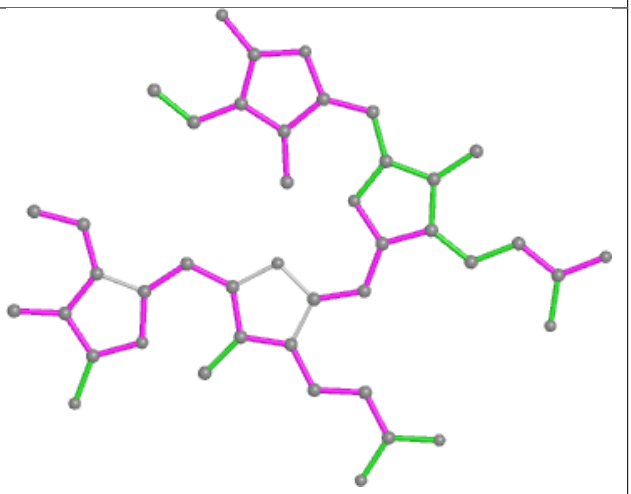
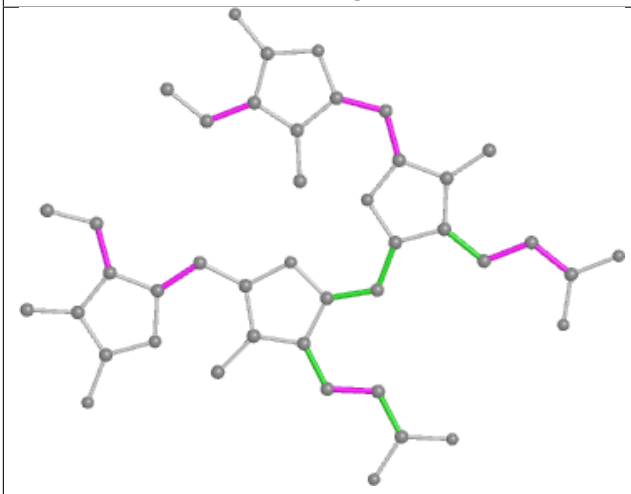


Bond angles



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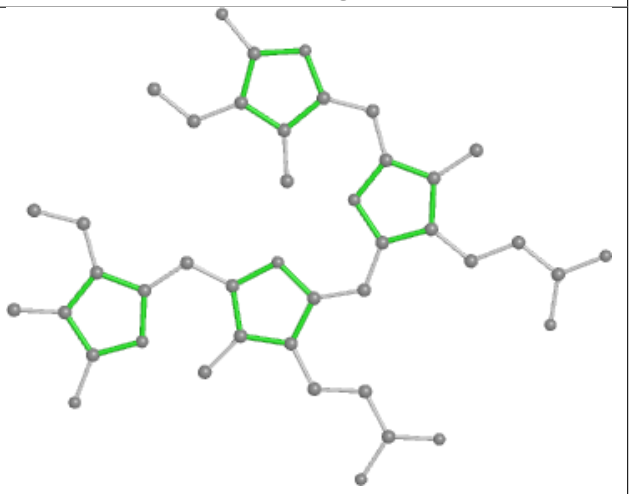
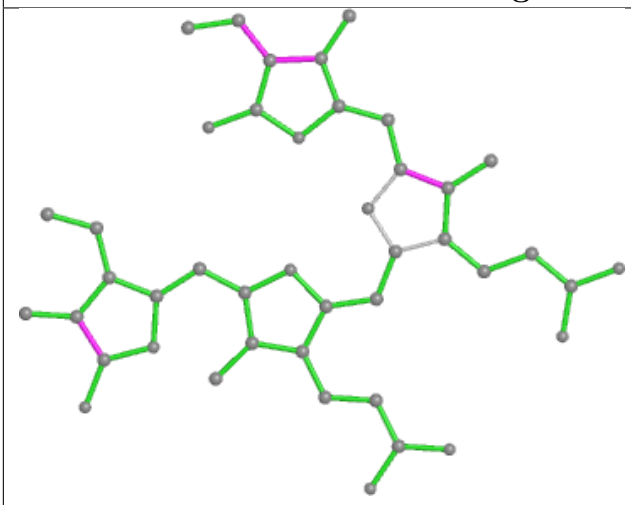


Rings

Ligand PEB iF 1002



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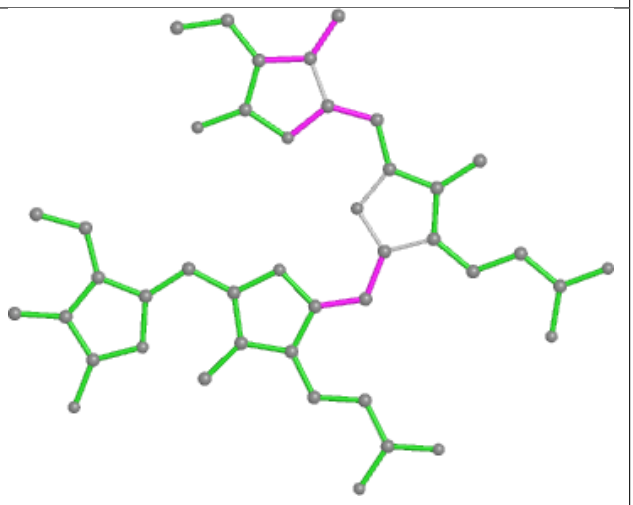
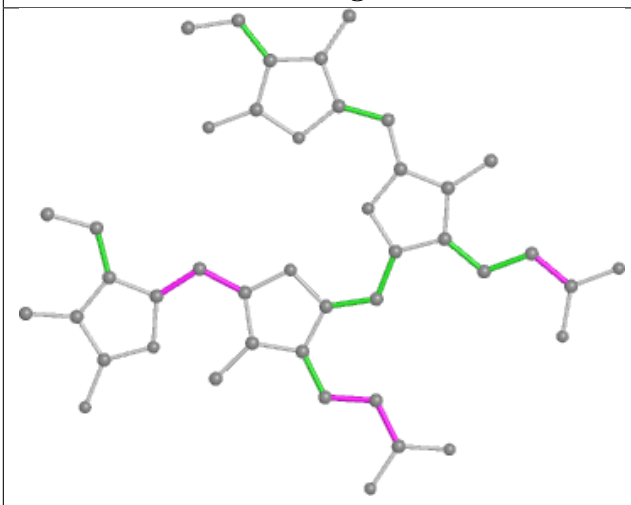


Bond angles



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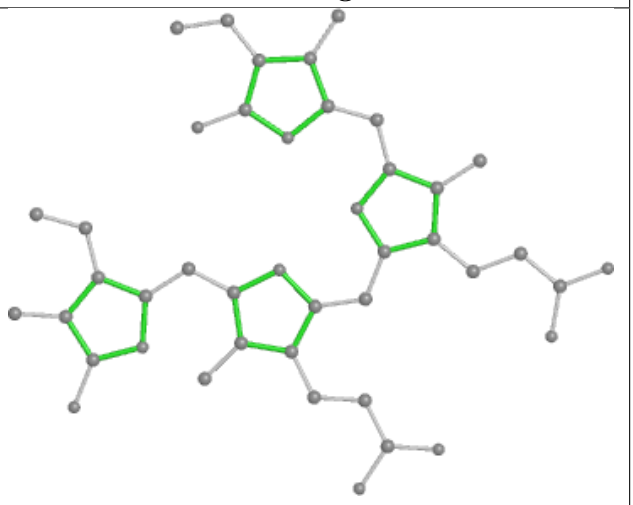
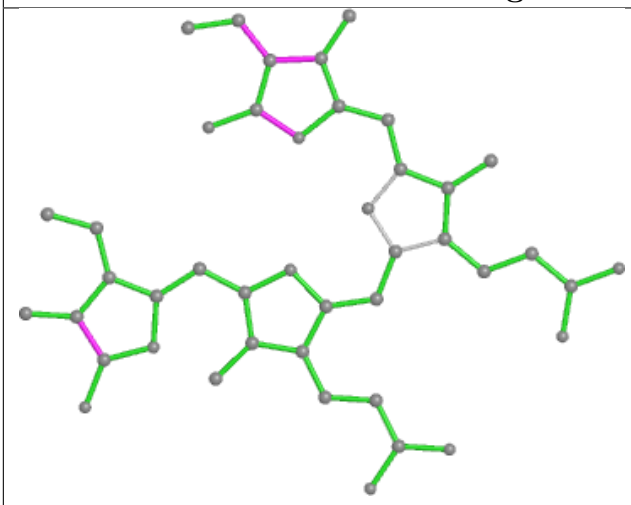


Rings

Ligand PEB Y5 1003



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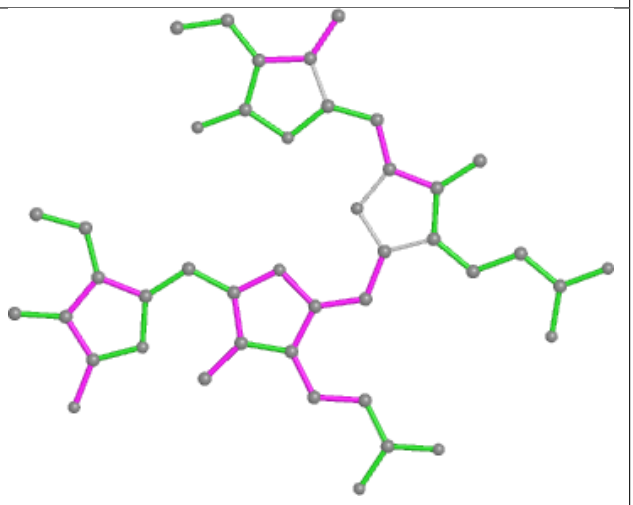
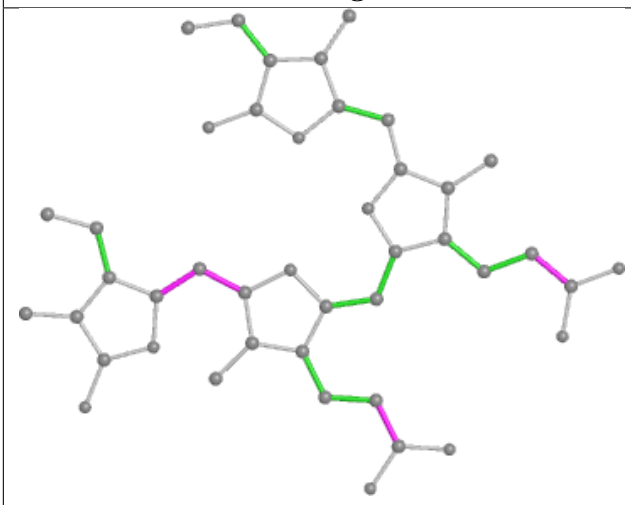
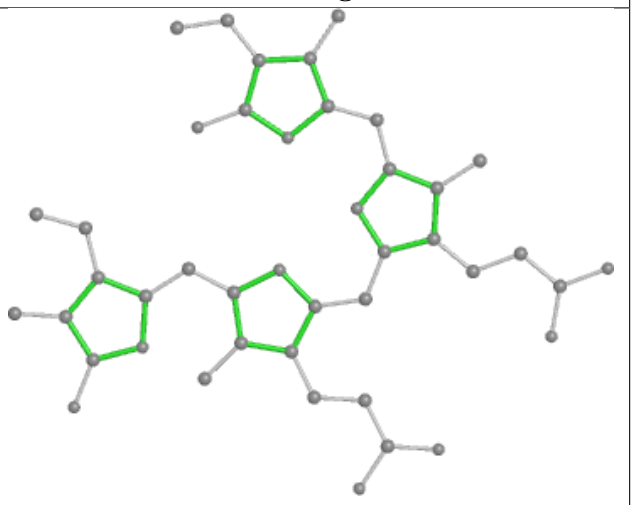


Bond angles

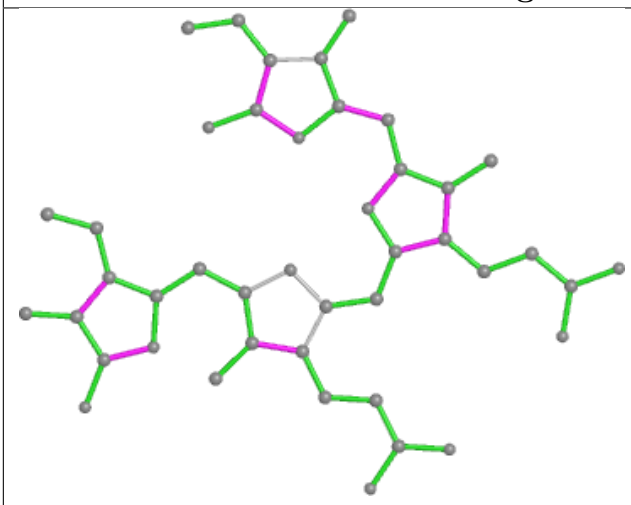


Torsions



Rings

Ligand PUB p5 202



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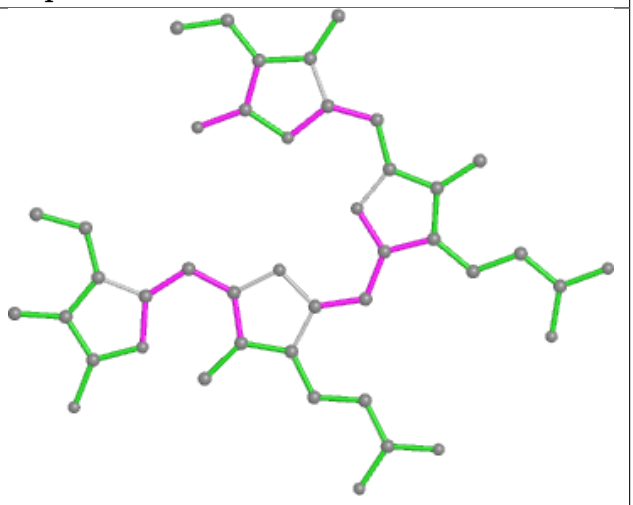

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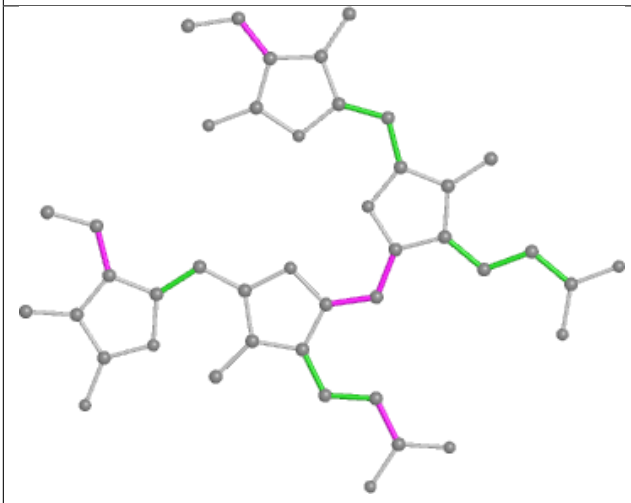

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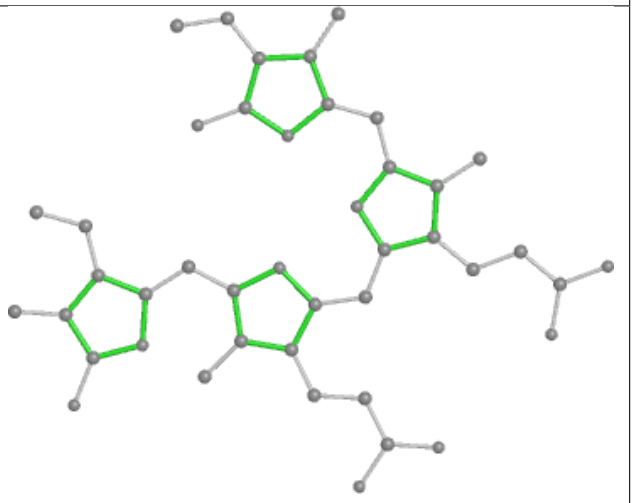
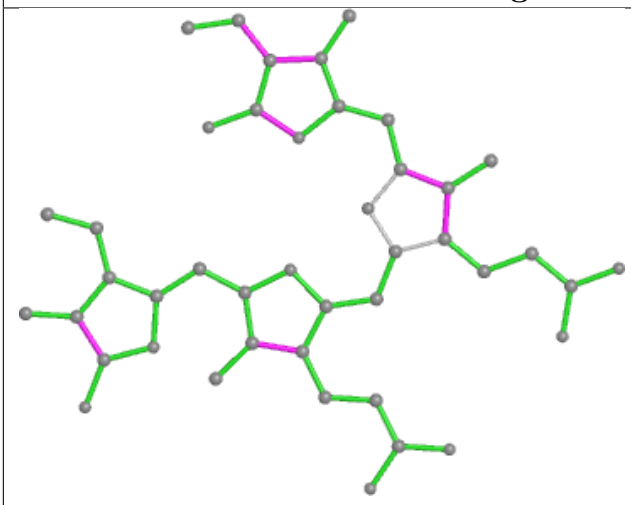


Rings

Ligand PEB 34 1001



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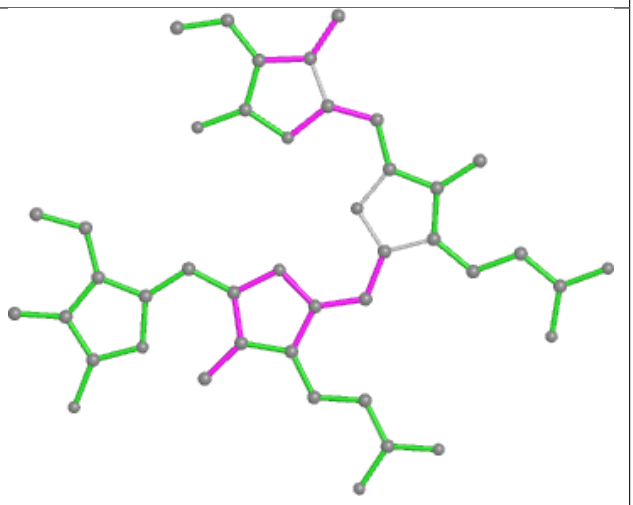

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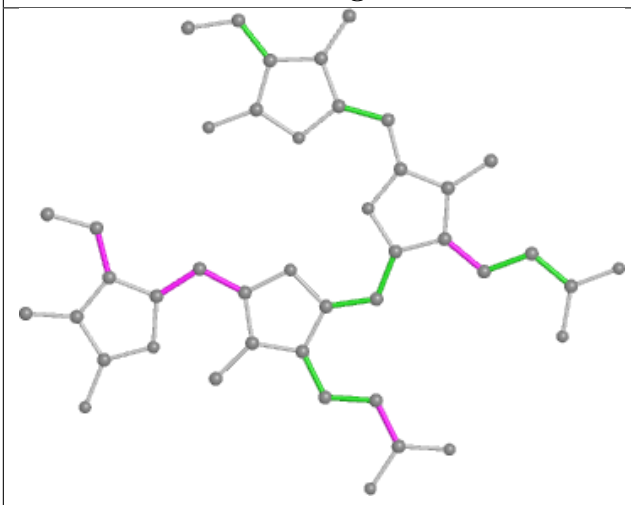

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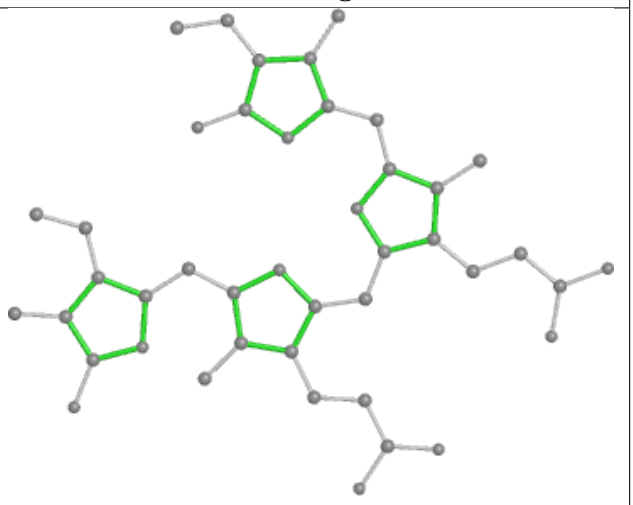
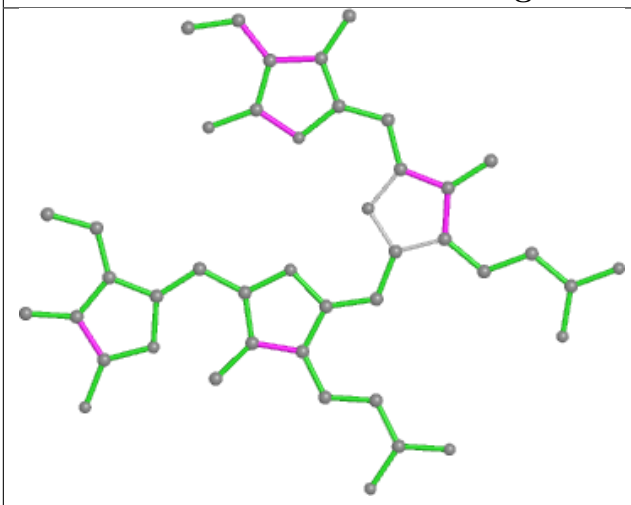


Rings

Ligand PEB N9 202



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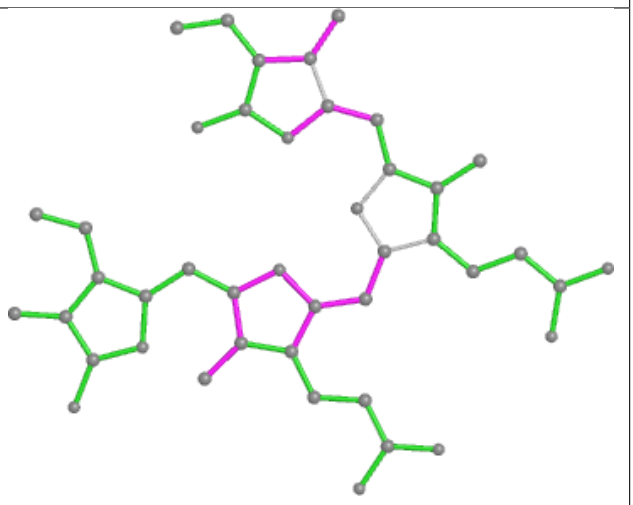

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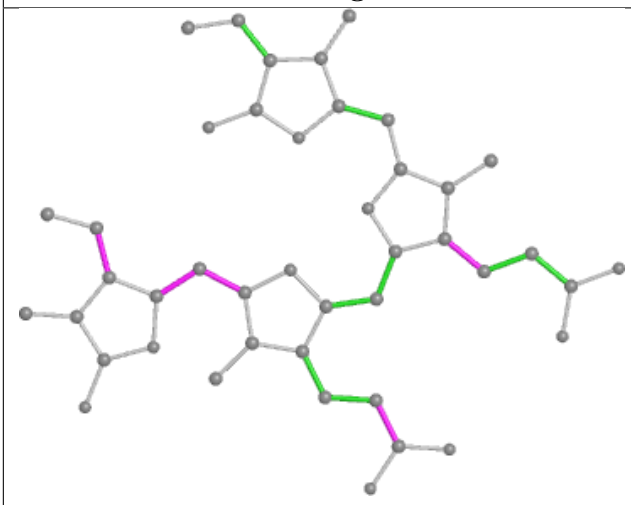

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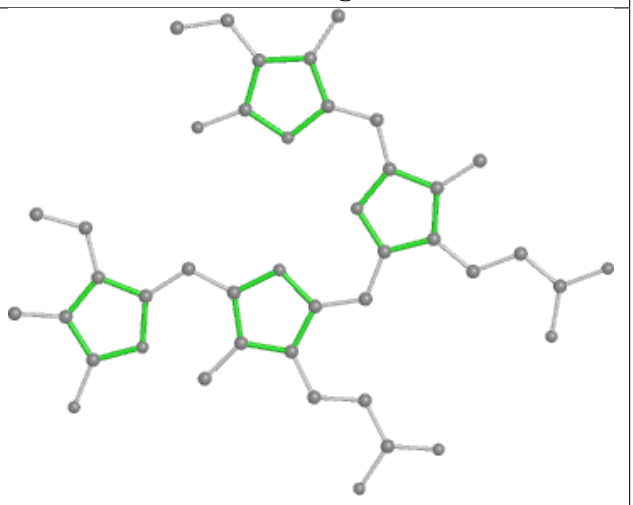
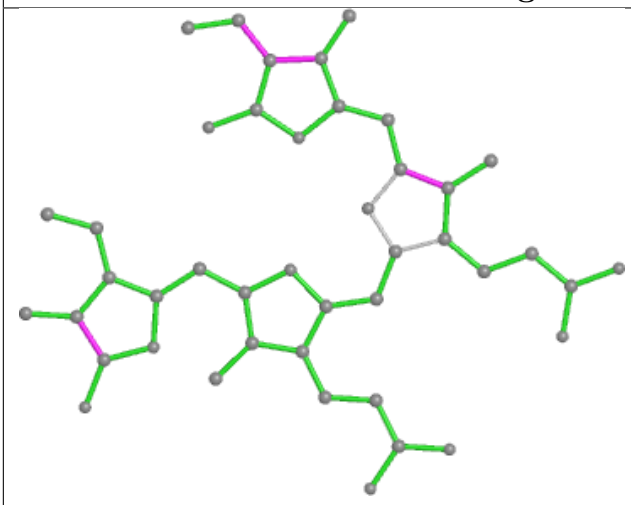


Rings

Ligand PEB hS 202



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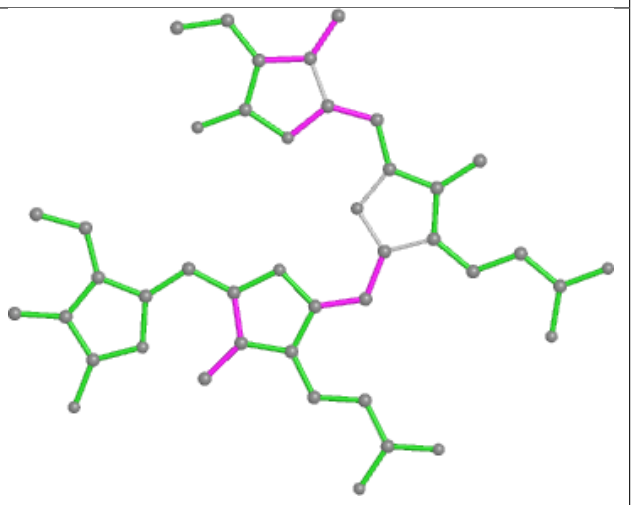

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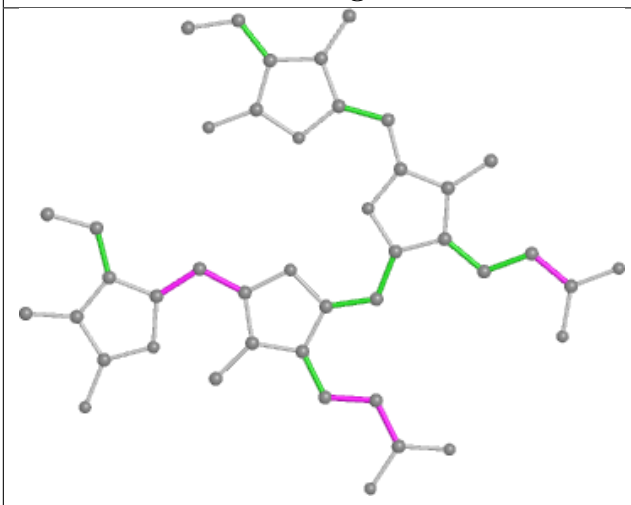

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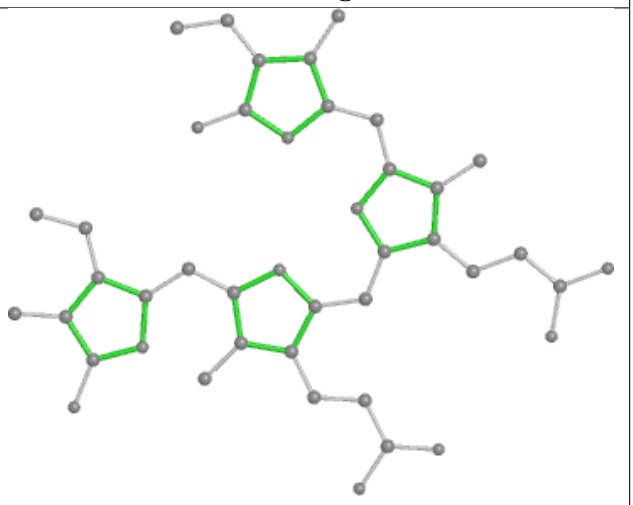
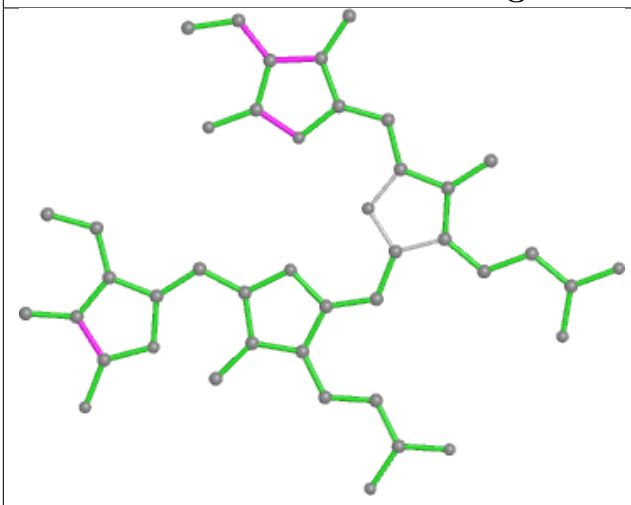


Rings

Ligand PEB dZ 1001



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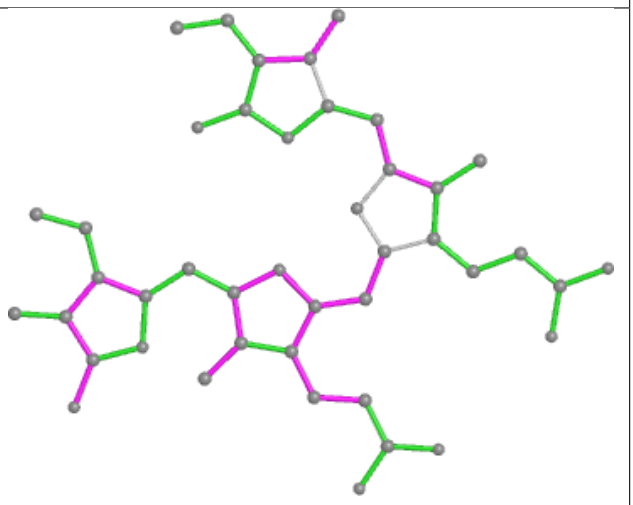

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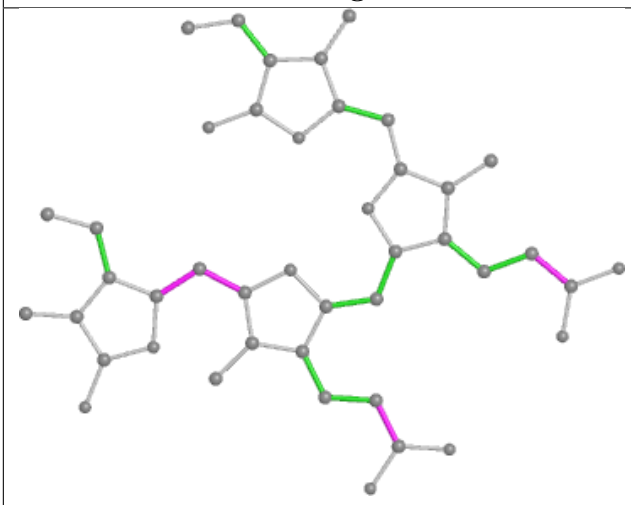

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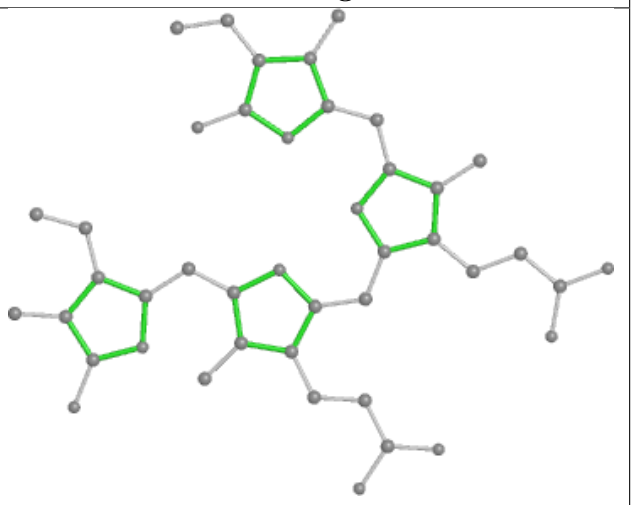
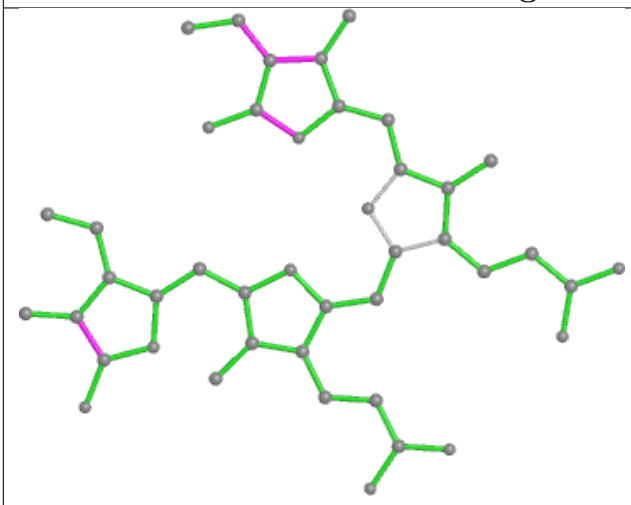


Rings

Ligand PEB x5 201



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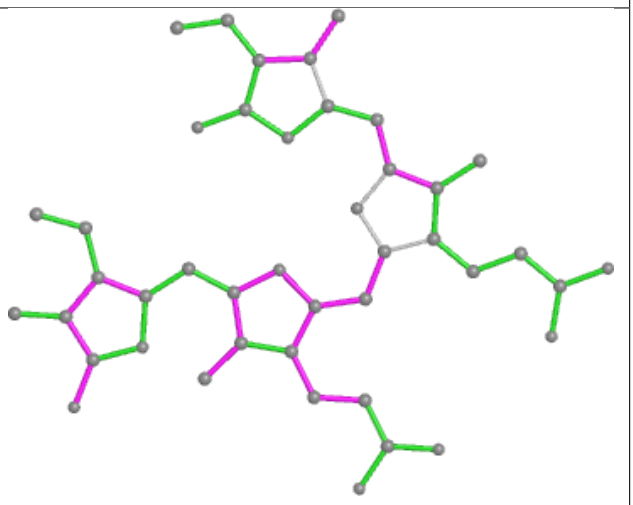

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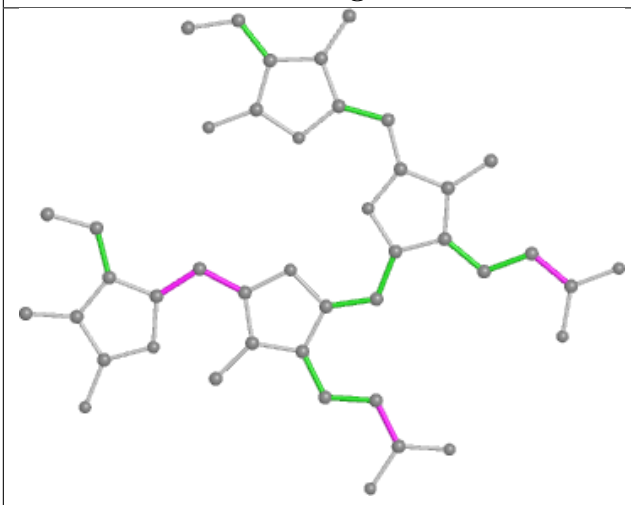

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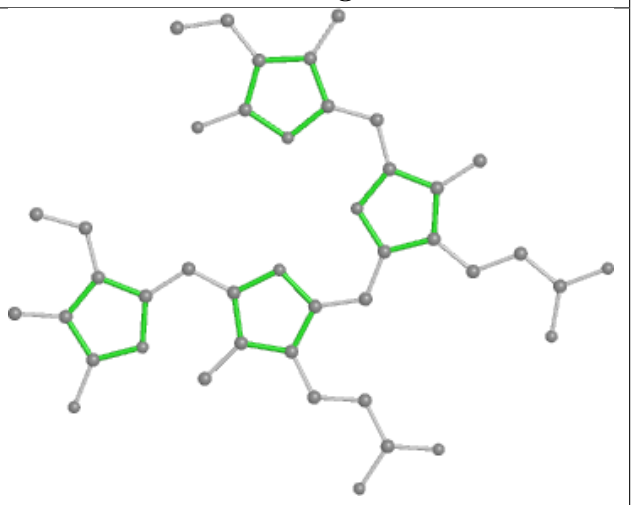
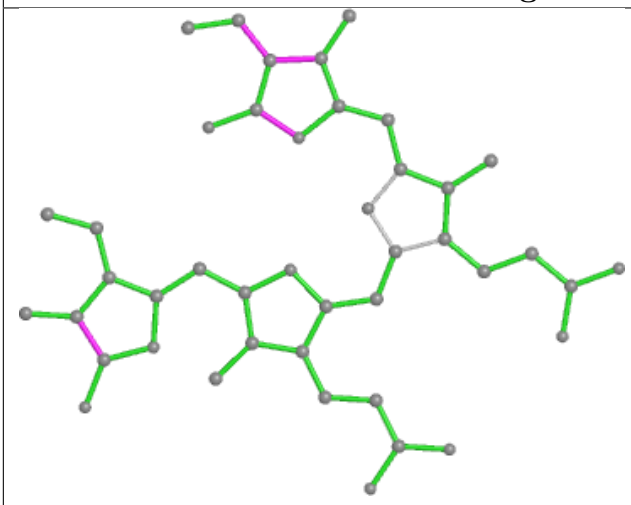


Rings

Ligand PEB cd 201



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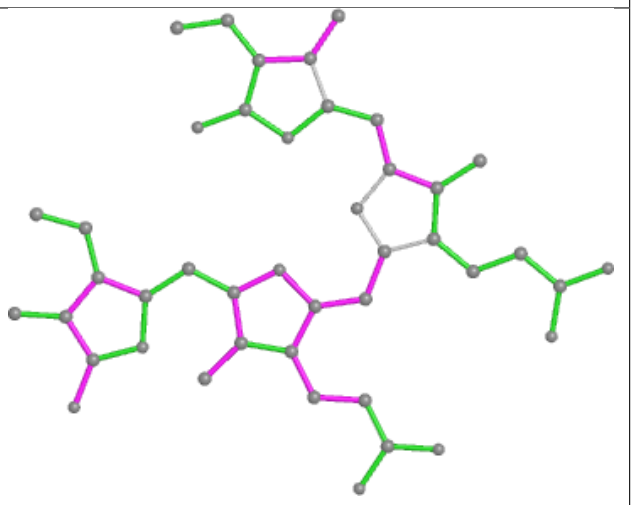

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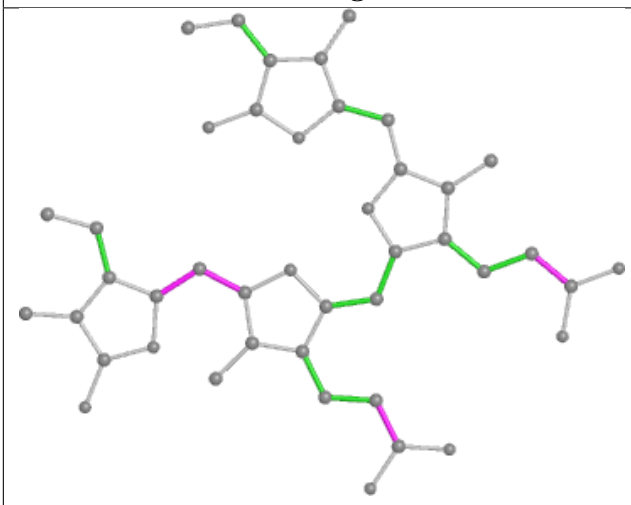

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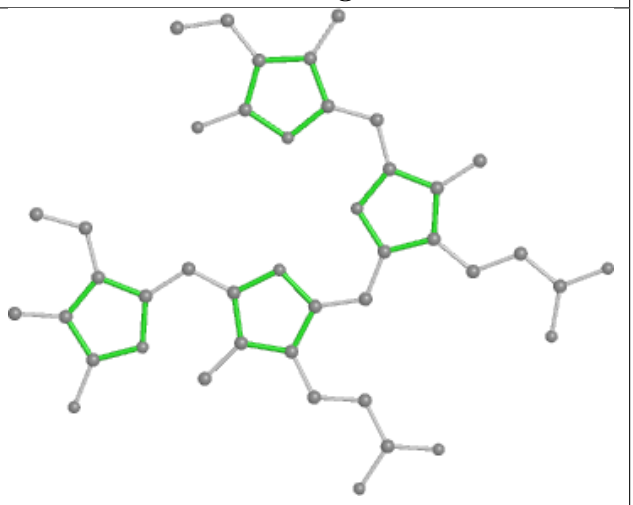
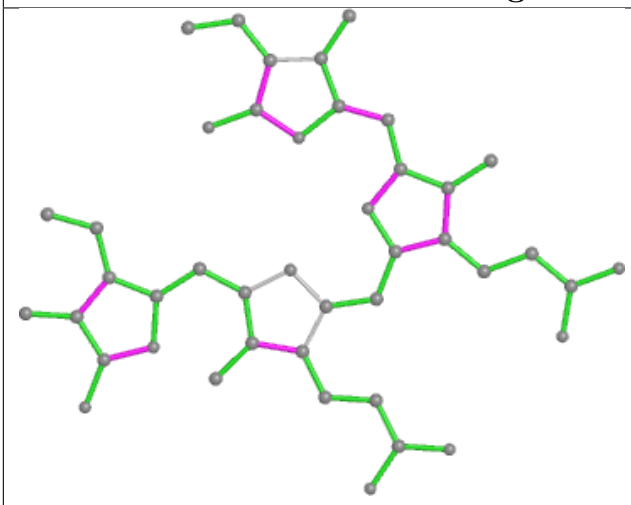


Rings

Ligand PUB kS 1003



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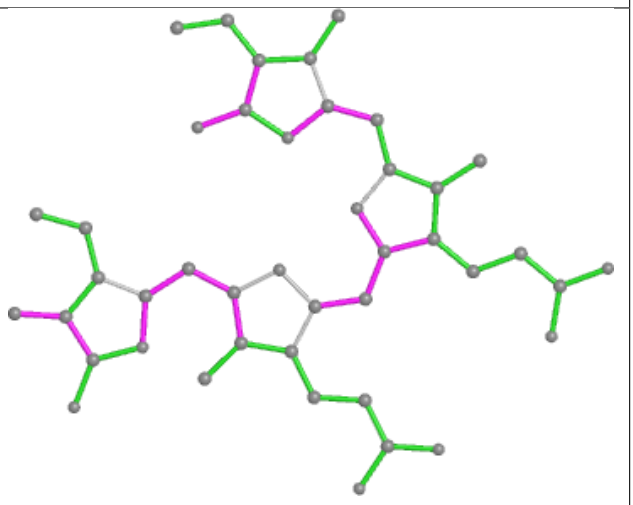

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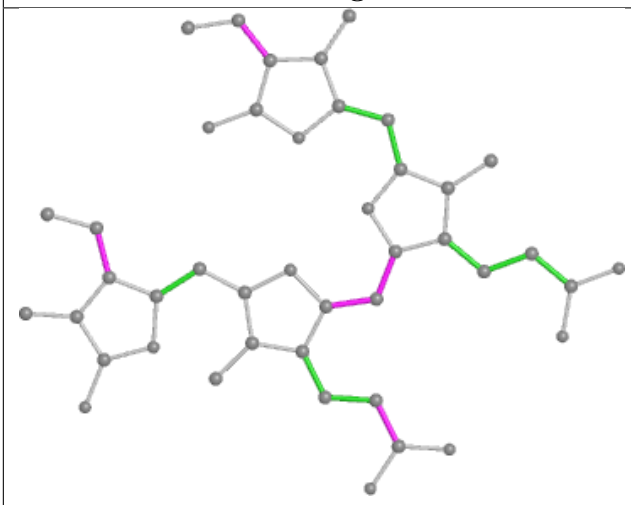

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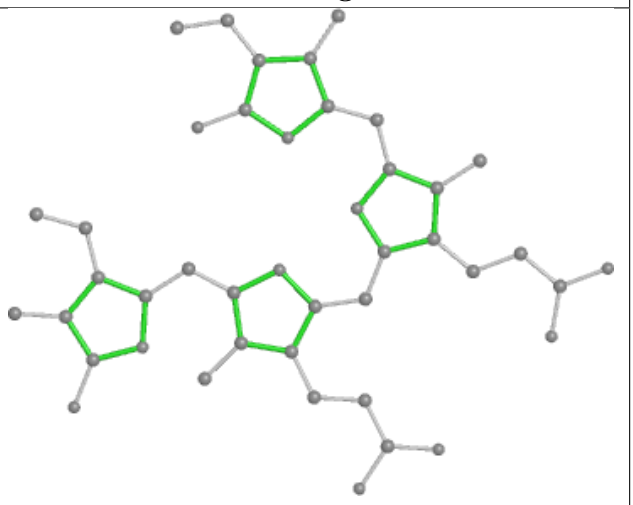
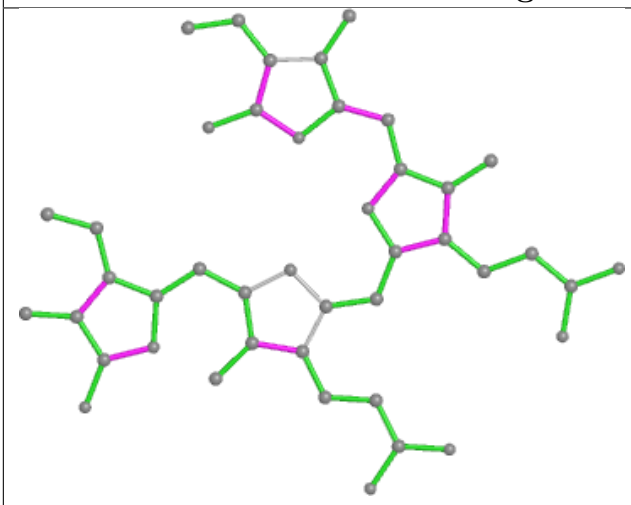


Rings

Ligand PUB b6 203



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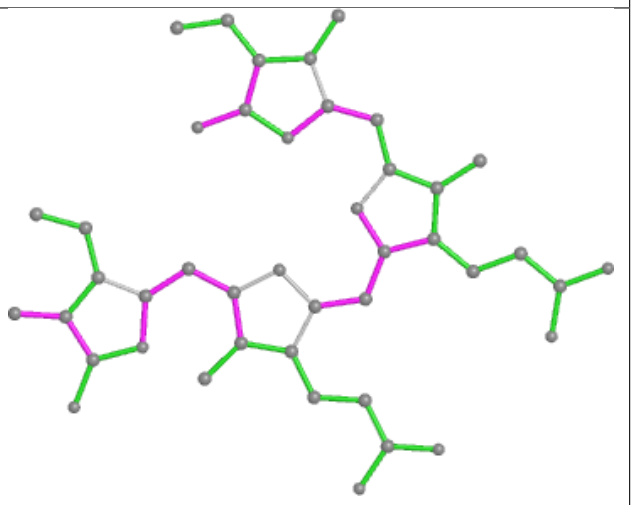

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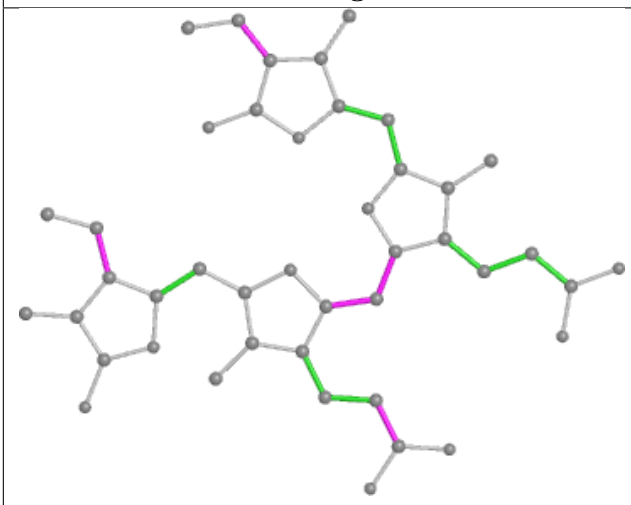

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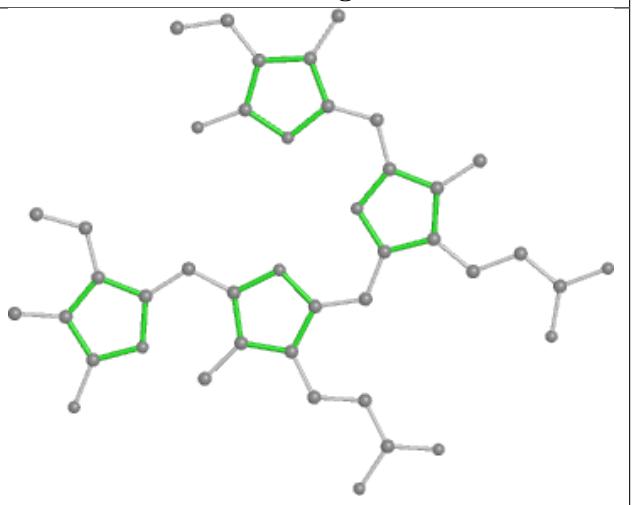
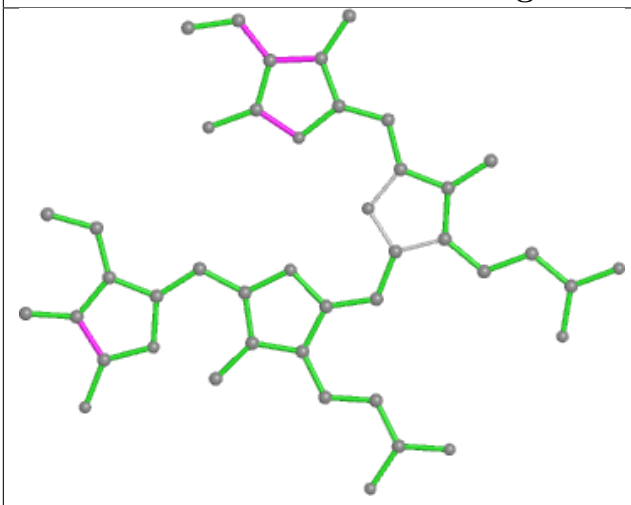


Rings

Ligand PEB cR 202



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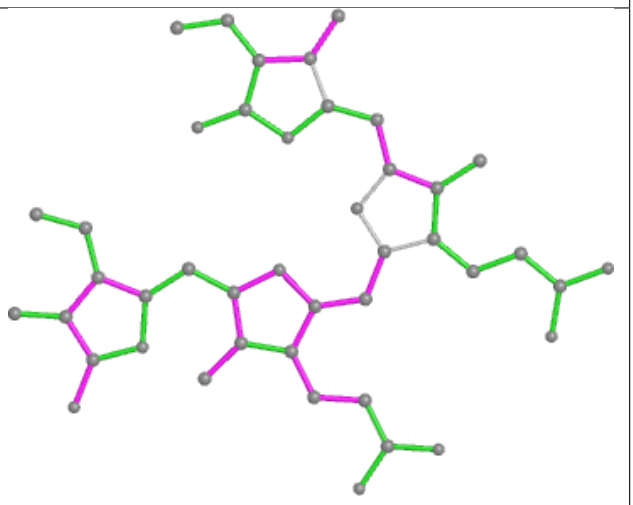

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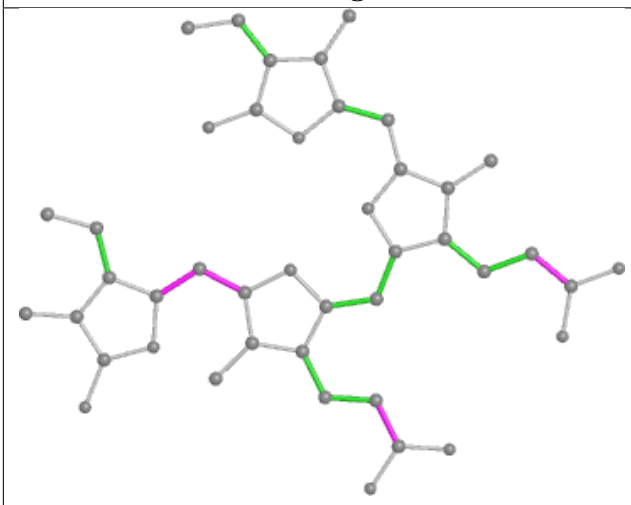

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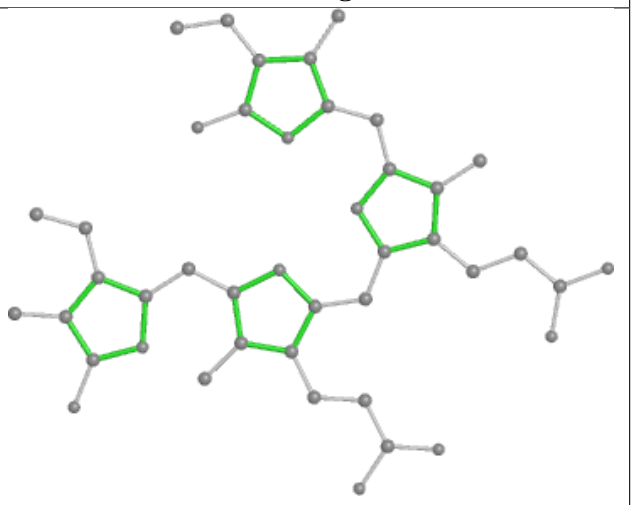
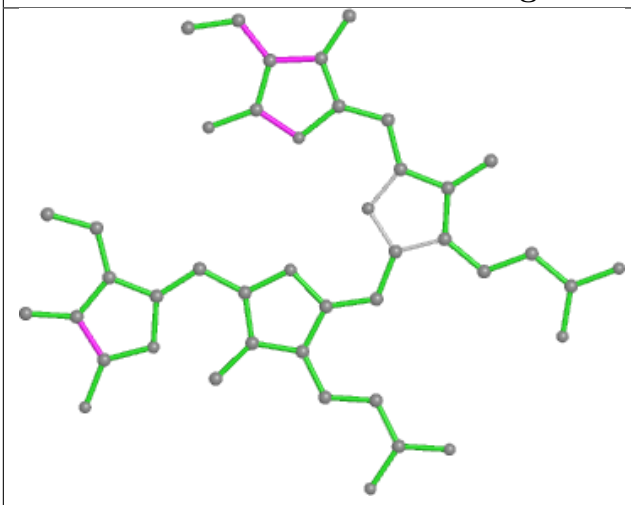


Rings

Ligand PEB bz 201



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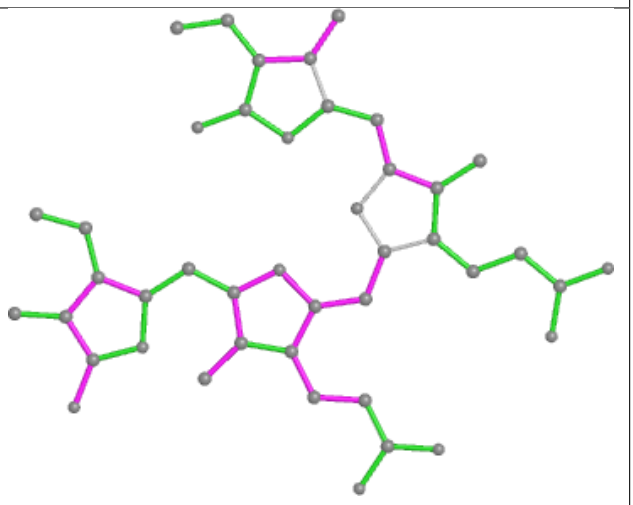

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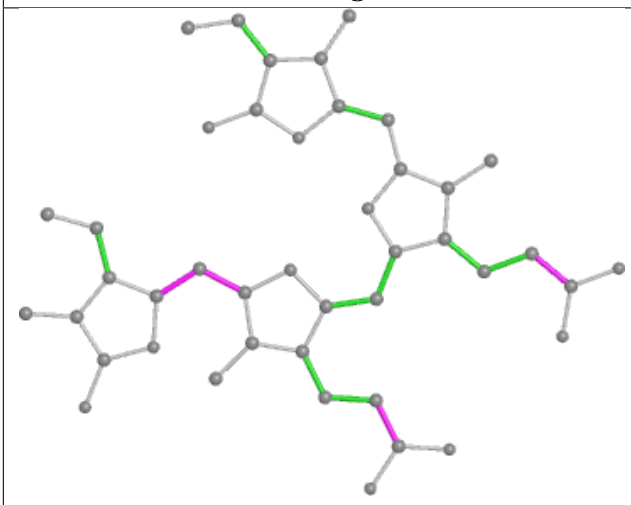

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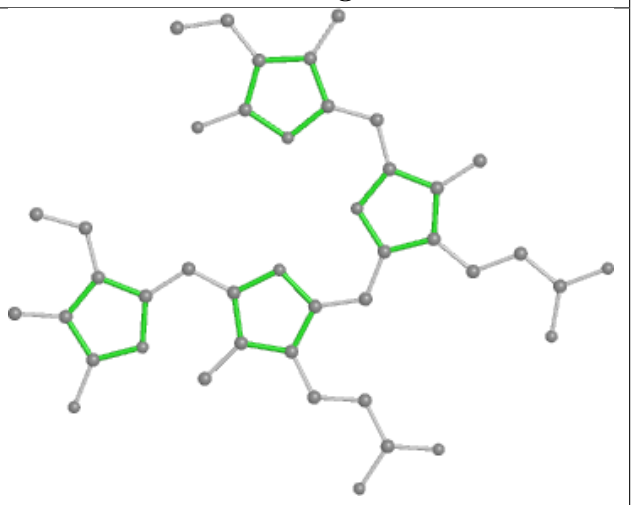
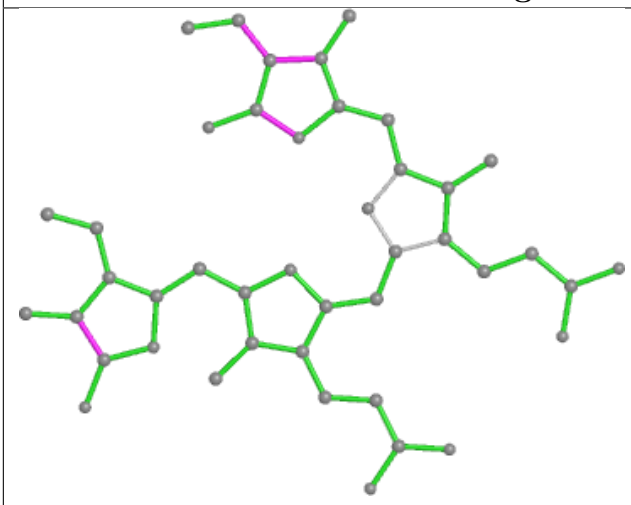


Rings

Ligand PEB bX 402



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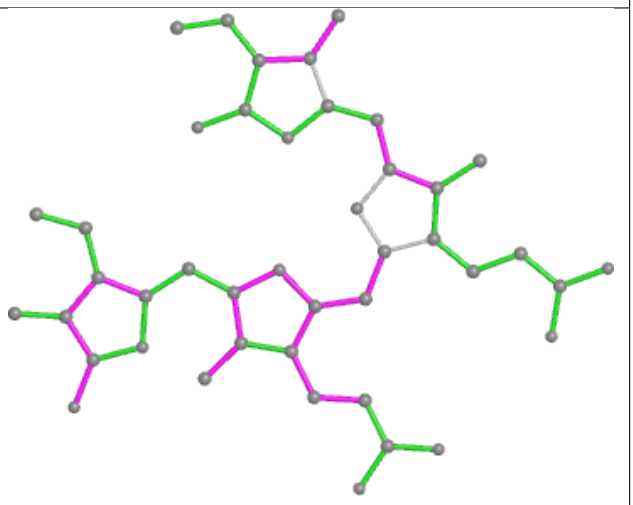

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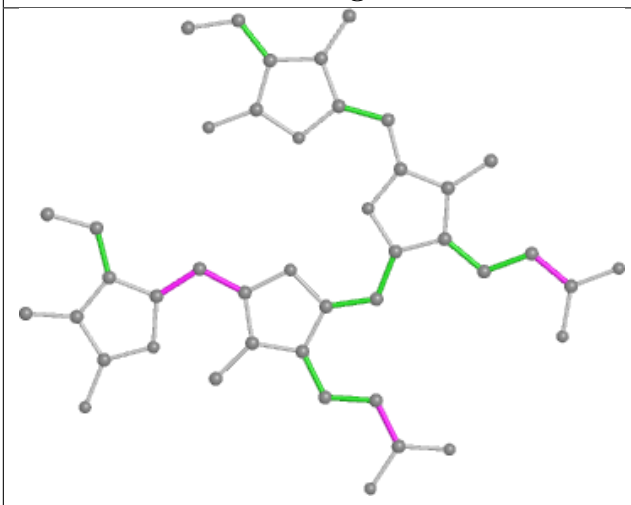

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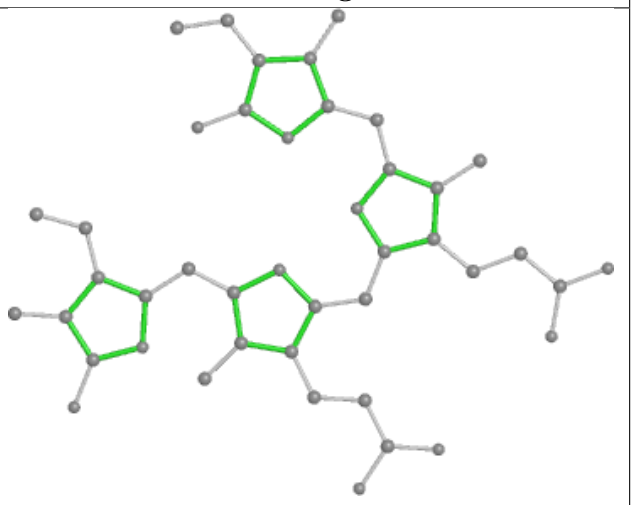

Rings

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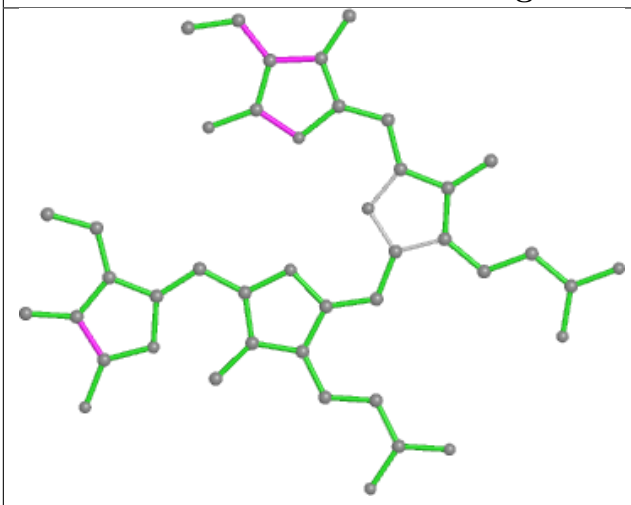

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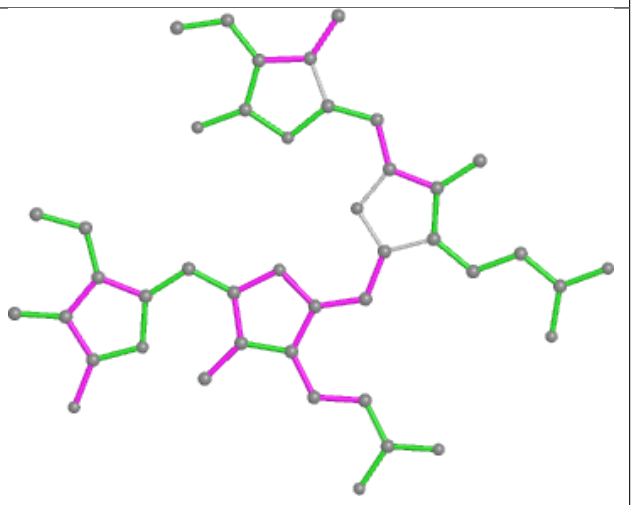

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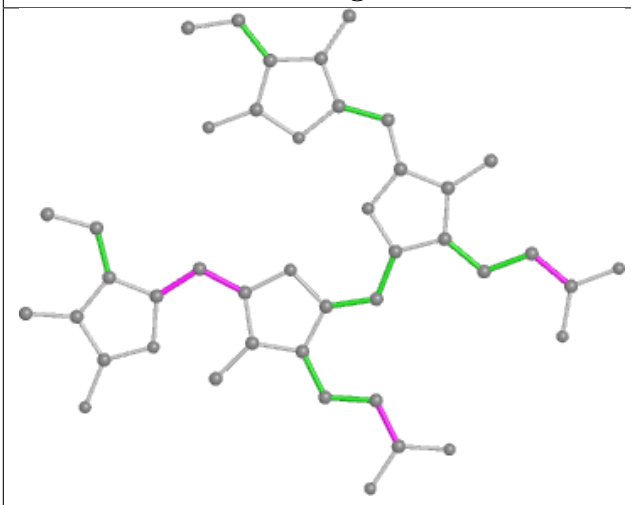

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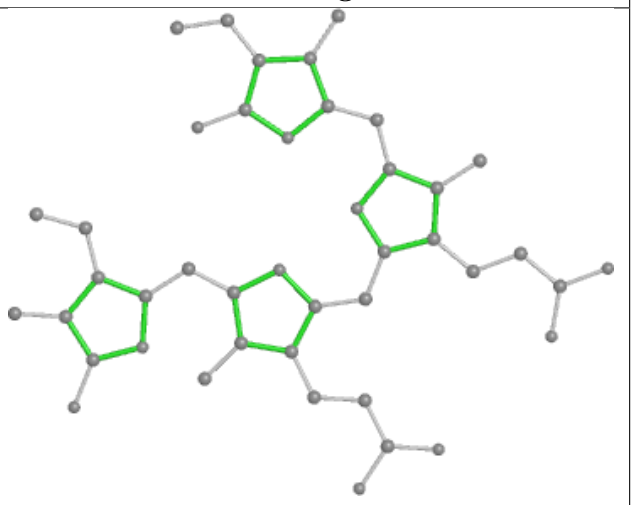
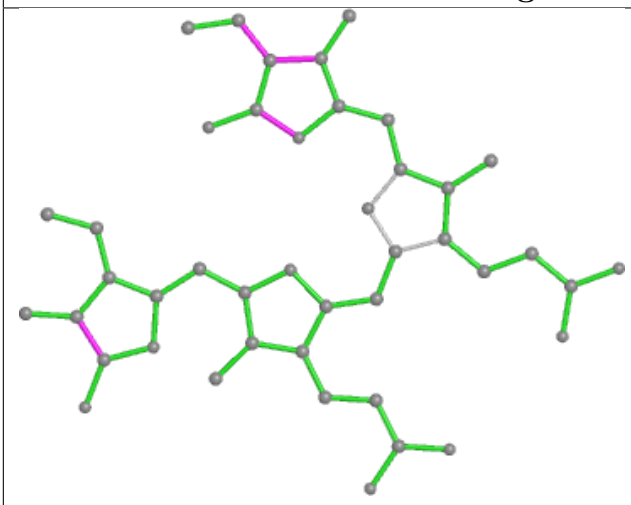


Rings

Ligand PEB F6 201



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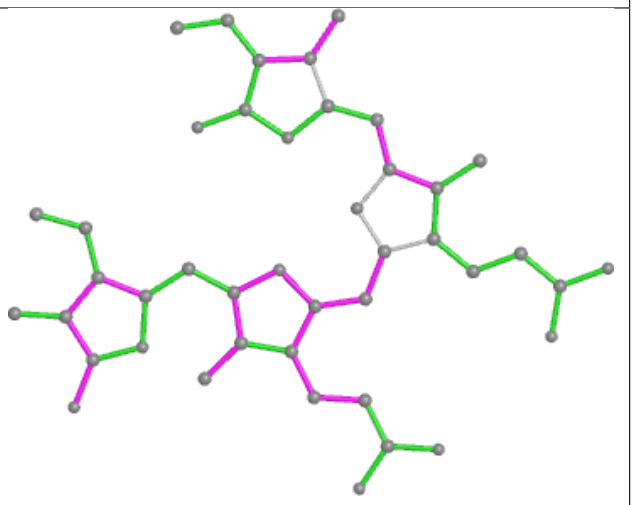
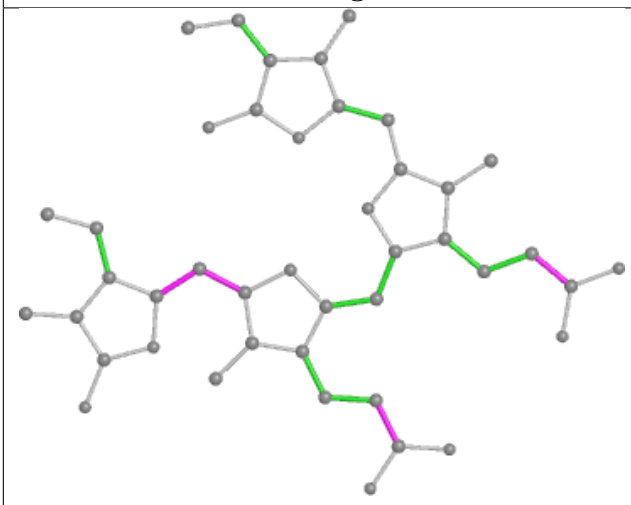
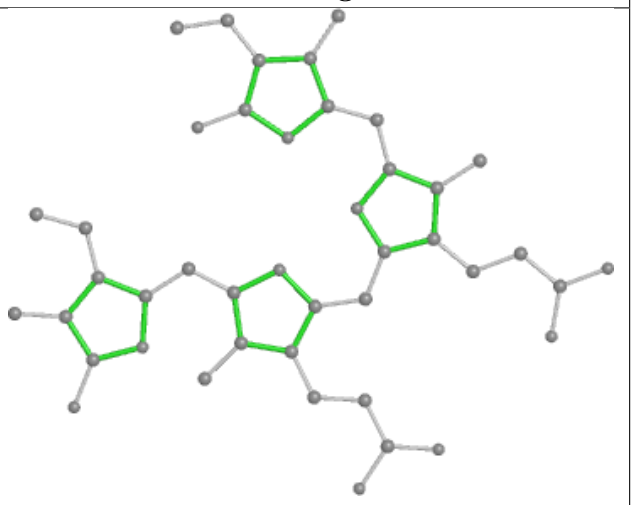


Bond angles

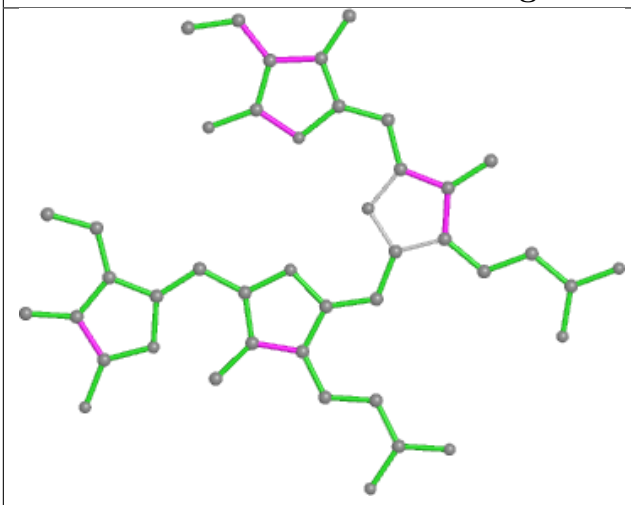


Torsions



Rings

Ligand PEB J6 202



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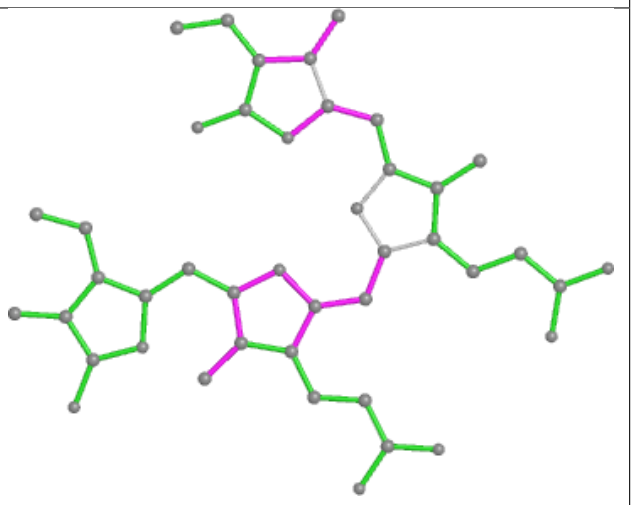

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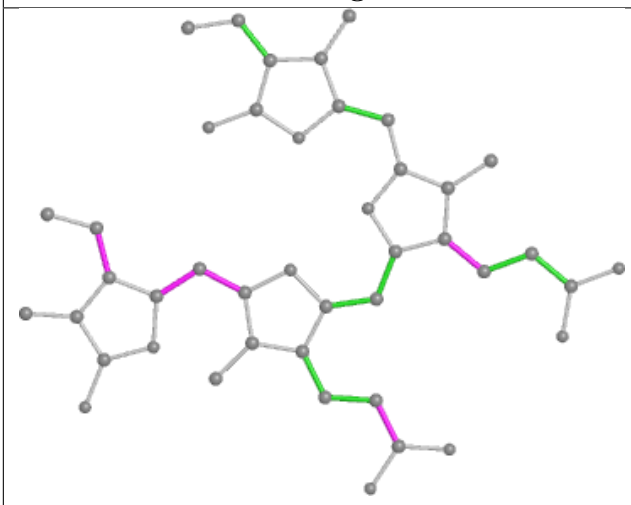

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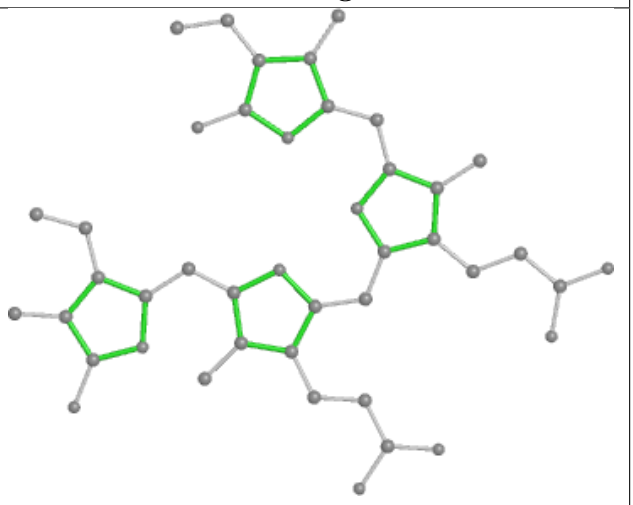
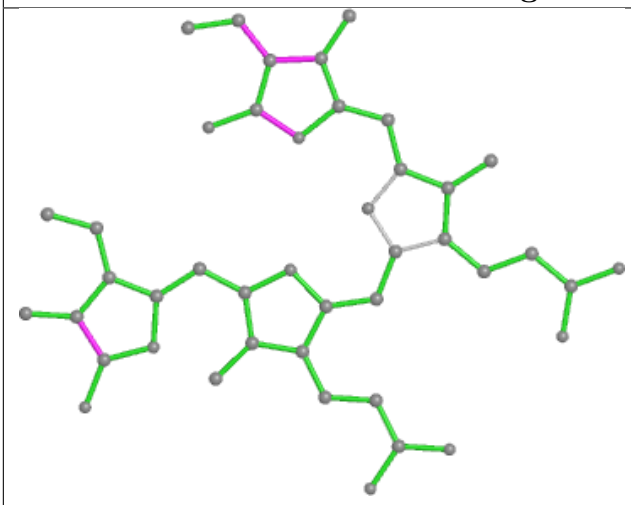


Rings

Ligand PEB dr 202



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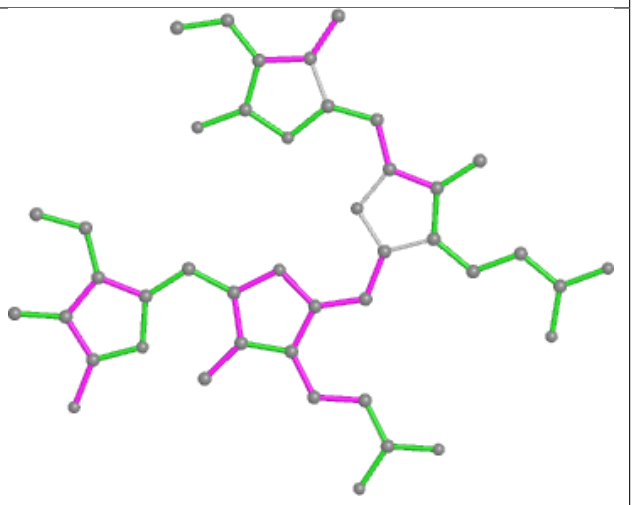

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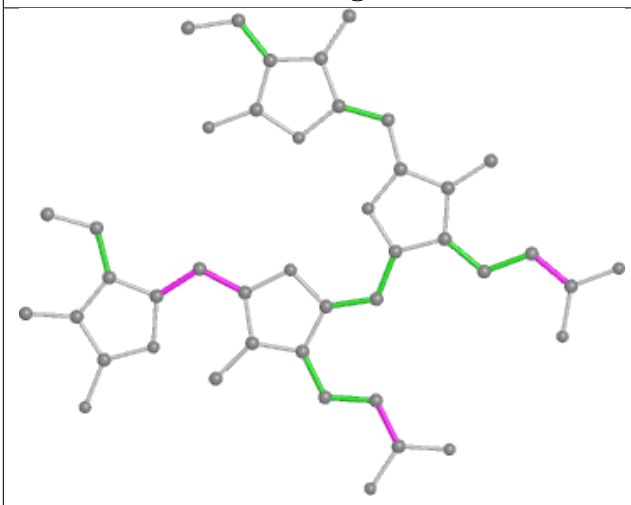

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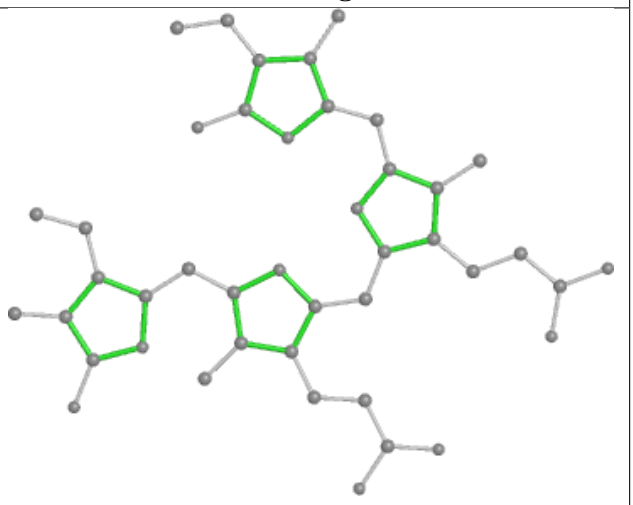
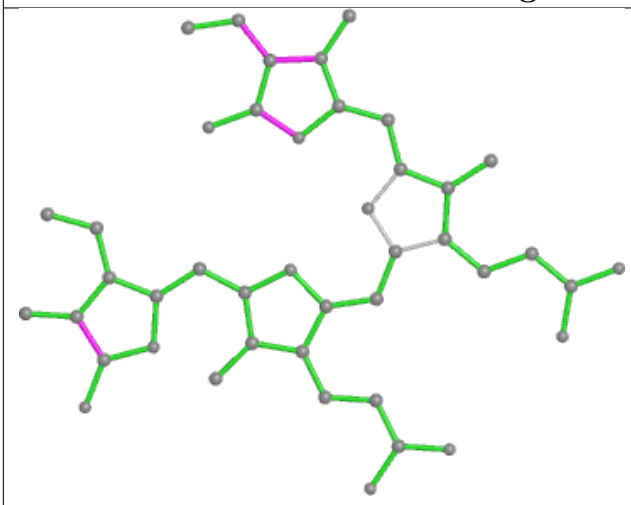


Rings

Ligand PEB x2 201



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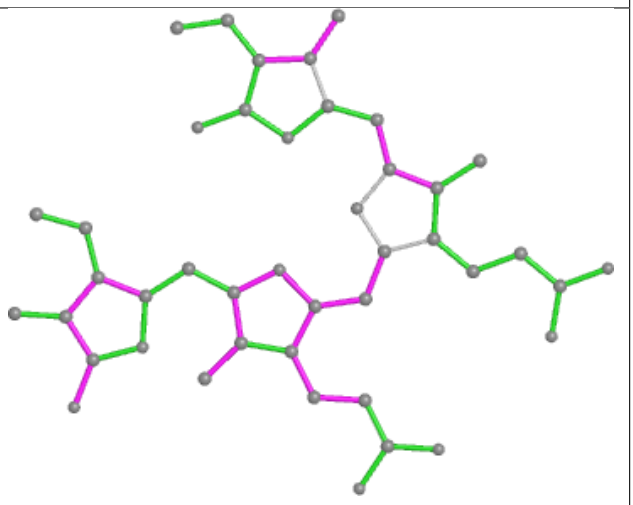

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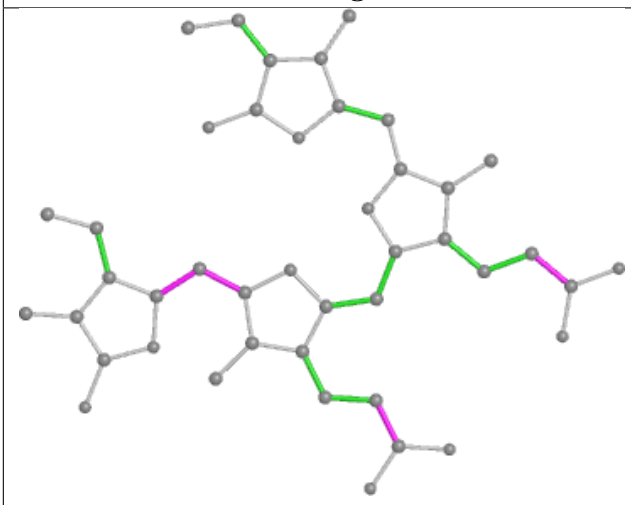

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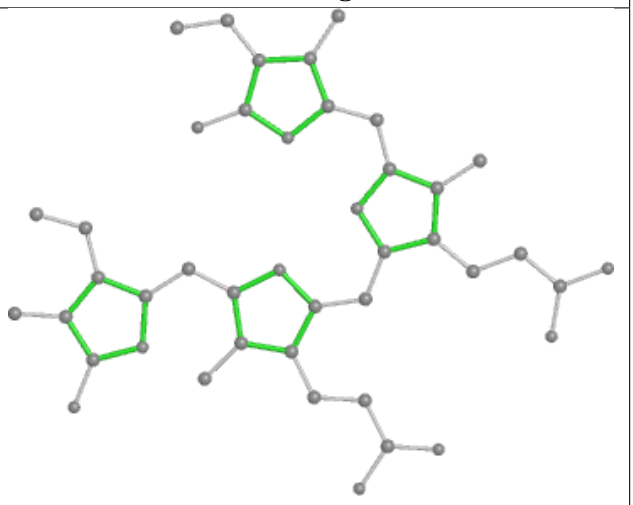

Rings

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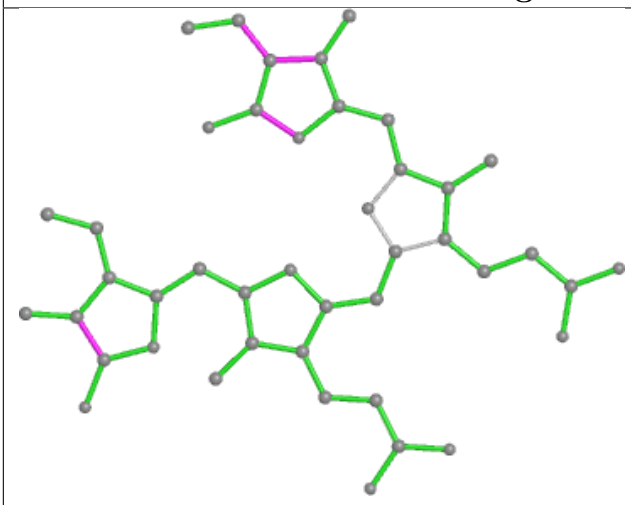

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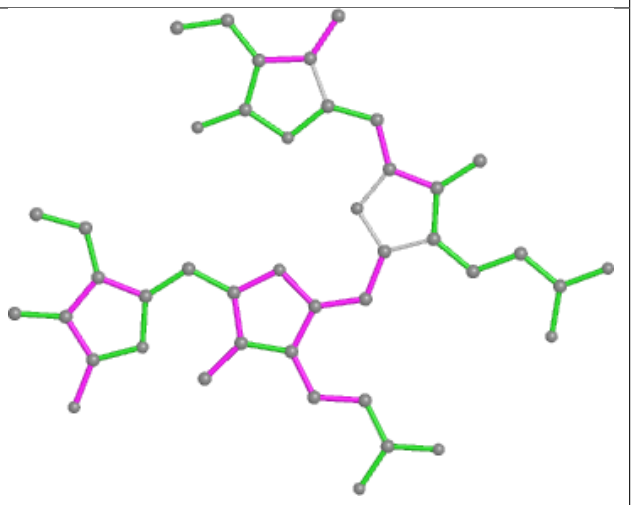

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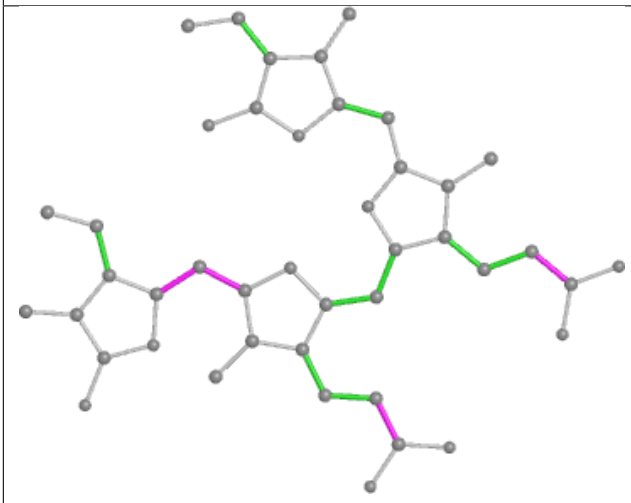

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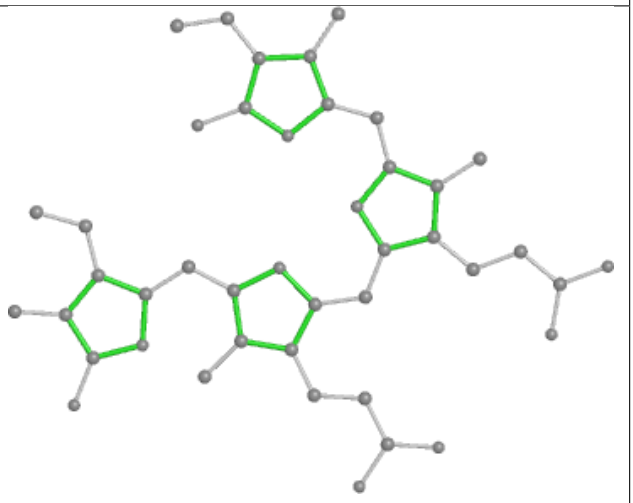

Rings

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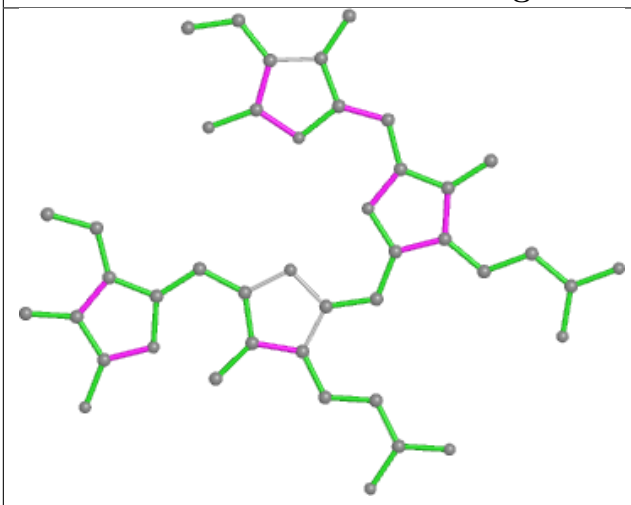

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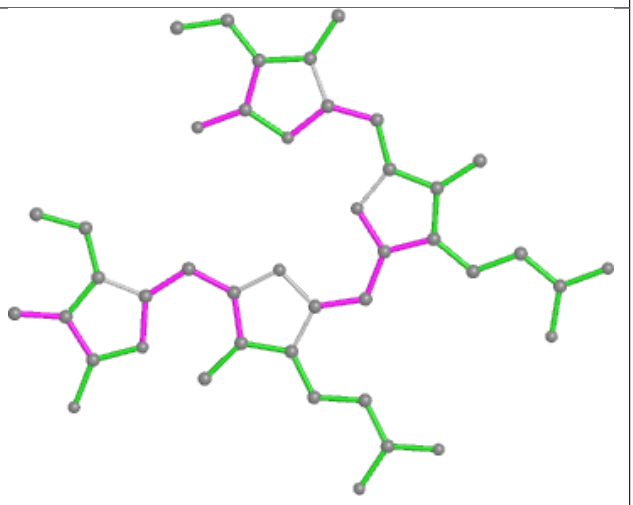

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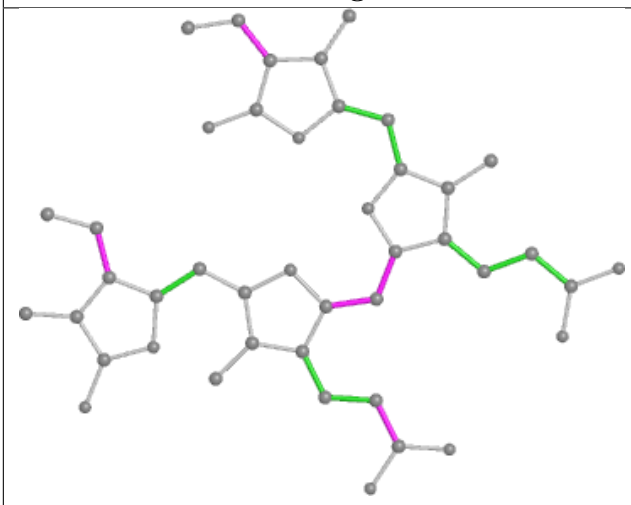

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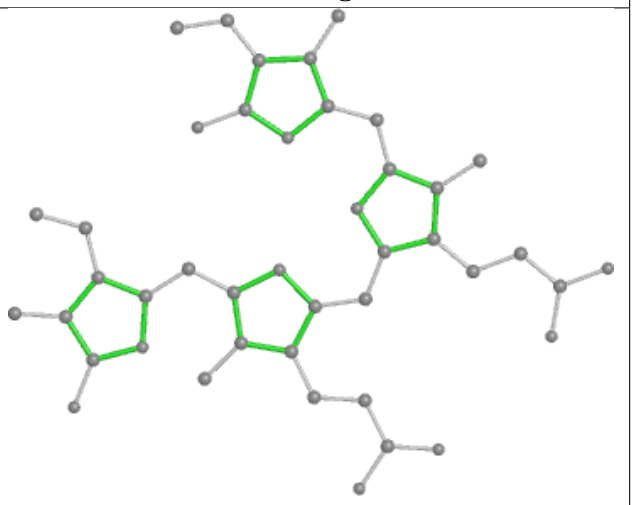

Rings

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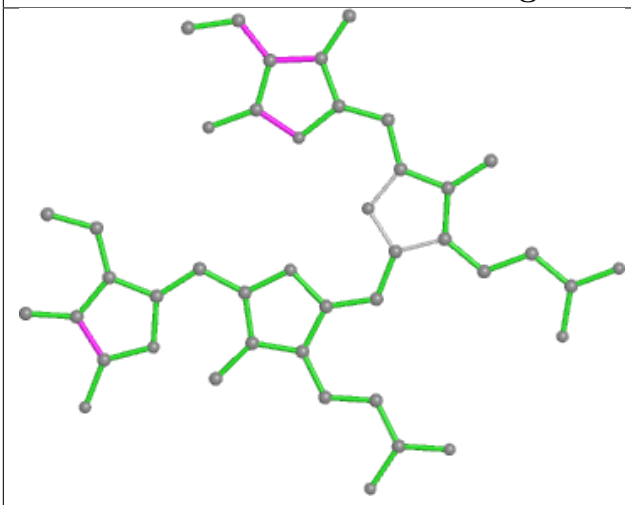

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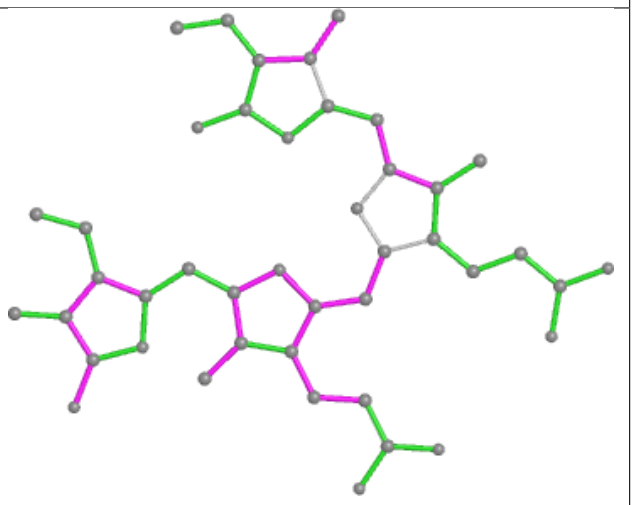

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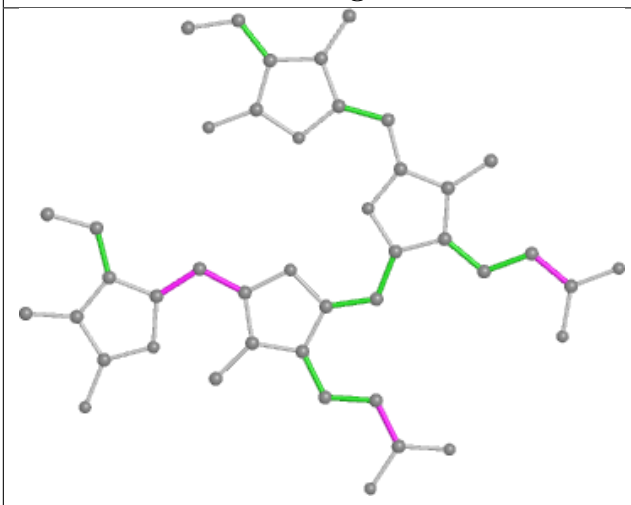

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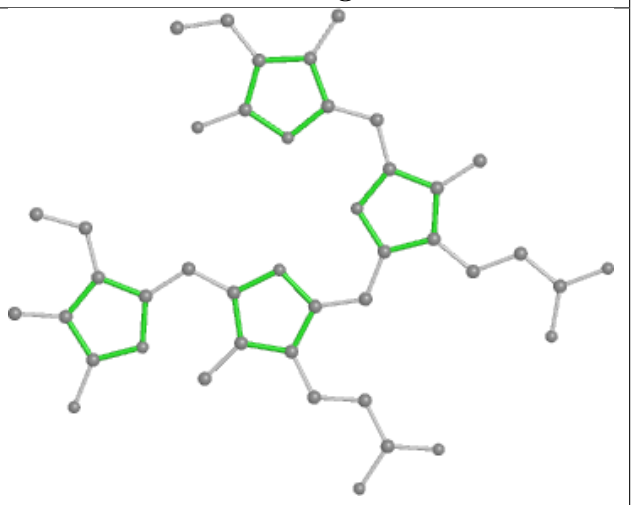

Rings

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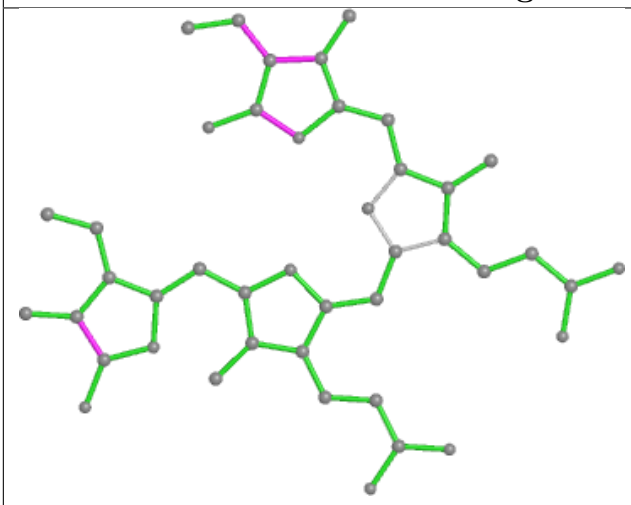

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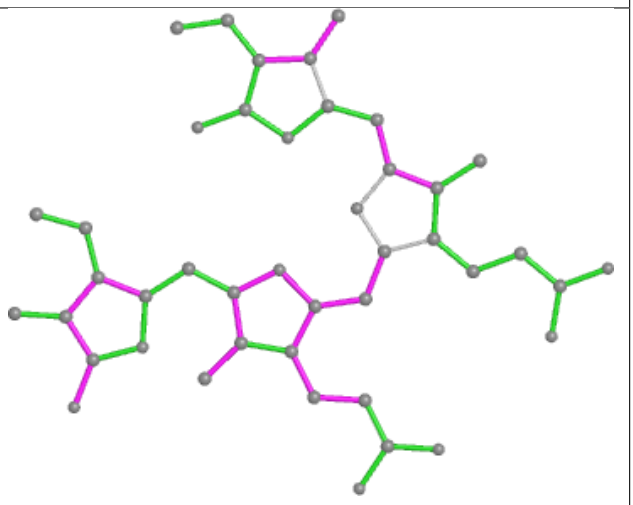

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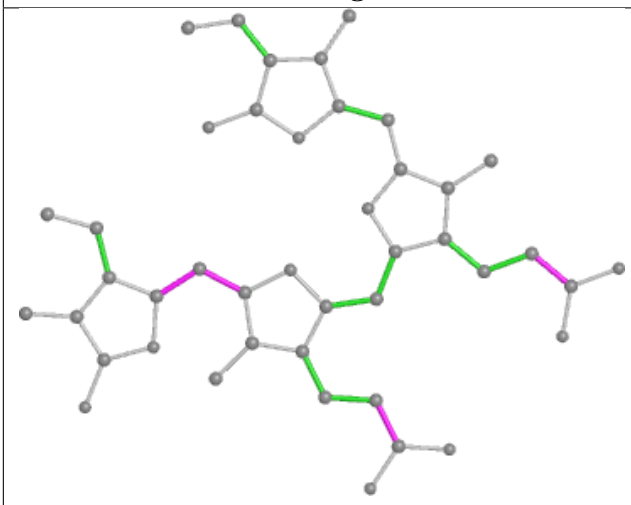

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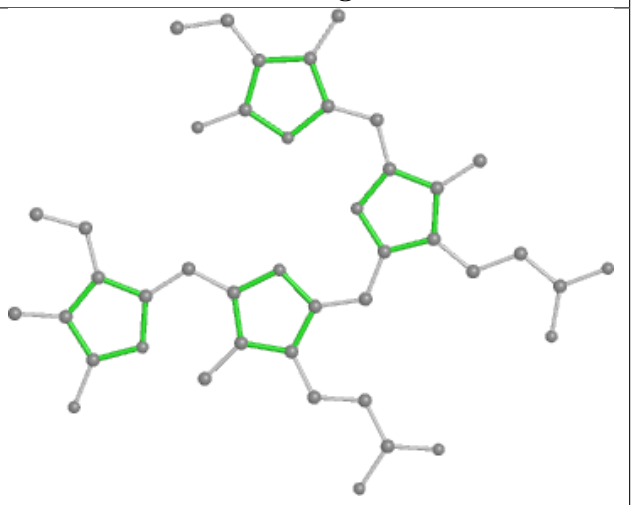

Rings

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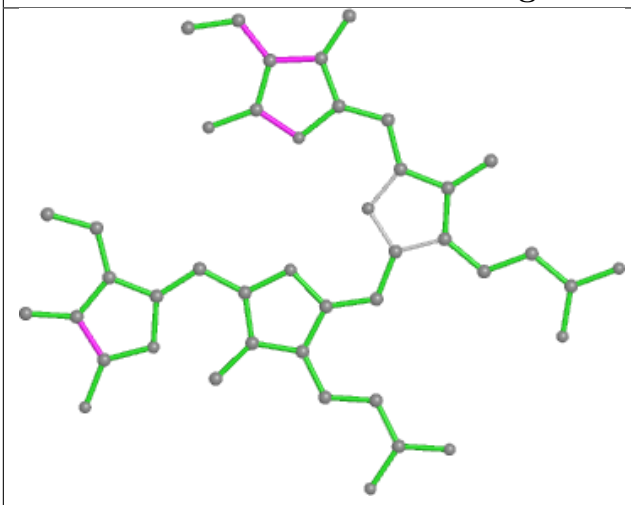

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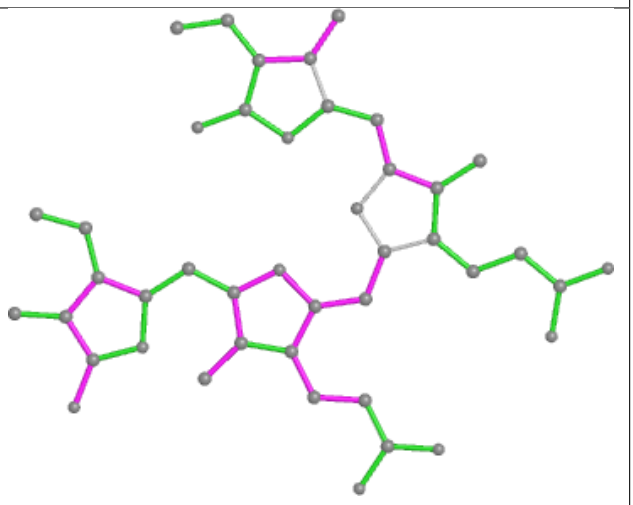

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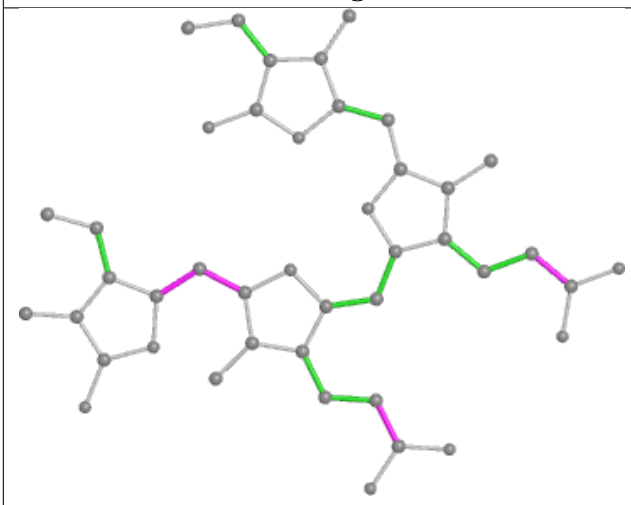

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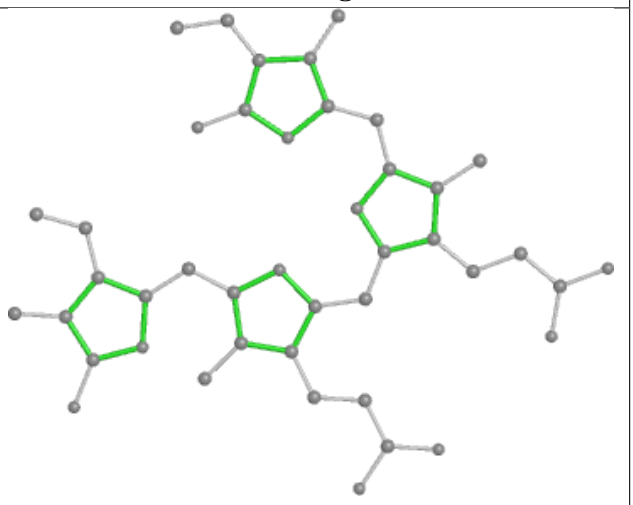

Rings

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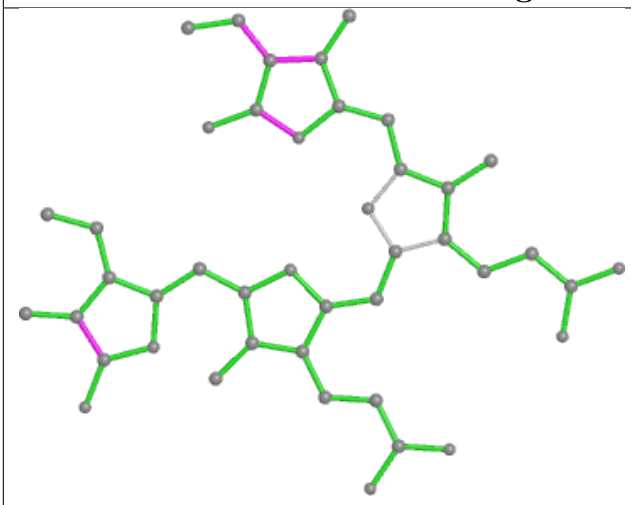

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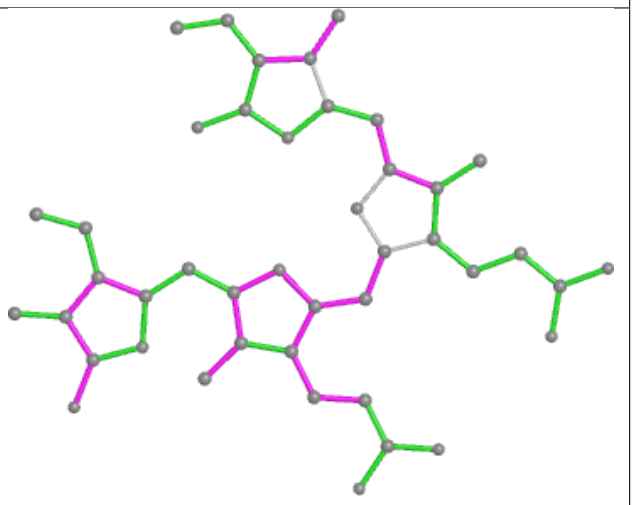

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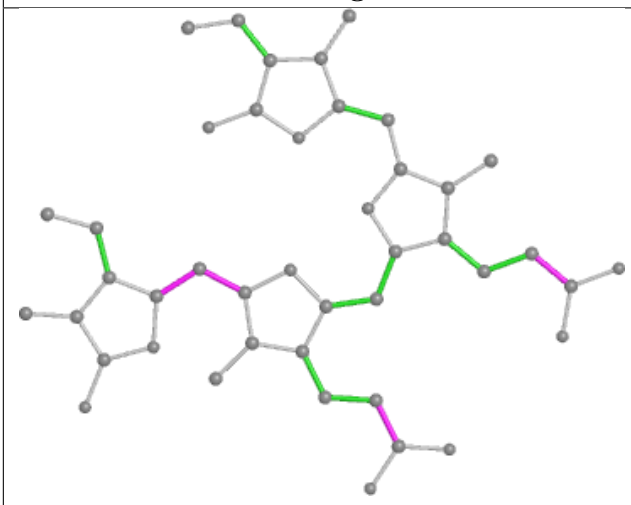

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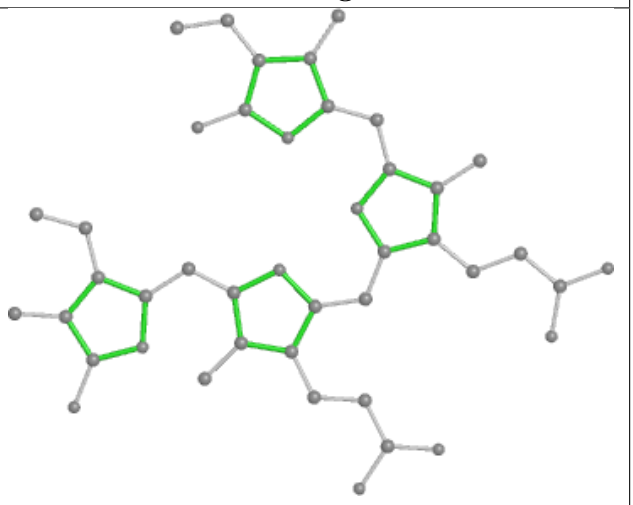
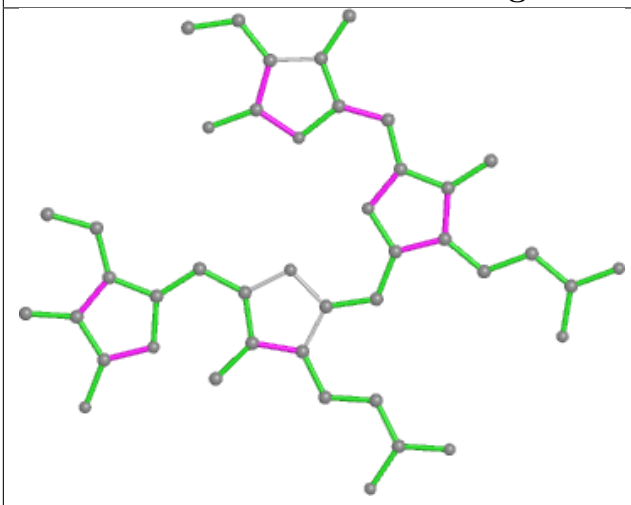


Rings

Ligand PUB 34 1005



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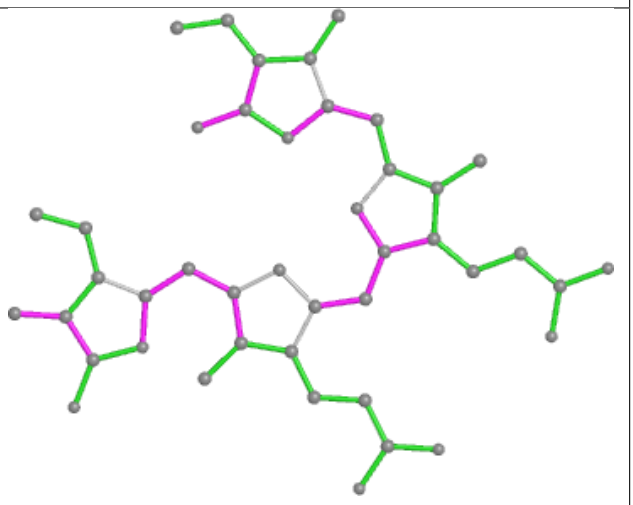

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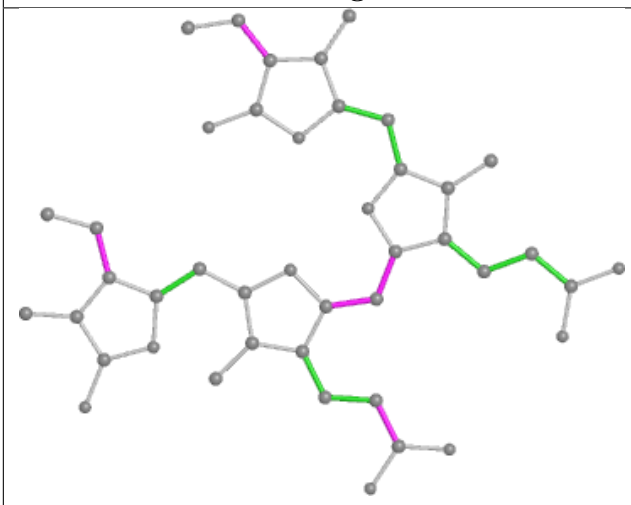

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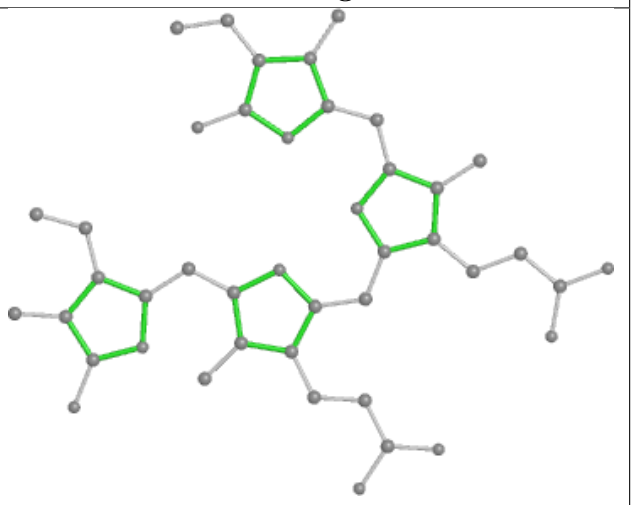

Rings

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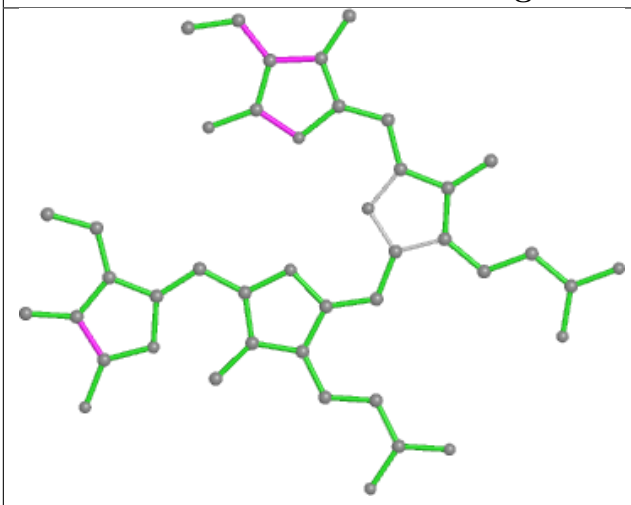

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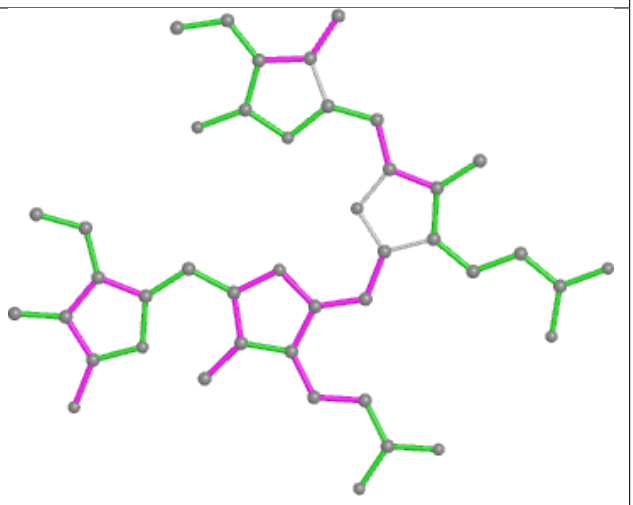

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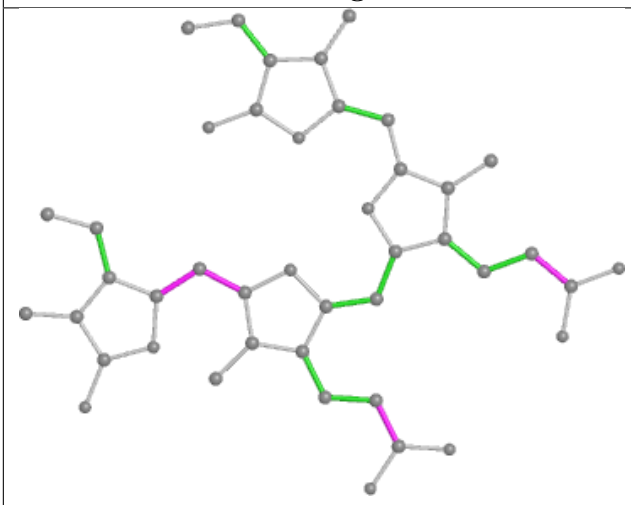

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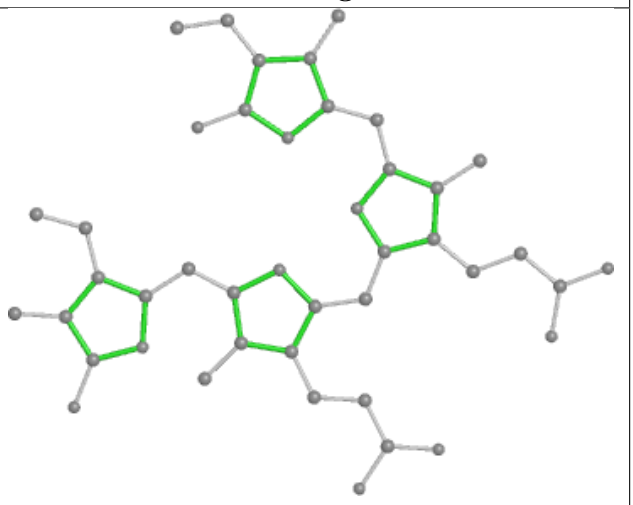

Rings

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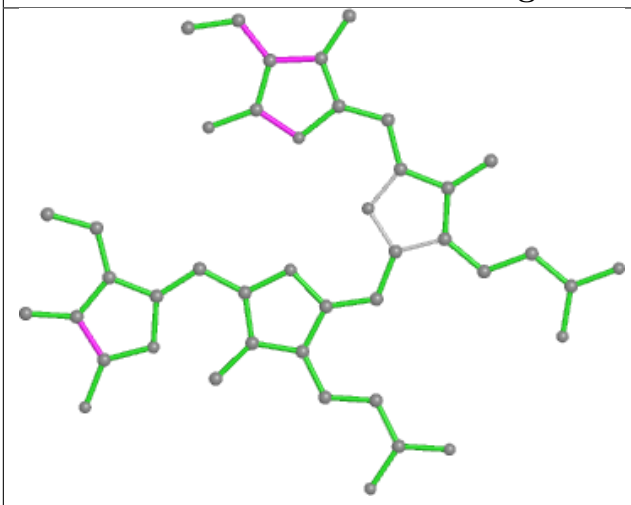

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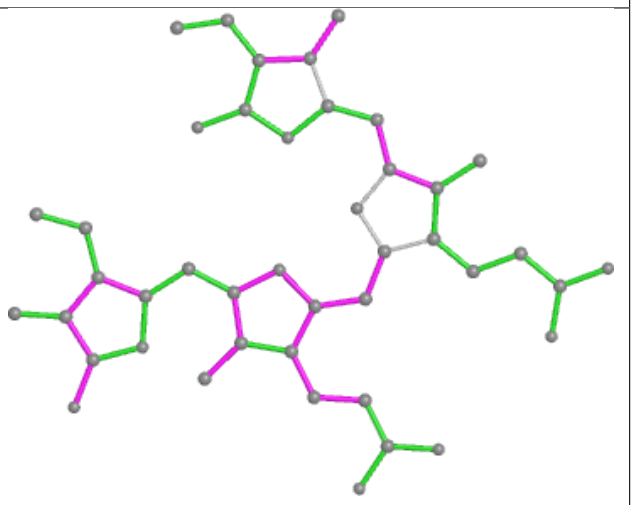

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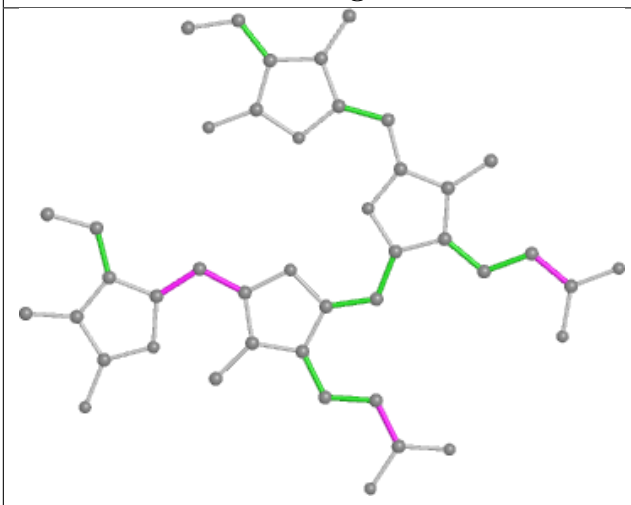

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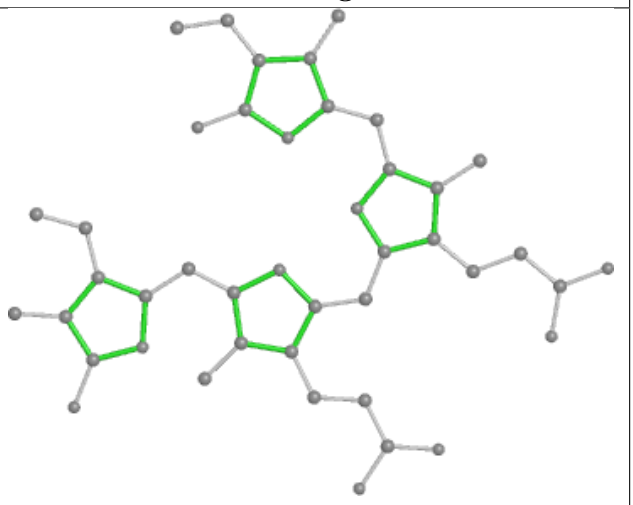
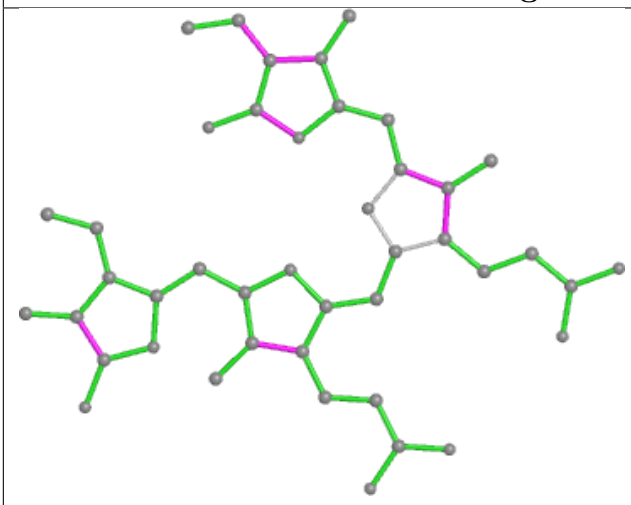


Rings

Ligand PEB ch 202



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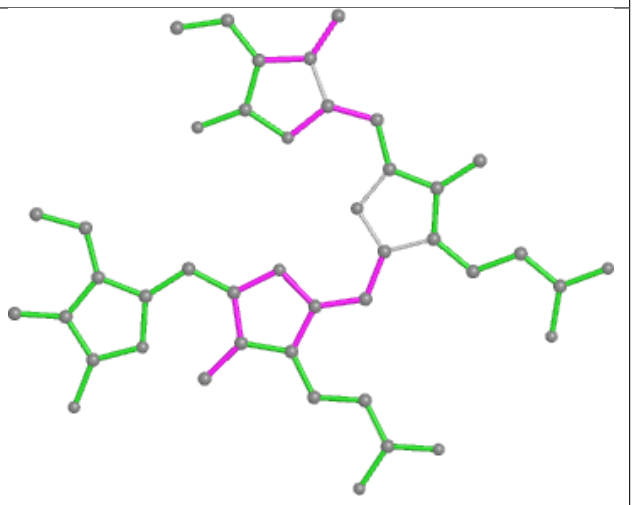
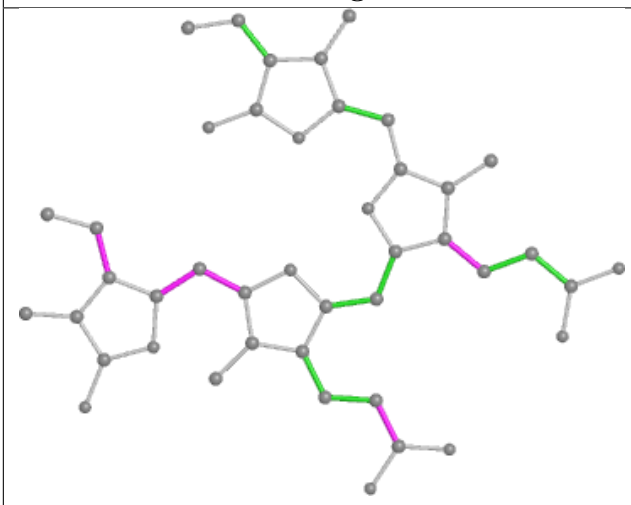
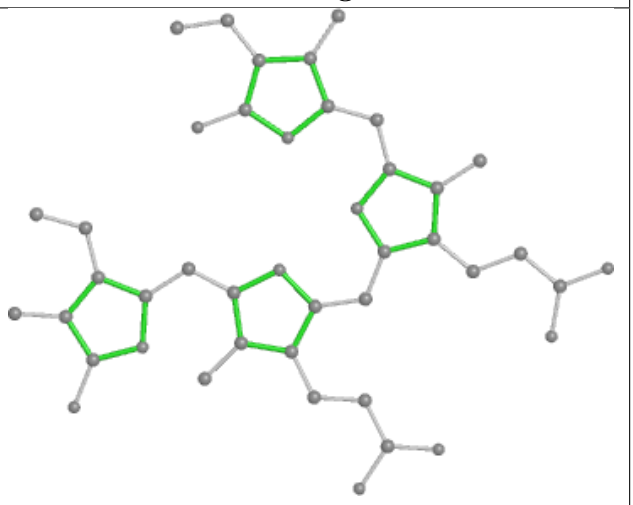


Bond angles

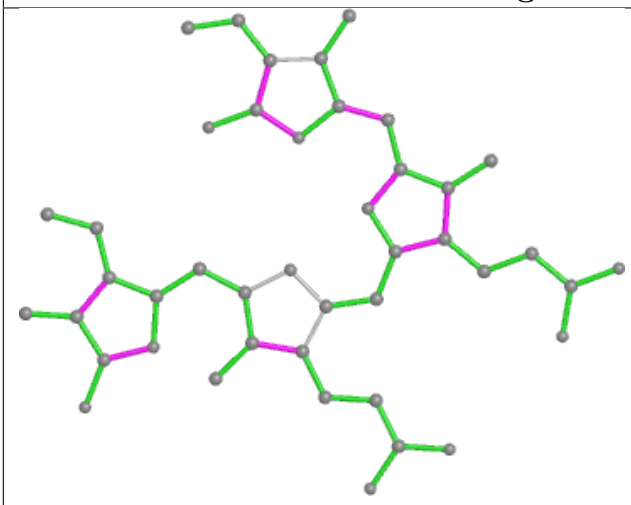


Torsions



Rings

Ligand PUB gx 203



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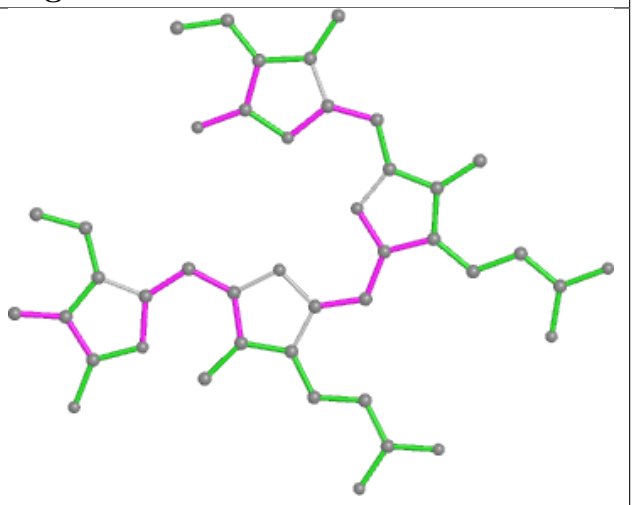
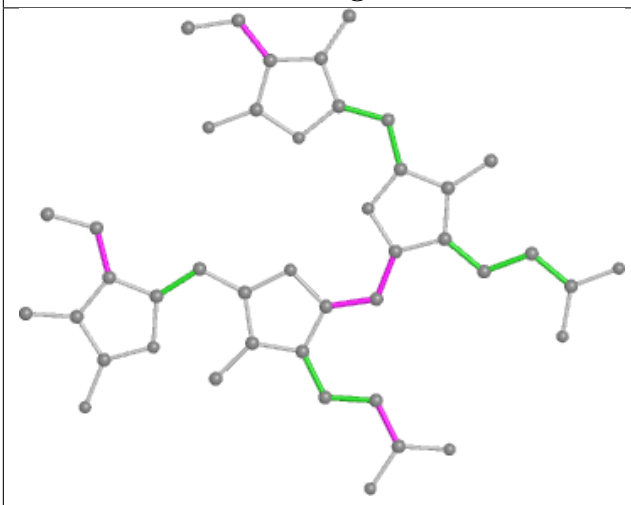


Bond angles



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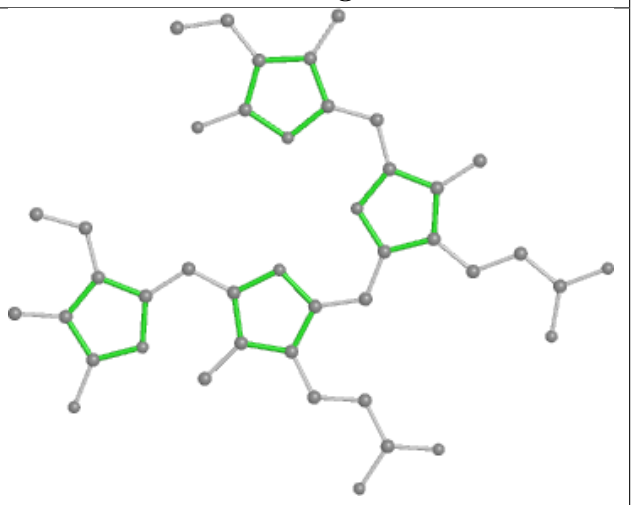
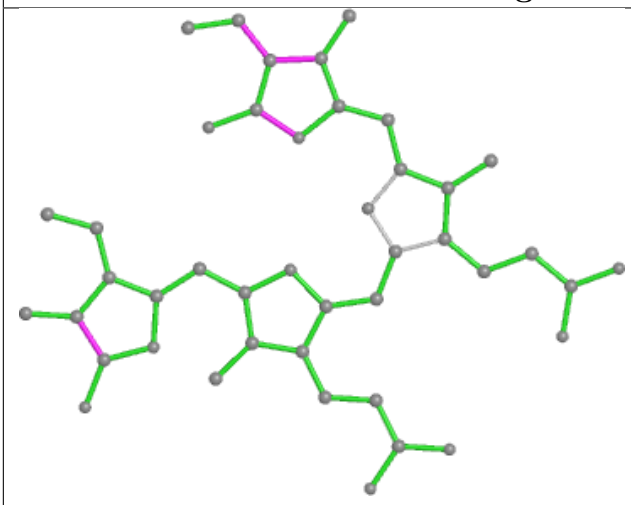


Rings

Ligand PEB O8 201



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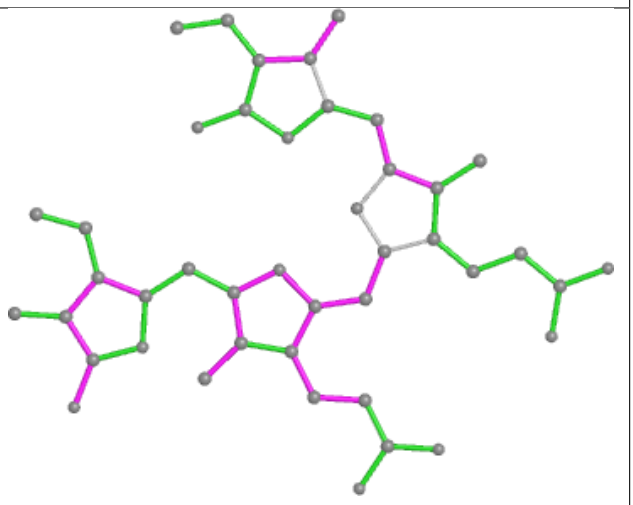

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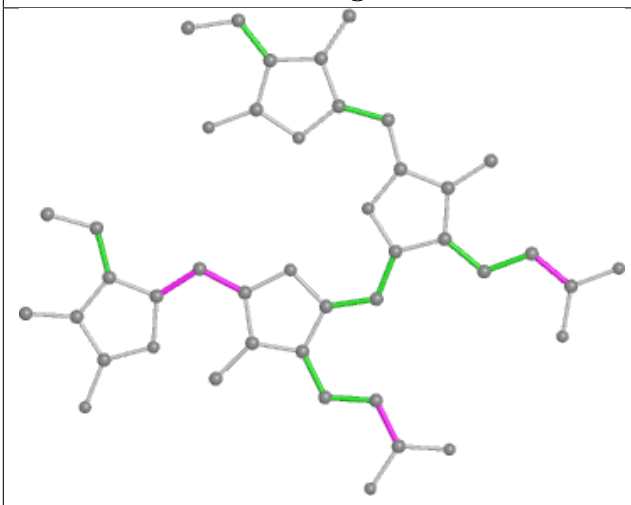

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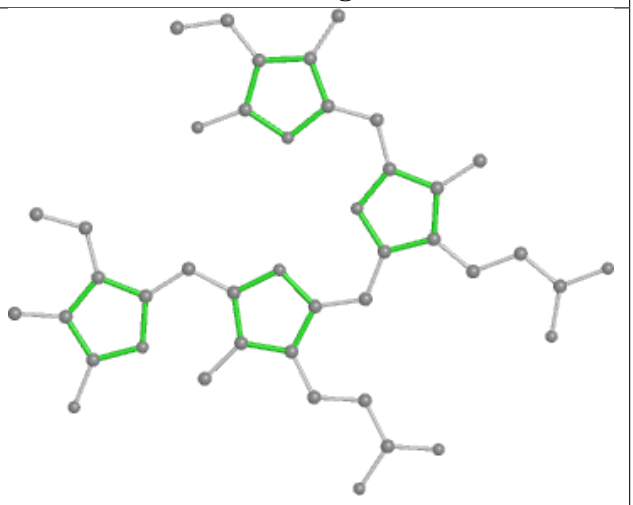
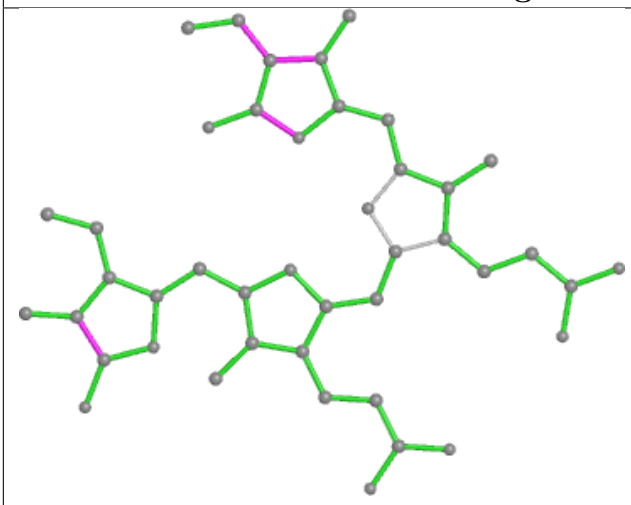


Rings

Ligand PEB dX 202



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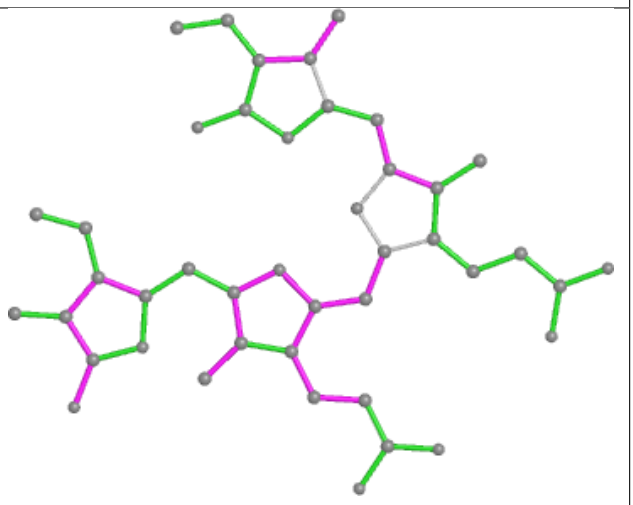

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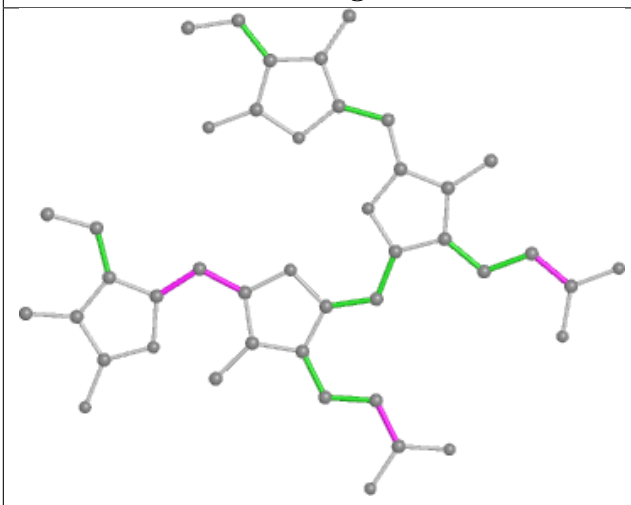

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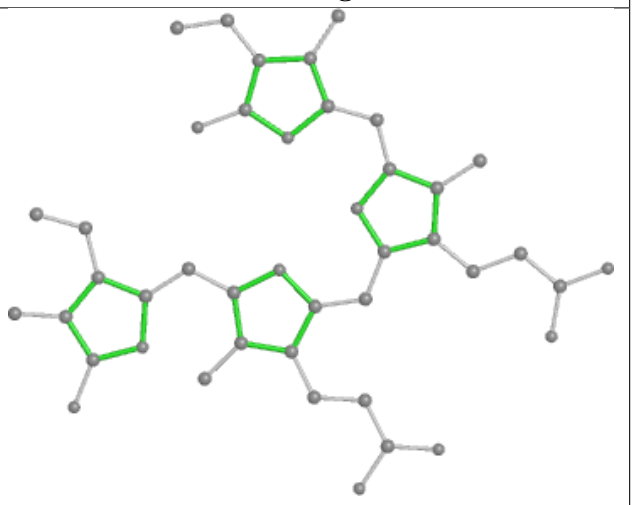
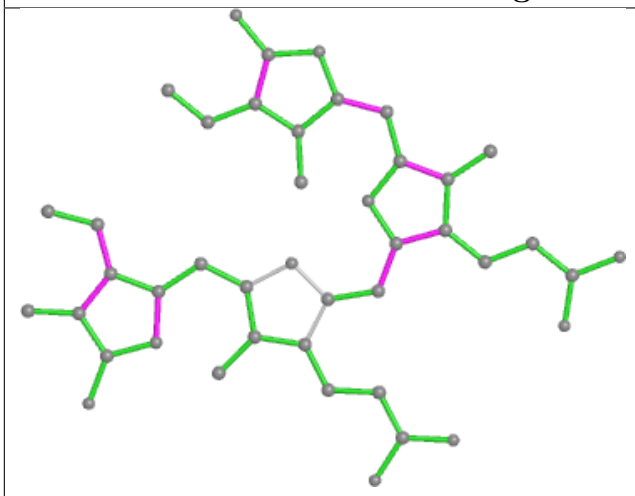


Rings

Ligand PVN Y9 303



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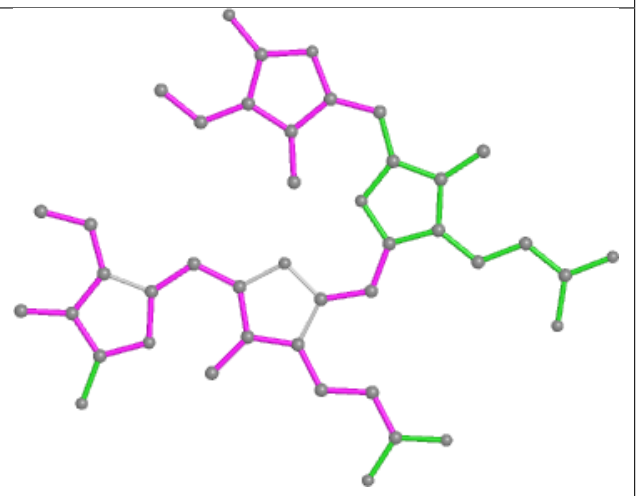

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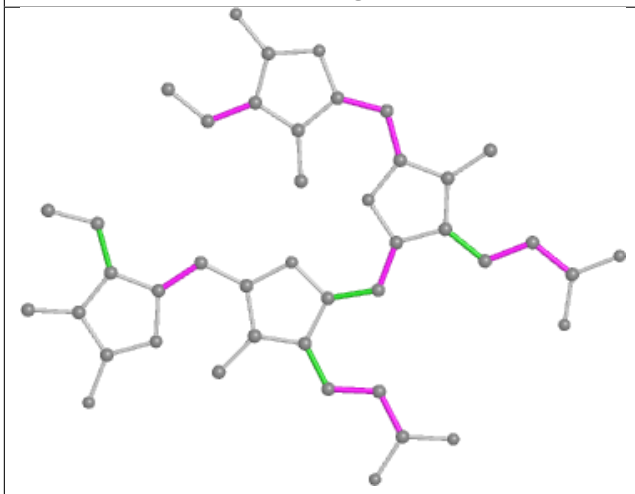

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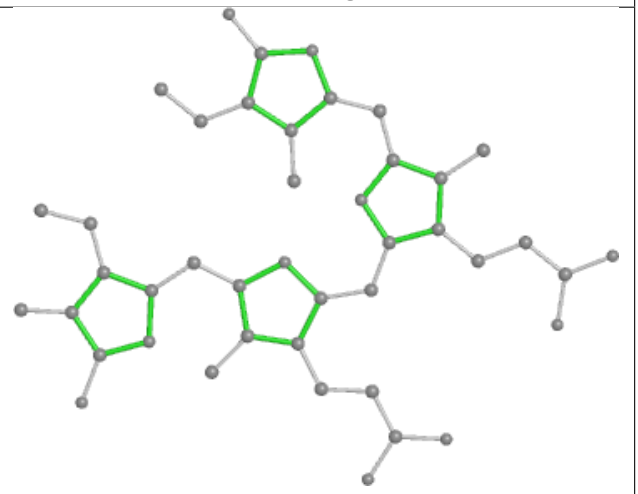
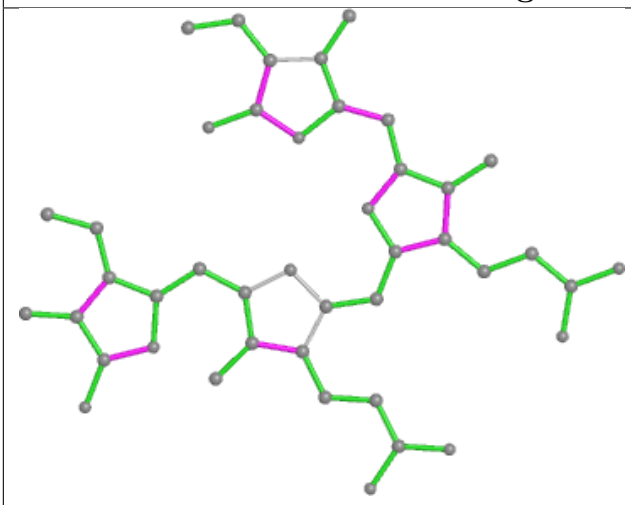


Rings

Ligand PUB p3 203



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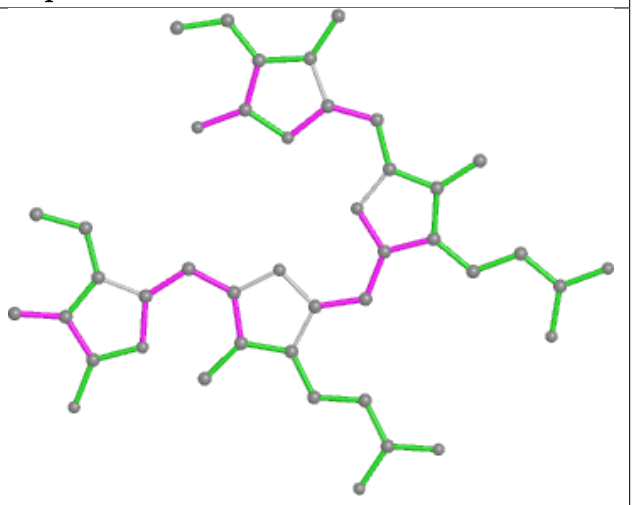

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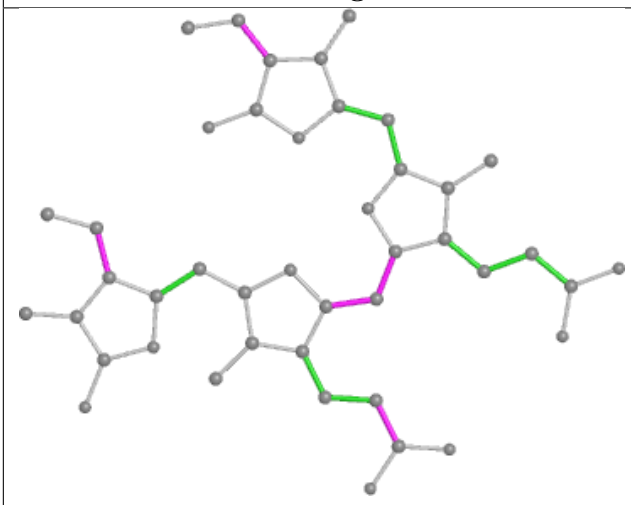

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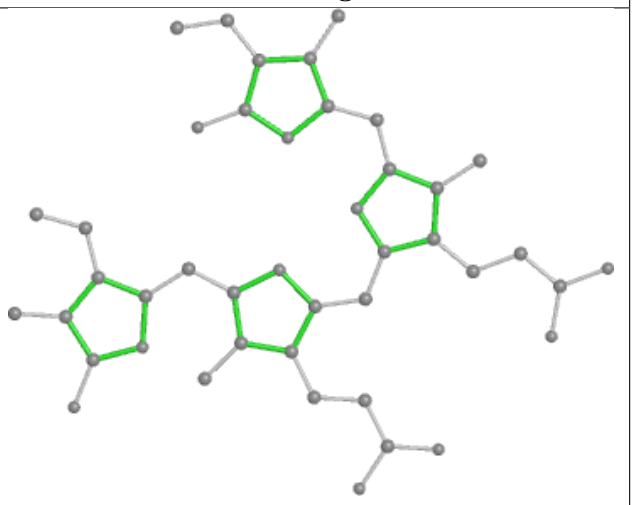
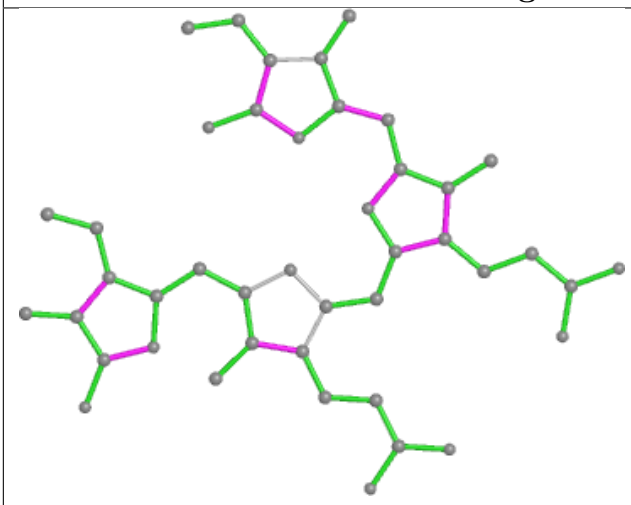


Rings

Ligand PUB cJ 203



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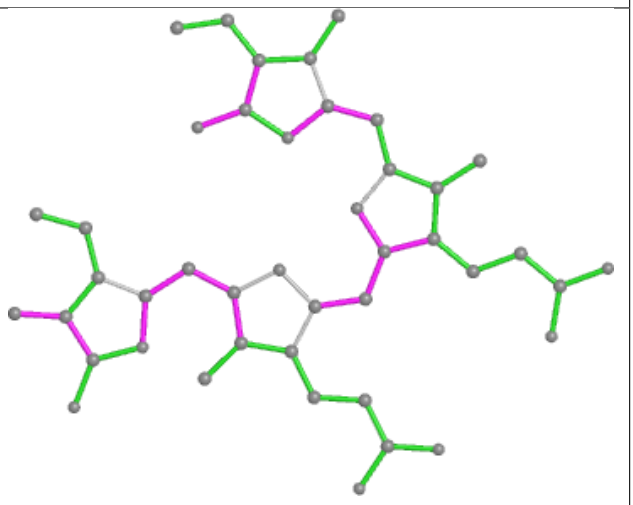

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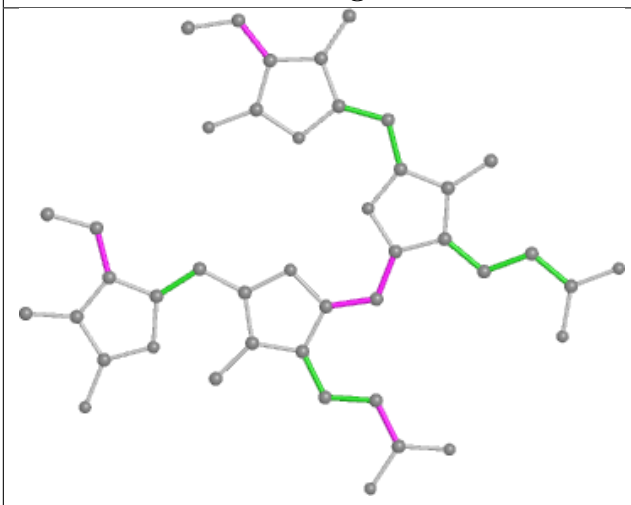

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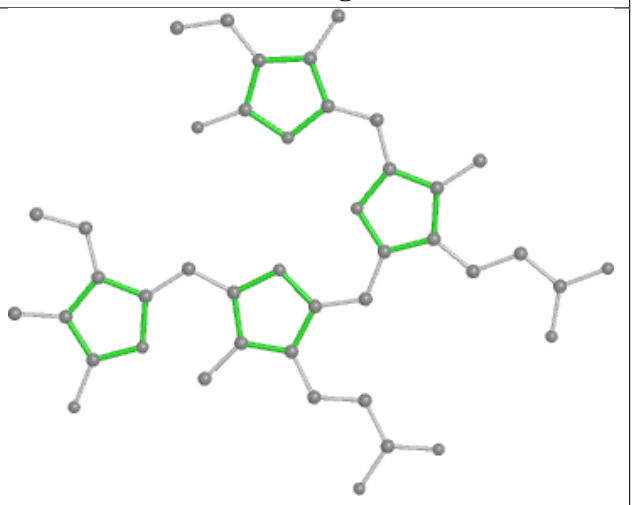
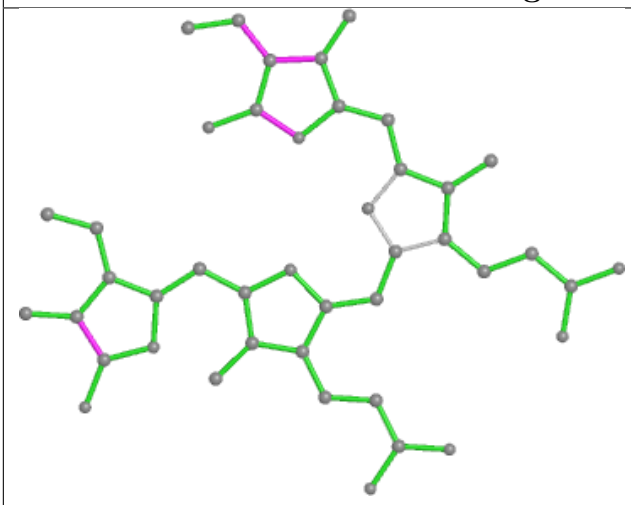


Rings

Ligand PEB lq 201



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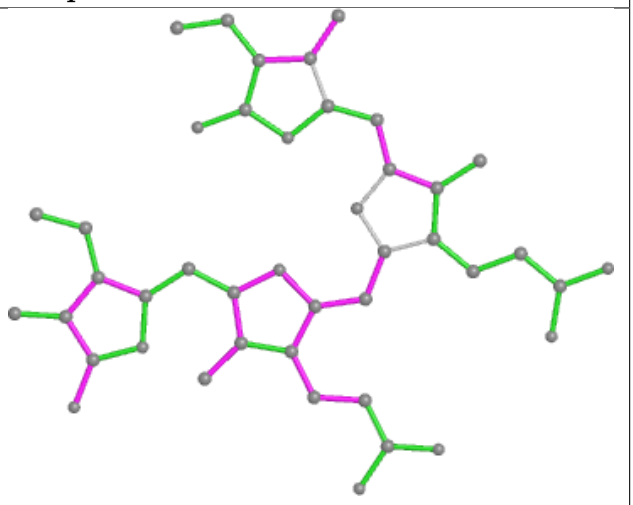

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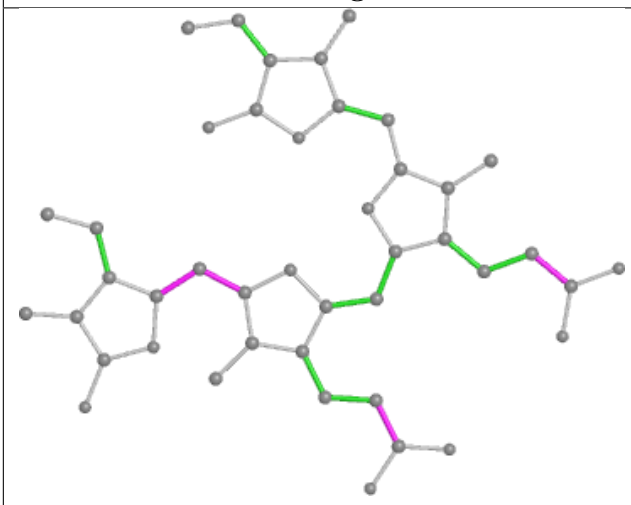

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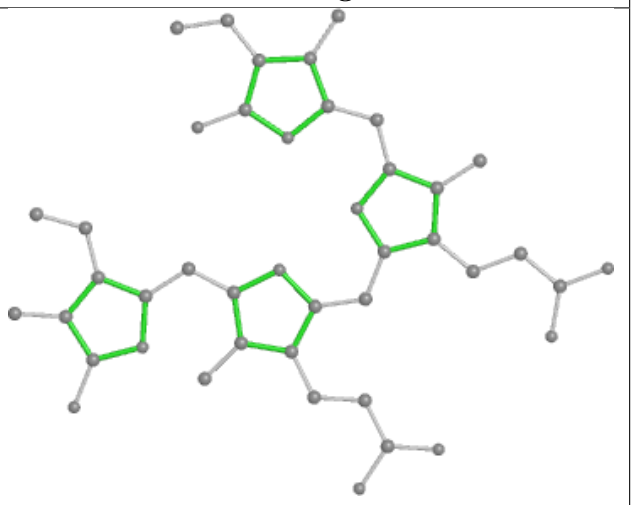
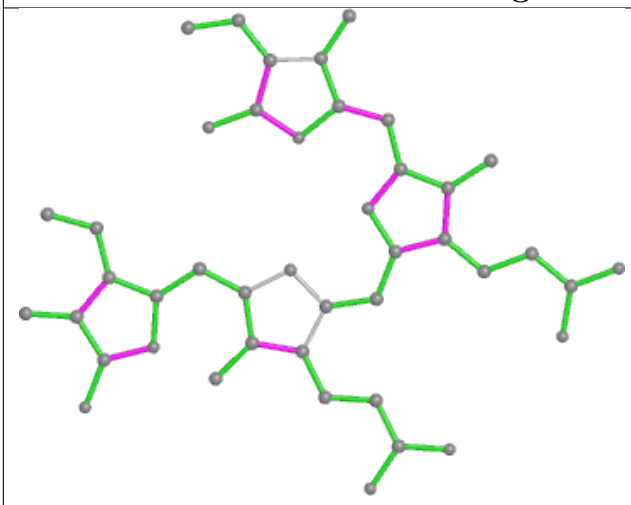


Rings

Ligand PUB dD 203



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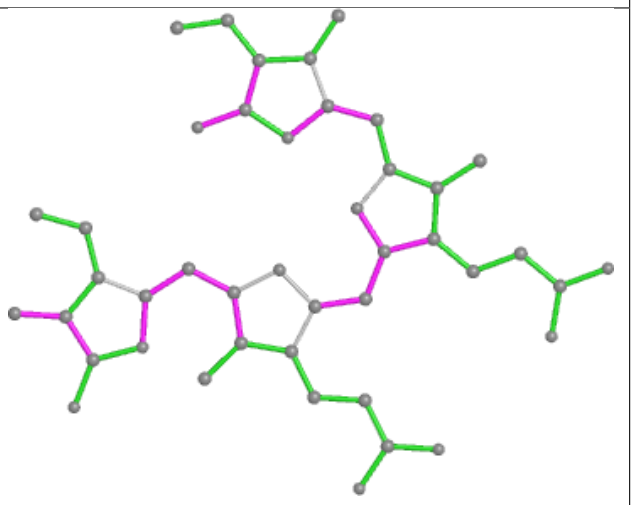

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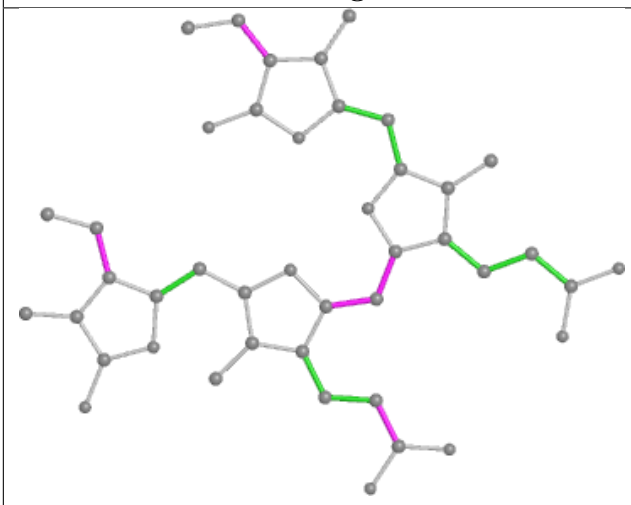

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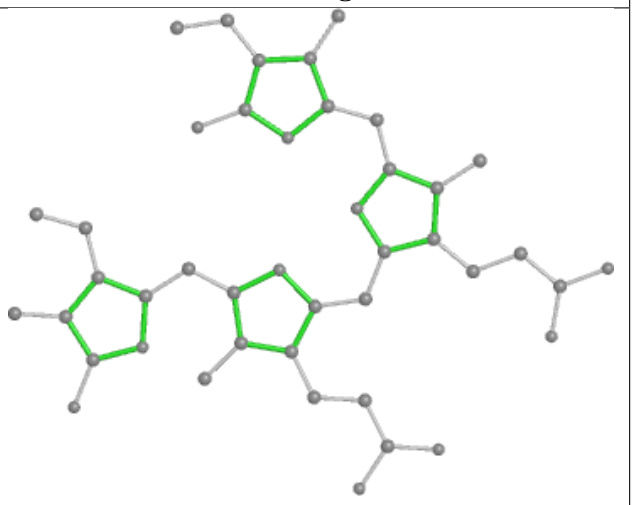
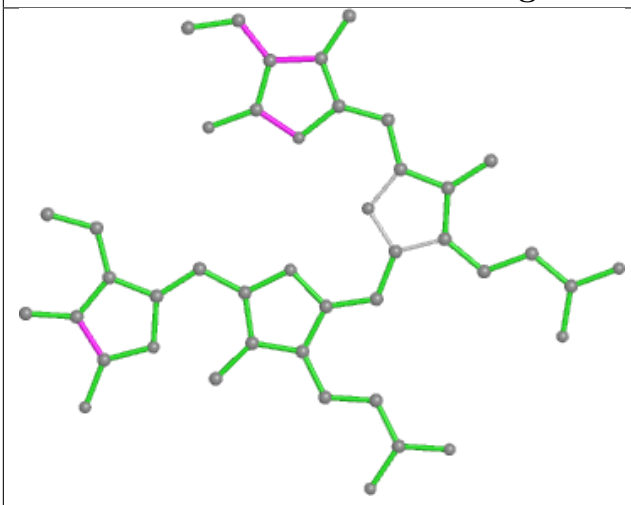


Rings

Ligand PEB h5 201



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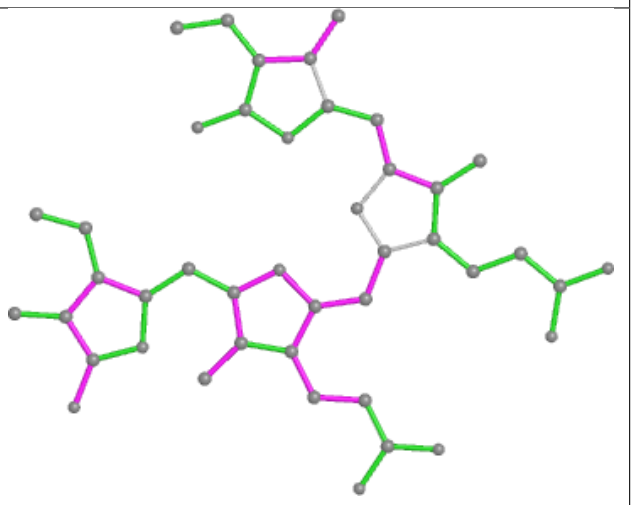

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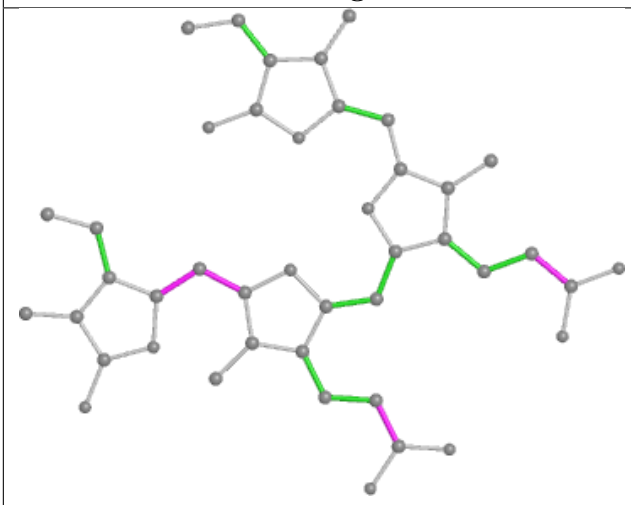

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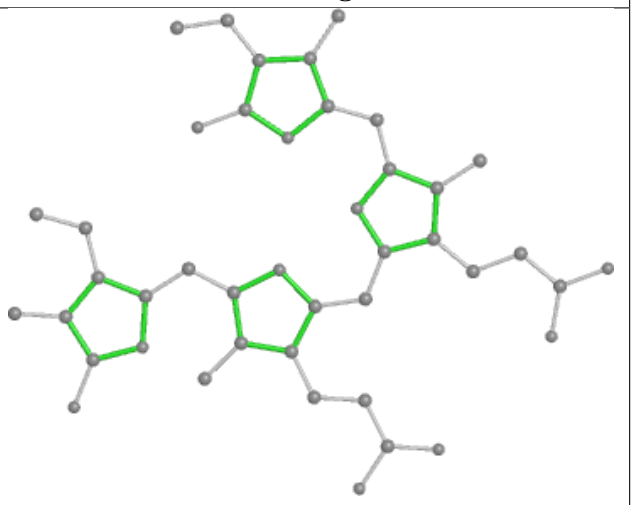
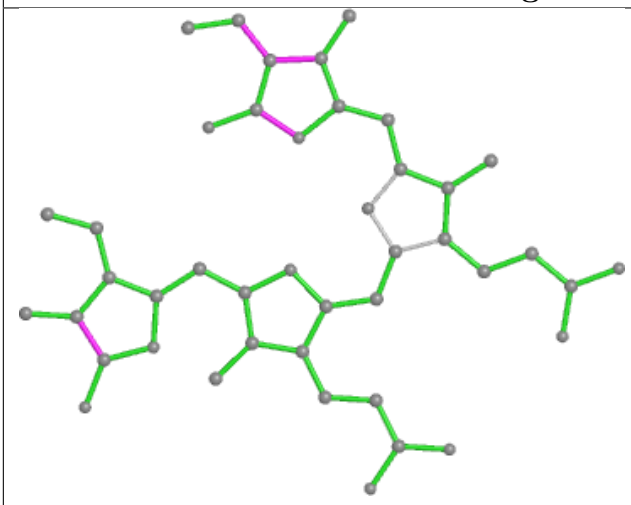


Rings

Ligand PEB s2 201



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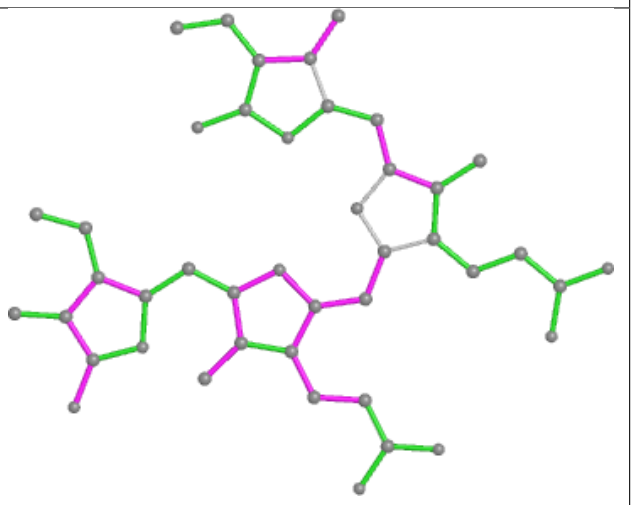

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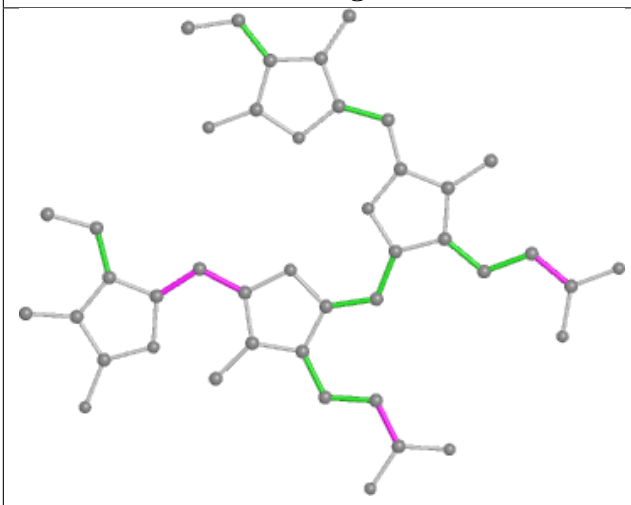

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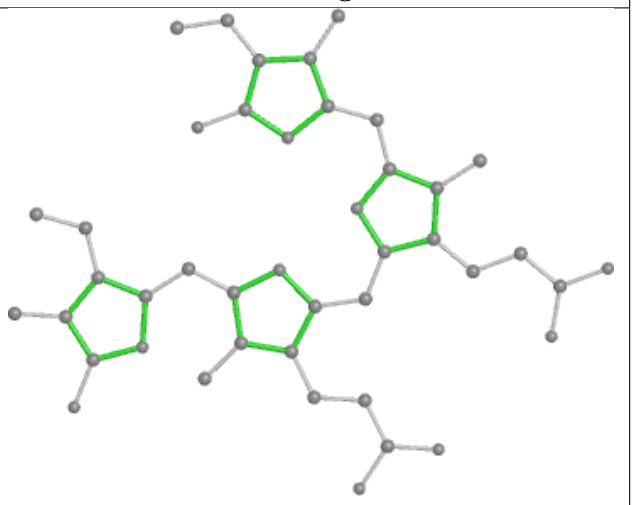
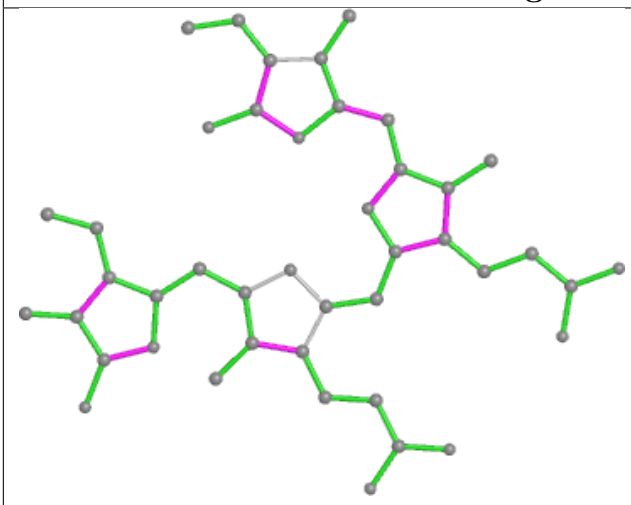


Rings

Ligand PUB lf 203



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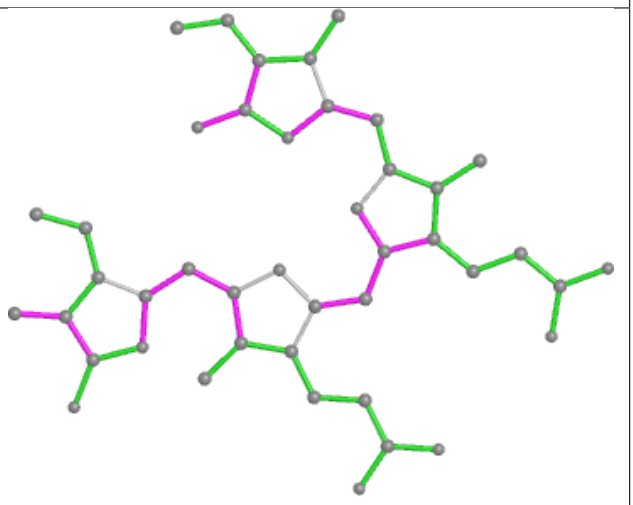

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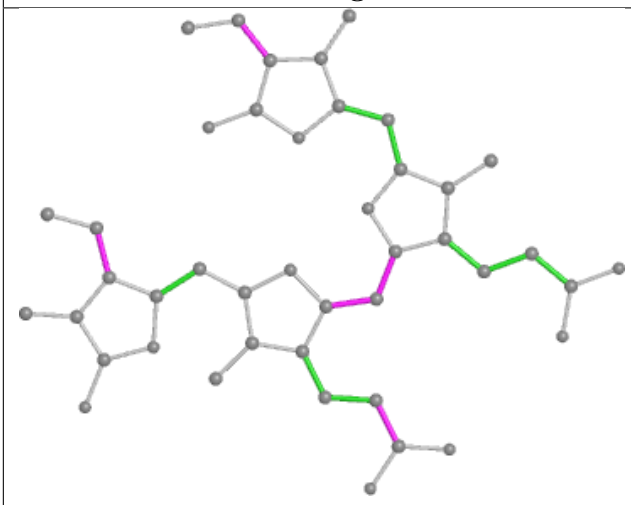

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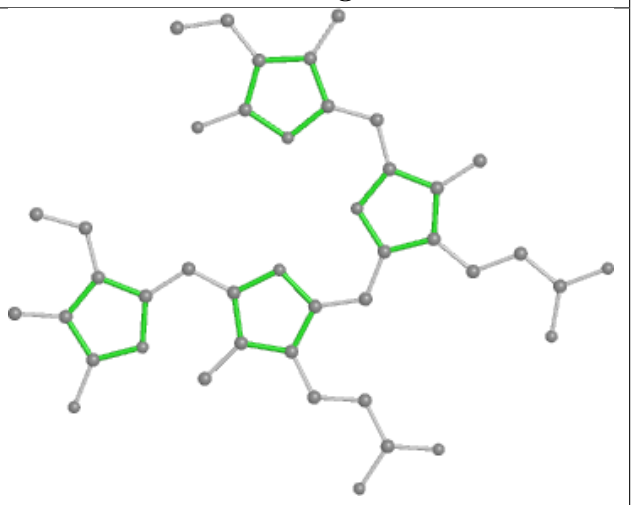
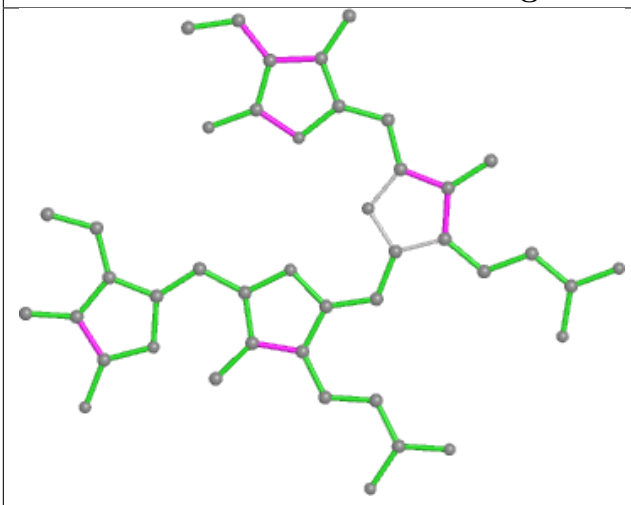


Rings

Ligand PEB e4 202



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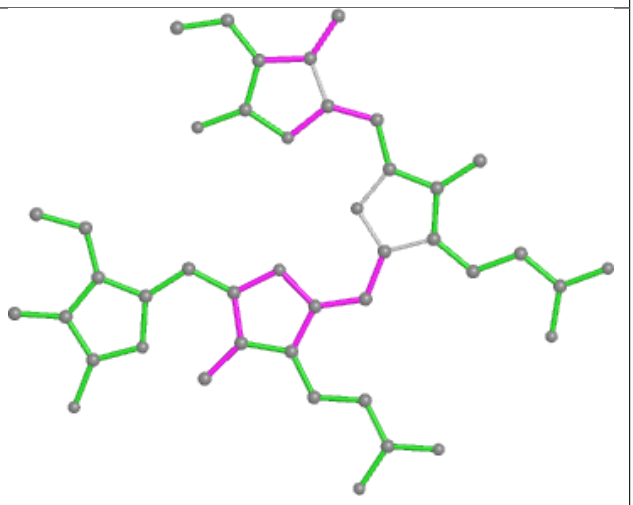
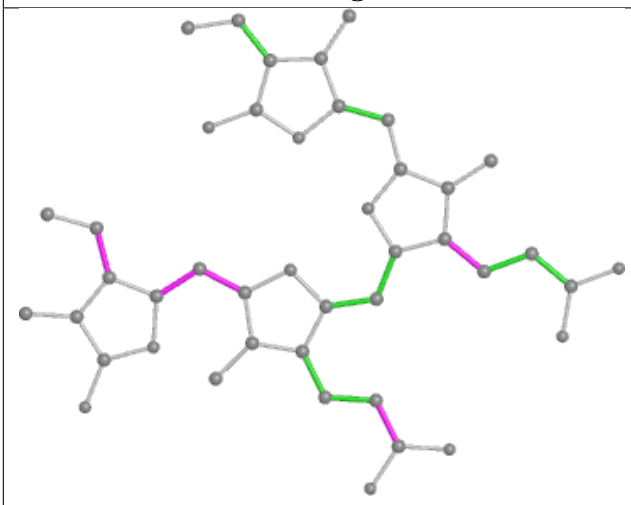


Bond angles



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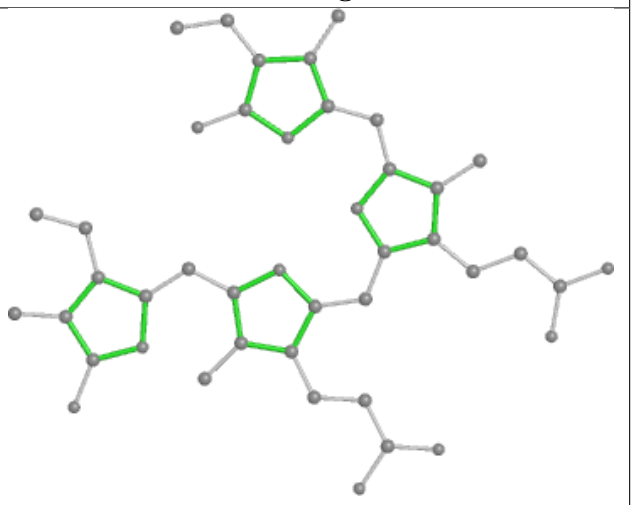
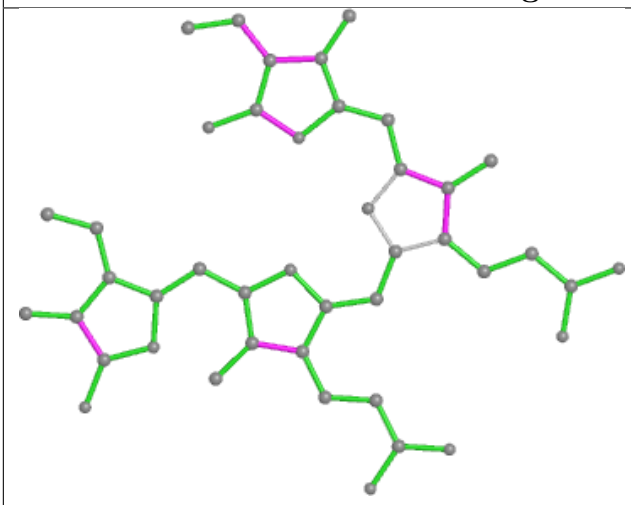


Rings

Ligand PEB t5 202



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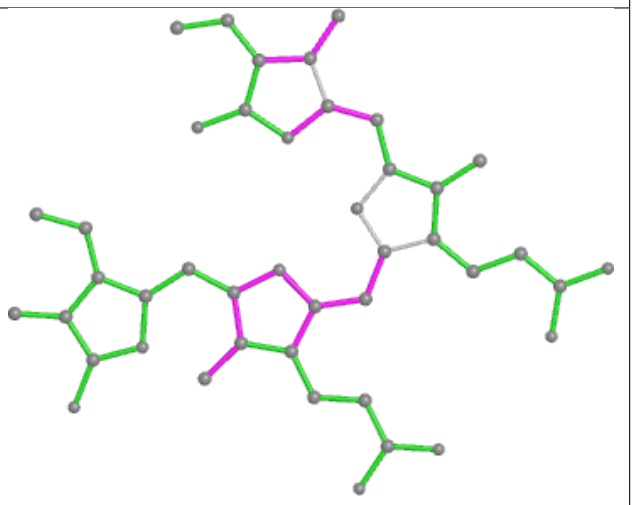
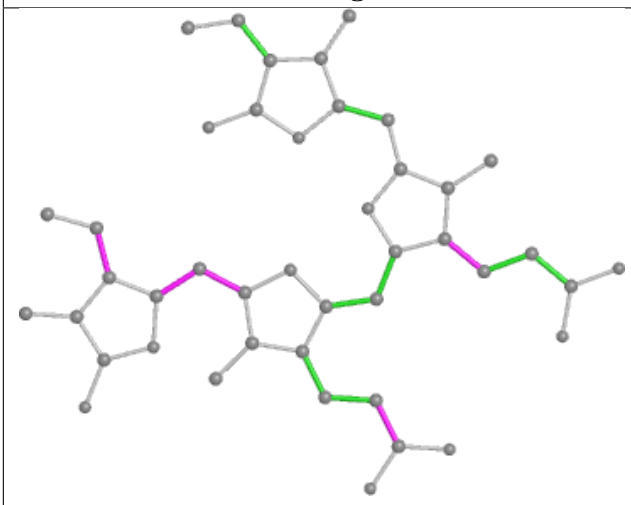
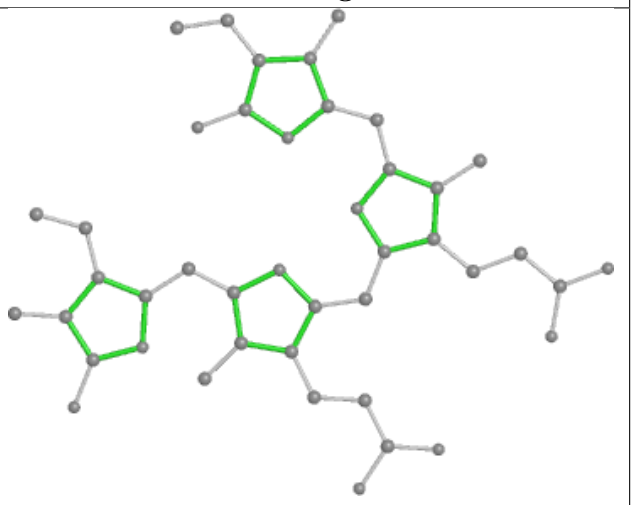


Bond angles

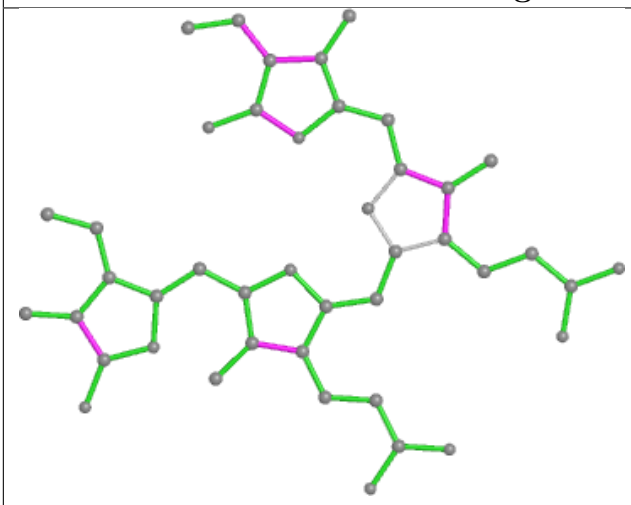


Torsions



Rings

Ligand PEB bD 202



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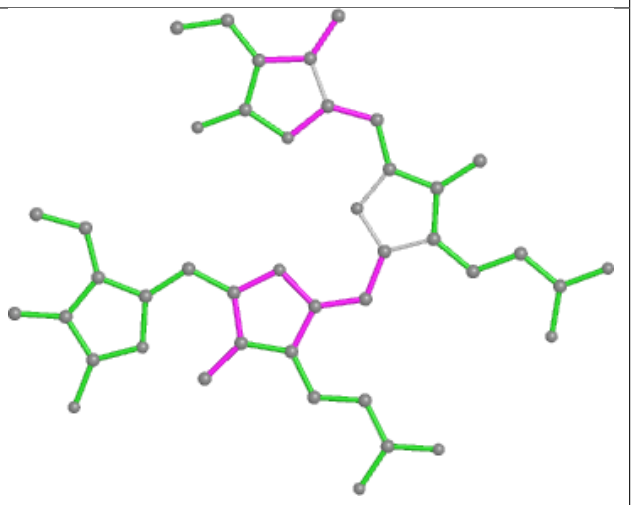

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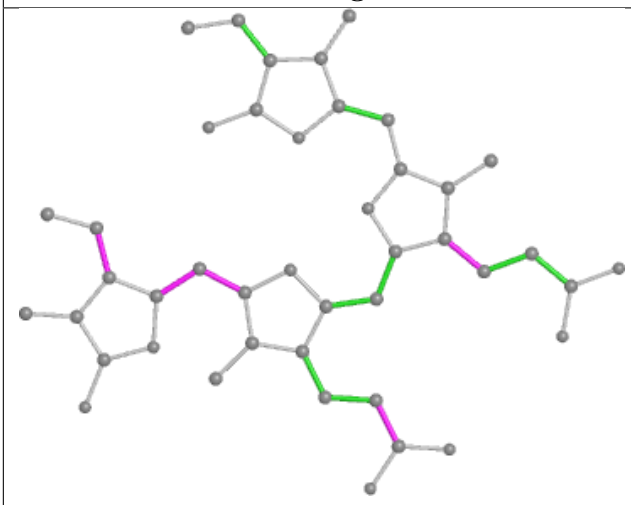

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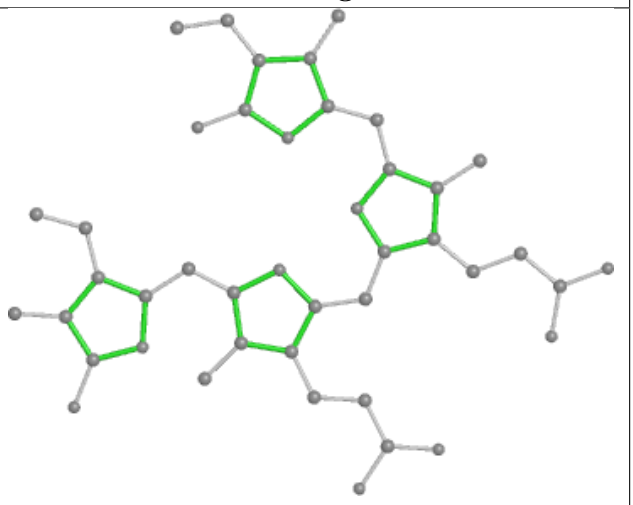
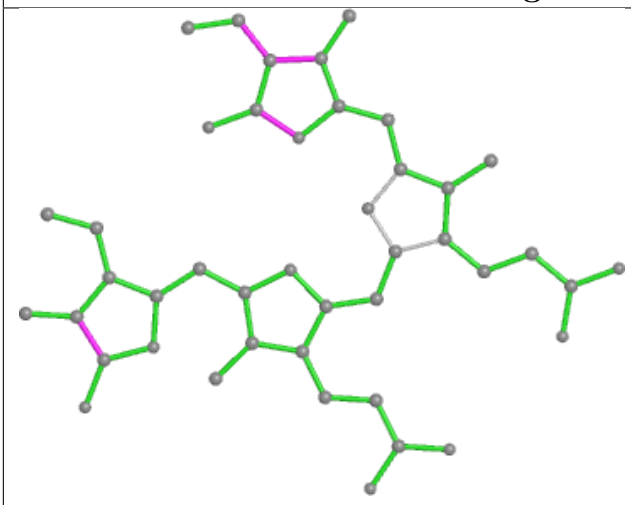


Rings

Ligand PEB f6 201



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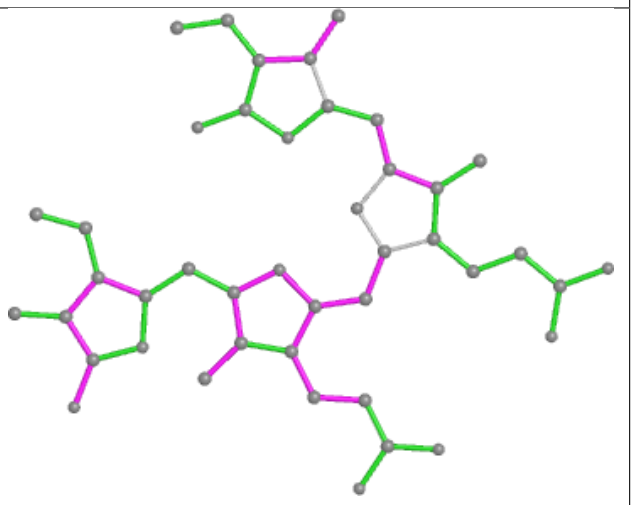

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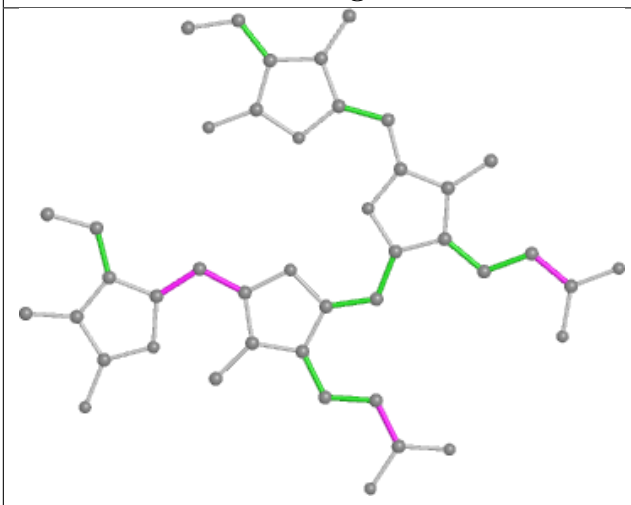

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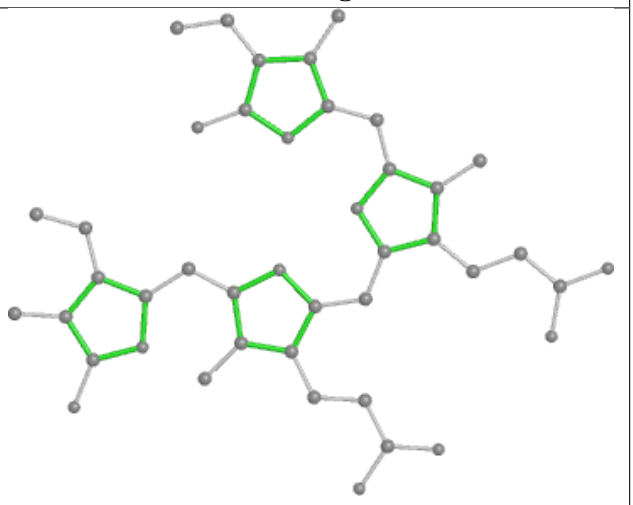

Rings

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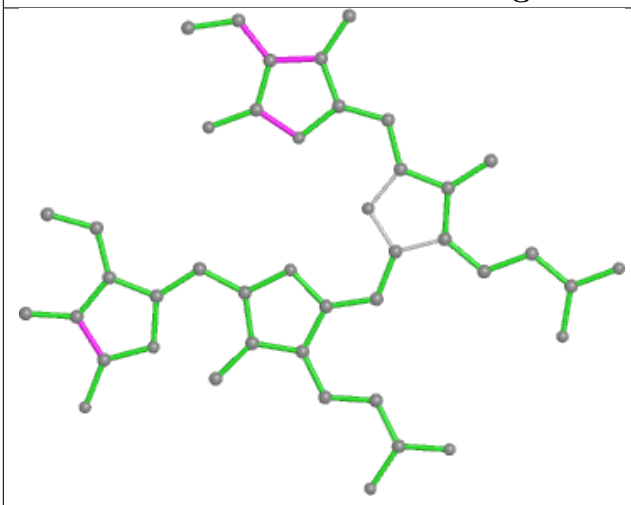

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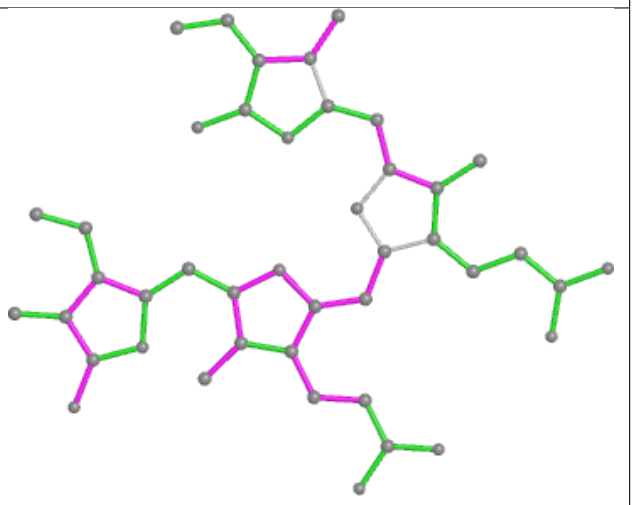

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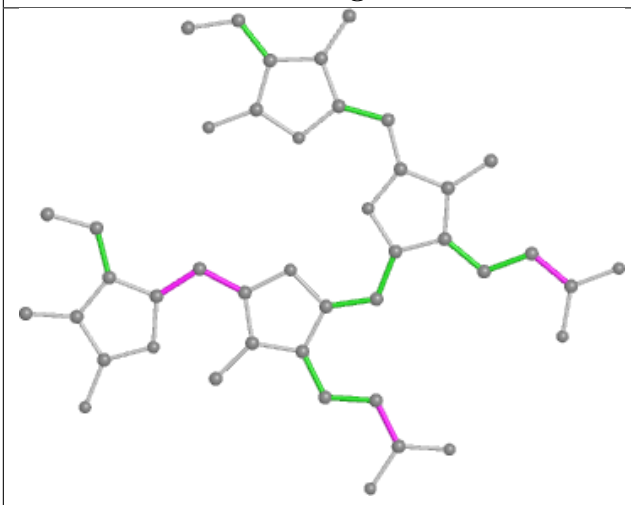

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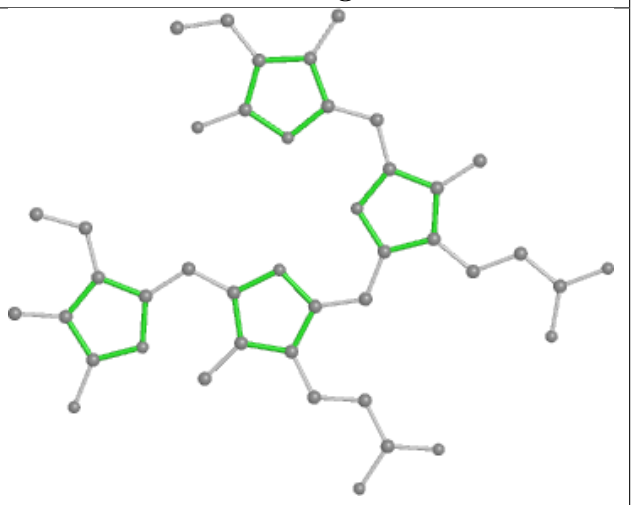
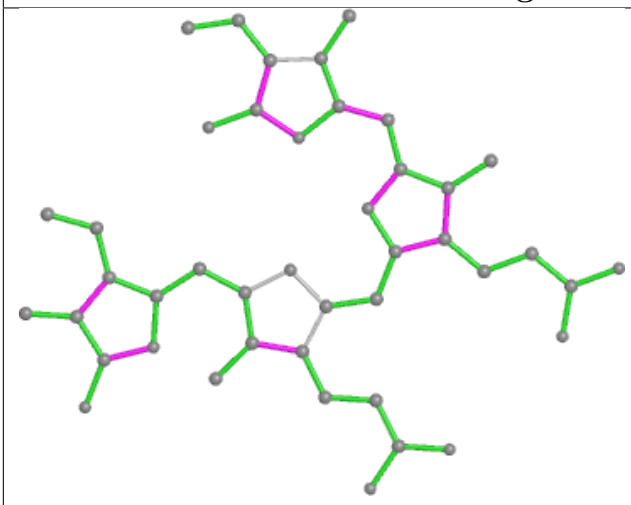


Rings

Ligand PUB bo 202



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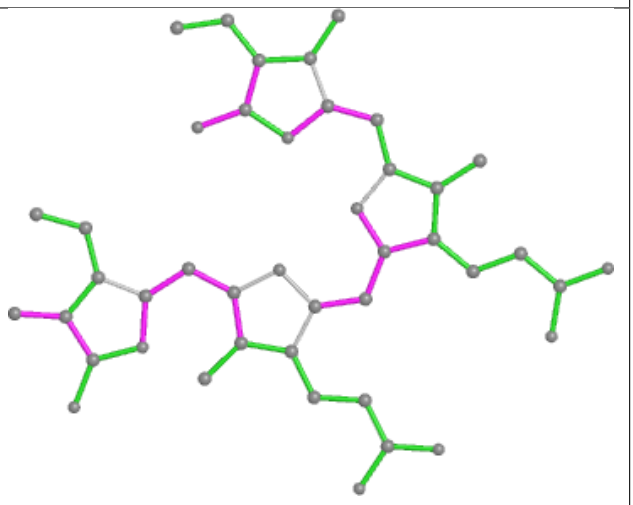

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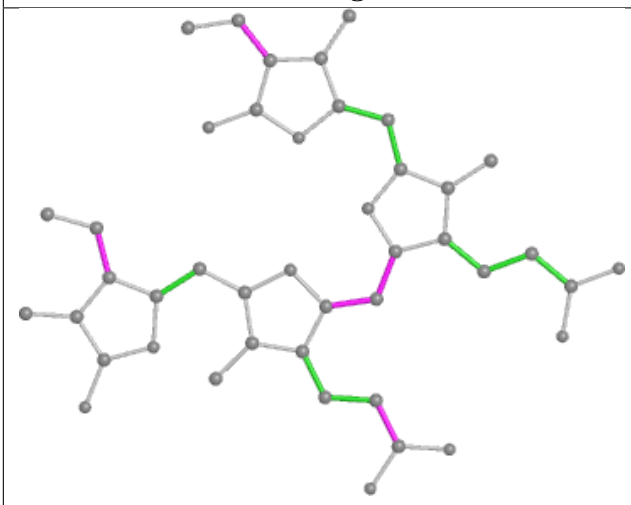

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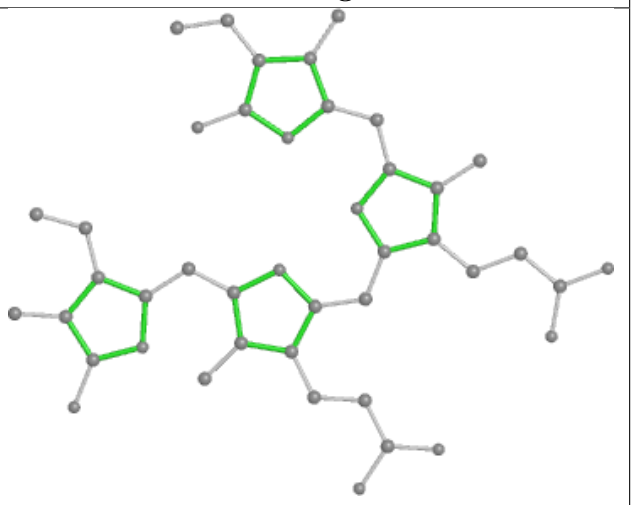

Rings

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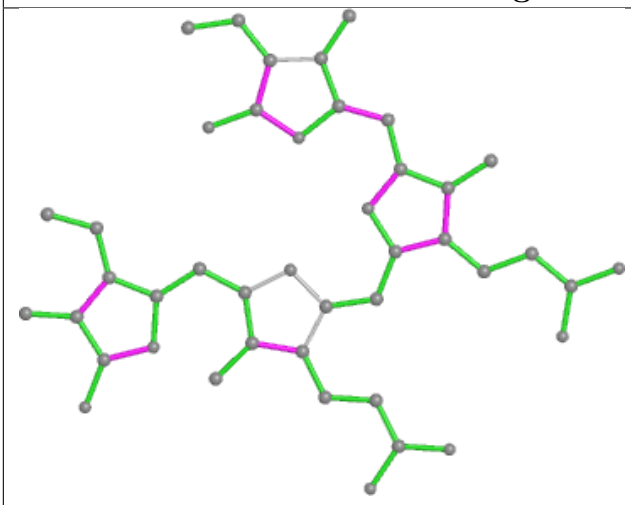

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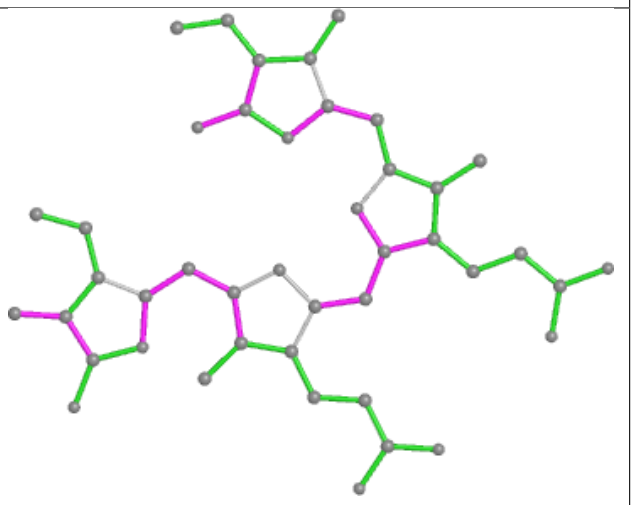

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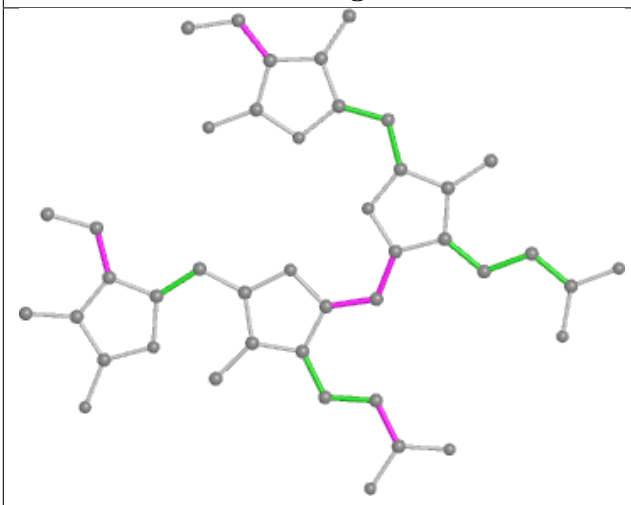

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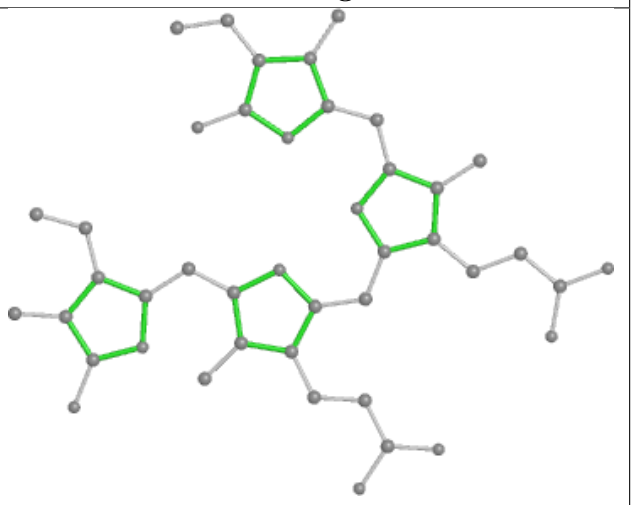

Rings

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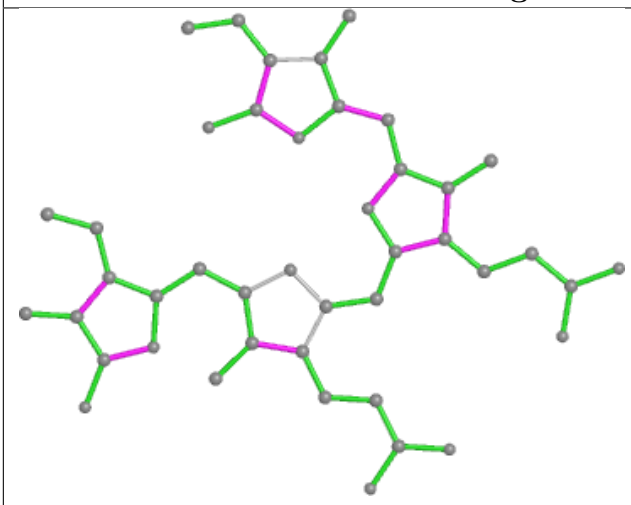

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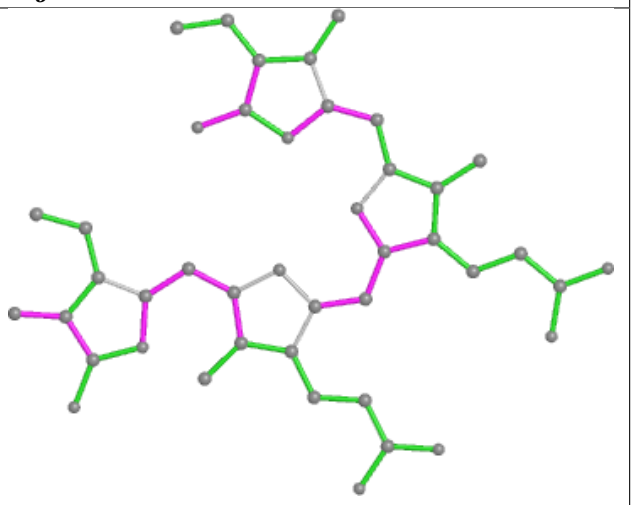

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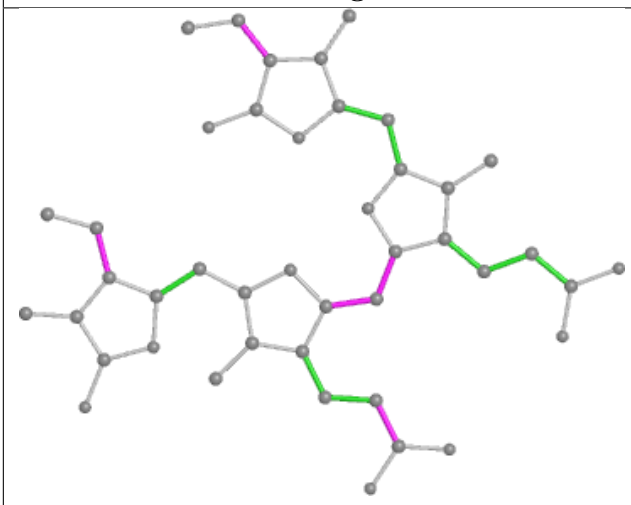

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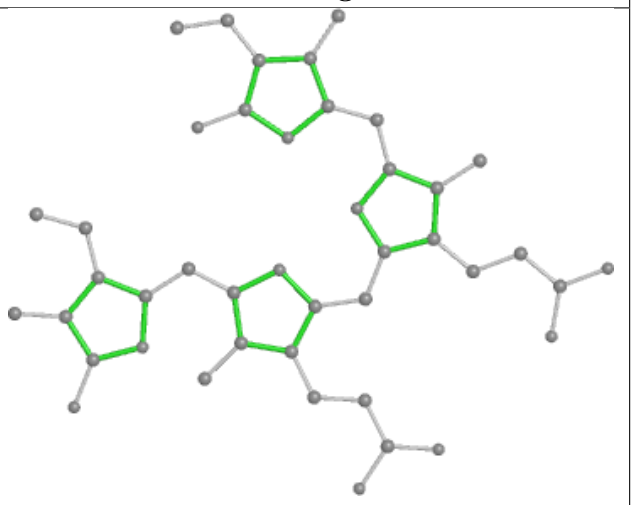

Rings

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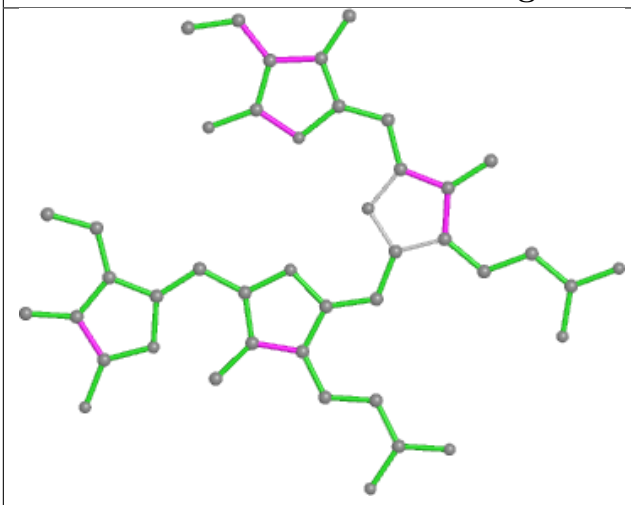

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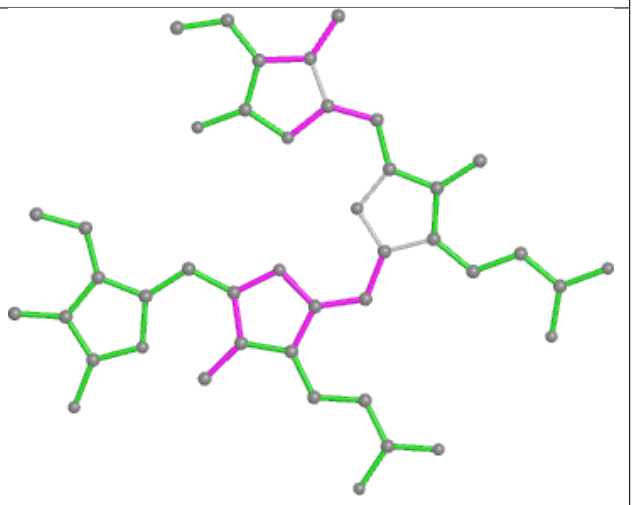

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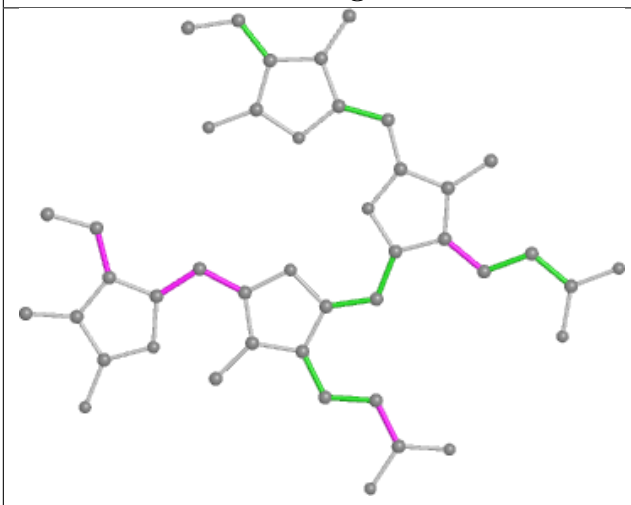

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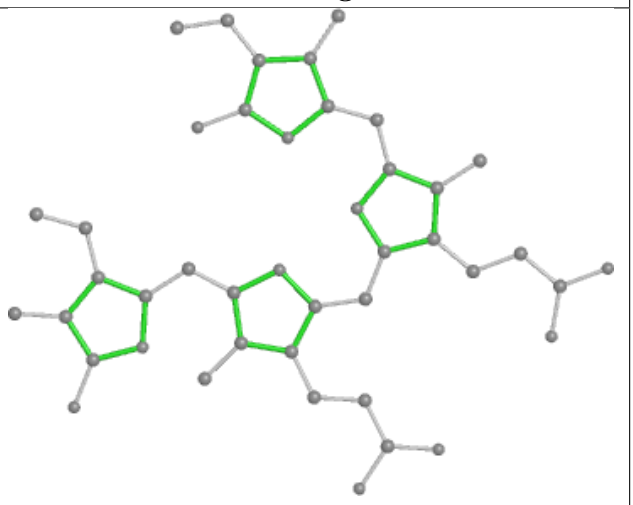
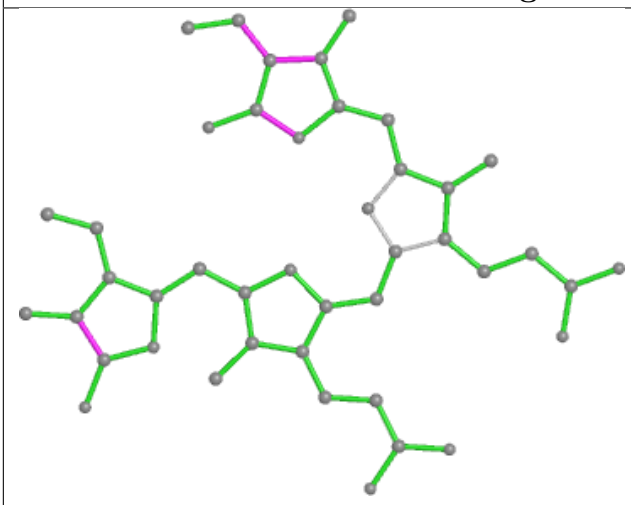


Rings

Ligand PEB cu 201



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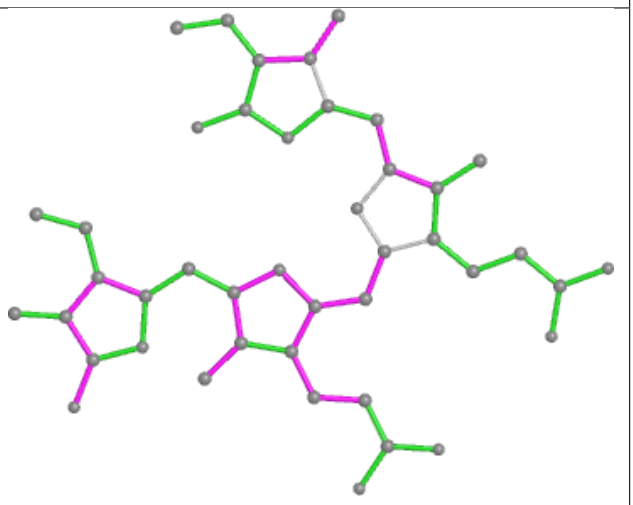

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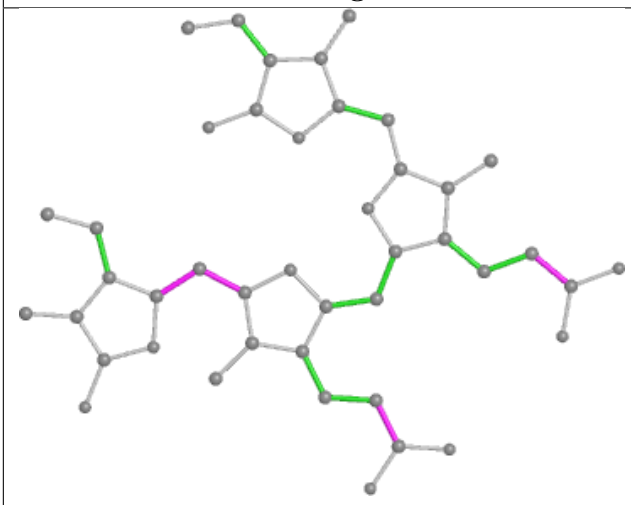

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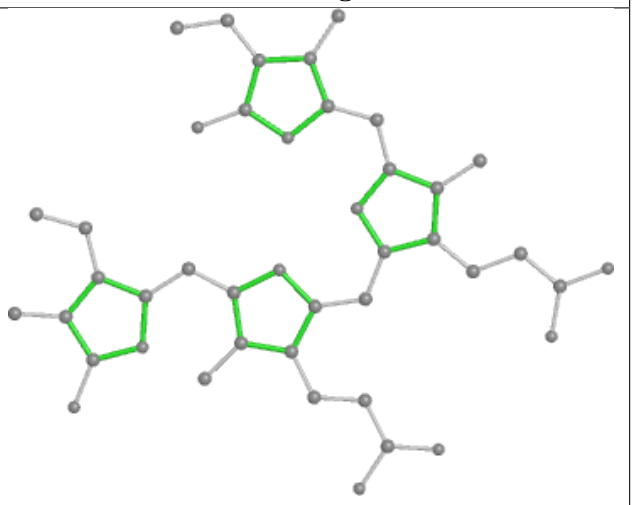

Rings

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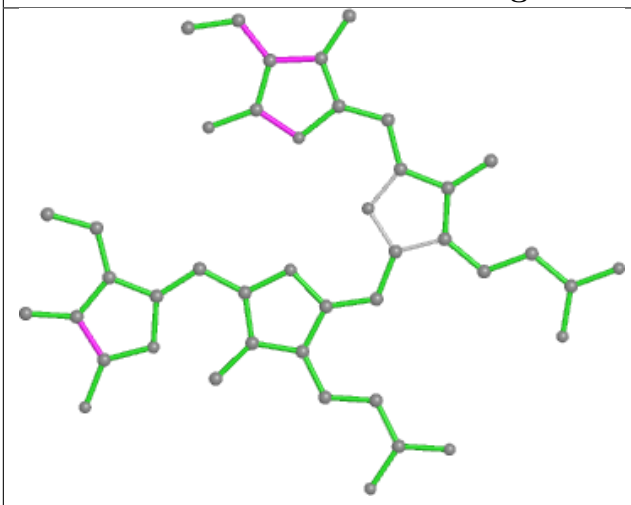

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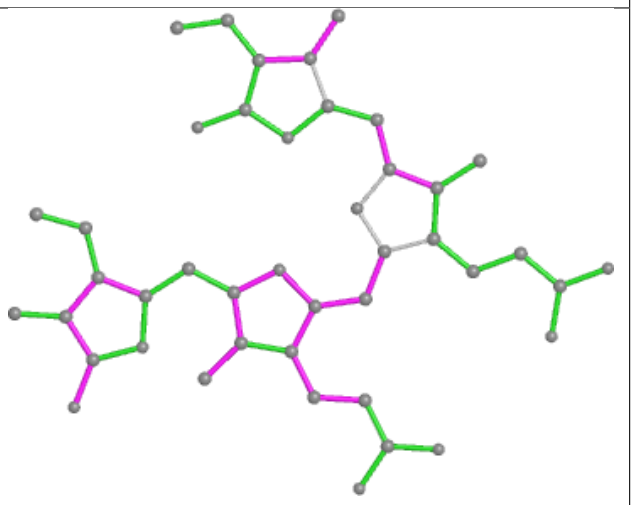

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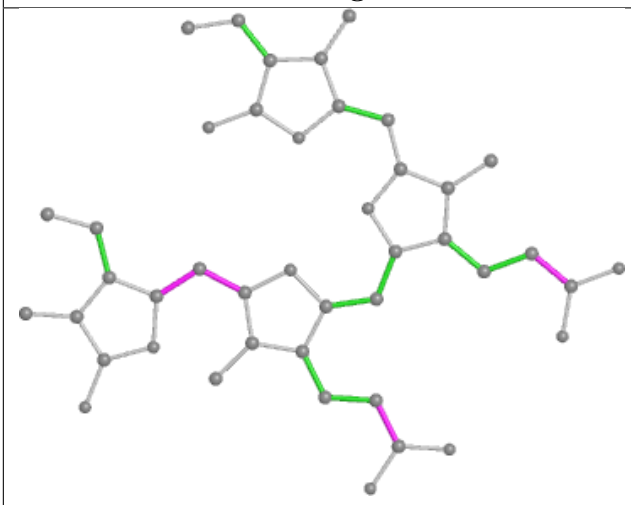

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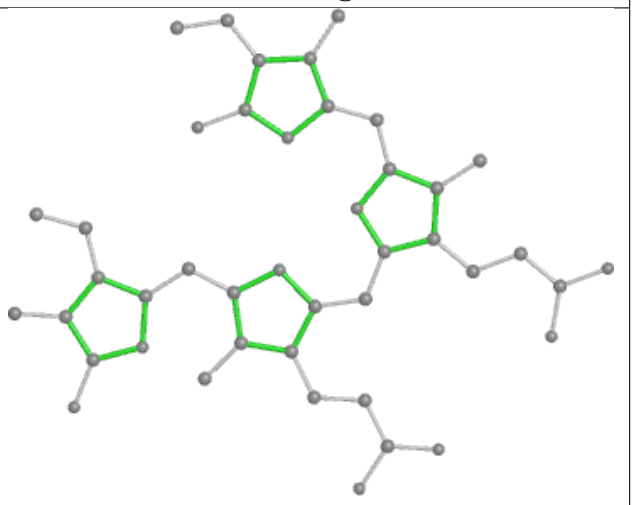
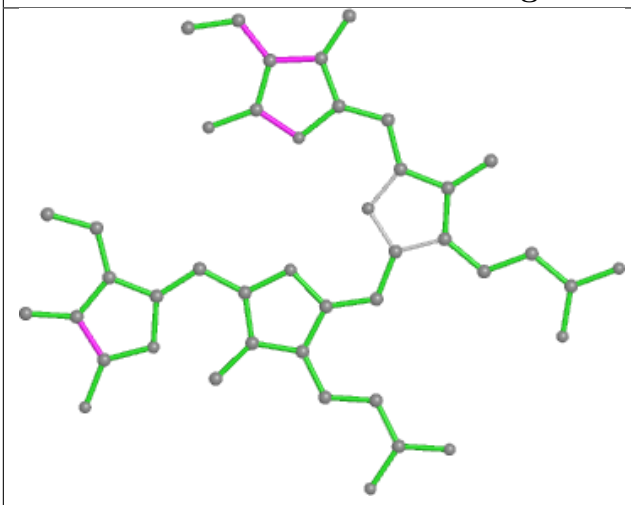


Rings

Ligand PEB z9 202



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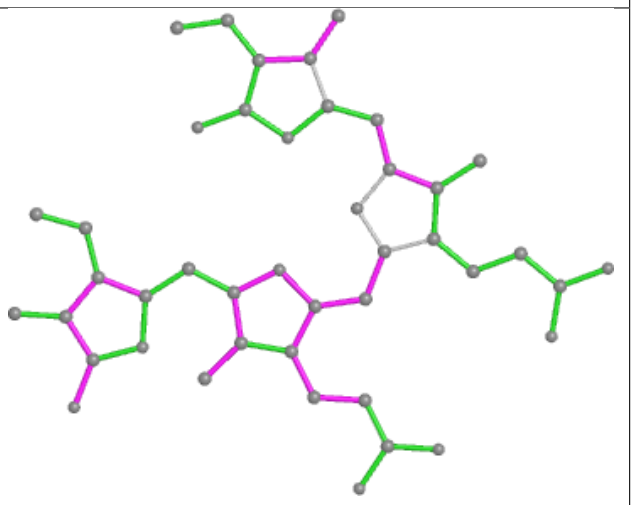

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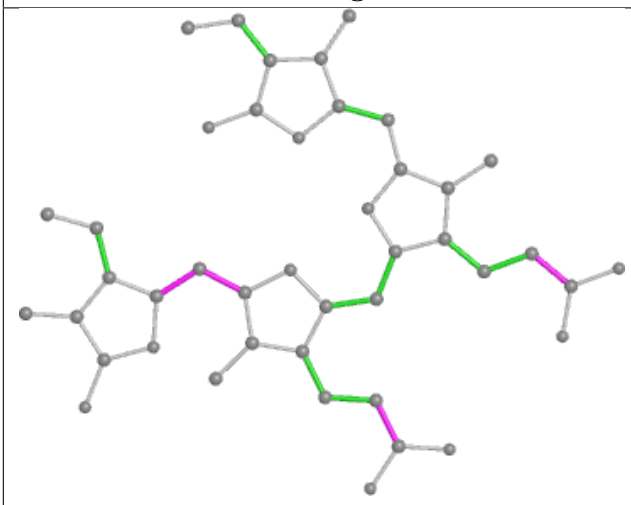

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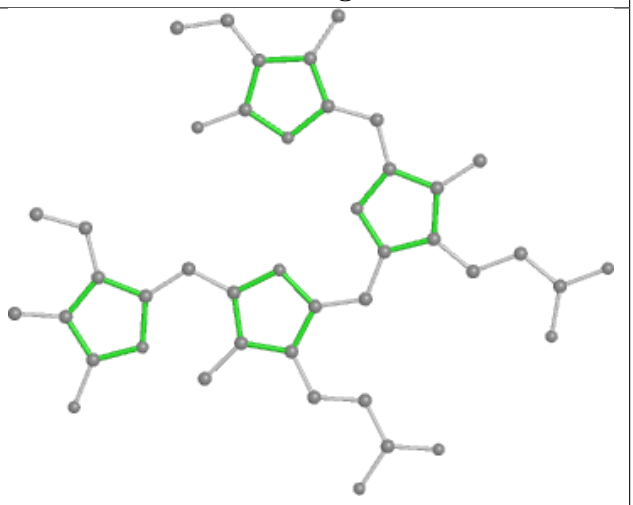

Rings

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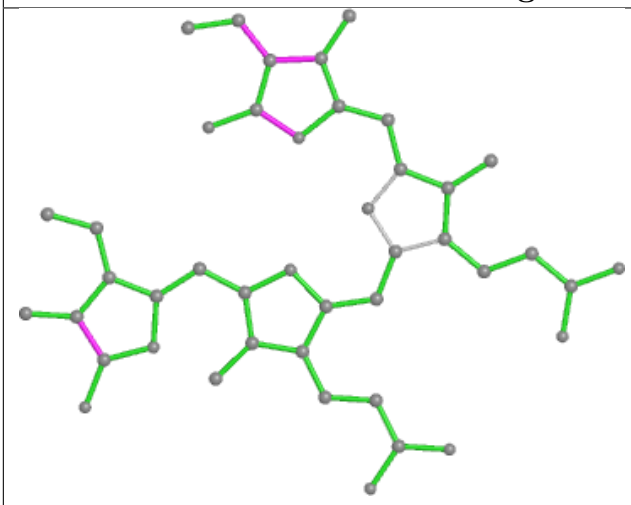

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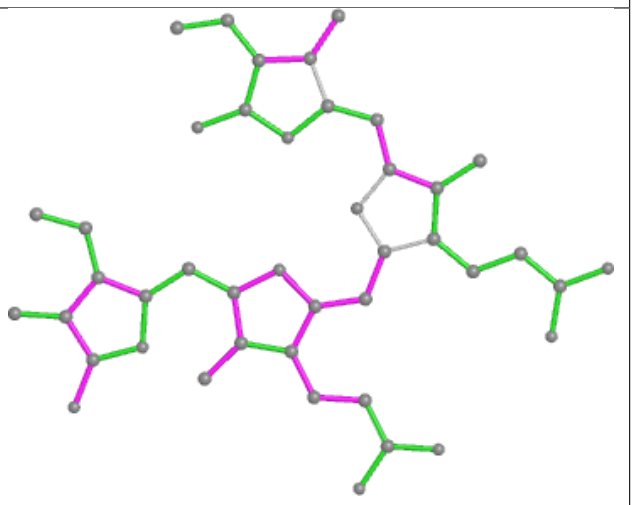

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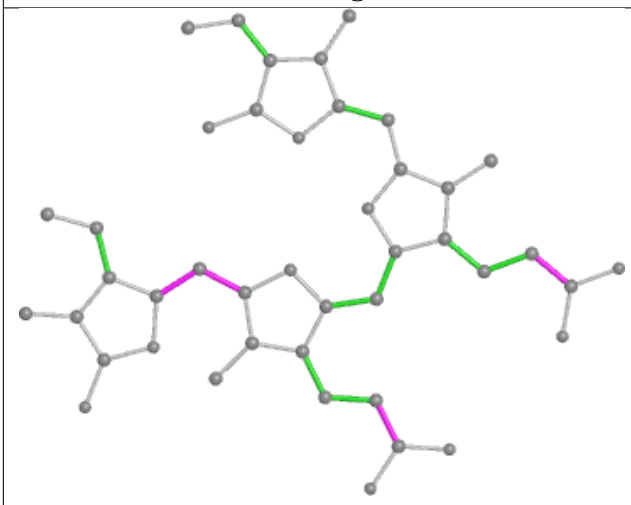

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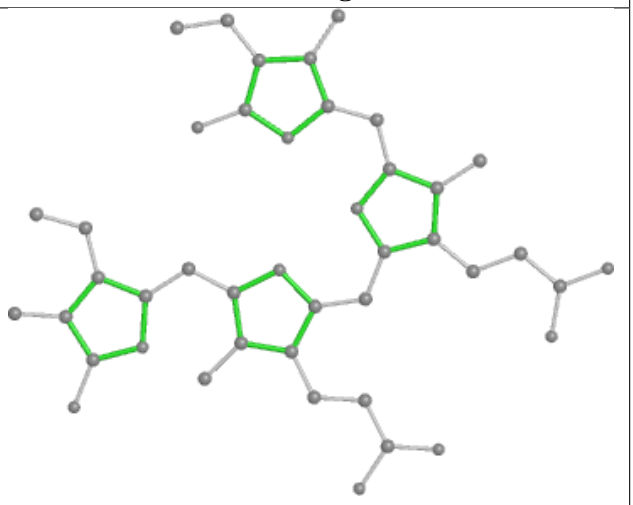
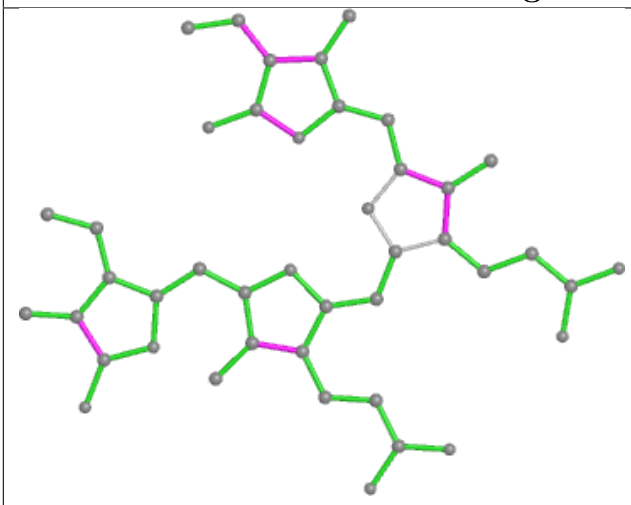


Rings

Ligand PEB f3 202



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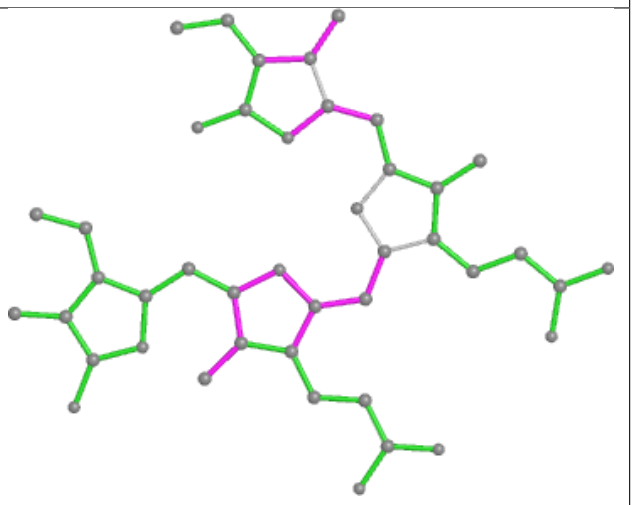

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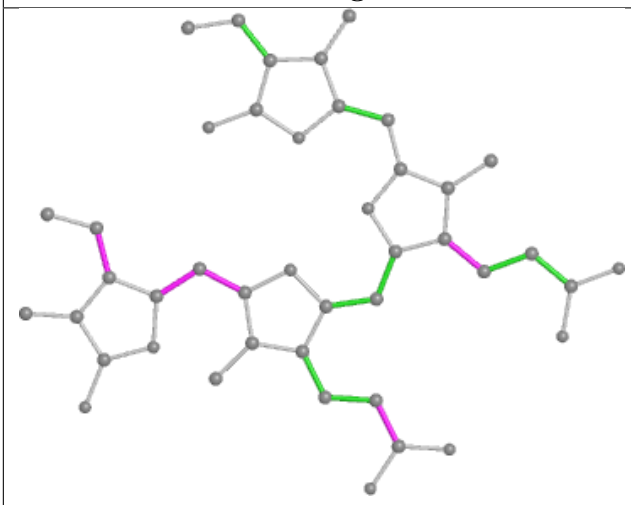

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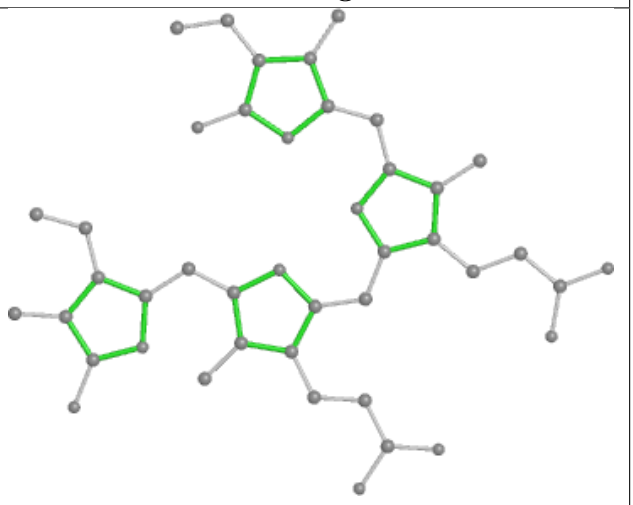

Rings

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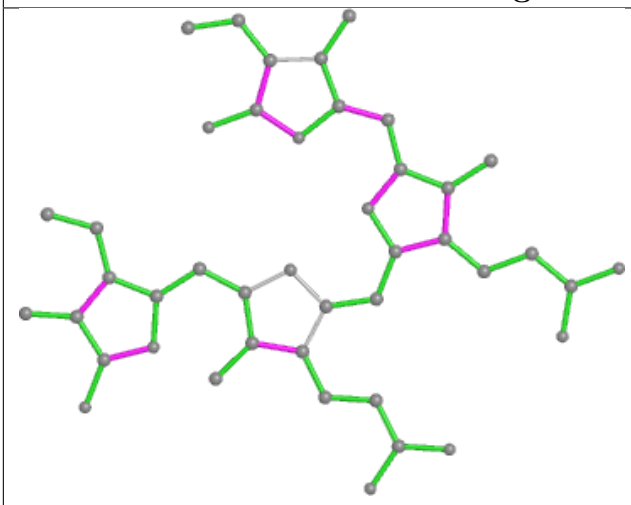

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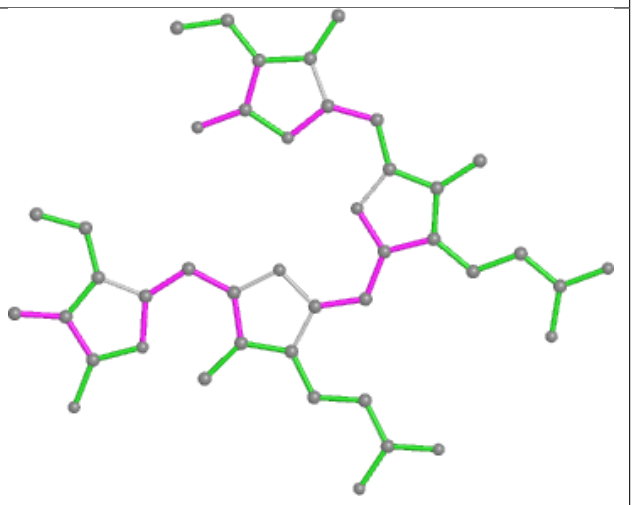

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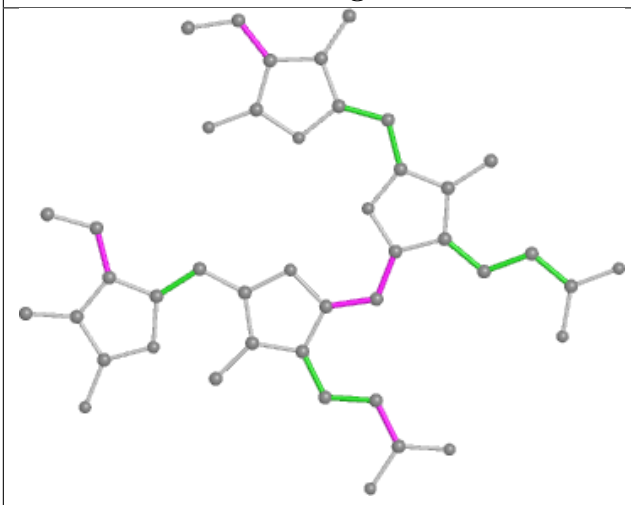

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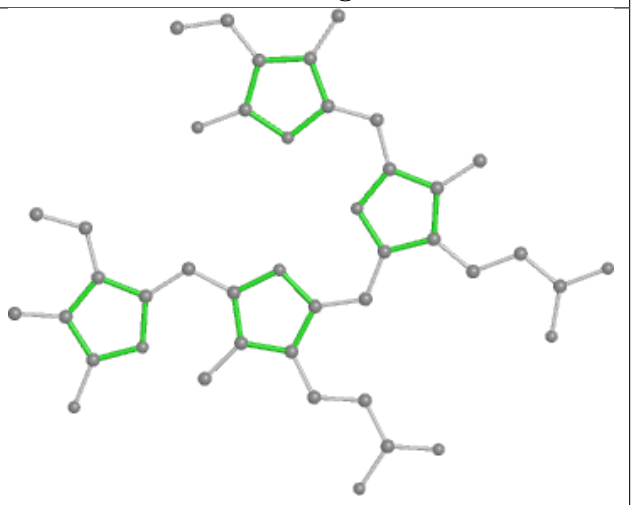
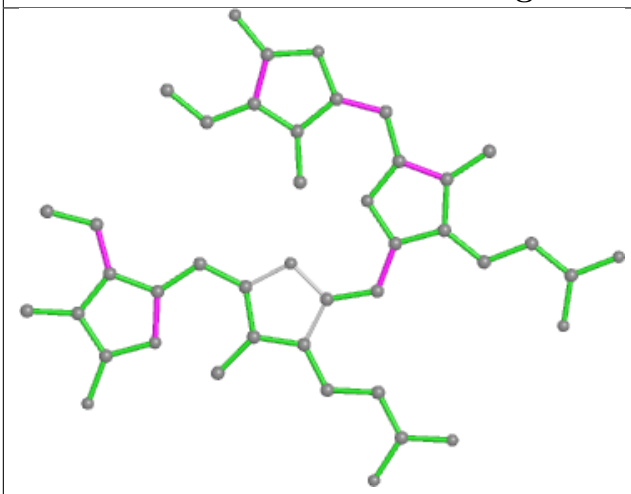


Rings

Ligand PVN d9 304



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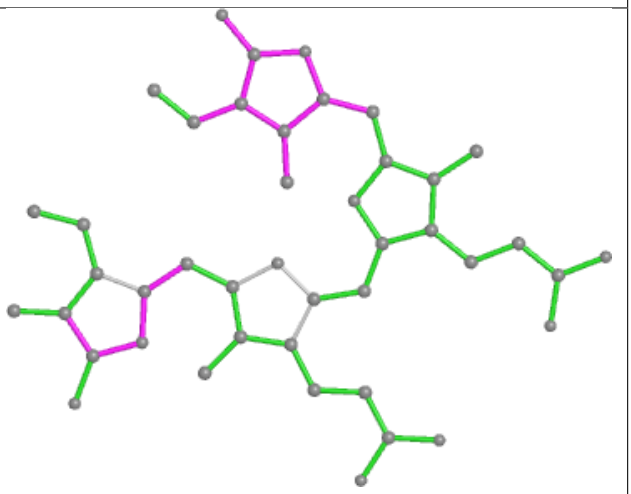

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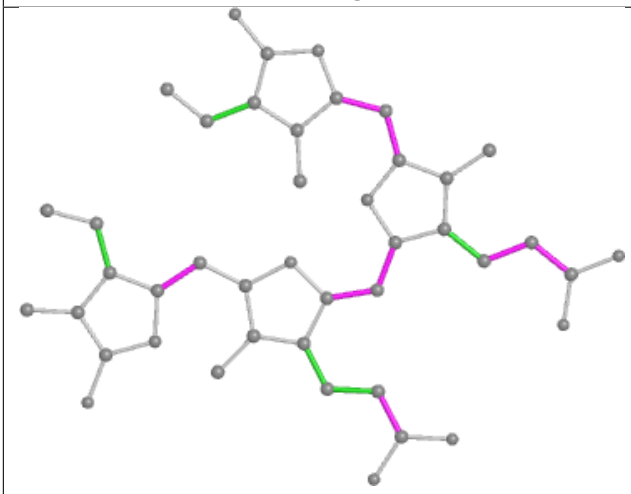
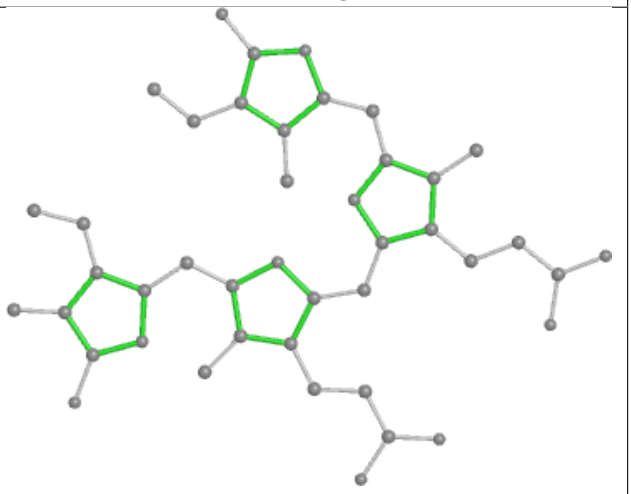
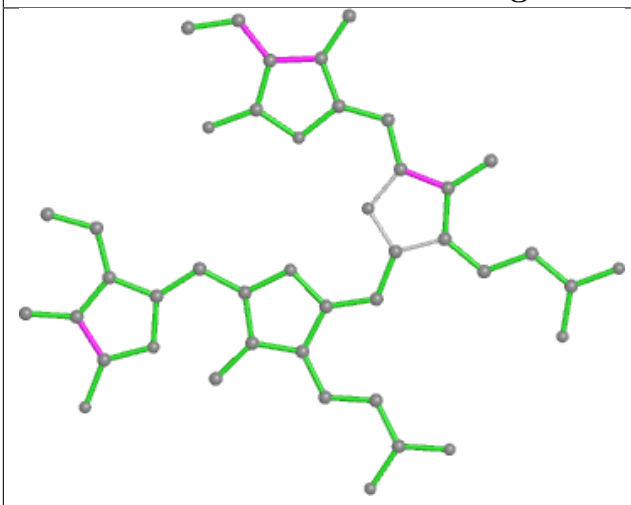


Torsions



Rings

Ligand PEB y5 1002



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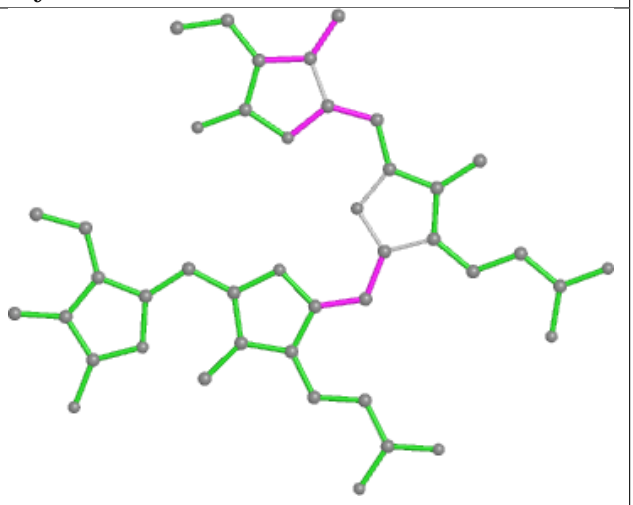

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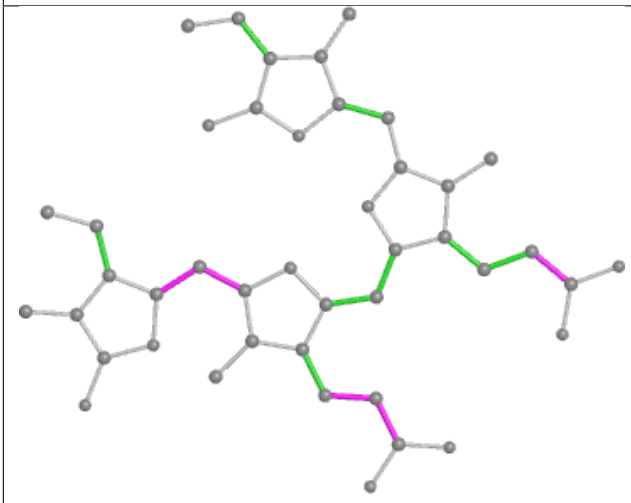

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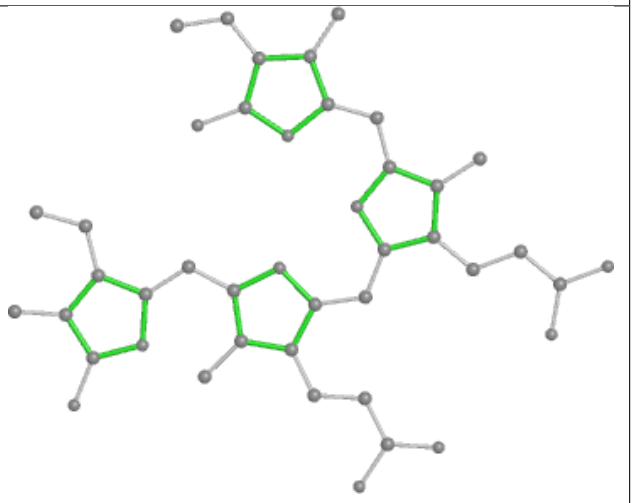
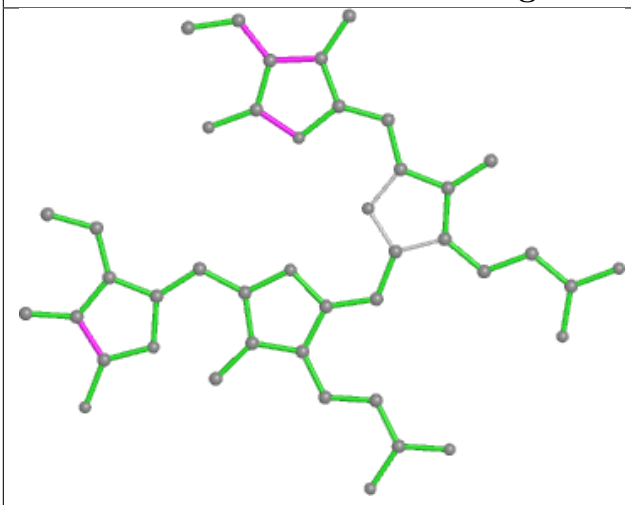


Rings

Ligand PEB S8 401



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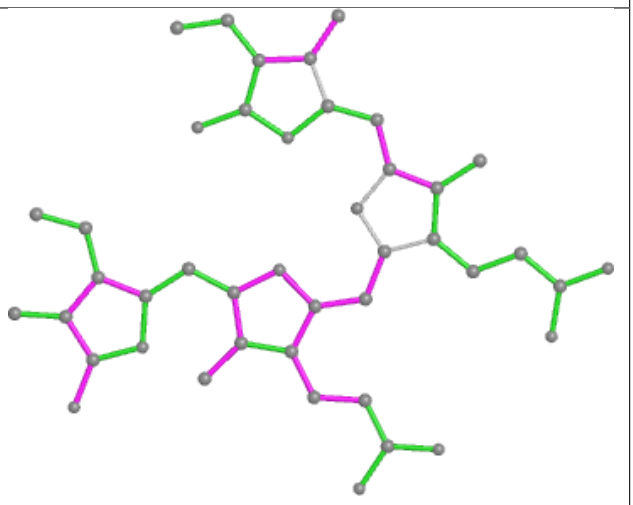

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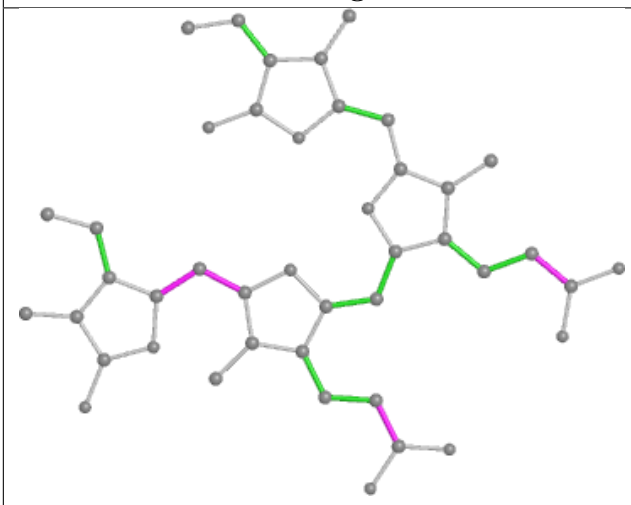

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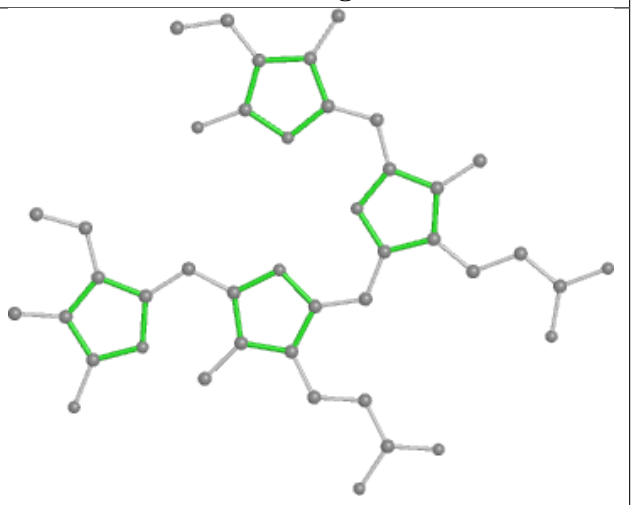
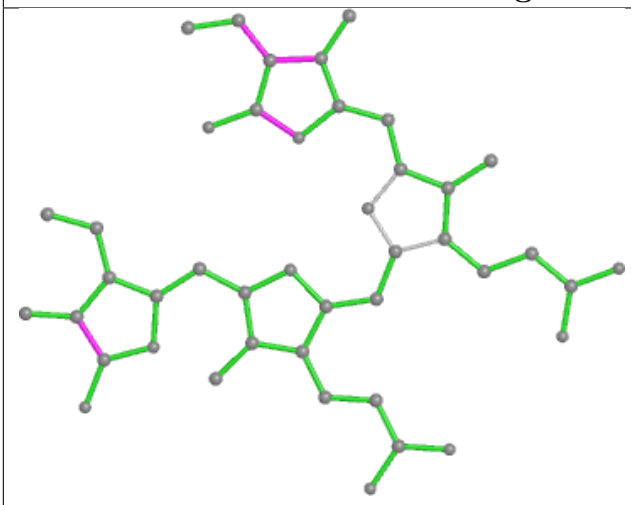


Rings

Ligand PEB N7 201



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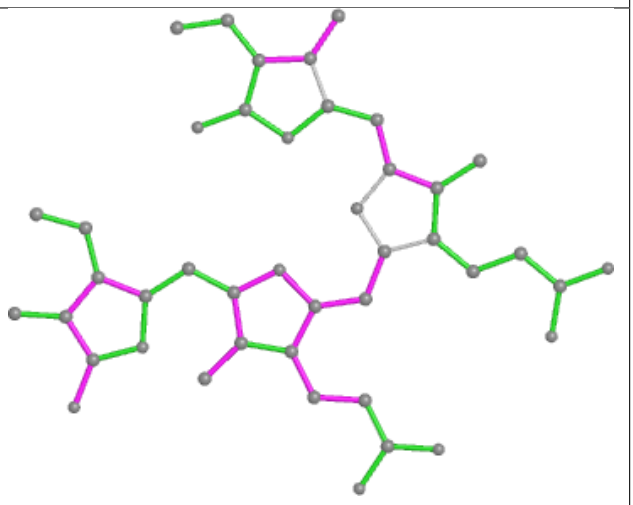

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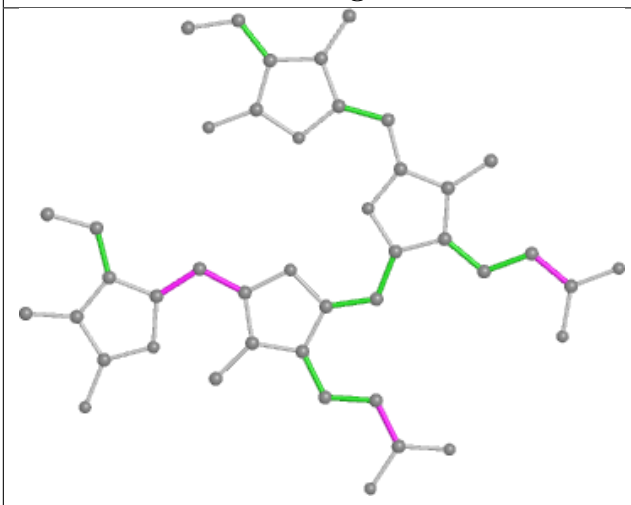

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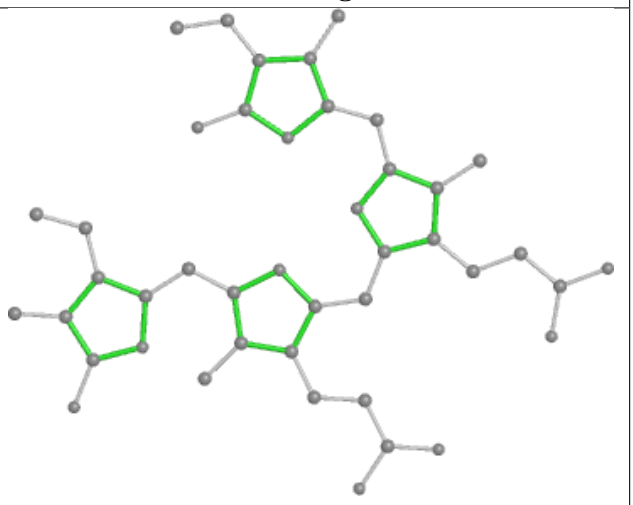
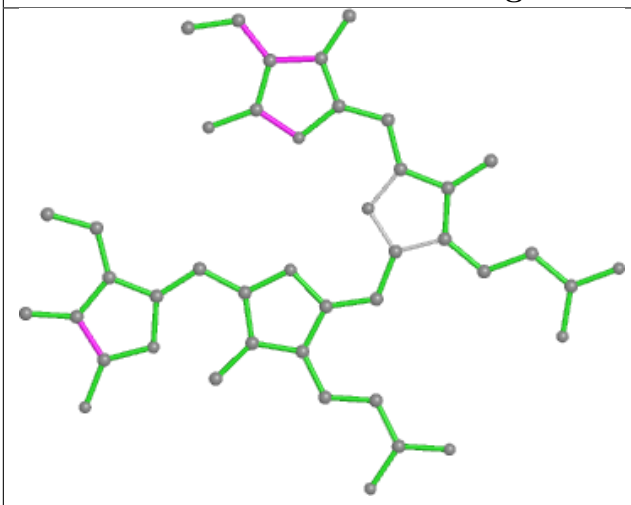


Rings

Ligand PEB bY 1003



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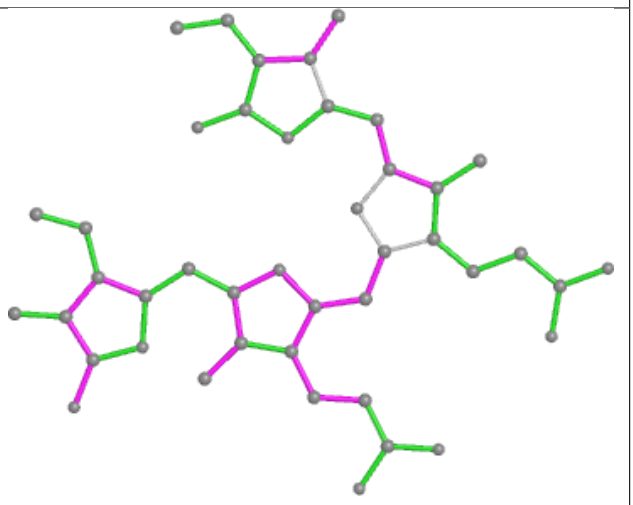

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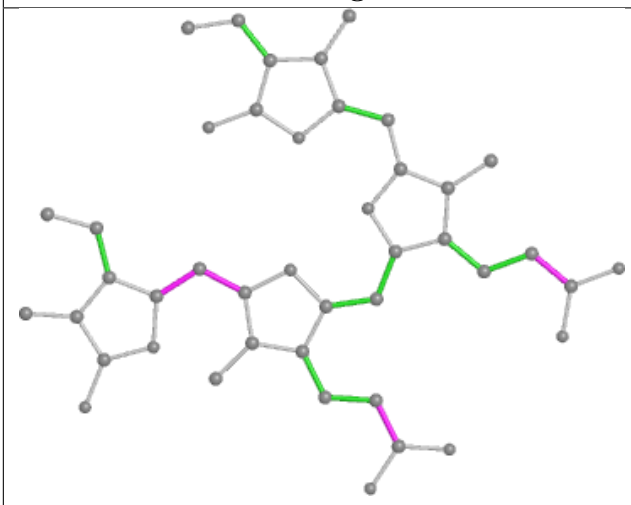

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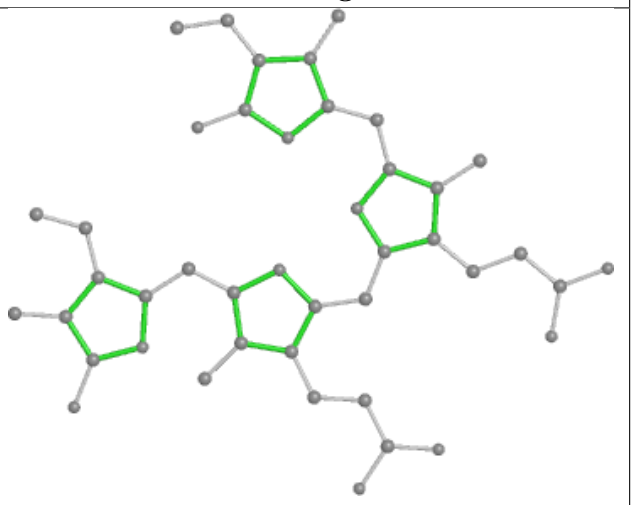

Rings

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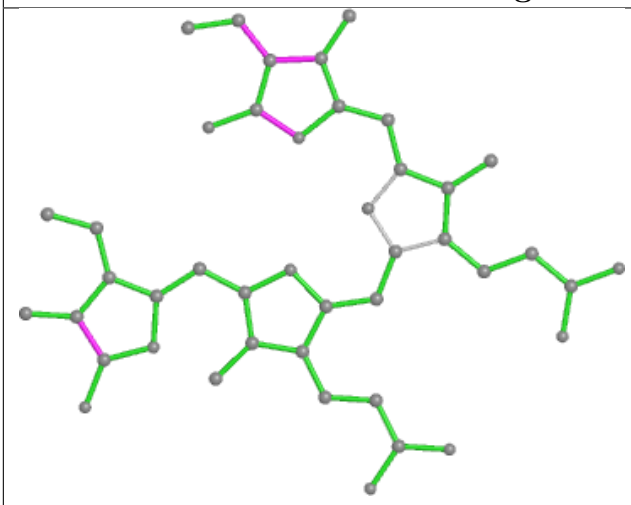

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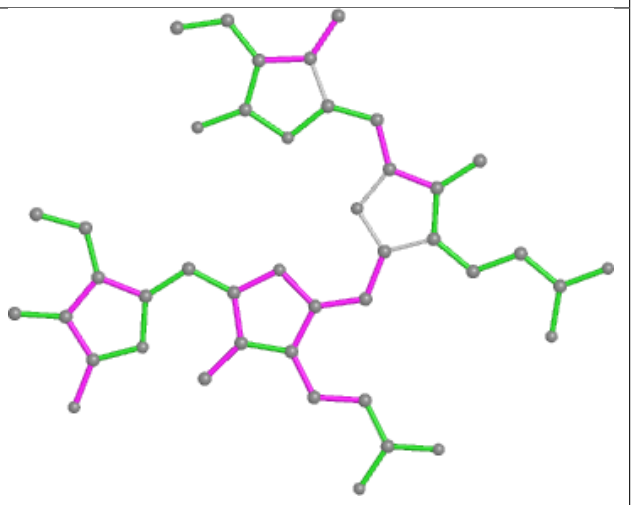

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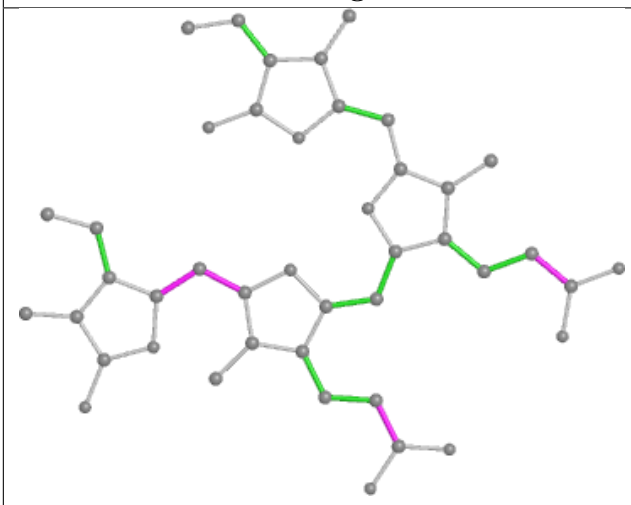

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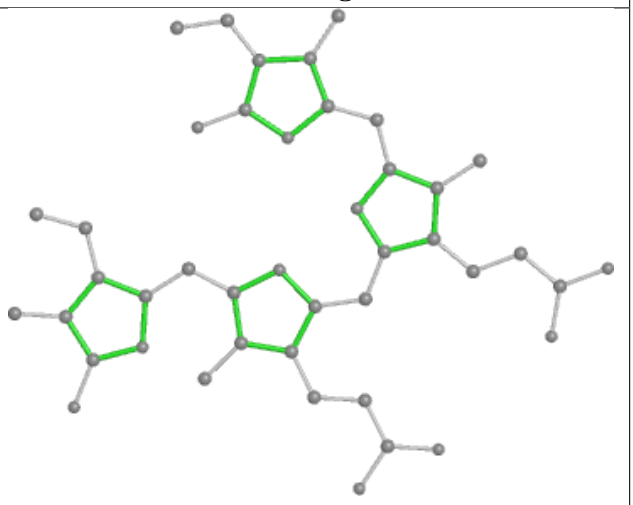

Rings

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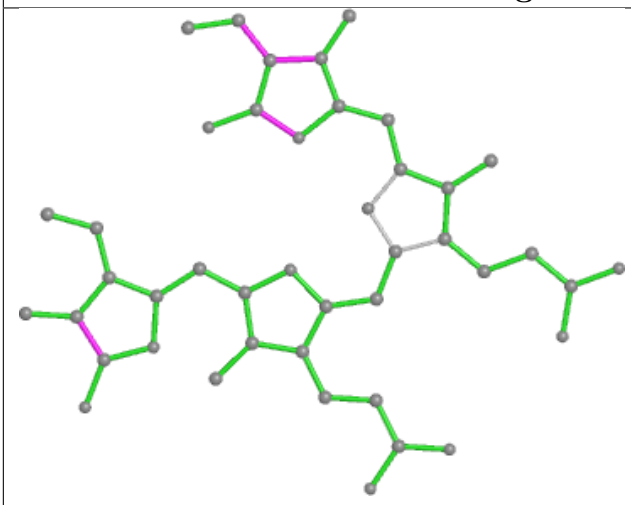

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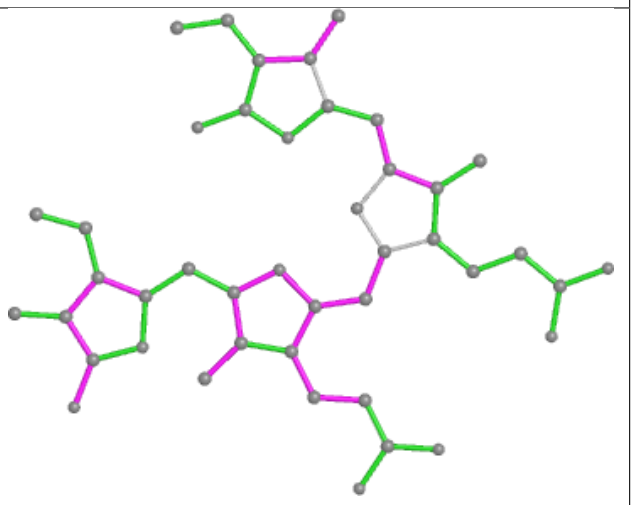

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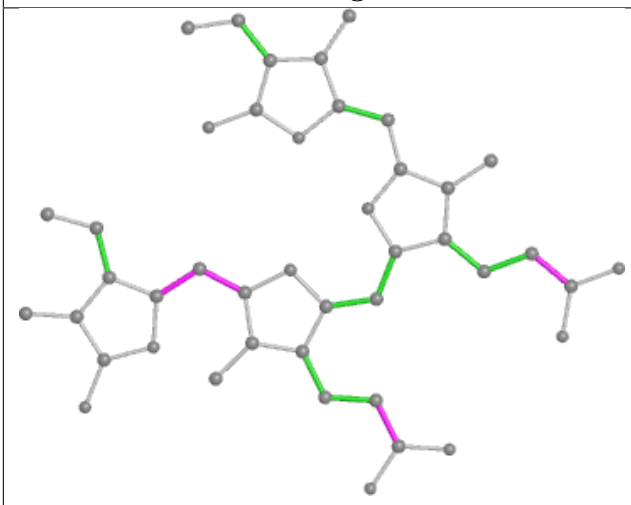

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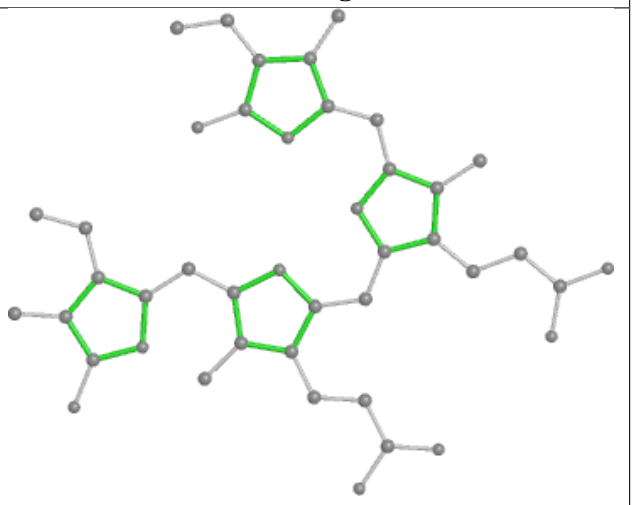

Rings

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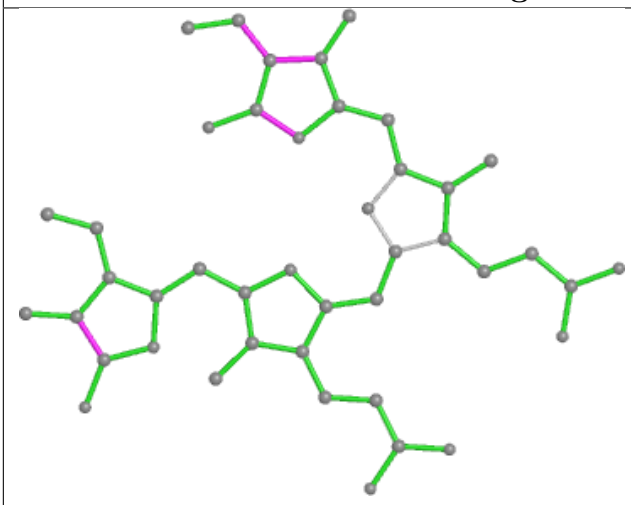

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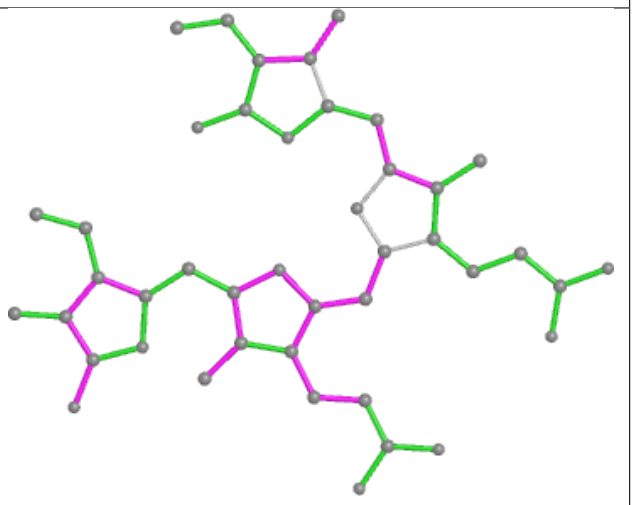

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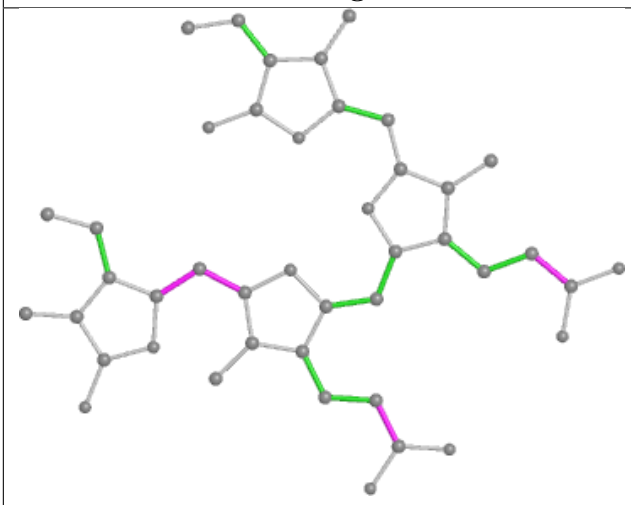

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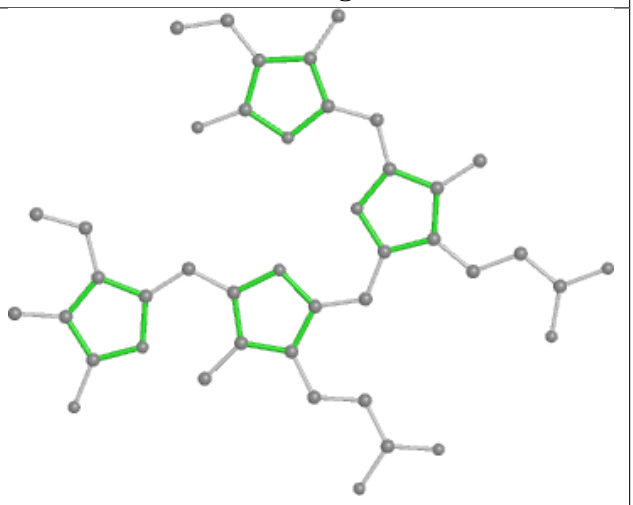

Rings

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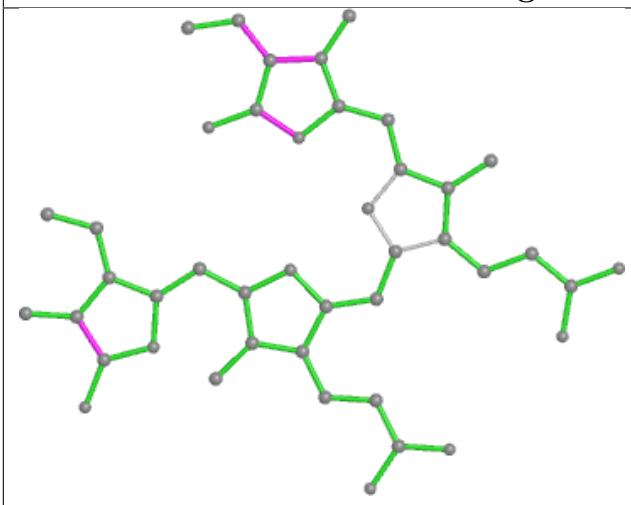

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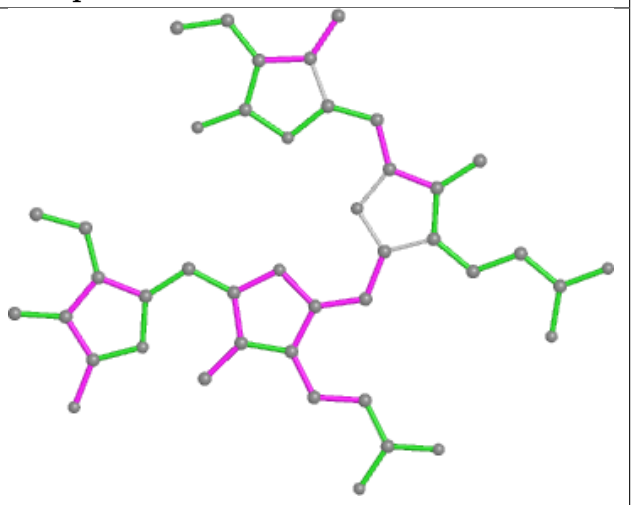

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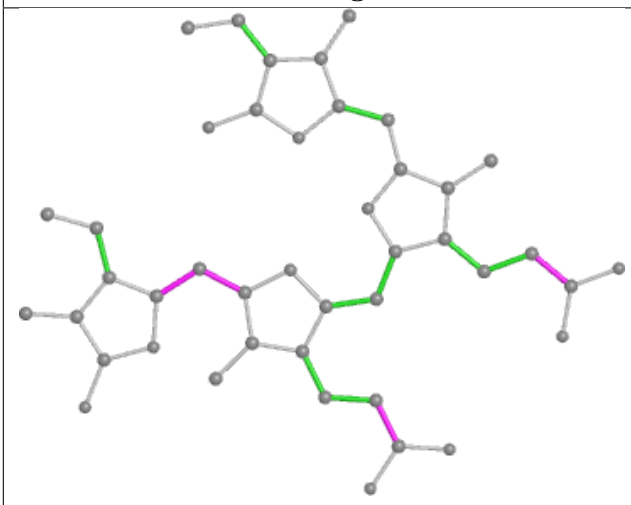

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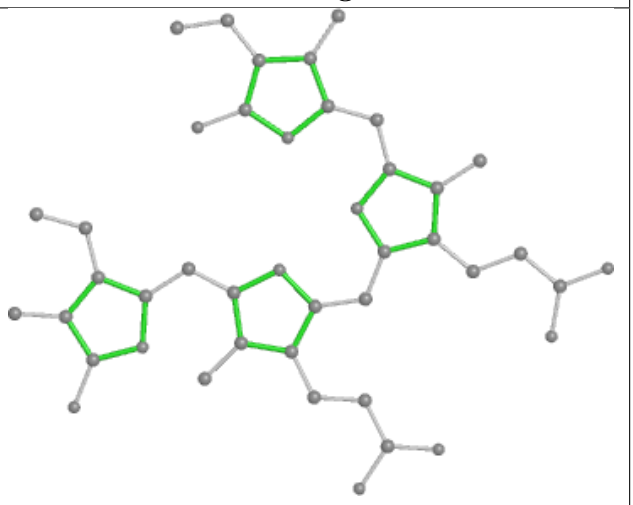
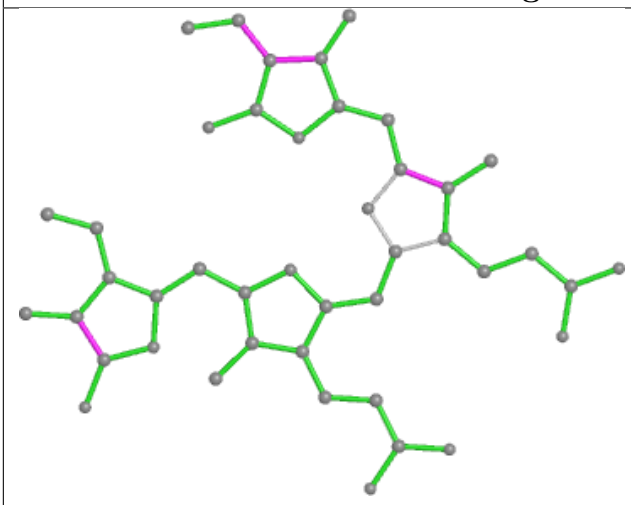


Rings

Ligand PEB fp 202



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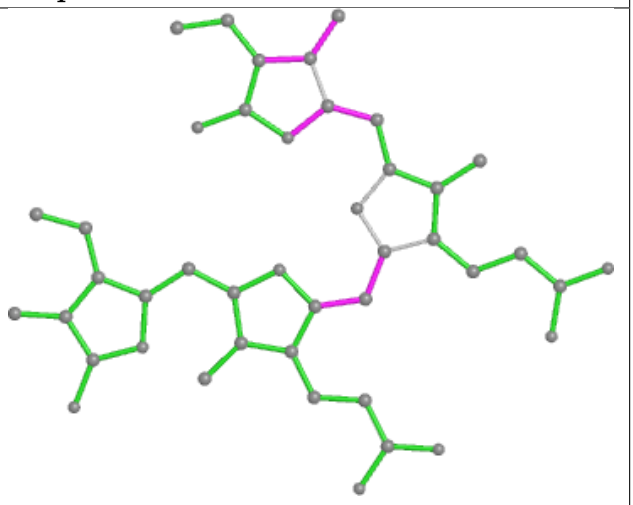

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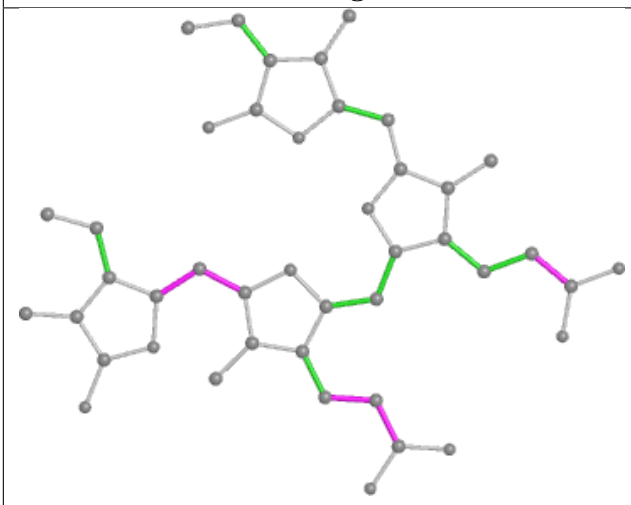

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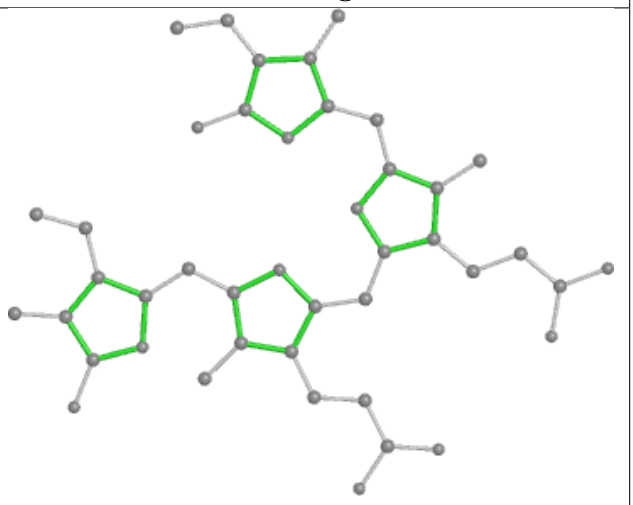

Rings

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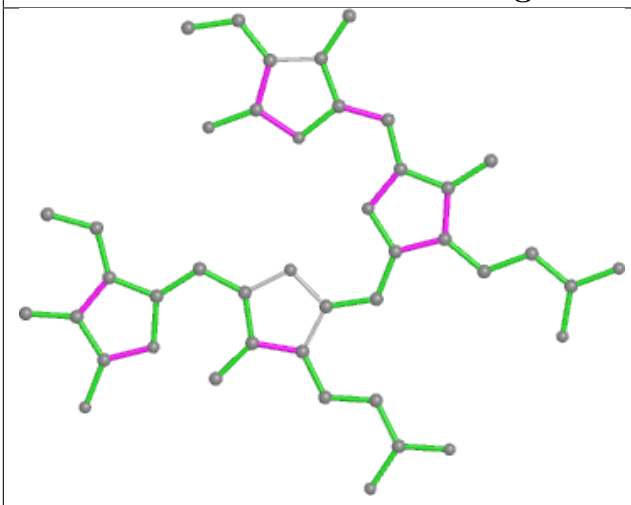

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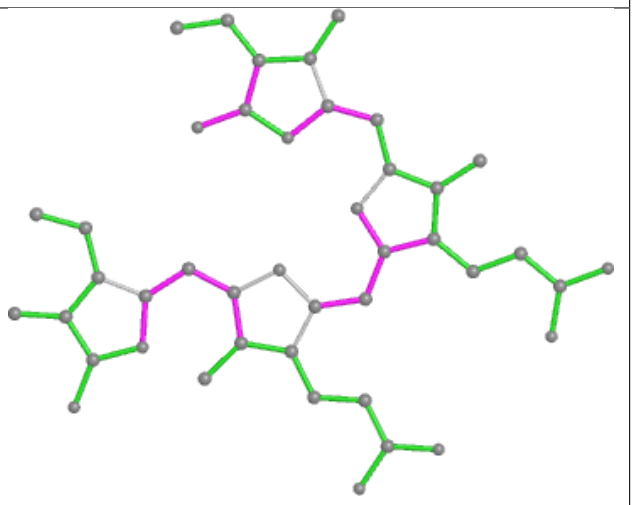

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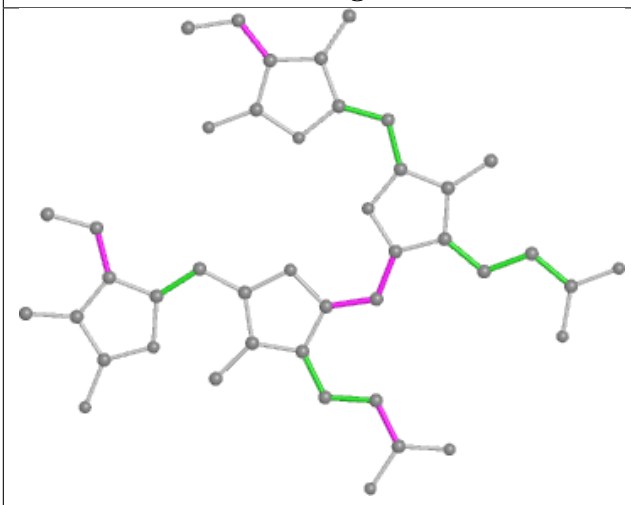

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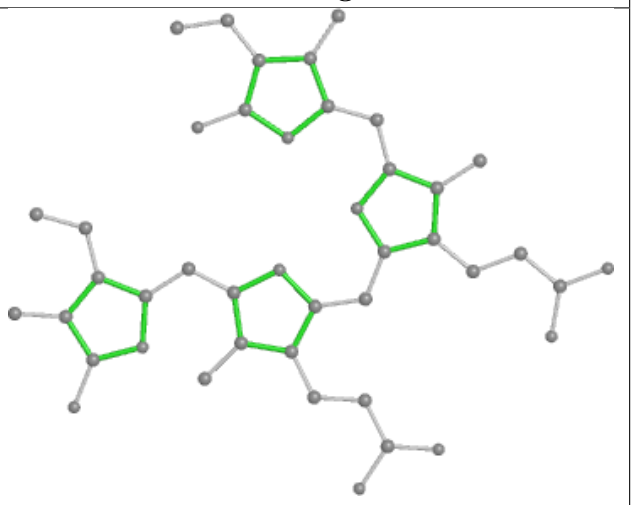
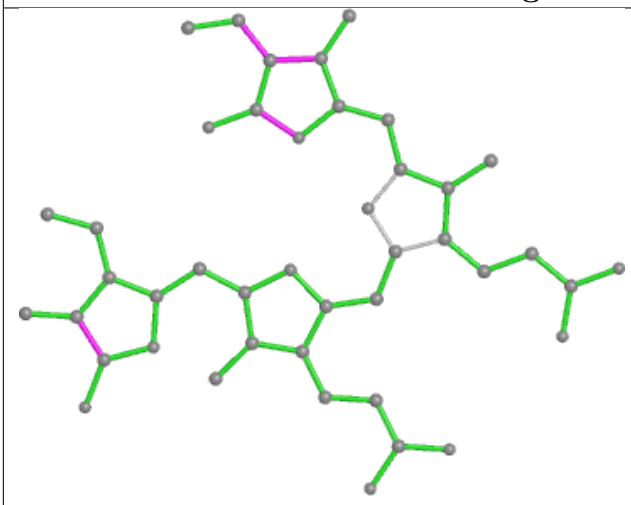


Rings

Ligand PEB fp 201



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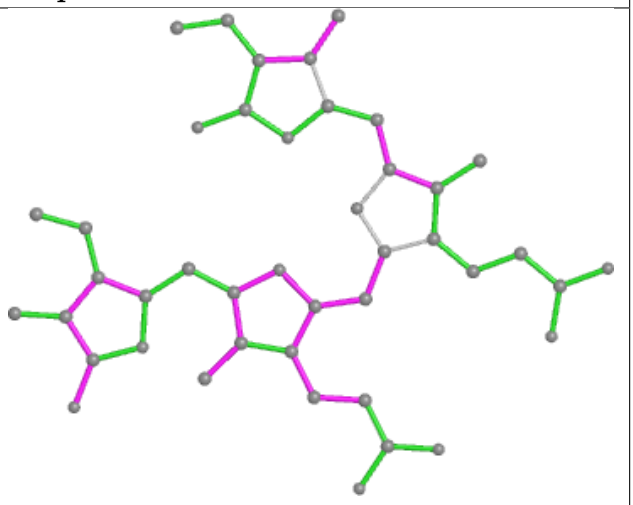
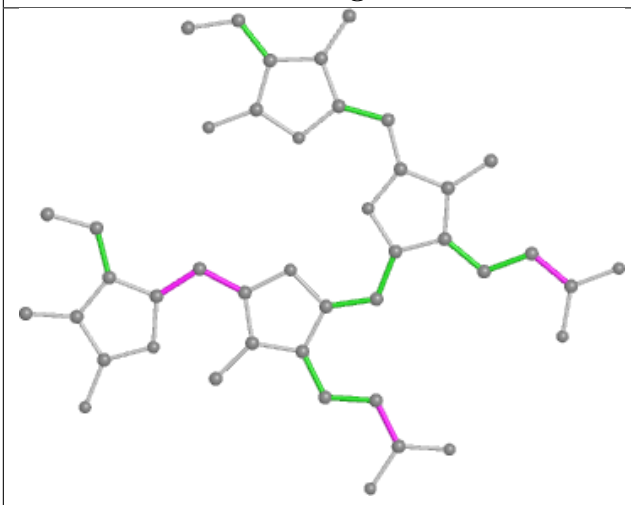


Bond angles



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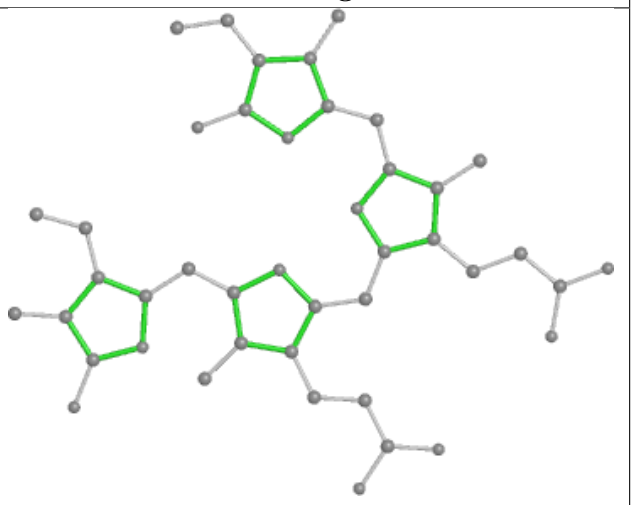

Rings

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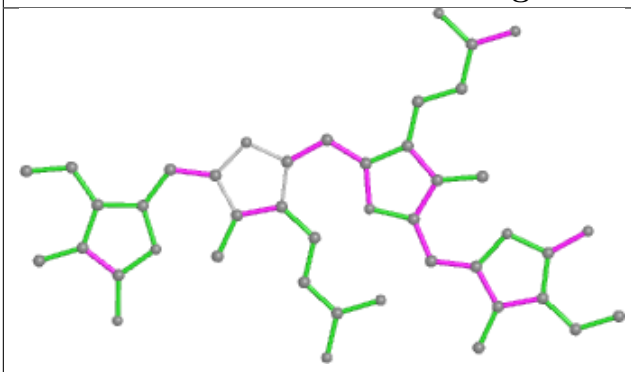

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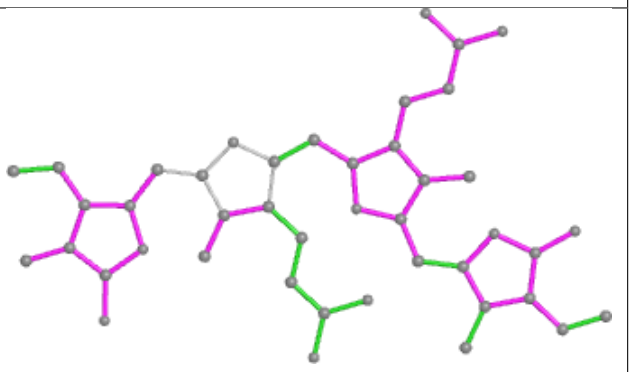
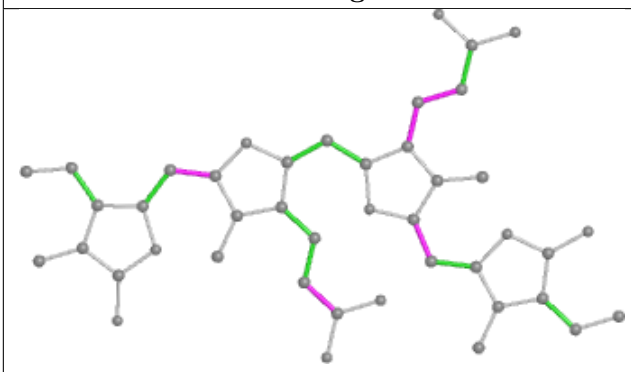


Bond angles



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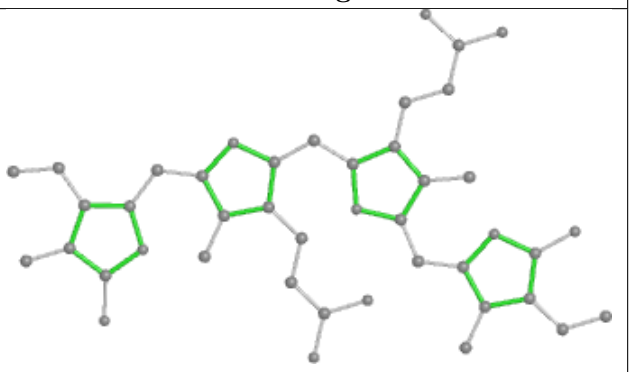

Rings

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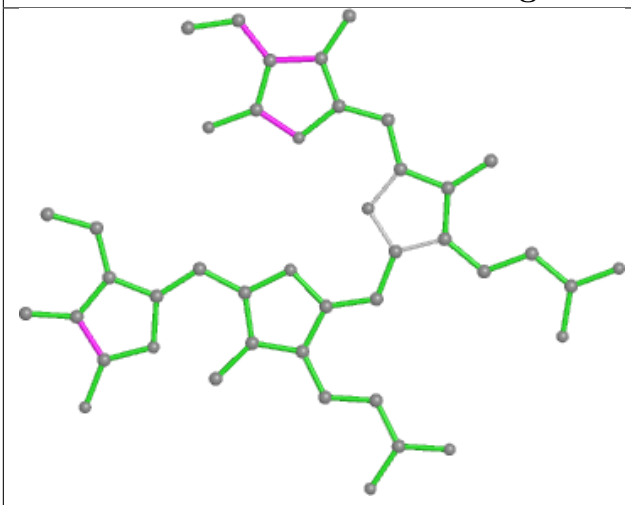

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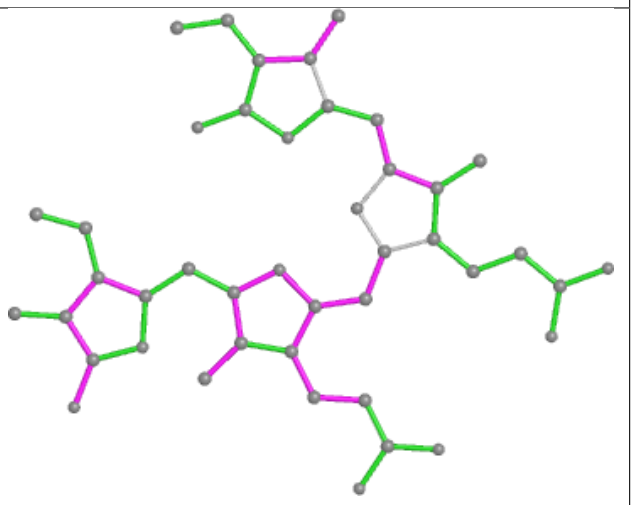
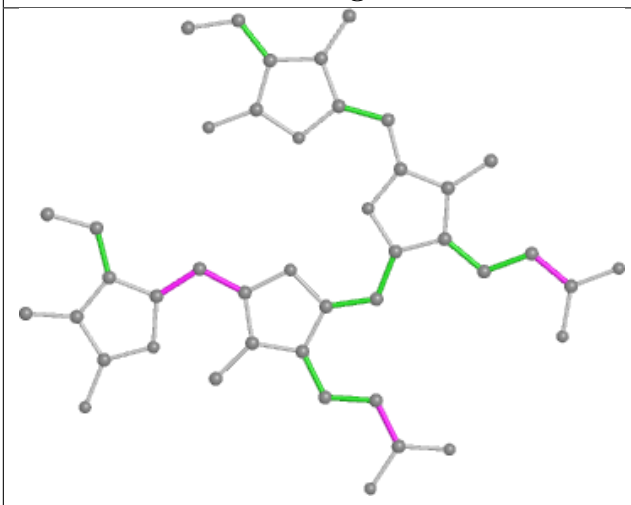
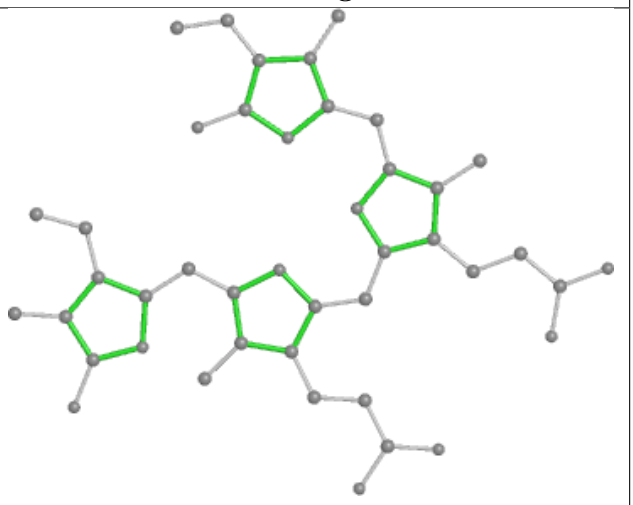


Bond angles

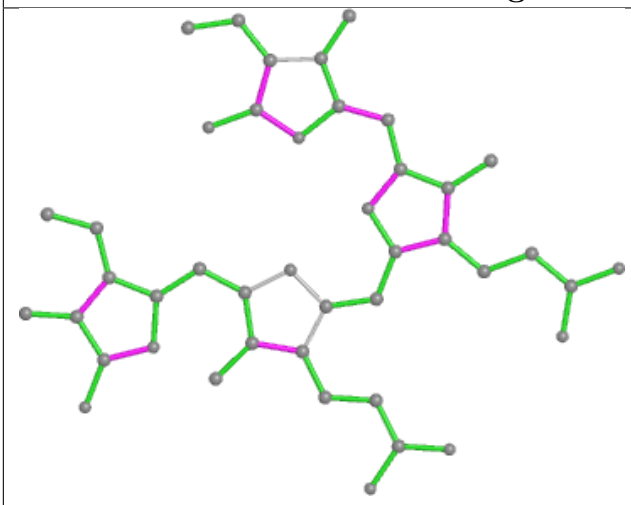


Torsions



Rings

Ligand PUB jO 1003



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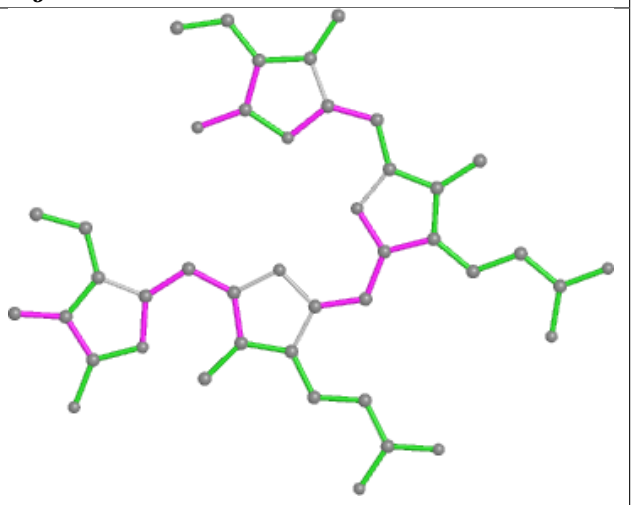

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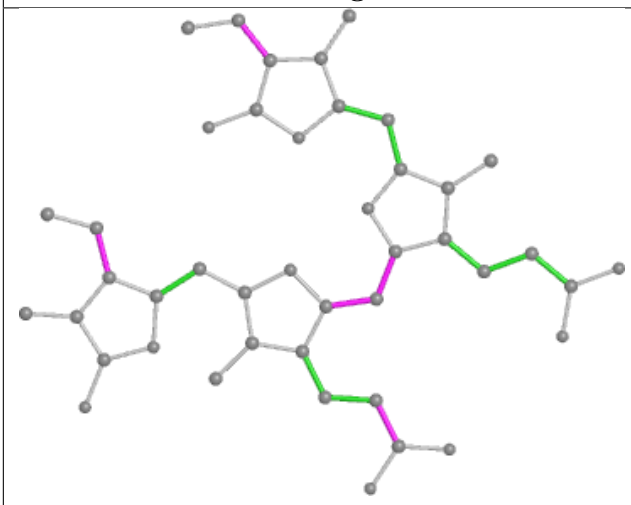

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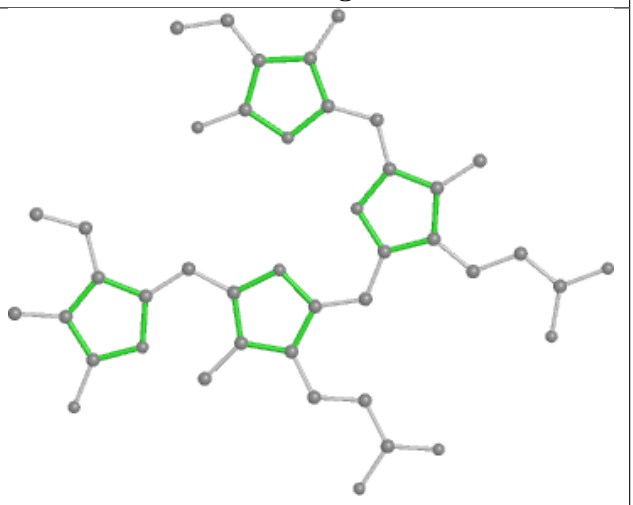
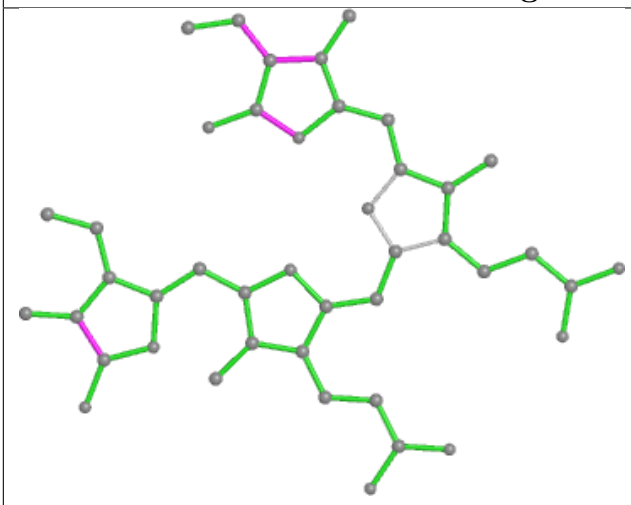


Rings

Ligand PEB e8 301



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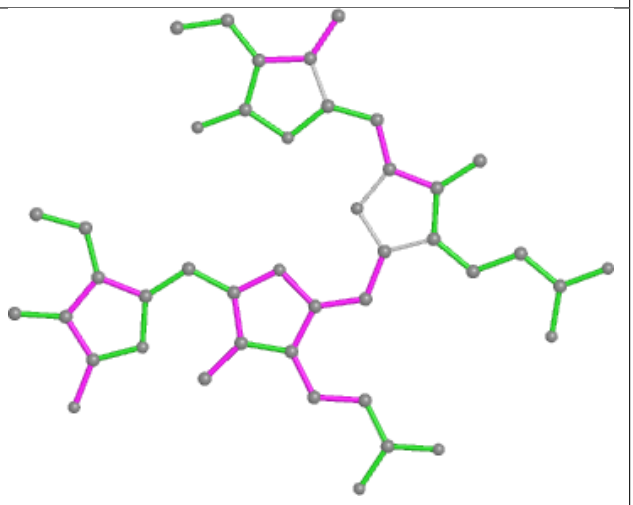

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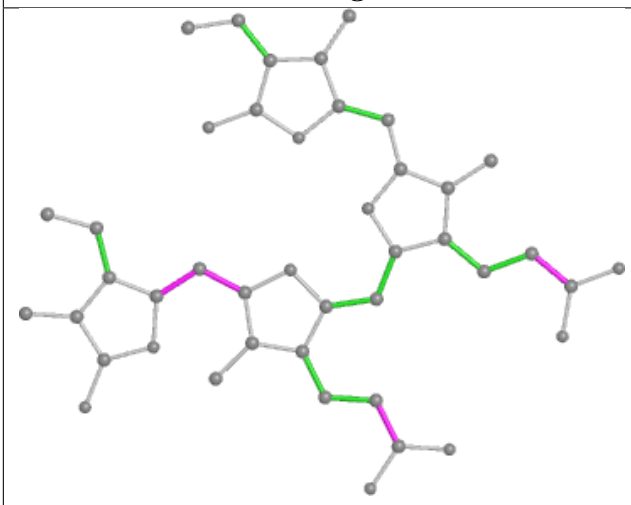

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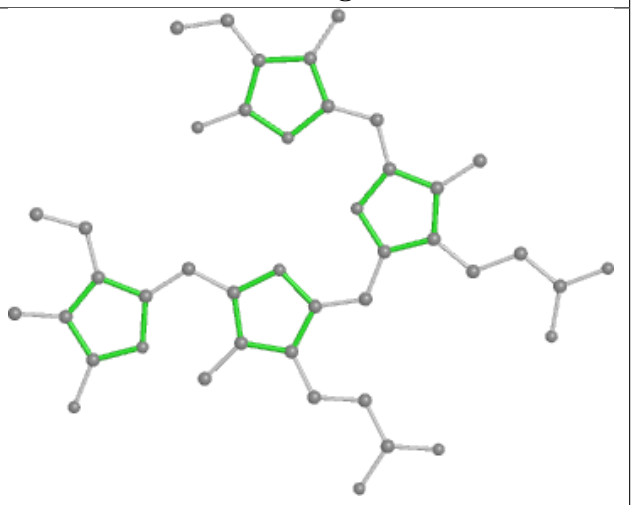
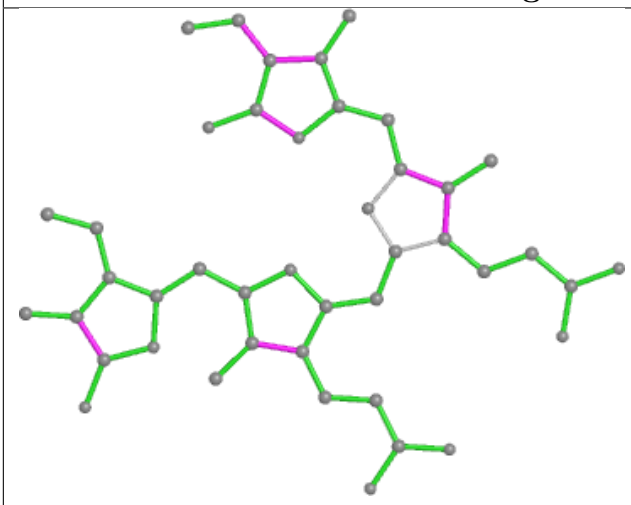


Rings

Ligand PEB et 202



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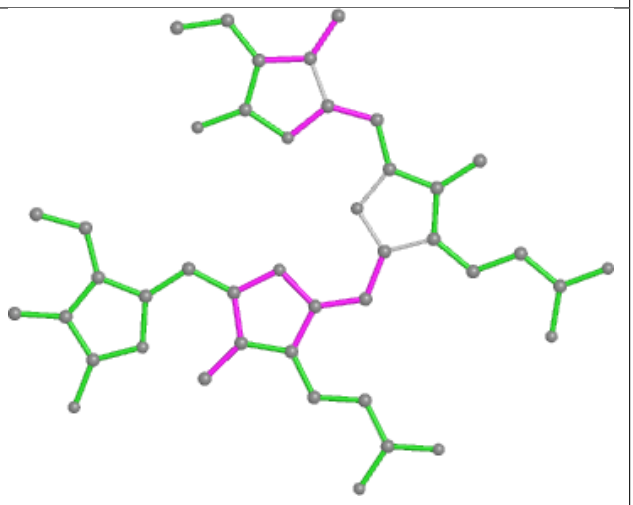

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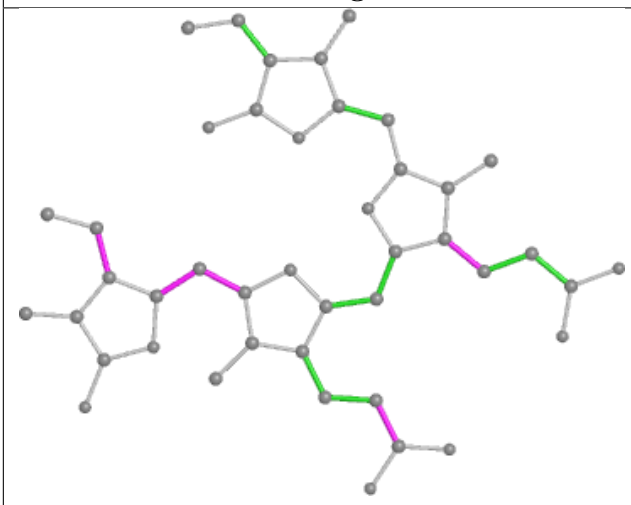

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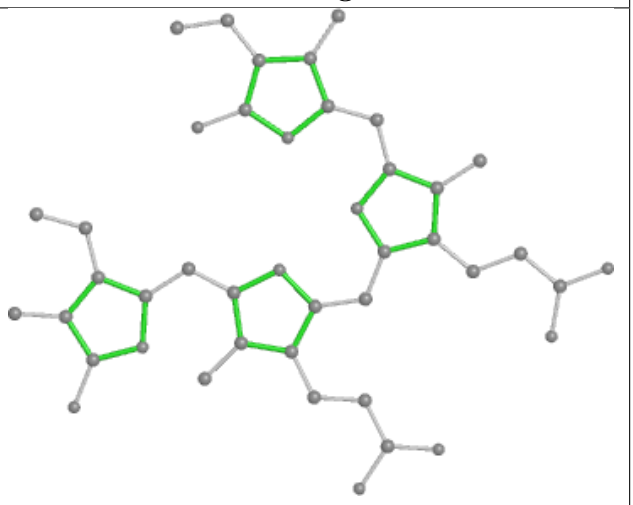
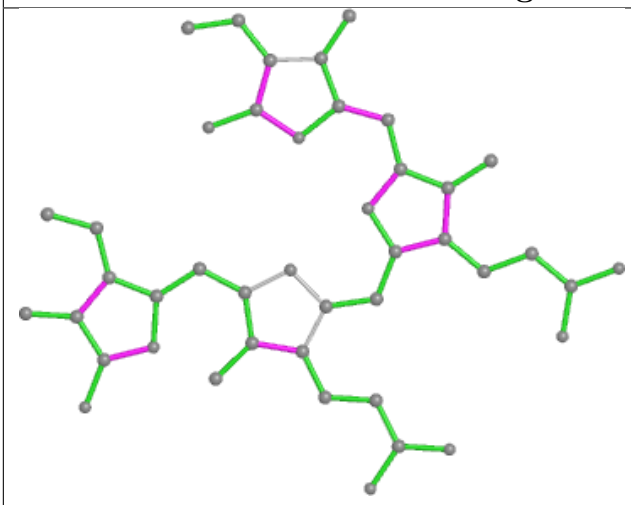


Rings

Ligand PUB aZ 304



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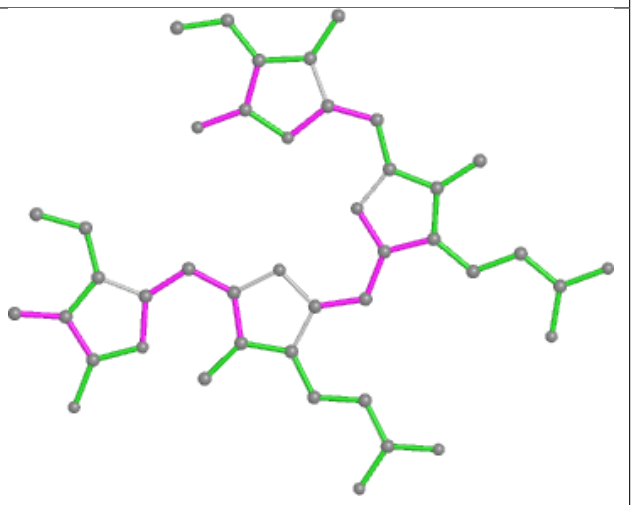

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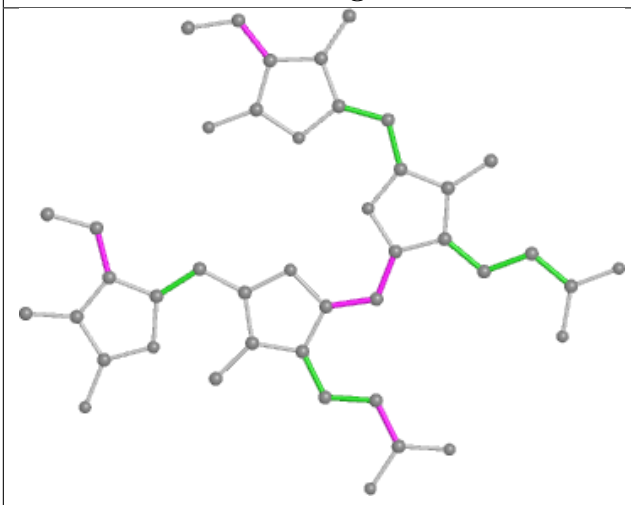

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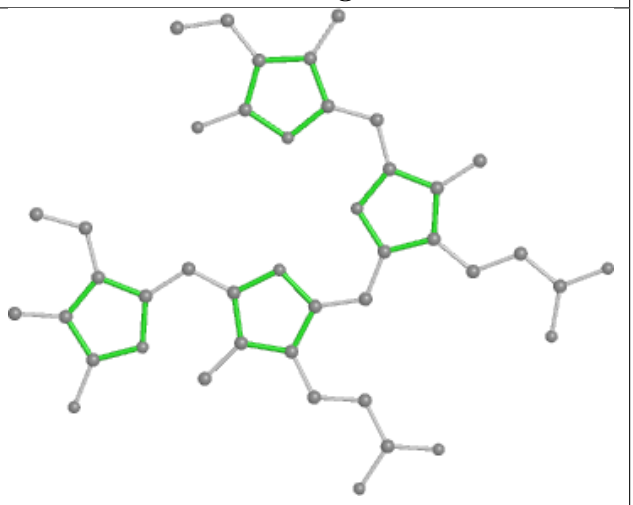
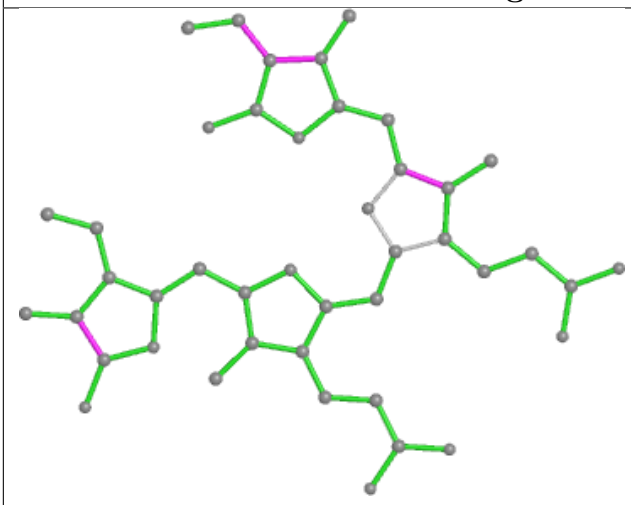


Rings

Ligand PEB Y5 1002



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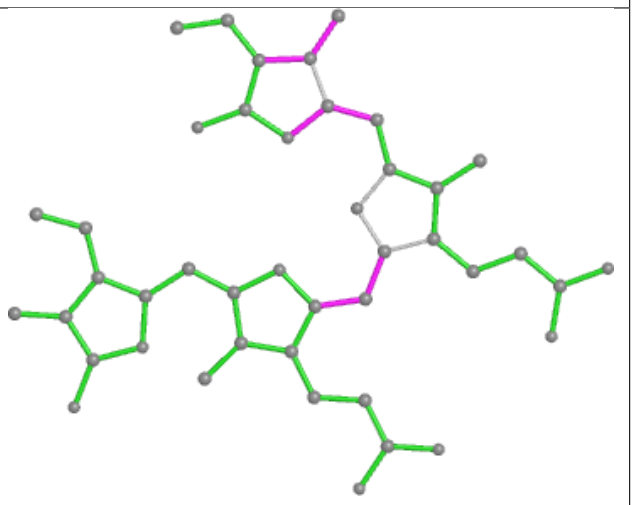

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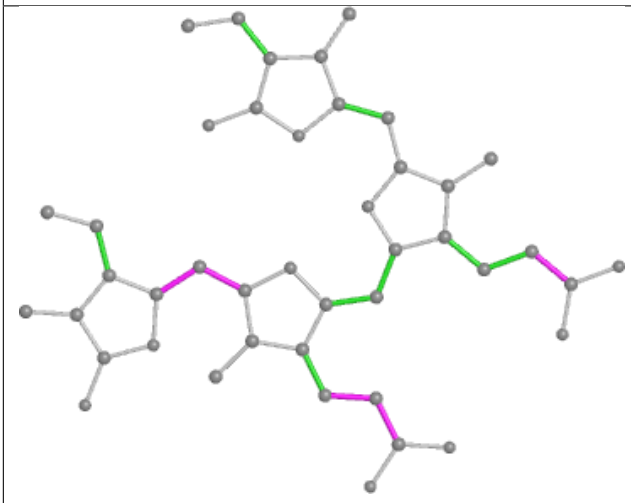

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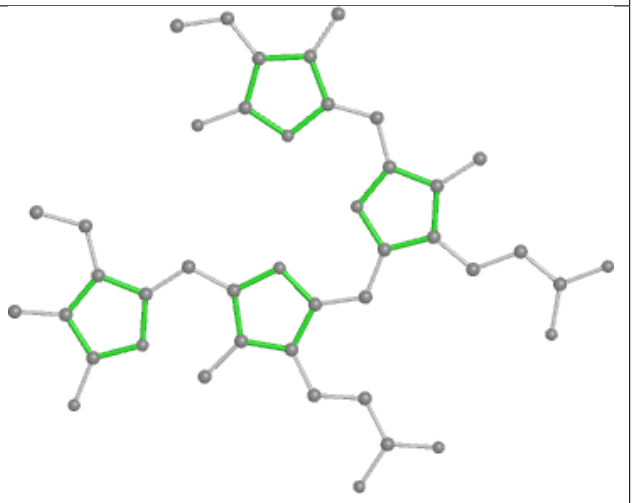
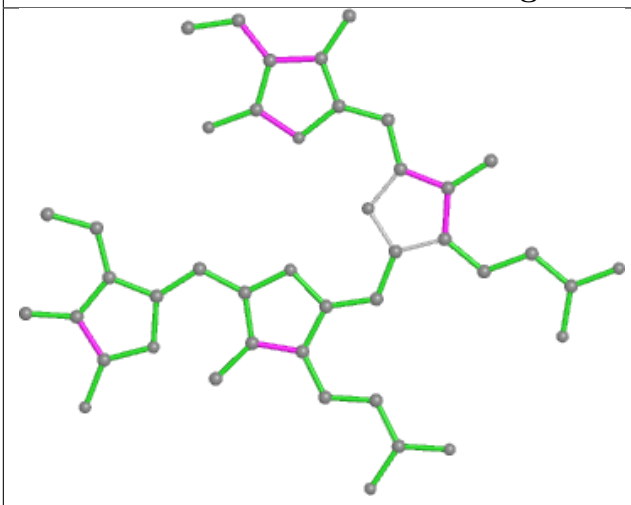


Rings

Ligand PEB av 202



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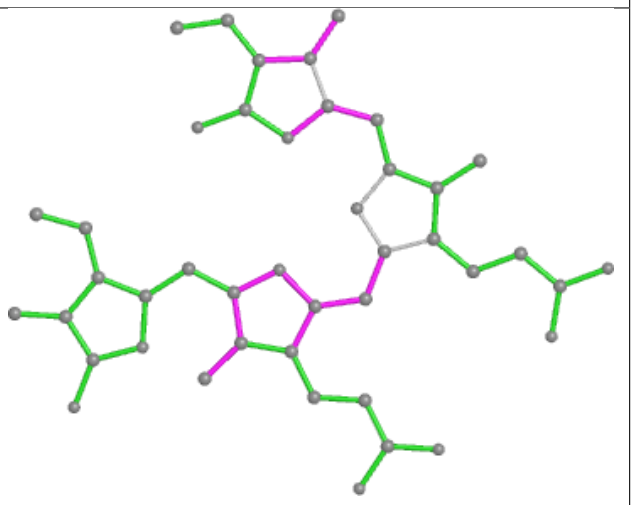

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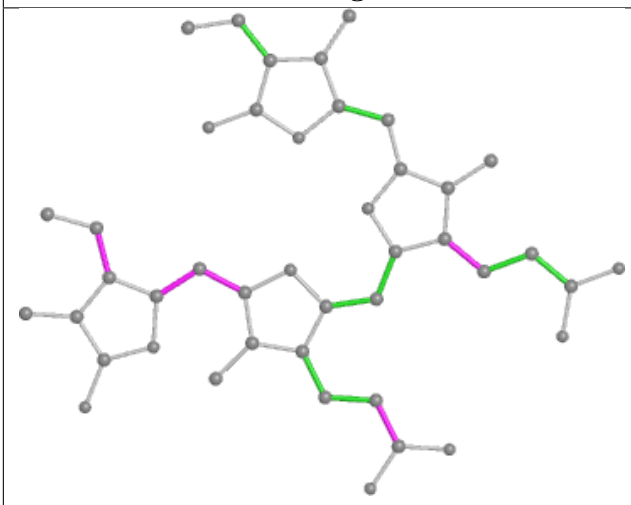

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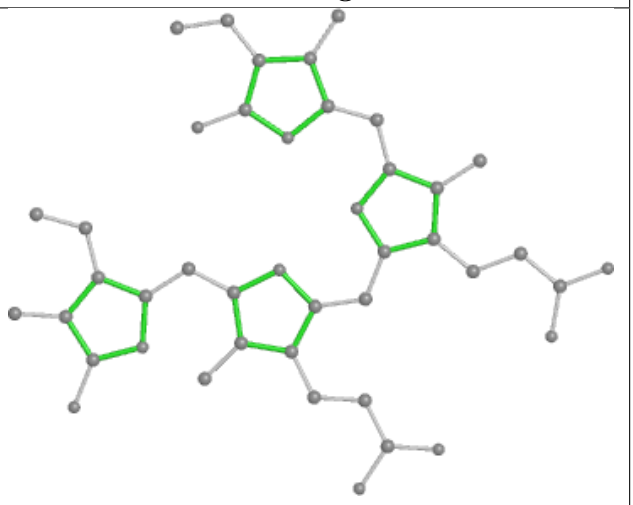

Rings

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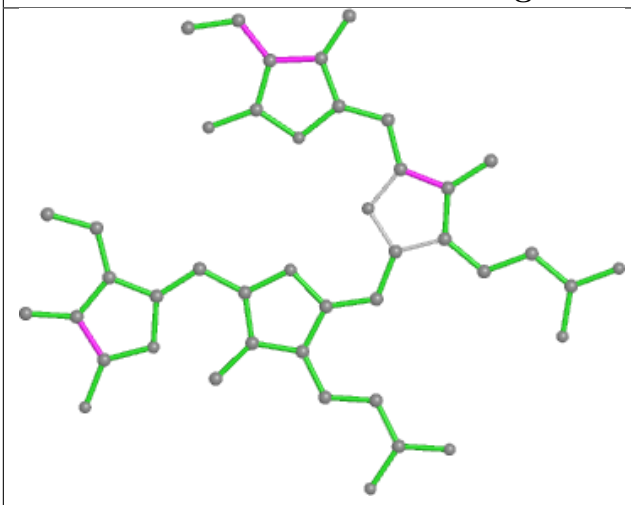

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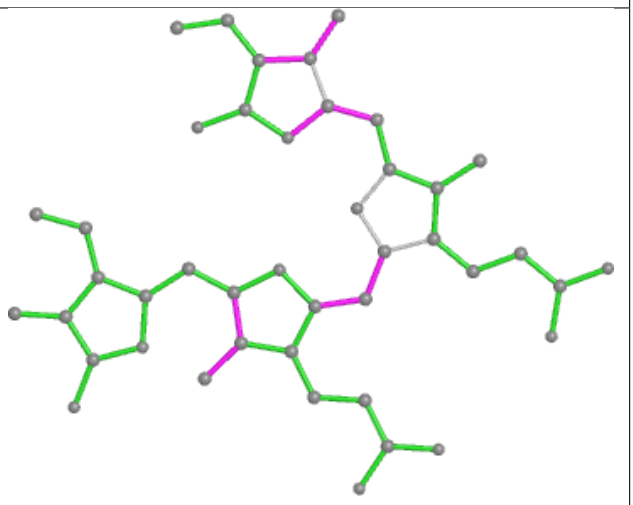

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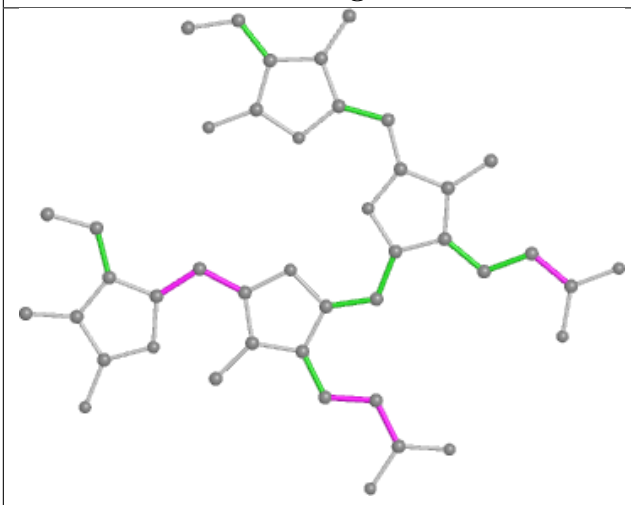

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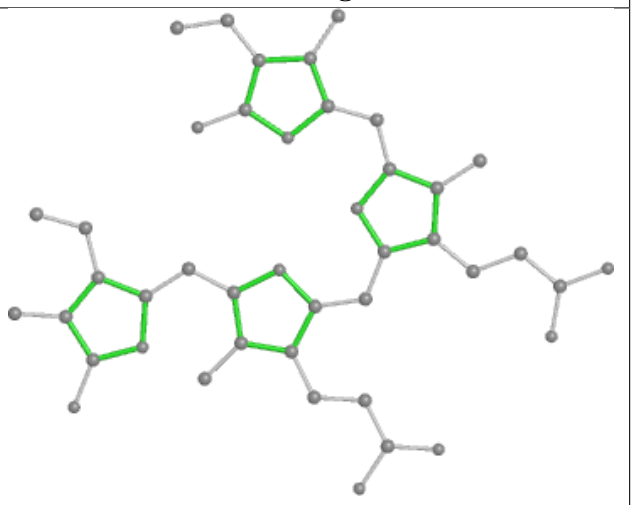
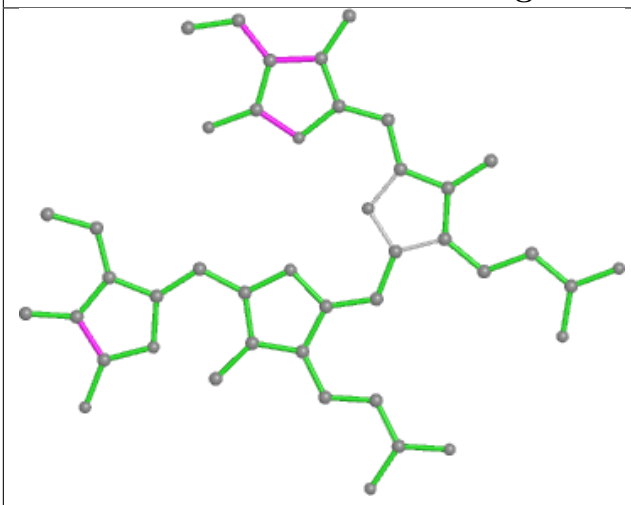


Rings

Ligand PEB Y4 202



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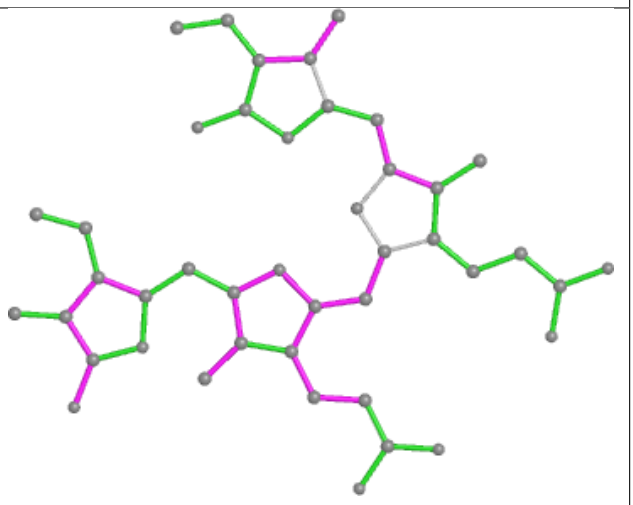
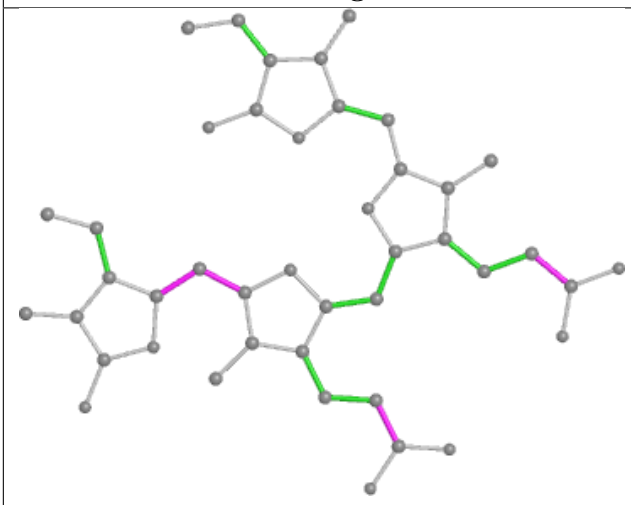


Bond angles



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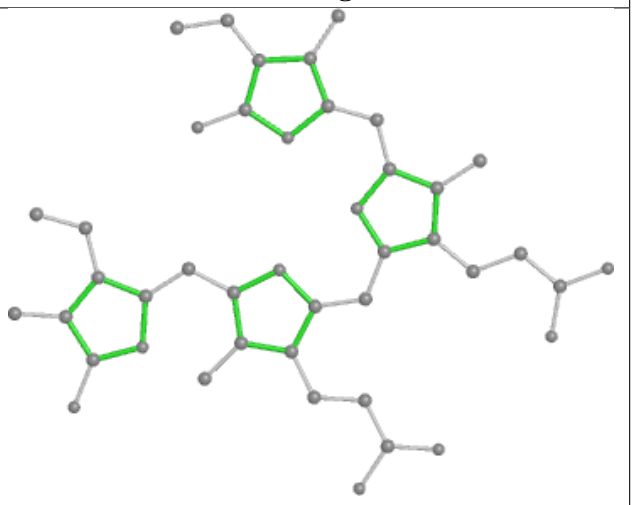

Rings

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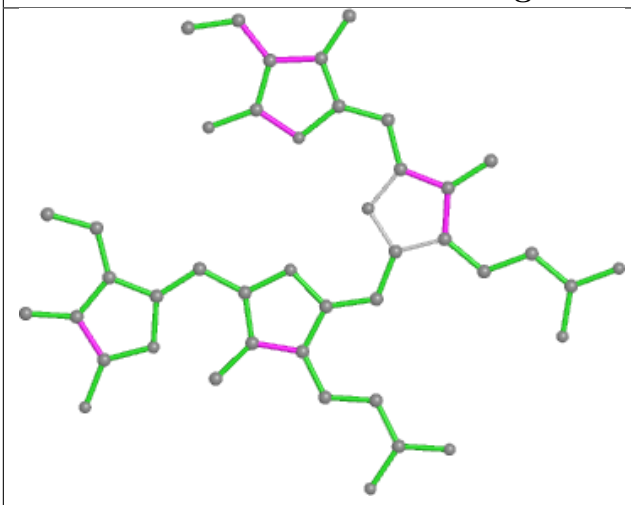

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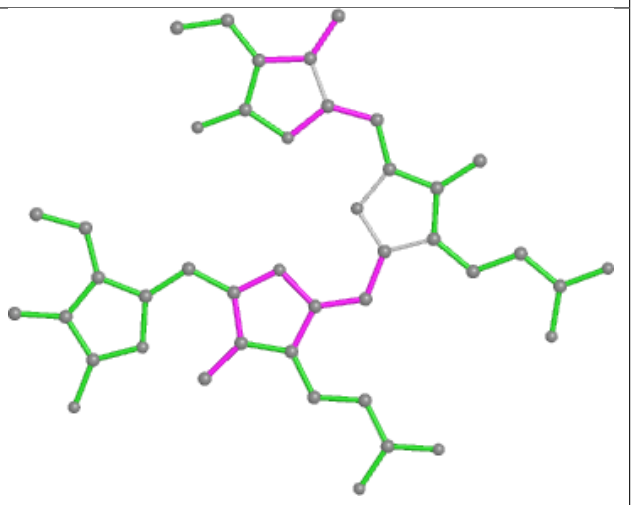

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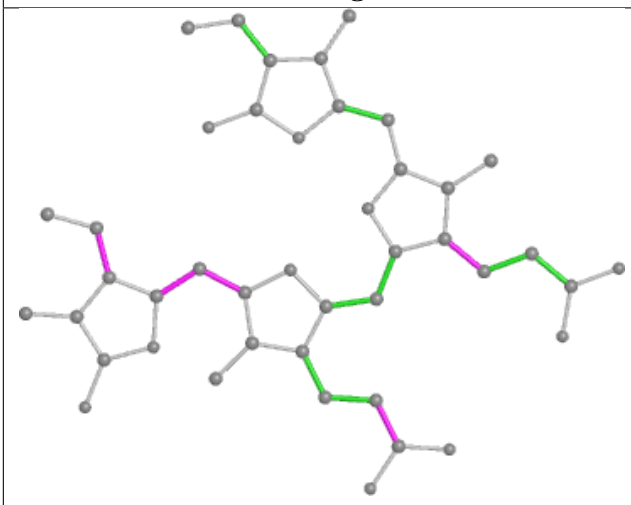

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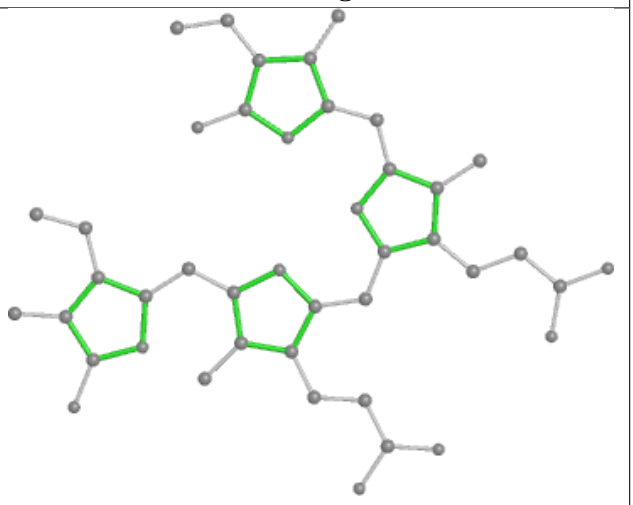
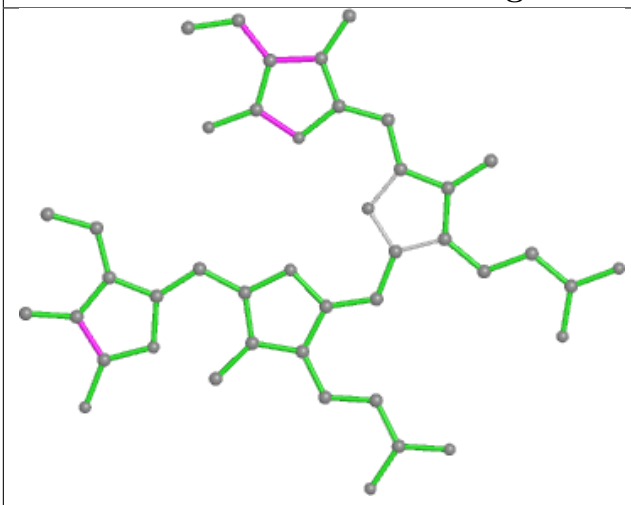


Rings

Ligand PEB kR 1001



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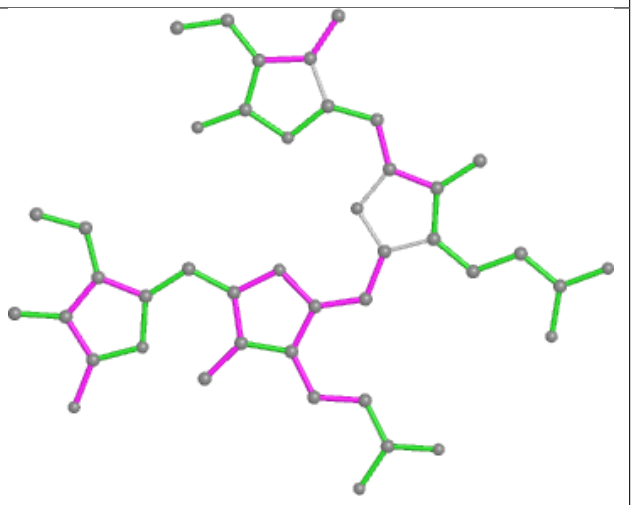

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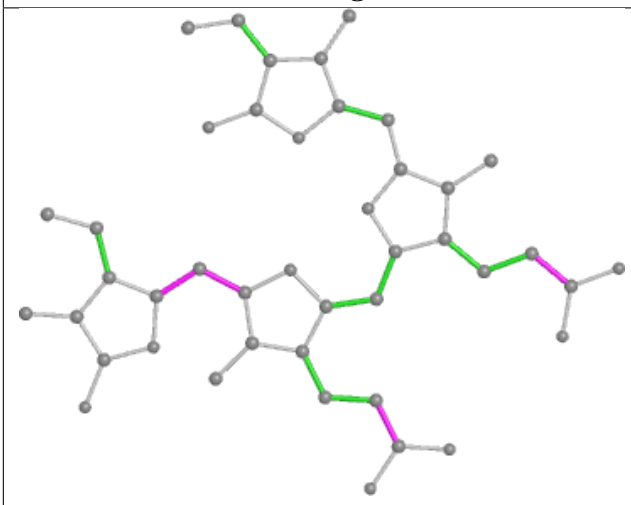

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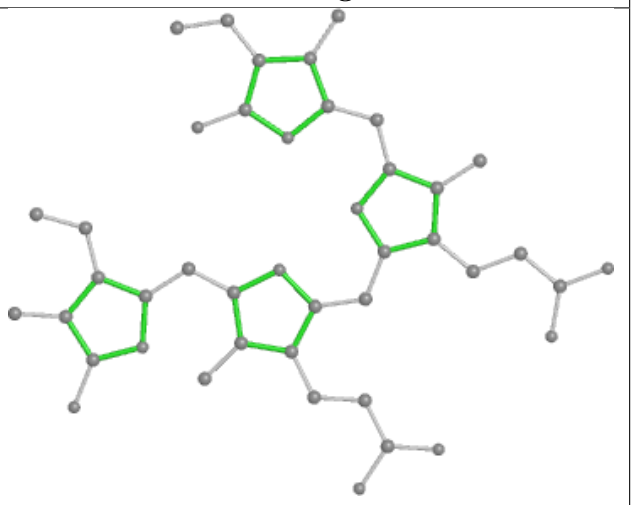

Rings

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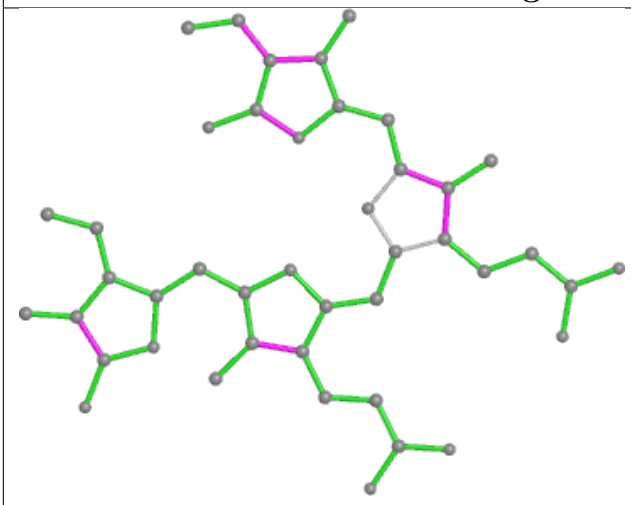

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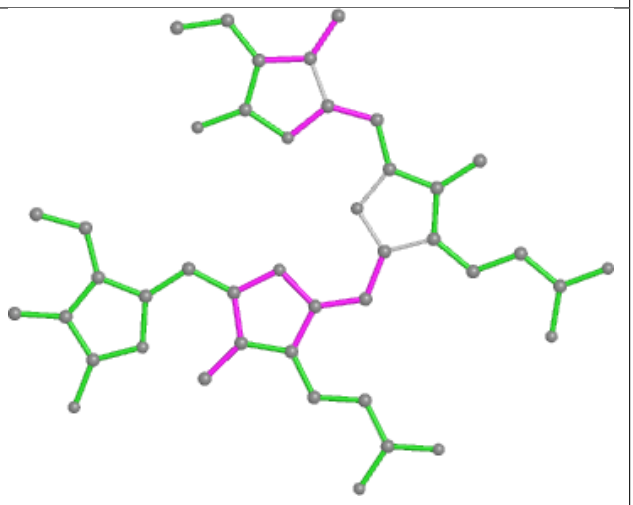

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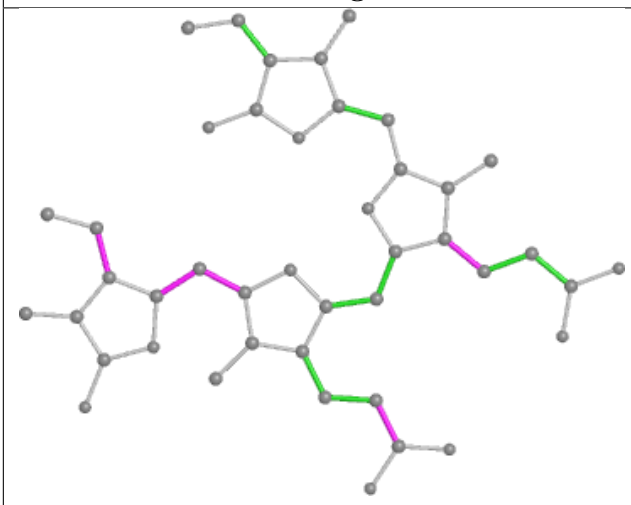

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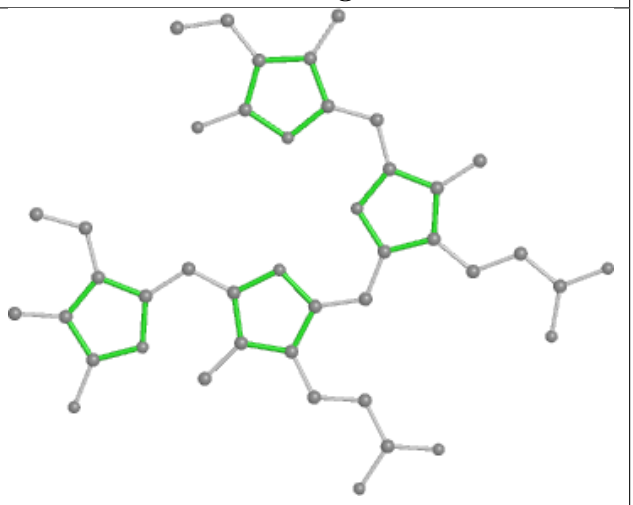
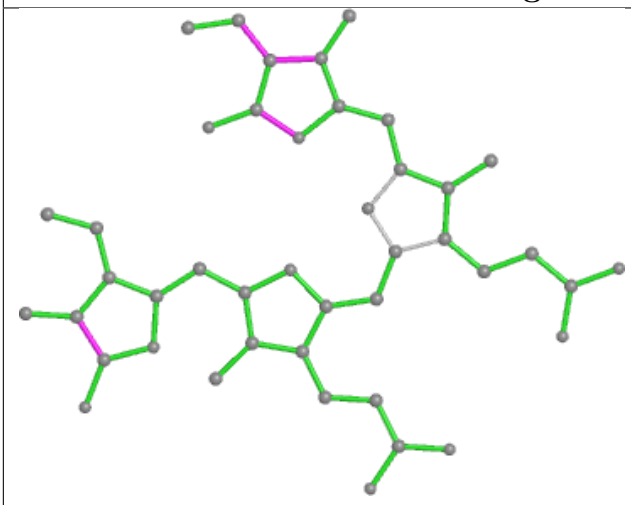


Rings

Ligand PEB j8 202



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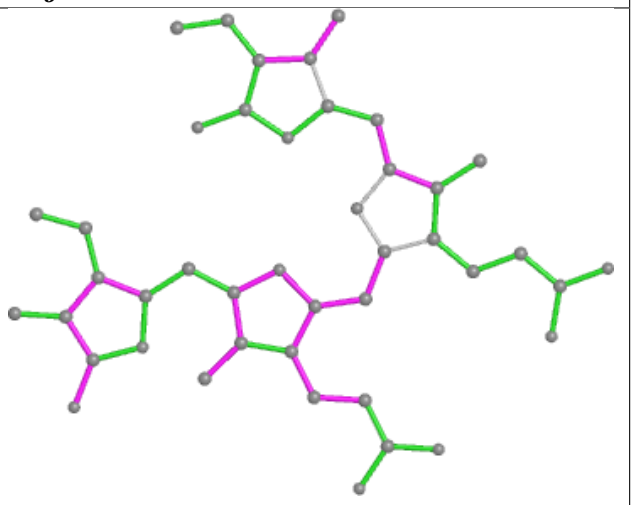
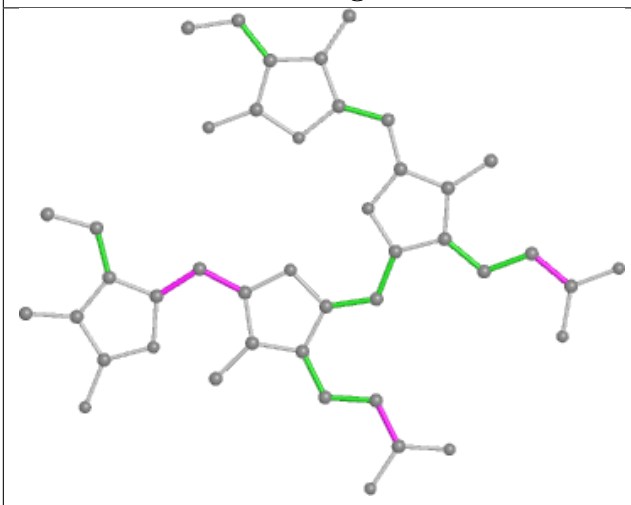


Bond angles



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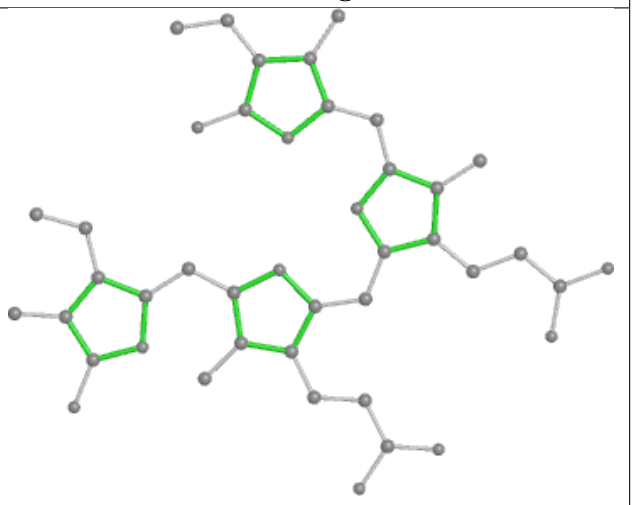

Rings

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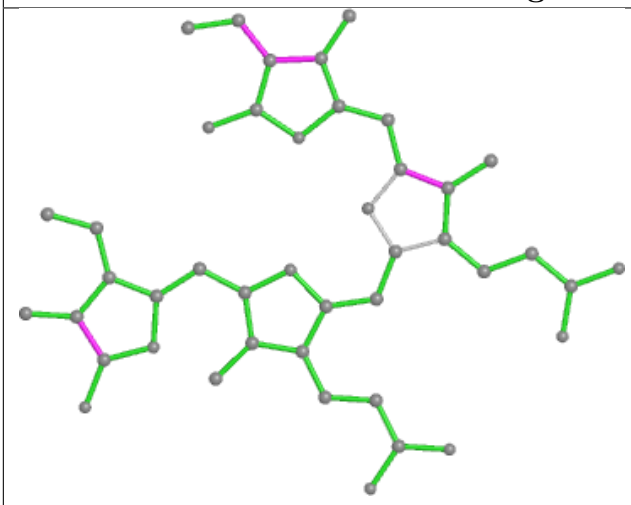

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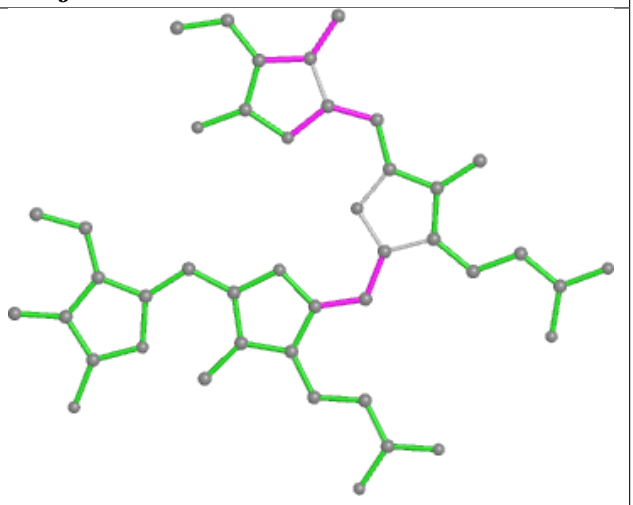

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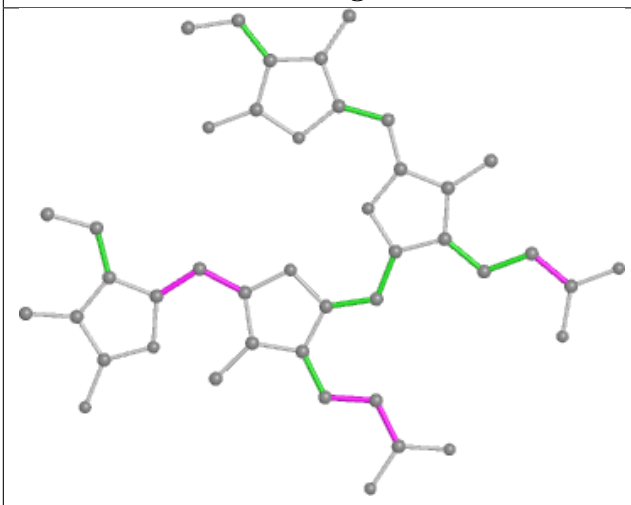
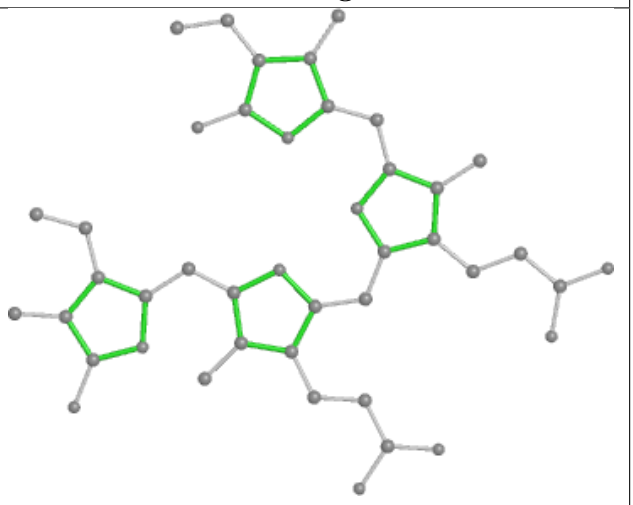
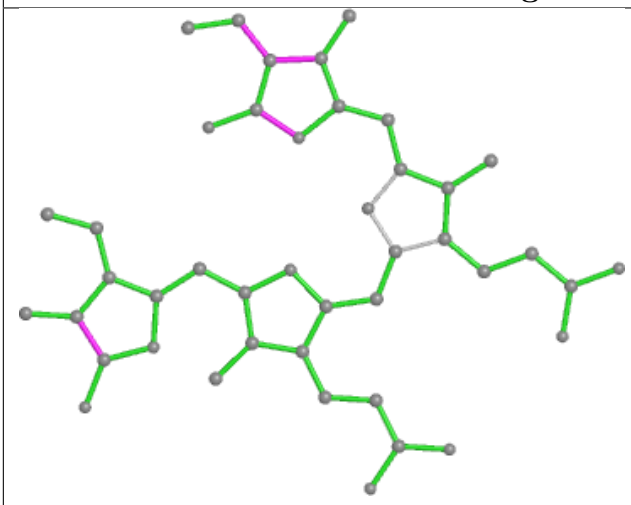


Torsions



Rings

Ligand PEB r2 201



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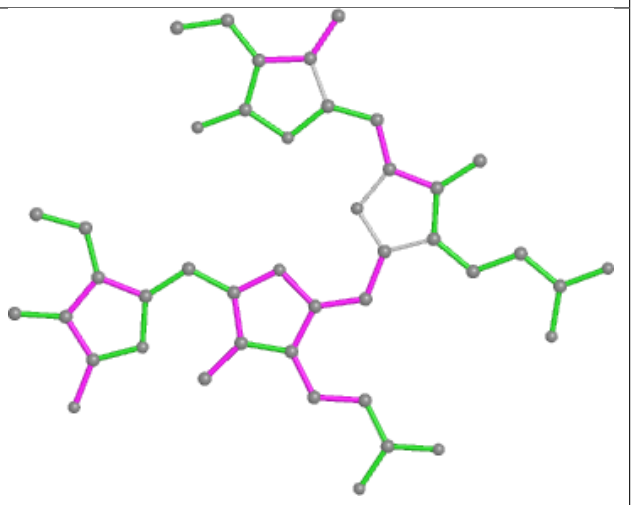

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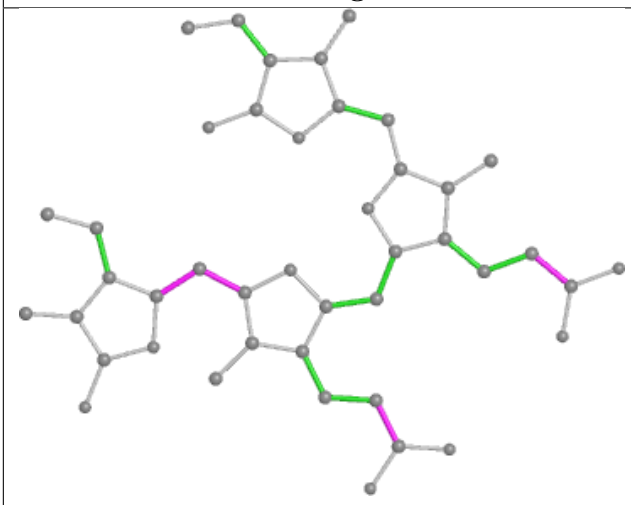

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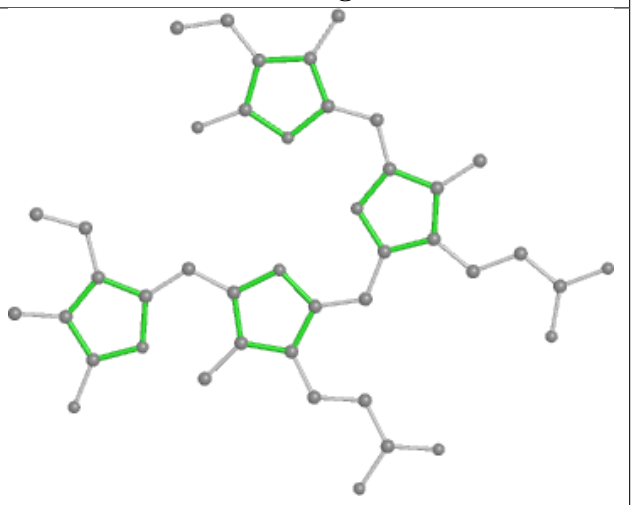
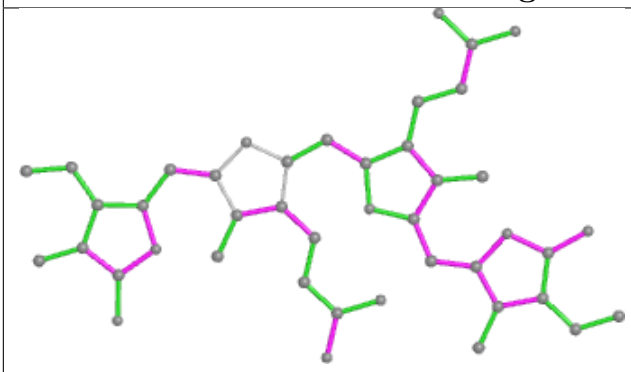


Rings

Ligand CYC r1 201



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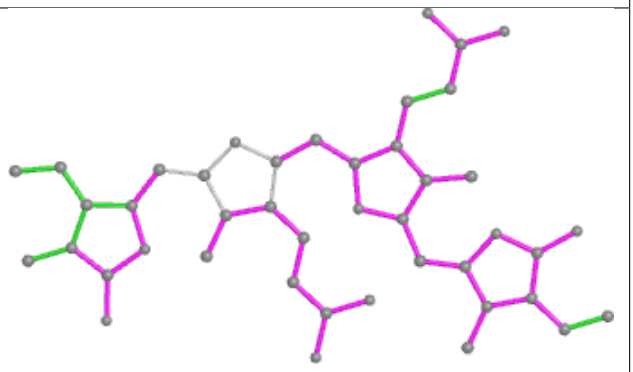

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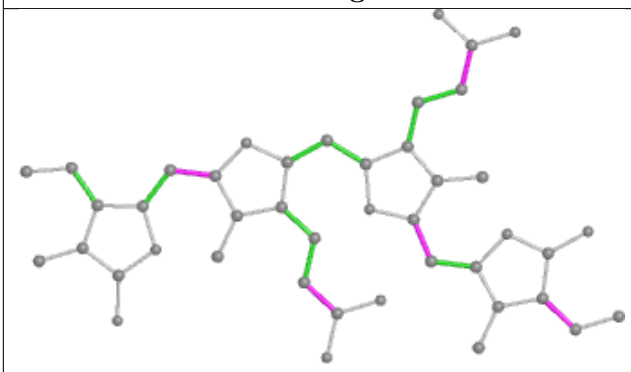

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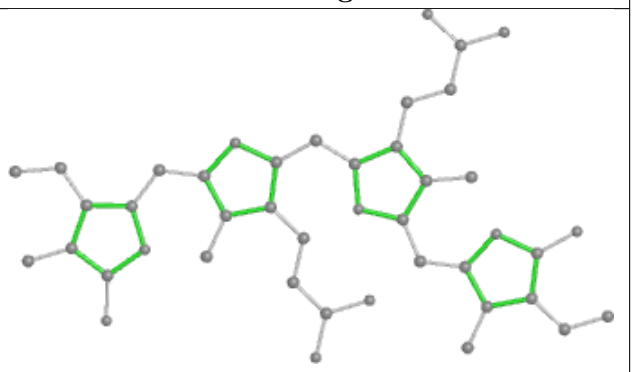
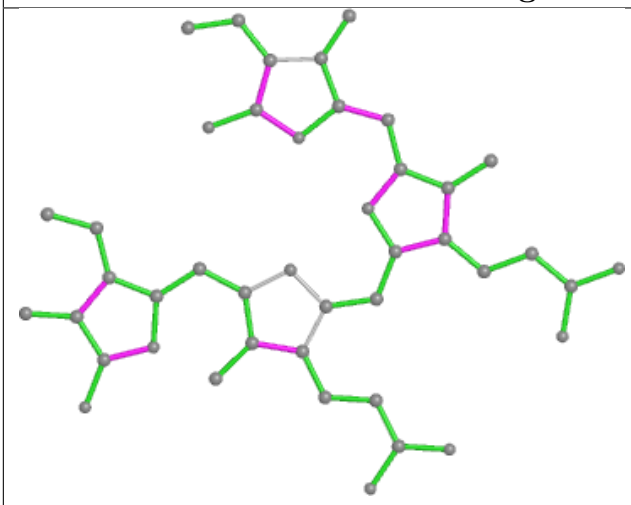


Rings

Ligand PUB dt 203



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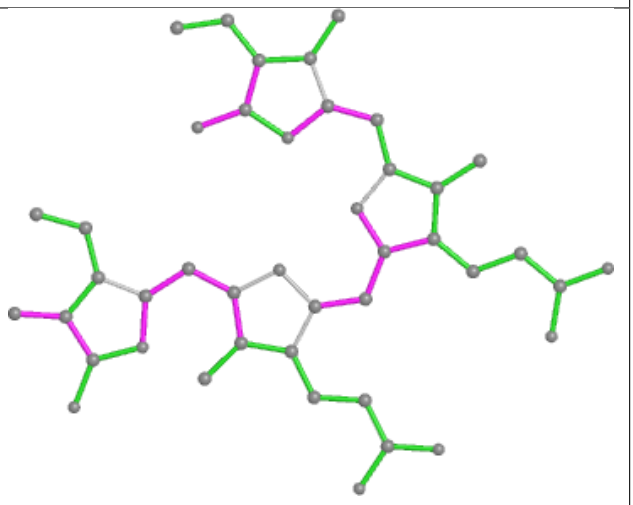

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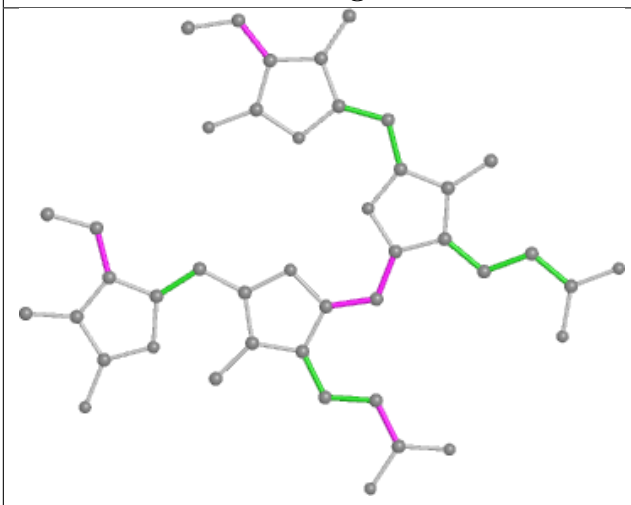

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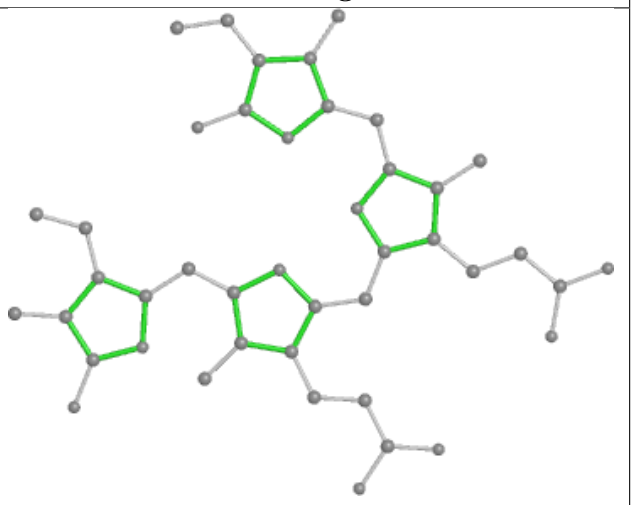
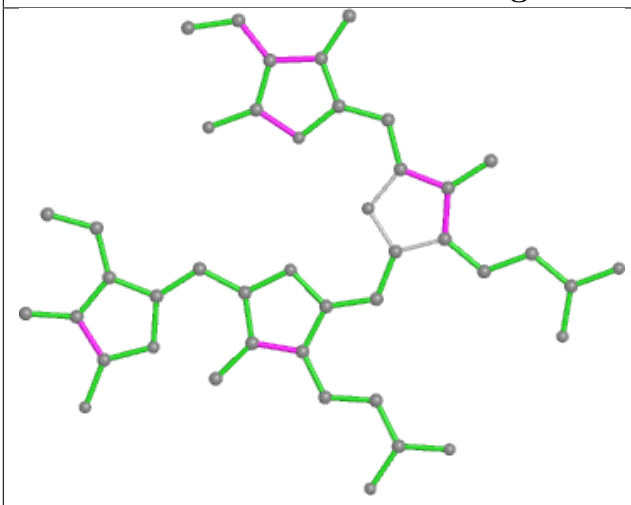


Rings

Ligand PEB W3 203



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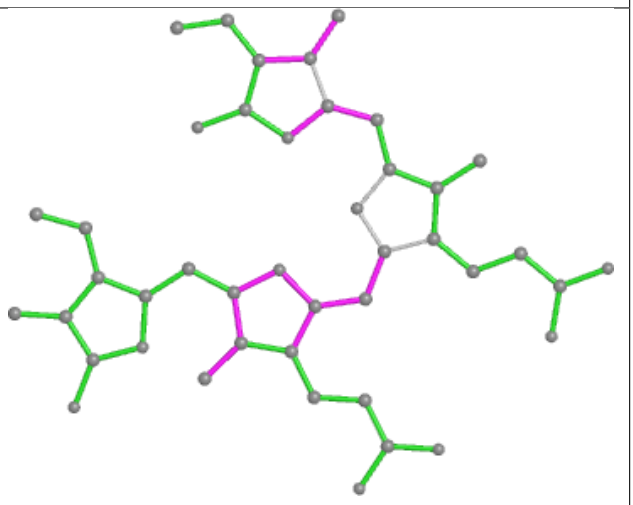

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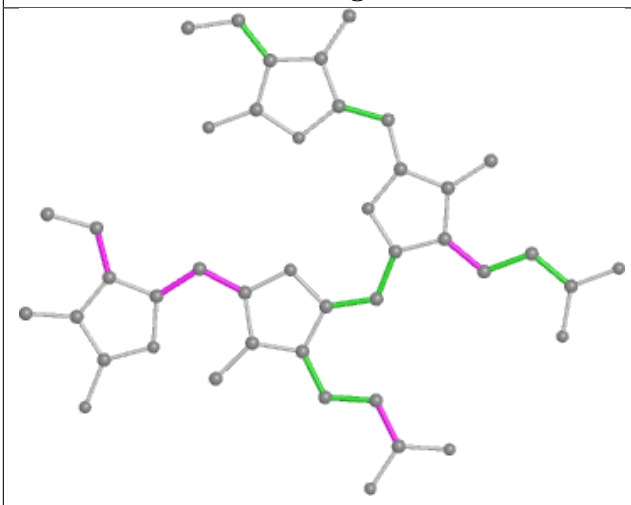

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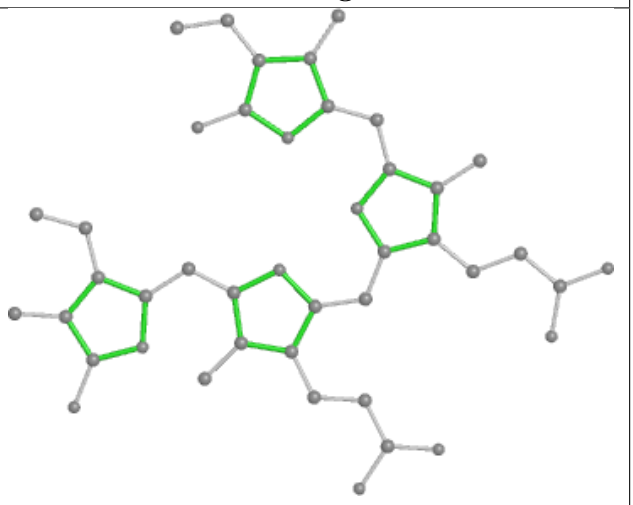
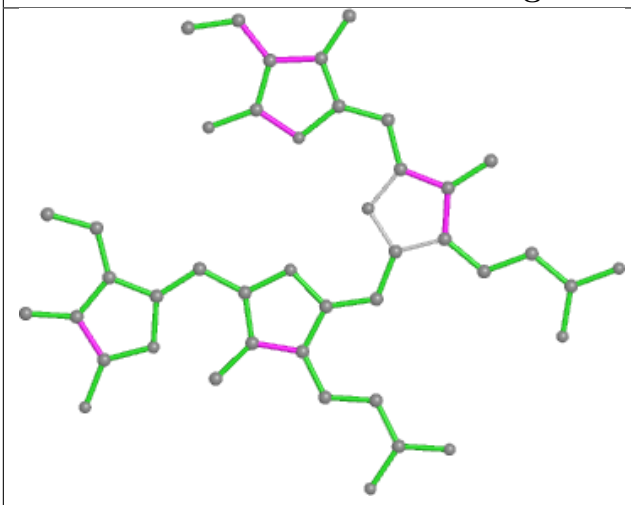


Rings

Ligand PEB lo 203



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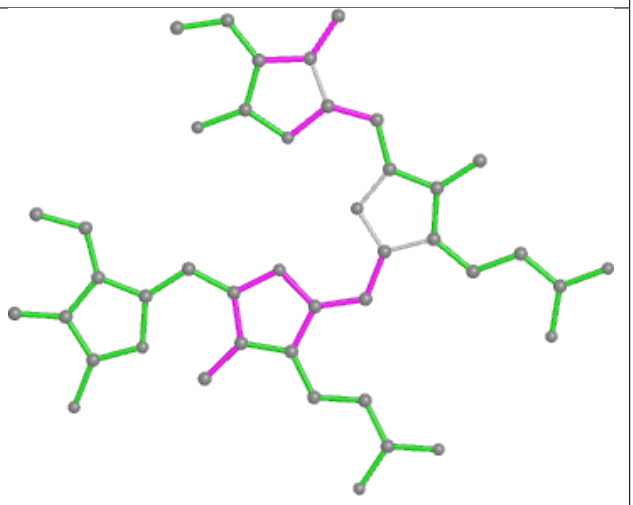

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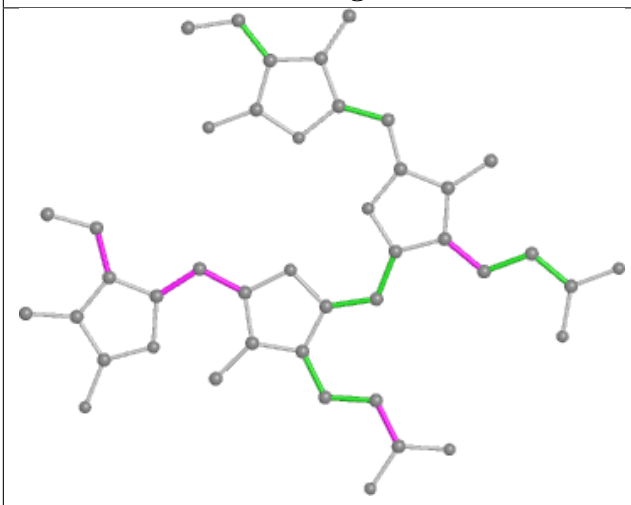

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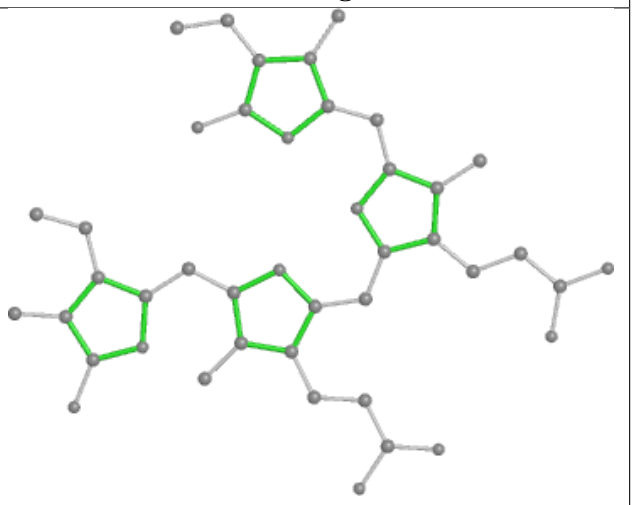

Rings

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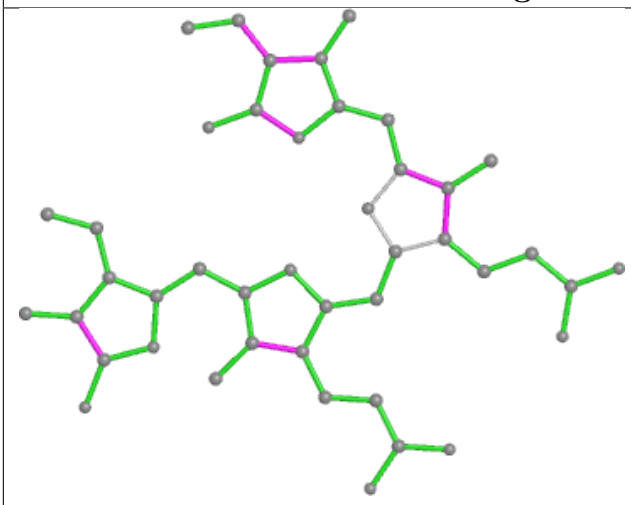

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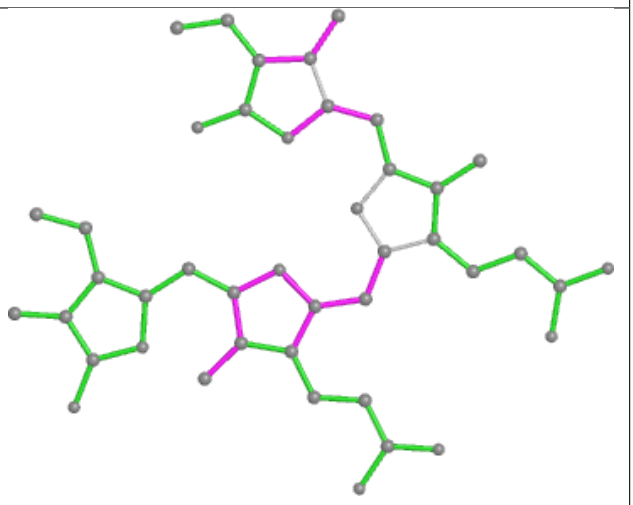

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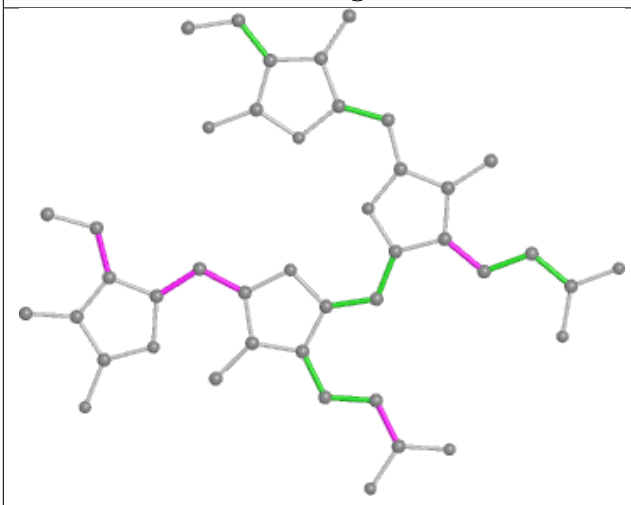

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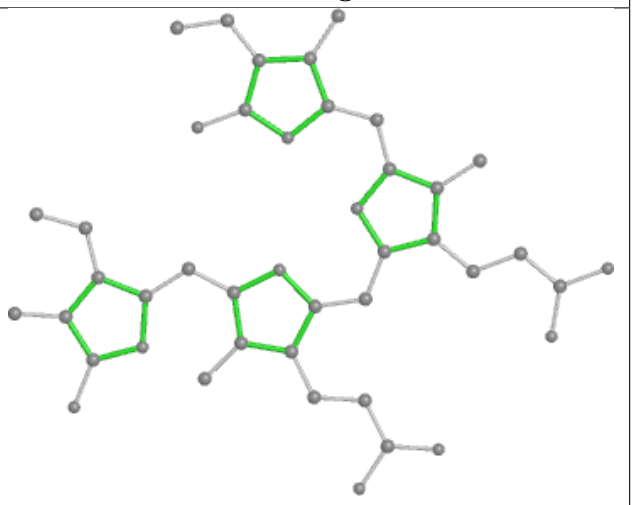
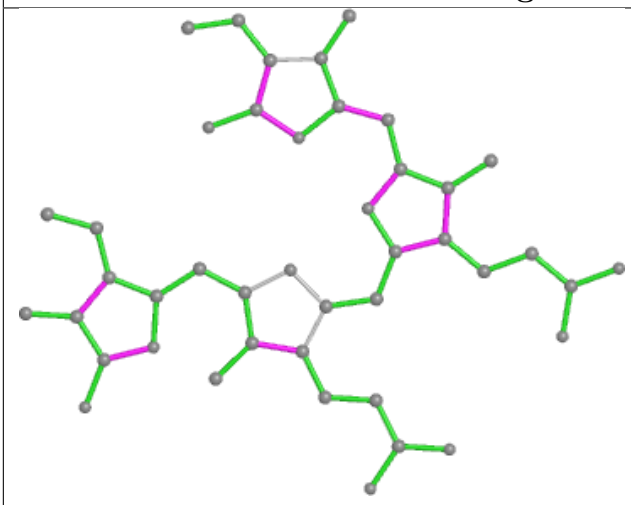


Rings

Ligand PUB b9 406



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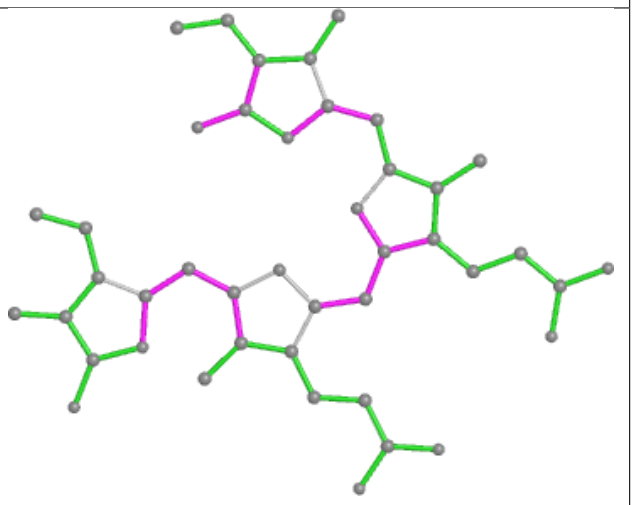

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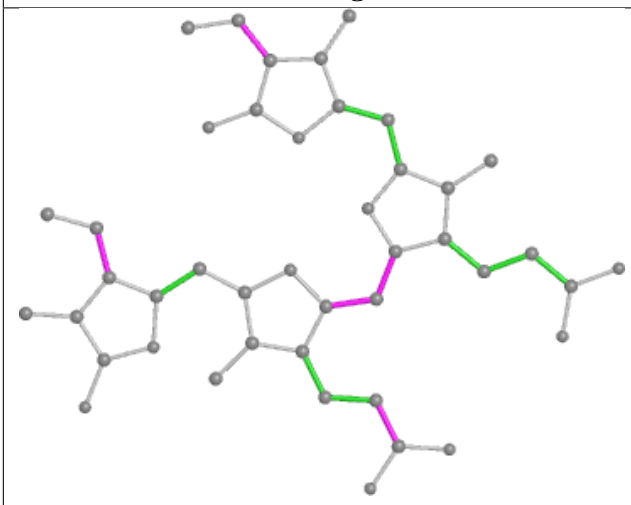

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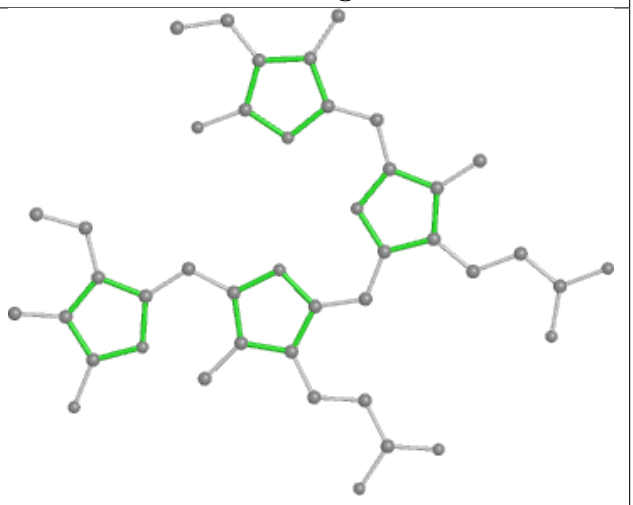

Rings

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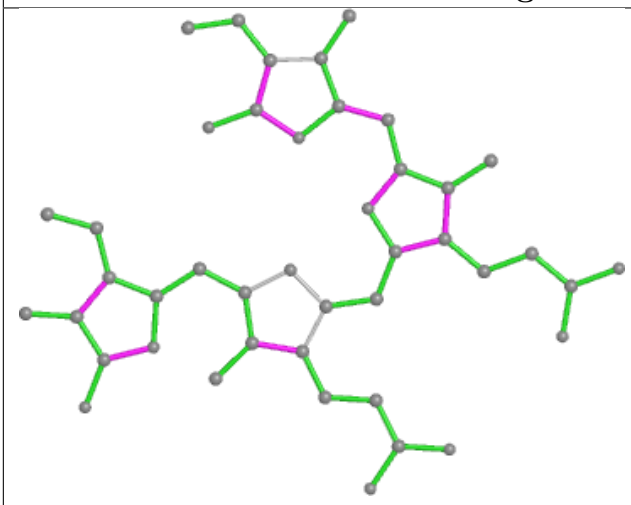

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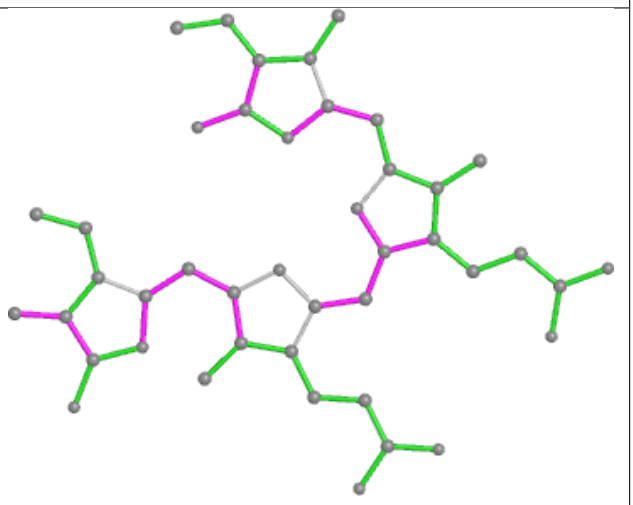

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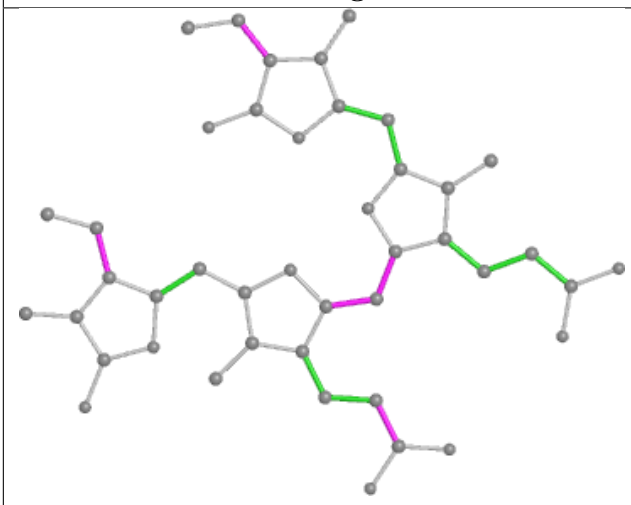

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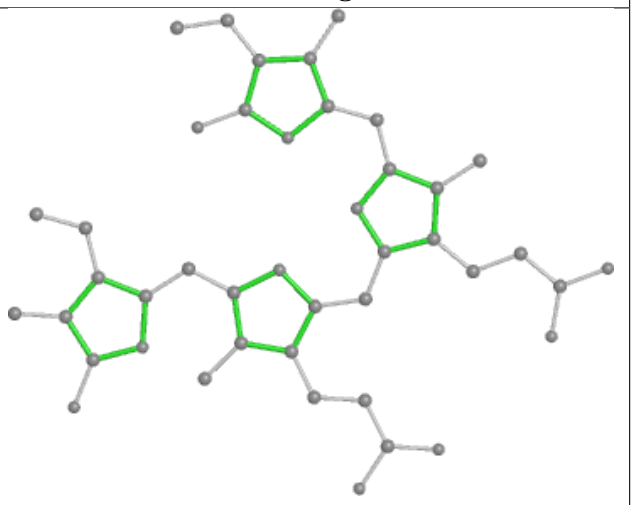
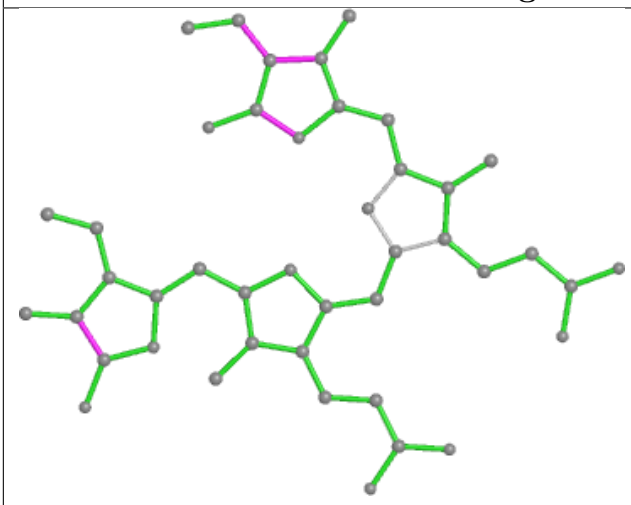


Rings

Ligand PEB u9 202



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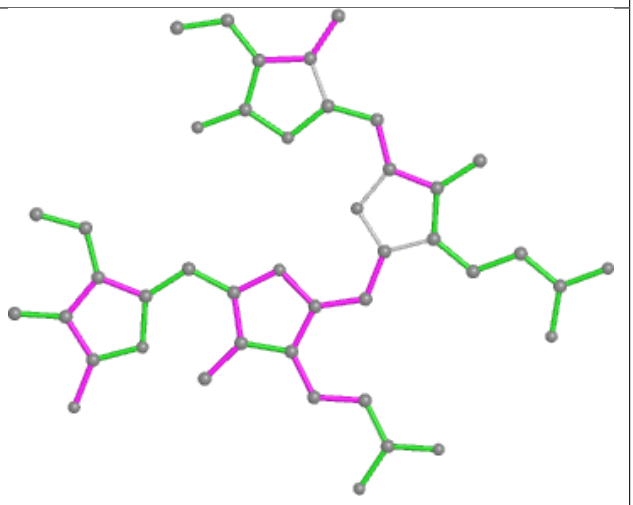

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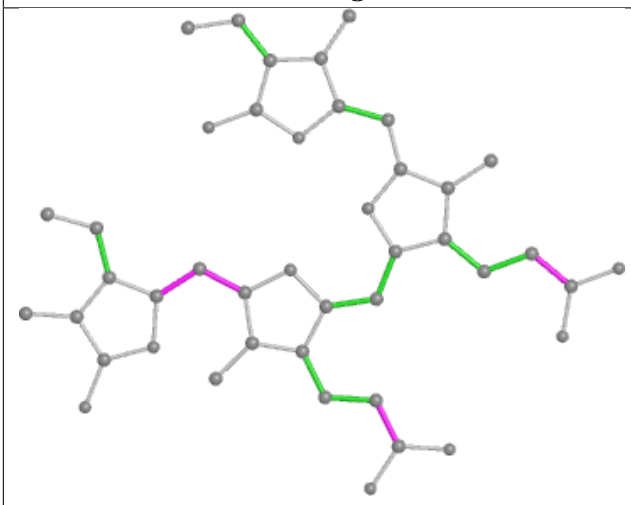

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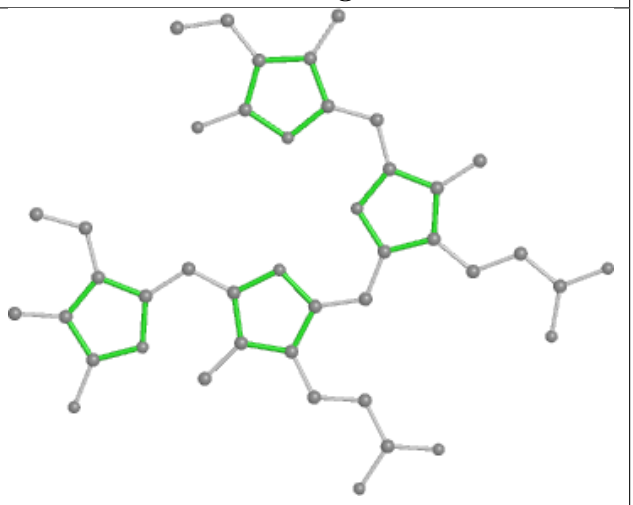

Rings

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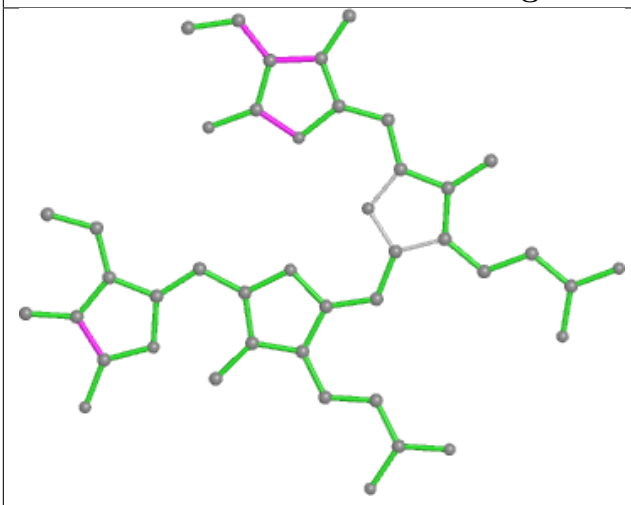

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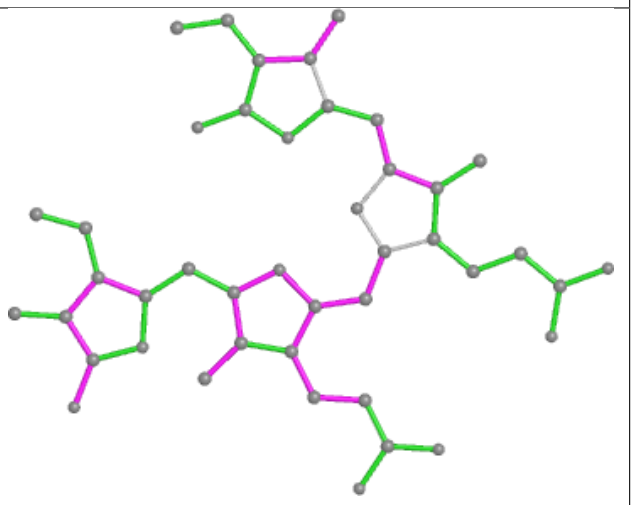

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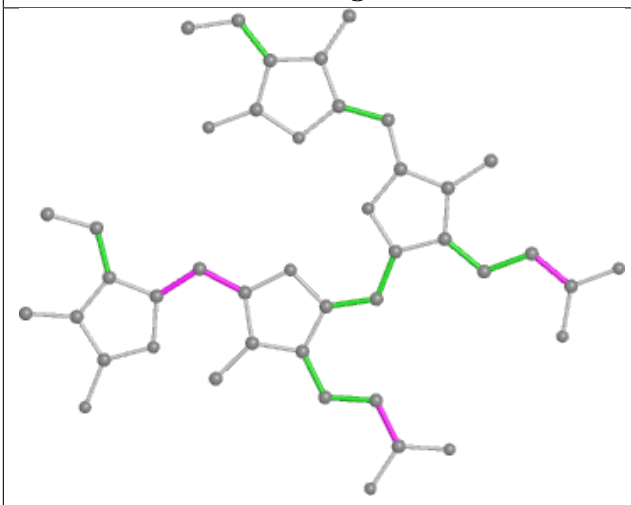

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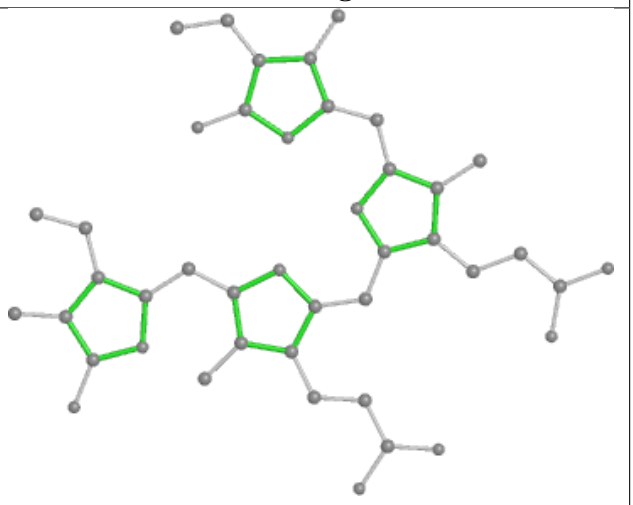

Rings

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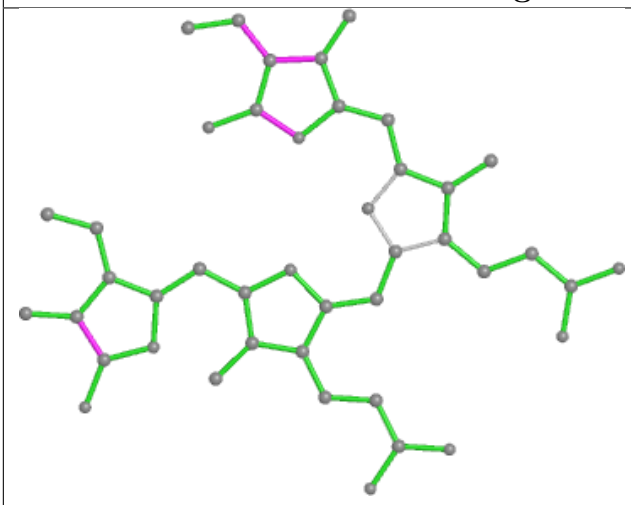

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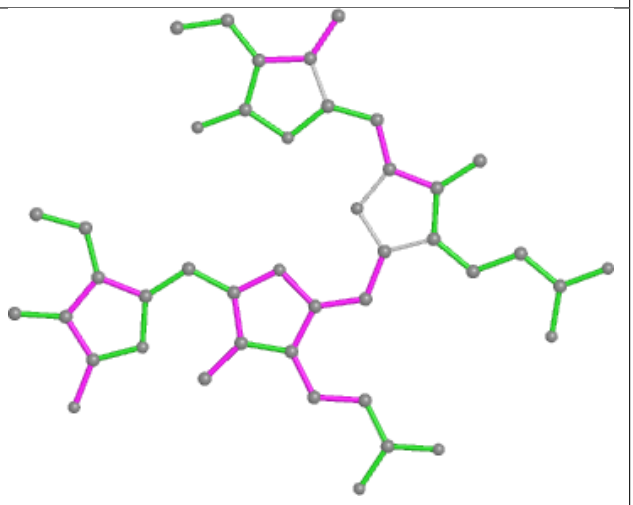

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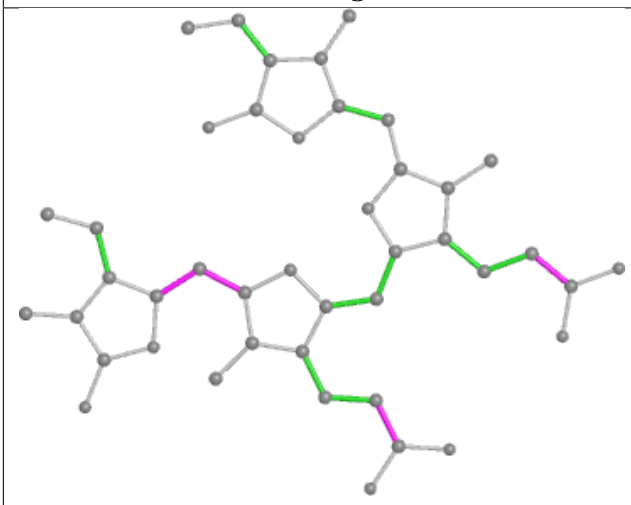

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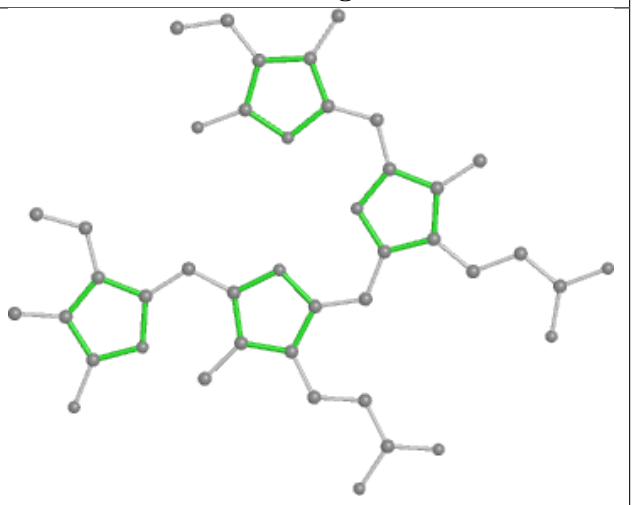
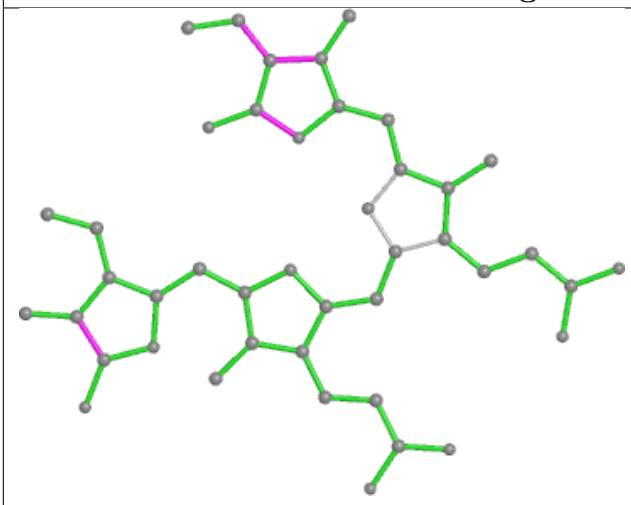


Rings

Ligand PEB q9 202



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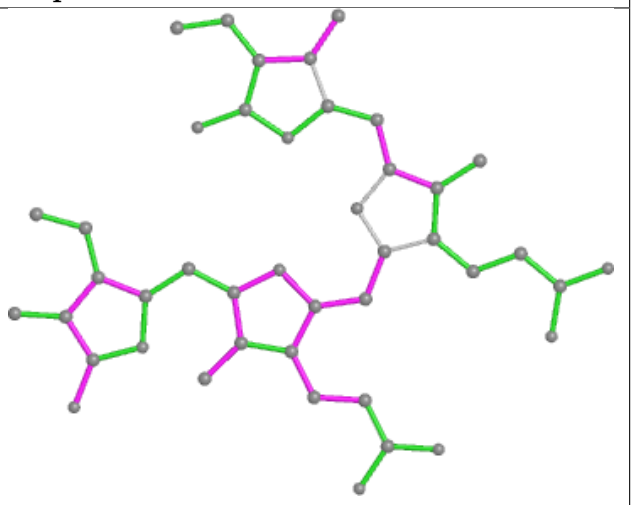

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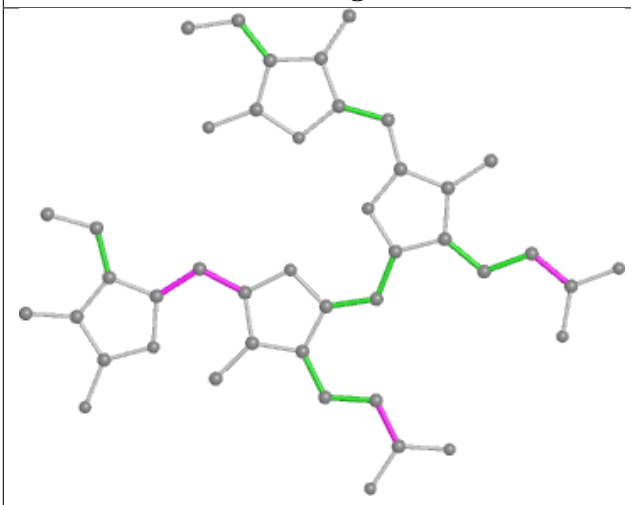

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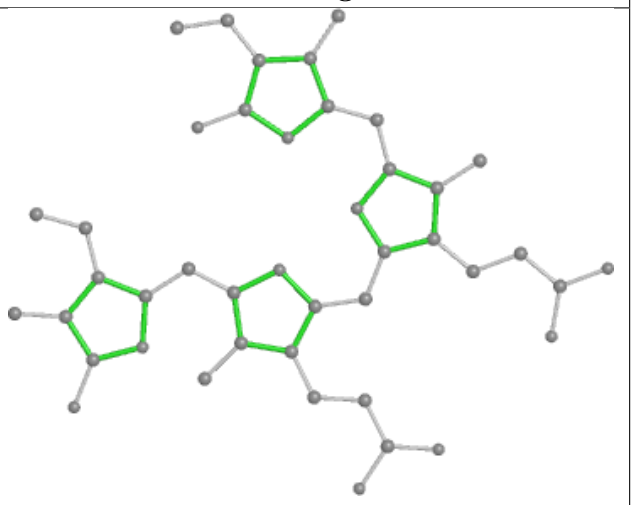
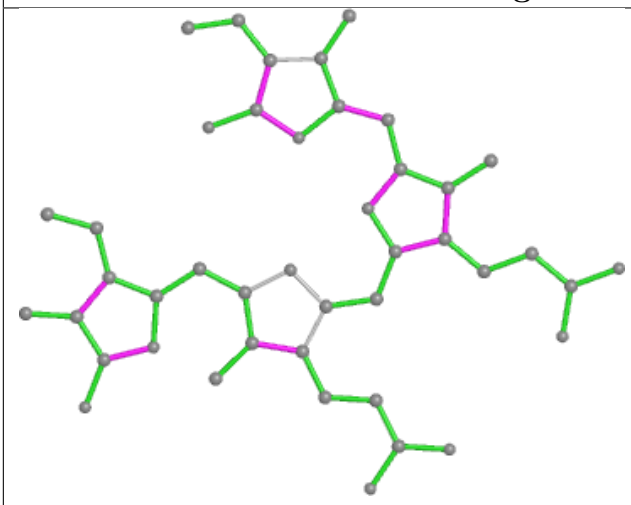


Rings

Ligand PUB Y9 305



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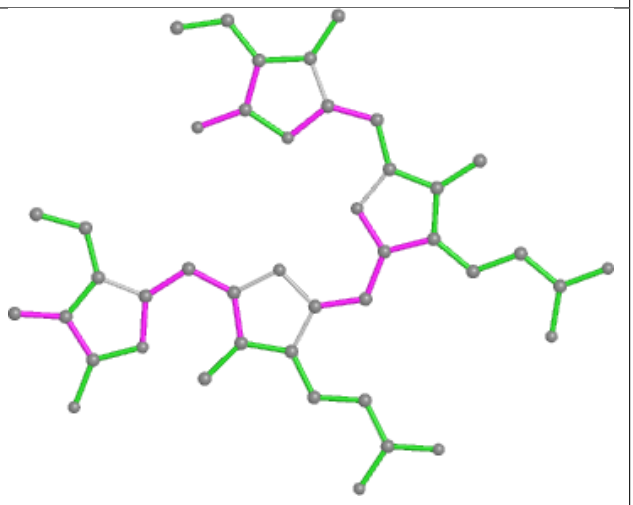
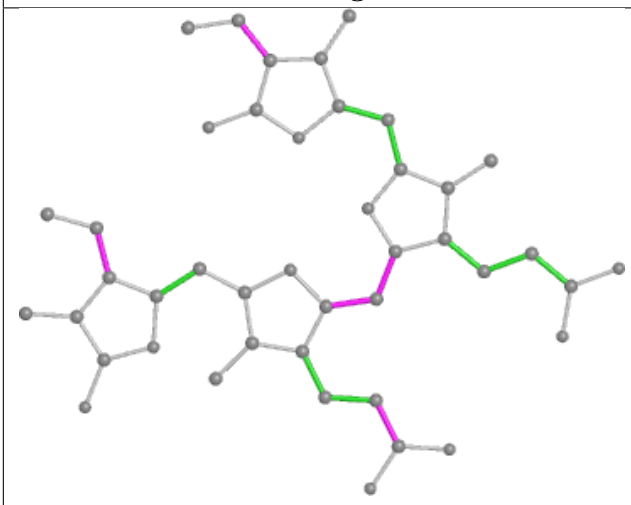


Bond angles



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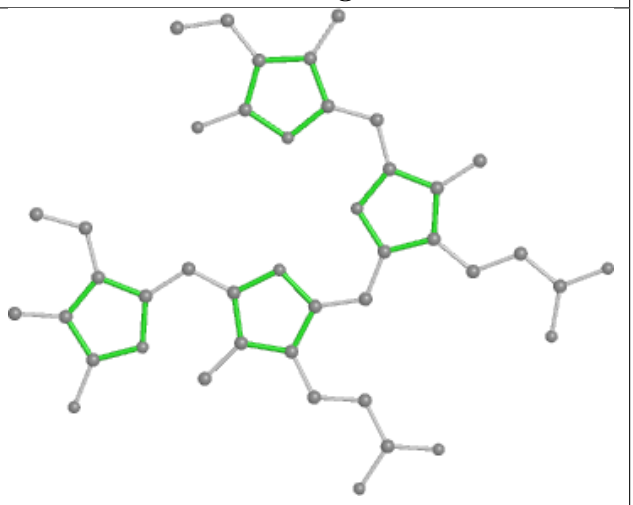
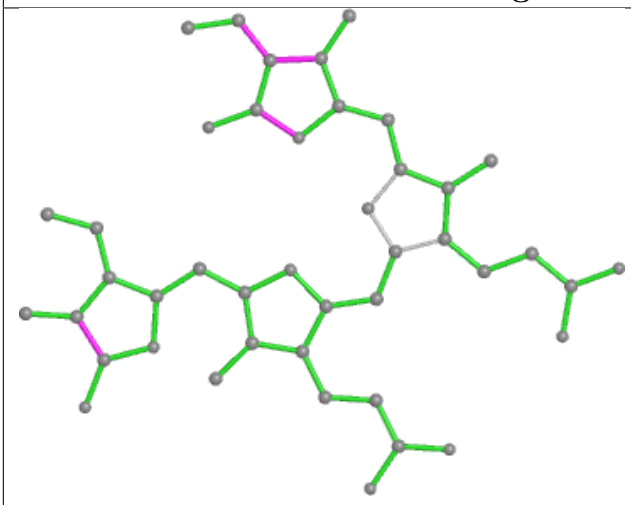


Rings

Ligand PEB jL 1001



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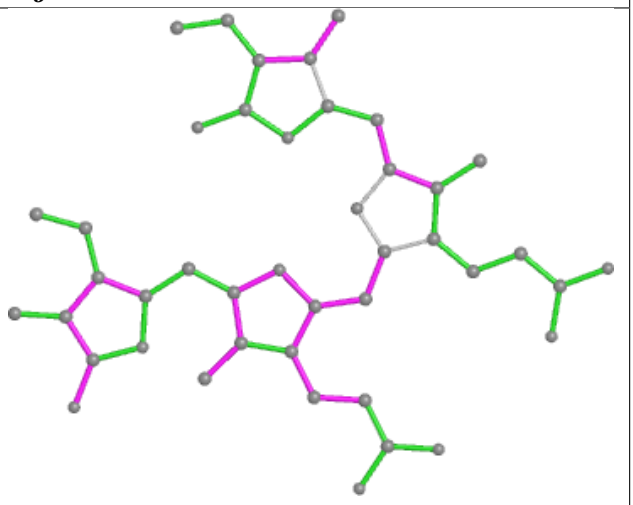

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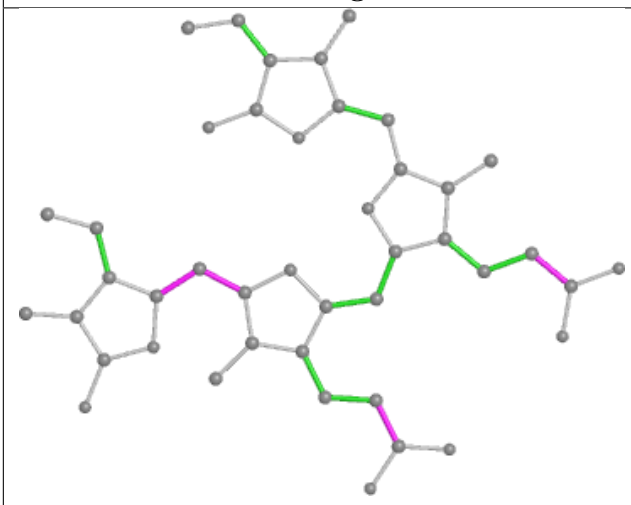
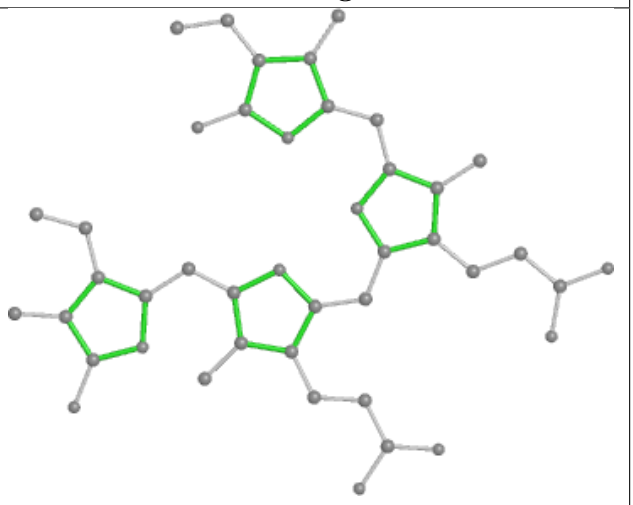
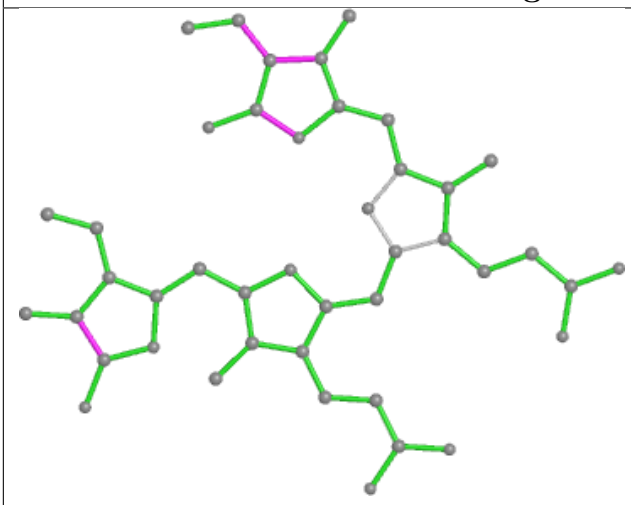


Torsions



Rings

Ligand PEB j5 202



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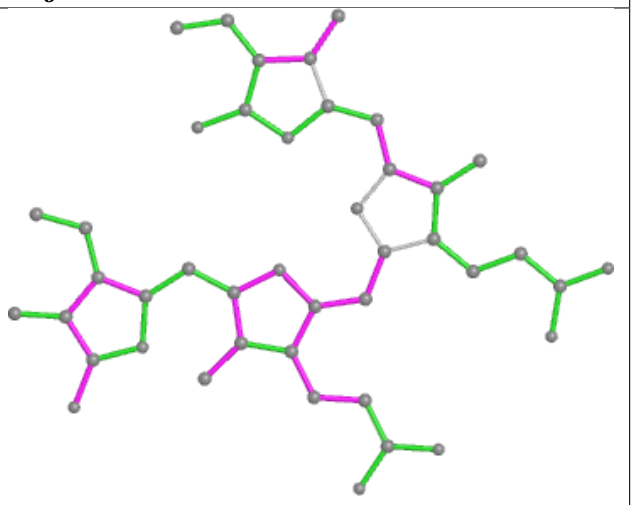

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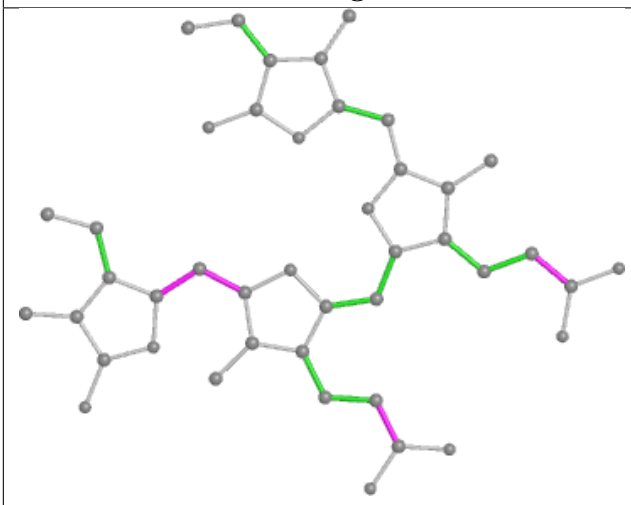

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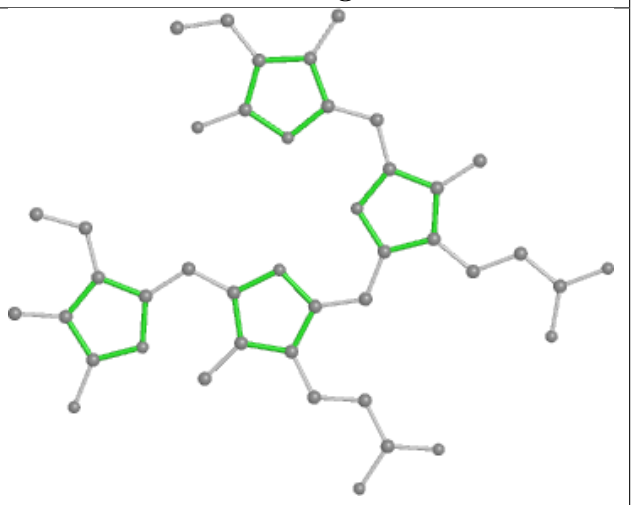
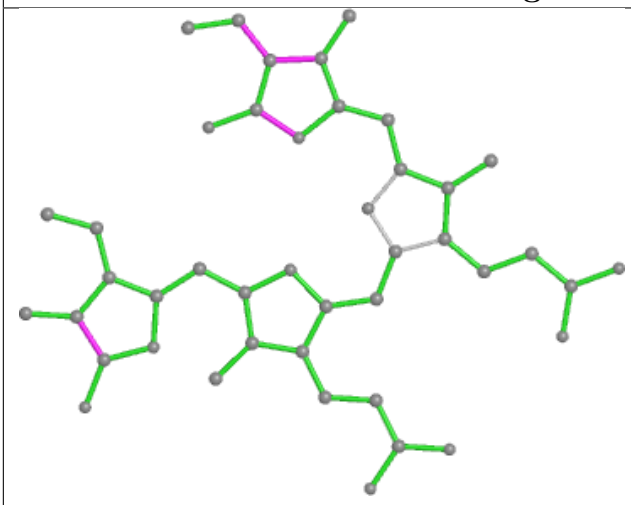


Rings

Ligand PEB j5 201



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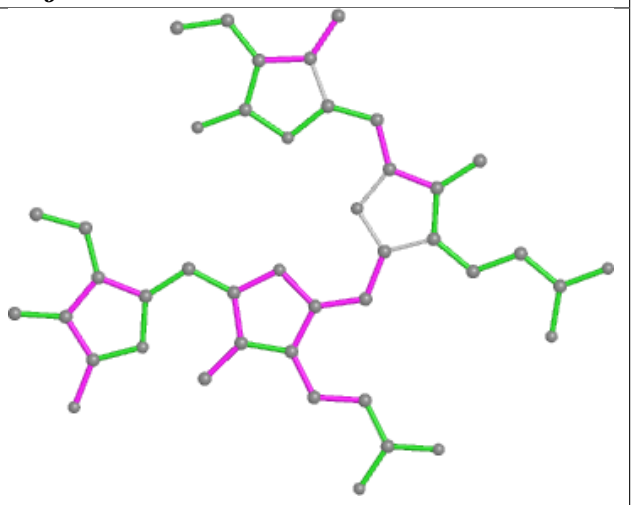

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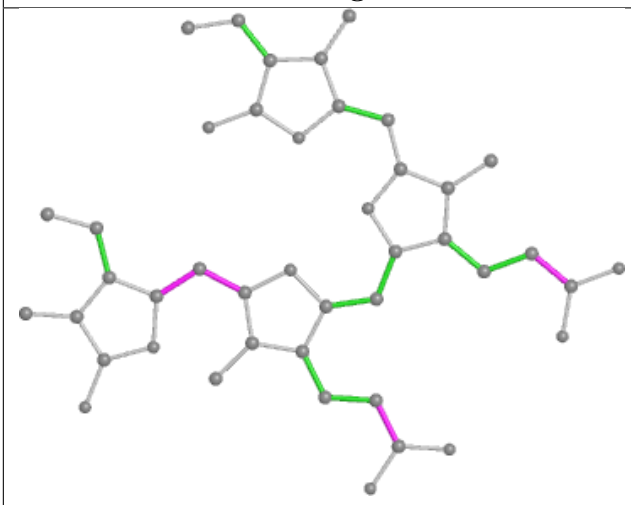

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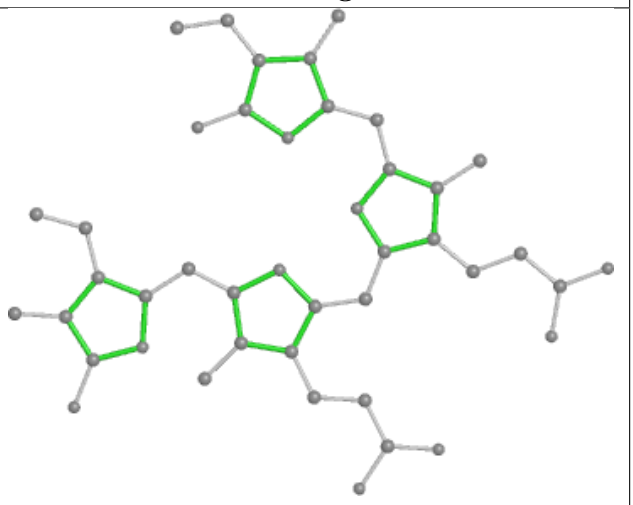
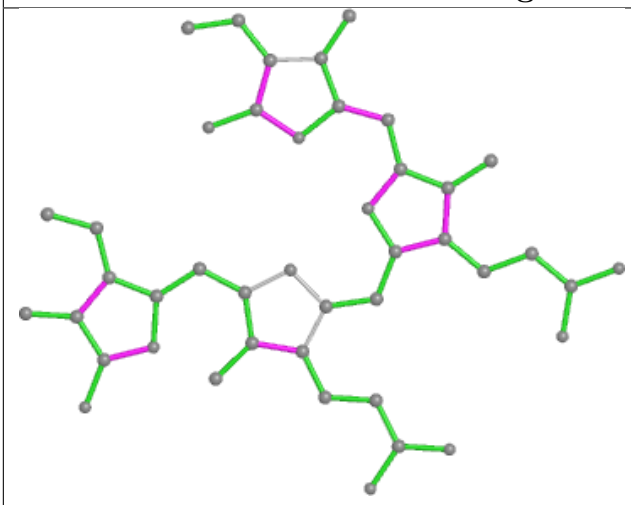


Rings

Ligand PUB d9 305



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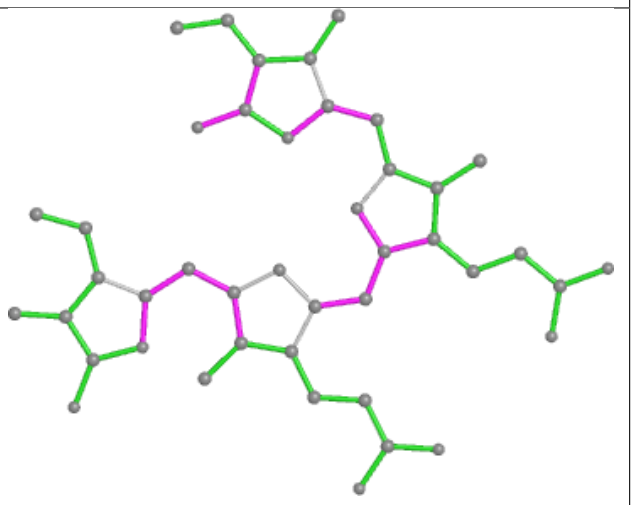

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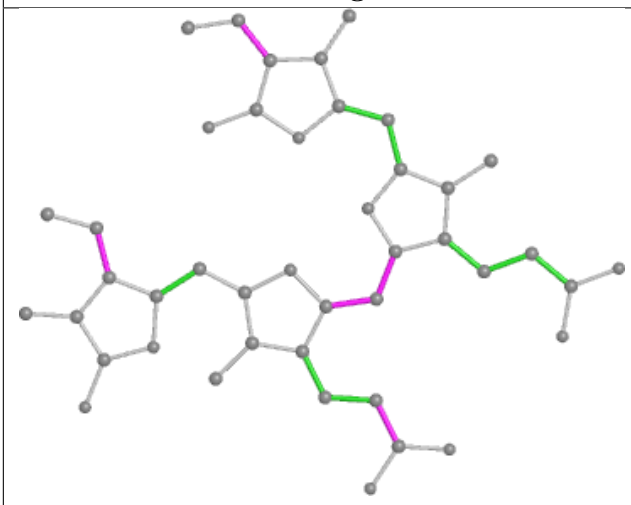

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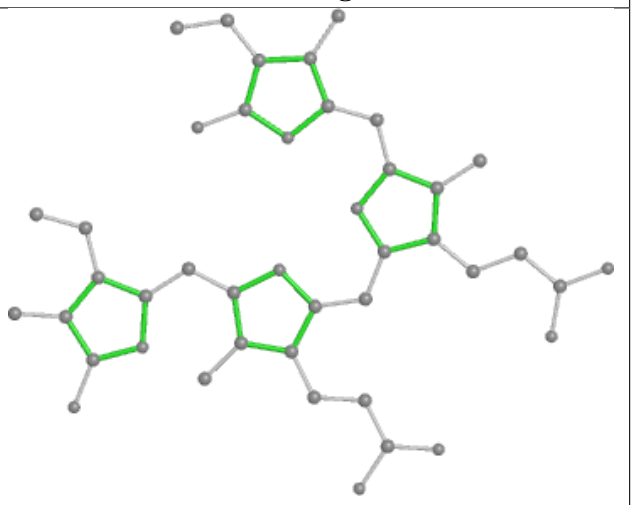
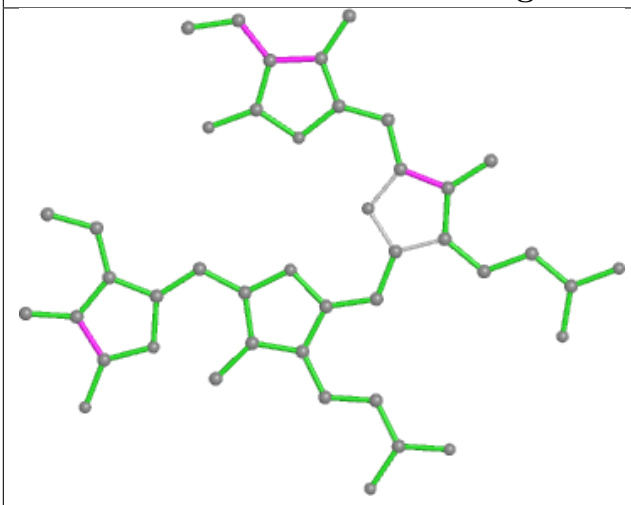


Rings

Ligand PEB aw 202



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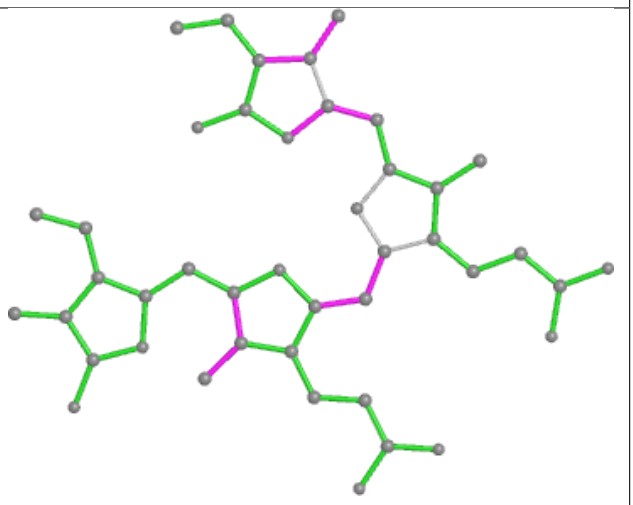

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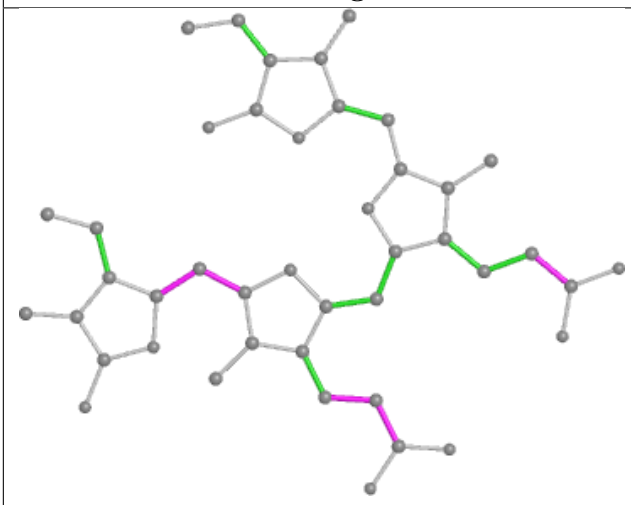

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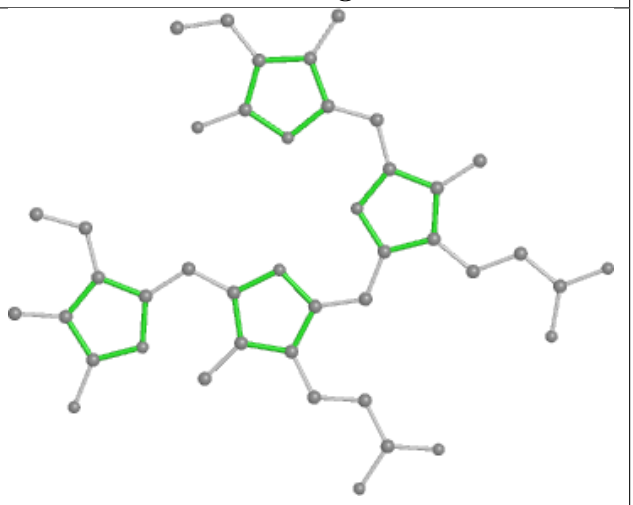
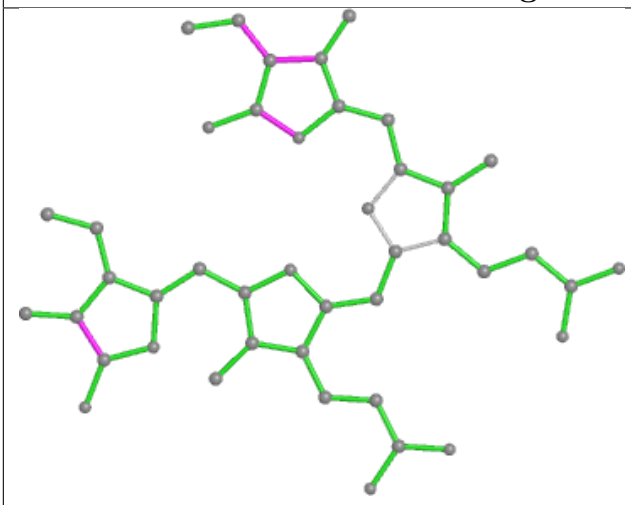


Rings

Ligand PEB g5 201



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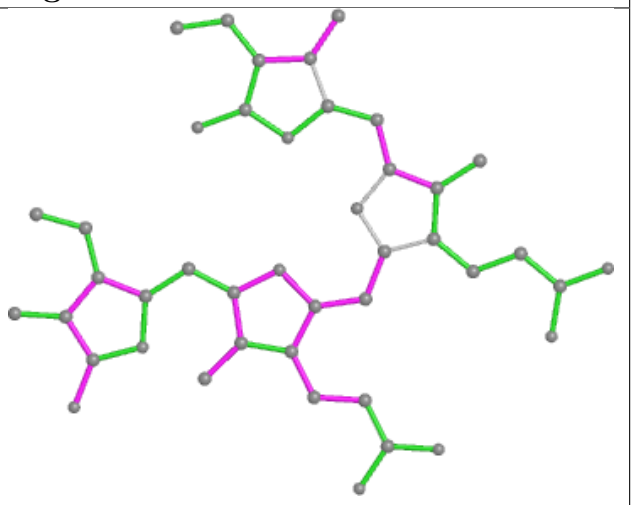

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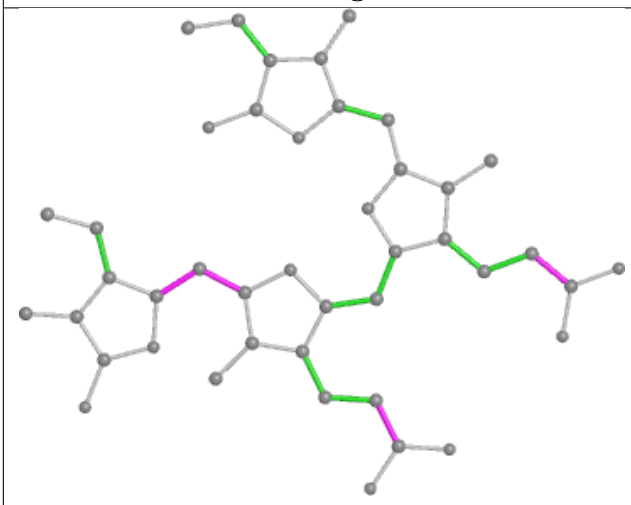

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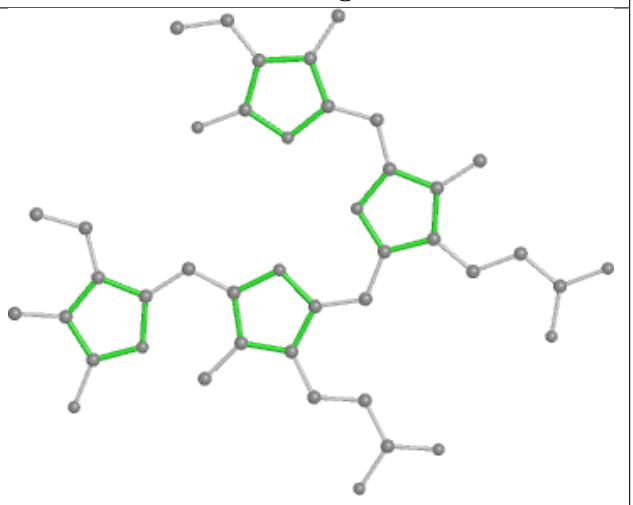

Rings

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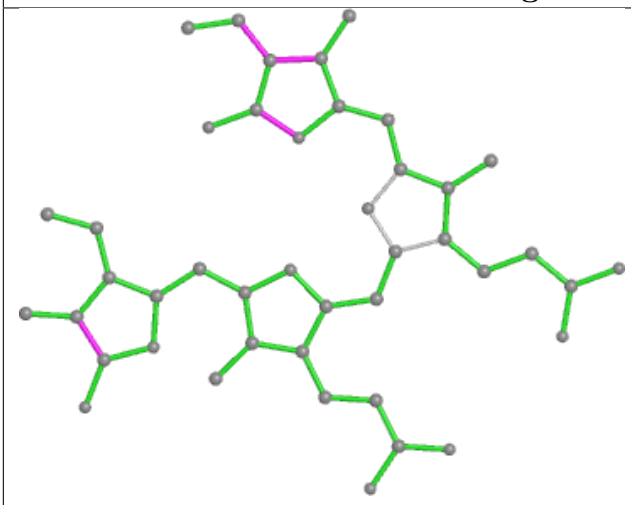

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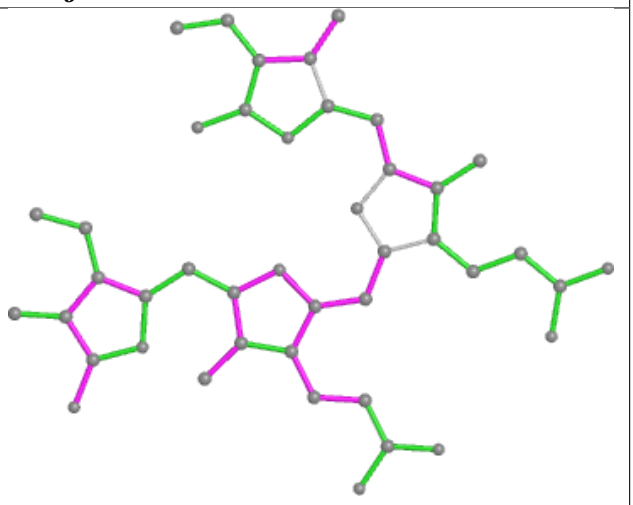

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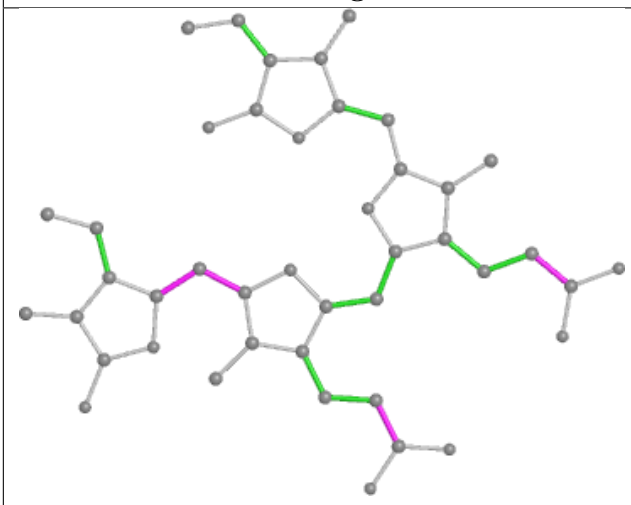

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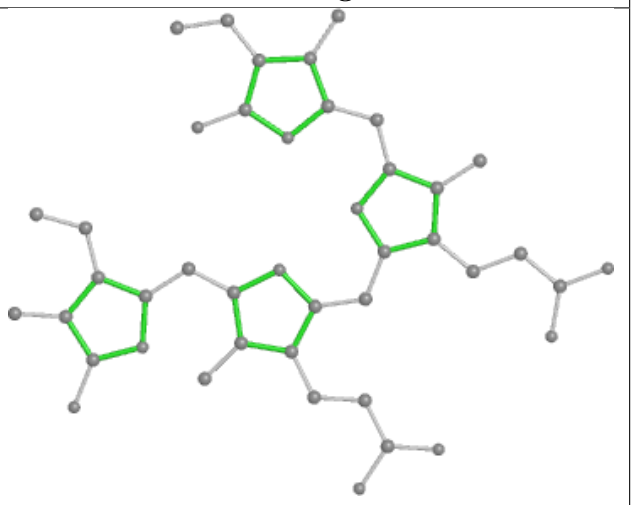
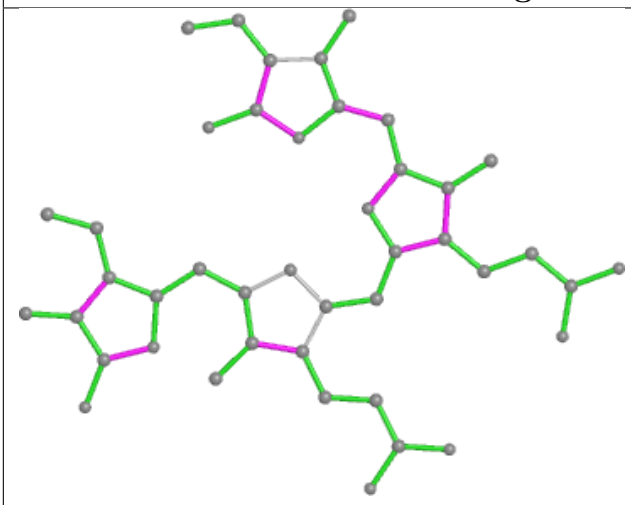


Rings

Ligand PUB cR 203



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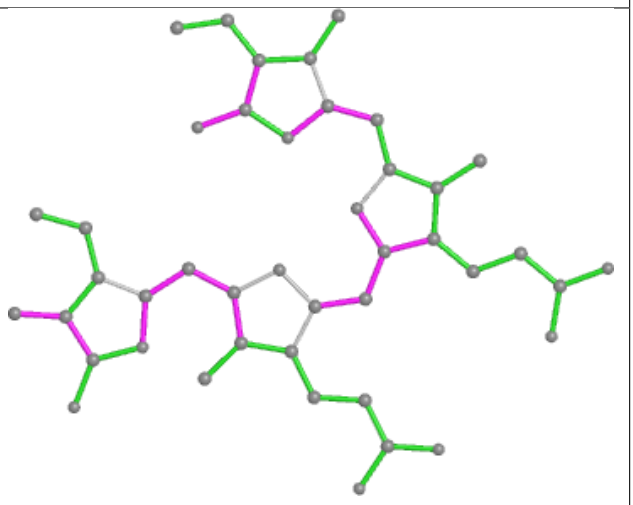

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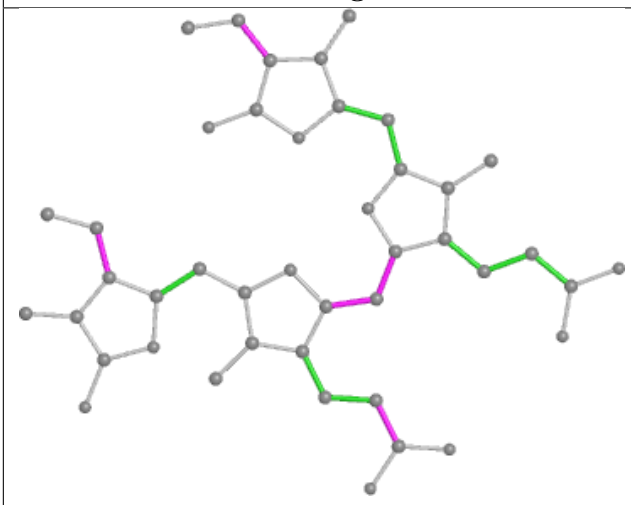

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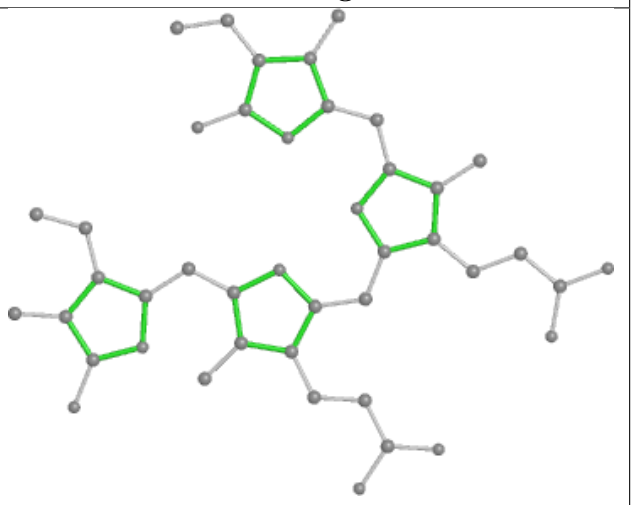

Rings

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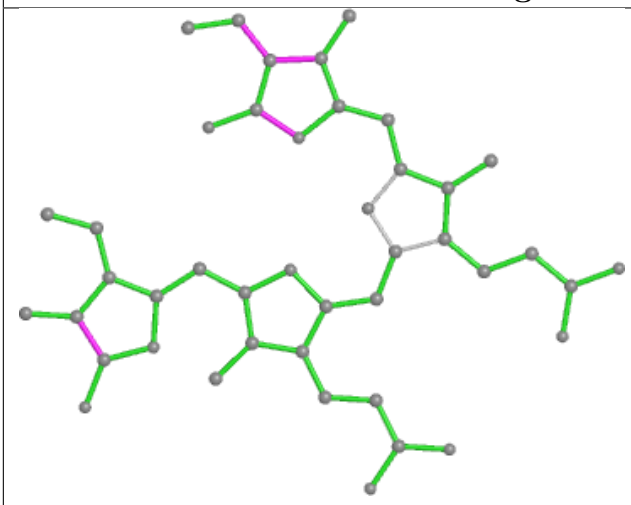

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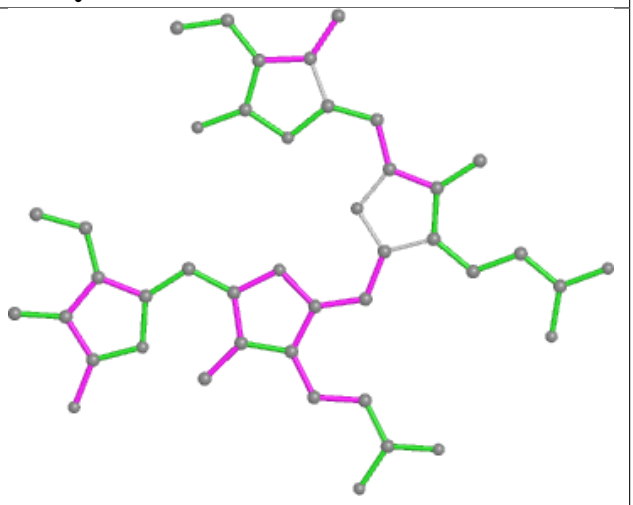

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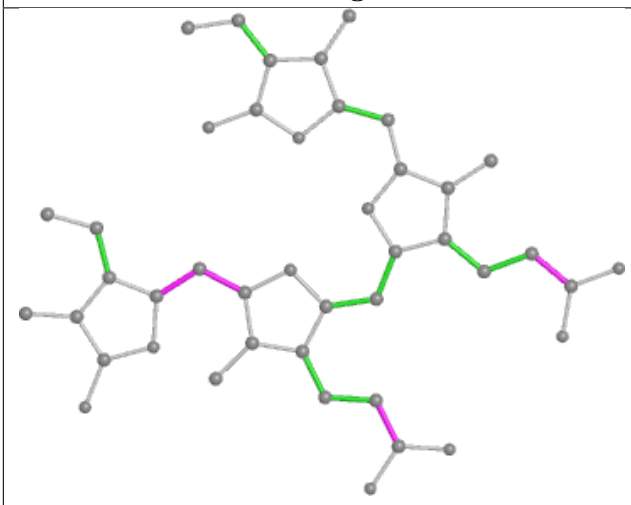

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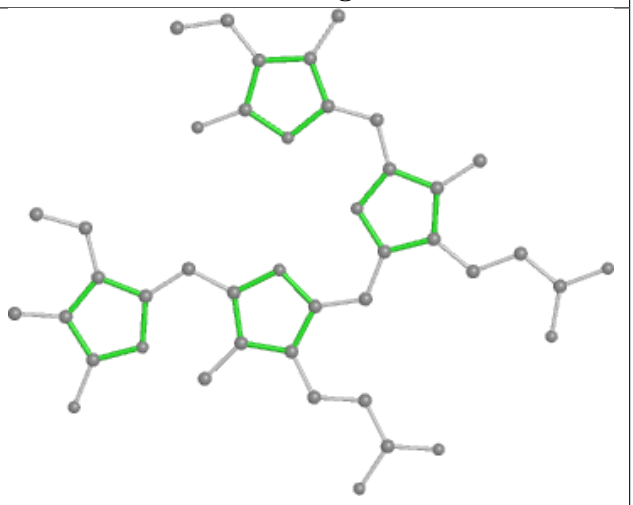
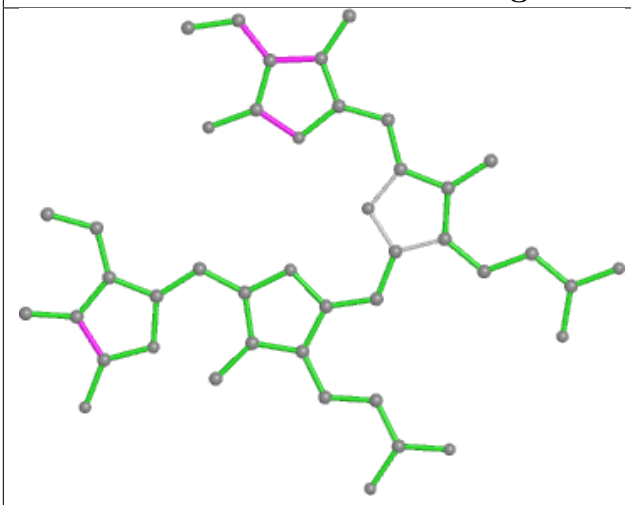


Rings

Ligand PEB y9 1002



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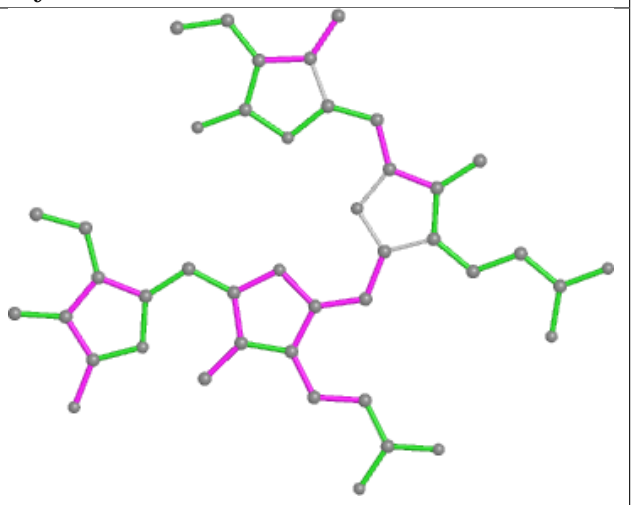

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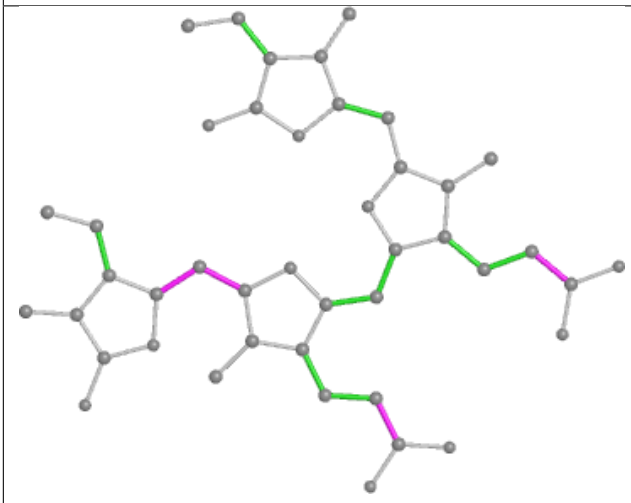

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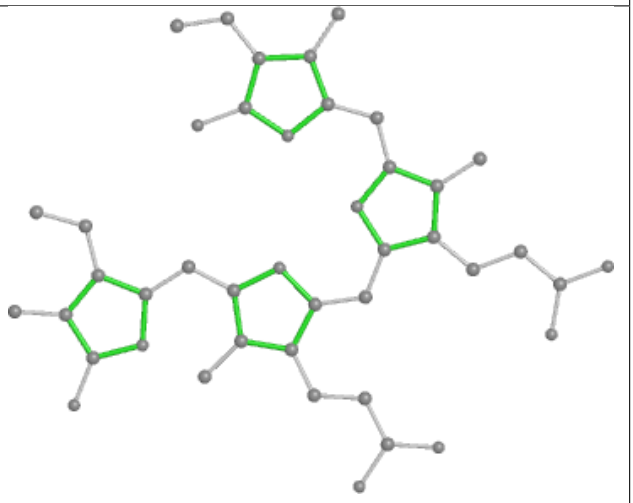

Rings

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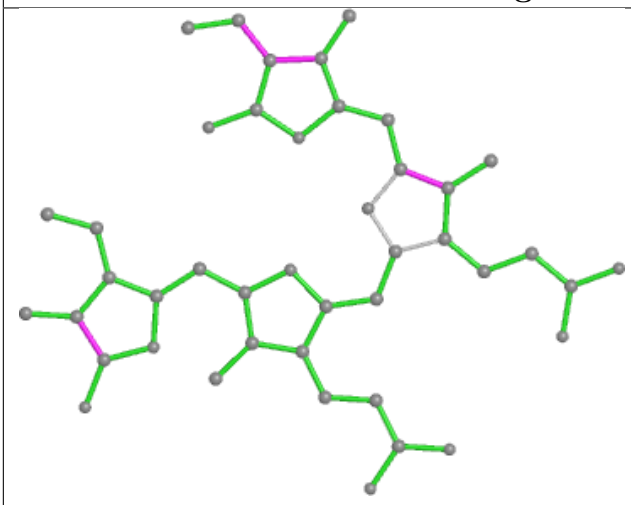

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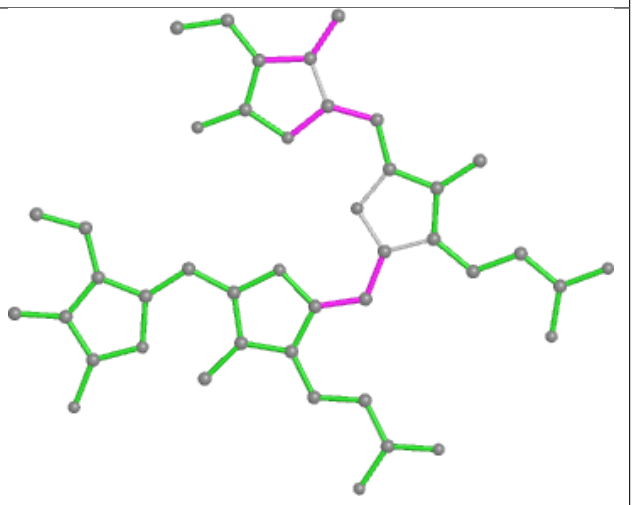

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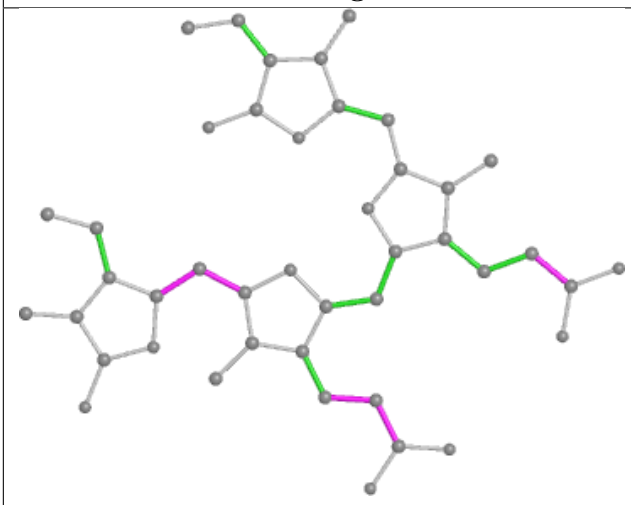

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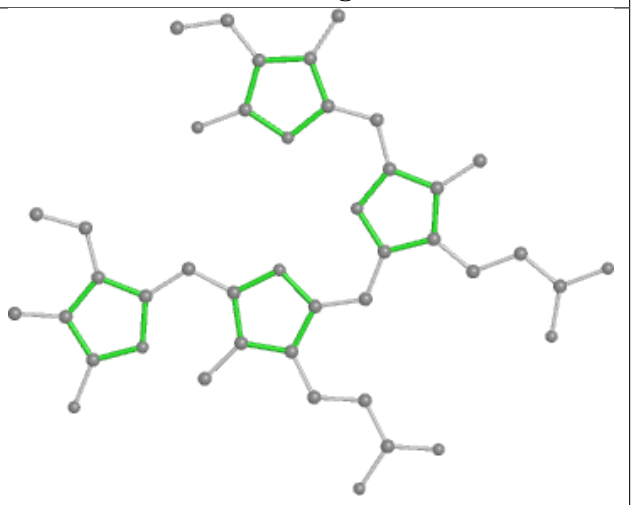
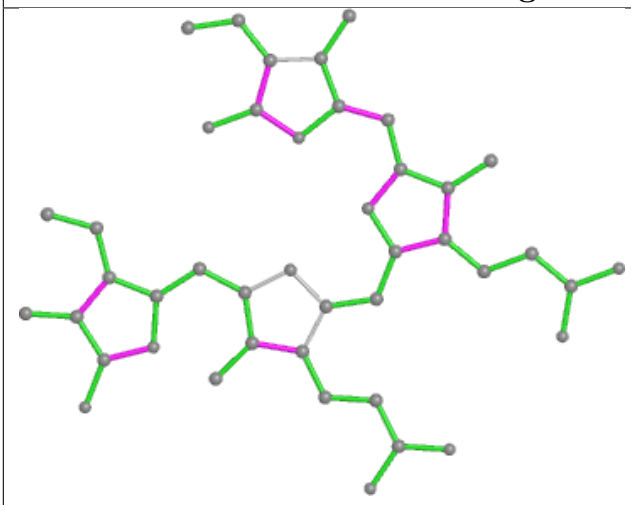


Rings

Ligand PUB c8 305



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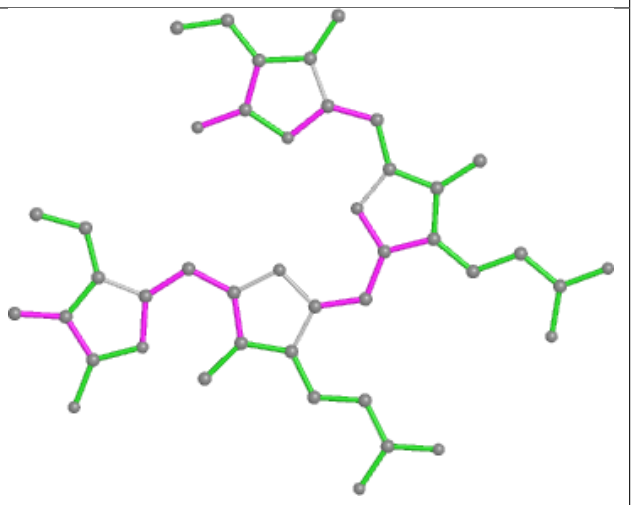

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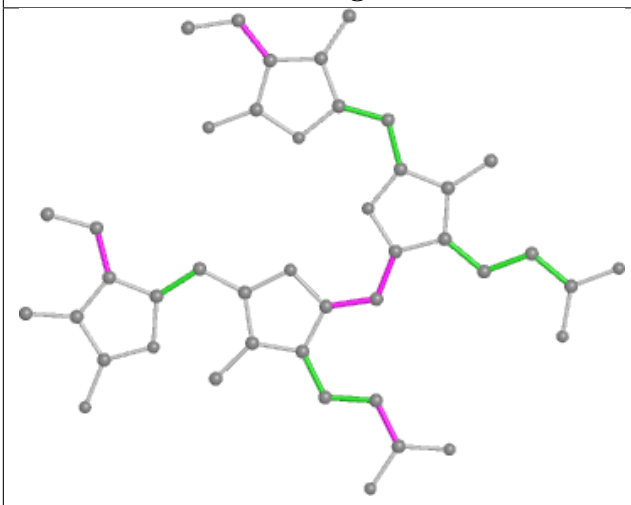

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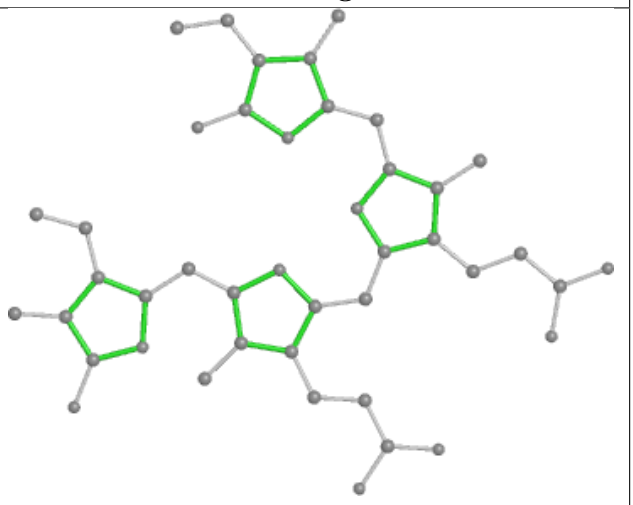
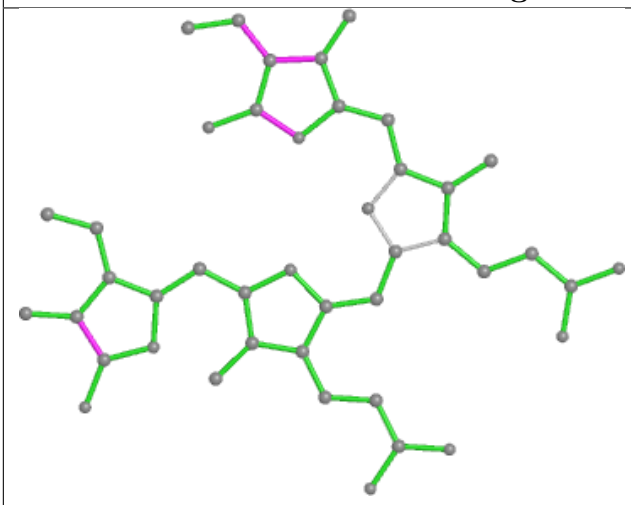


Rings

Ligand PEB W2 202



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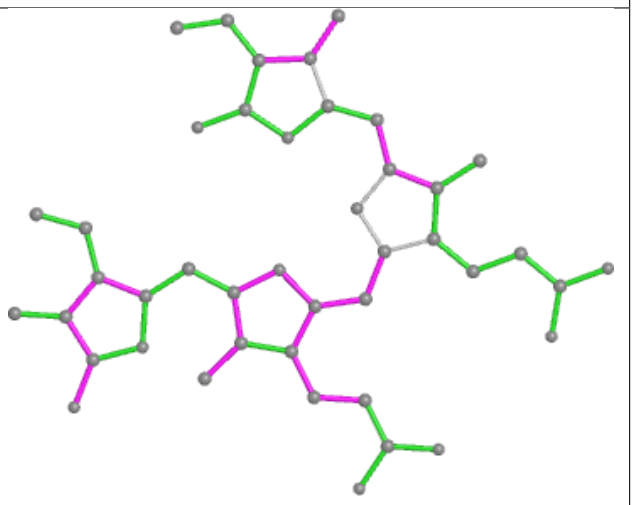
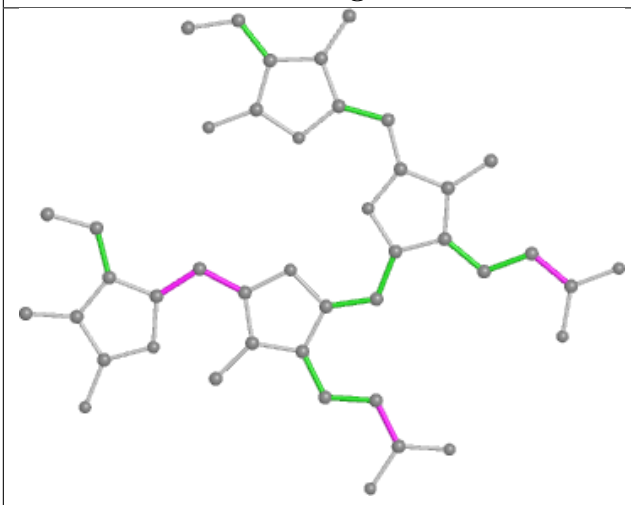


Bond angles



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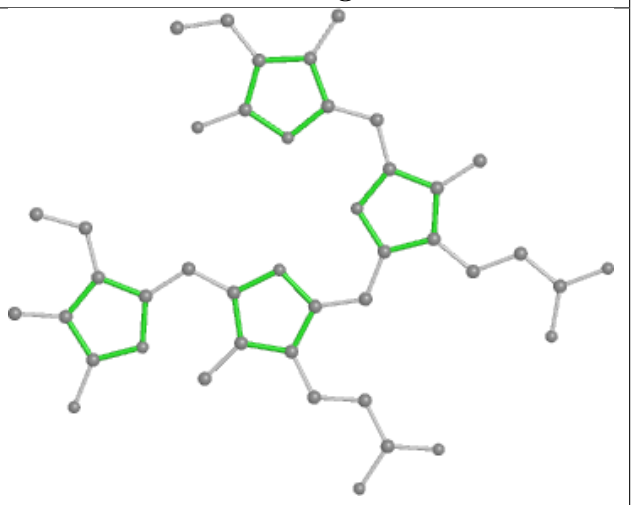

Rings

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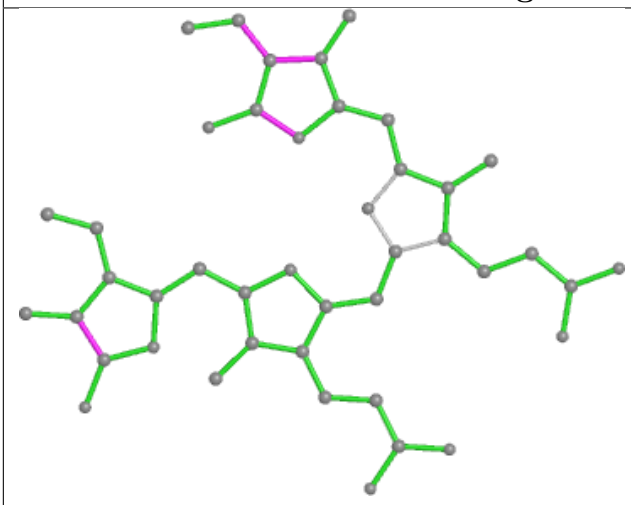

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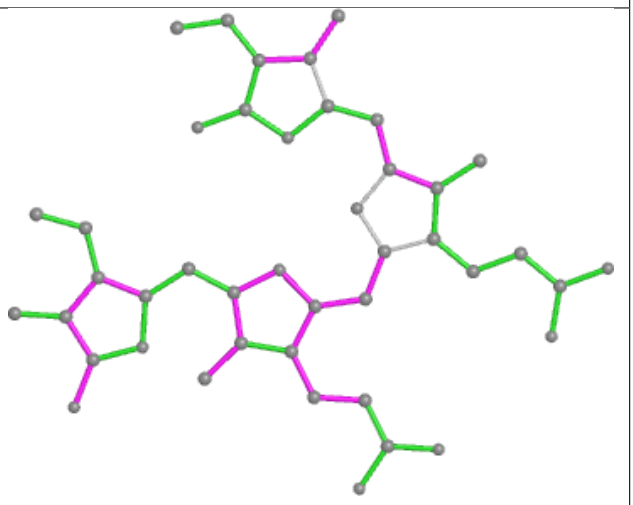
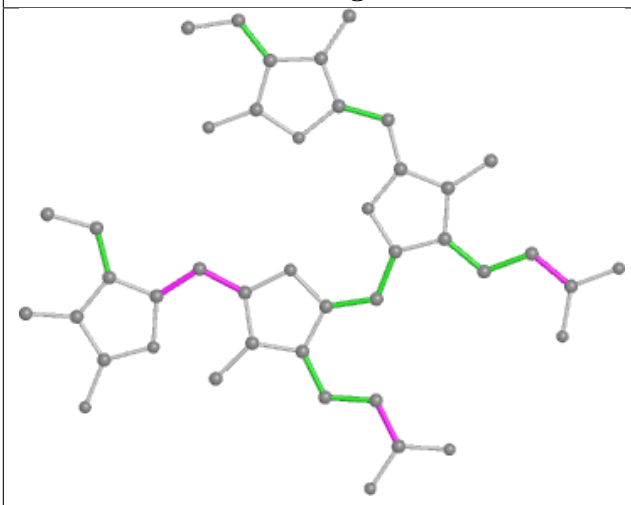
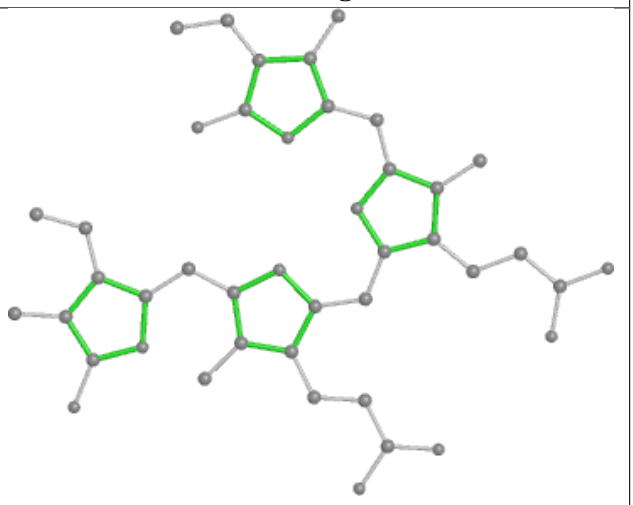


Bond angles

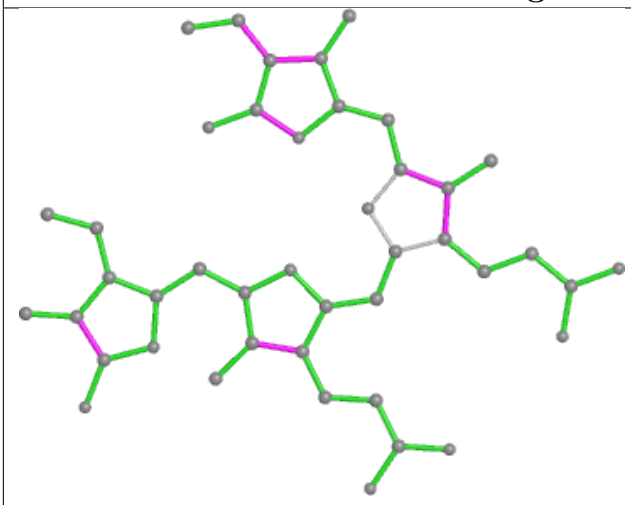


Torsions



Rings

Ligand PEB ff 202



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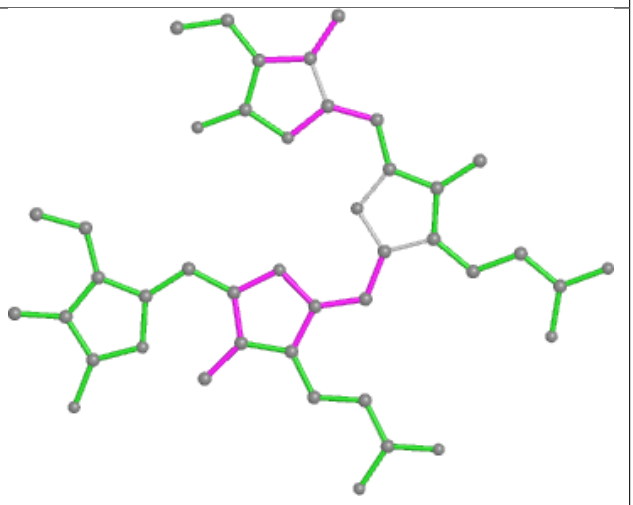

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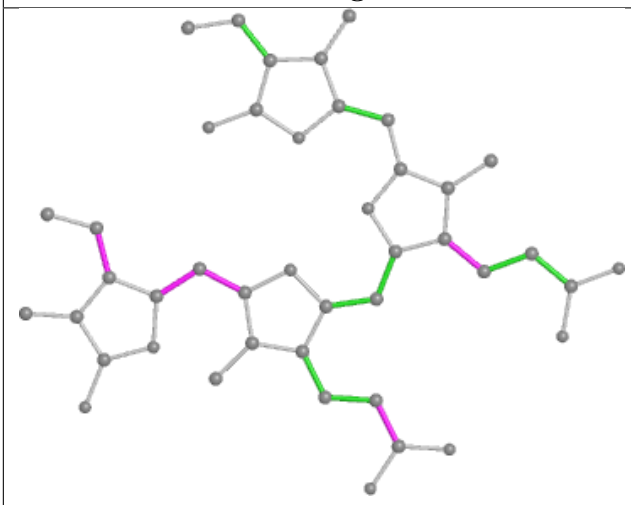

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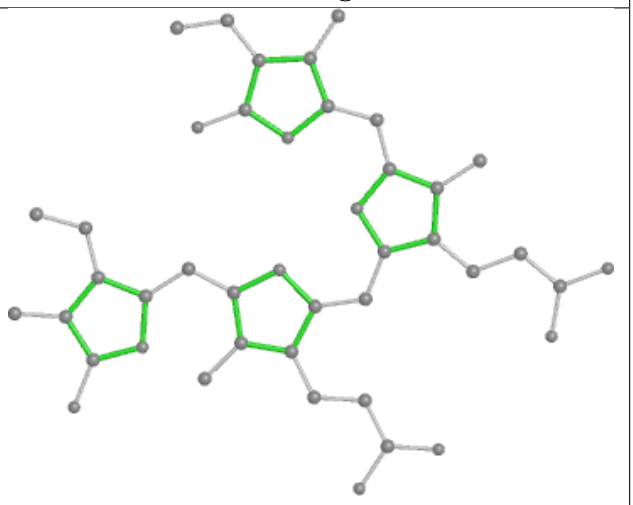
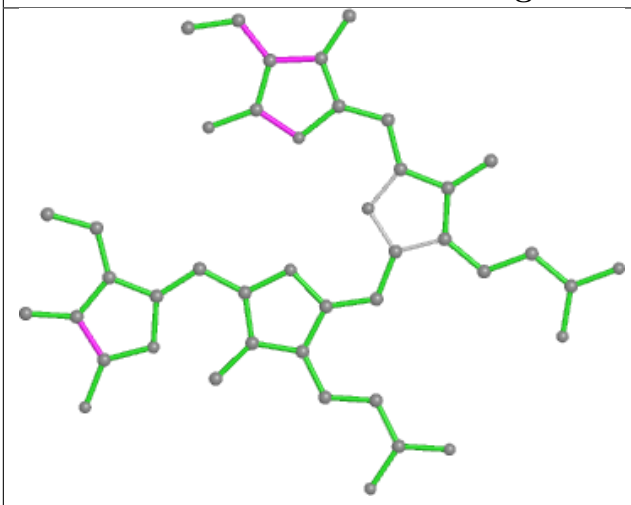


Rings

Ligand PEB U6 201



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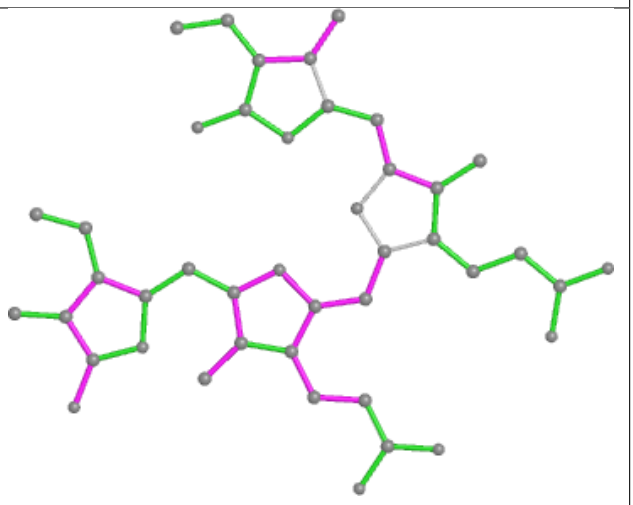

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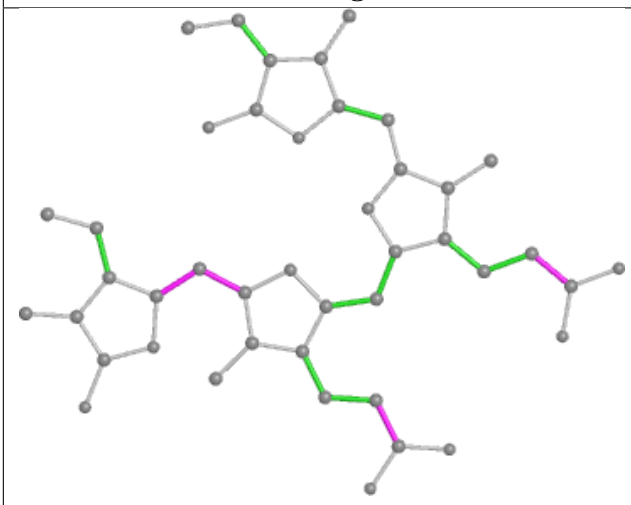

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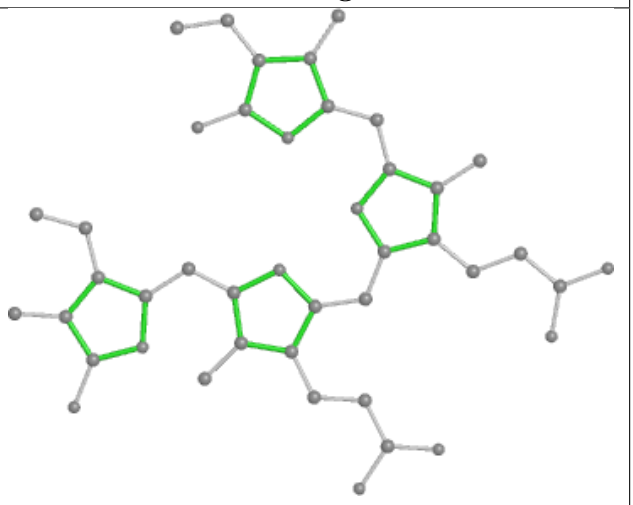
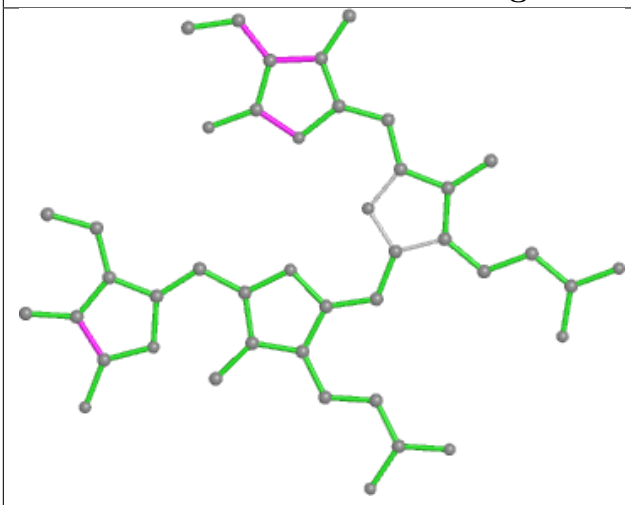


Rings

Ligand PEB b8 1001



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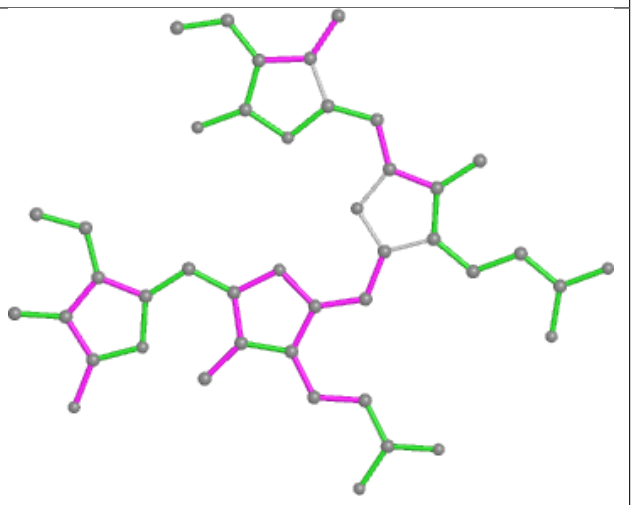

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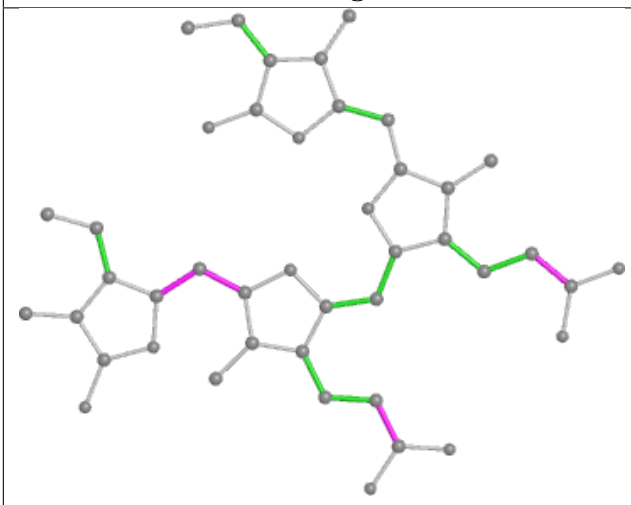

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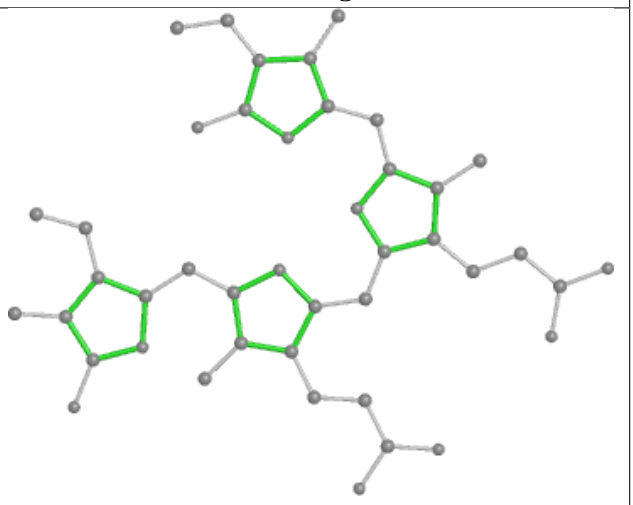
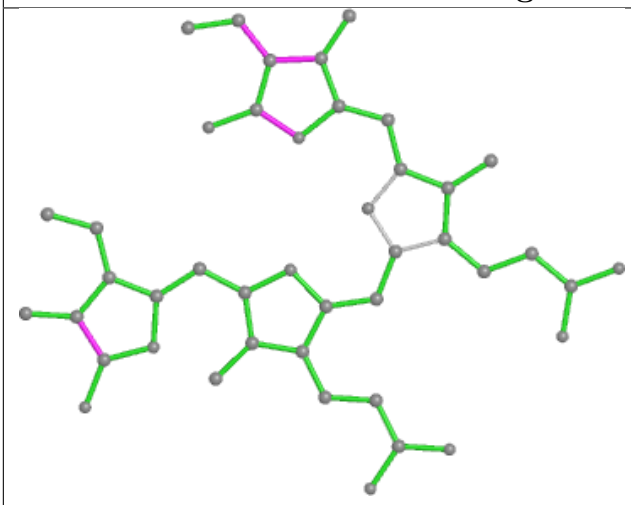


Rings

Ligand PEB P8 202



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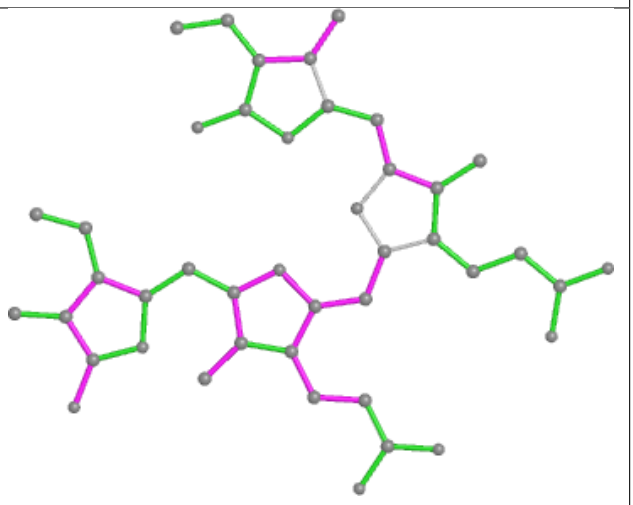

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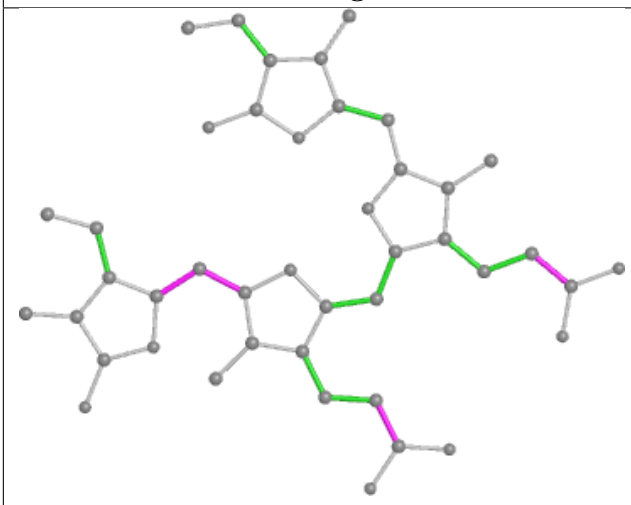

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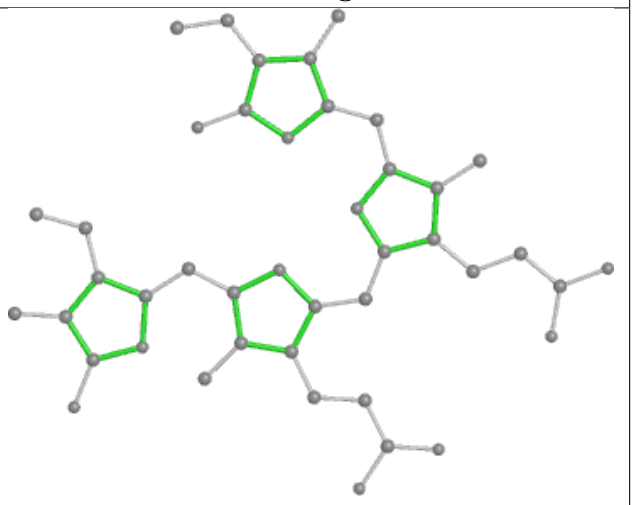
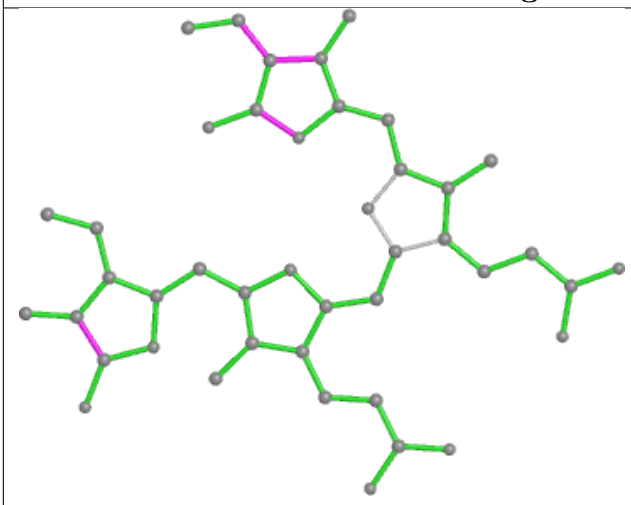


Rings

Ligand PEB ds 201



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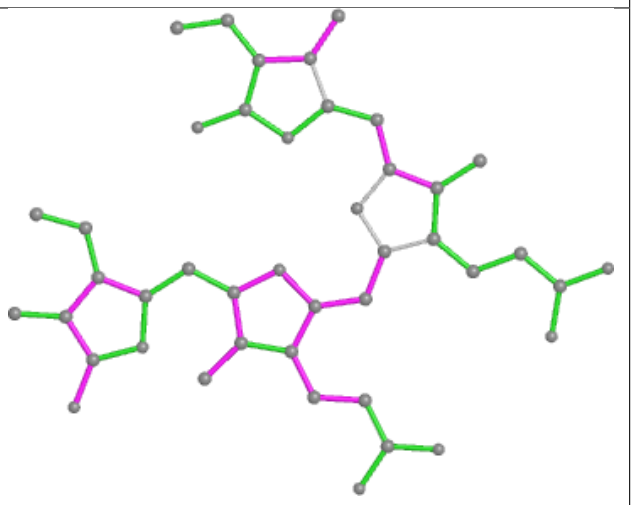

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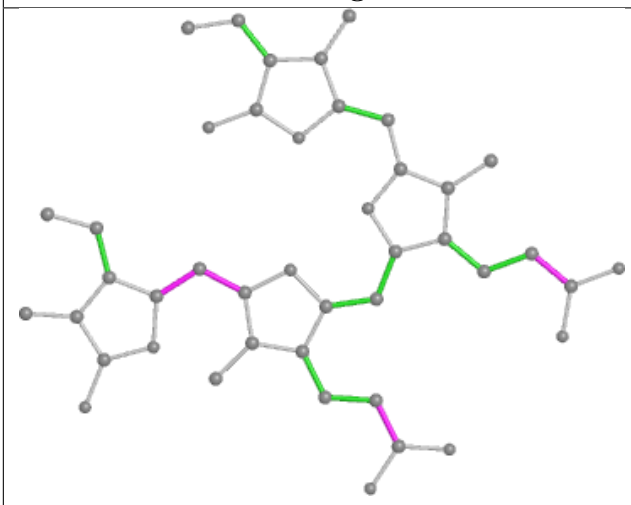

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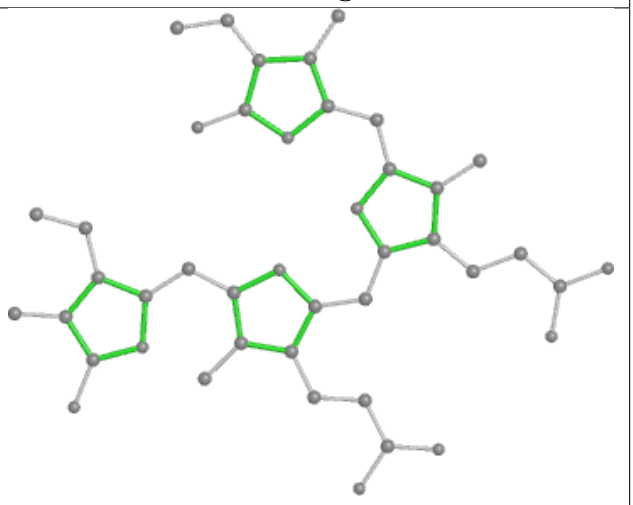
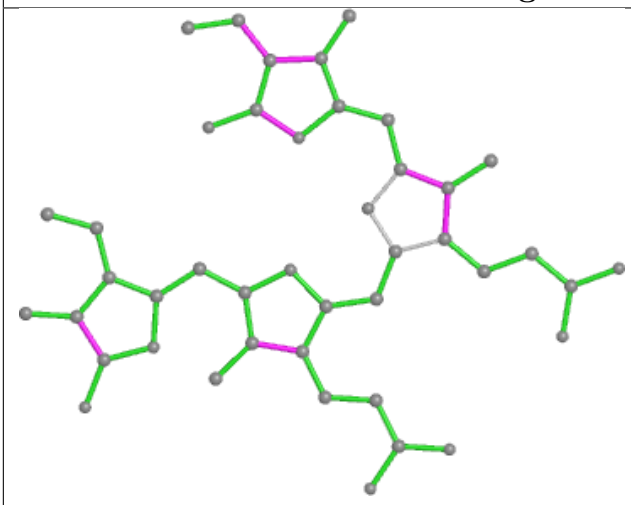


Rings

Ligand PEB n3 202



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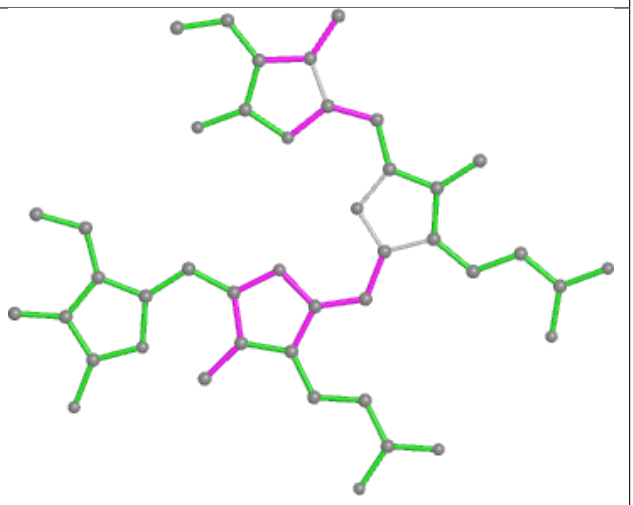

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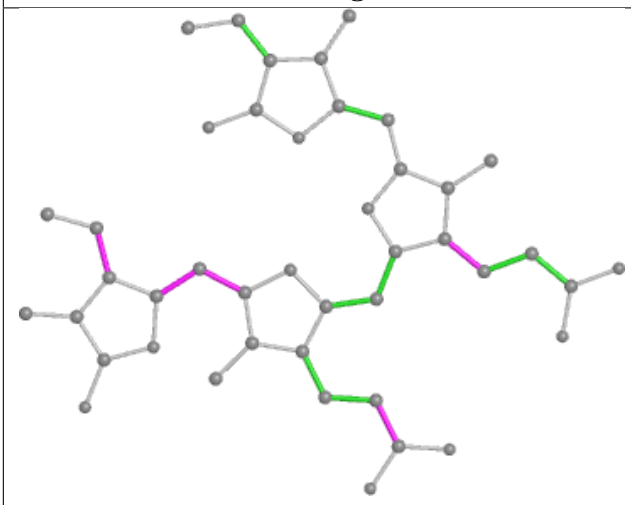

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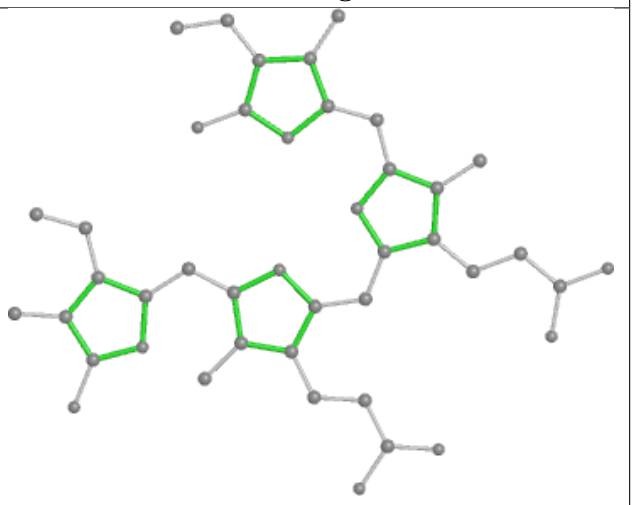

Rings

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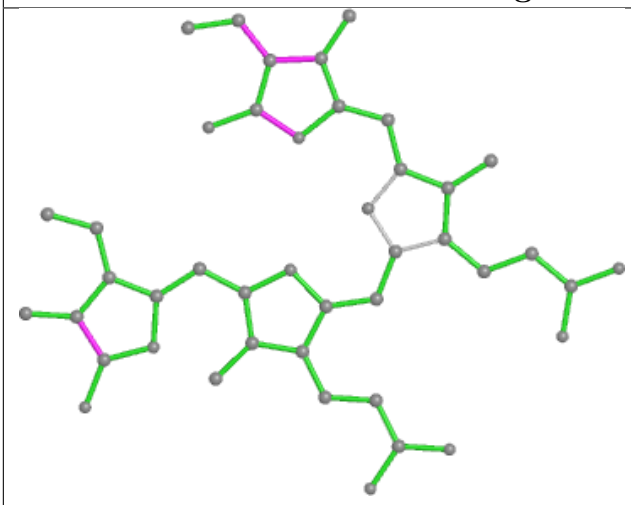

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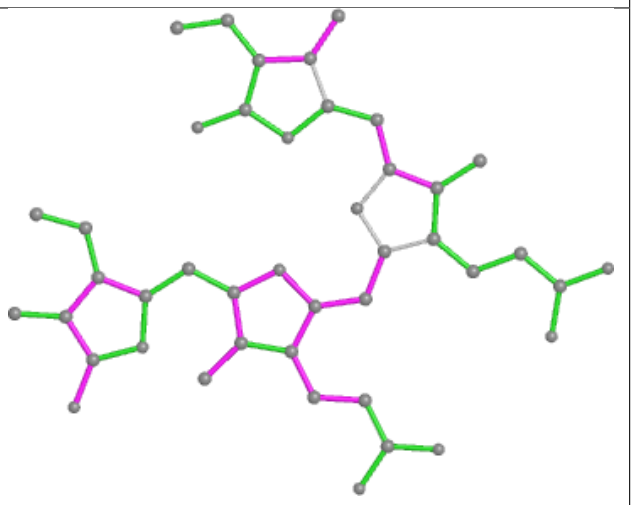

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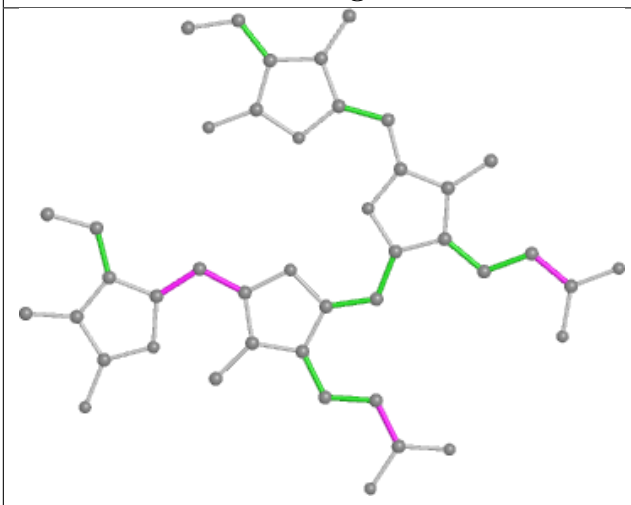

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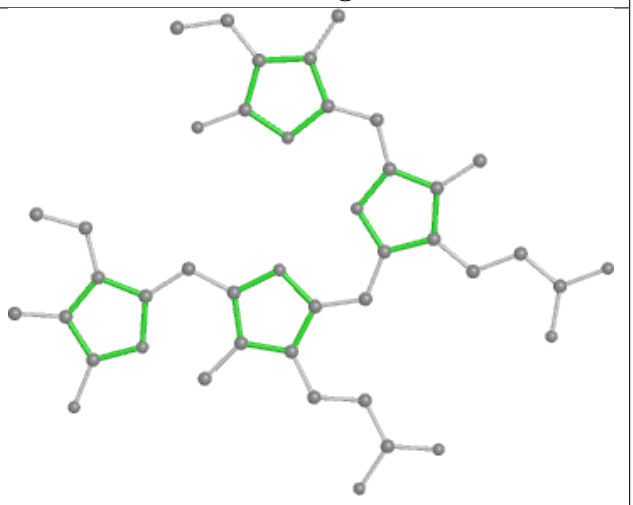
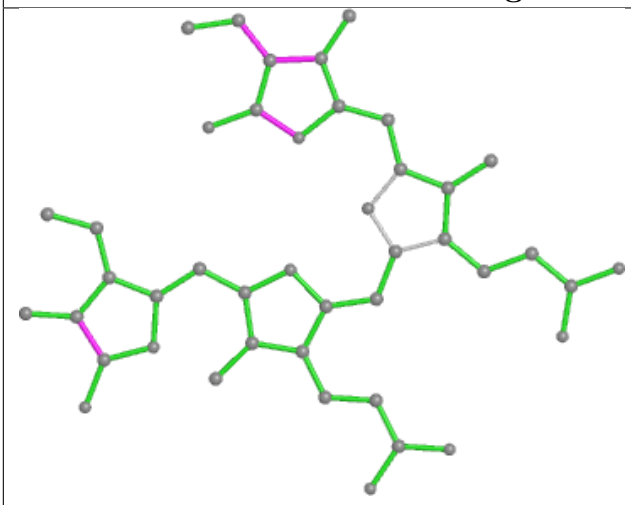


Rings

Ligand PEB am 1001



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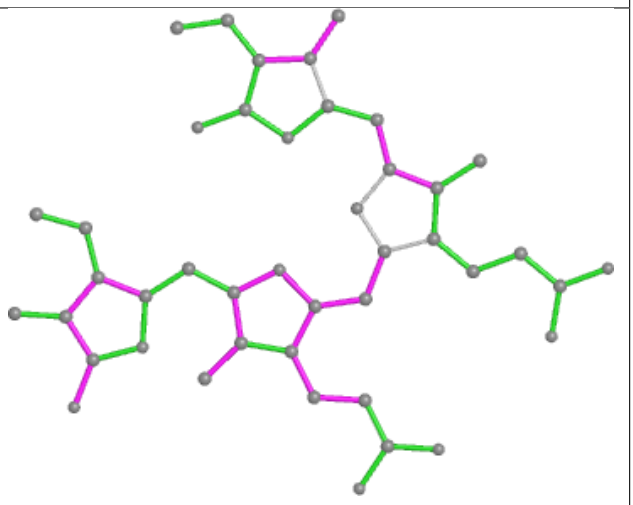

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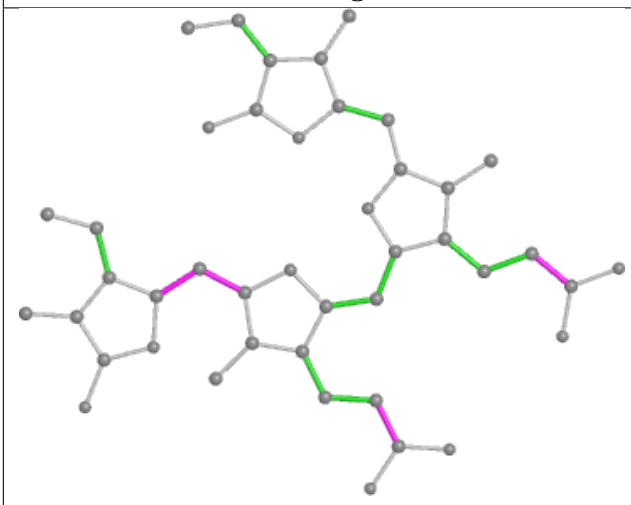

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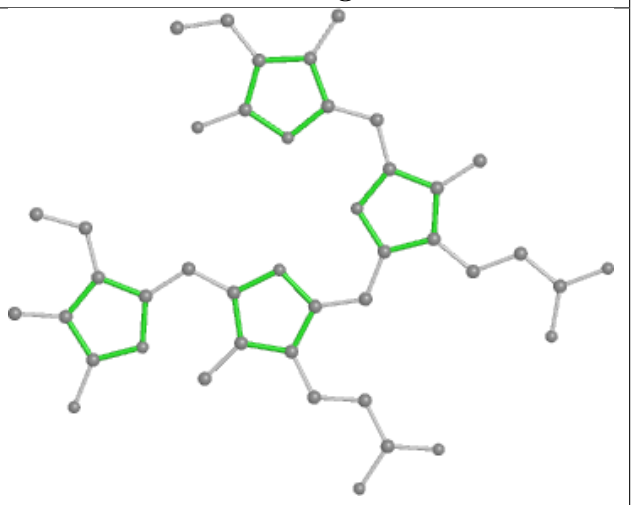

Rings

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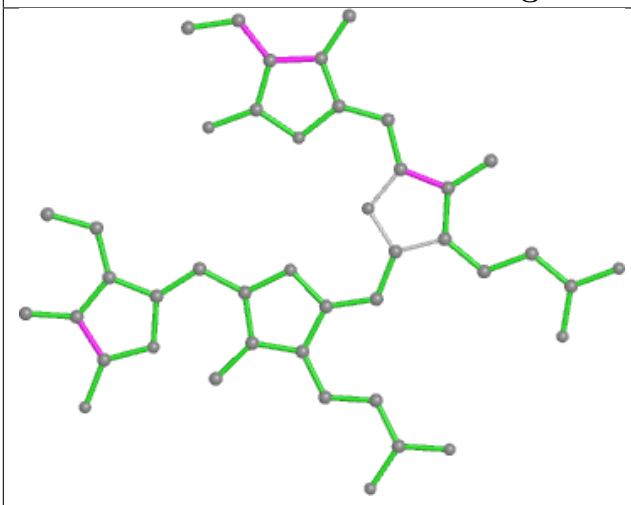

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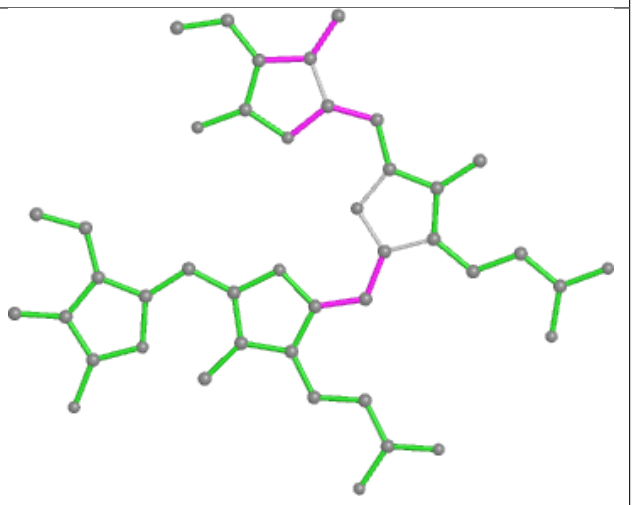

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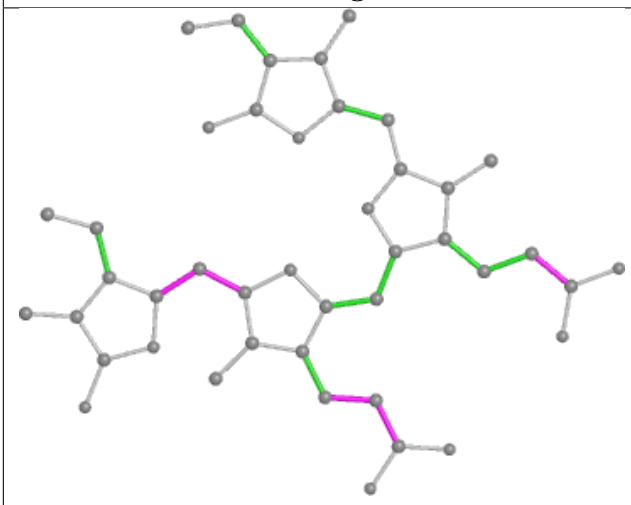

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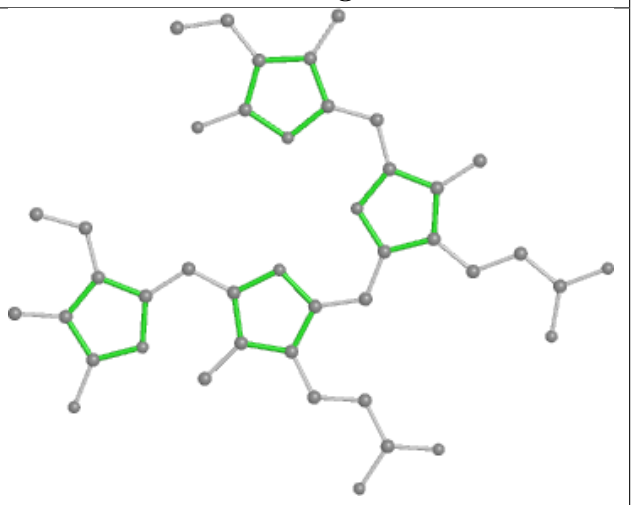
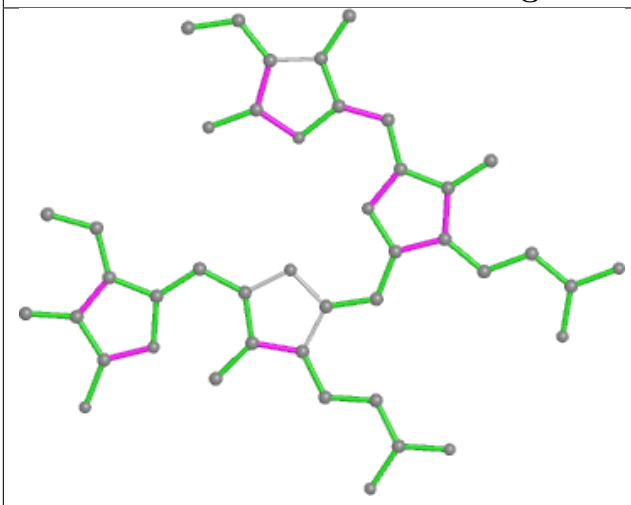


Rings

Ligand PUB j2 203



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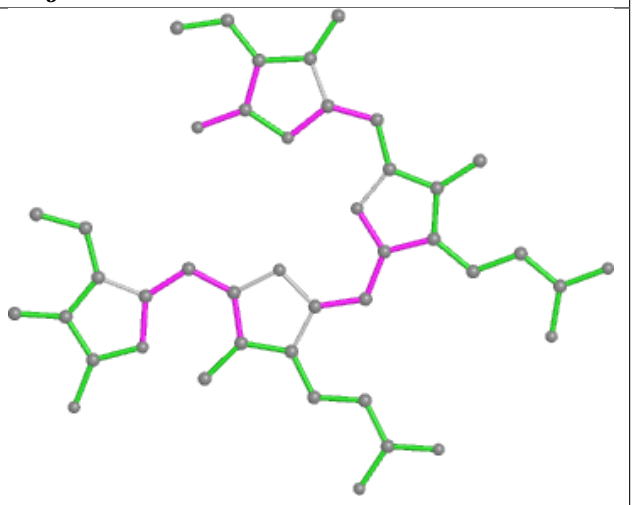

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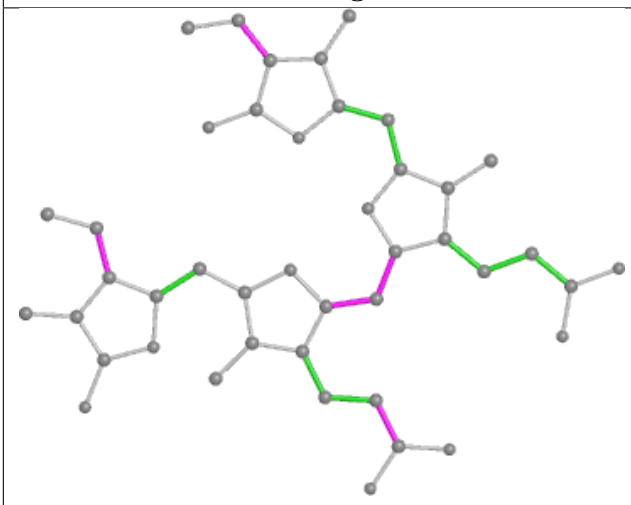

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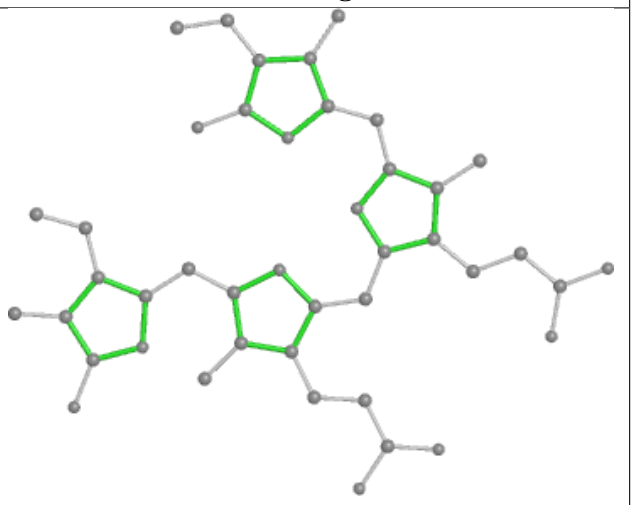

Rings

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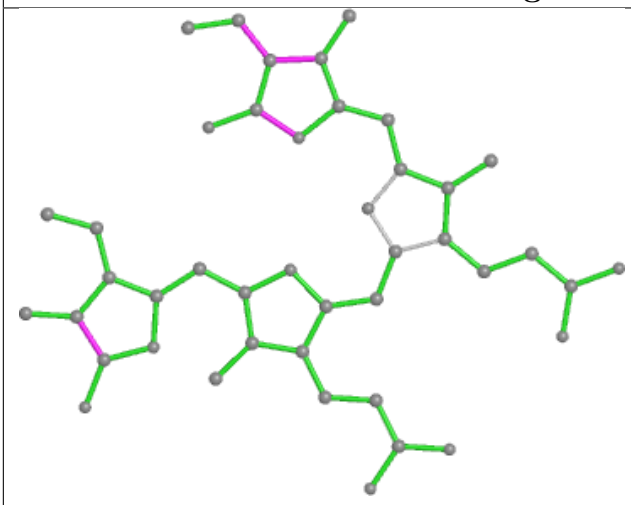

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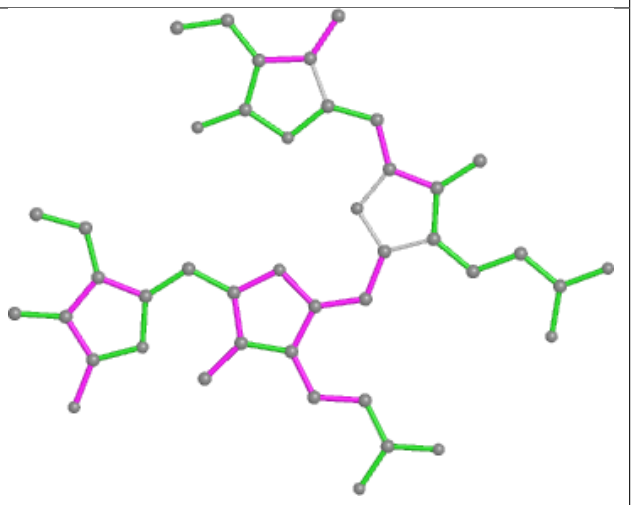

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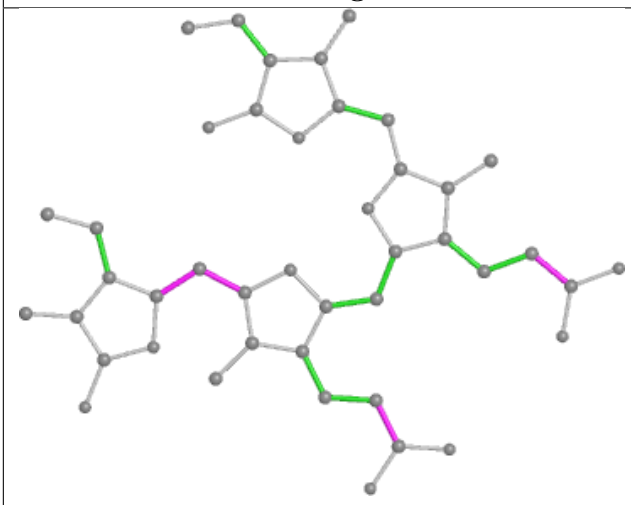

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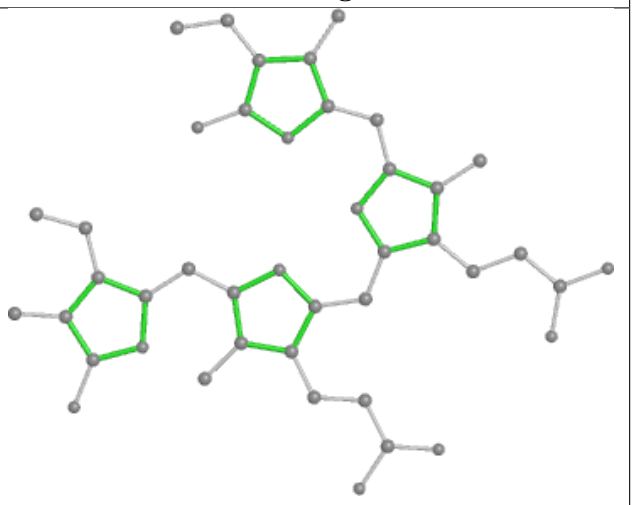
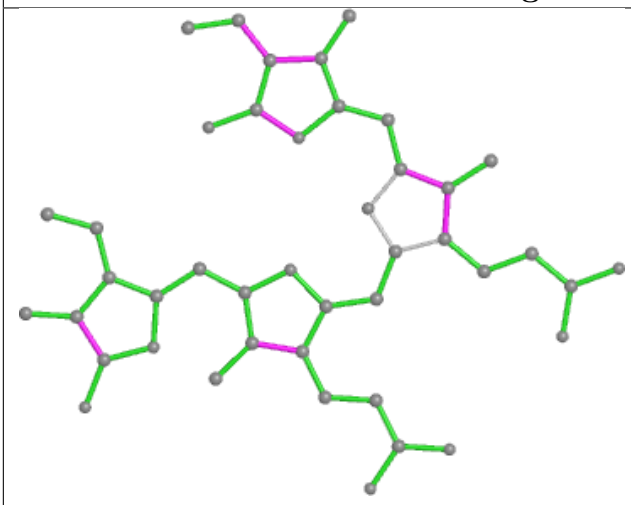


Rings

Ligand PEB gt 202



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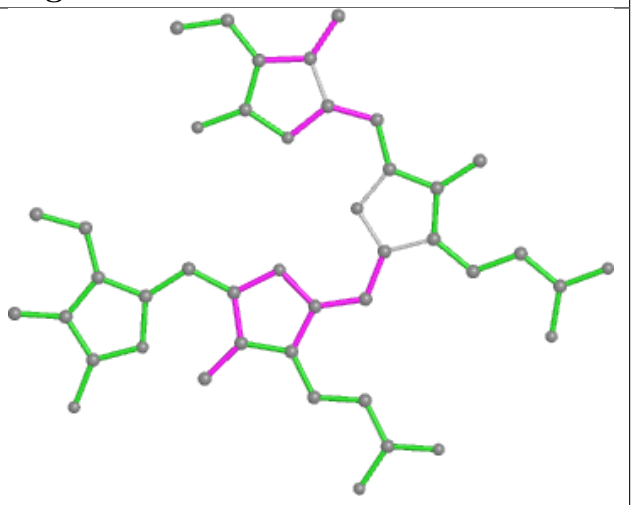

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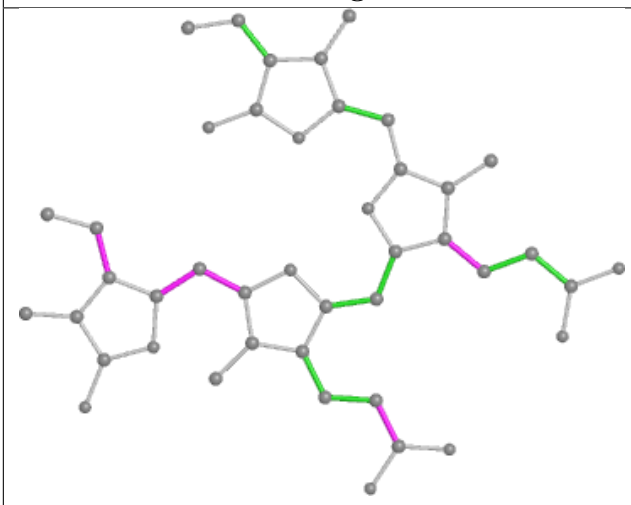

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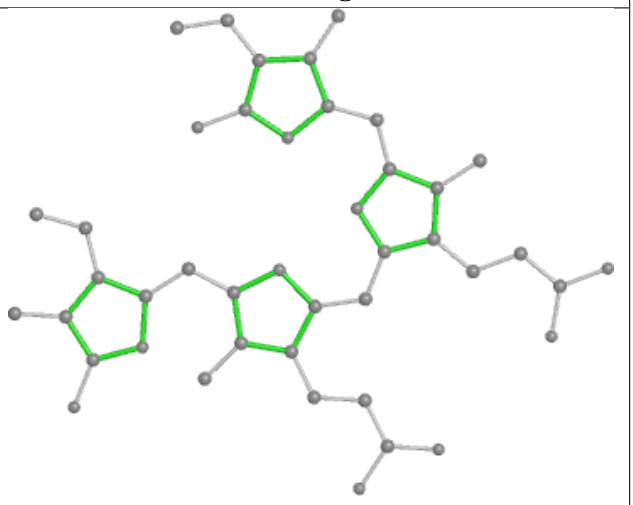
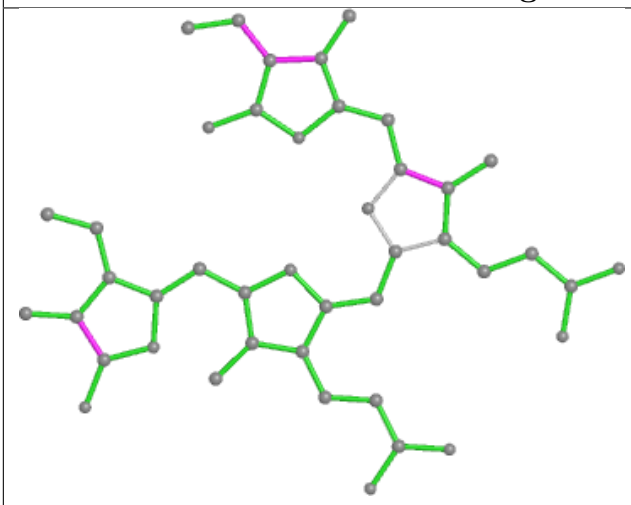


Rings

Ligand PEB o8 201



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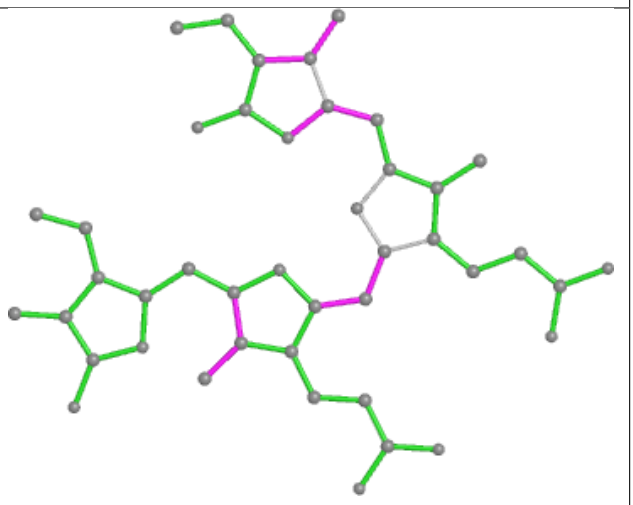

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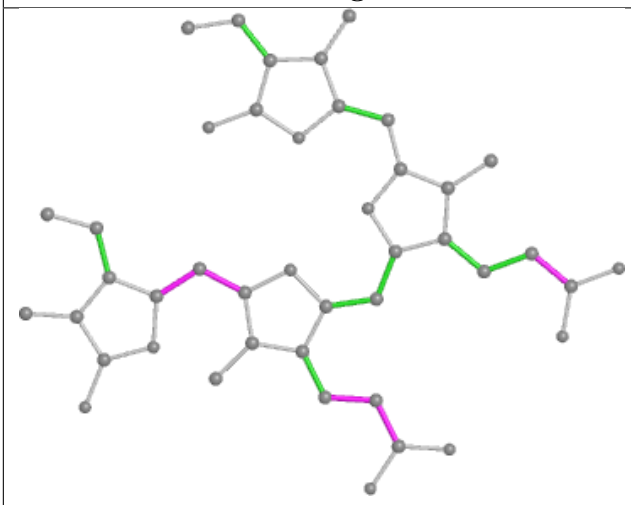
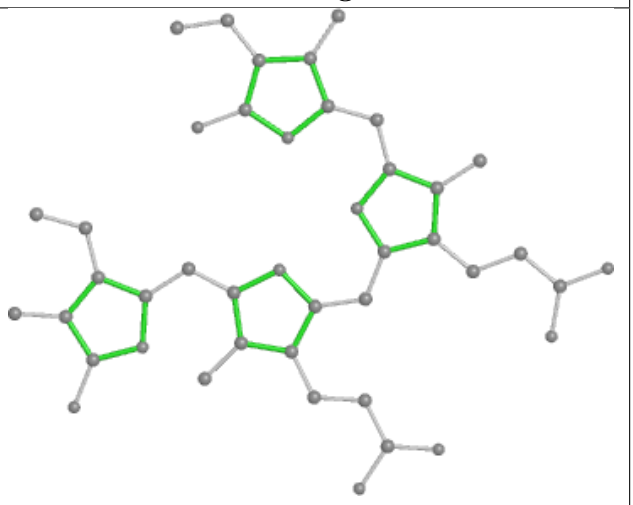
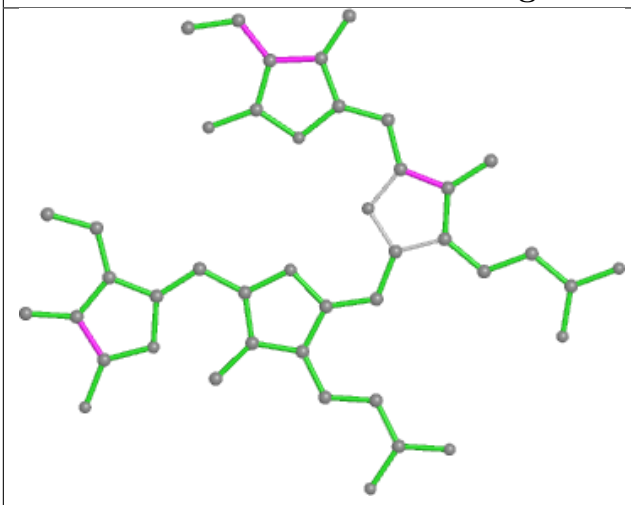


Torsions



Rings

Ligand PEB S7 202



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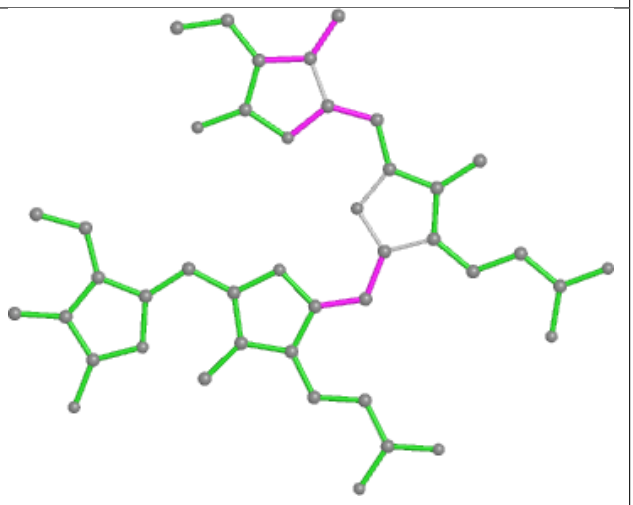

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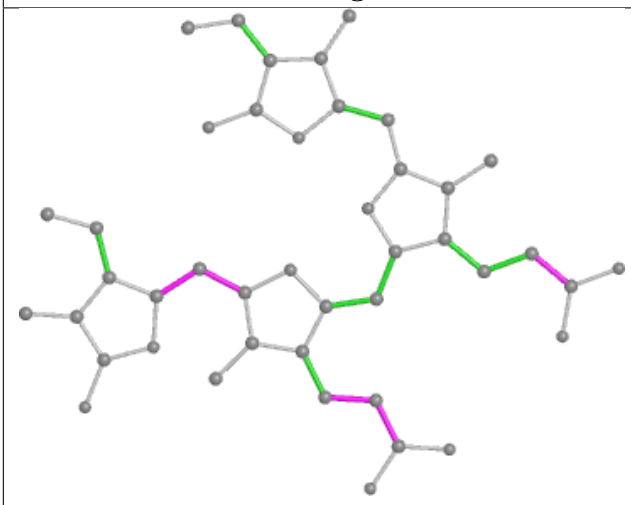

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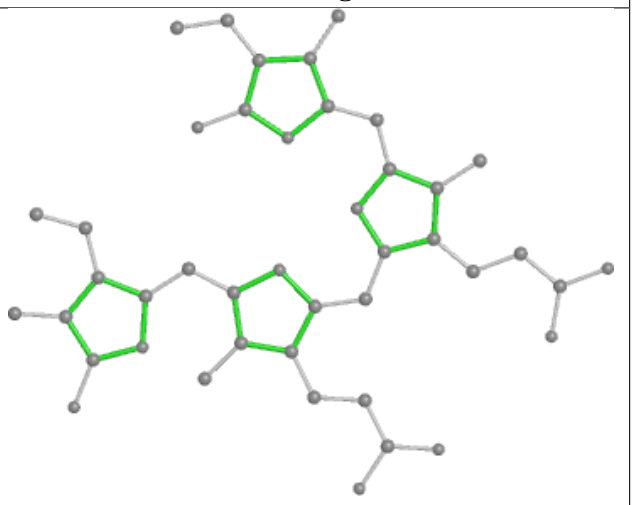
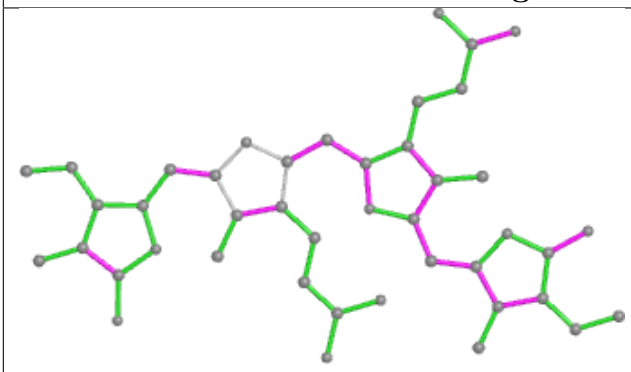


Rings

Ligand CYC i1 1001



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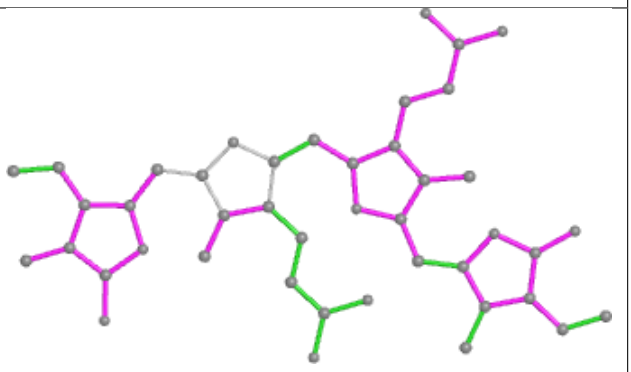

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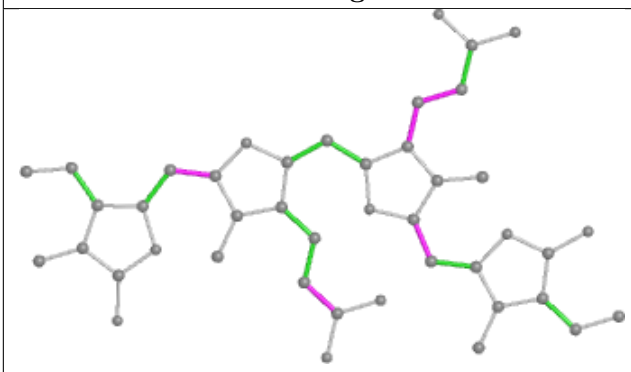

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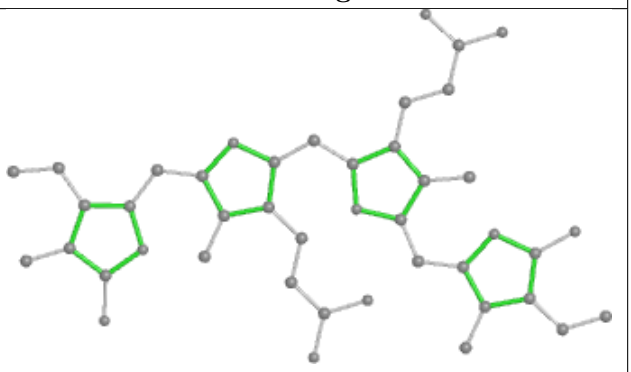
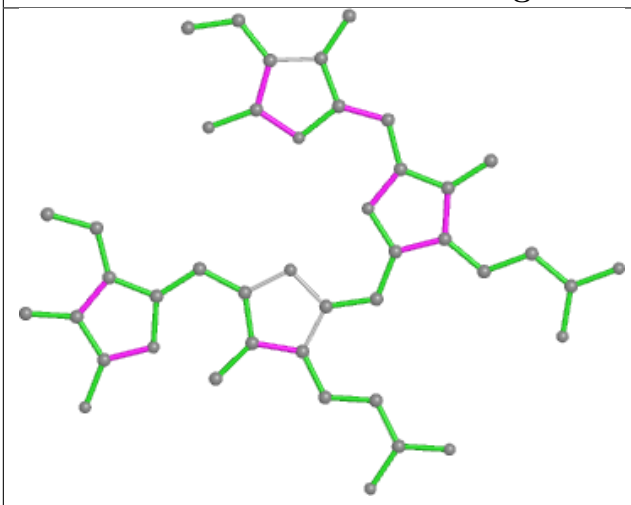


Rings

Ligand PUB dP 203



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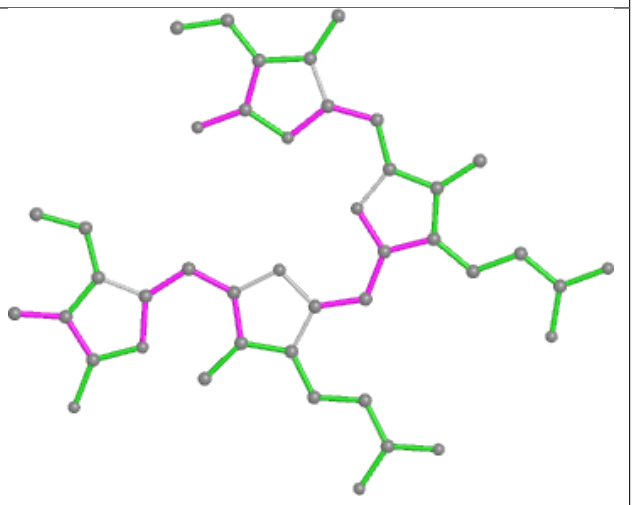

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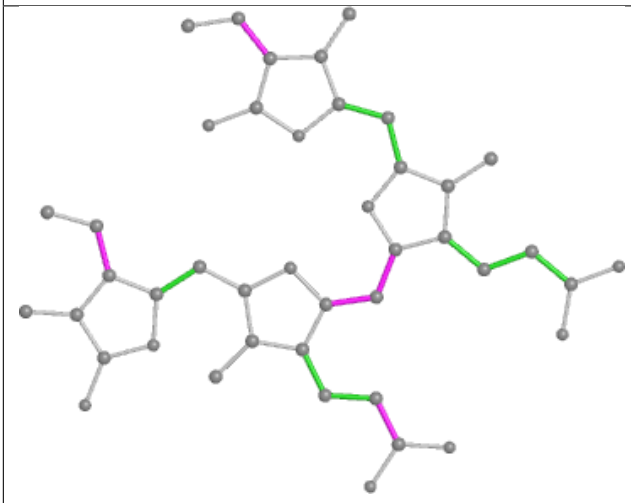

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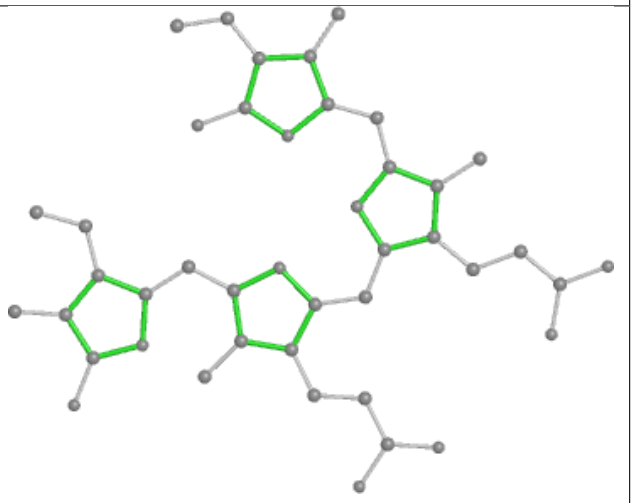
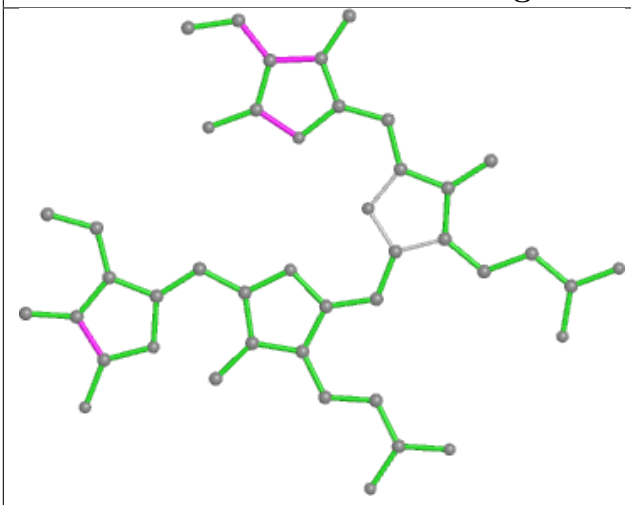


Rings

Ligand PEB hN 201



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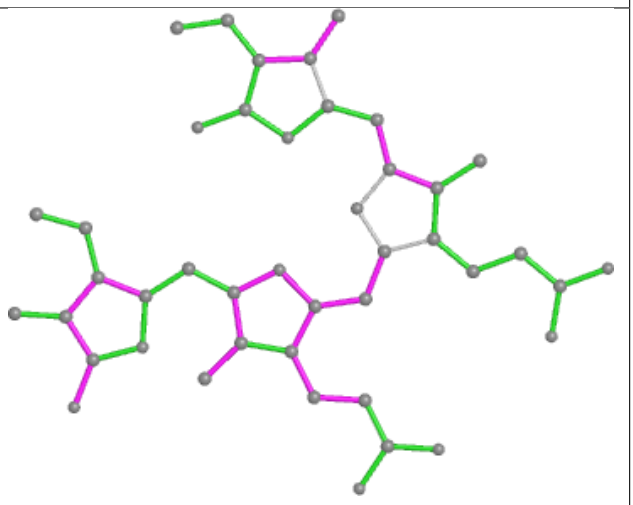

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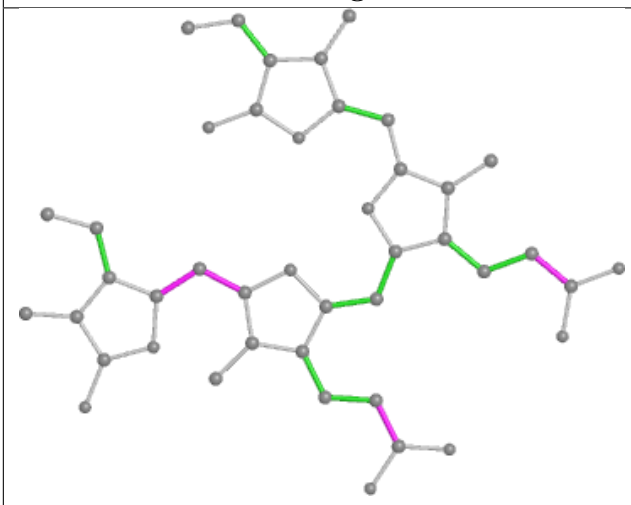

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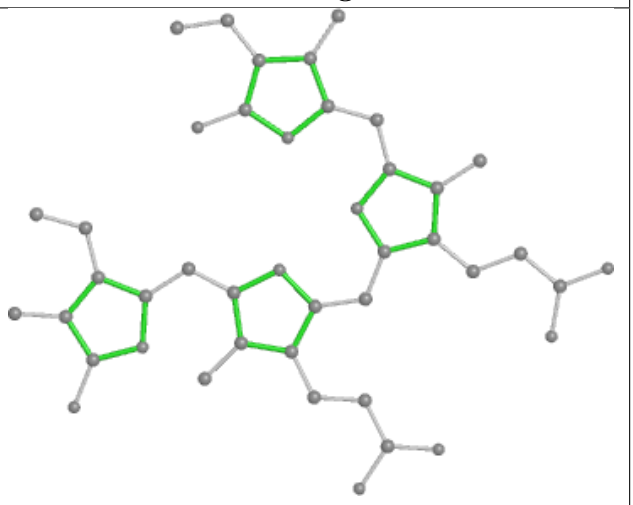
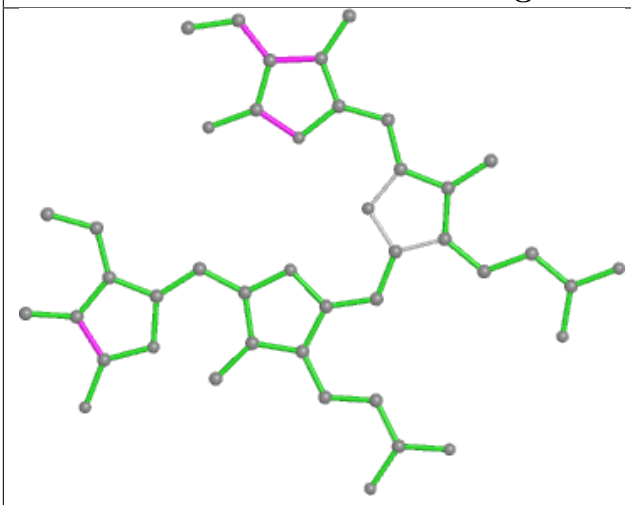


Rings

Ligand PEB dw 403



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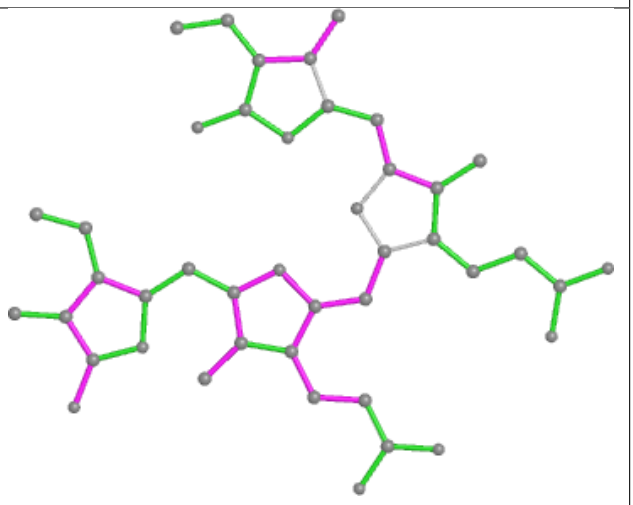

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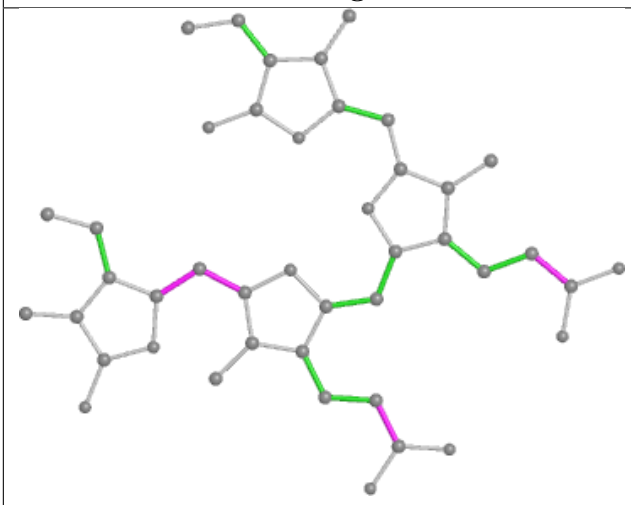

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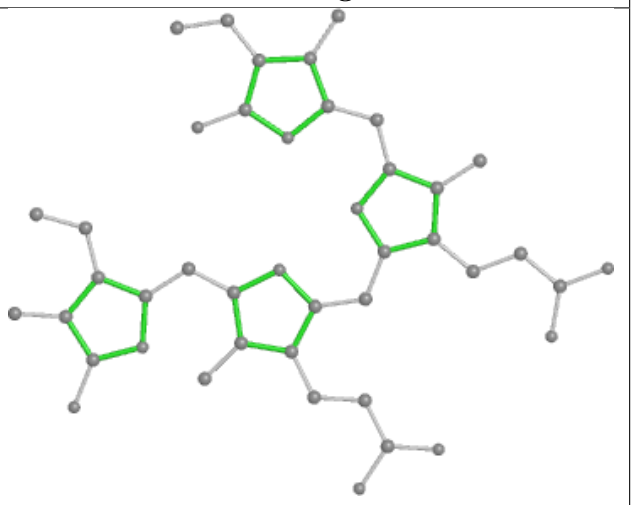
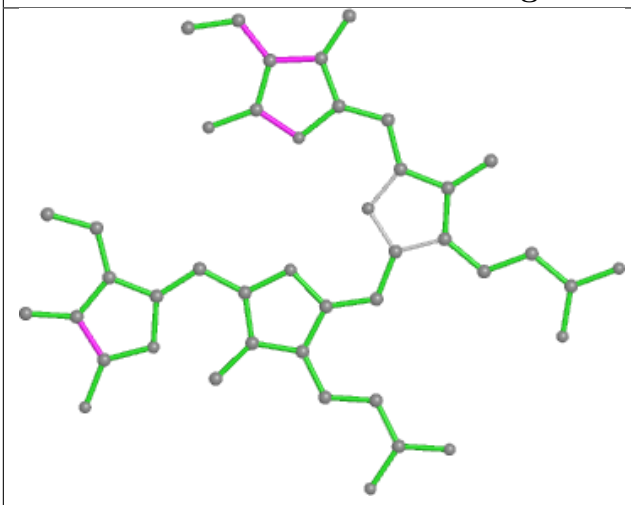


Rings

Ligand PEB c9 302



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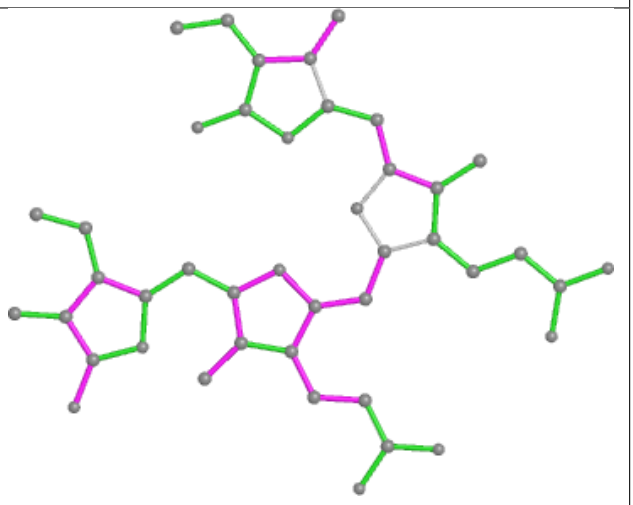

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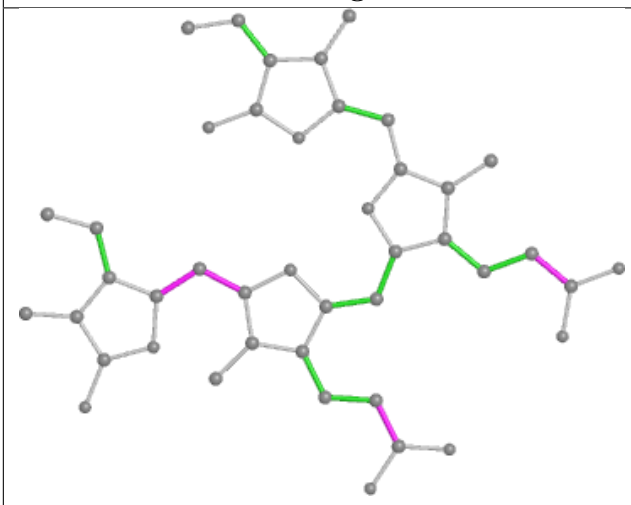

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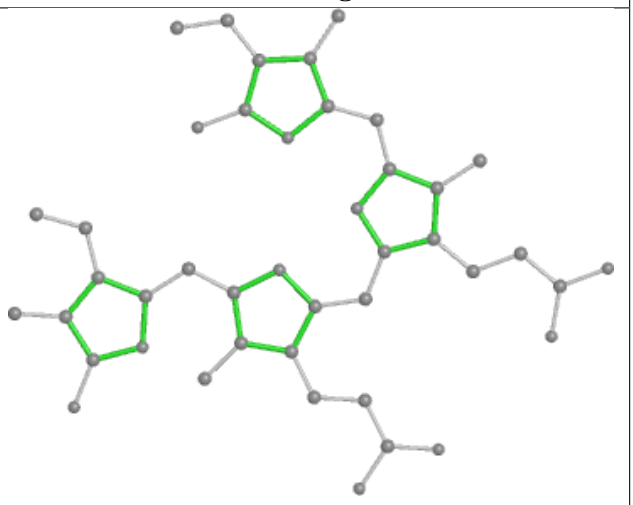
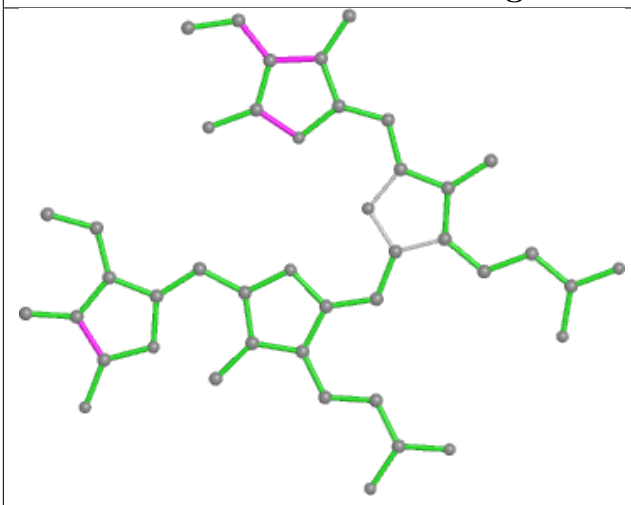


Rings

Ligand PEB cm 1001



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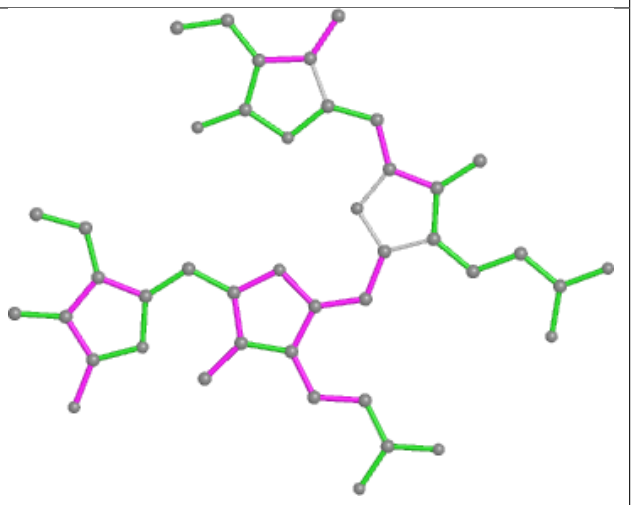

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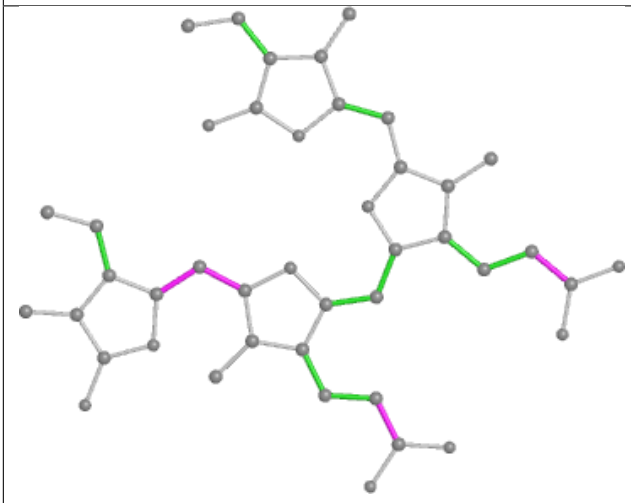

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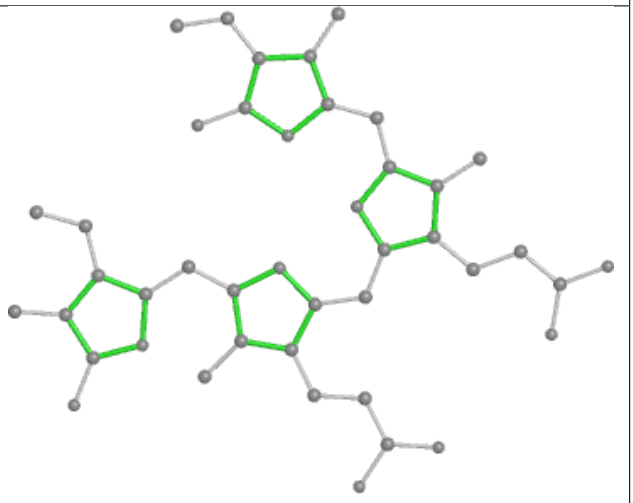

Rings

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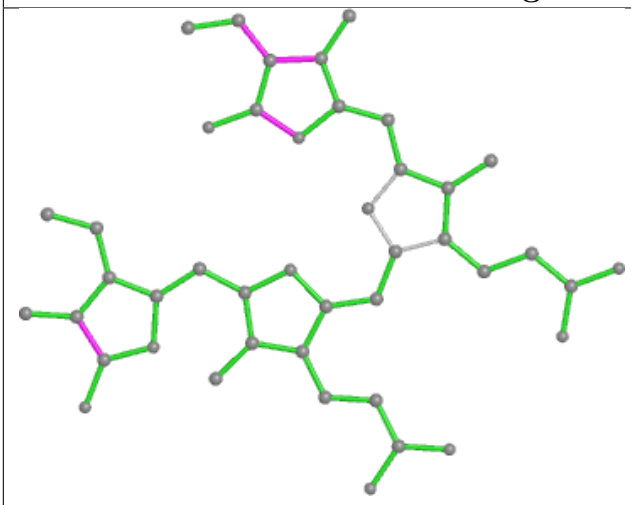

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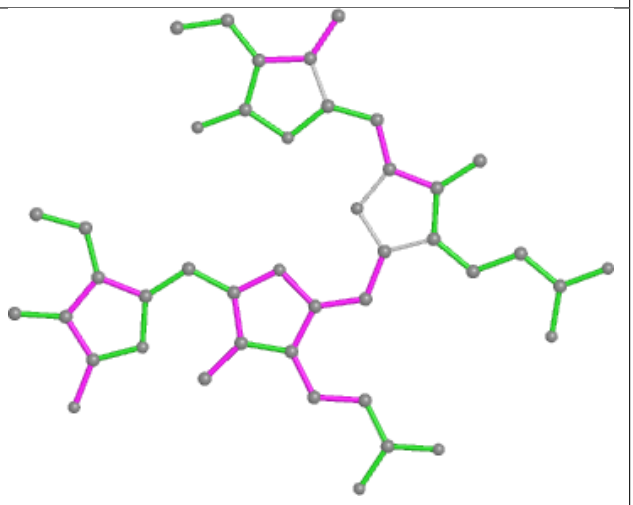

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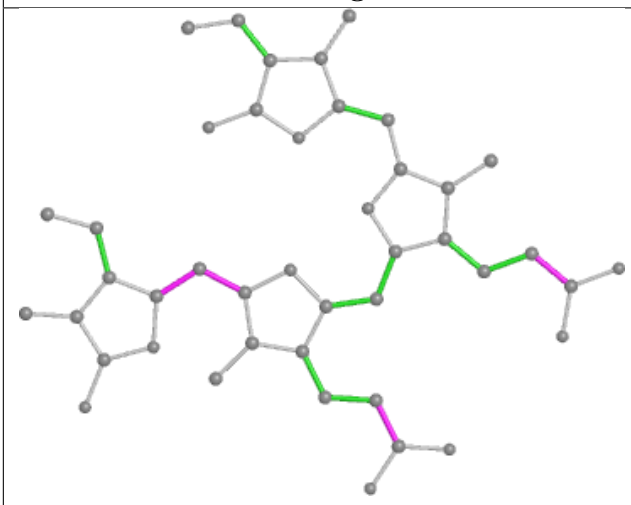

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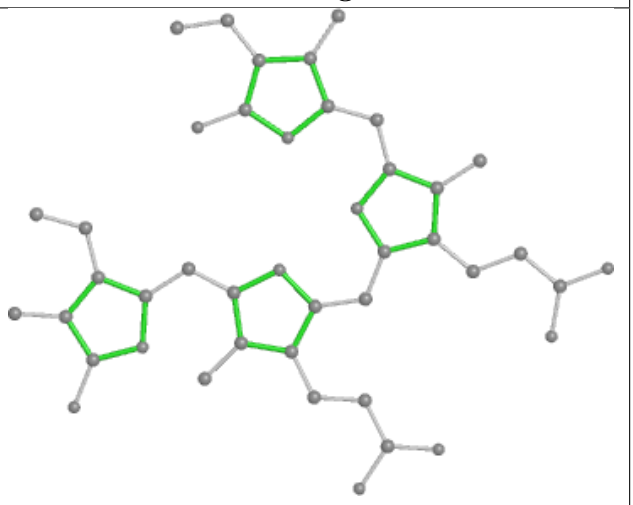

Rings

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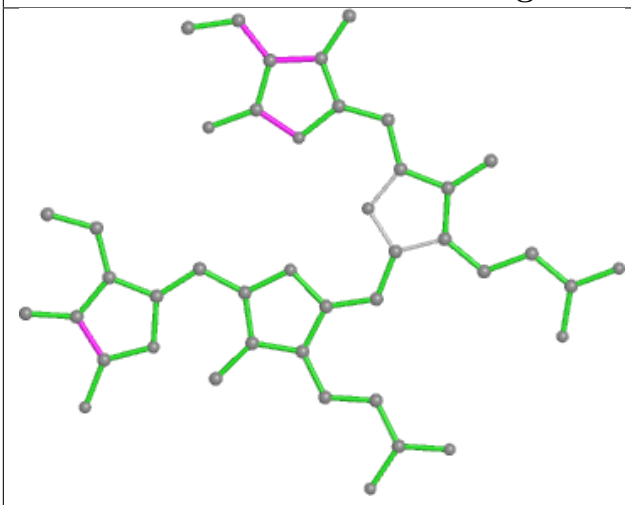

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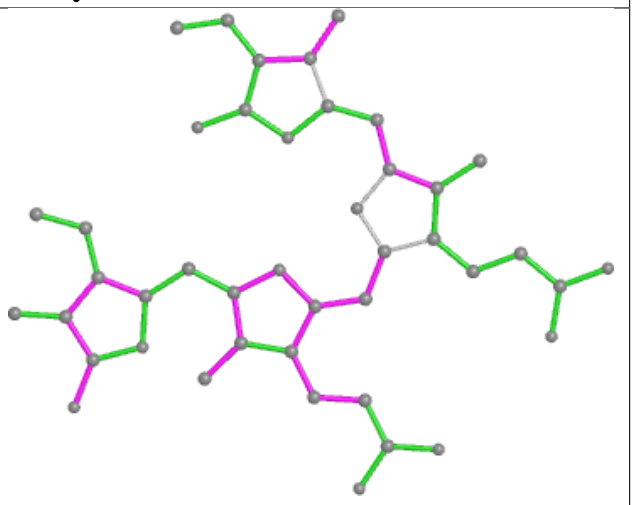

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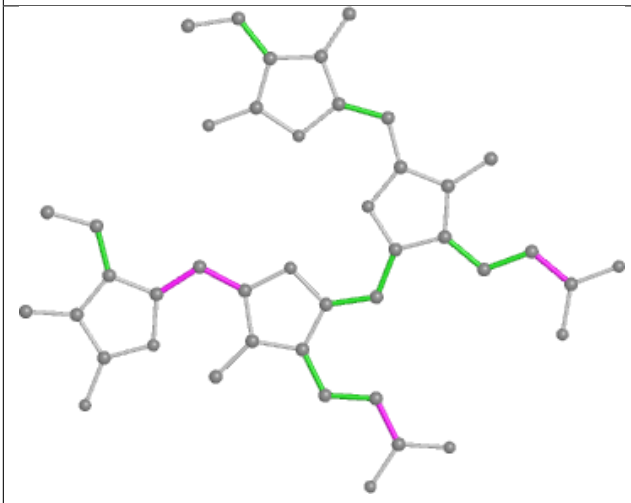

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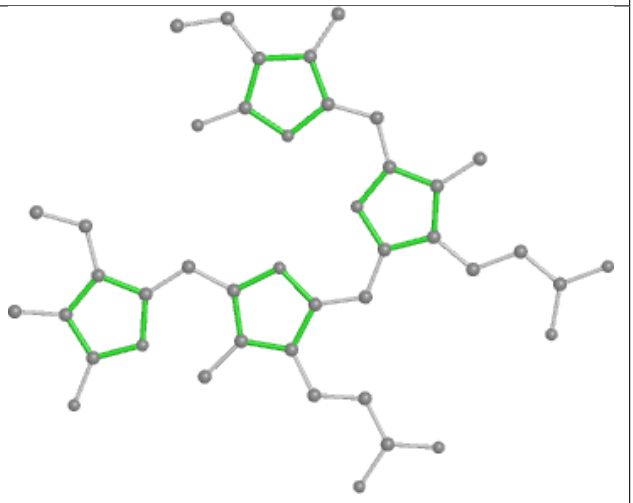
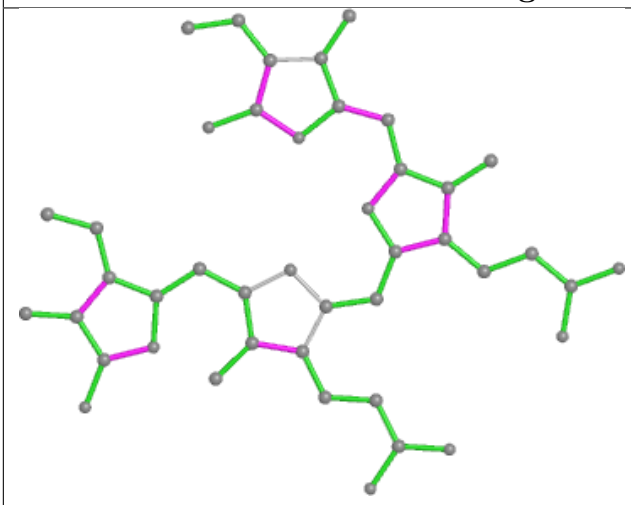


Rings

Ligand PUB dr 203



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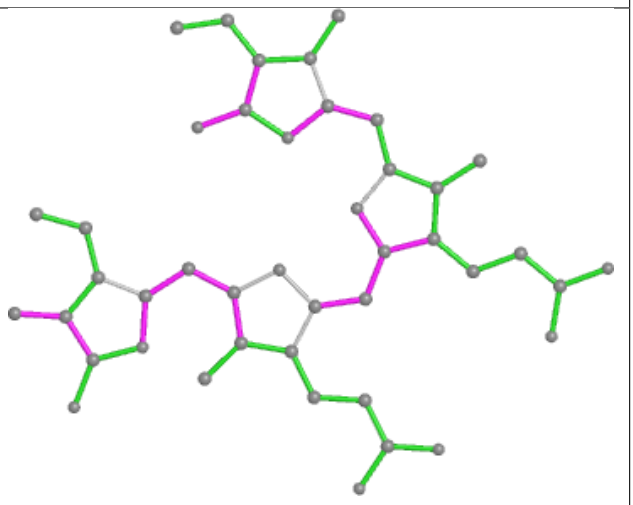

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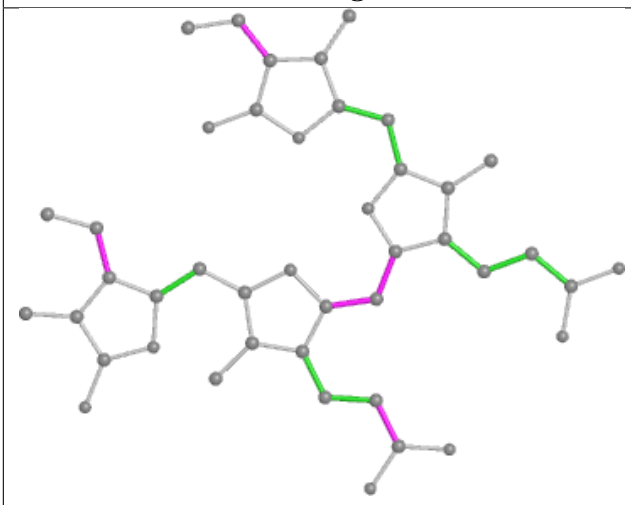

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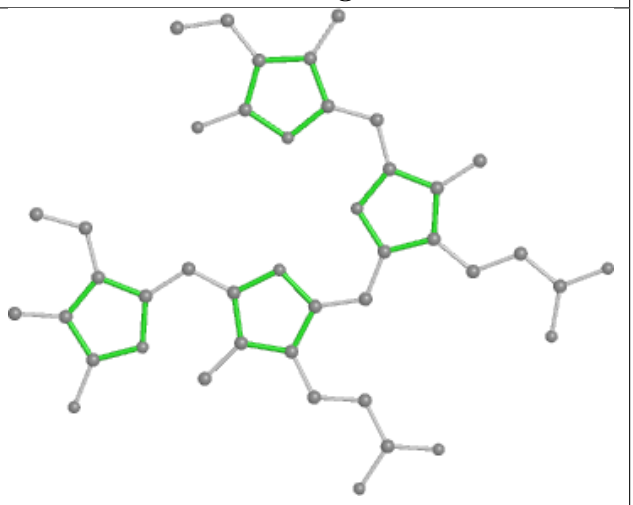
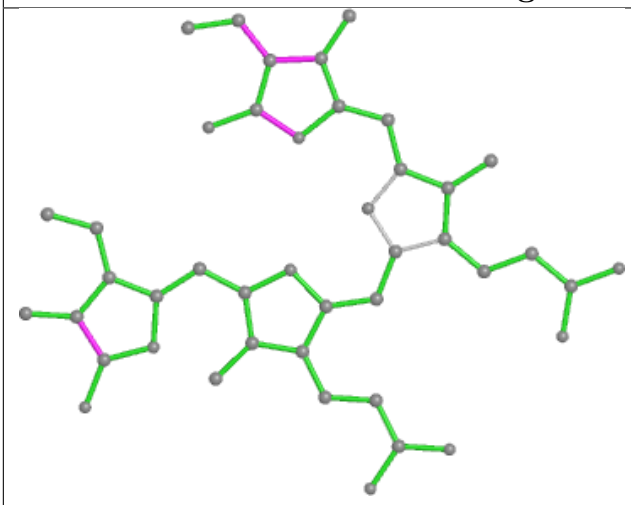


Rings

Ligand PEB bh 202



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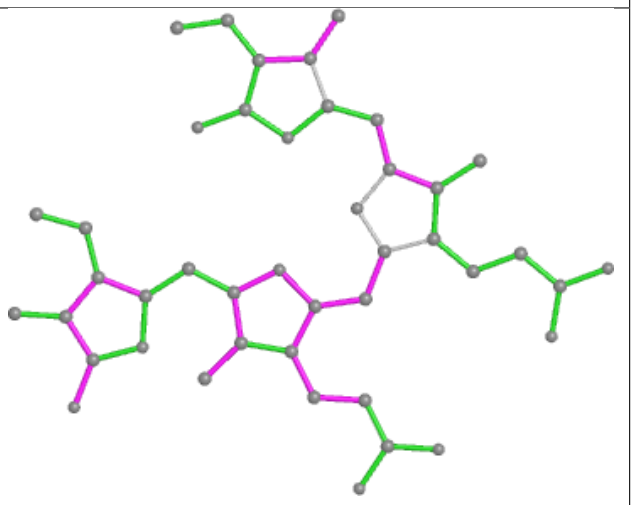

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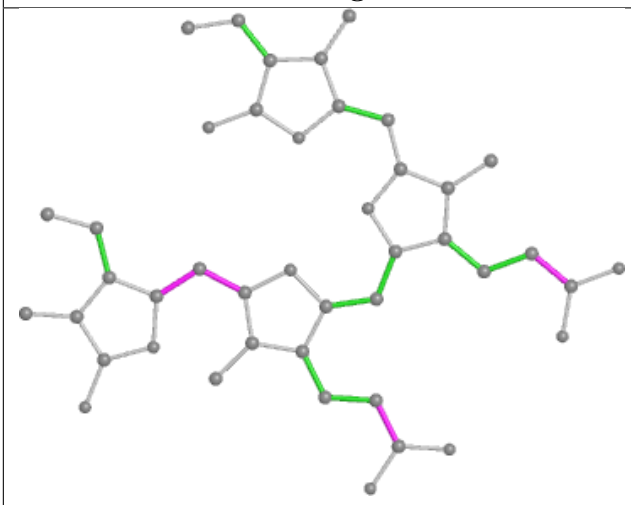

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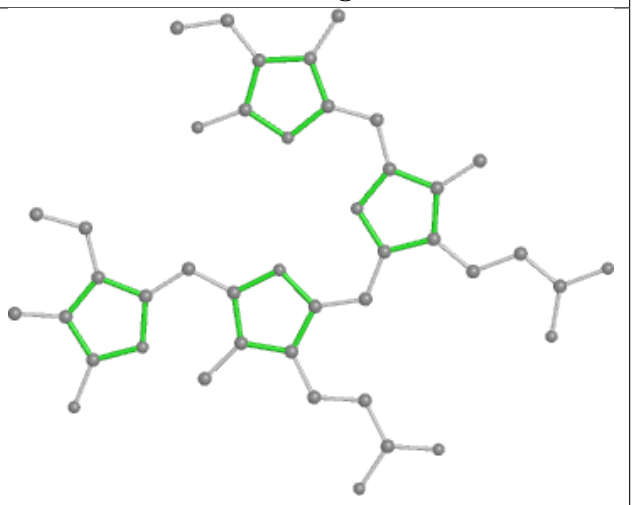

Rings

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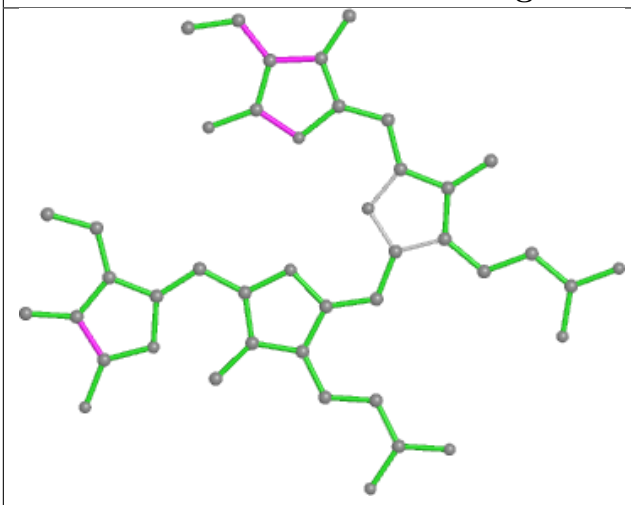

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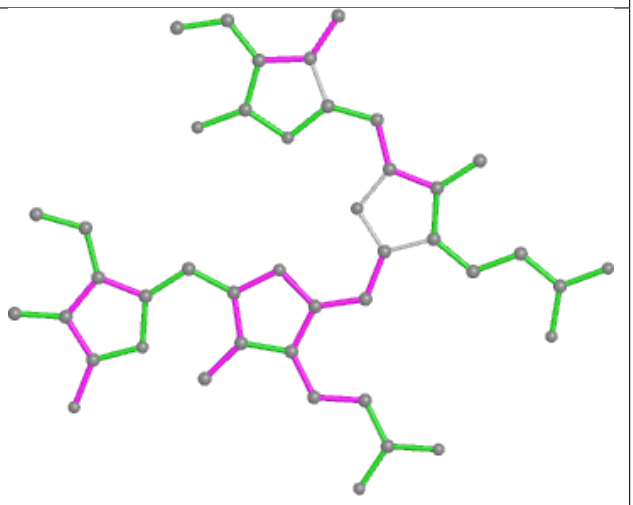

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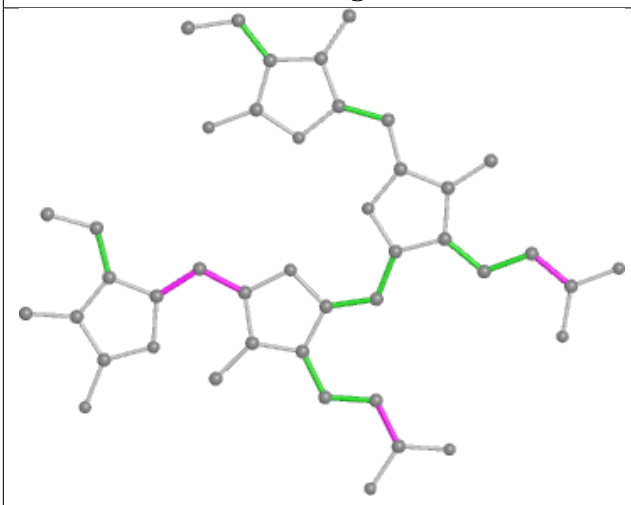

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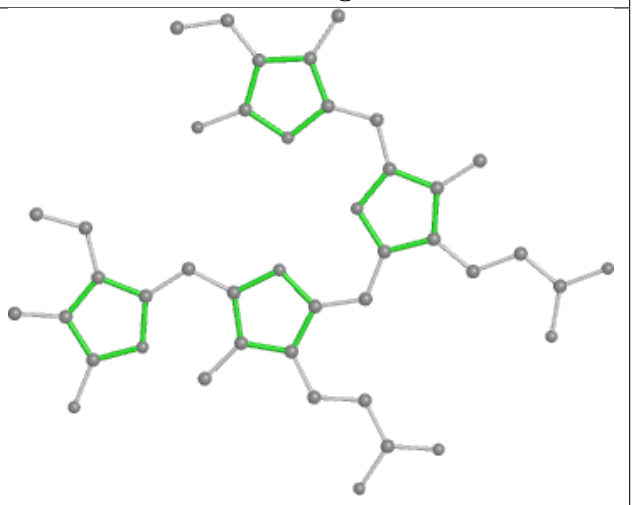
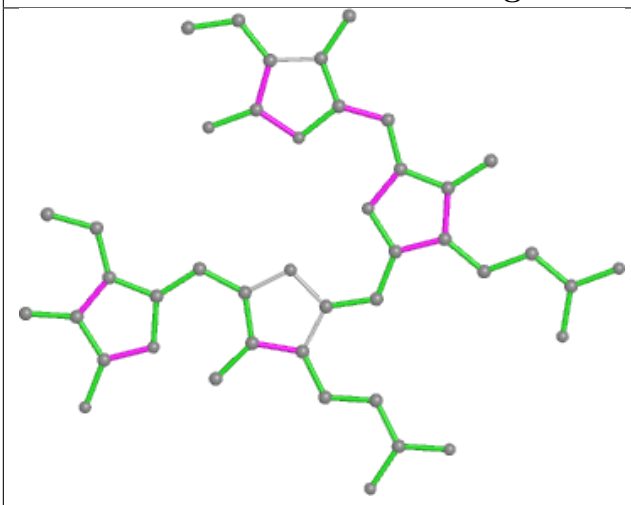


Rings

Ligand PUB kQ 1003



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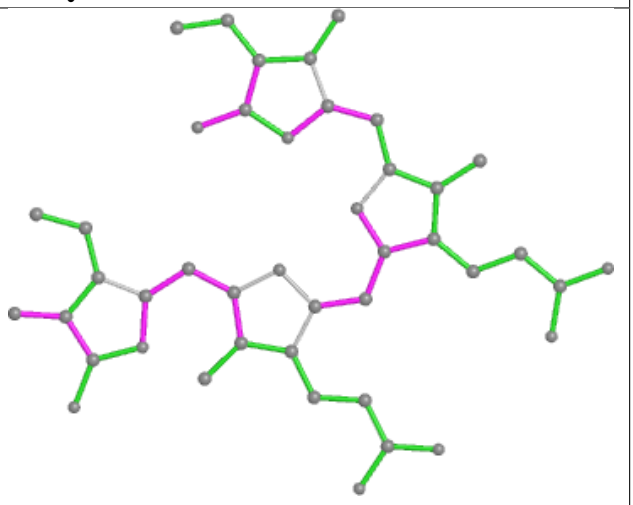
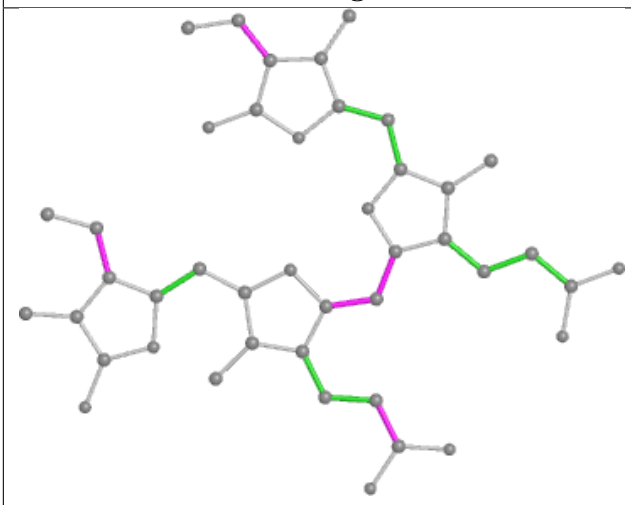


Bond angles



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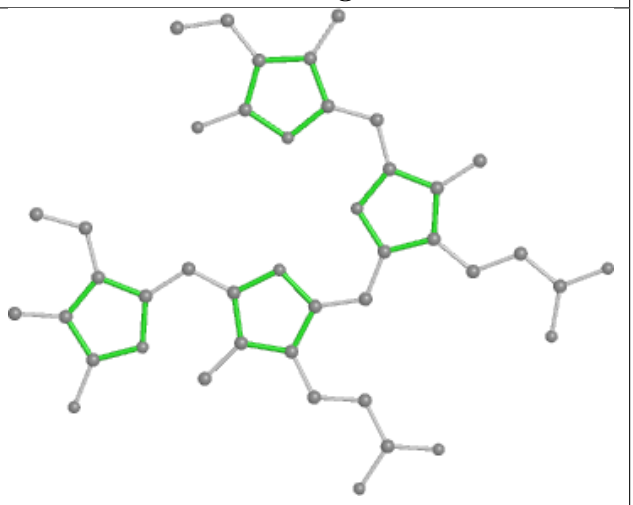
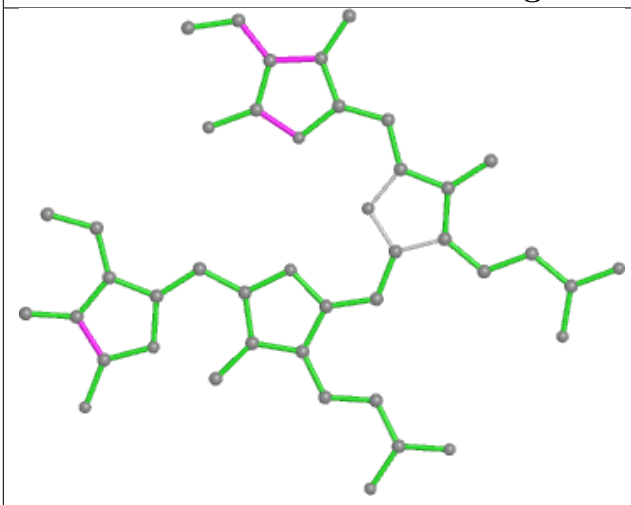


Rings

Ligand PEB l5 202



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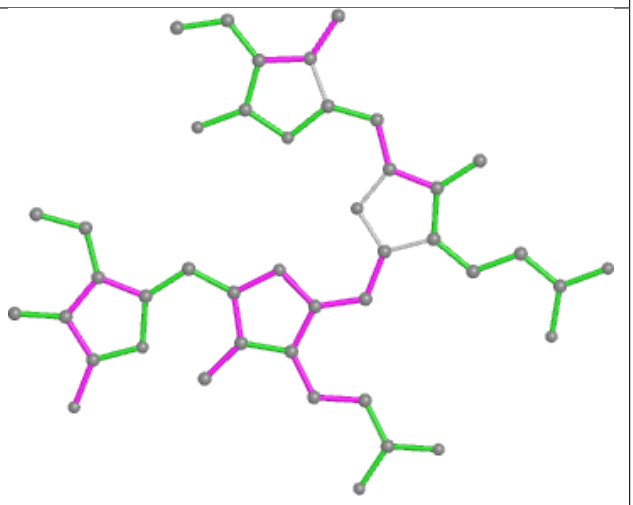

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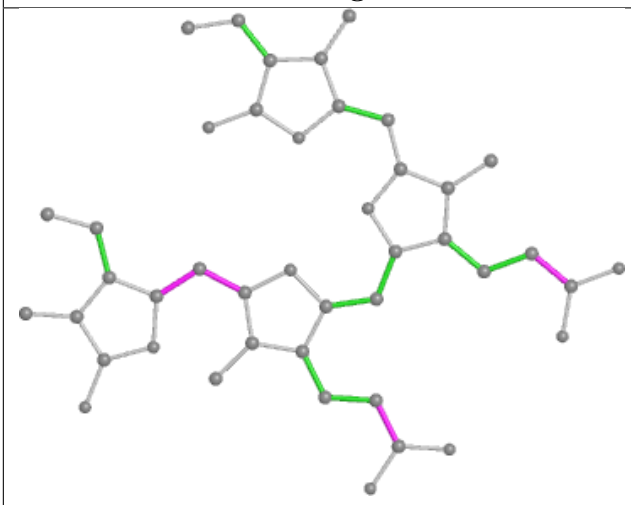
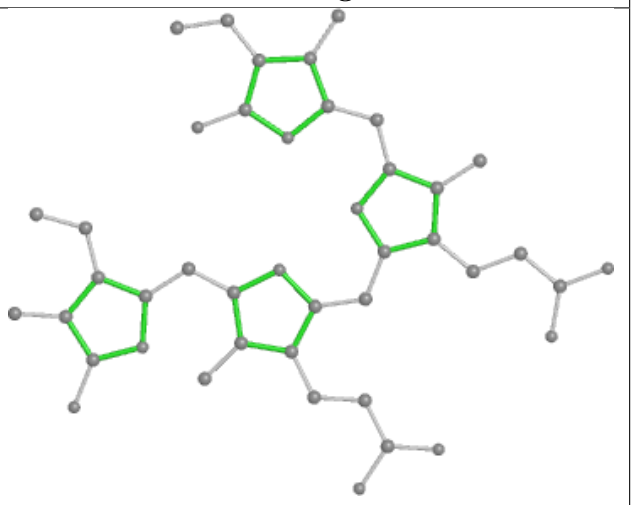
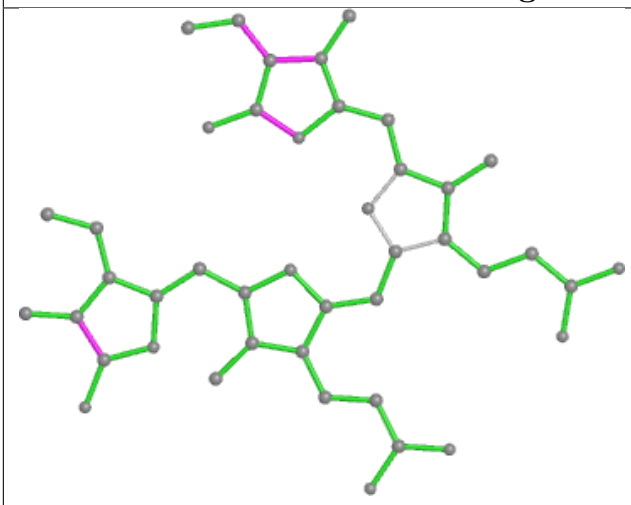


Torsions



Rings

Ligand PEB cZ 201



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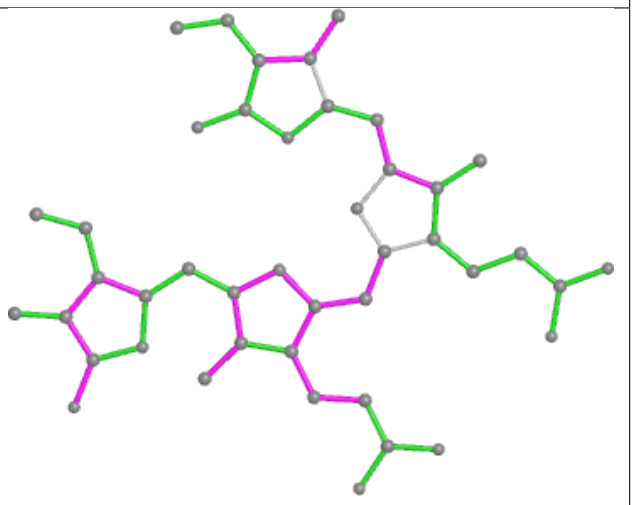

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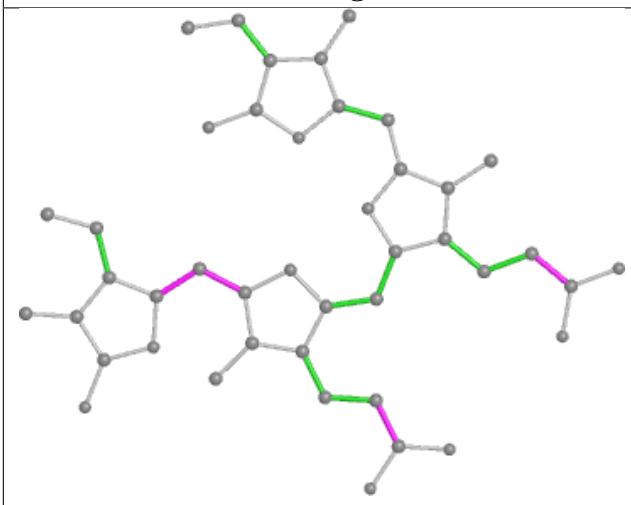

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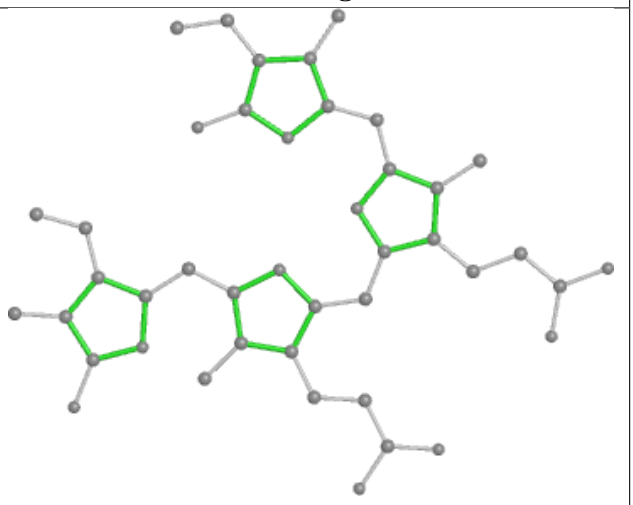
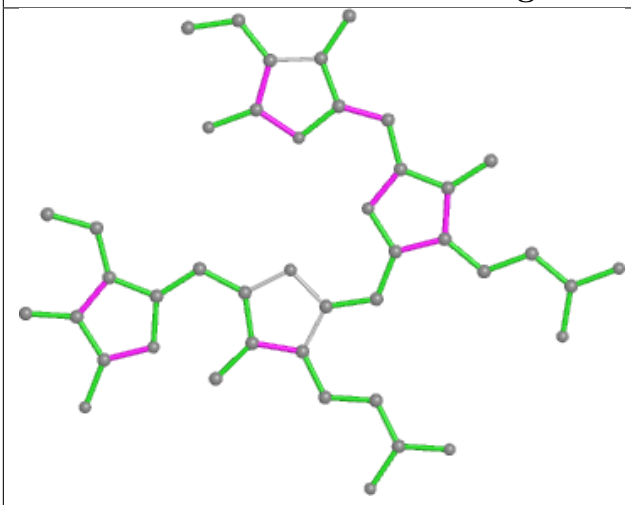


Rings

Ligand PUB J4 203



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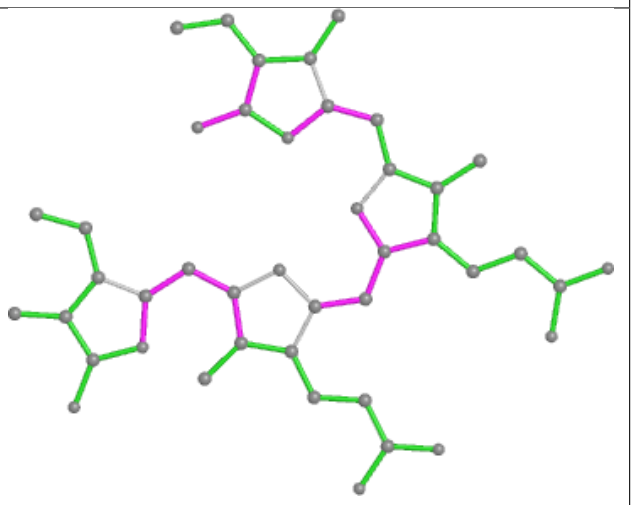

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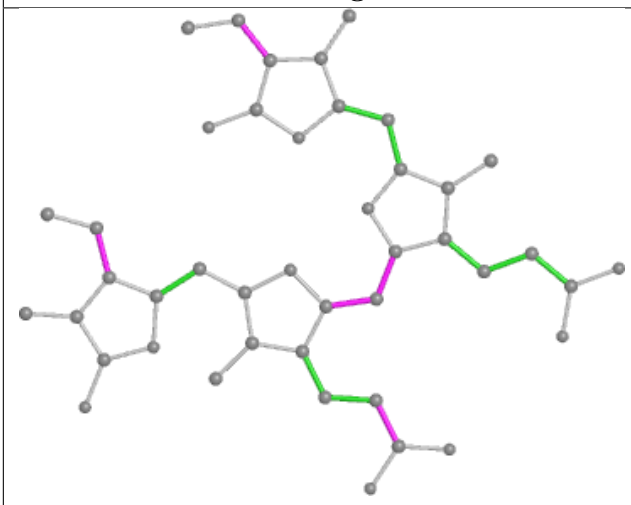

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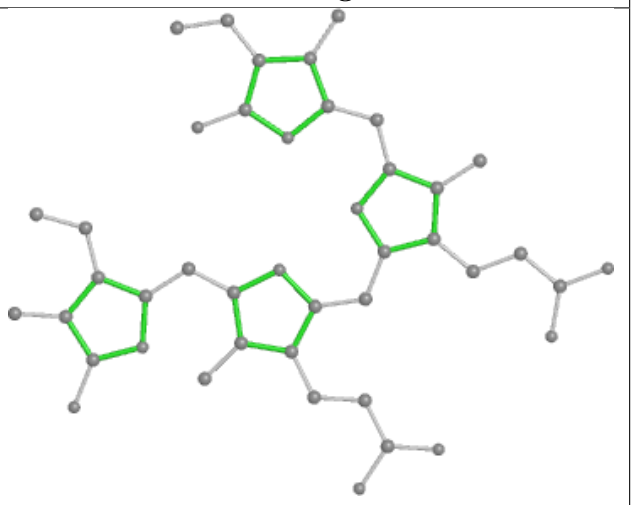

Rings

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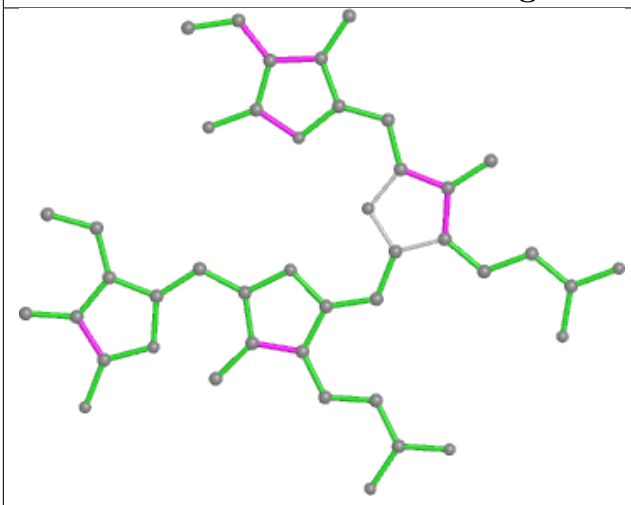

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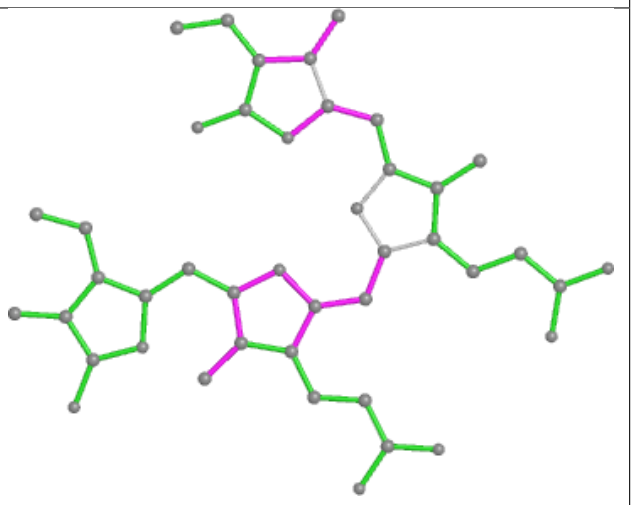

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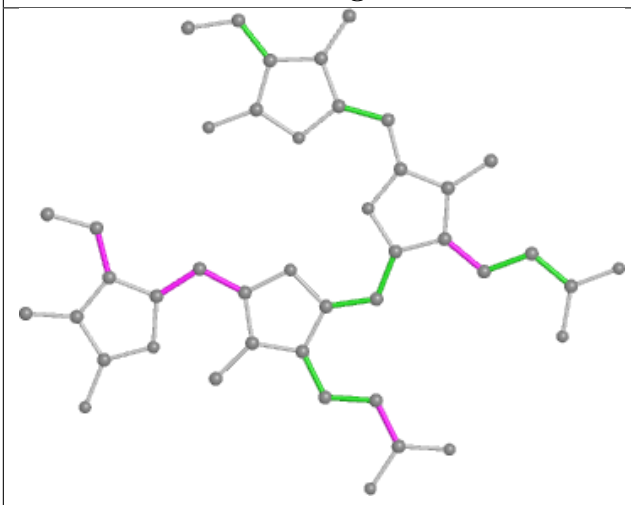

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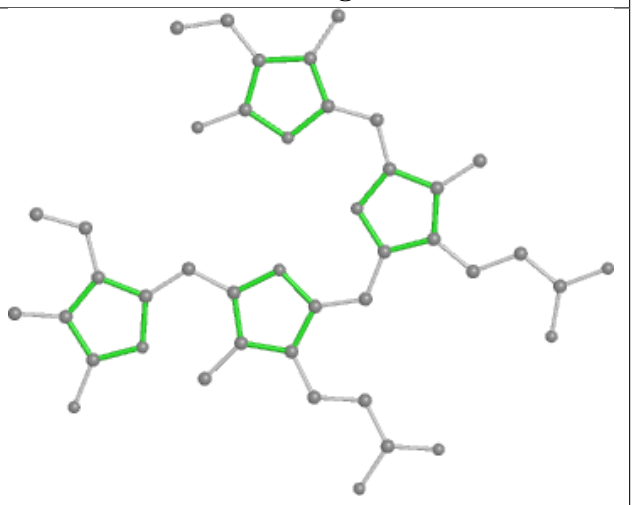

Rings

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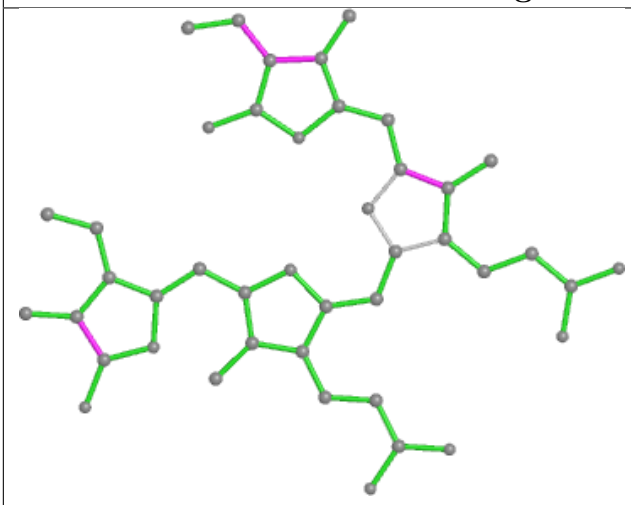

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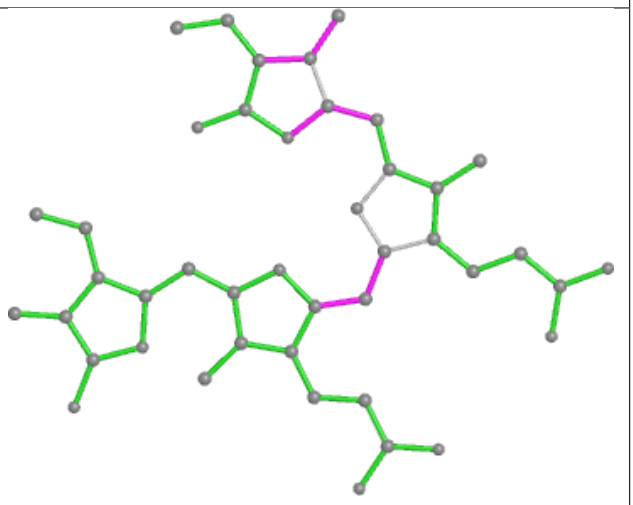

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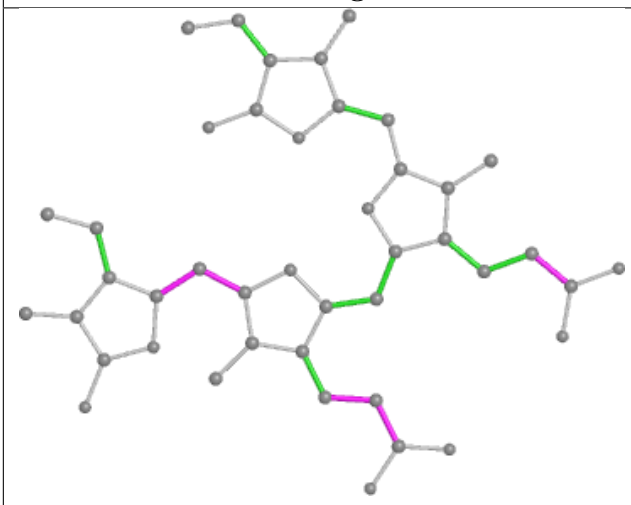

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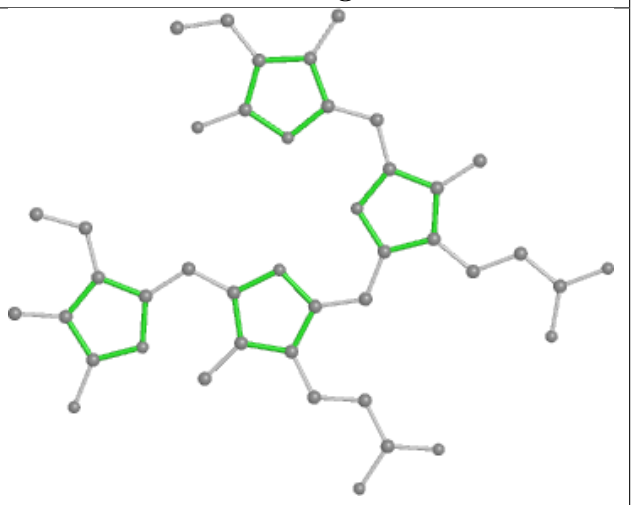

Rings

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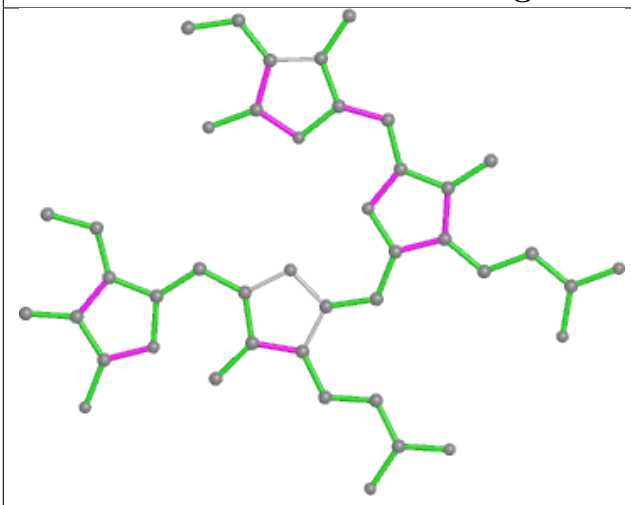

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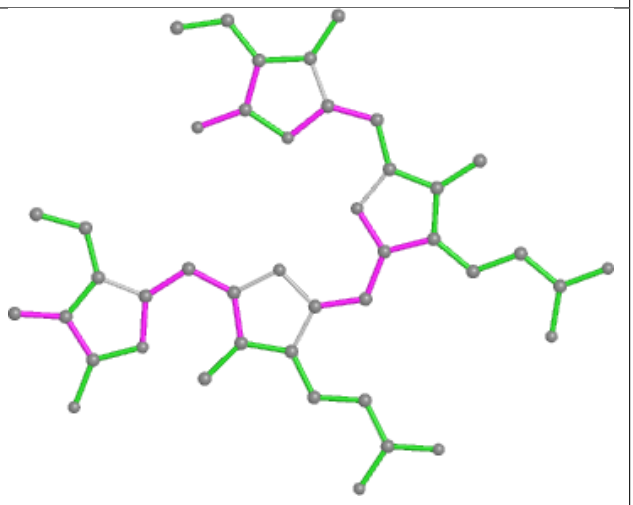

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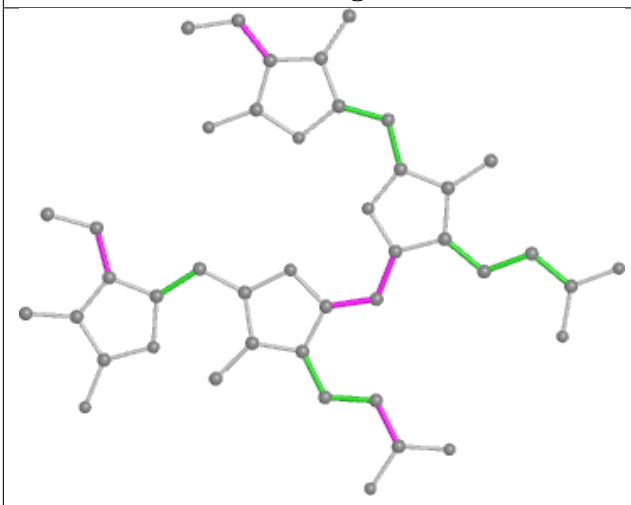

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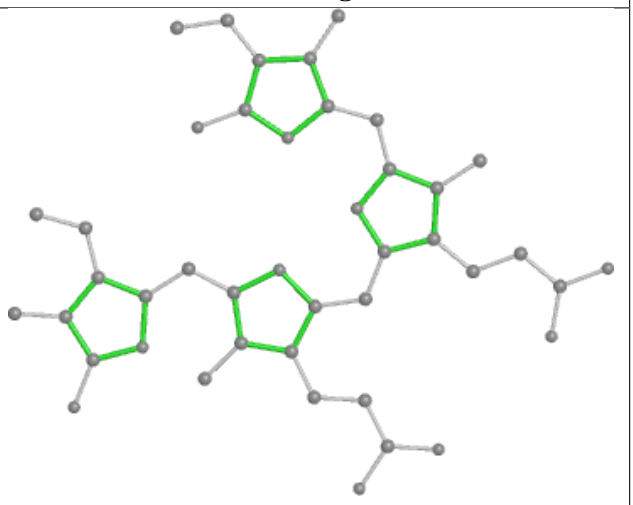

Rings

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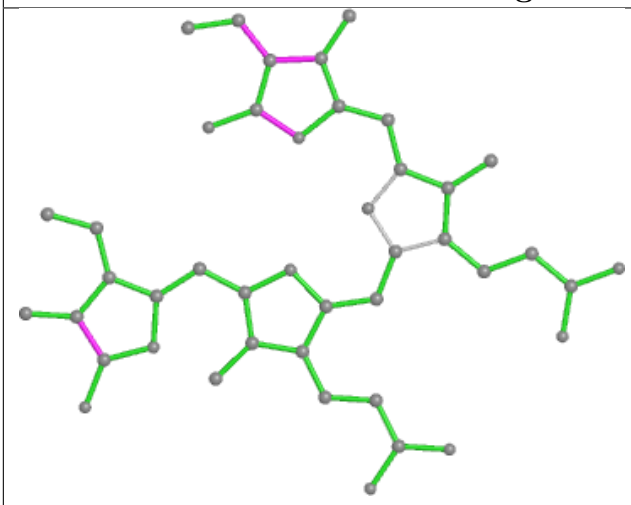

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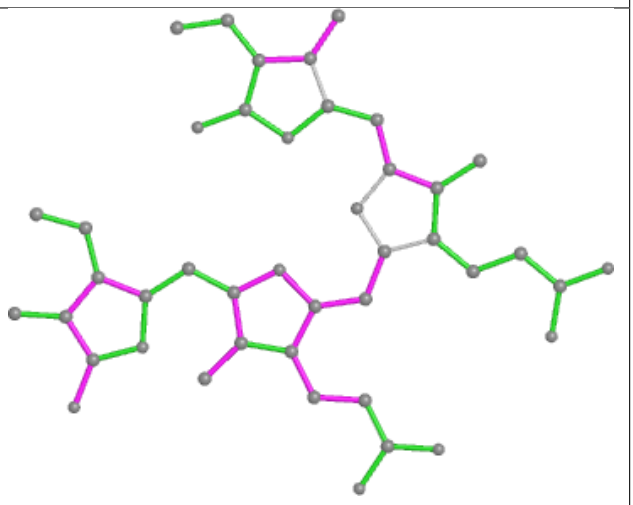

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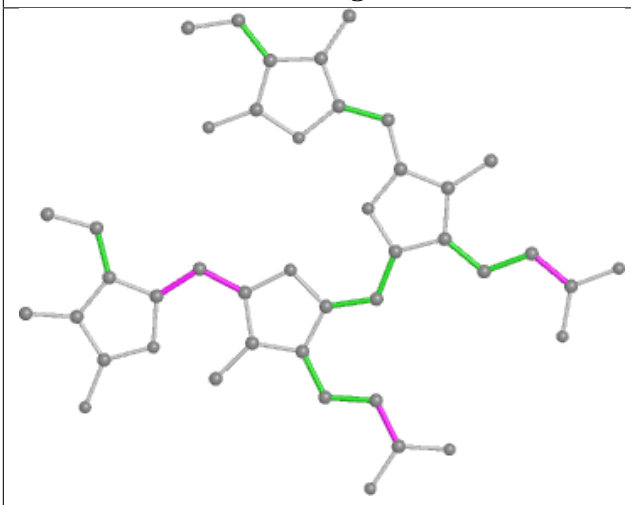

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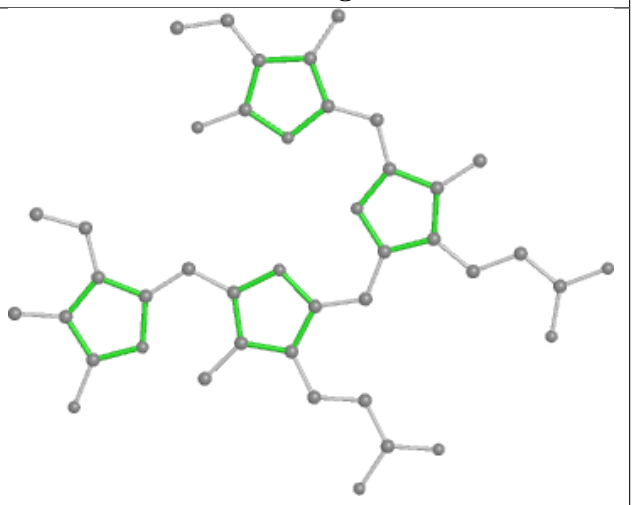

Rings

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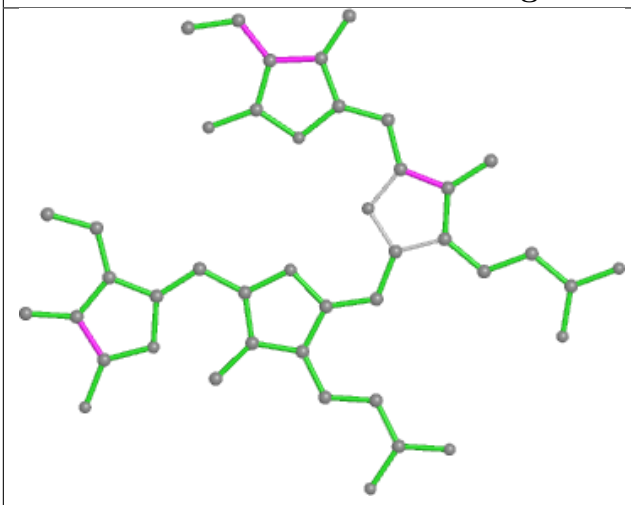

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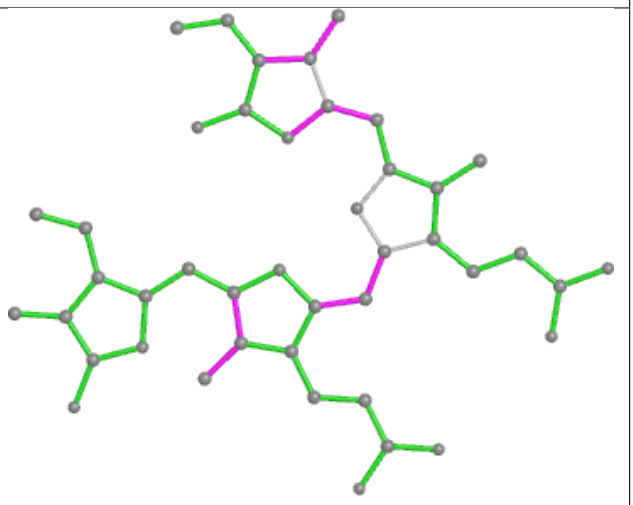

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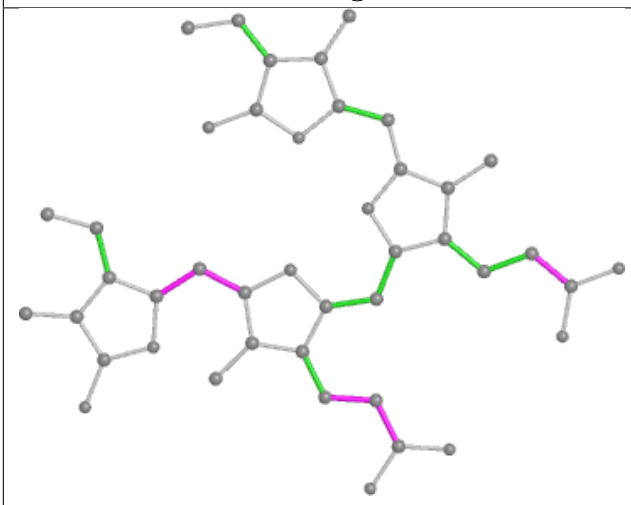

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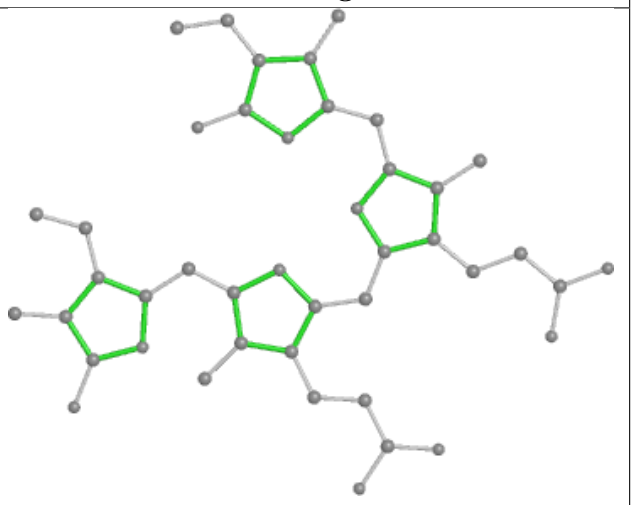

Rings

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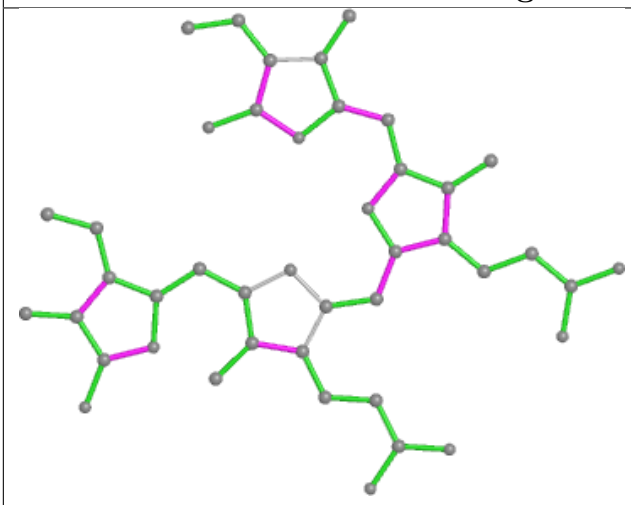

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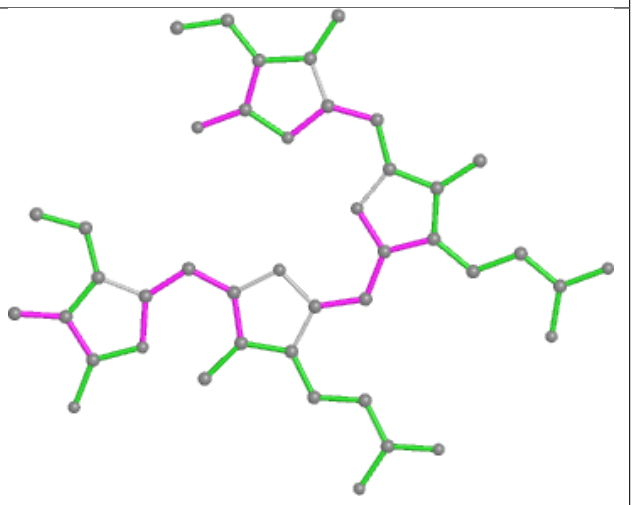

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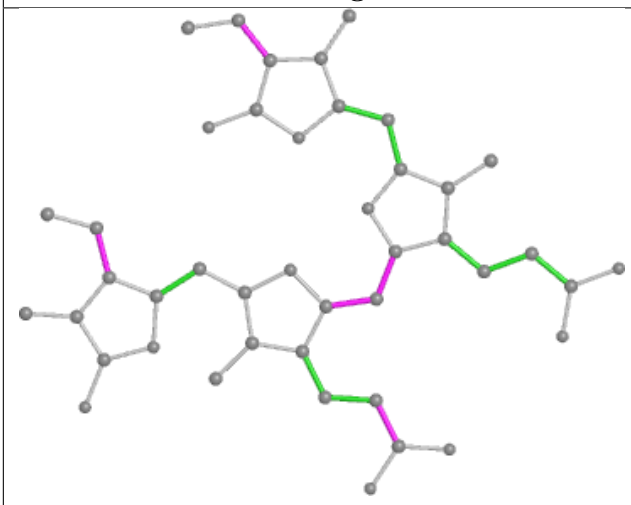

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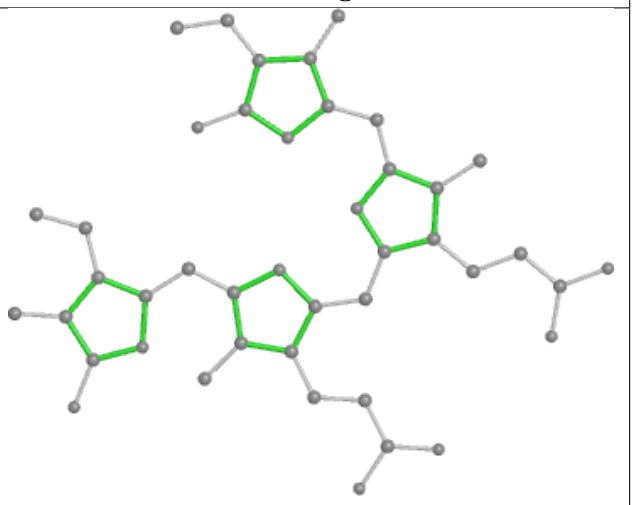

Rings

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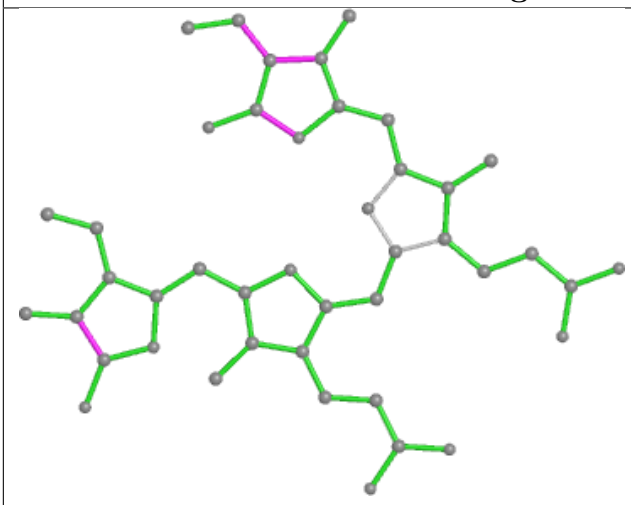

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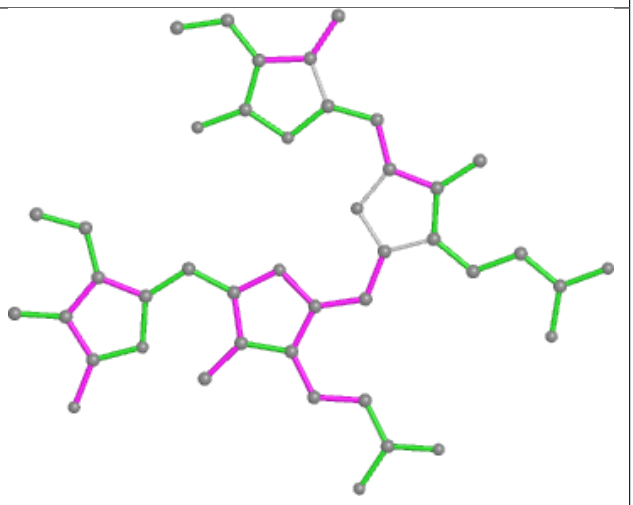

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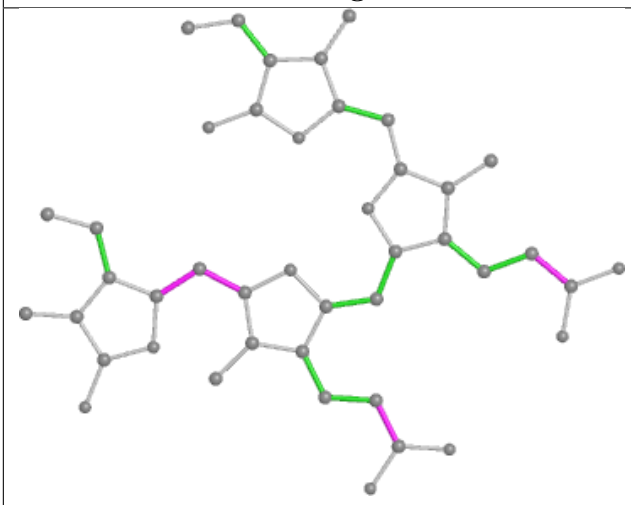

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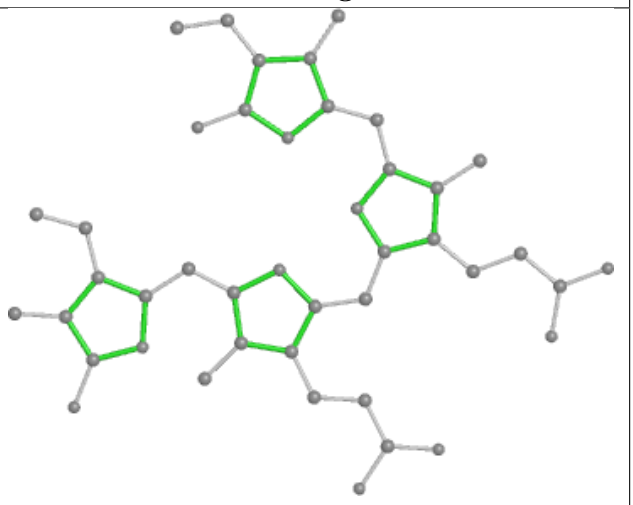

Rings

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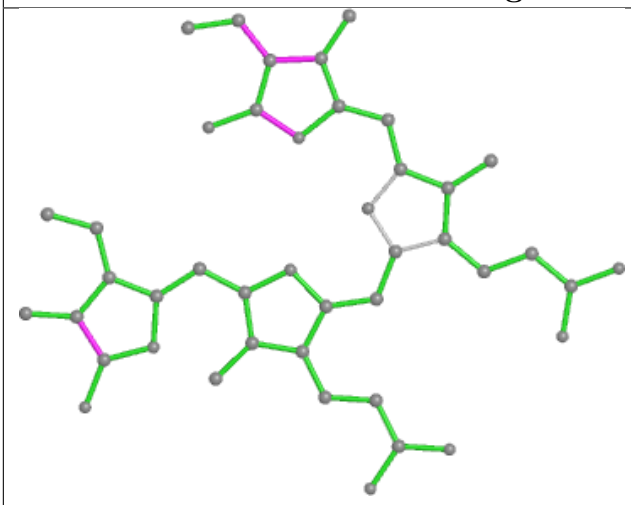

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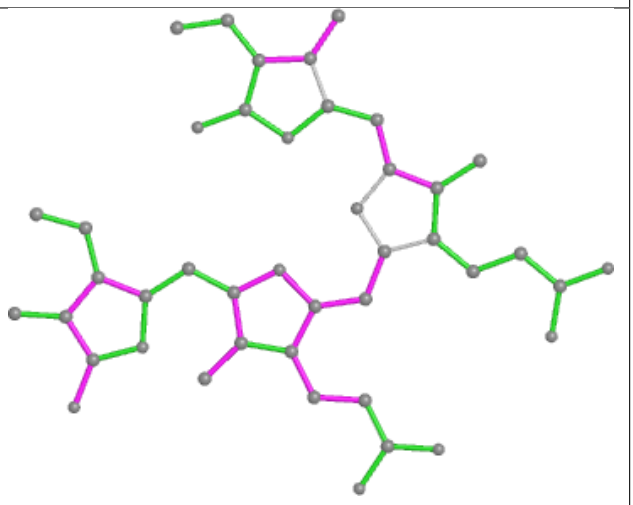

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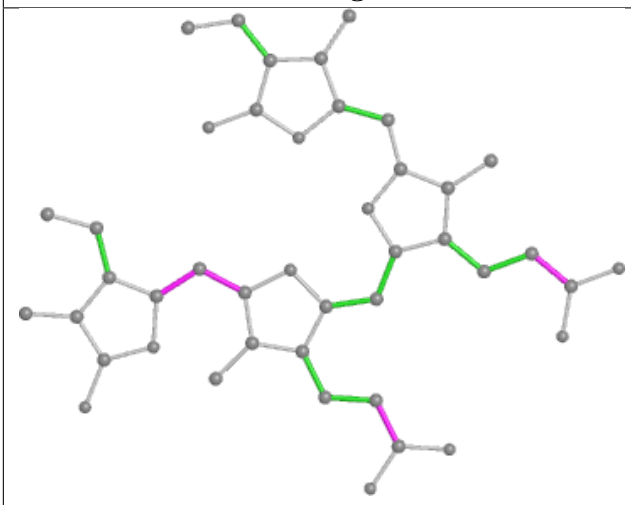

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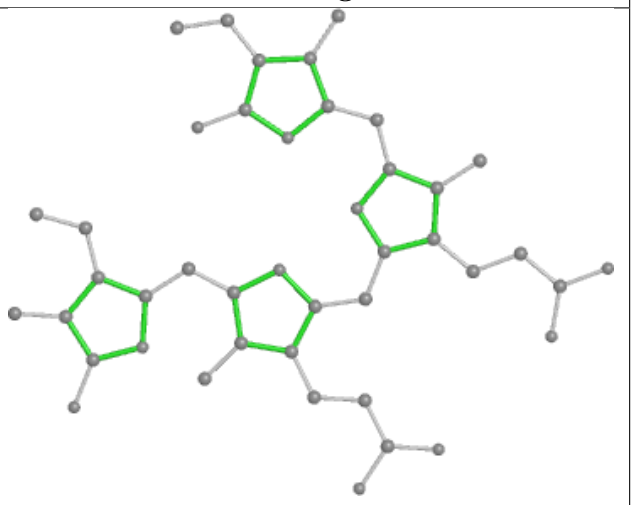

Rings

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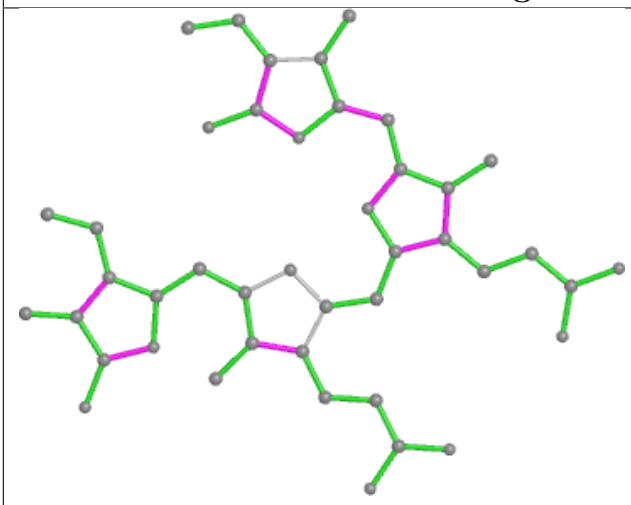

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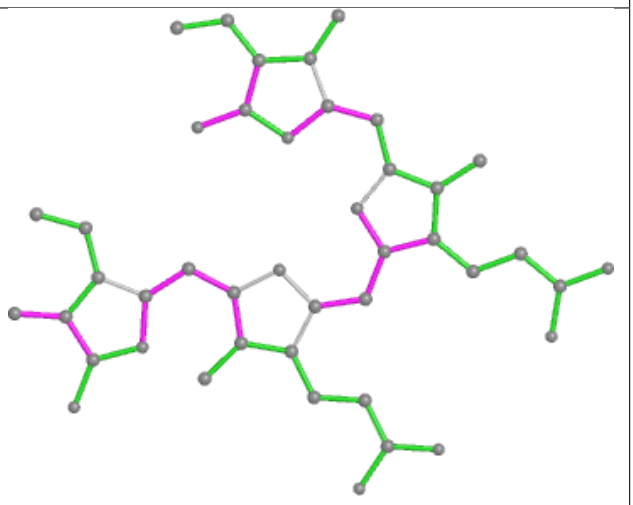

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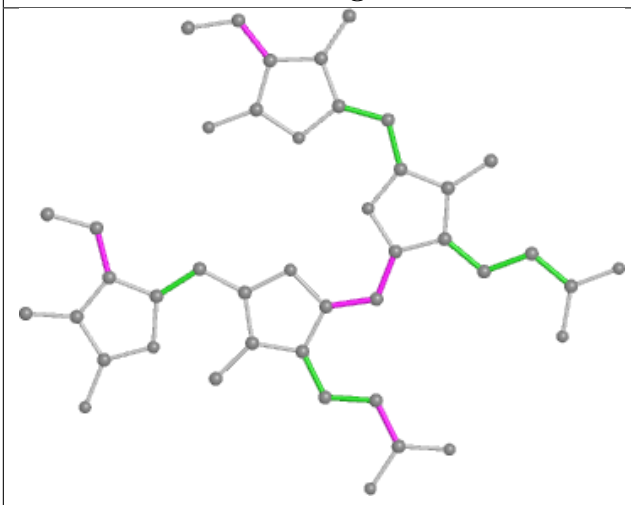

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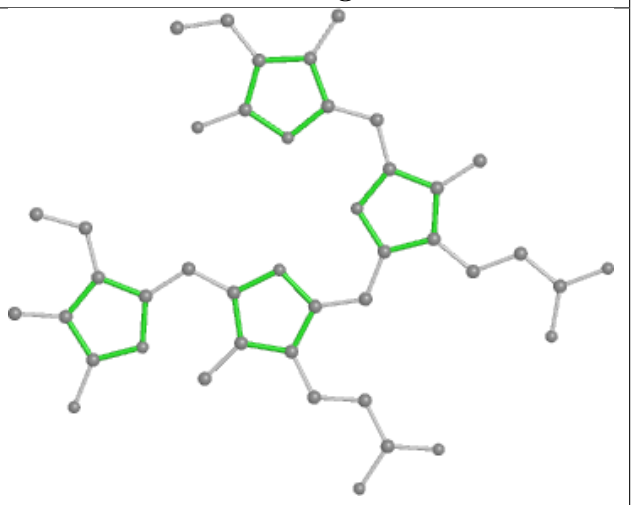

Rings

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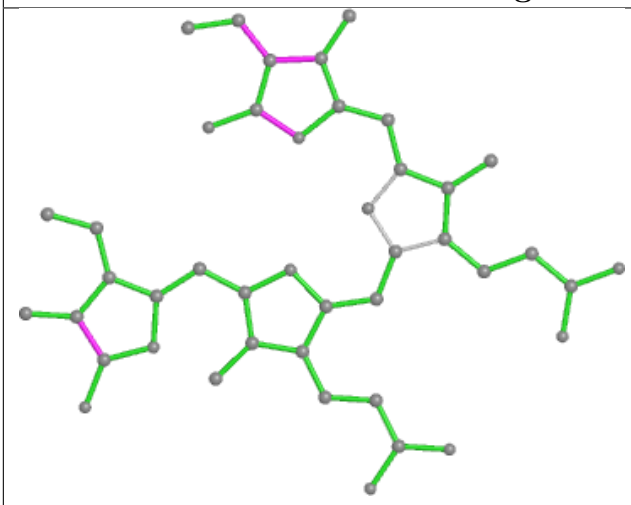

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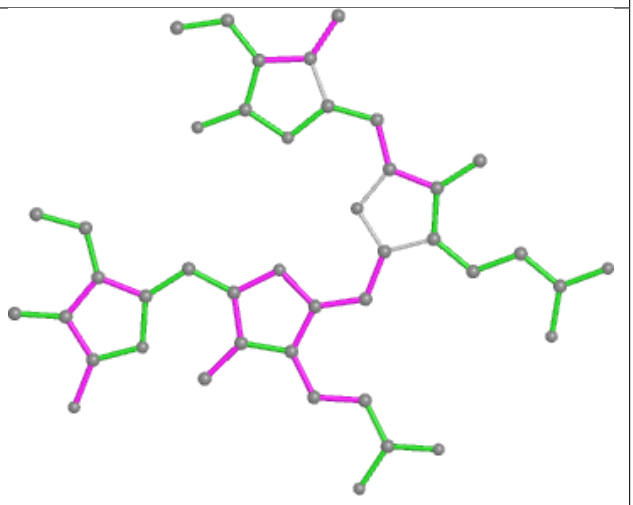

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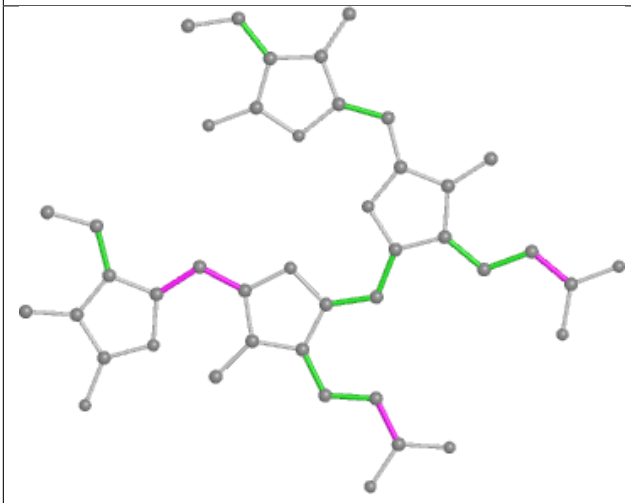

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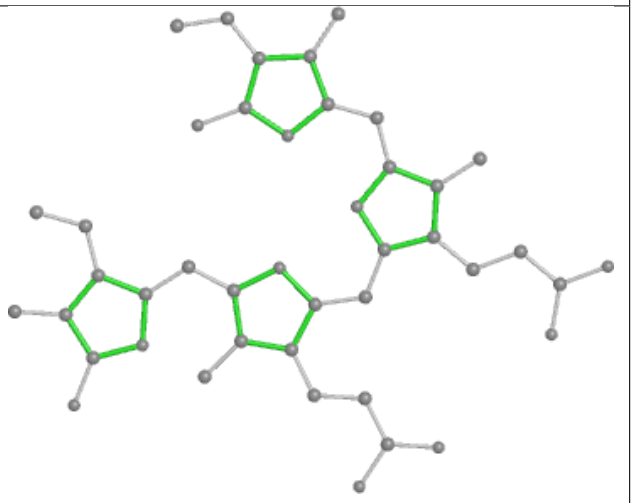
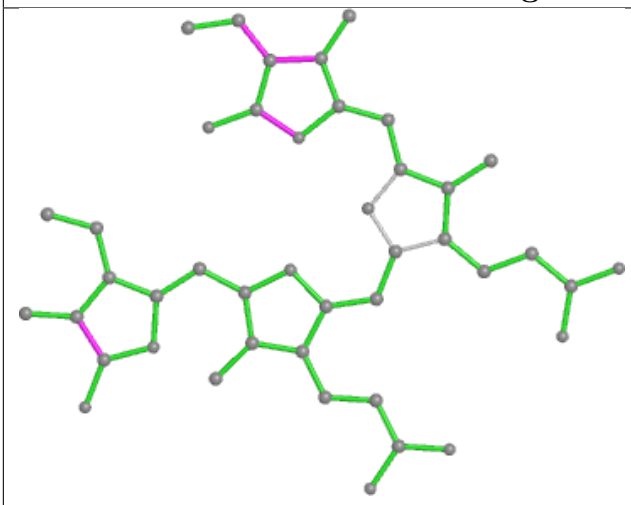


Rings

Ligand PEB r5 201



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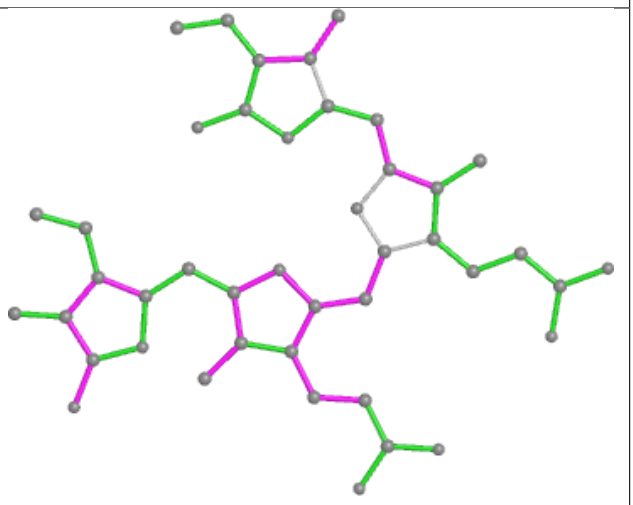
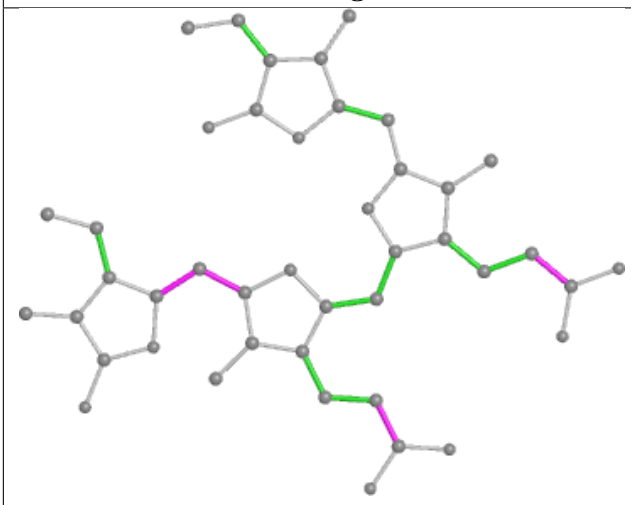
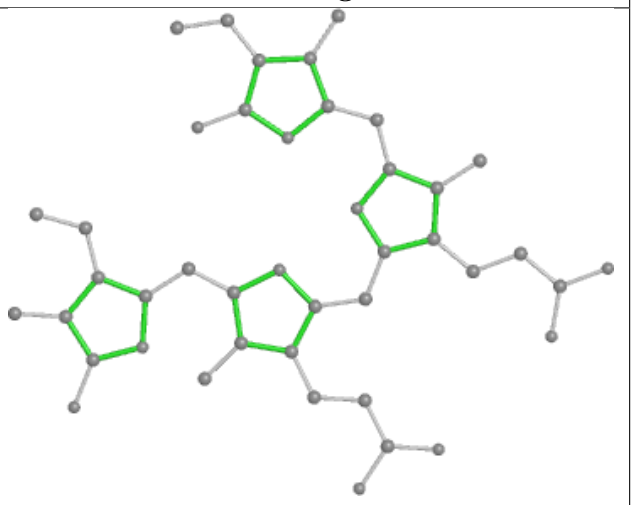


Bond angles

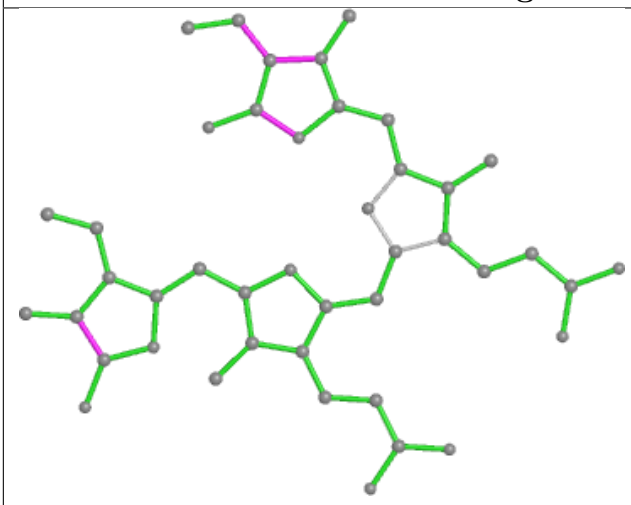


Torsions



Rings

Ligand PEB bF 201



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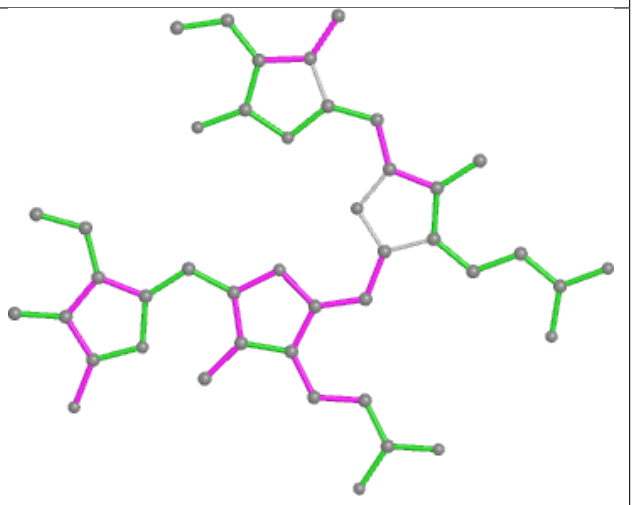

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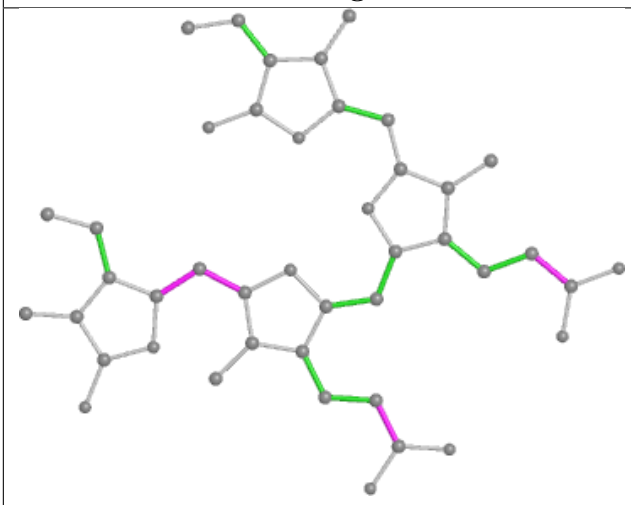

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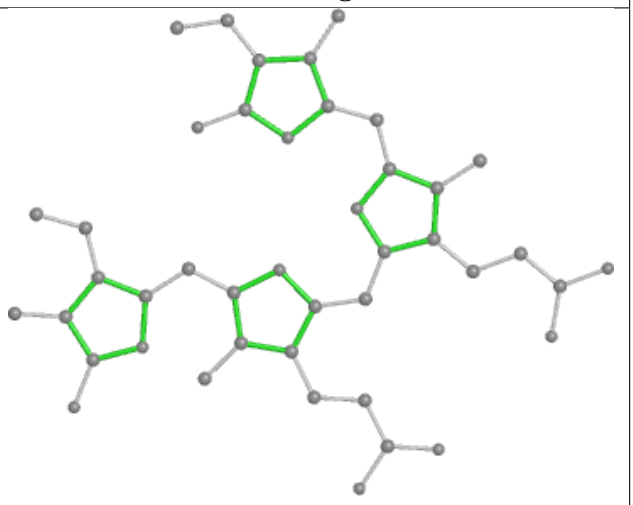
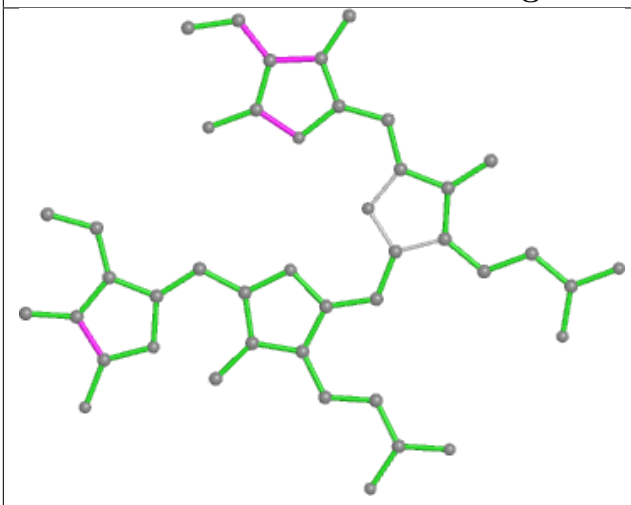


Rings

Ligand PEB I3 201



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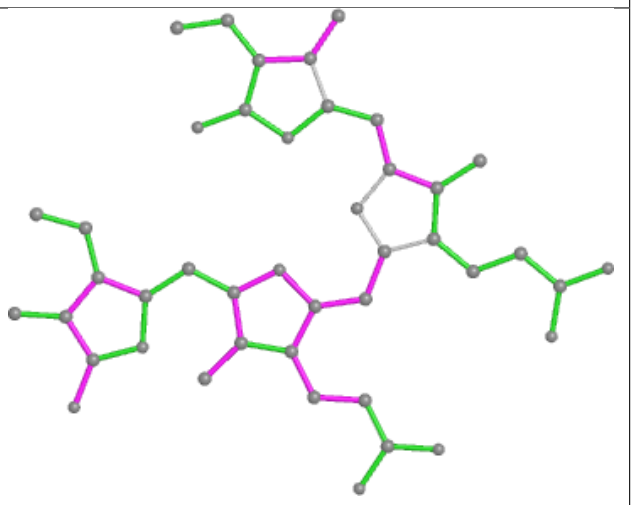

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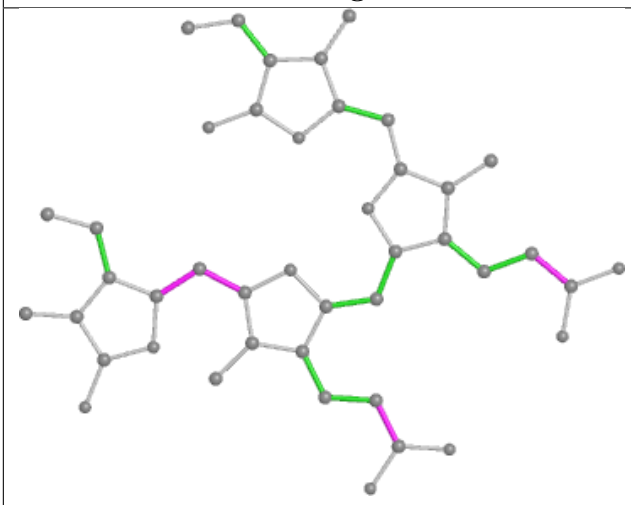

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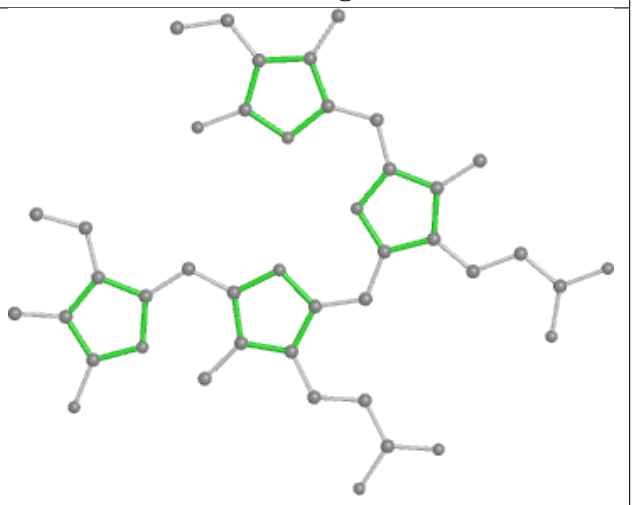
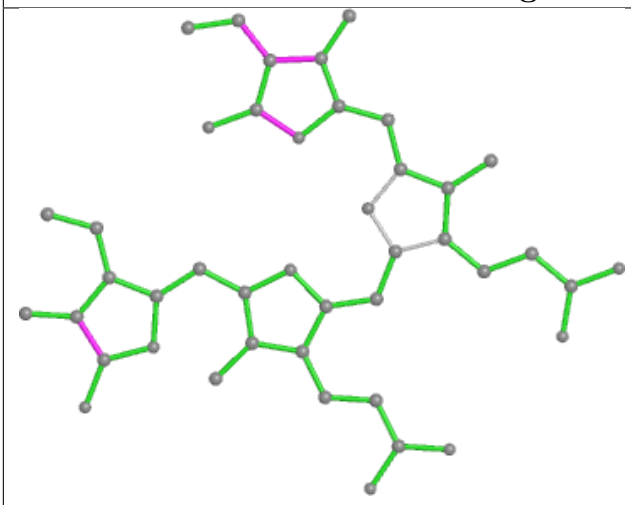


Rings

Ligand PEB dz 402



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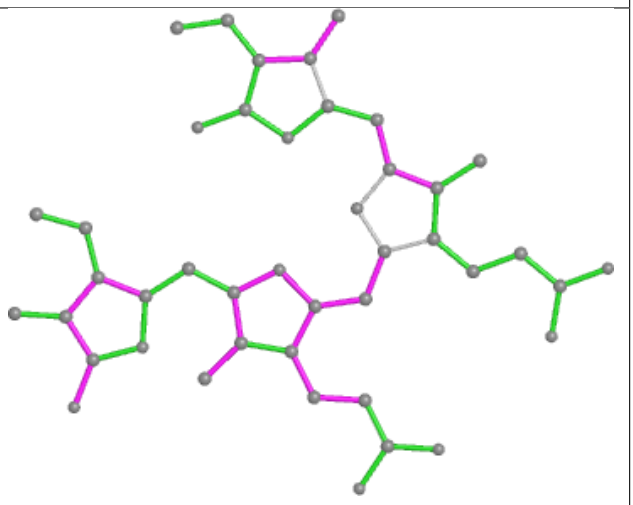
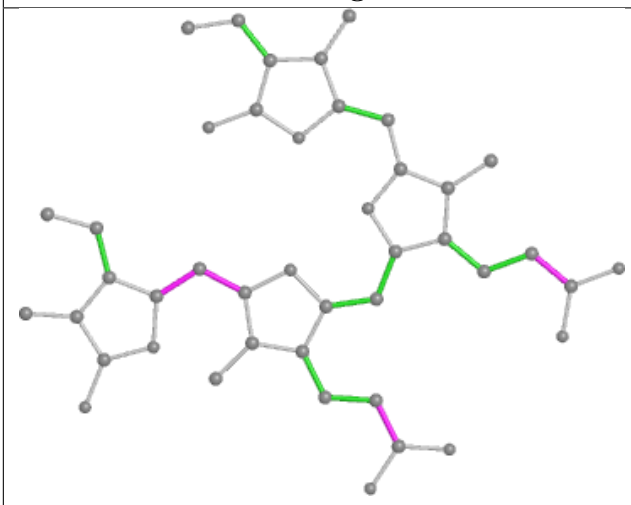


Bond angles



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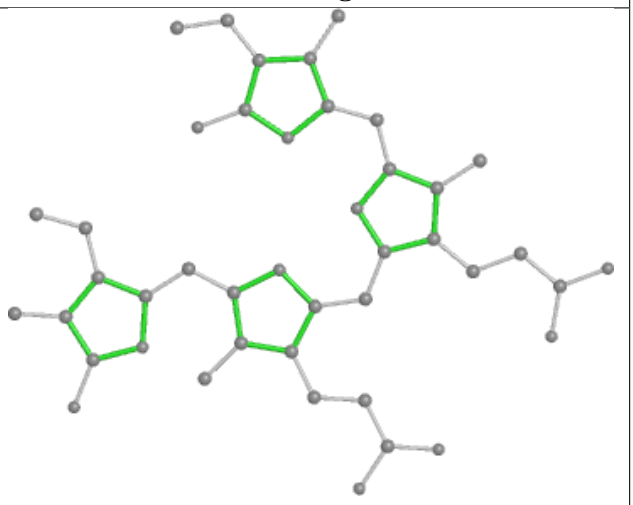
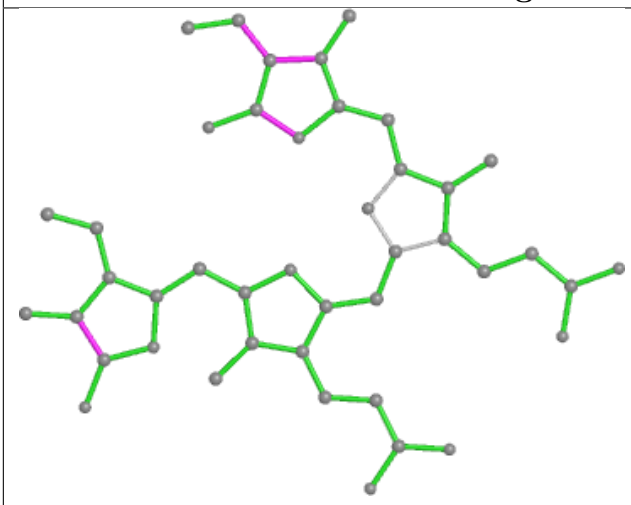


Rings

Ligand PEB R4 201



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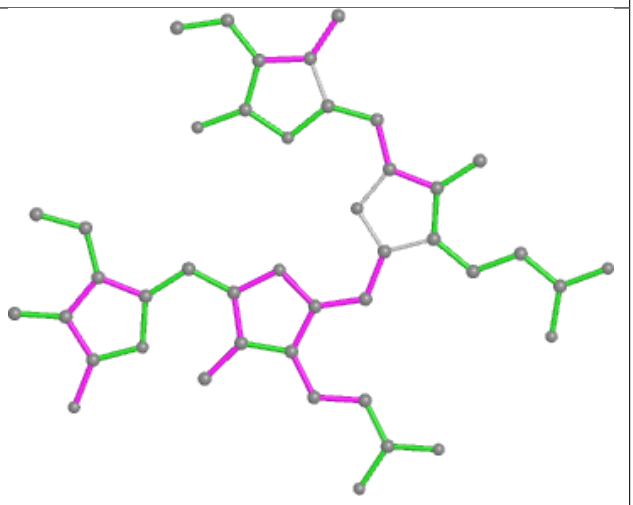
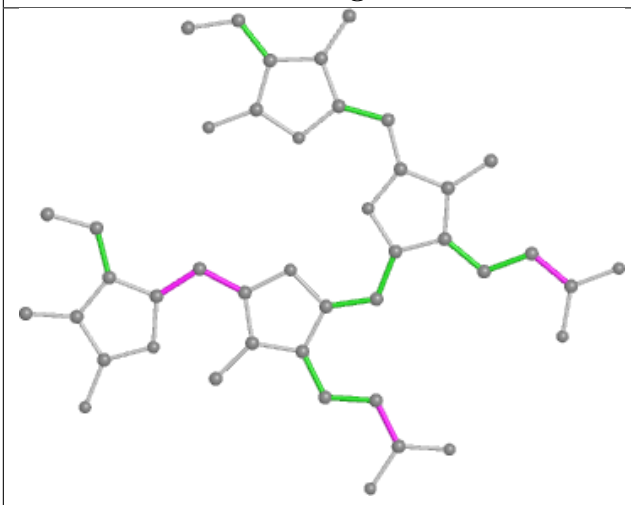


Bond angles



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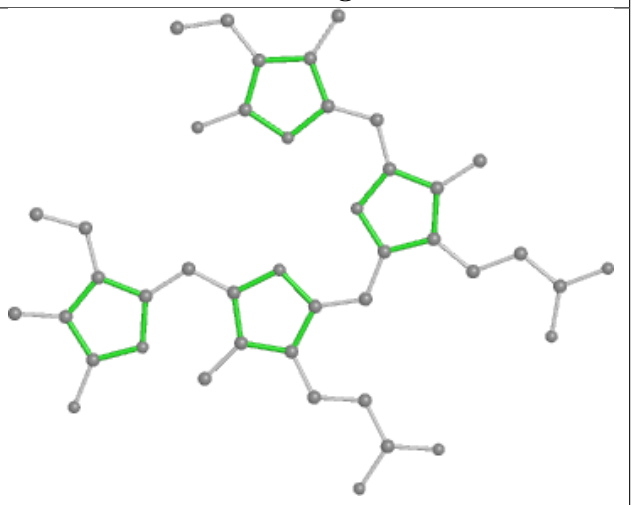
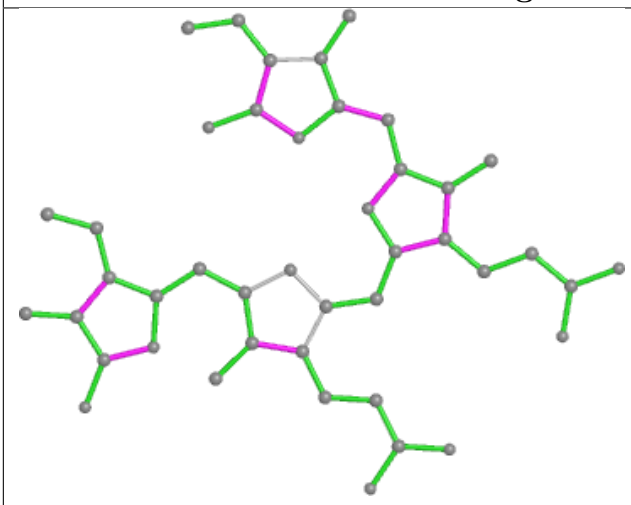


Rings

Ligand PUB bp 202



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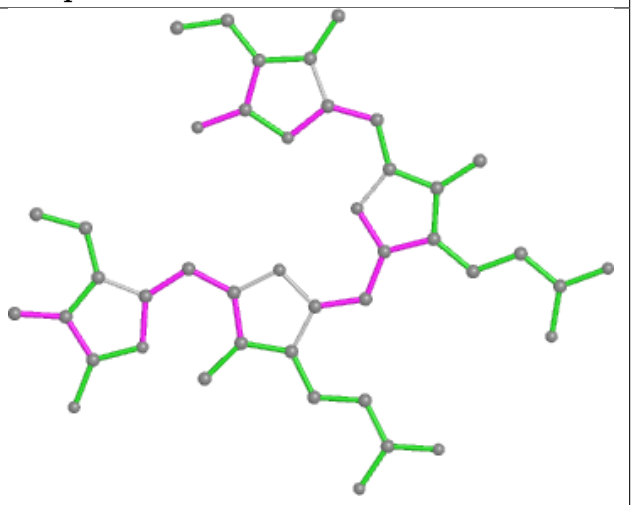

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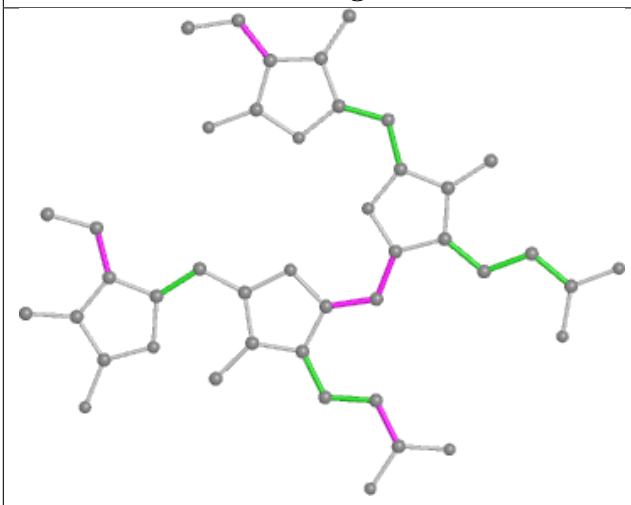

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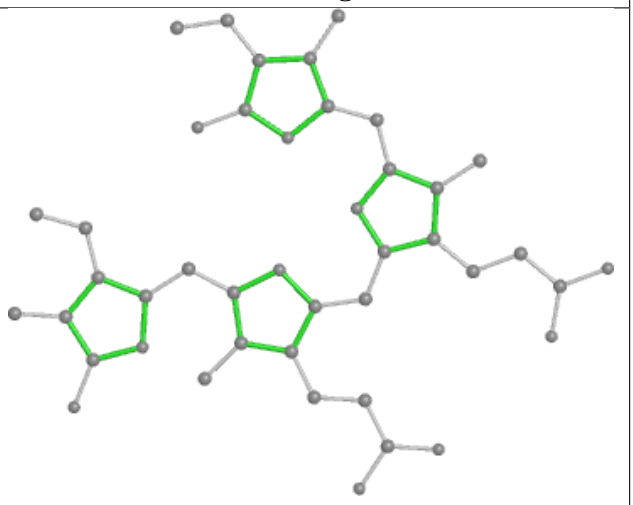

Rings

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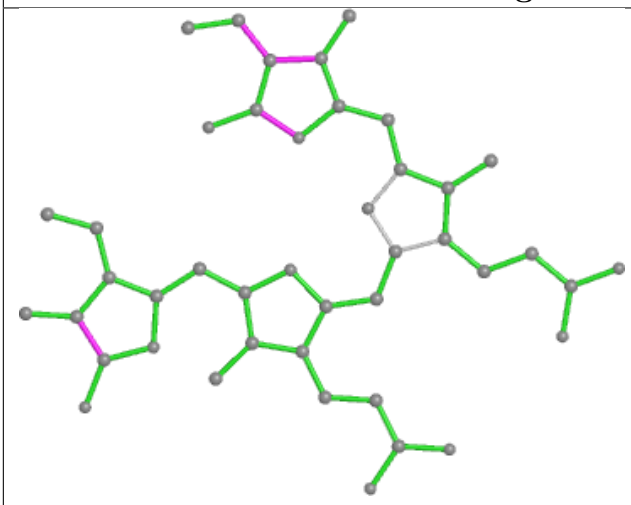

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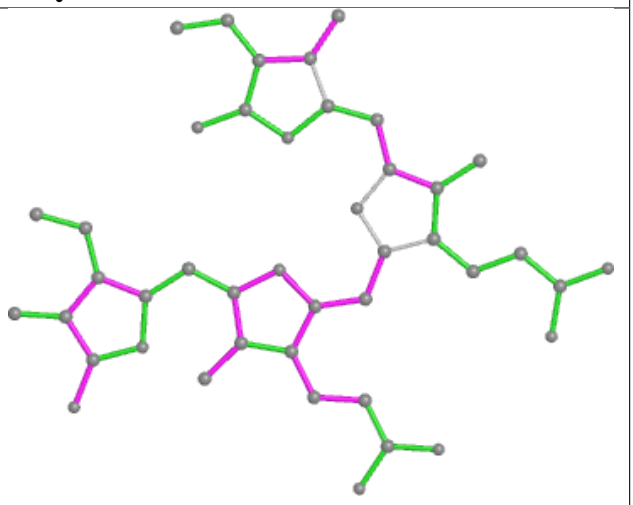

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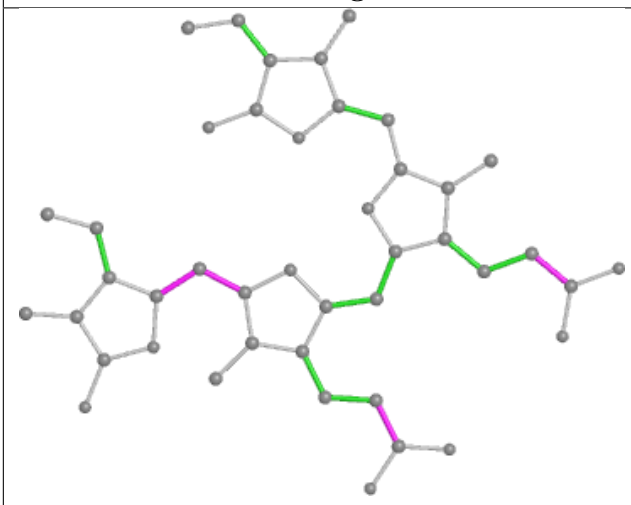

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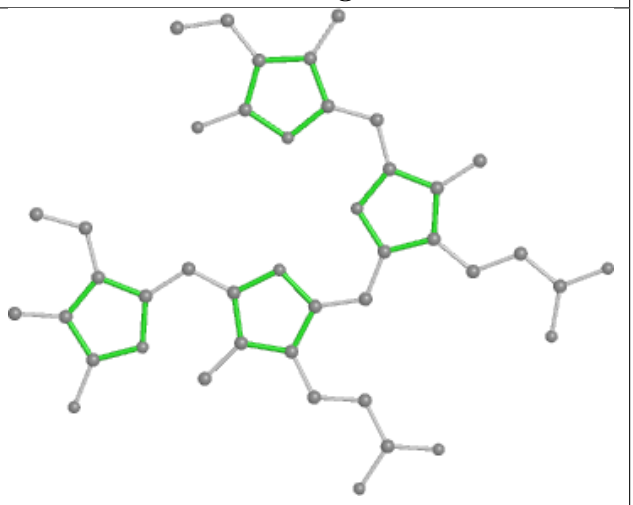
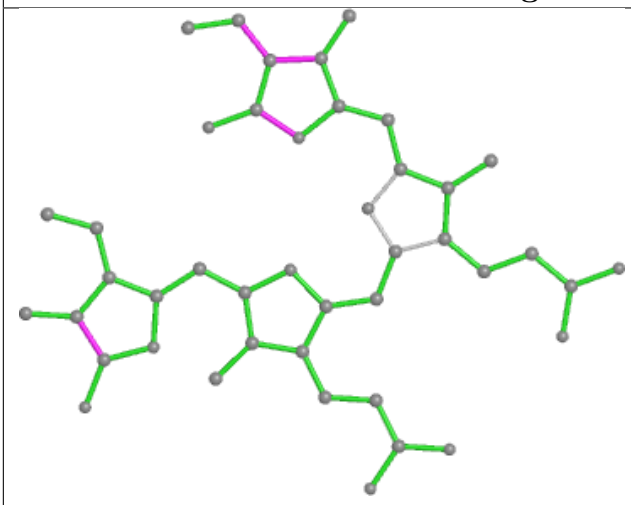


Rings

Ligand PEB bI 201



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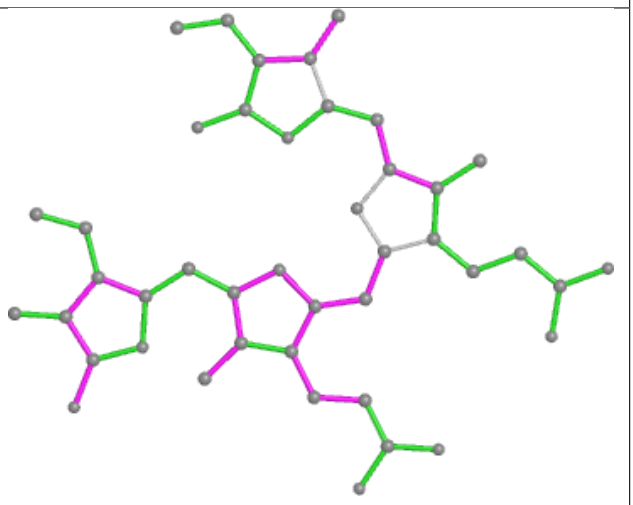

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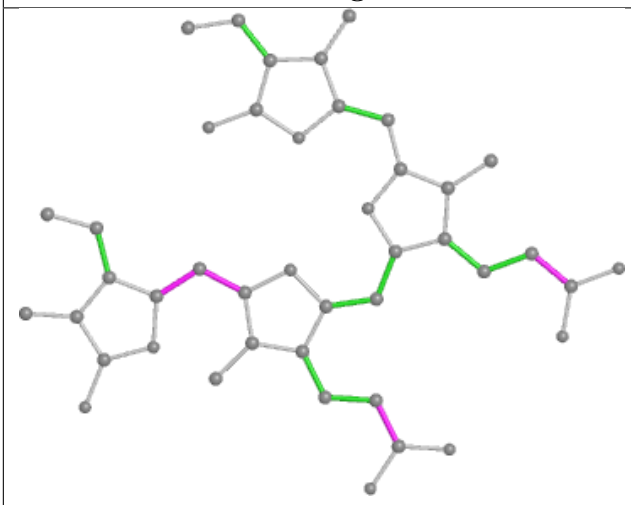

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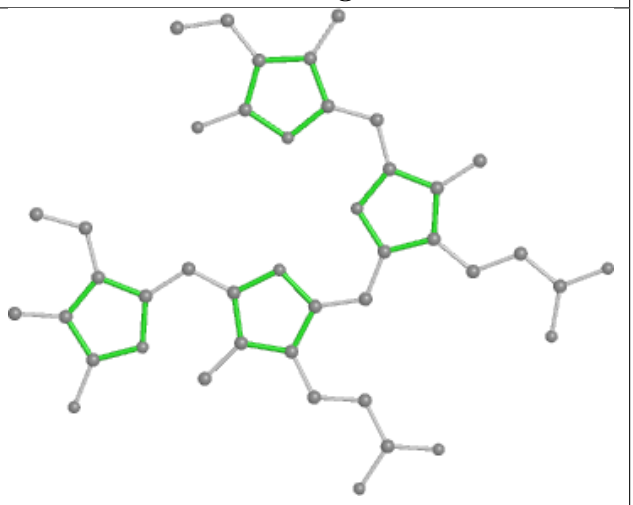
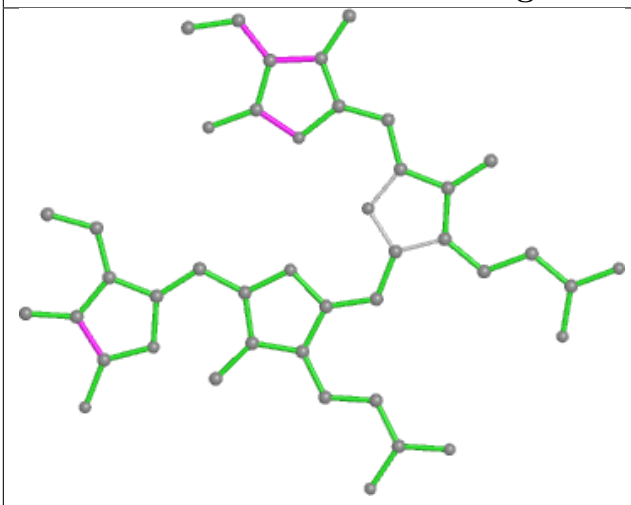


Rings

Ligand PEB eC 201



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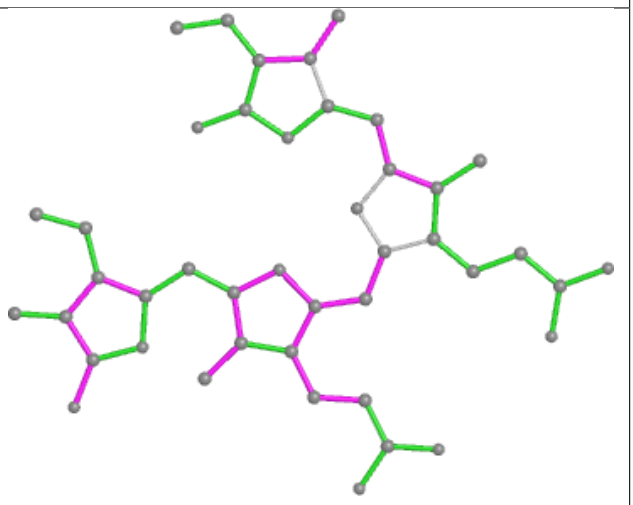
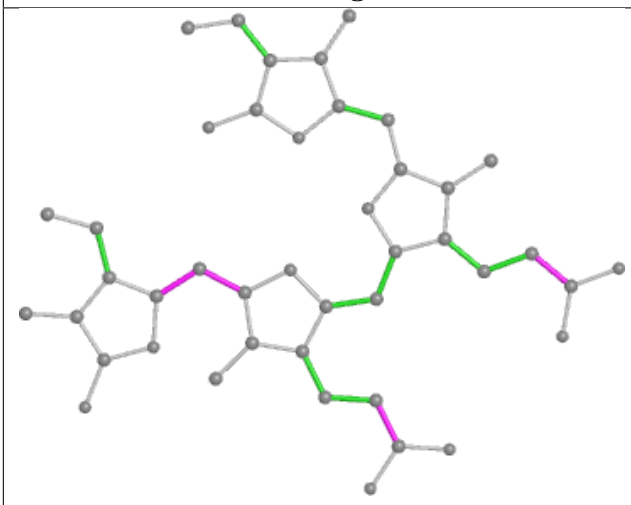
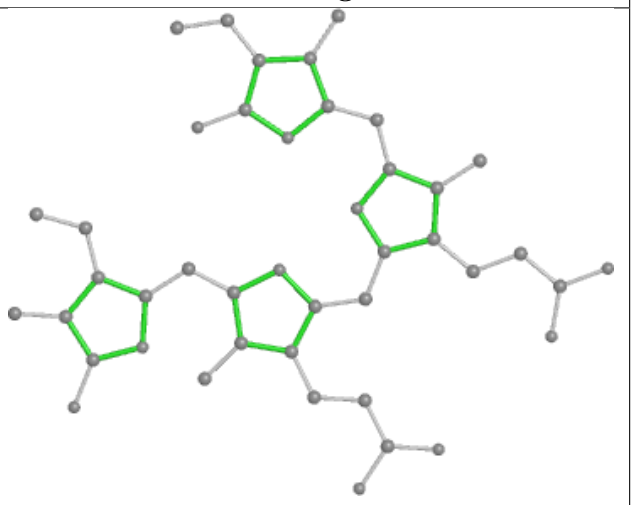


Bond angles

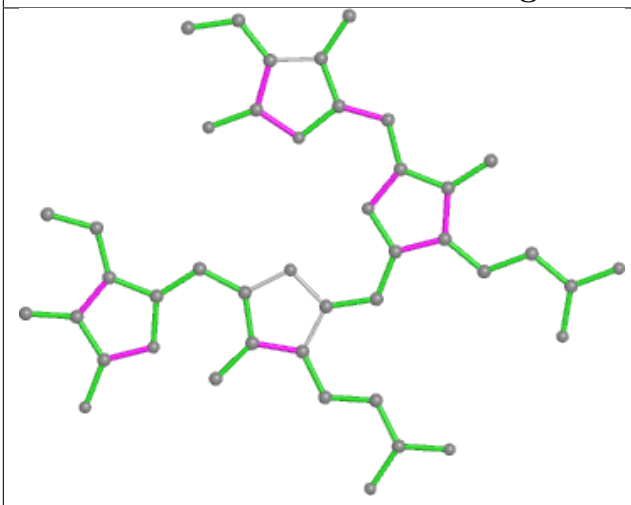


Torsions



Rings

Ligand PUB t5 203



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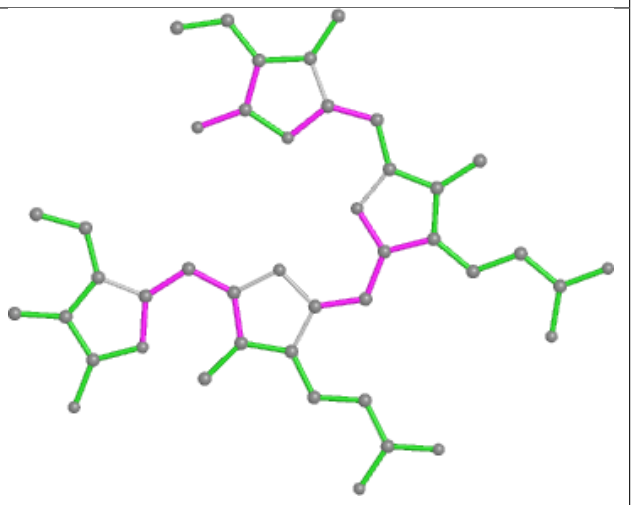

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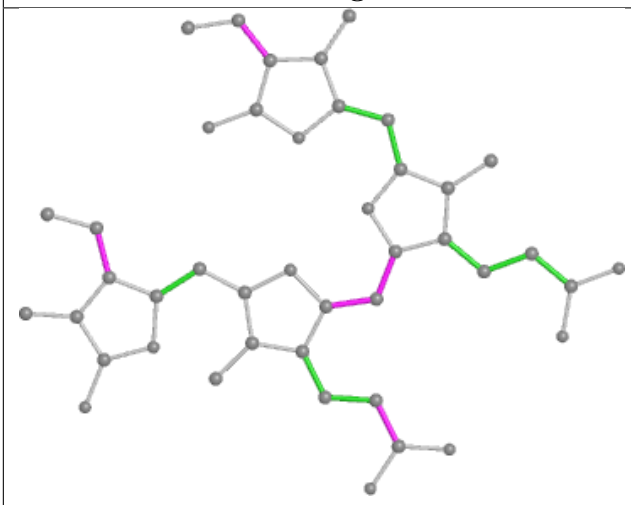

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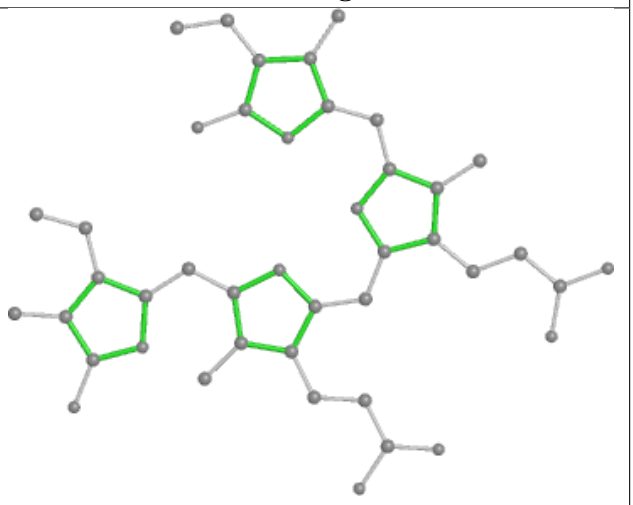
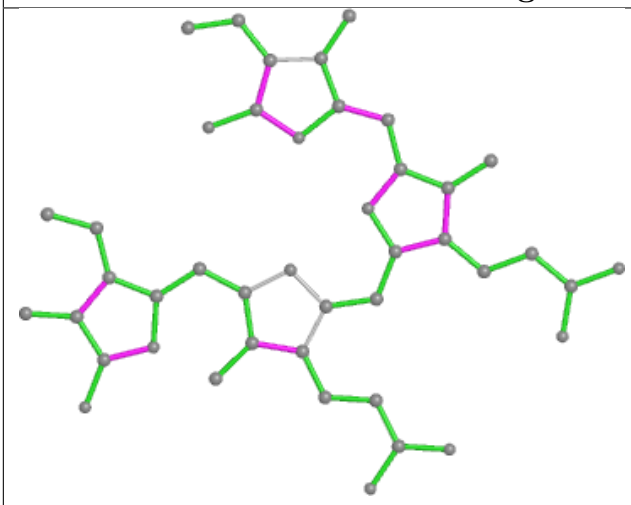


Rings

Ligand PUB cp 203



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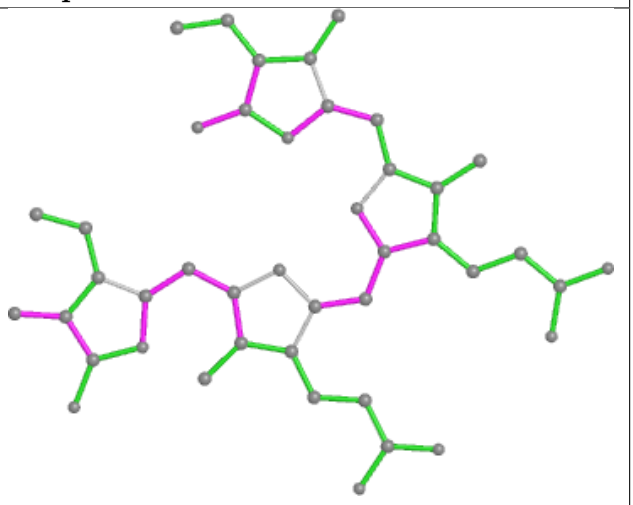

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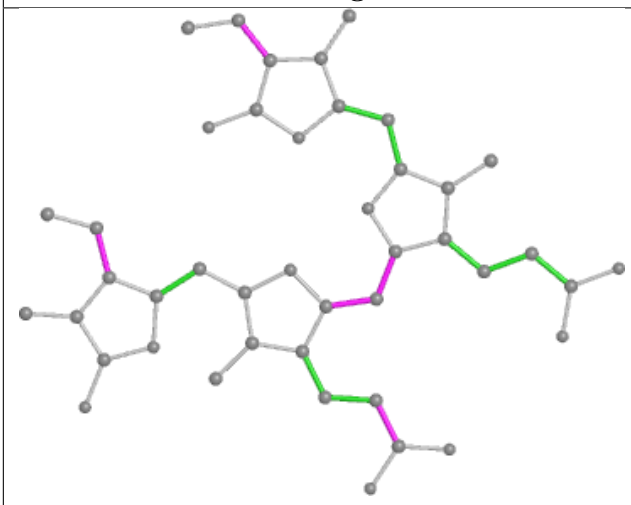

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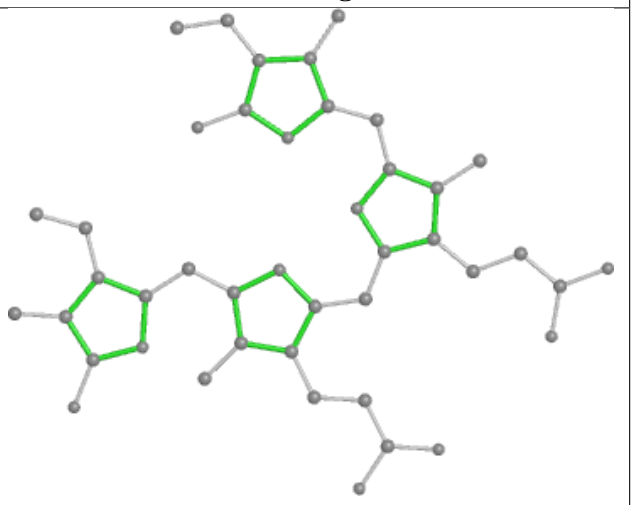
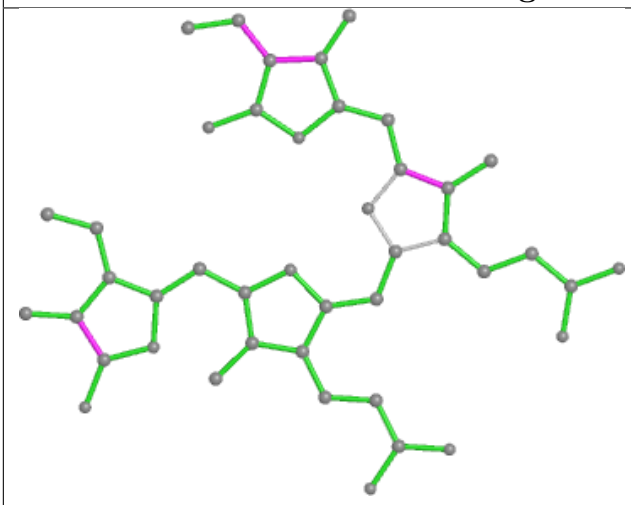


Rings

Ligand PEB d3 301



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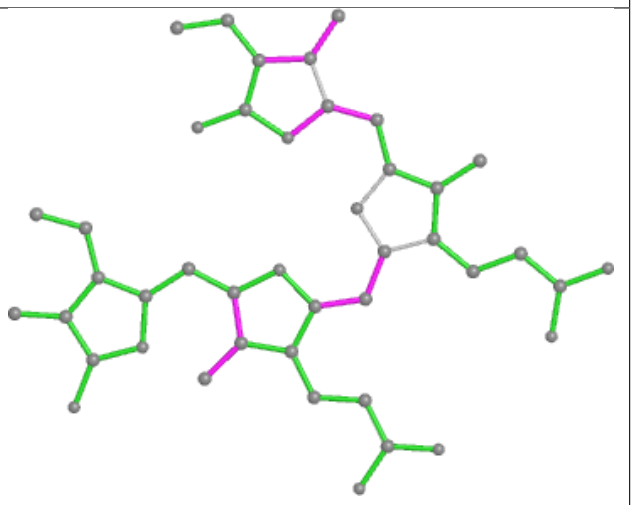

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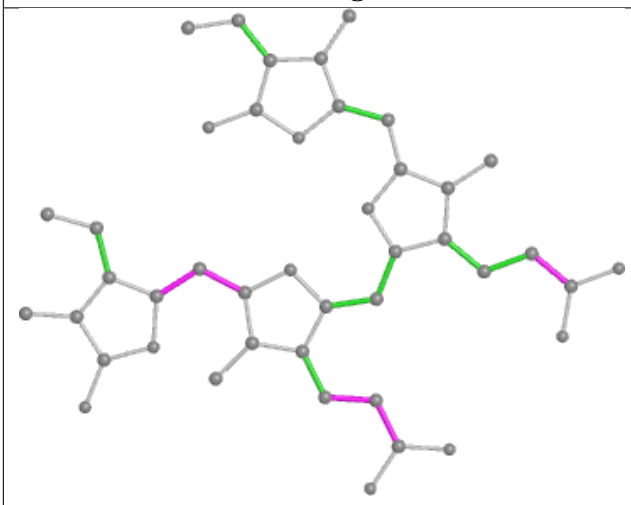

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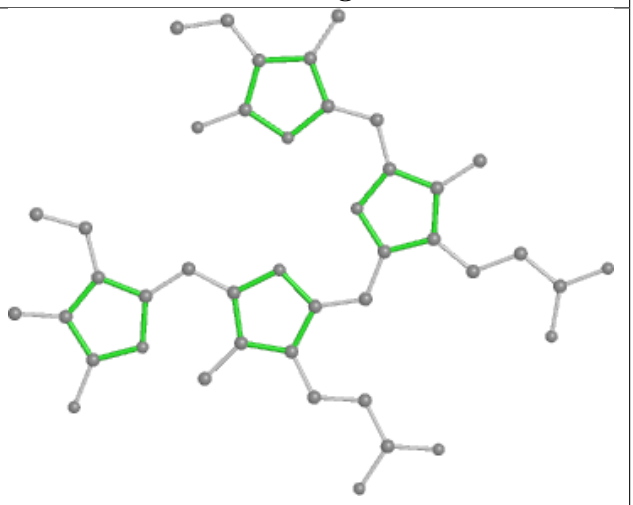
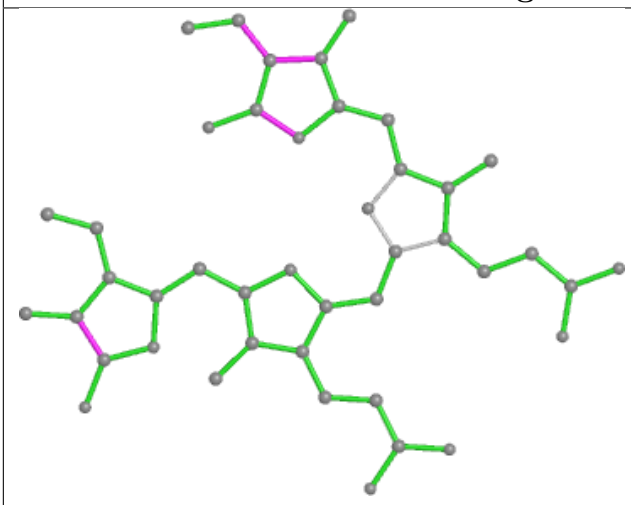


Rings

Ligand PEB eB 202



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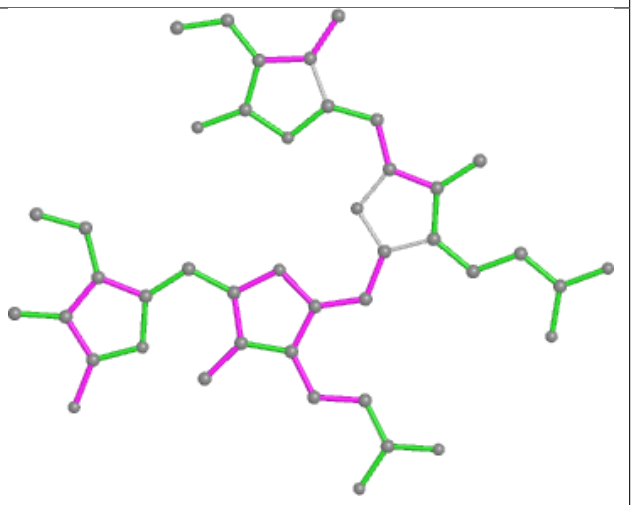
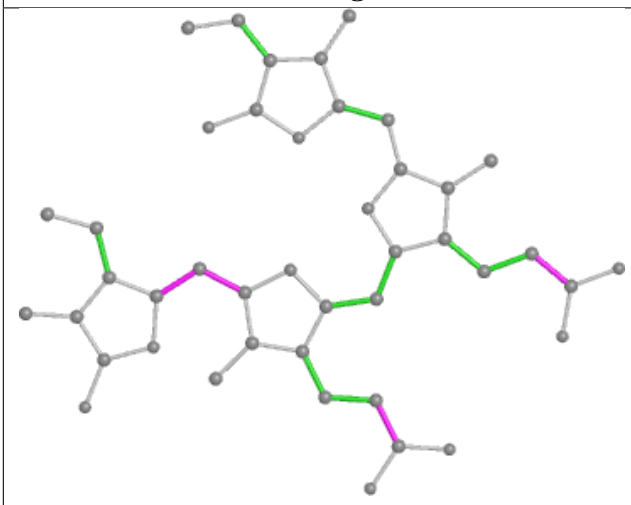


Bond angles



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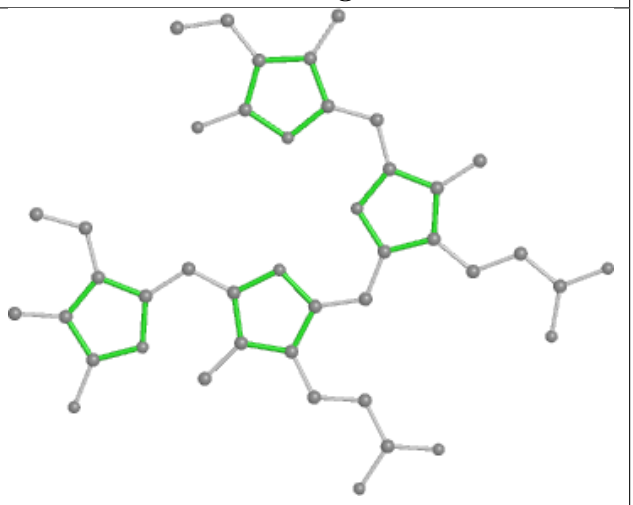
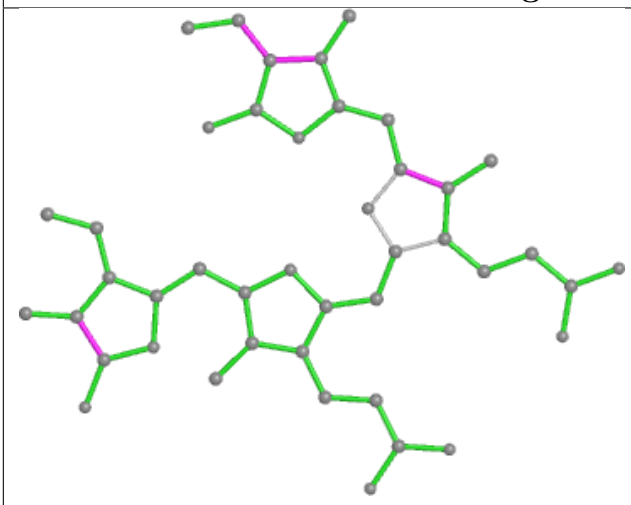


Rings

Ligand PEB I9 202



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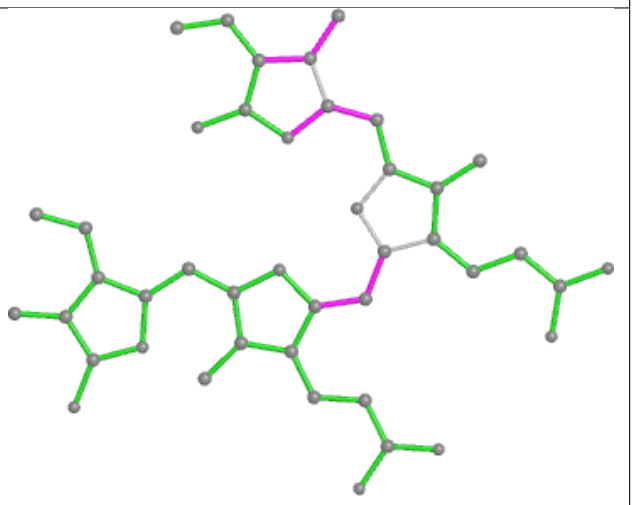

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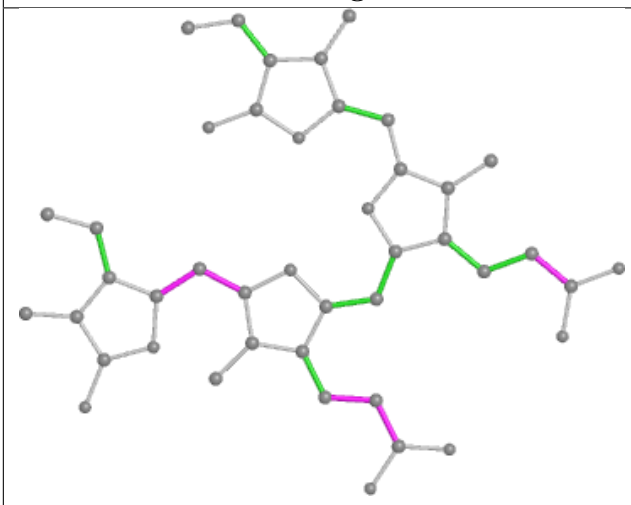
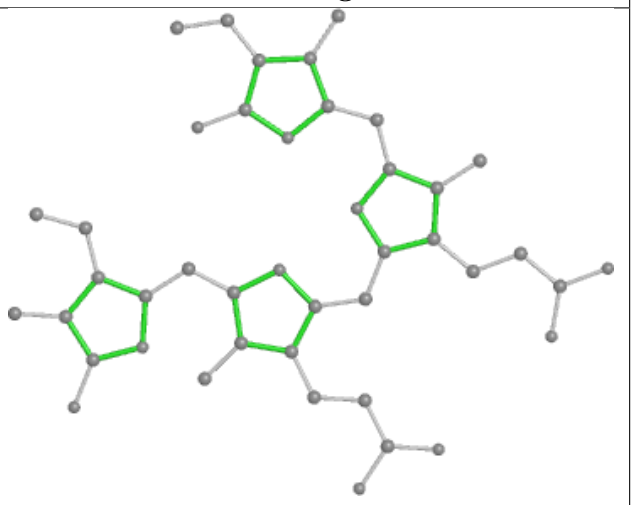
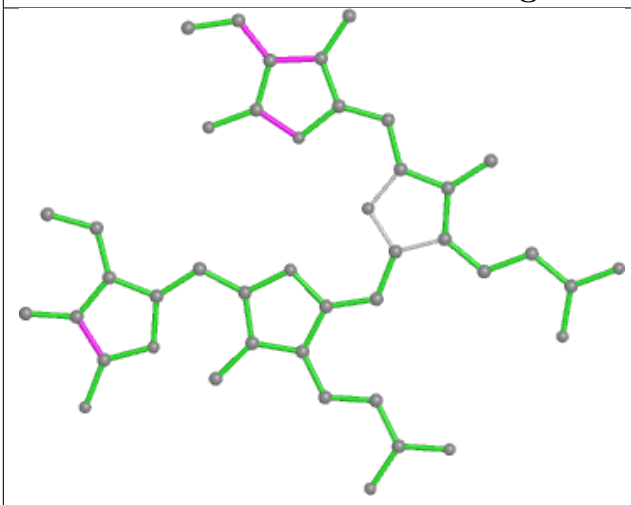


Torsions



Rings

Ligand PEB cS 201



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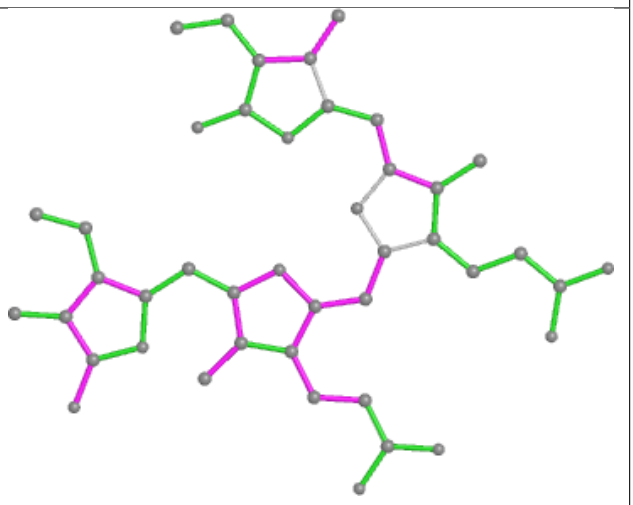

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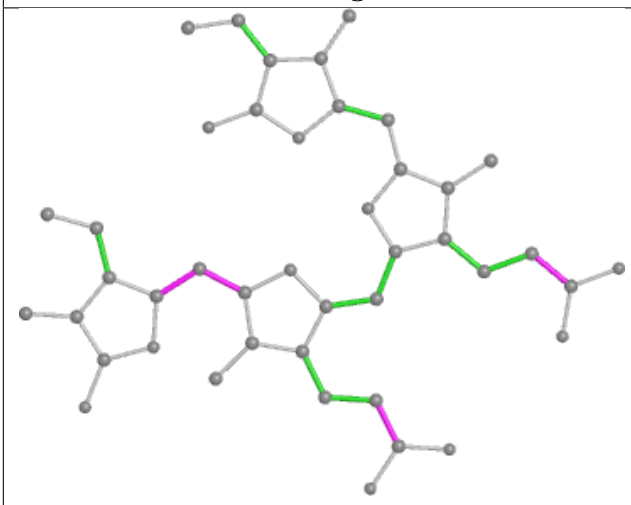

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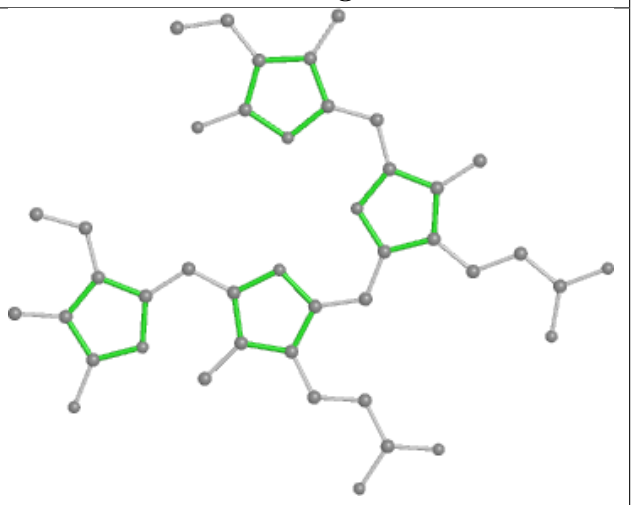
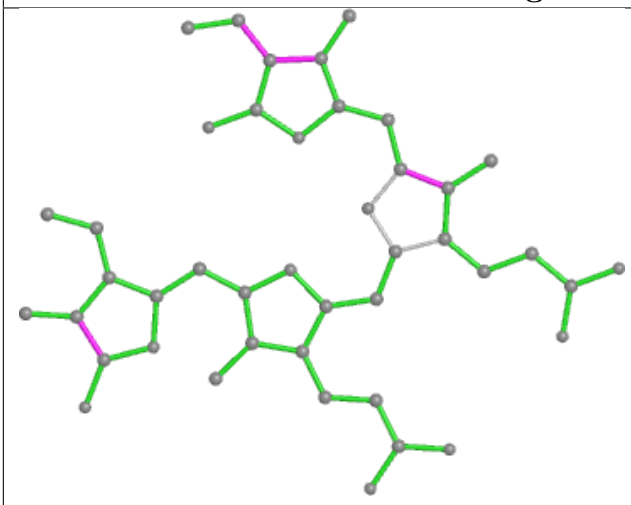


Rings

Ligand PEB ls 202



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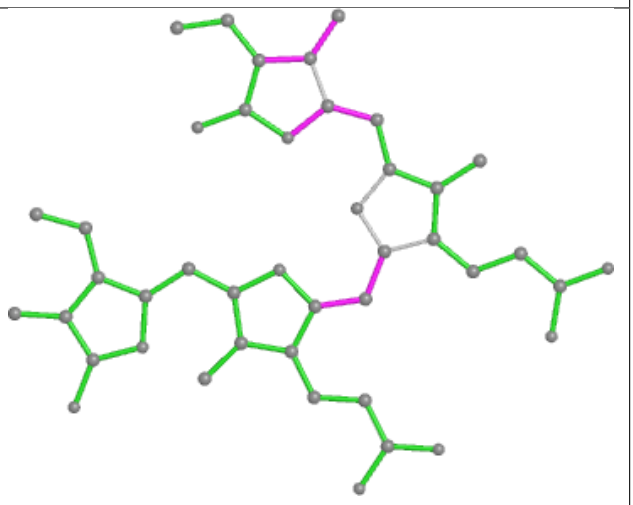

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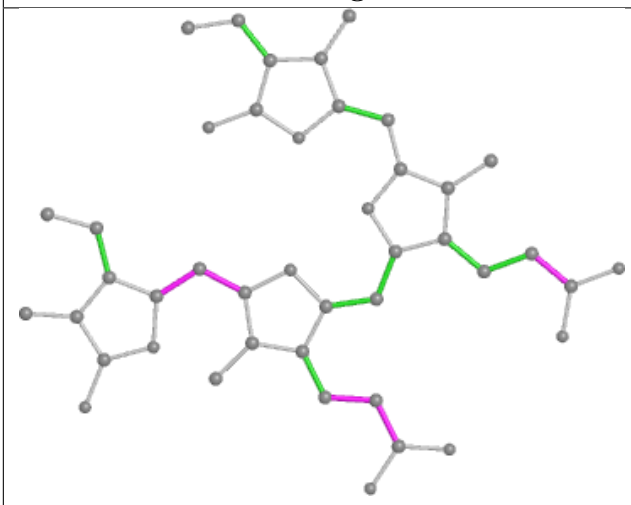

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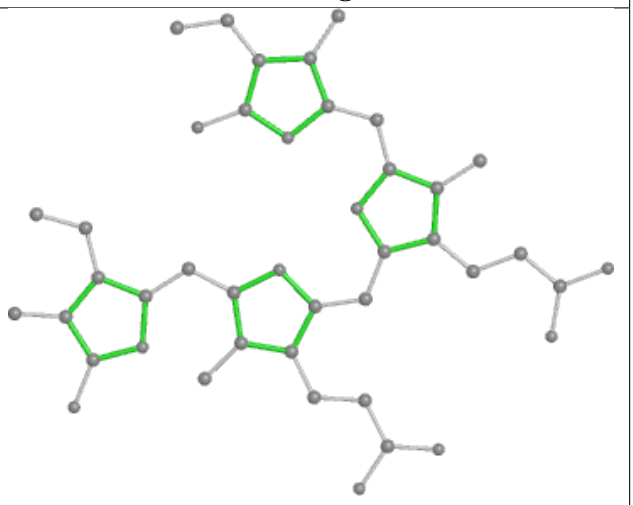
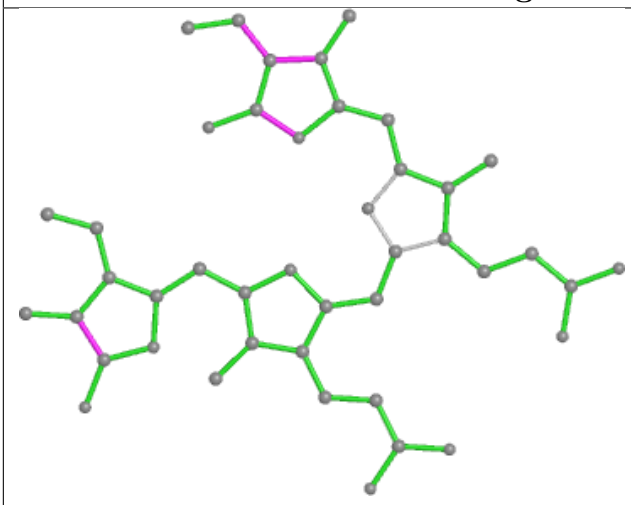


Rings

Ligand PEB V9 201



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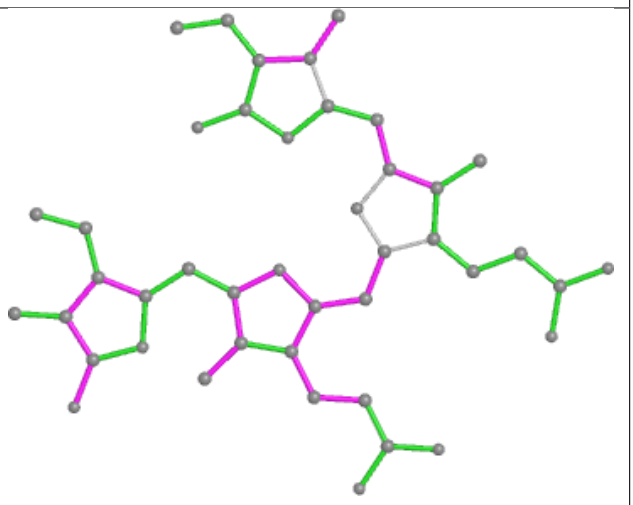

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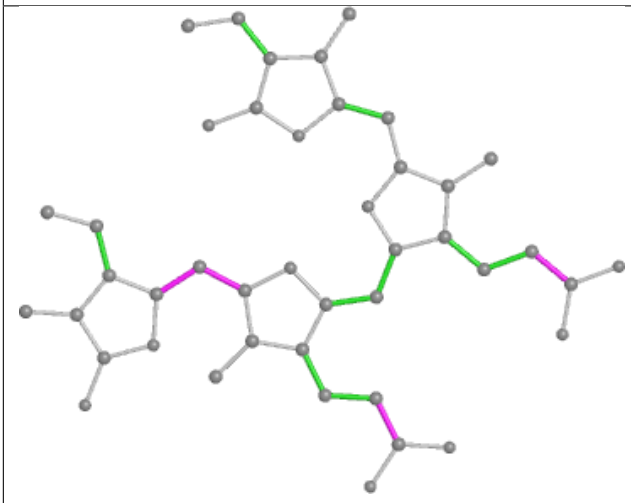

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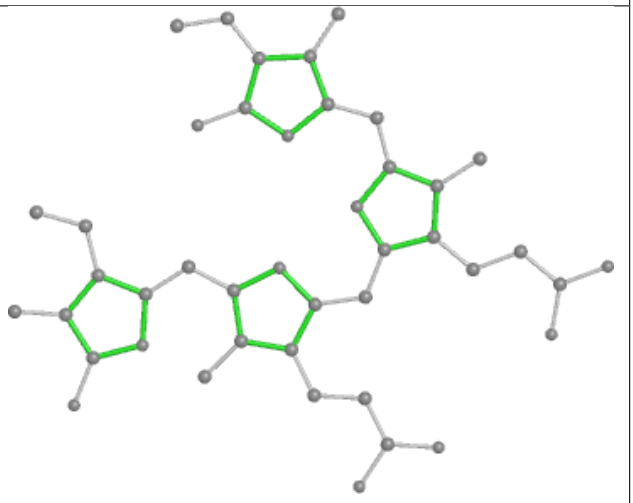
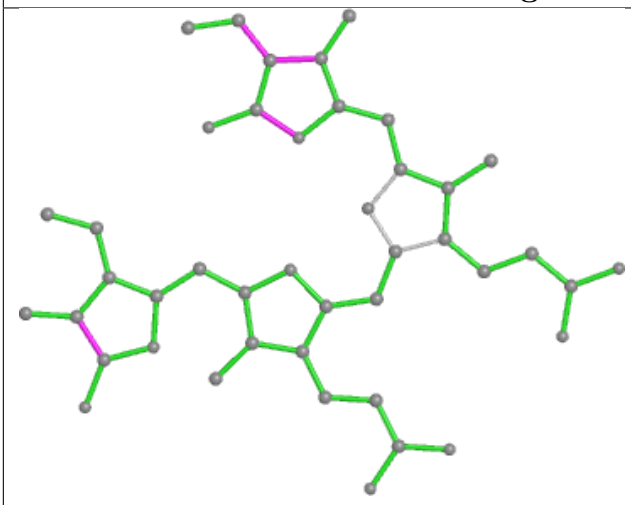


Rings

Ligand PEB z2 201



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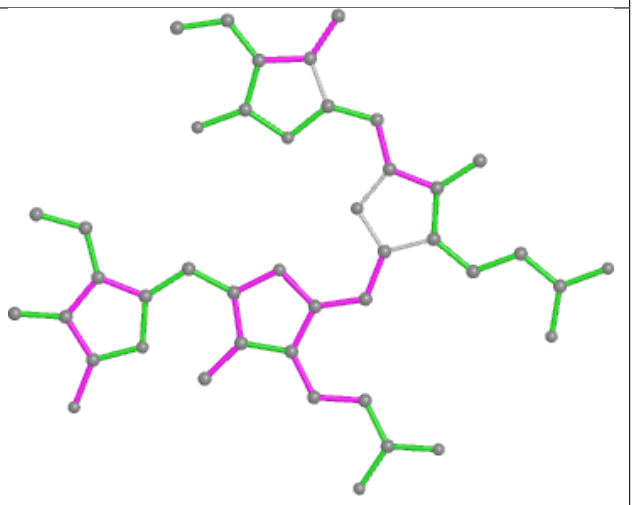

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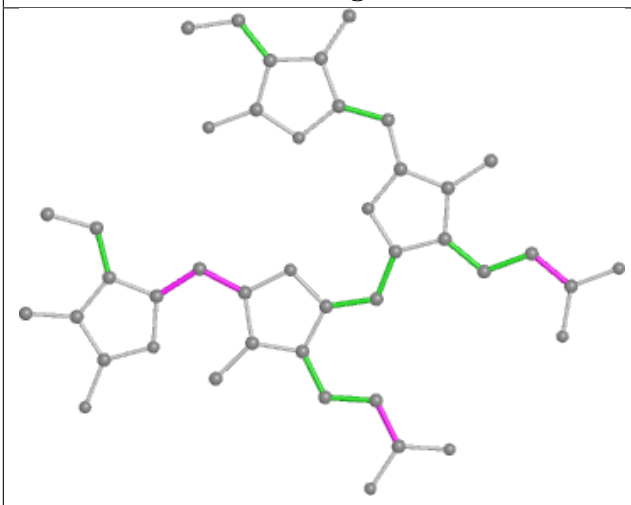

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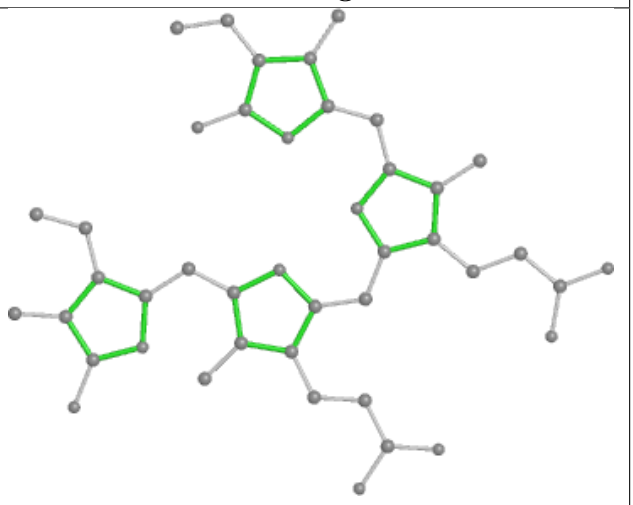
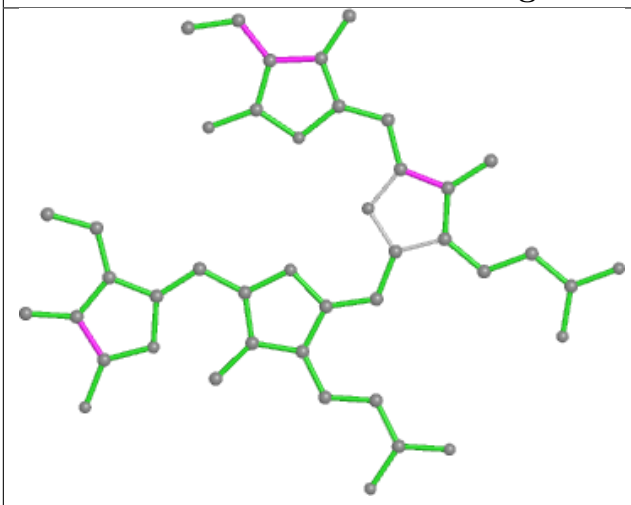


Rings

Ligand PEB p6 202



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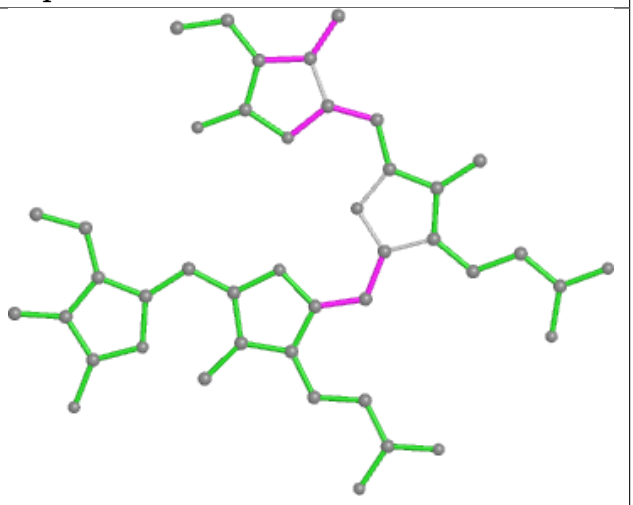

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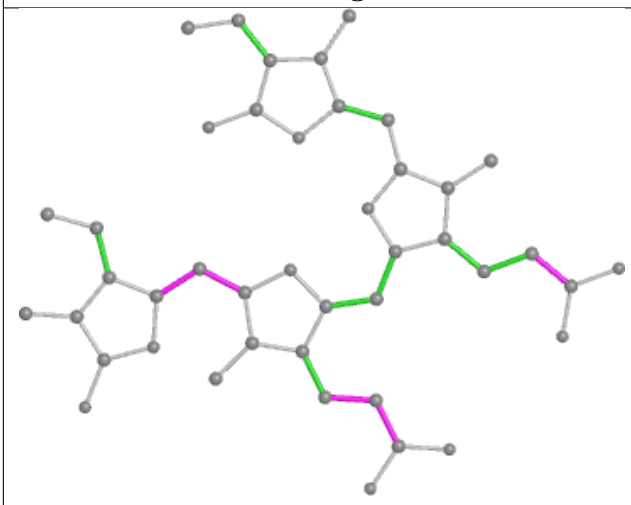

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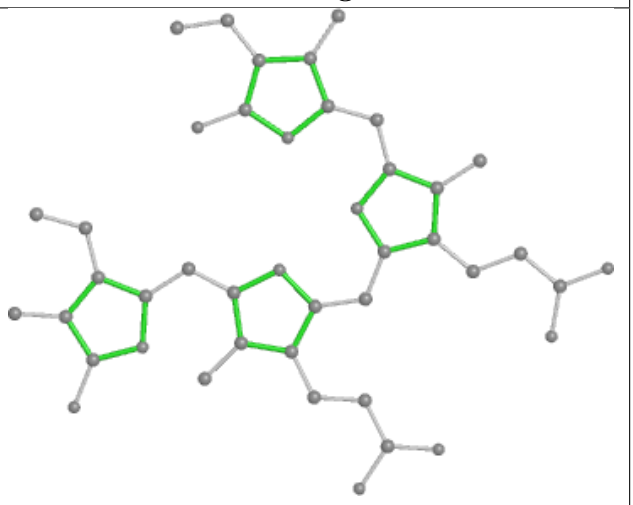
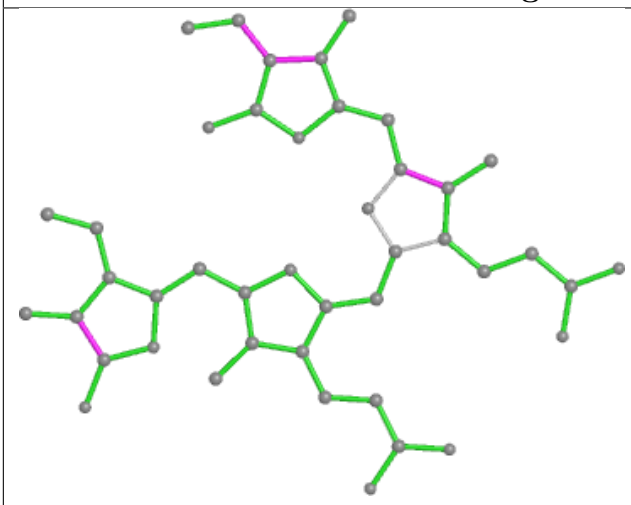


Rings

Ligand PEB s8 202



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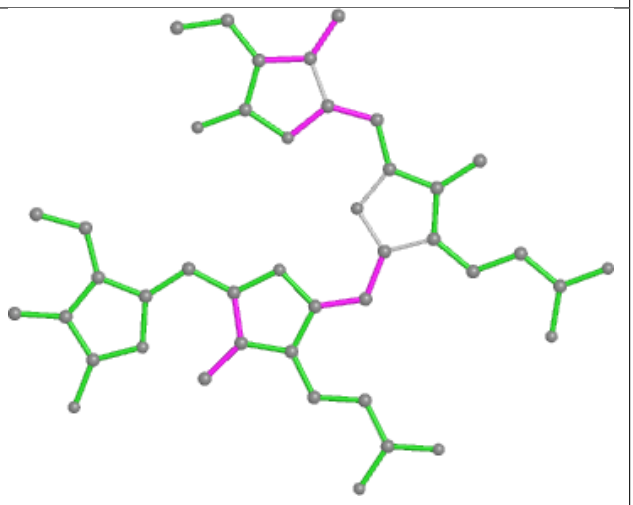

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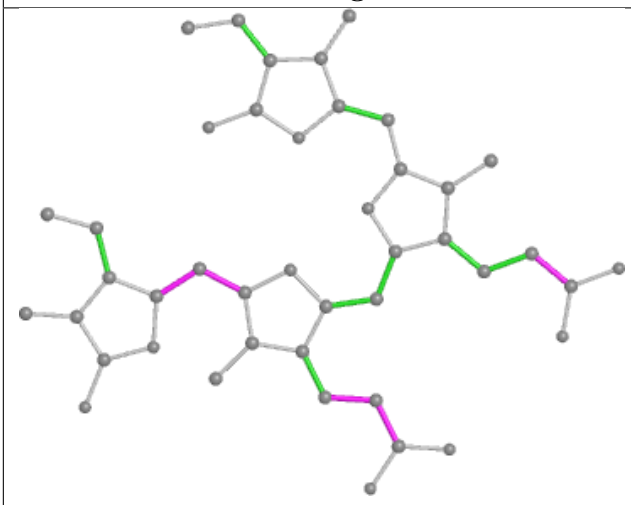

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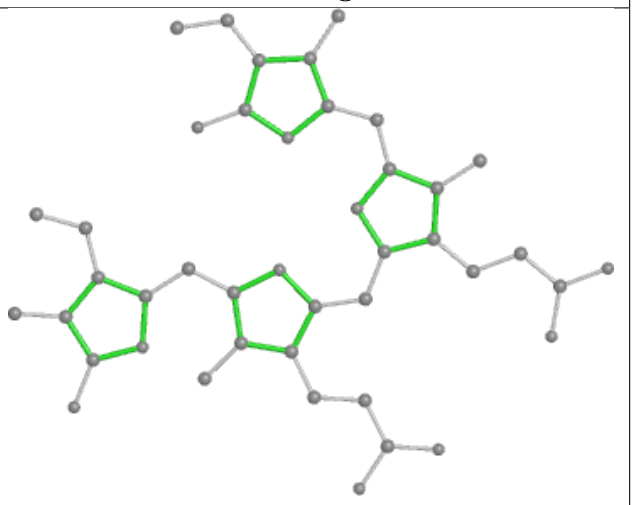
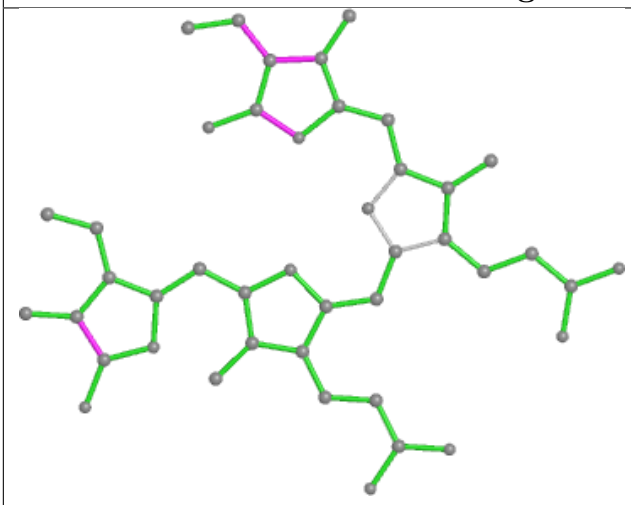


Rings

Ligand PEB Z6 202



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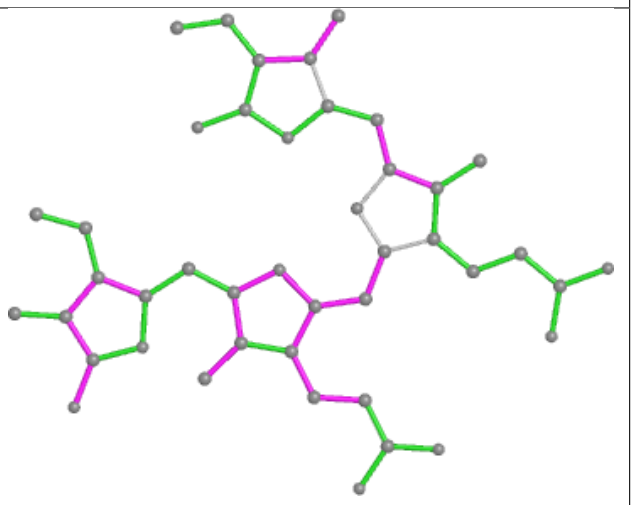

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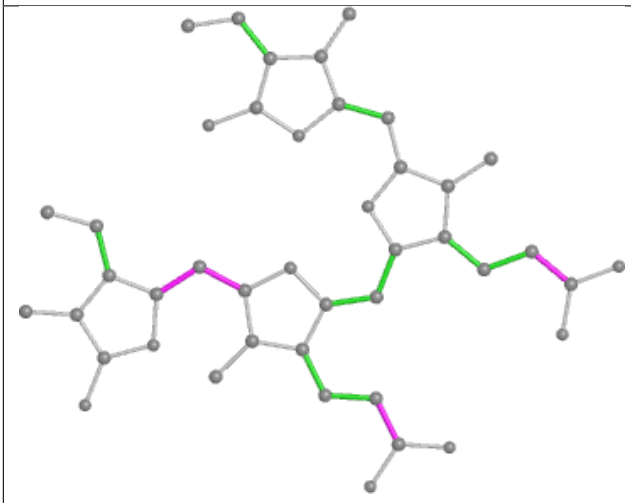

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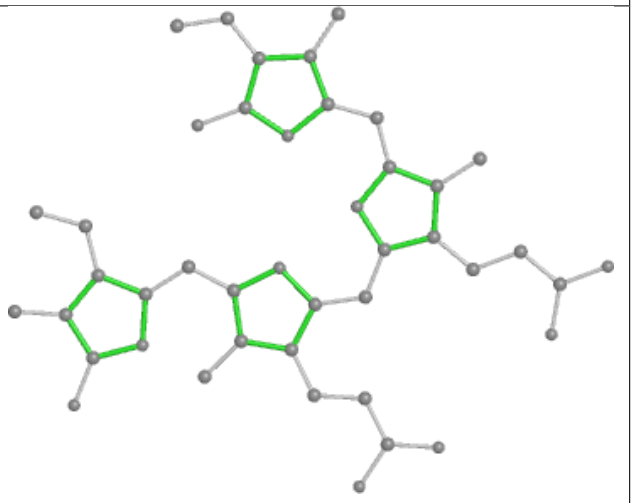
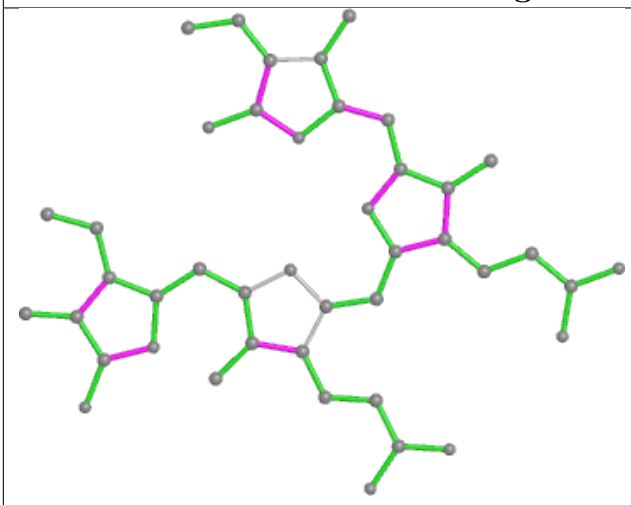


Rings

Ligand PUB B4 203



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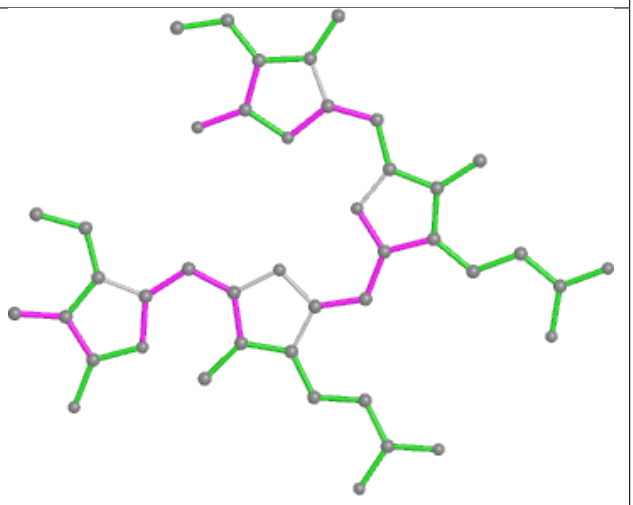

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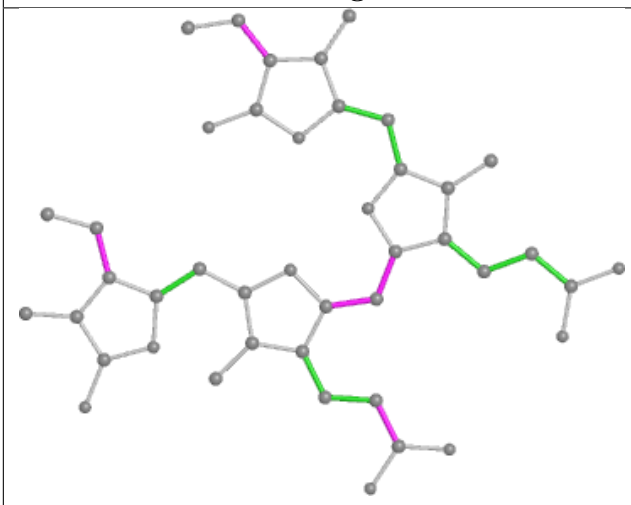

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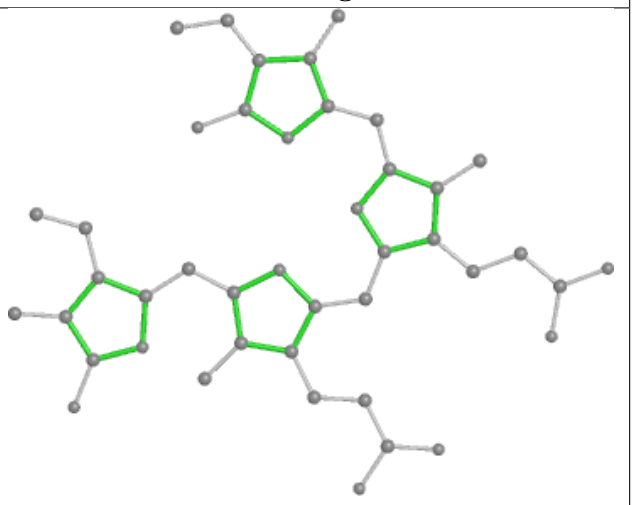
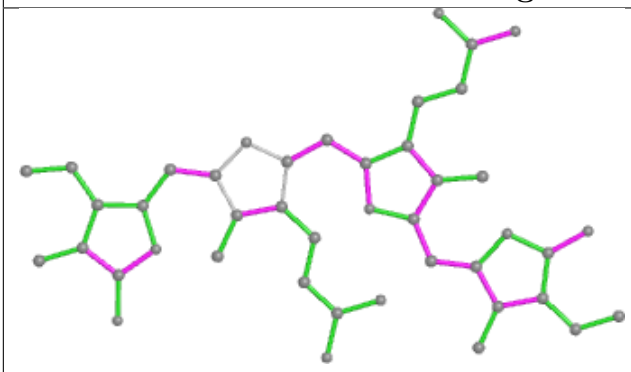


Rings

Ligand CYC k1 201



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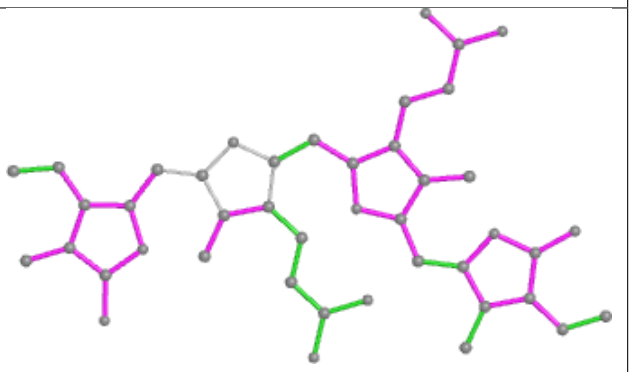

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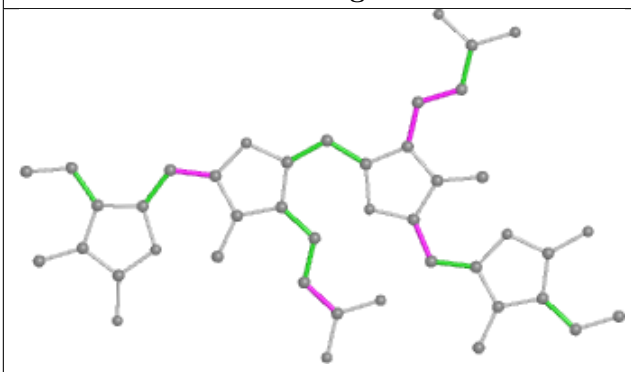

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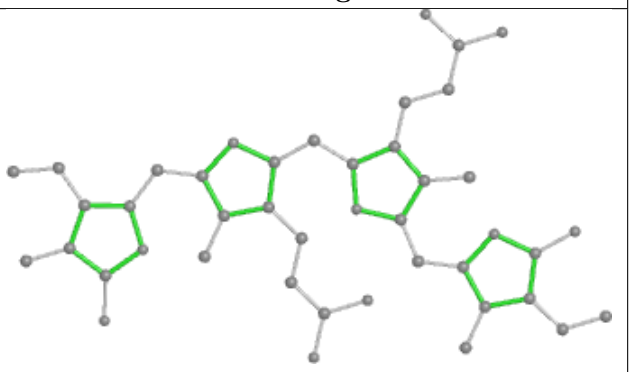

Rings

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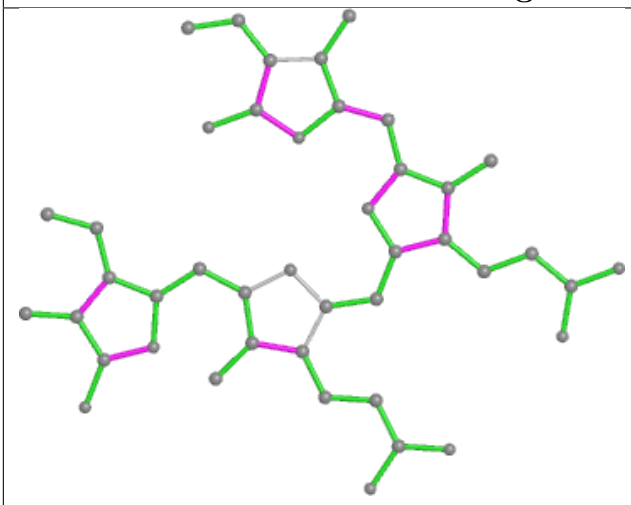

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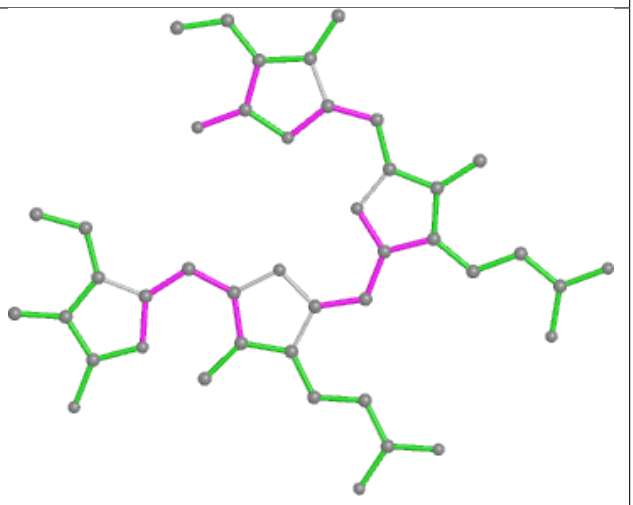

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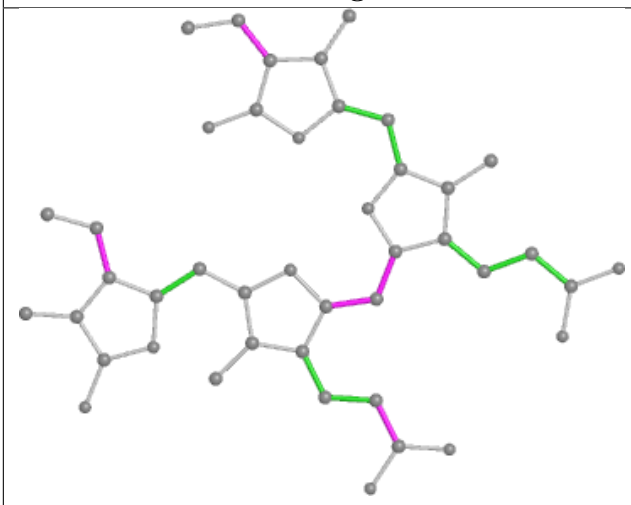

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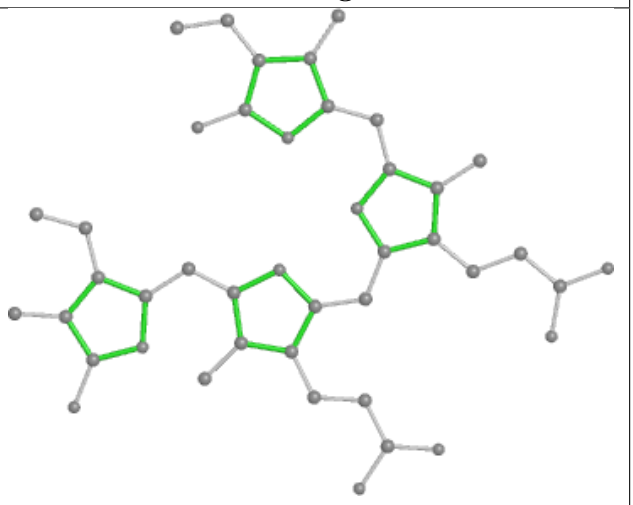
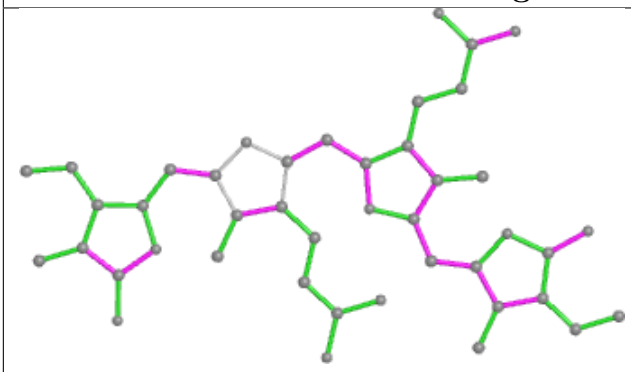


Rings

Ligand CYC O1 201



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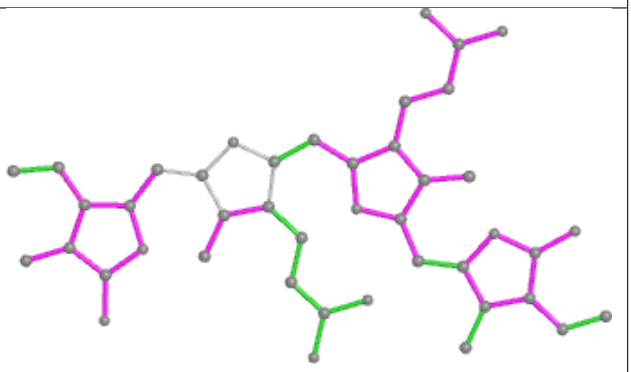

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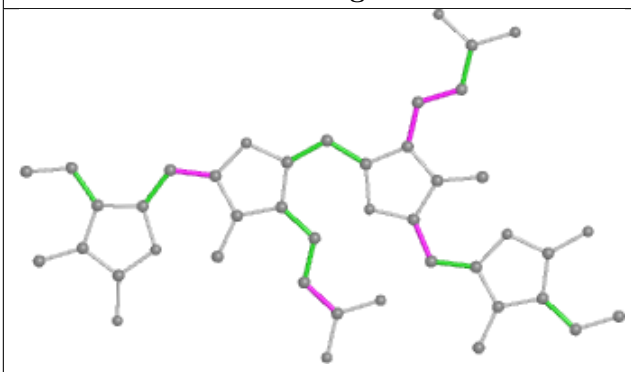

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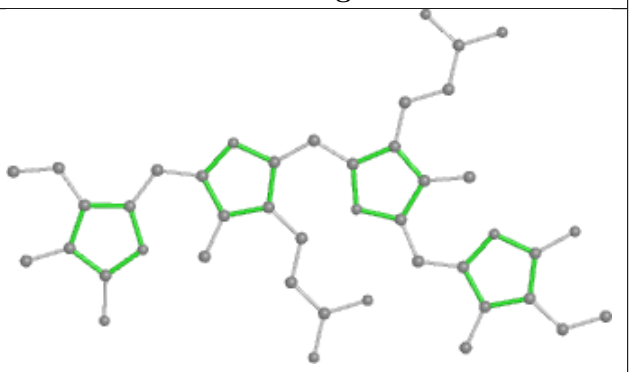

Rings

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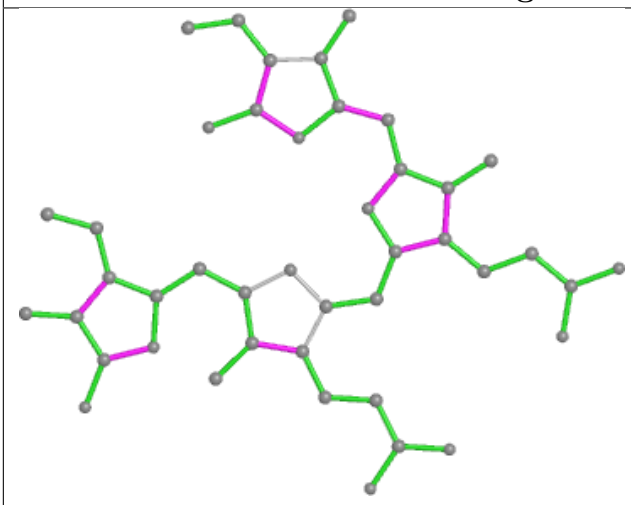

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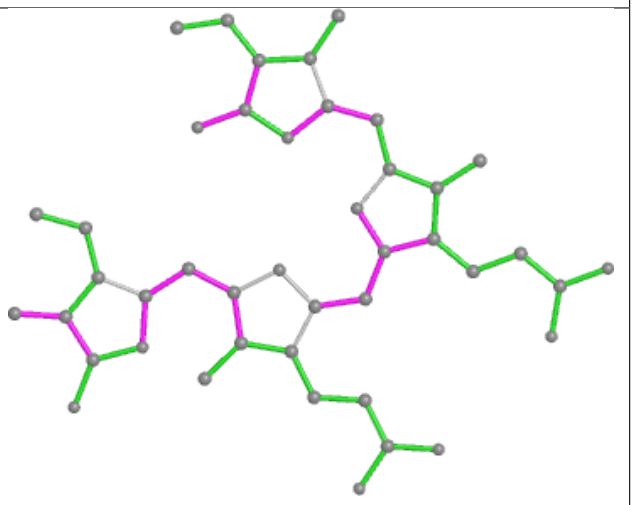

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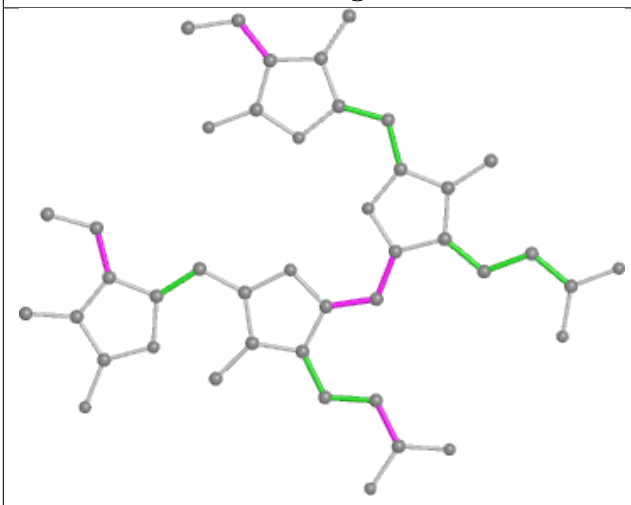

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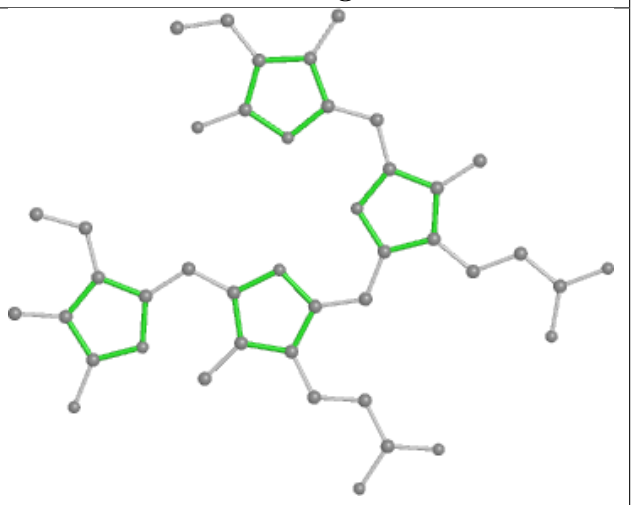
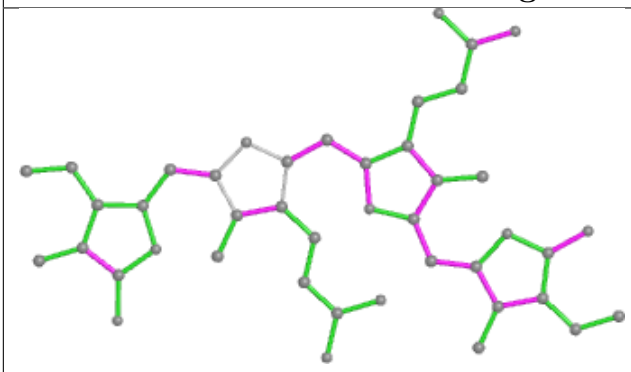


Rings

Ligand CYC s1 201



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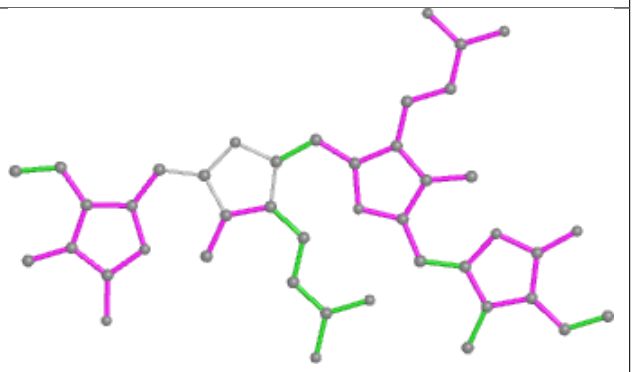

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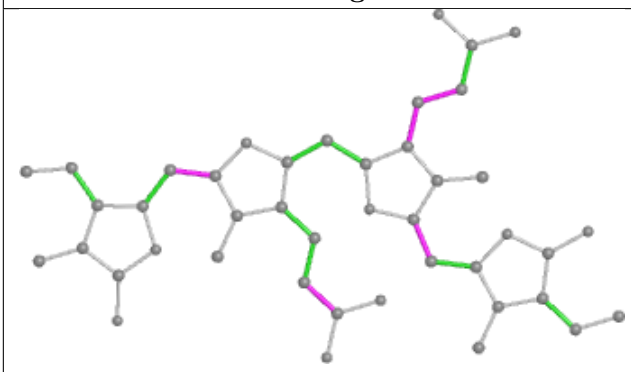

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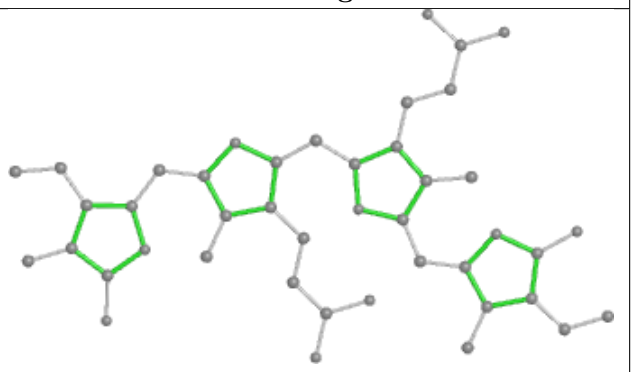
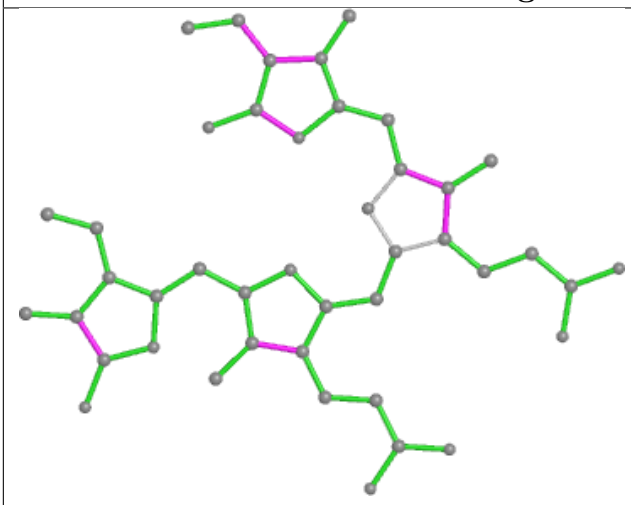
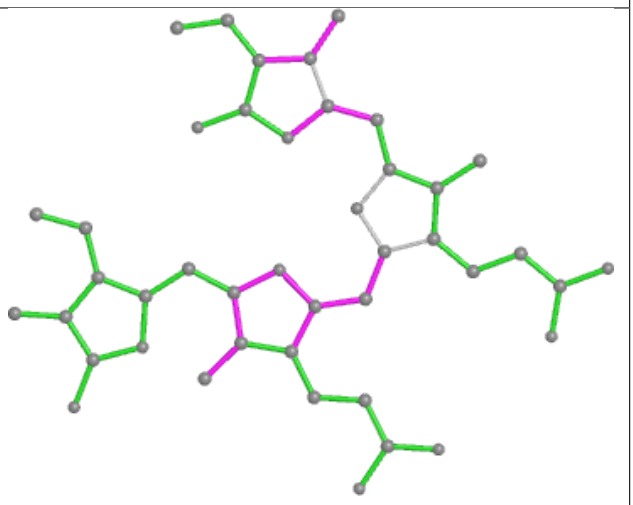


Rings

Ligand PEB Z2 202



Bond lengths



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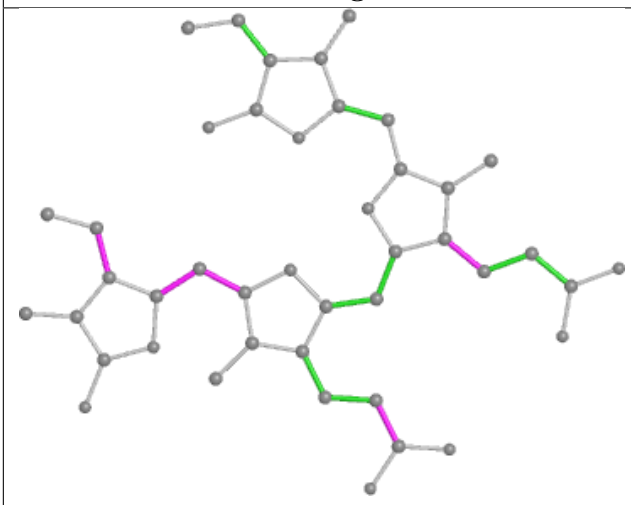
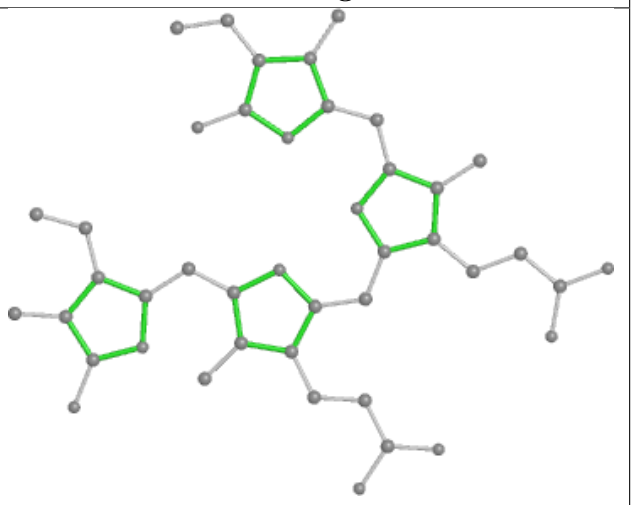
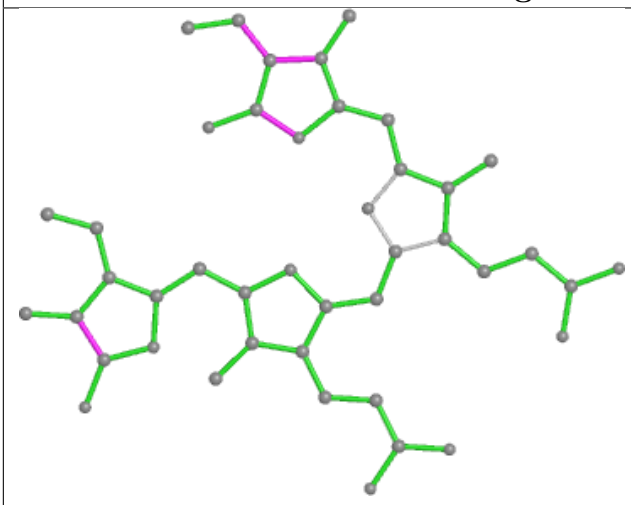


Torsions



Rings

Ligand PEB K2 202



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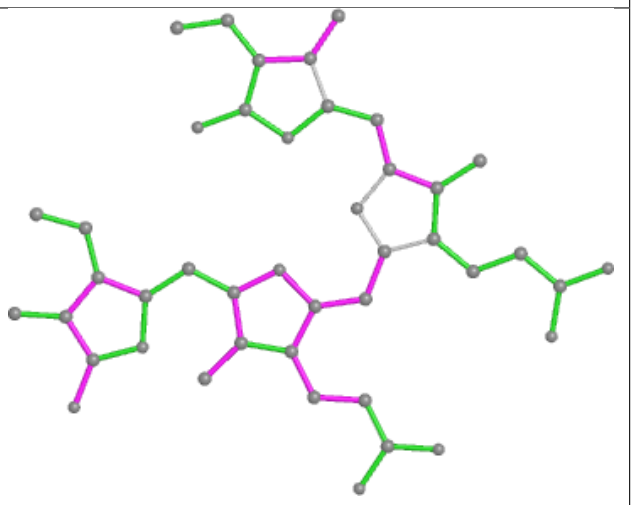

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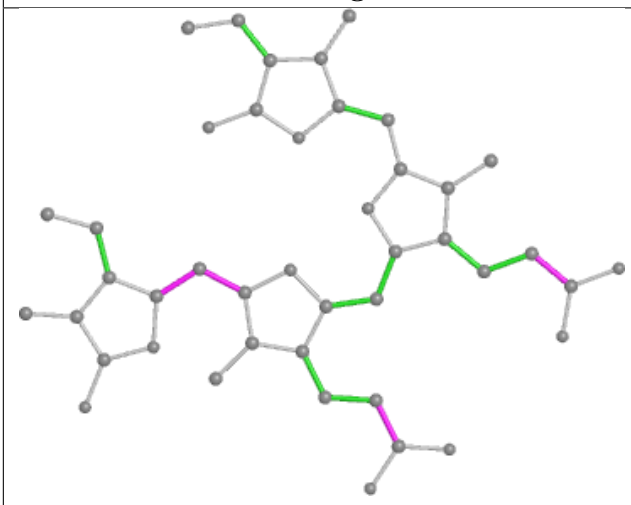

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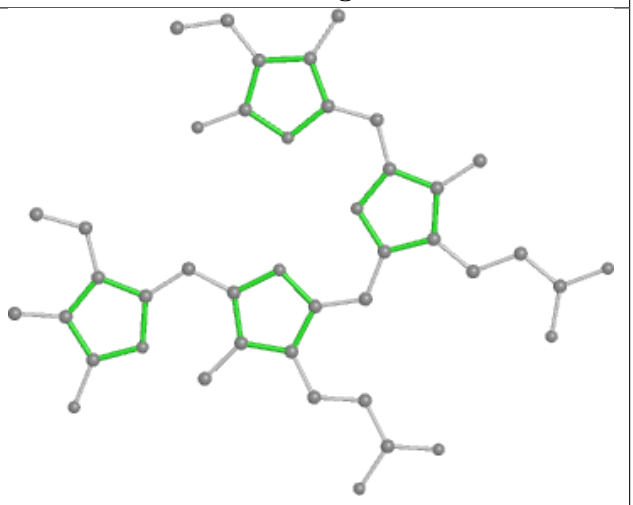
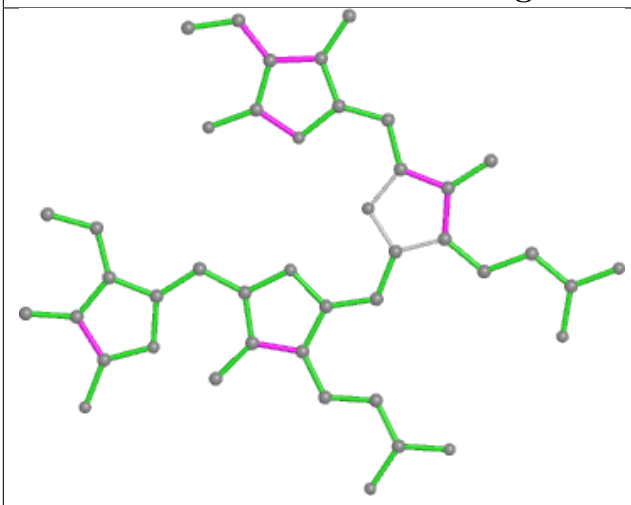


Rings

Ligand PEB D7 202



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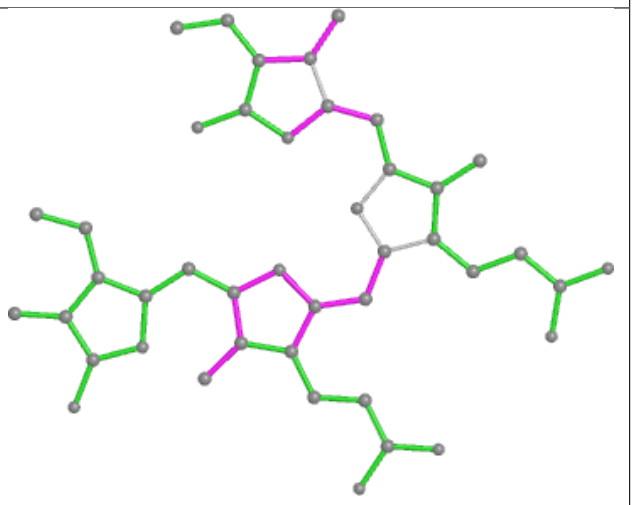

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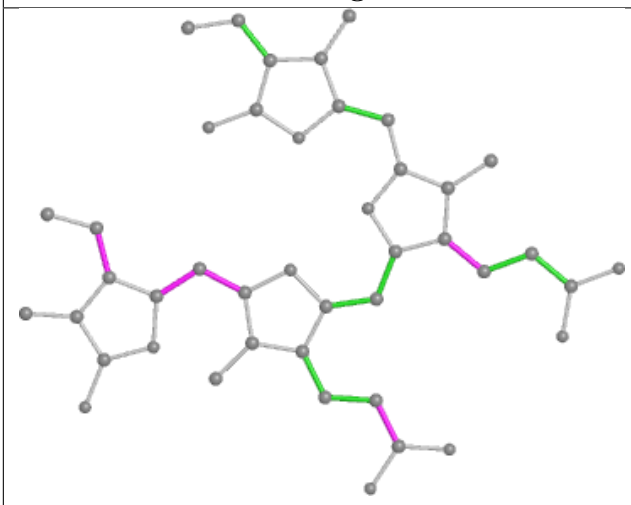

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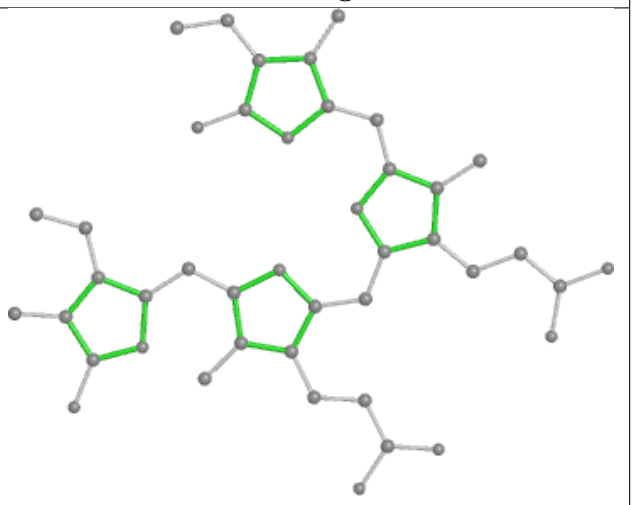
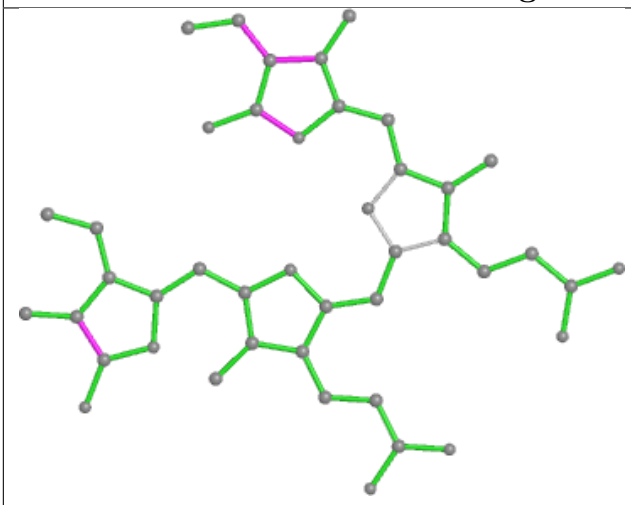


Rings

Ligand PEB ap 201



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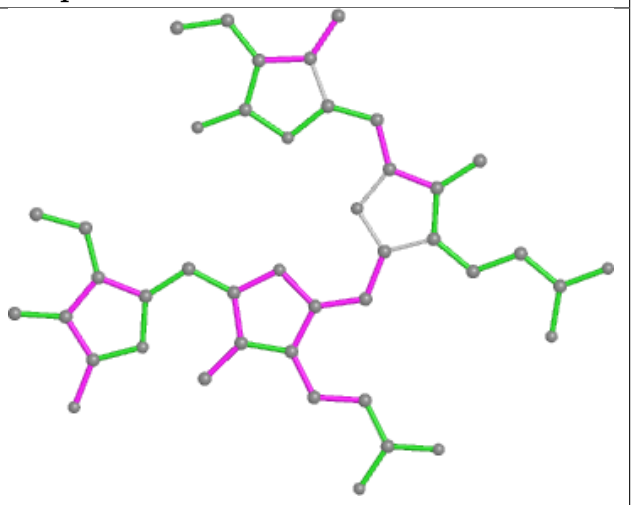

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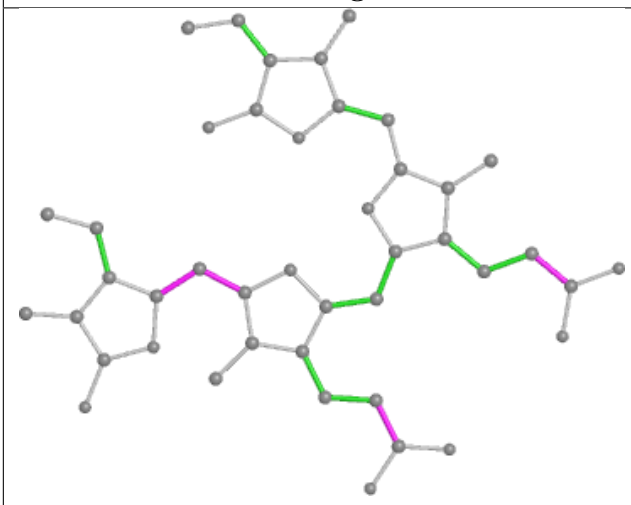

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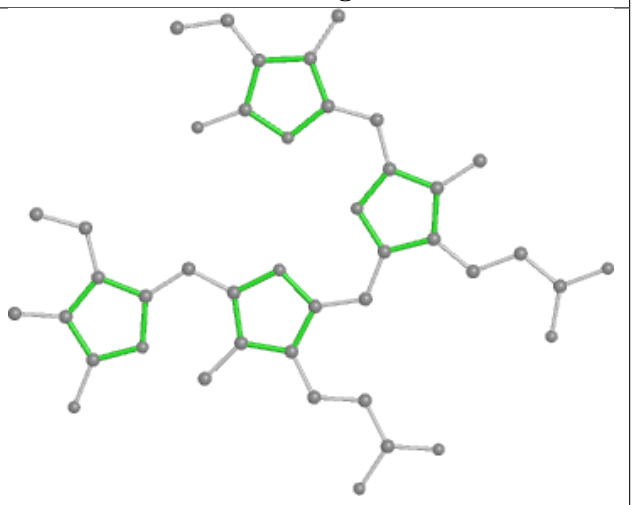
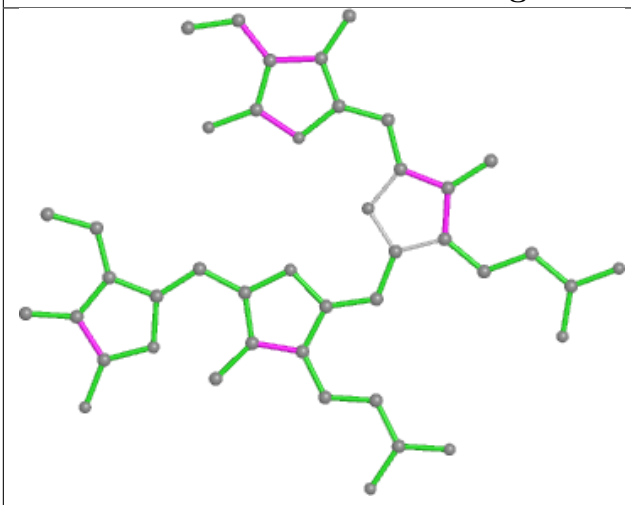


Rings

Ligand PEB jK 1002



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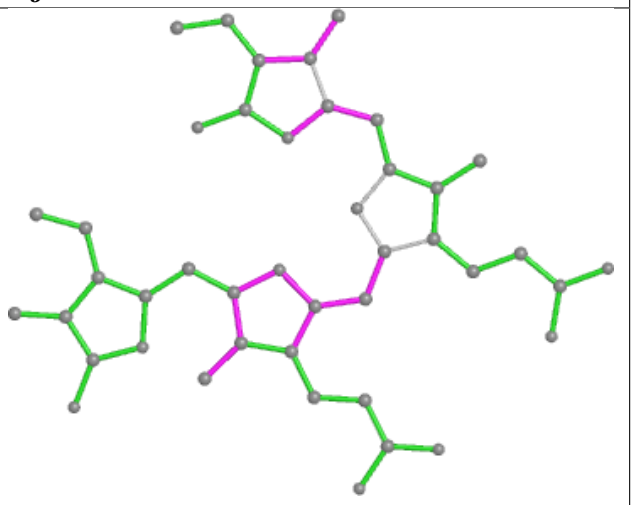

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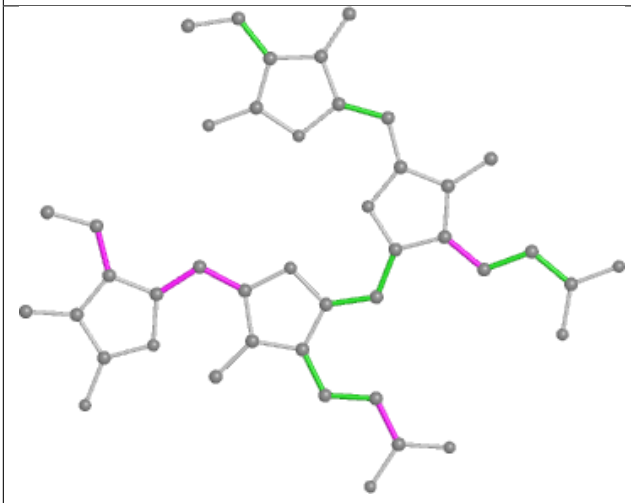

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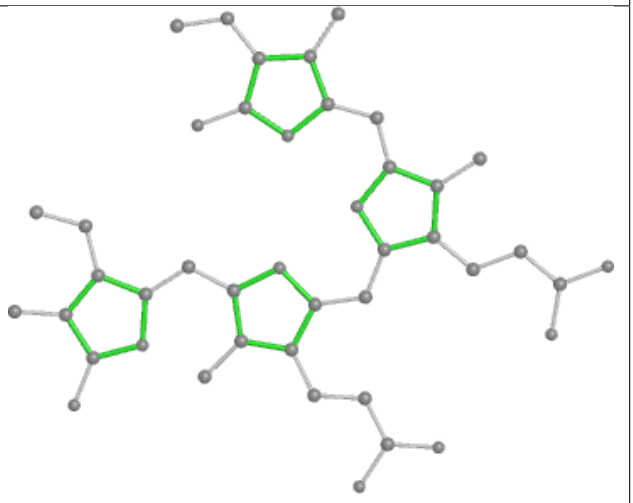

Rings

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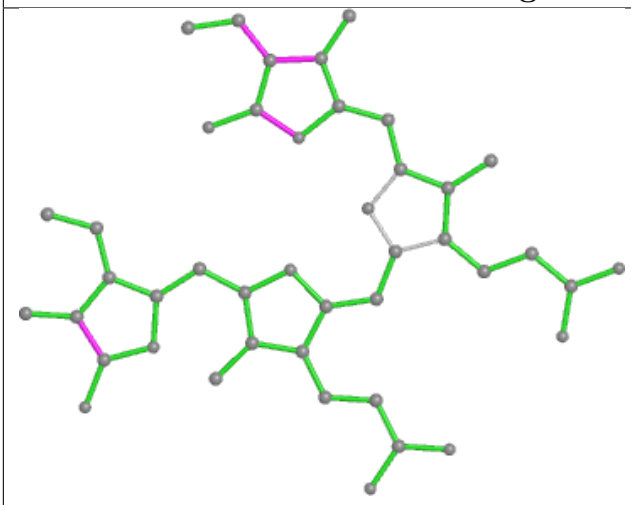

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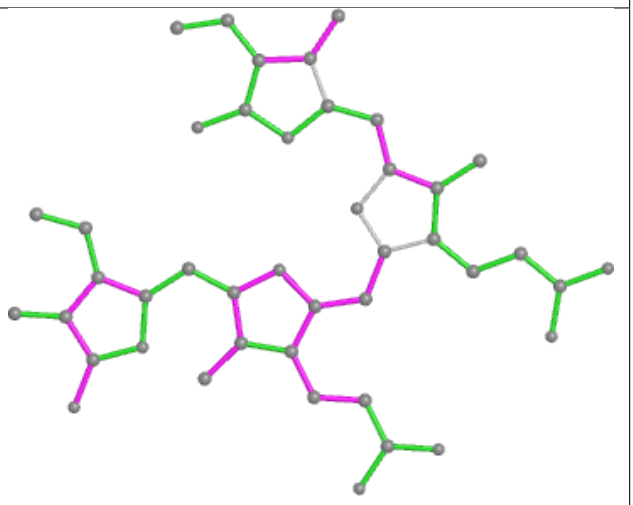

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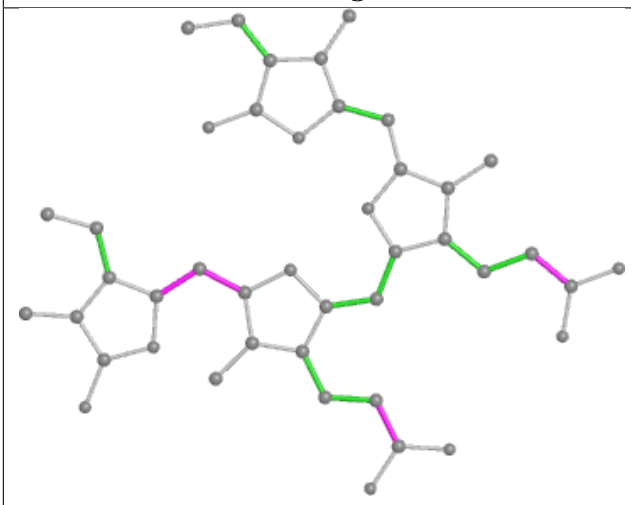

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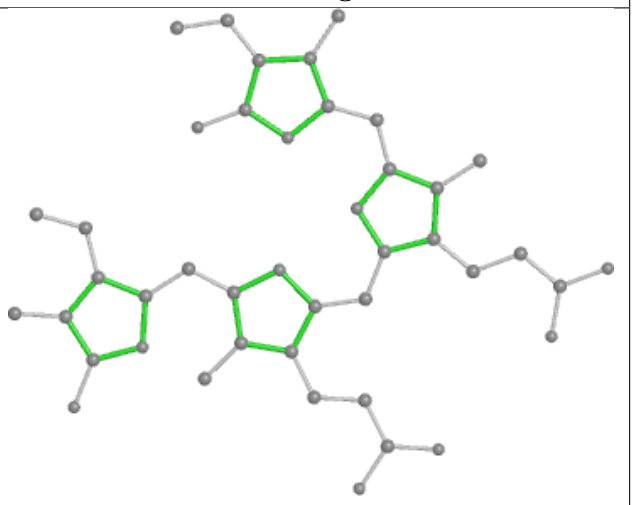

Rings

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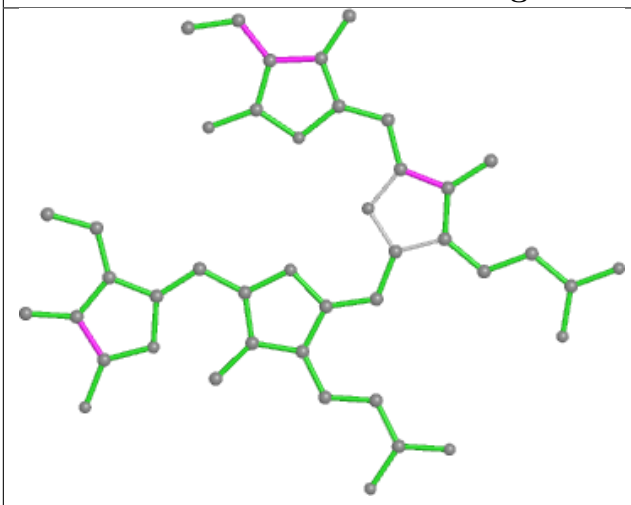

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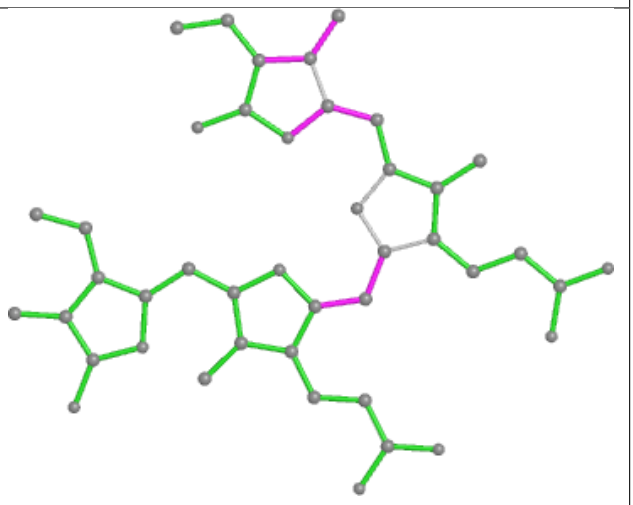

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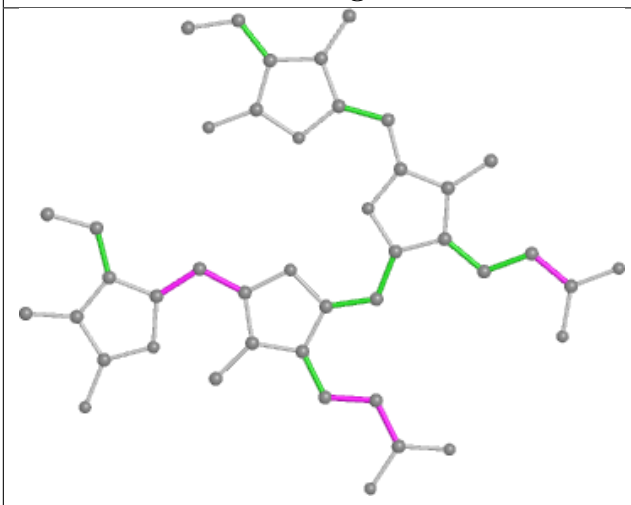

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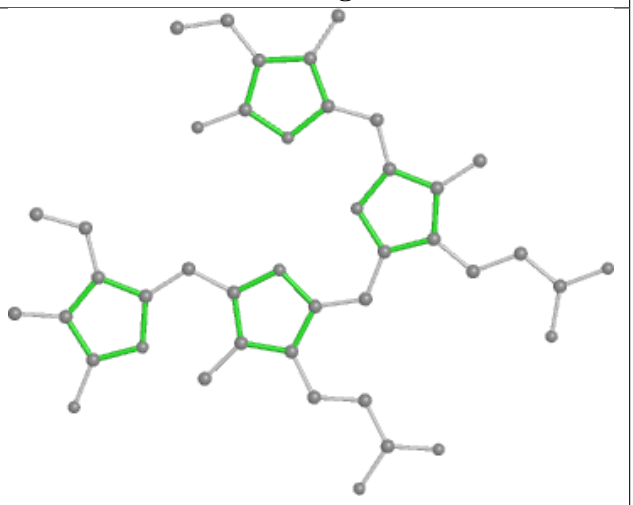
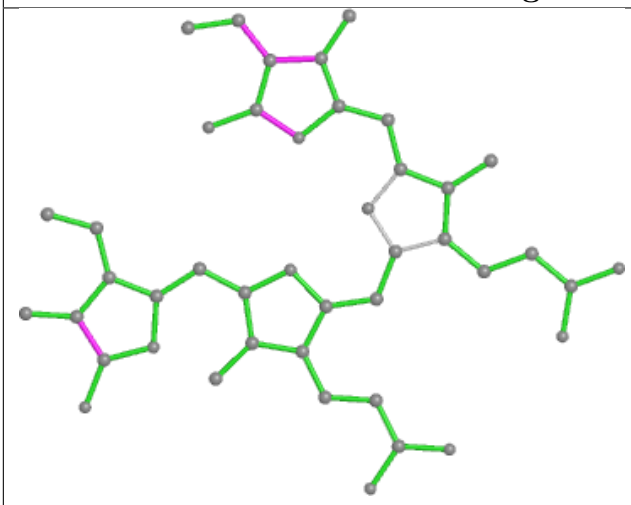


Rings

Ligand PEB fd 301



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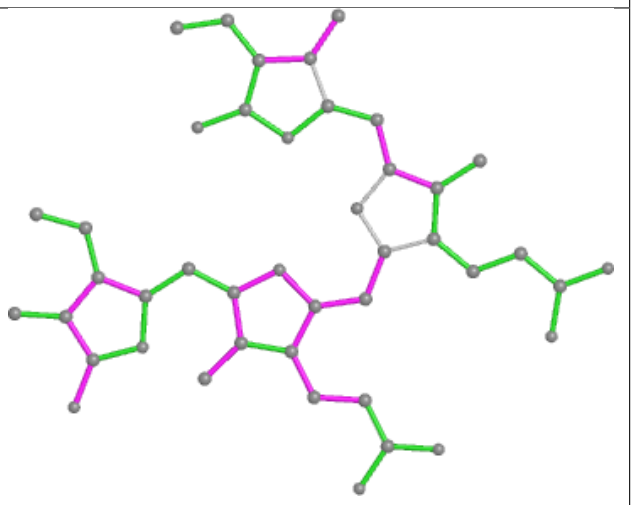

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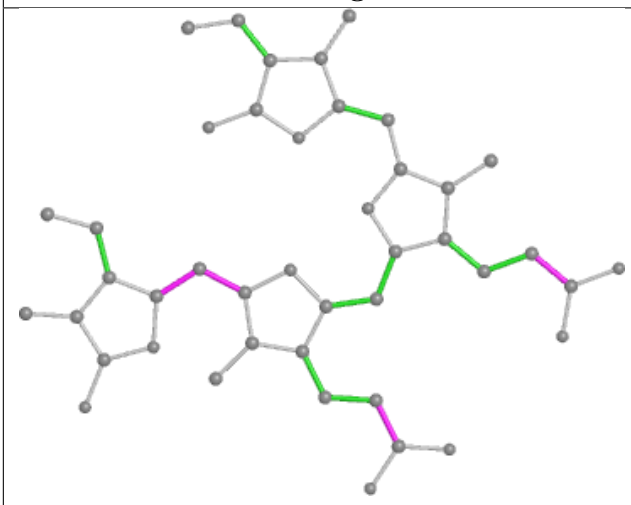

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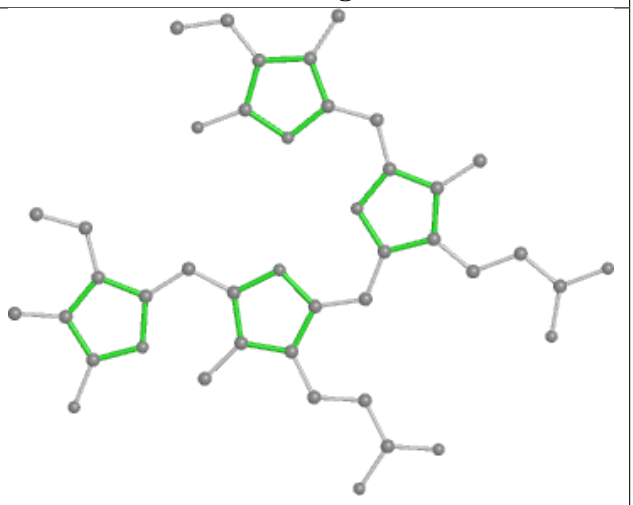
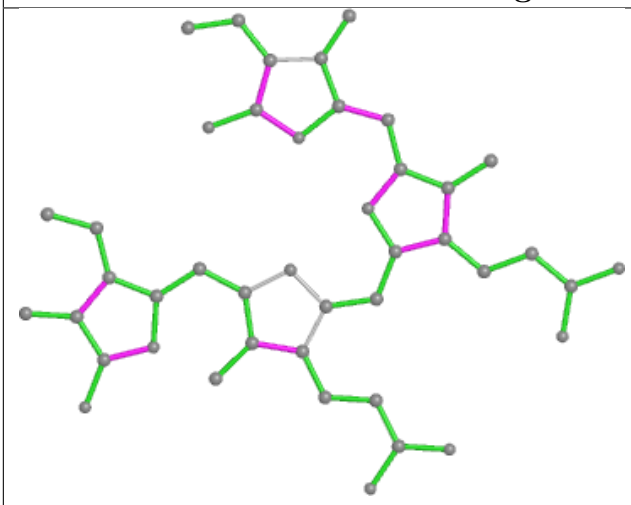


Rings

Ligand PUB P3 203



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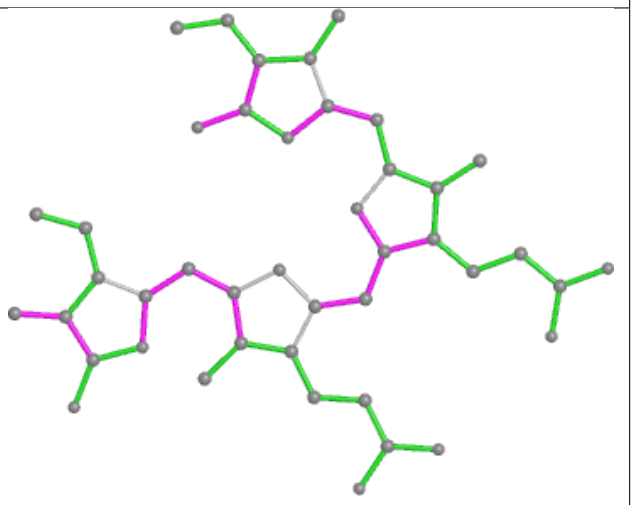
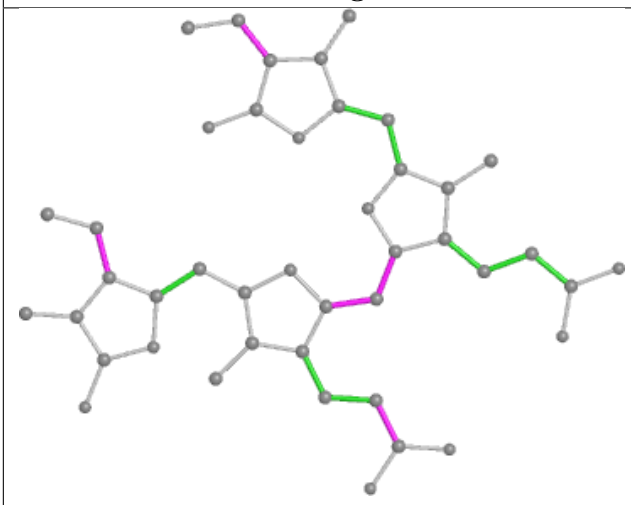


Bond angles



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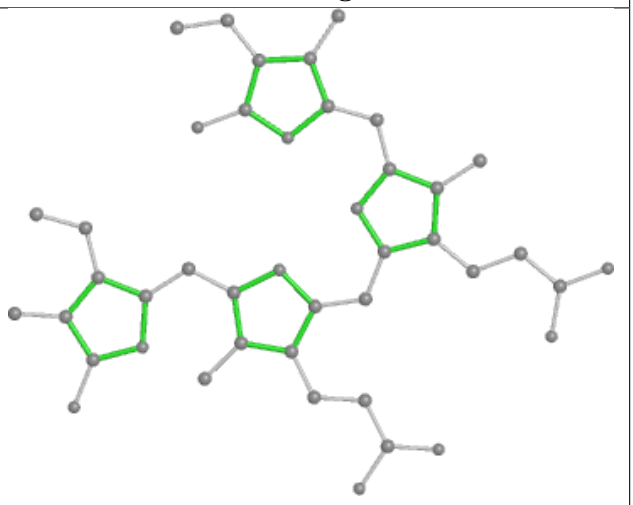
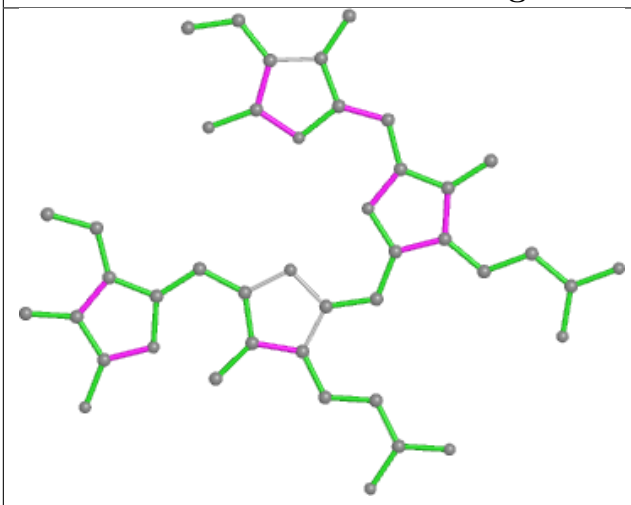


Rings

Ligand PUB 34 1006



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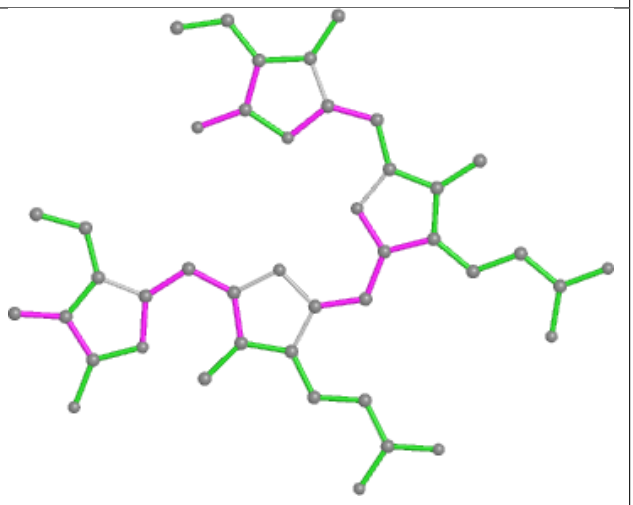

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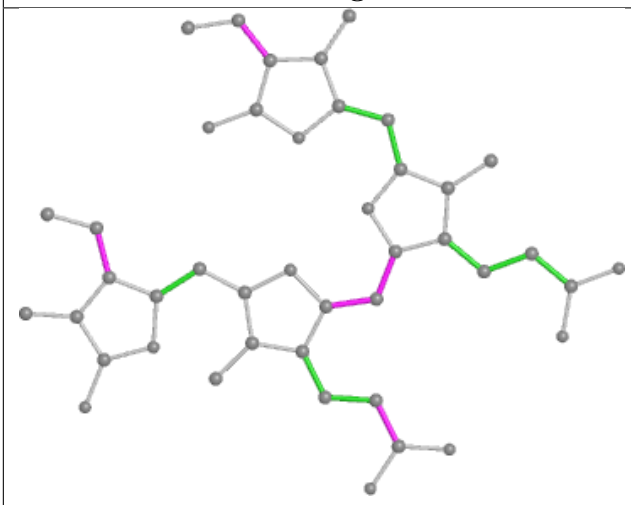

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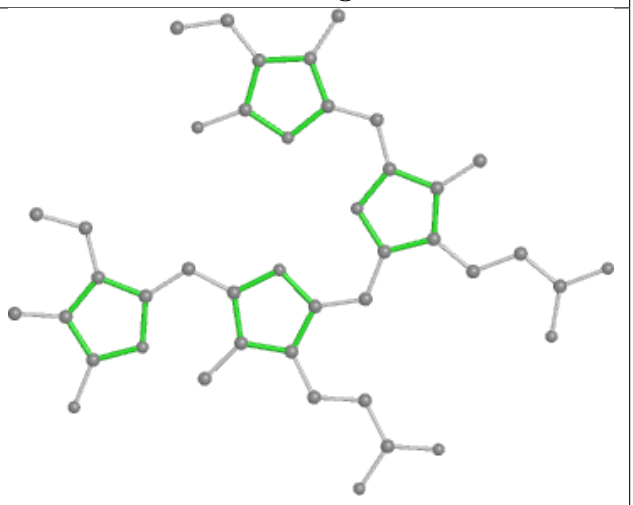
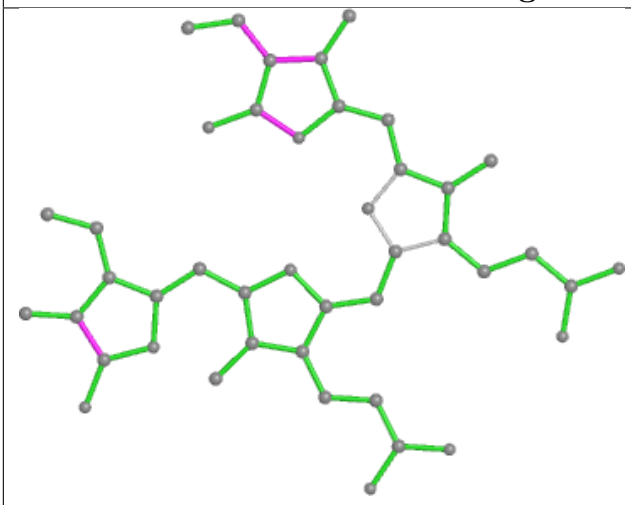


Rings

Ligand PEB u2 202



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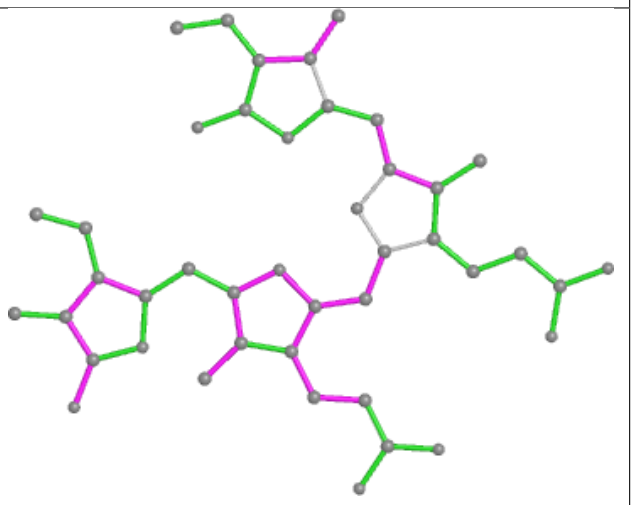

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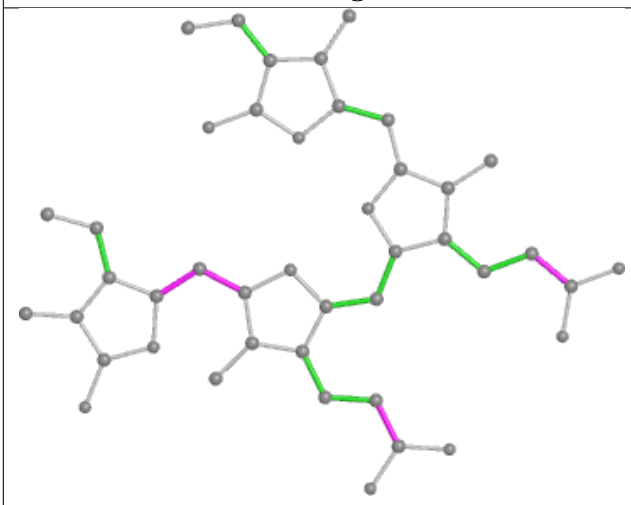

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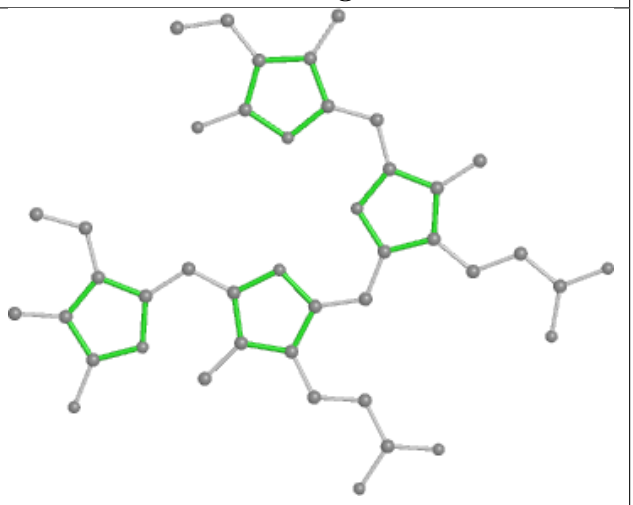
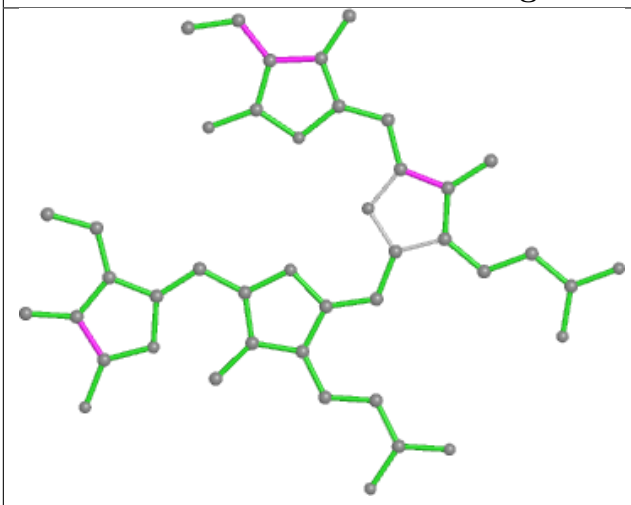


Rings

Ligand PEB eu 202



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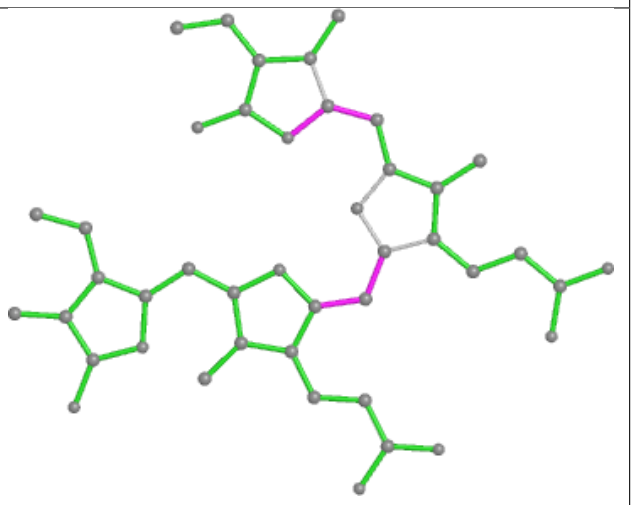

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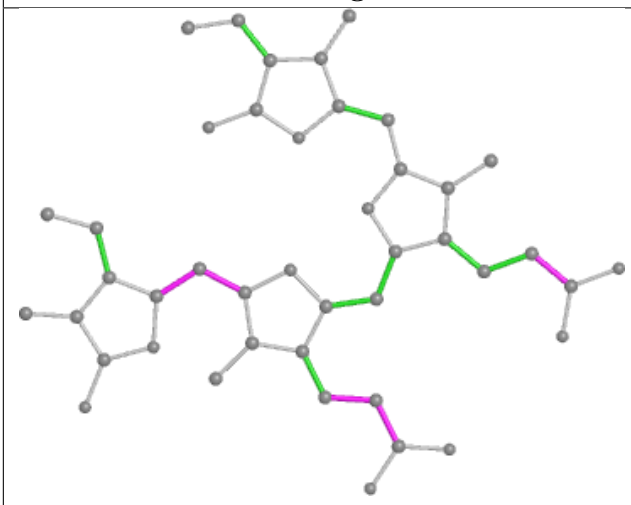

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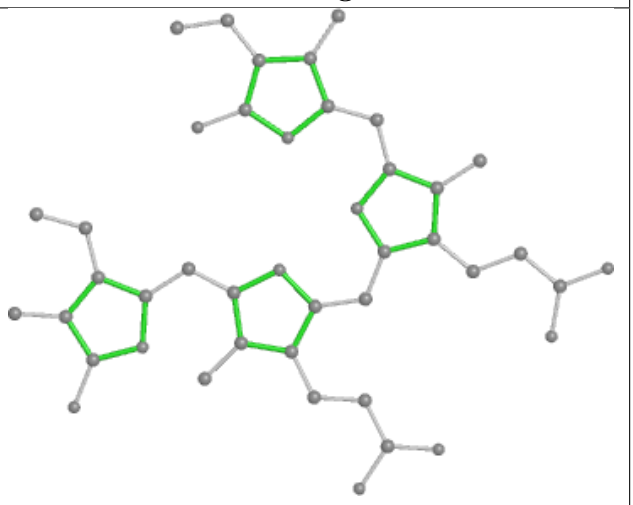
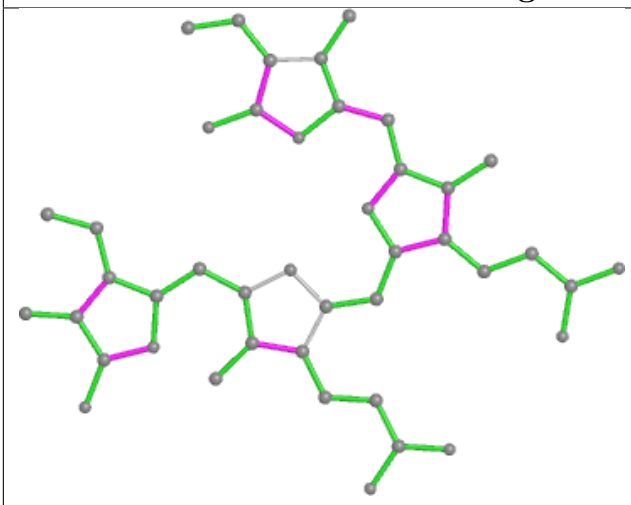


Rings

Ligand PUB av 203



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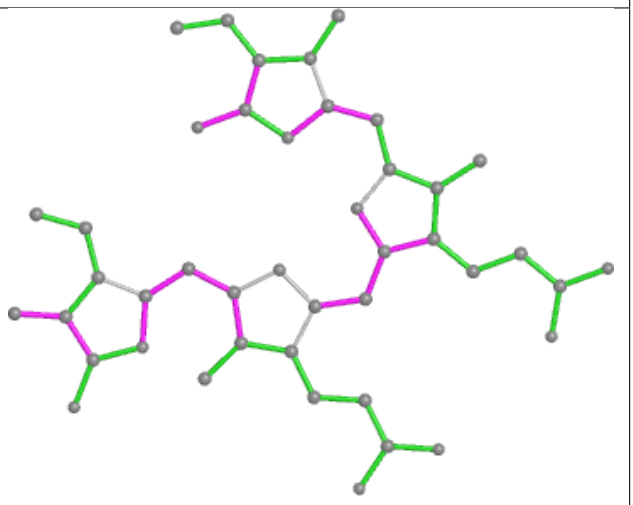
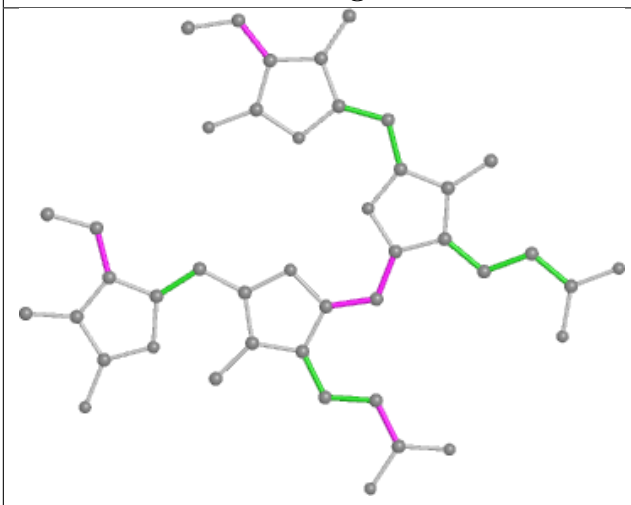


Bond angles



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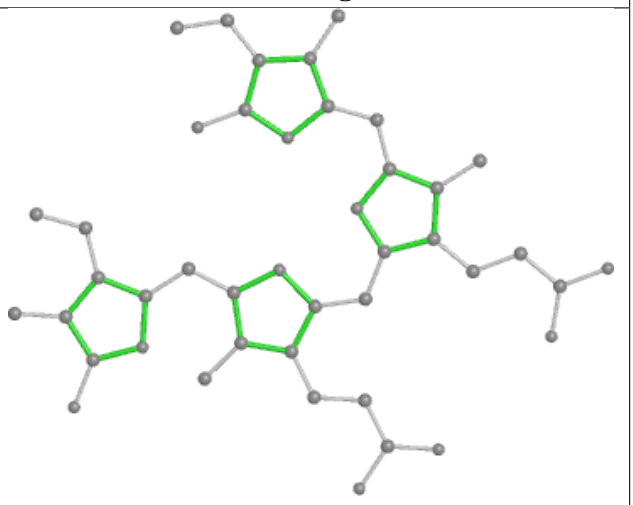
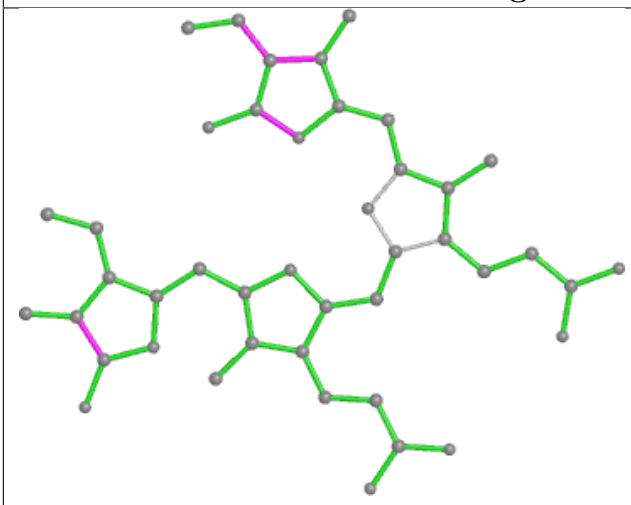


Rings

Ligand PEB b4 1001



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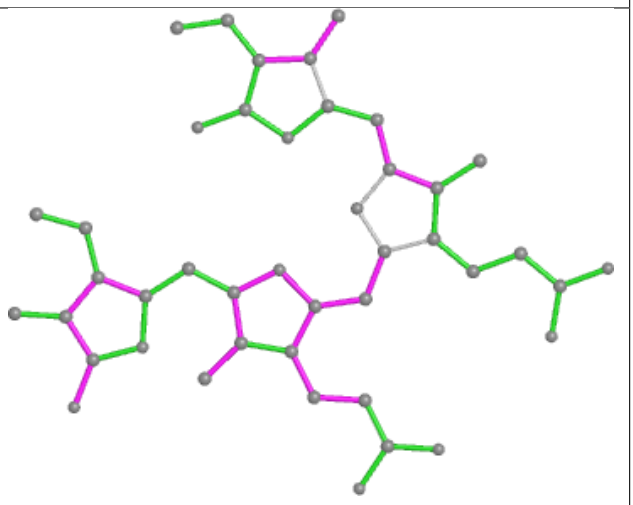
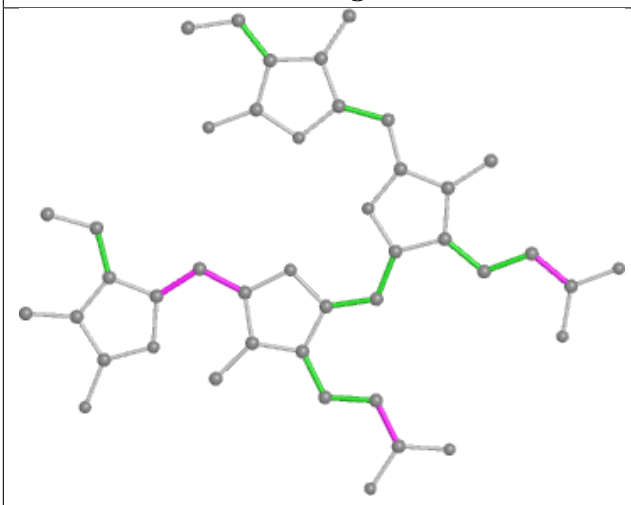
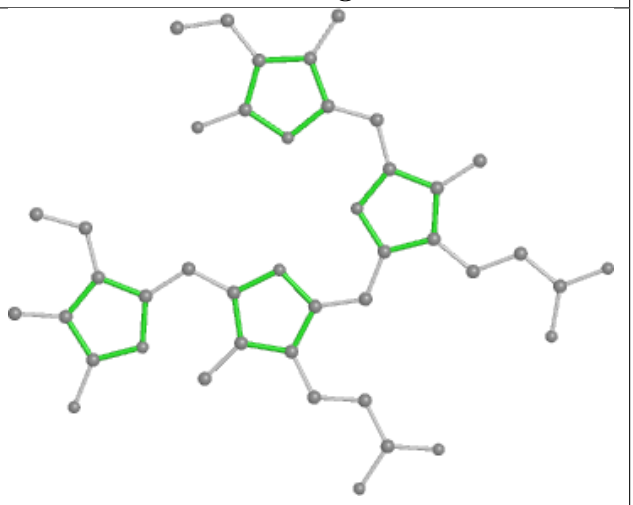


Bond angles

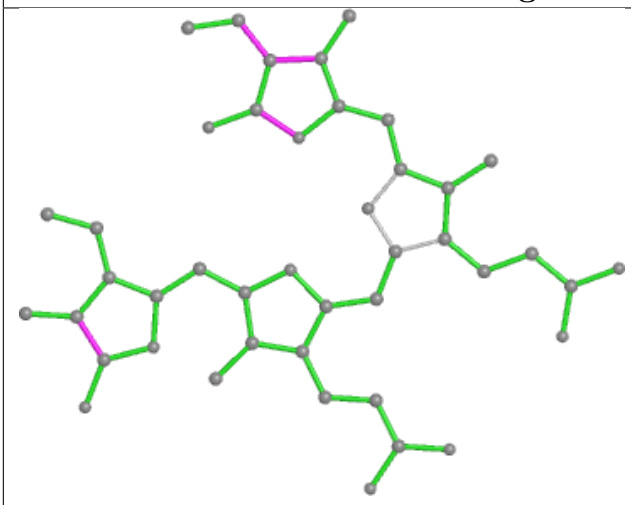


Torsions



Rings

Ligand PEB d4 201



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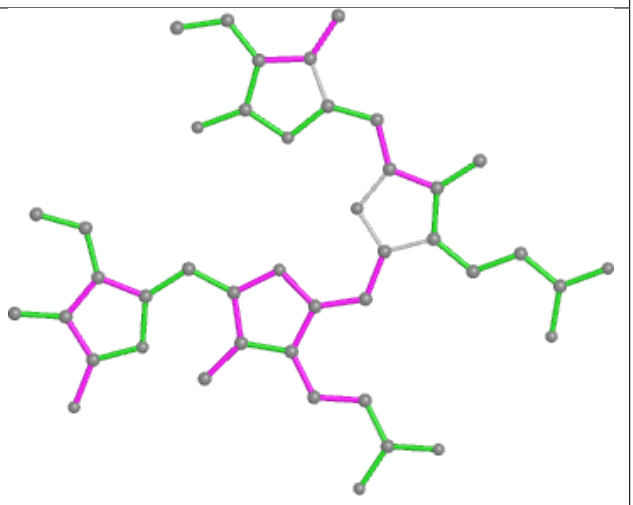

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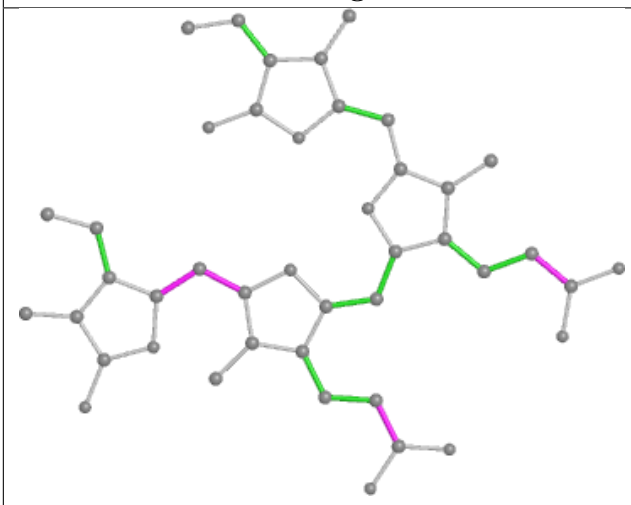

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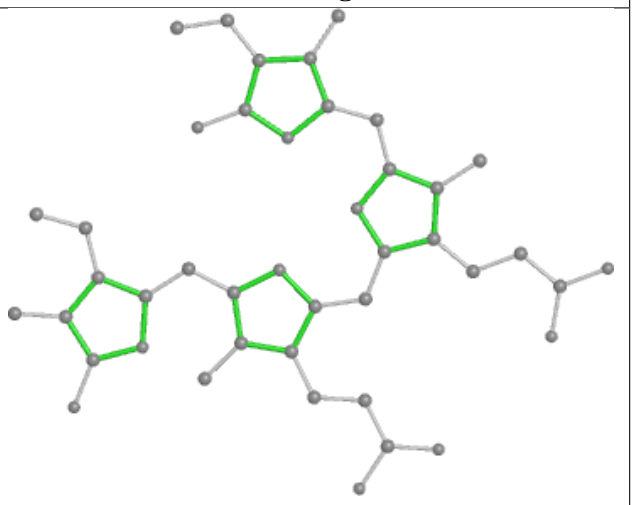
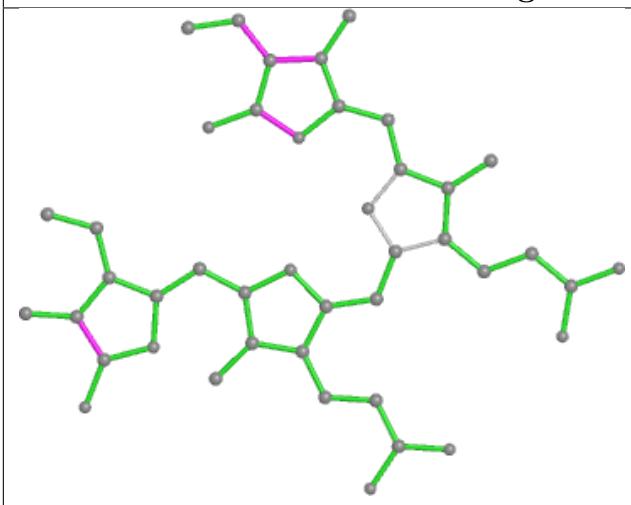


Rings

Ligand PEB hS 201



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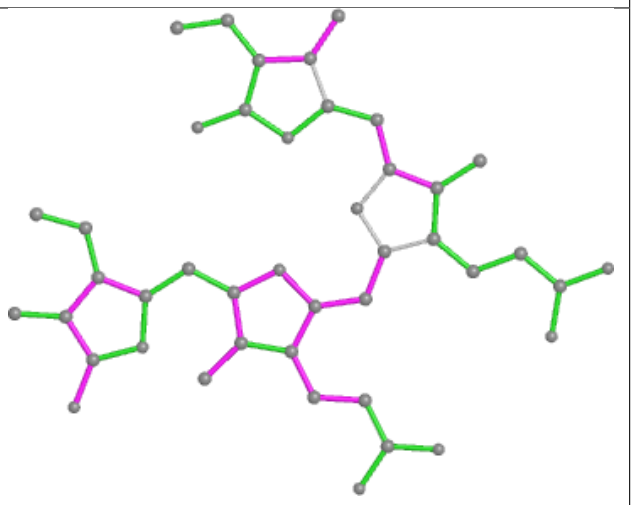

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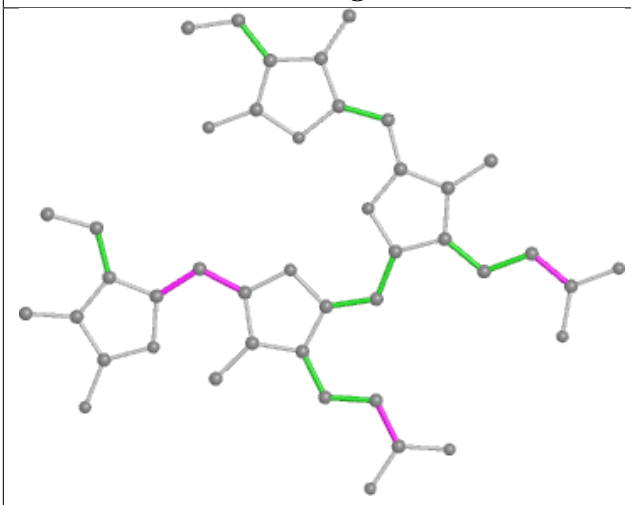

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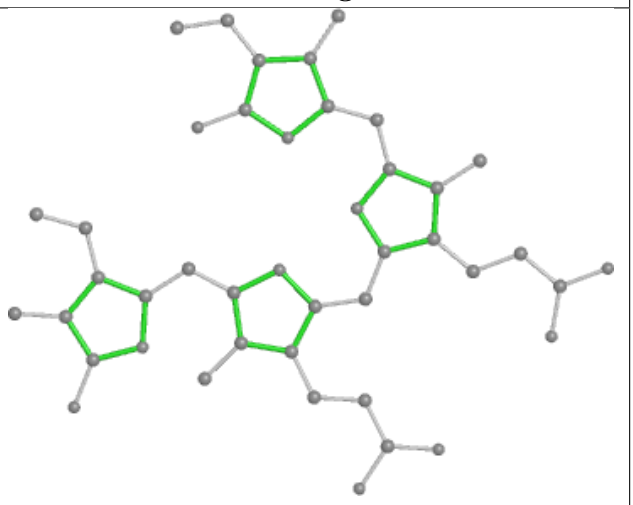
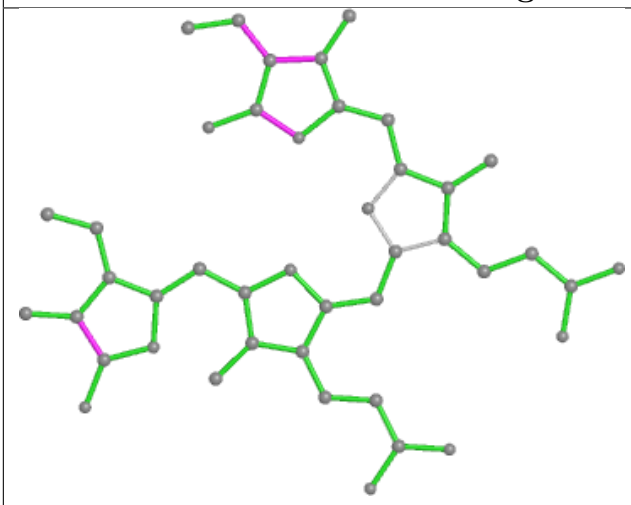


Rings

Ligand PEB eT 201



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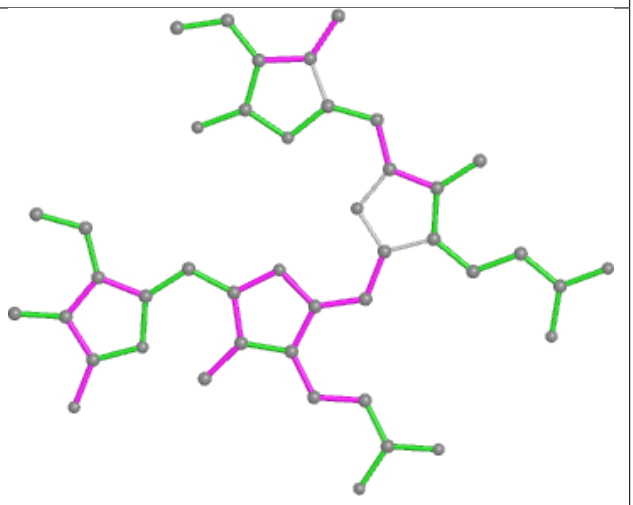
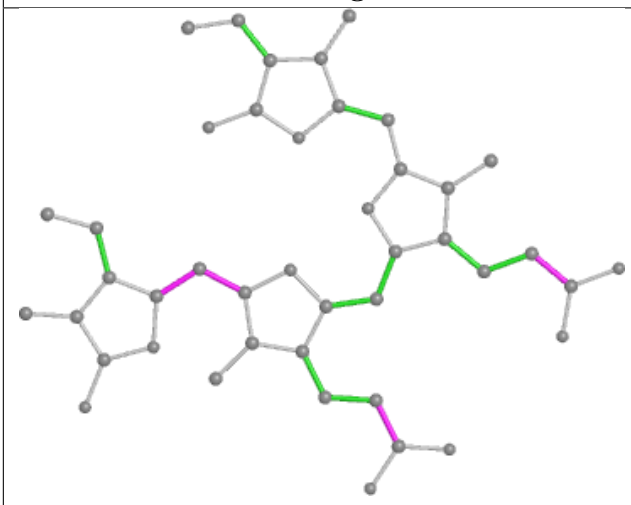


Bond angles



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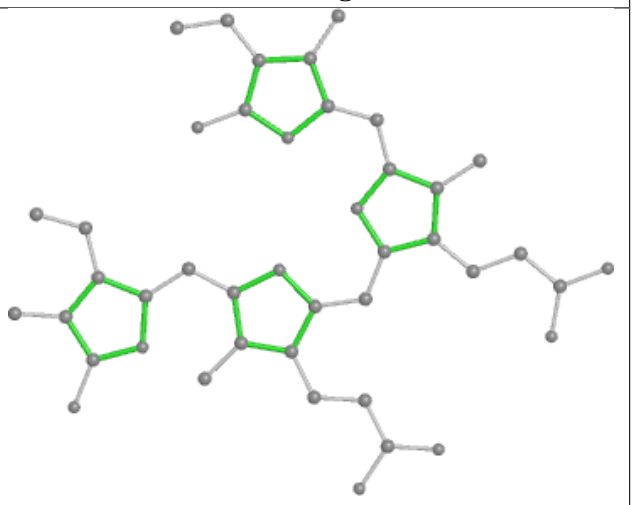
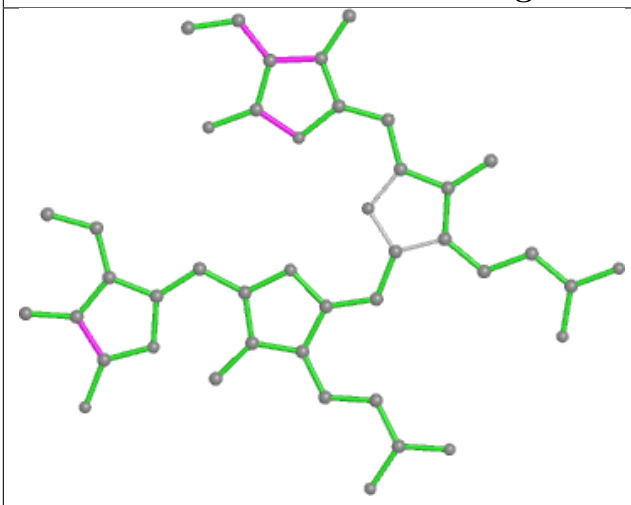


Rings

Ligand PEB aN 201



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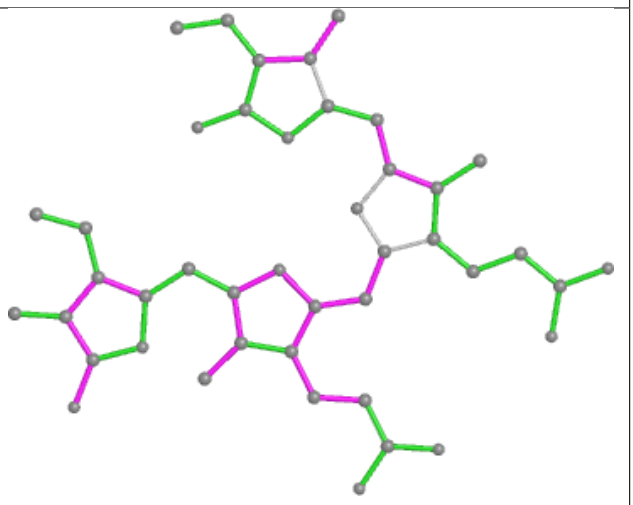

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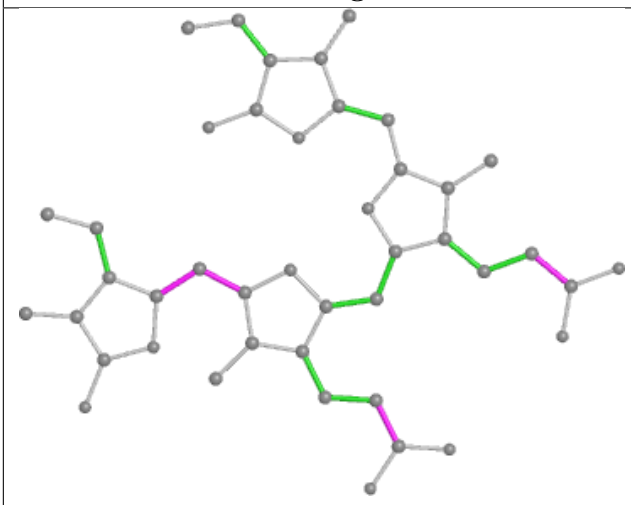

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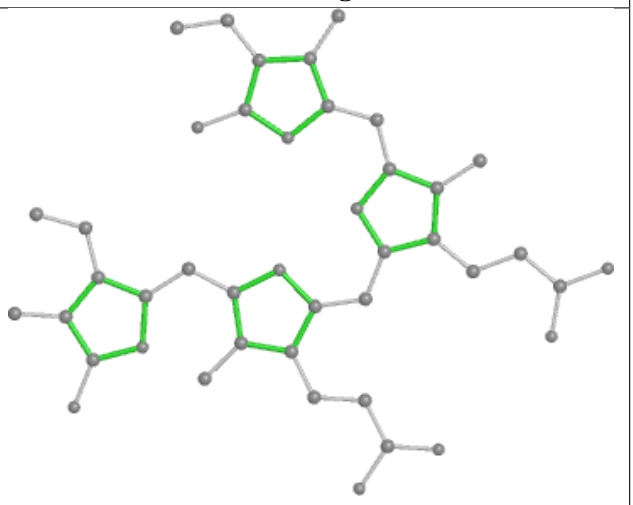
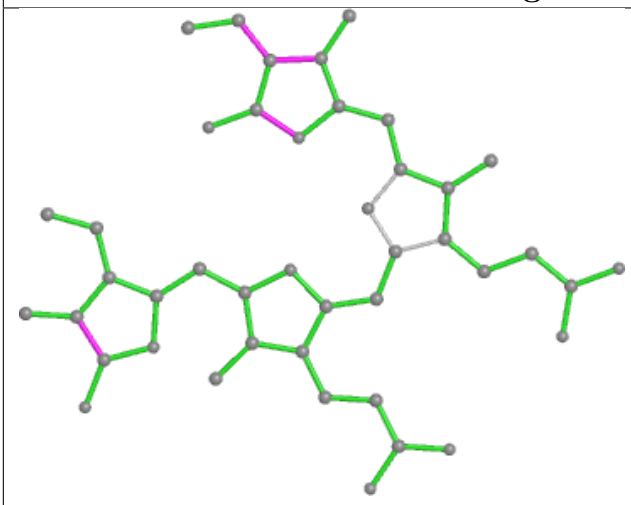


Rings

Ligand PEB gf 201



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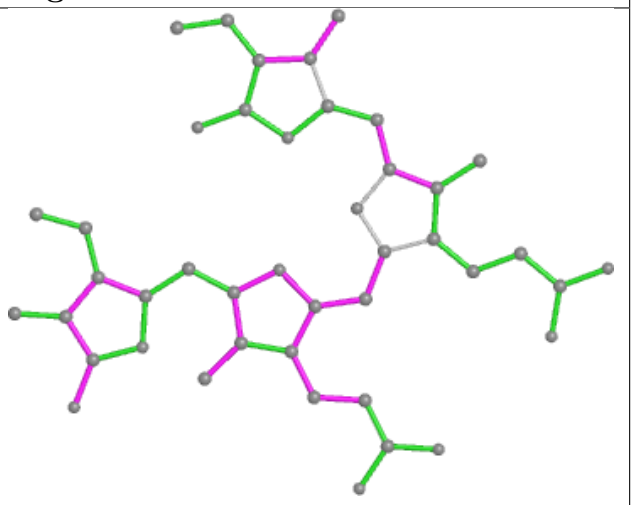

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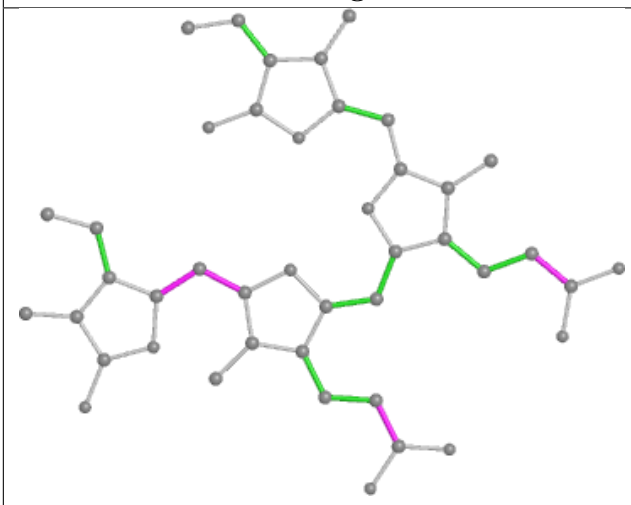

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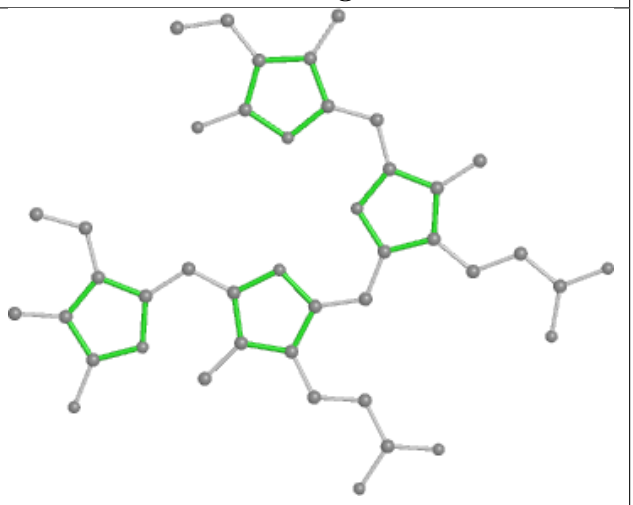
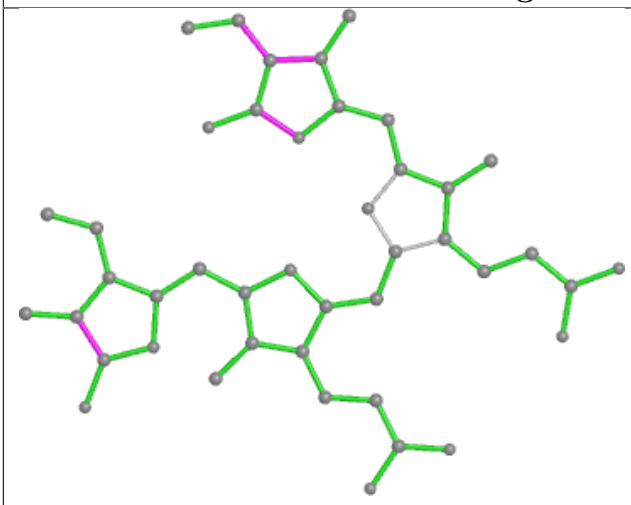


Rings

Ligand PEB cY 201



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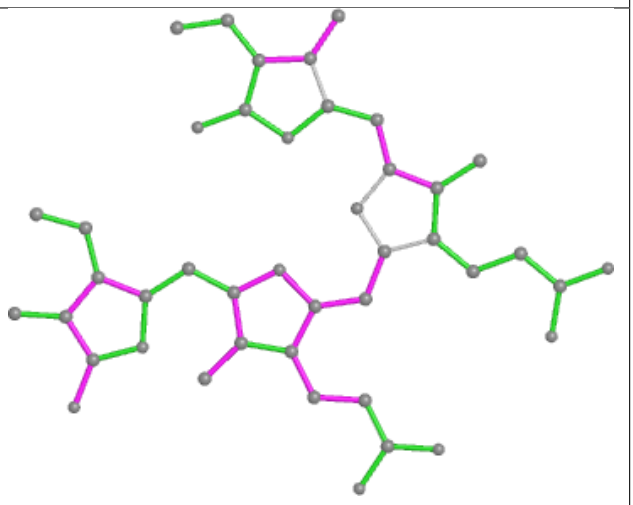

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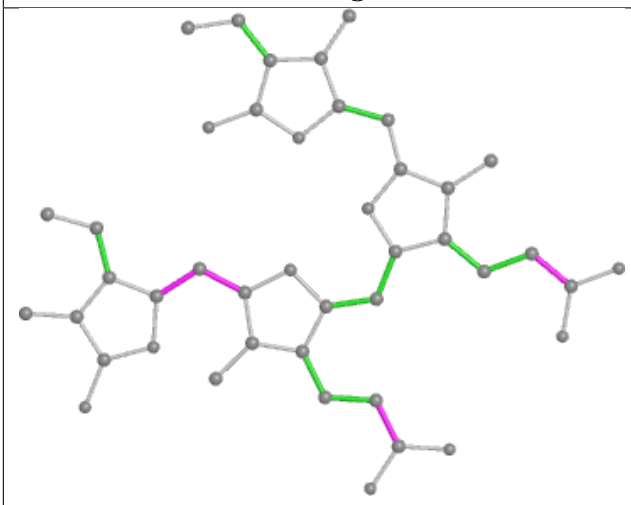

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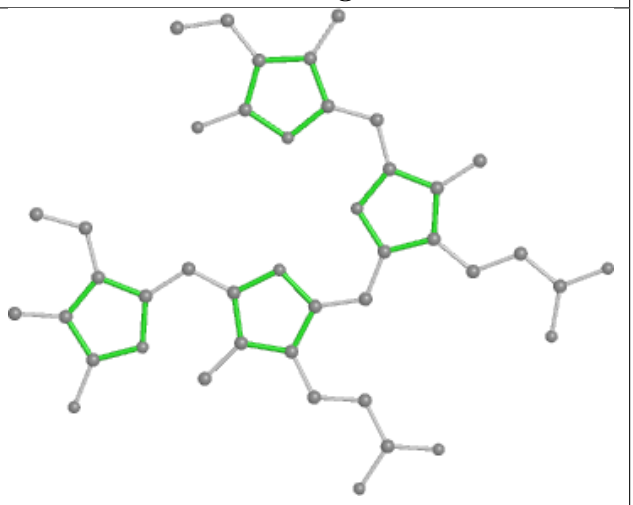

Rings

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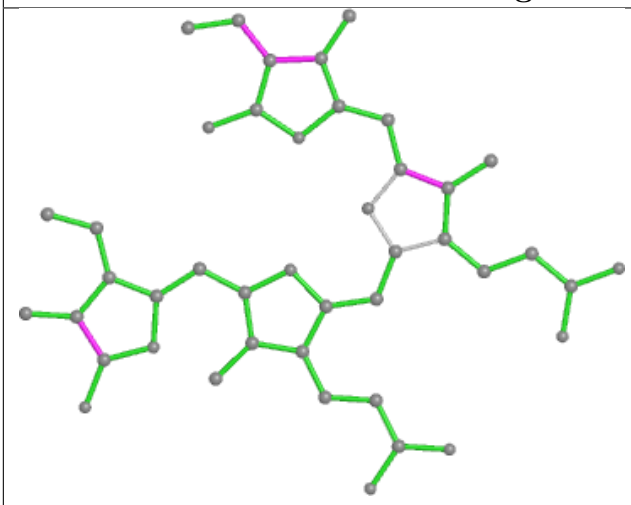

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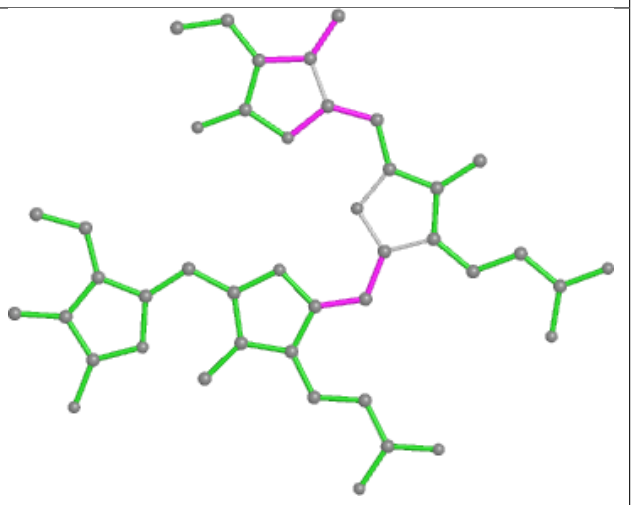

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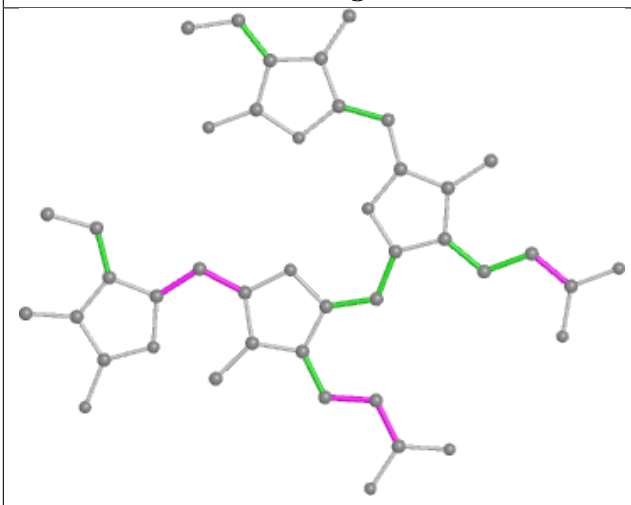

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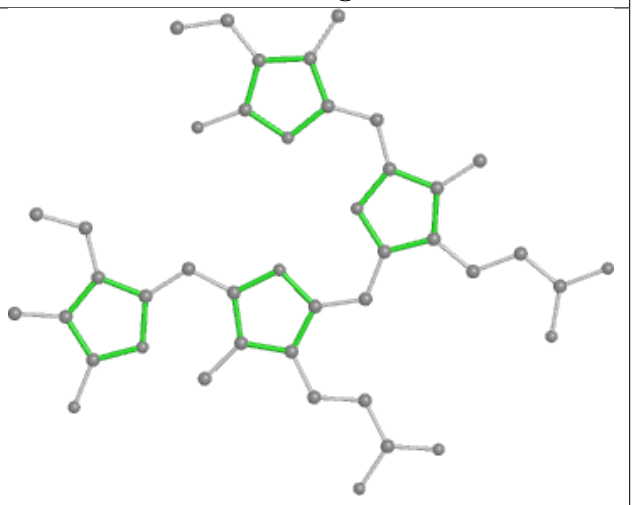
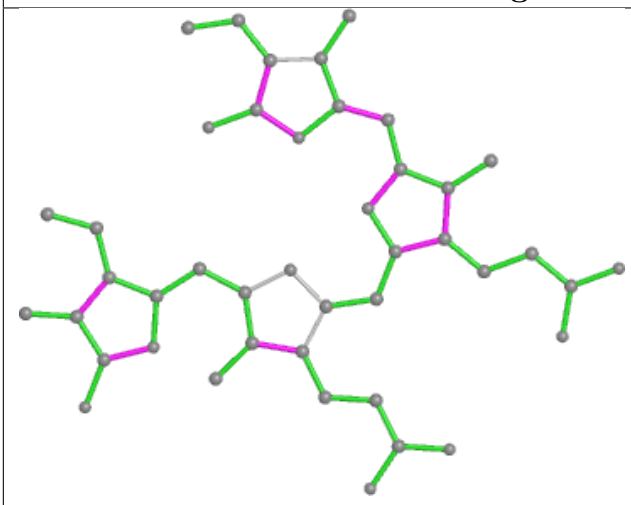


Rings

Ligand PUB ez 1006



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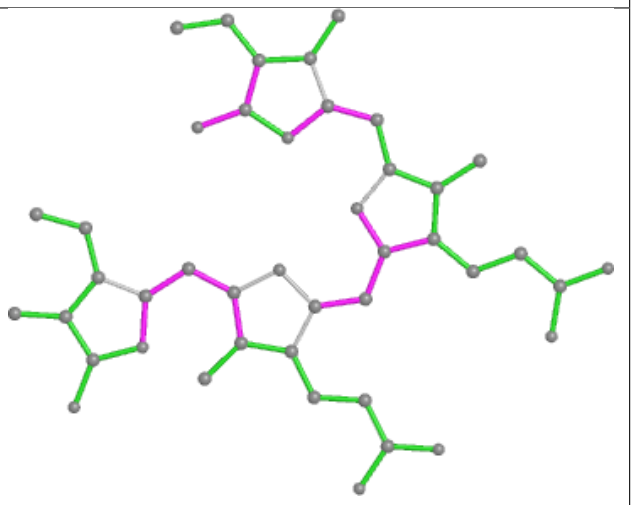

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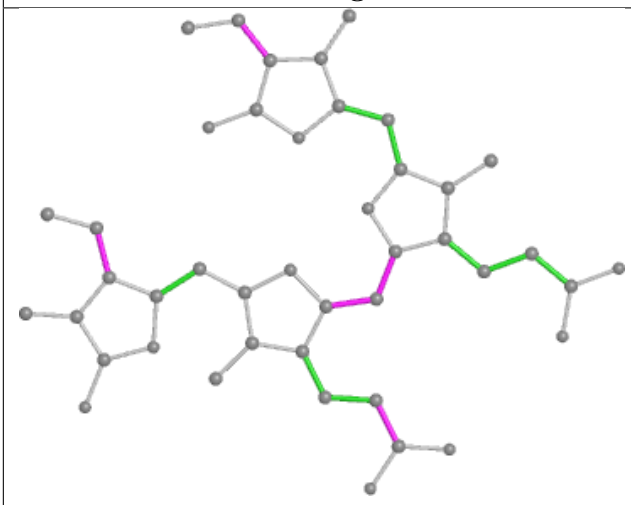

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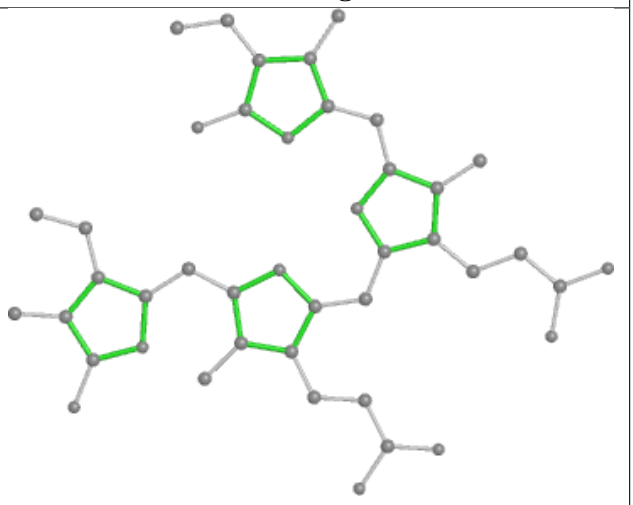

Rings

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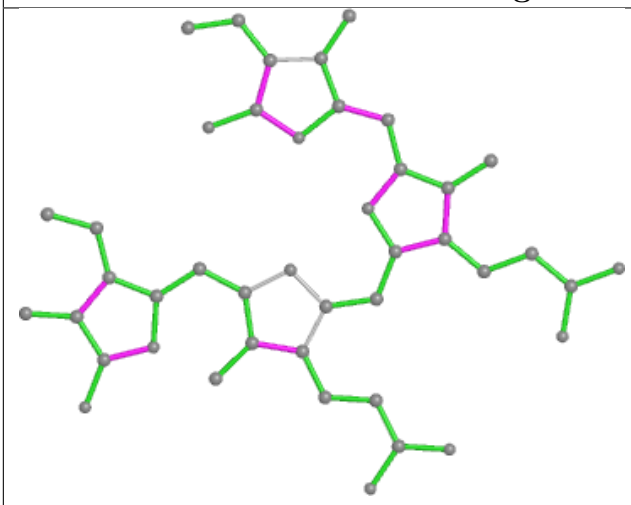

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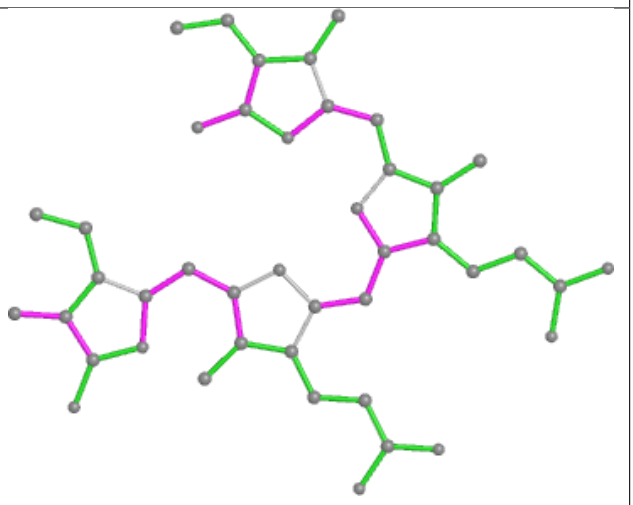

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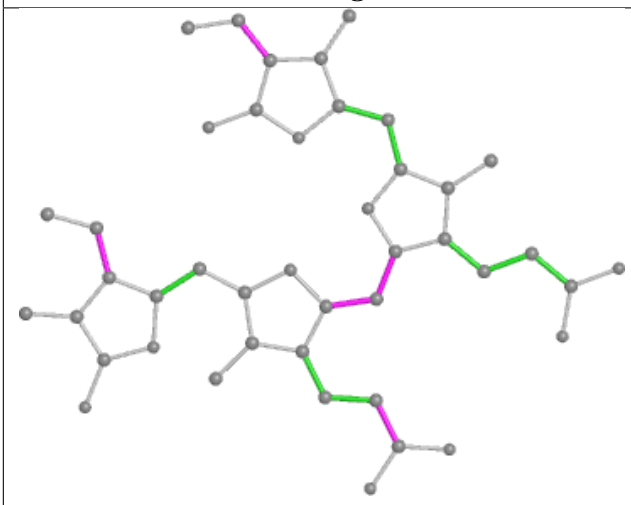

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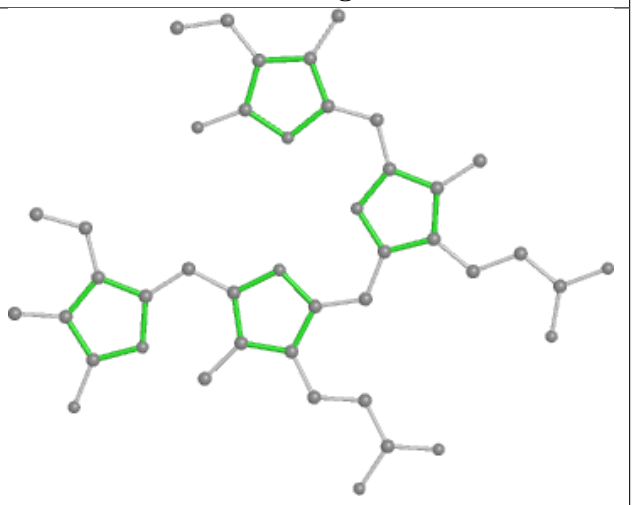
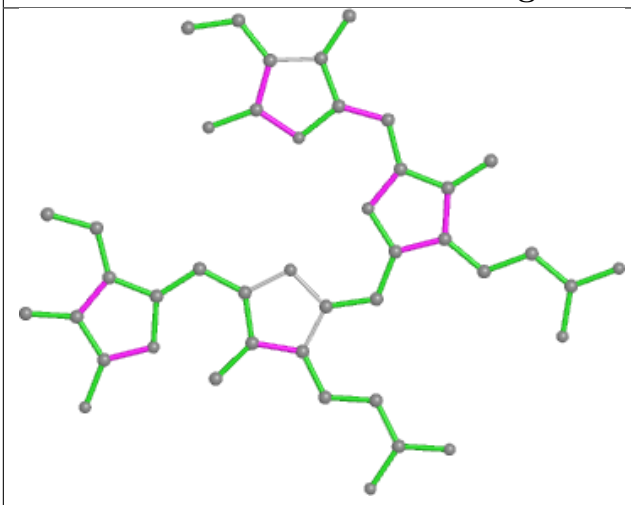


Rings

Ligand PUB a7 203



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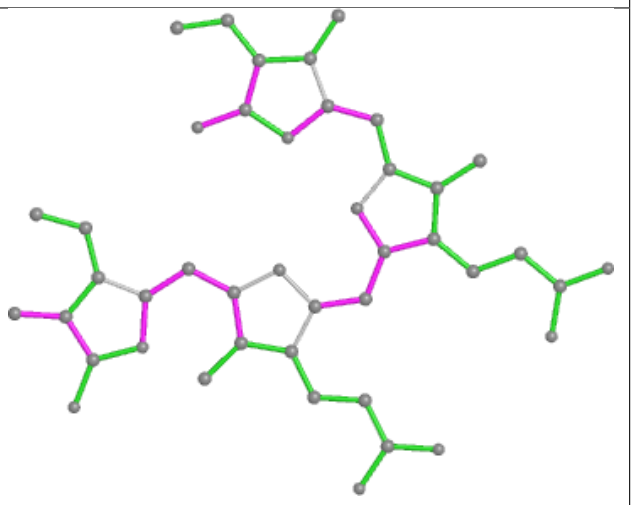

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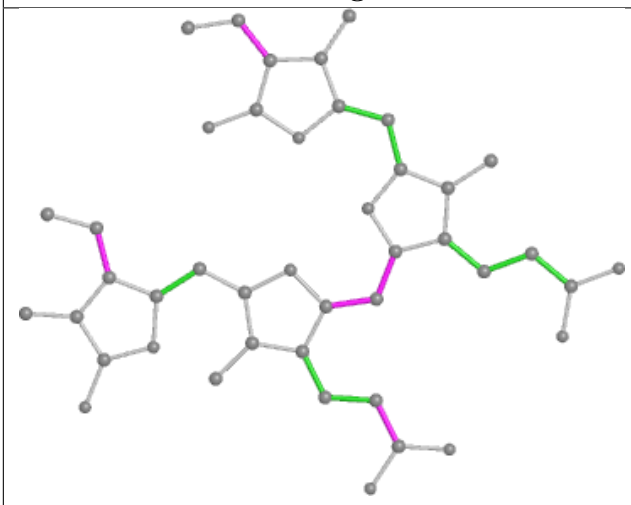

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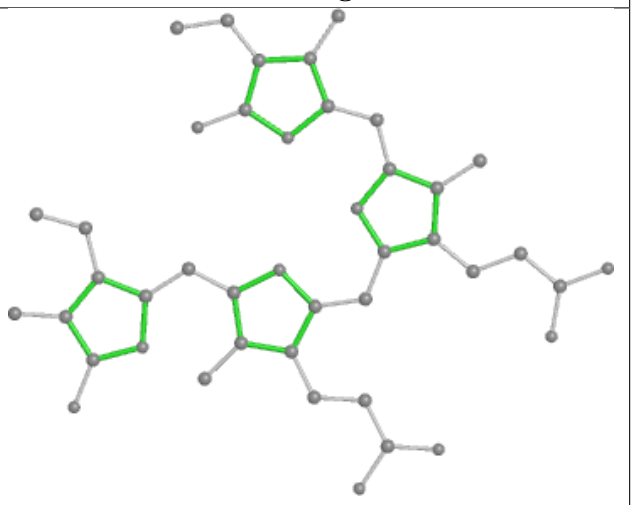
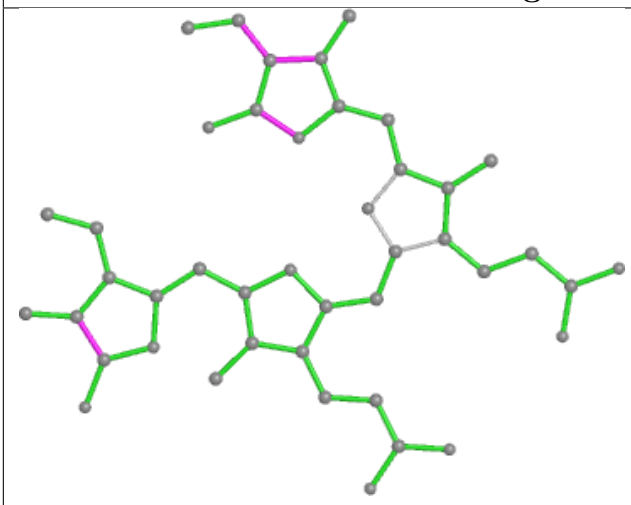


Rings

Ligand PEB j9 202



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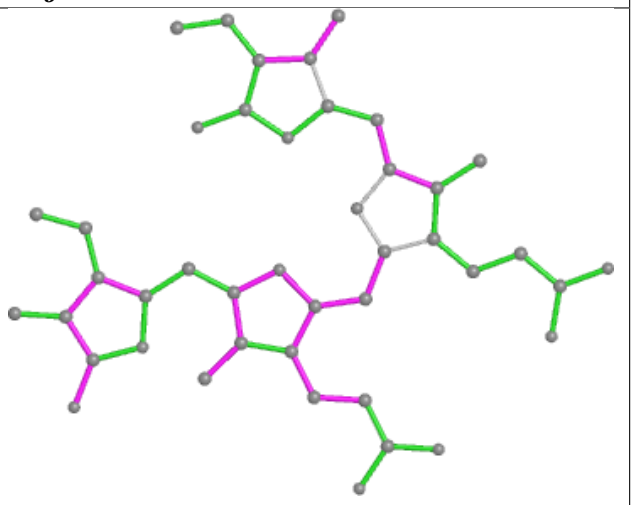

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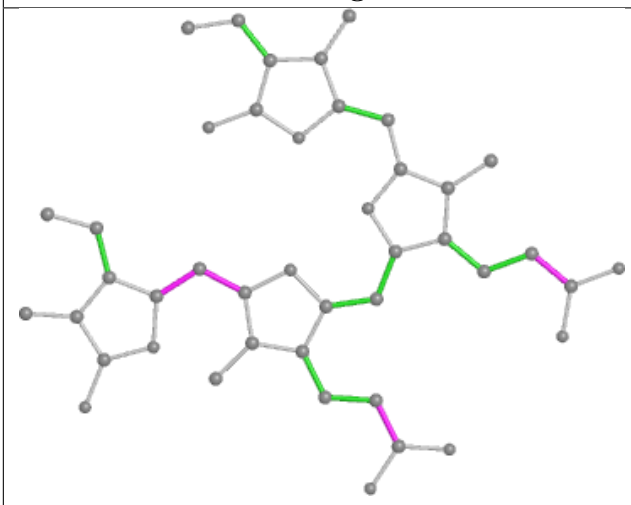

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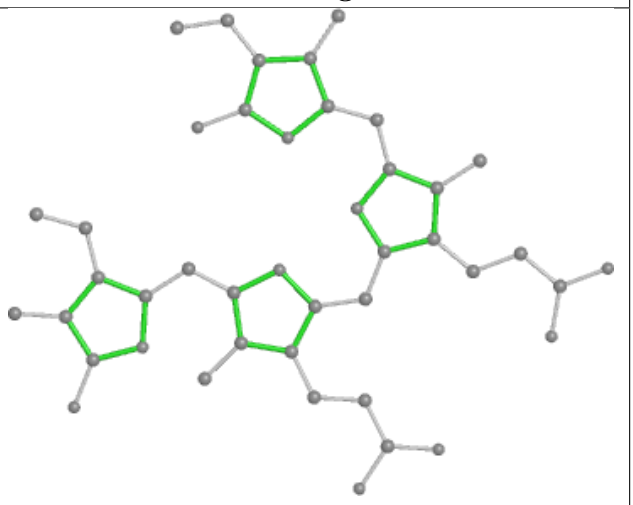

Rings

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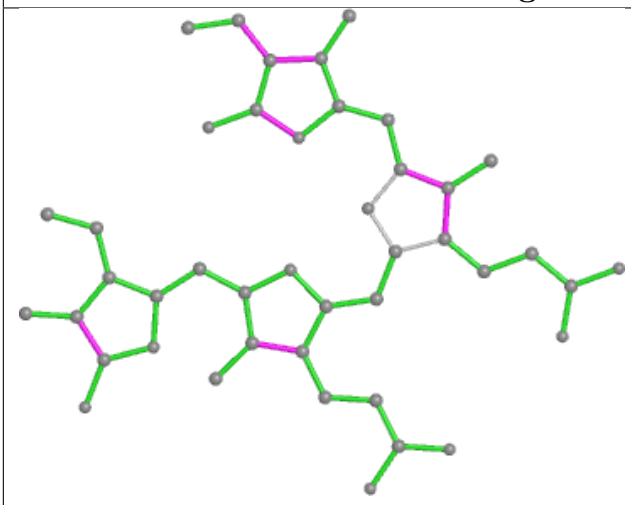

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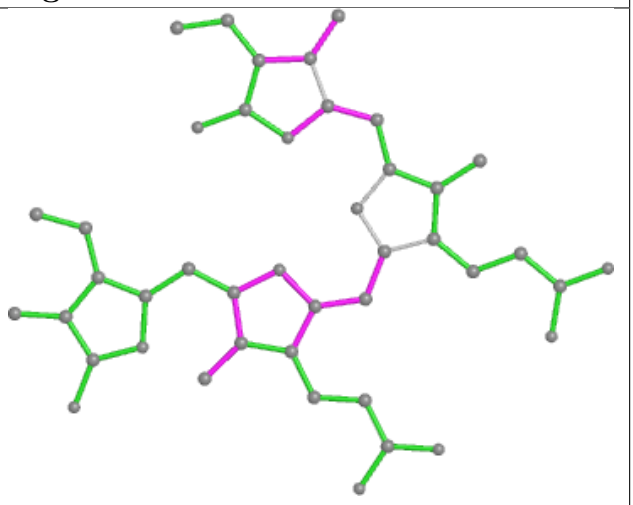

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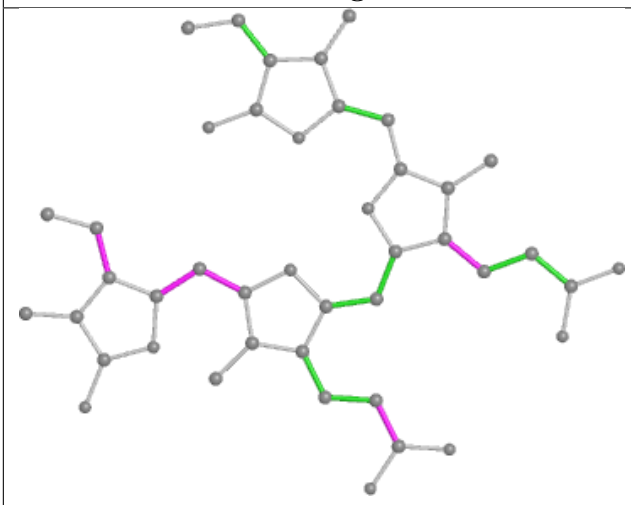

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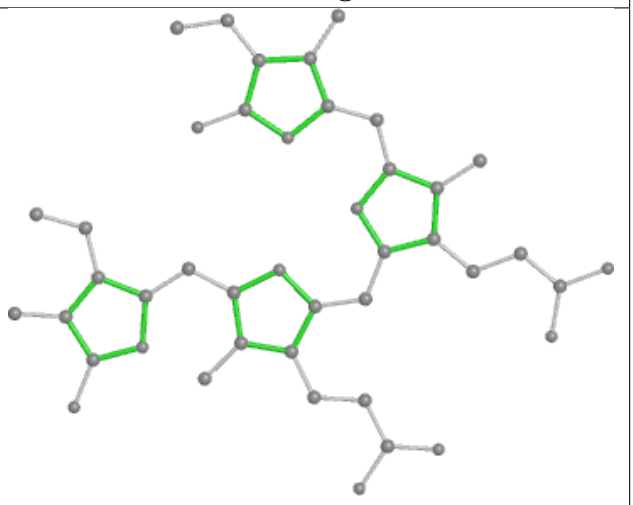

Rings

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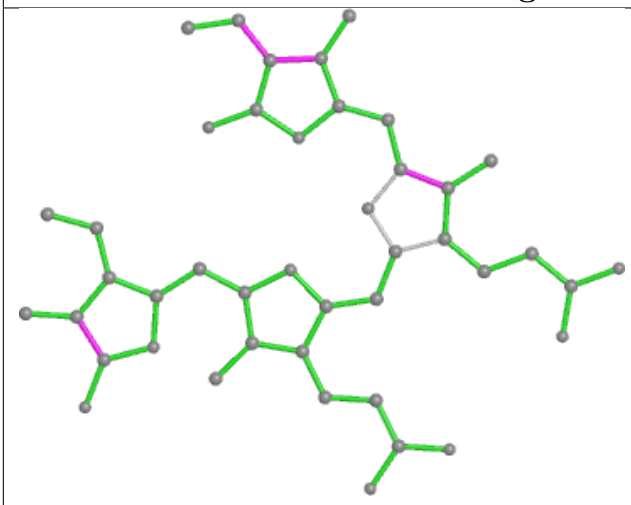

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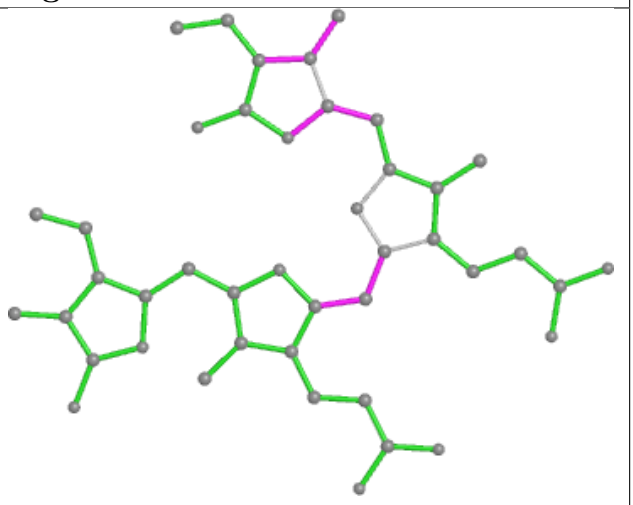

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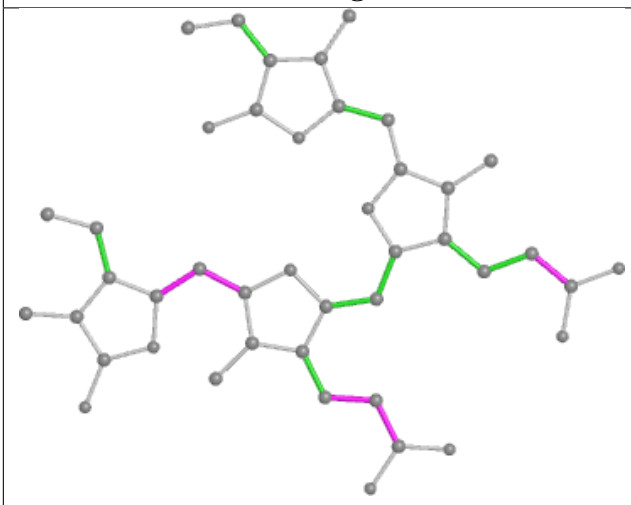
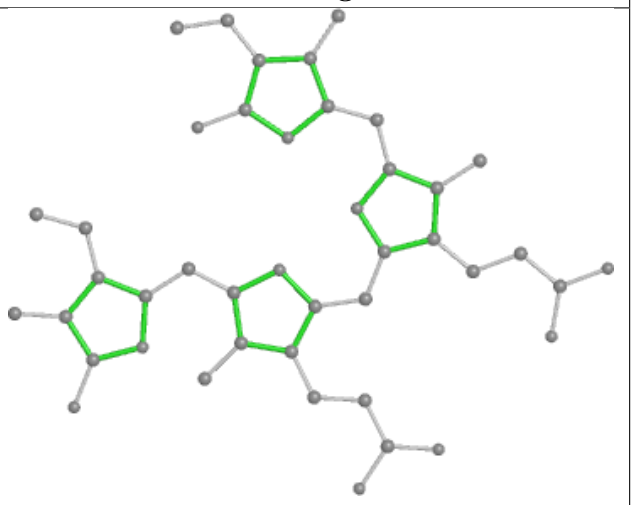
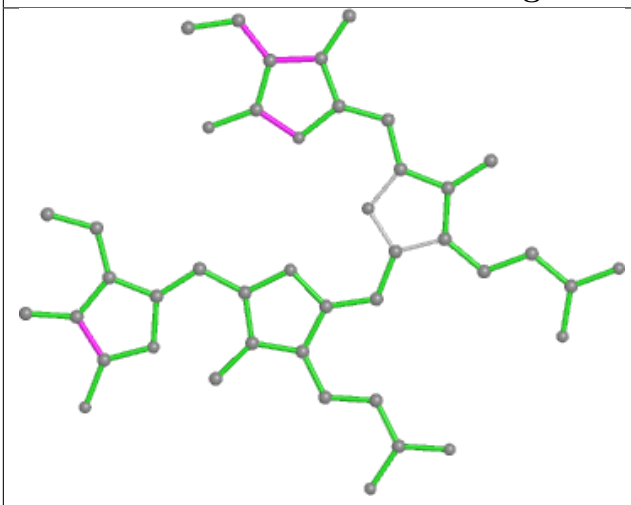


Torsions



Rings

Ligand PEB eI 201



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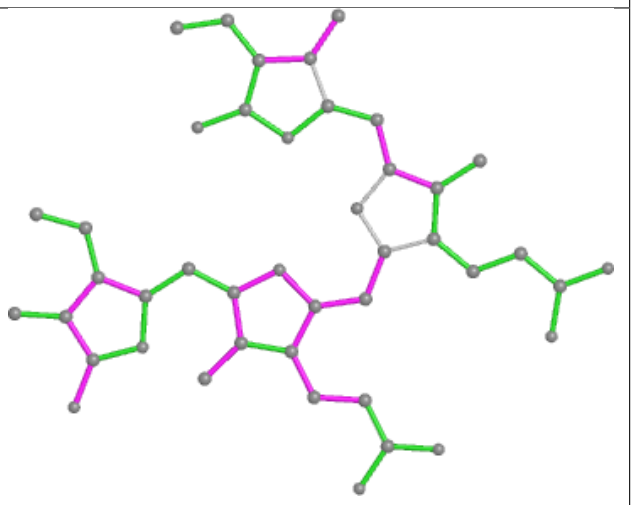

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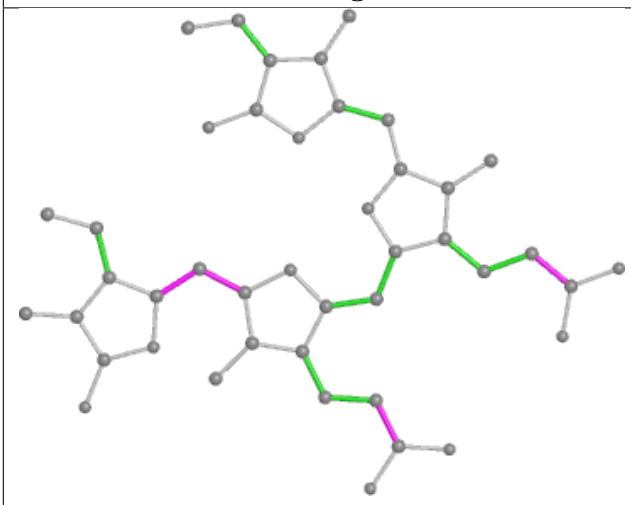

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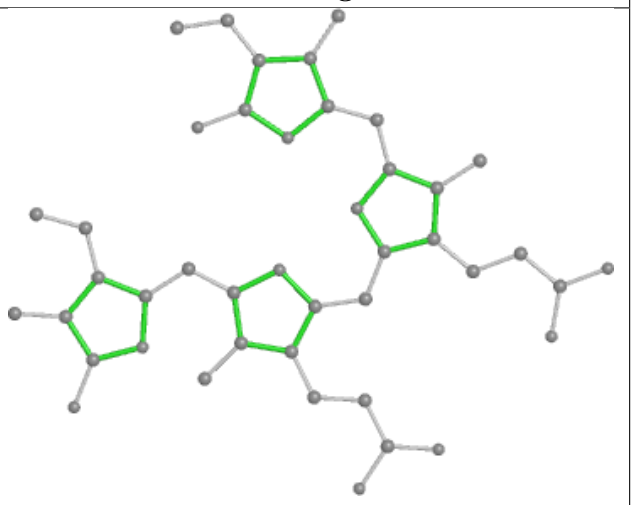
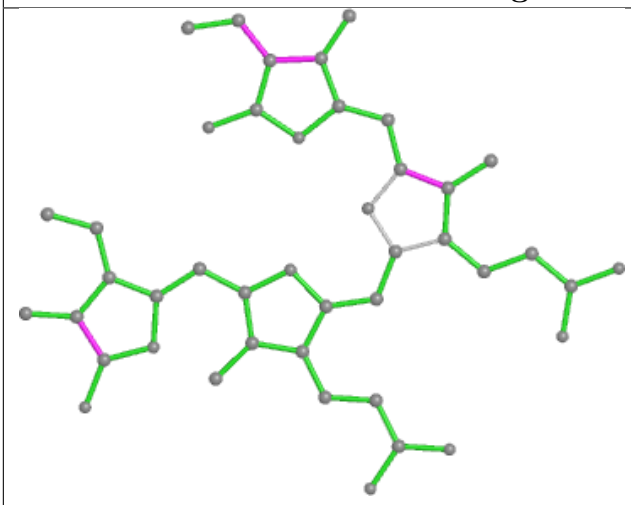


Rings

Ligand PEB ey 1001



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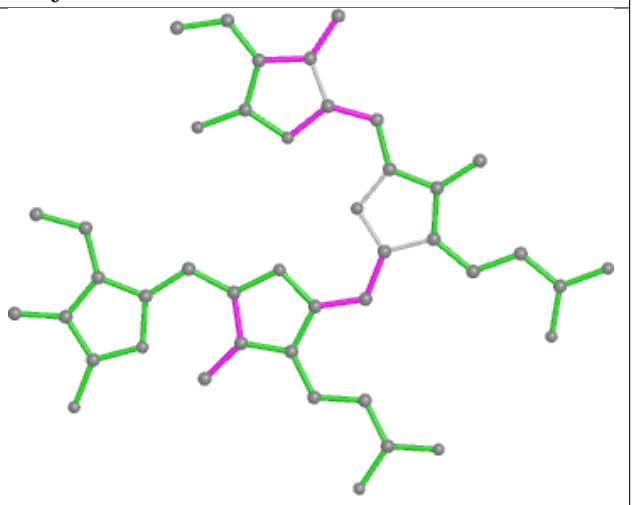

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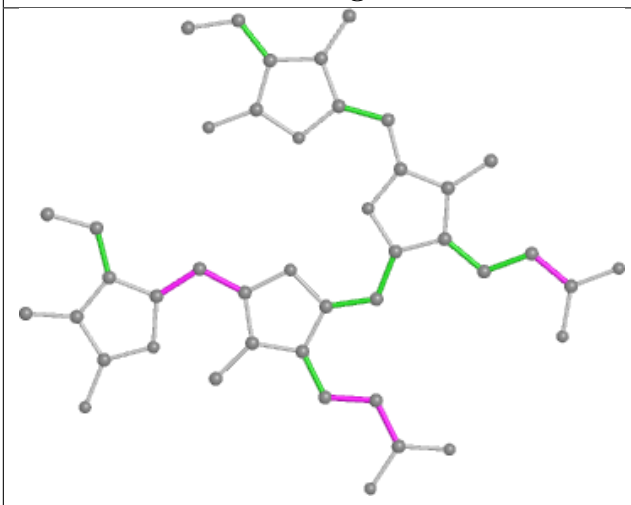

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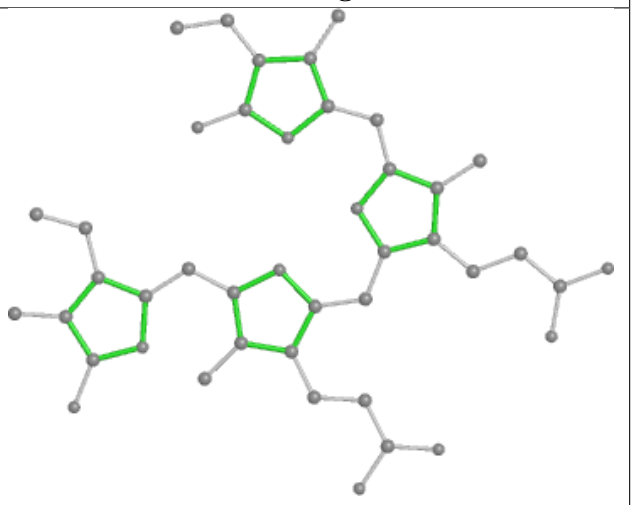
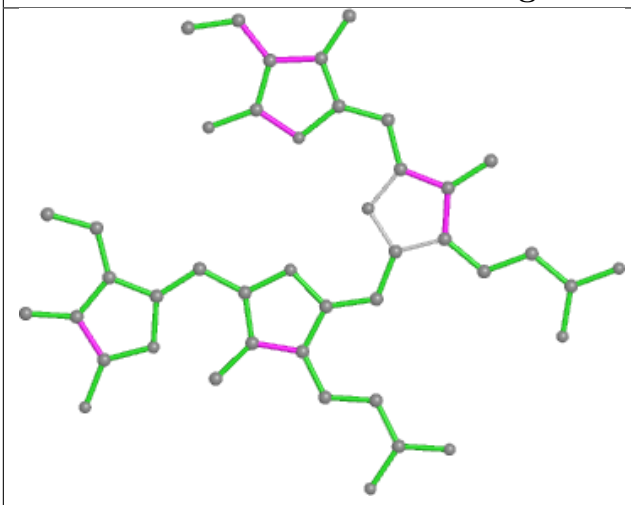


Rings

Ligand PEB gp 202



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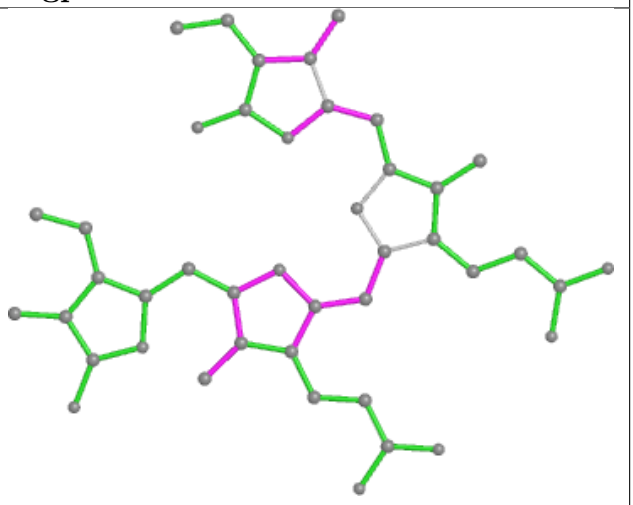

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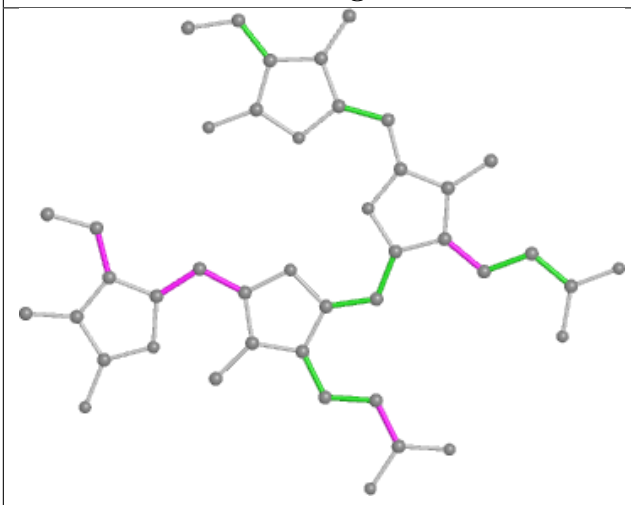

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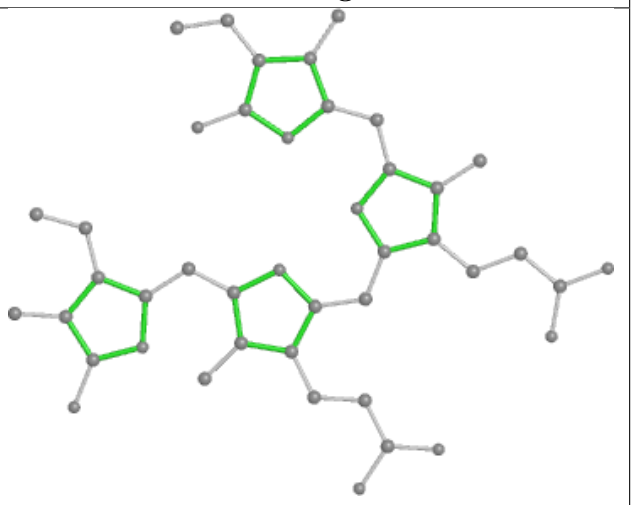
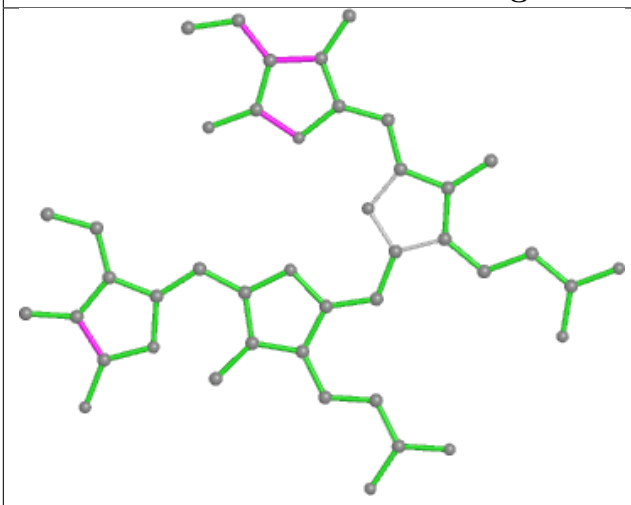


Rings

Ligand PEB y5 1001



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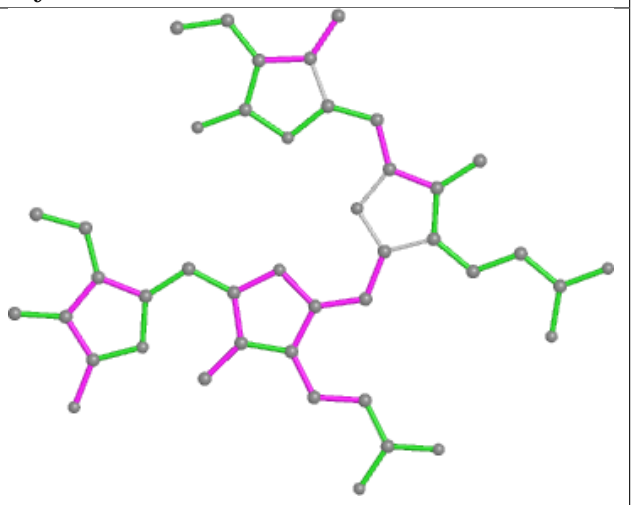

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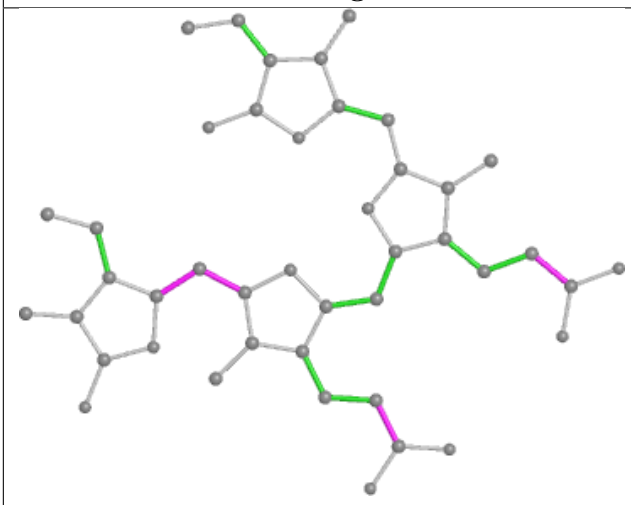

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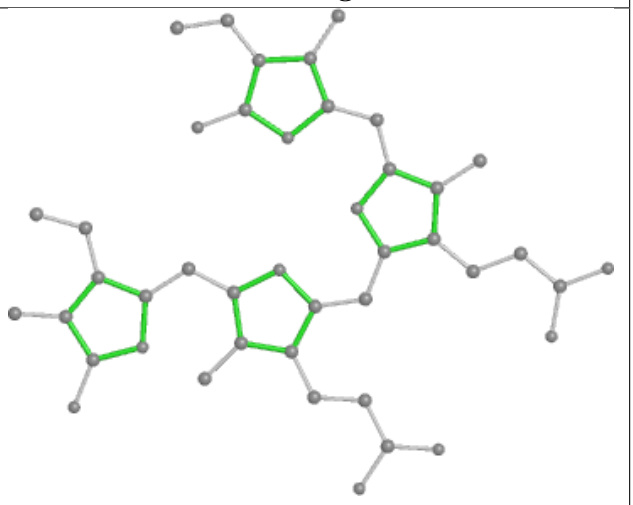
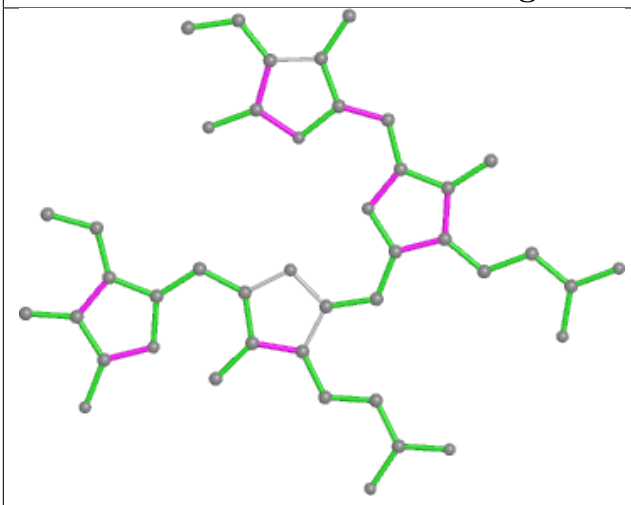


Rings

Ligand PUB c8 304



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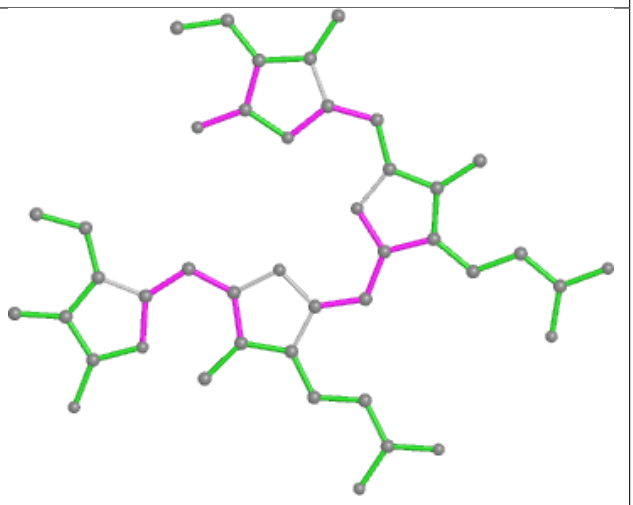

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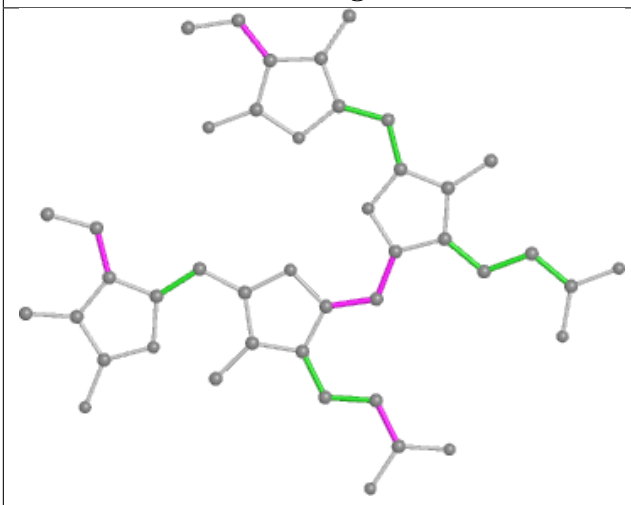

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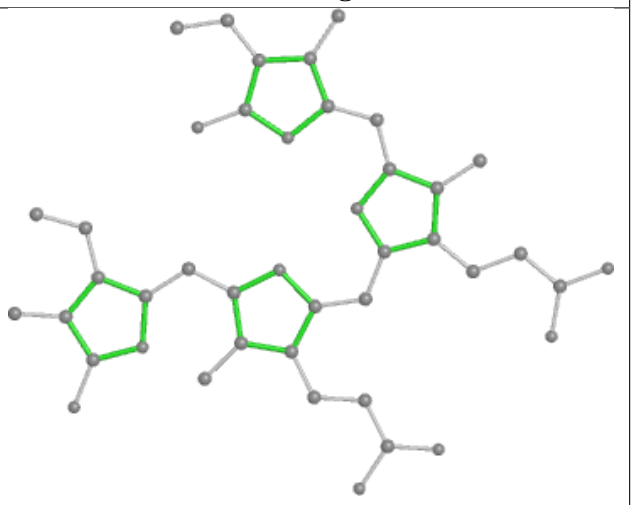
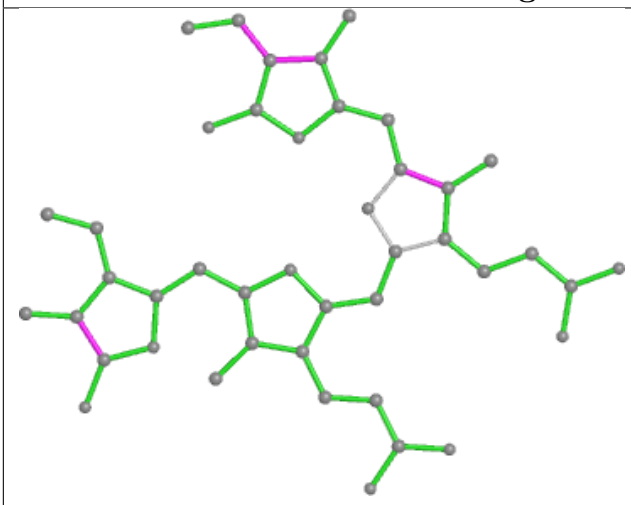


Rings

Ligand PEB h5 202



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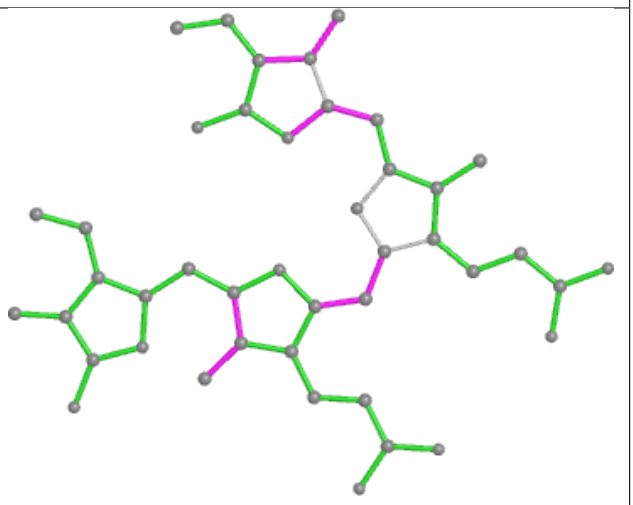

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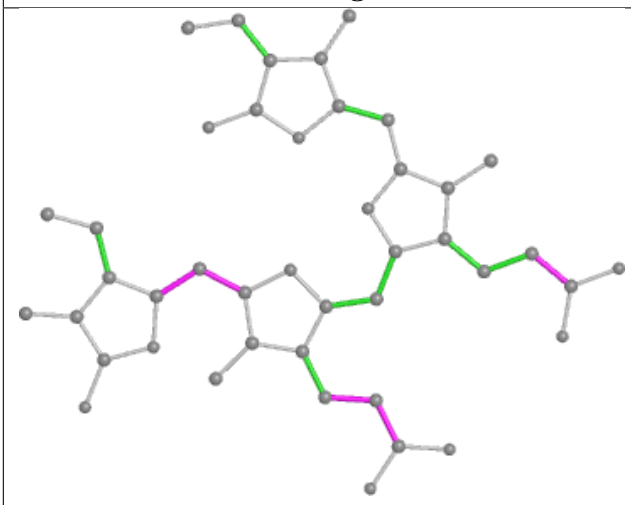

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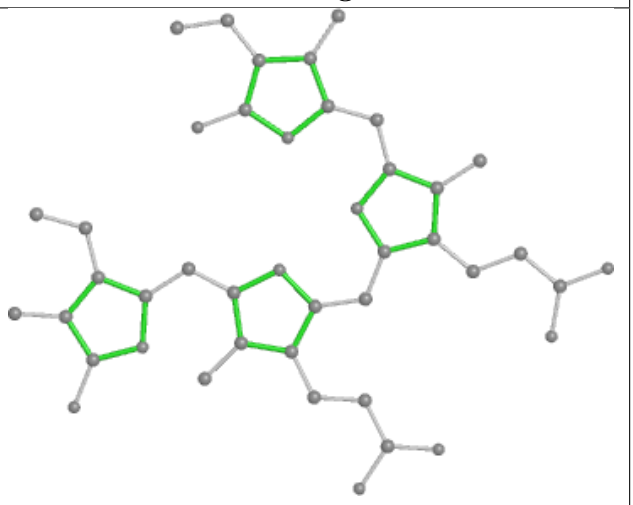
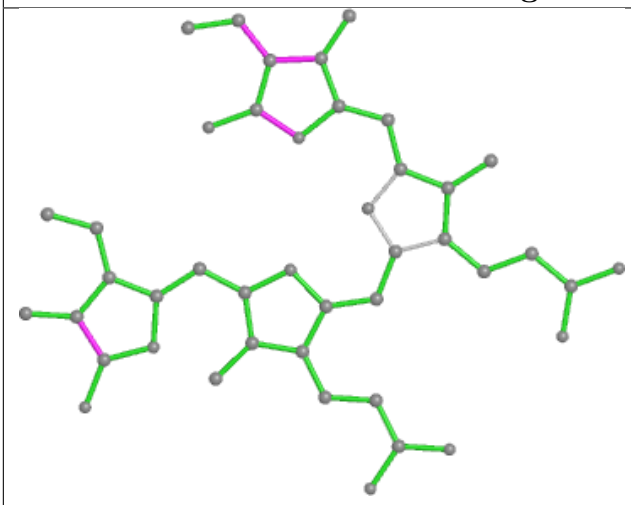


Rings

Ligand PEB e9 302



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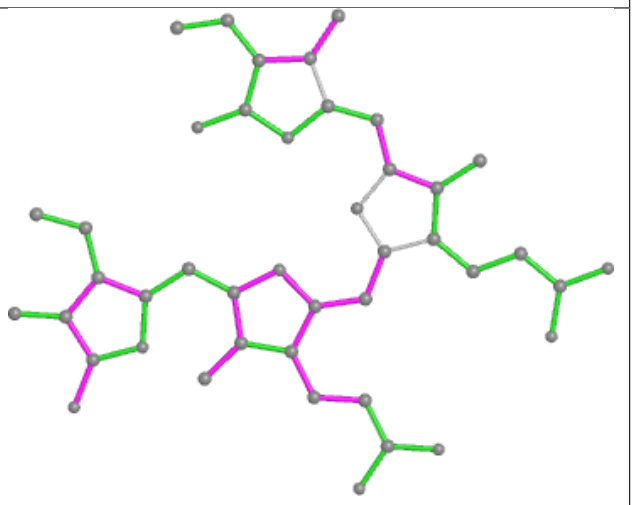

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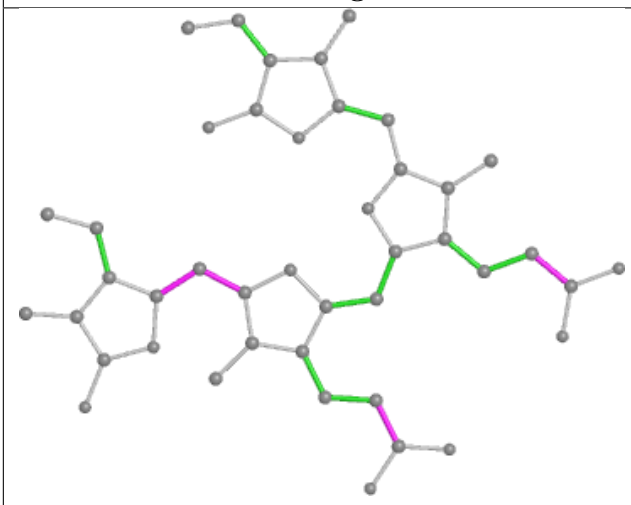

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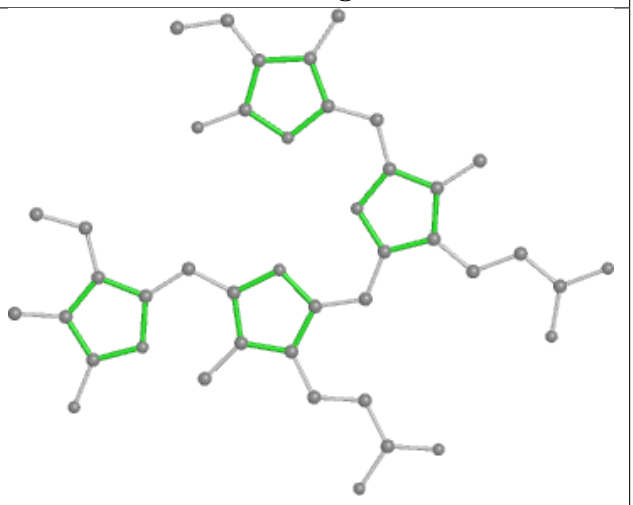
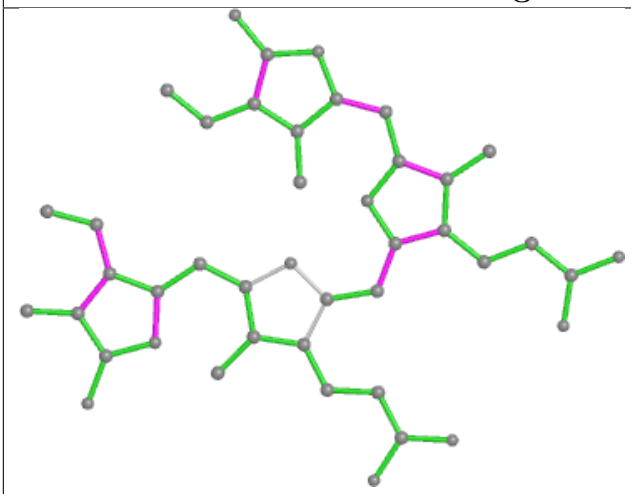


Rings

Ligand PVN T8 303



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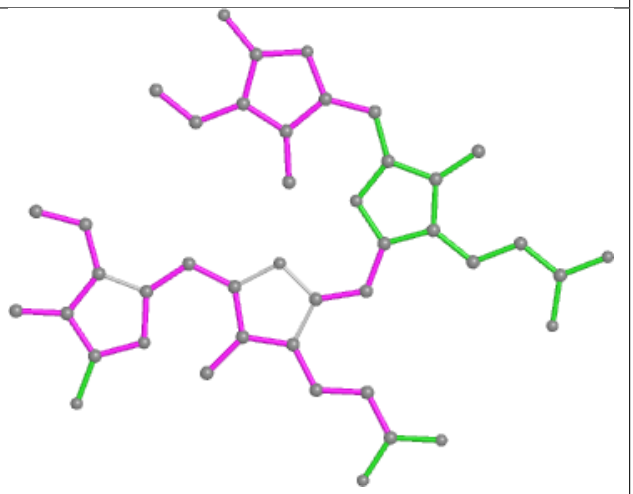

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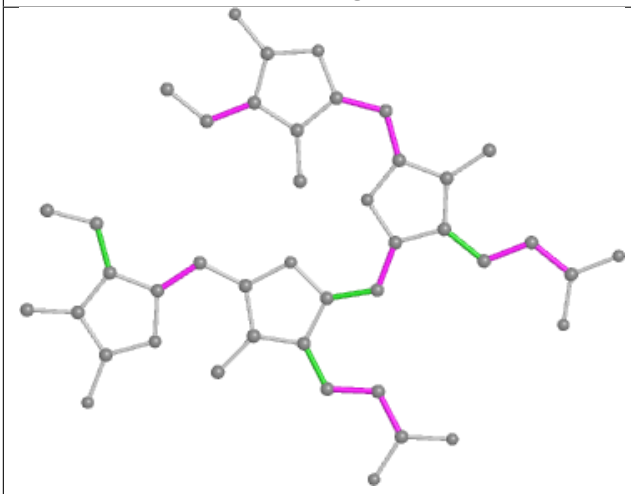

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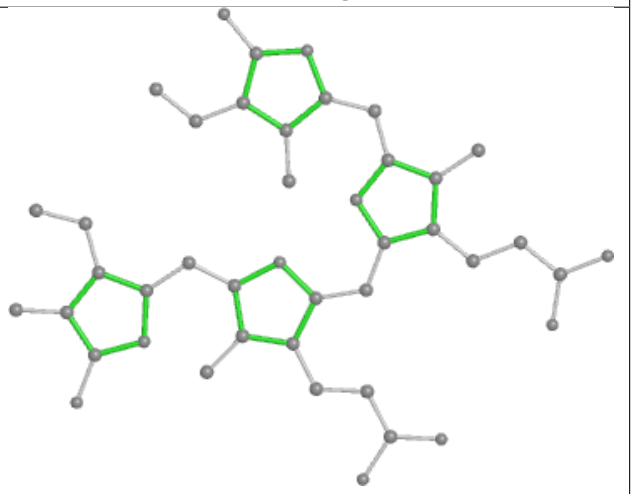
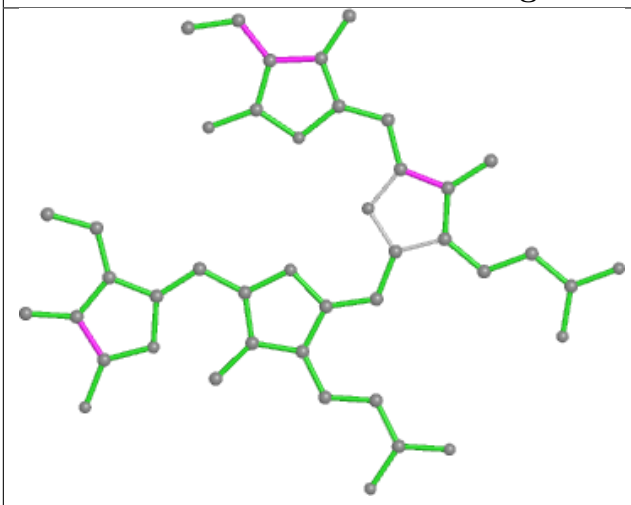


Rings

Ligand PEB o7 202



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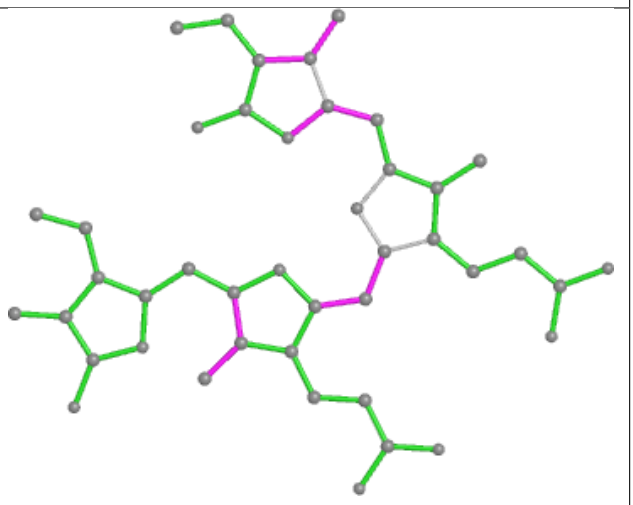

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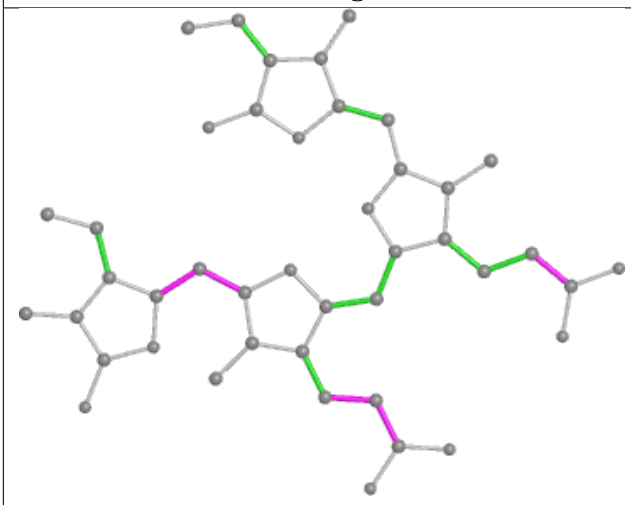

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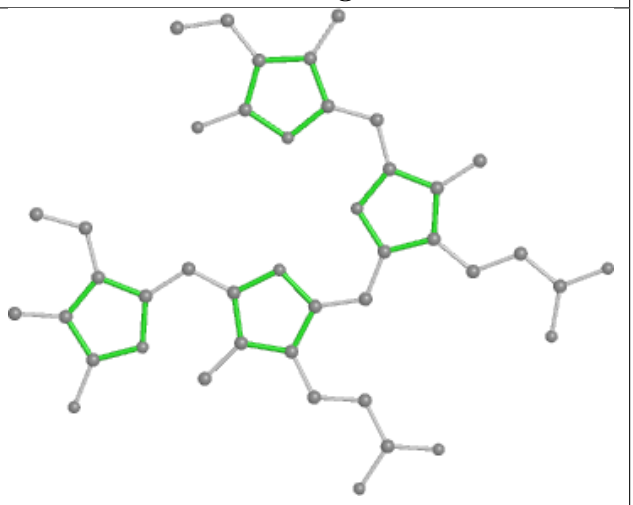
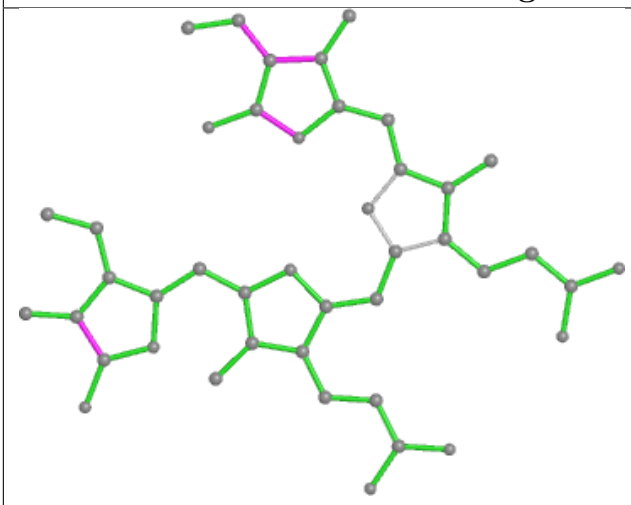


Rings

Ligand PEB bJ 201



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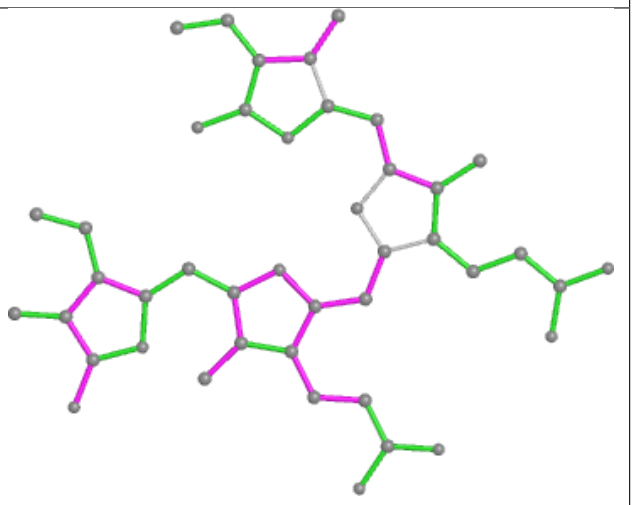

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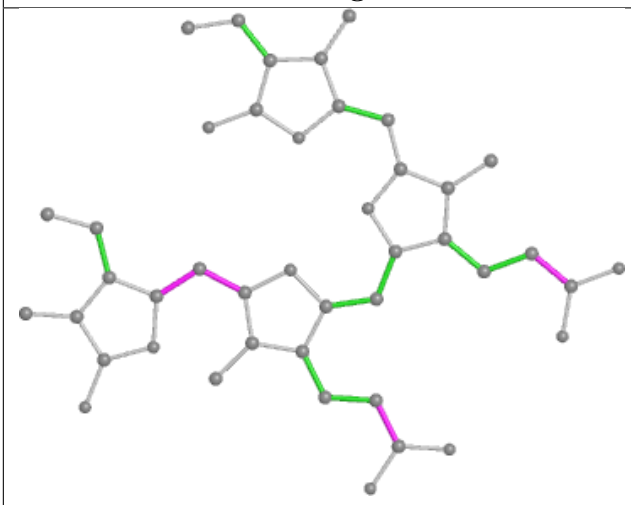

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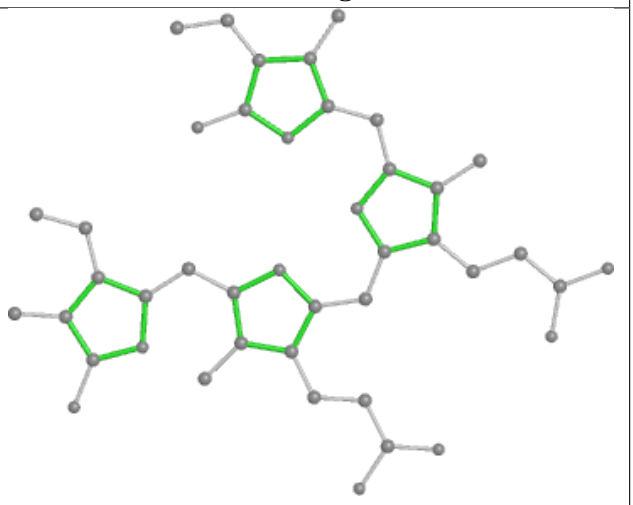
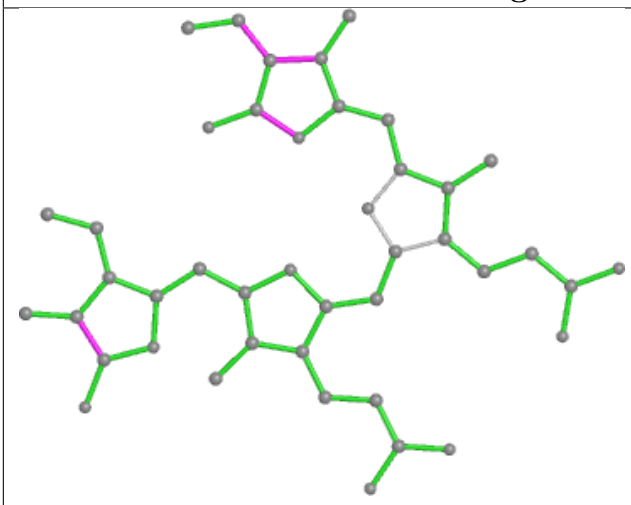


Rings

Ligand PEB k6 1002



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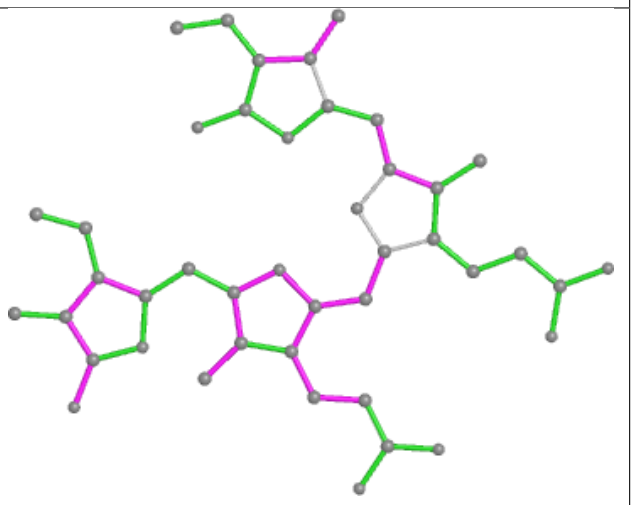

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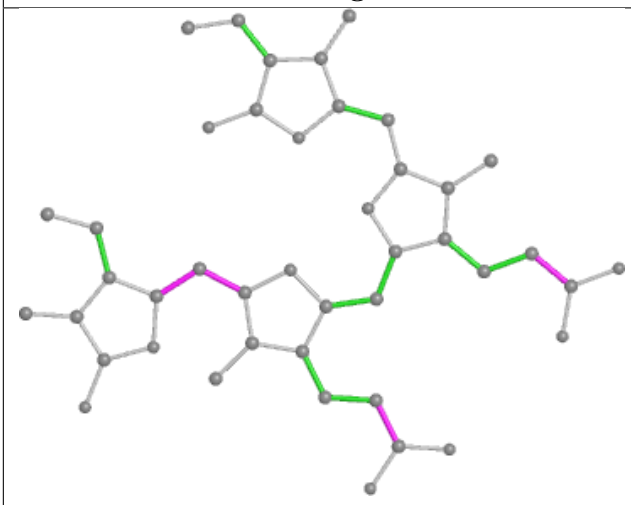

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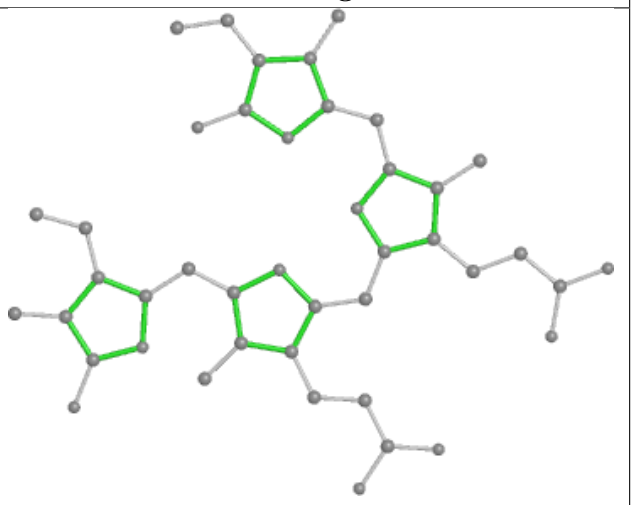
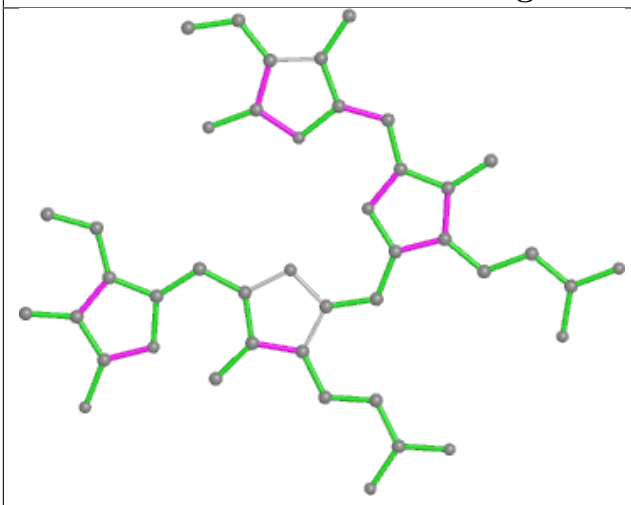


Rings

Ligand PUB eF 203



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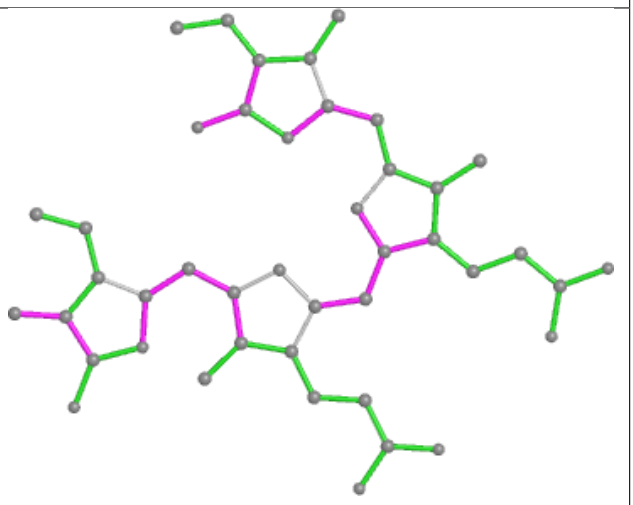
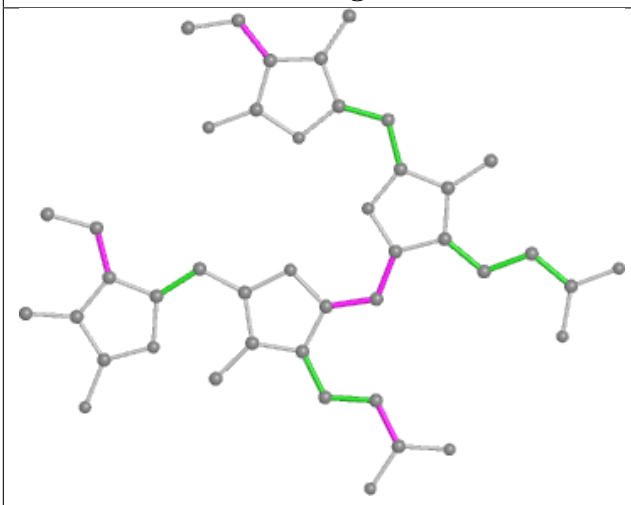


Bond angles



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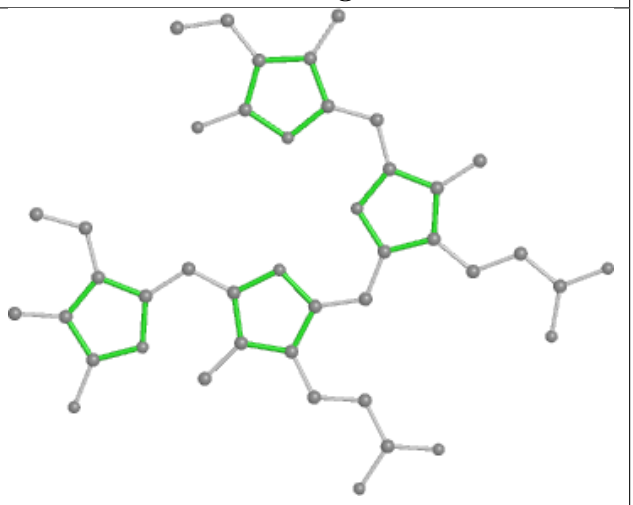
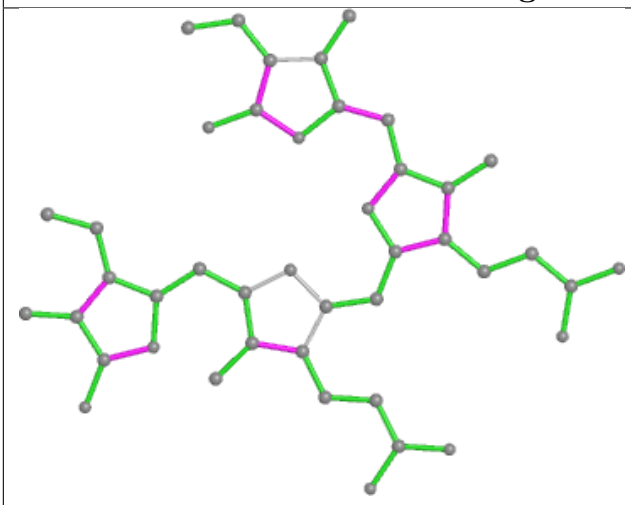


Rings

Ligand PUB gz 305



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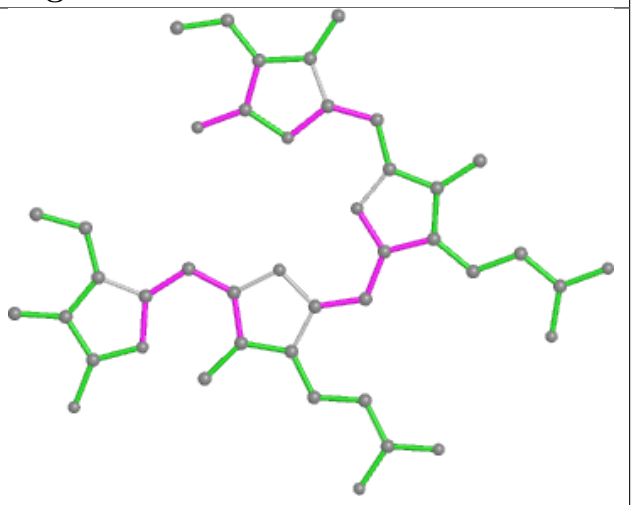
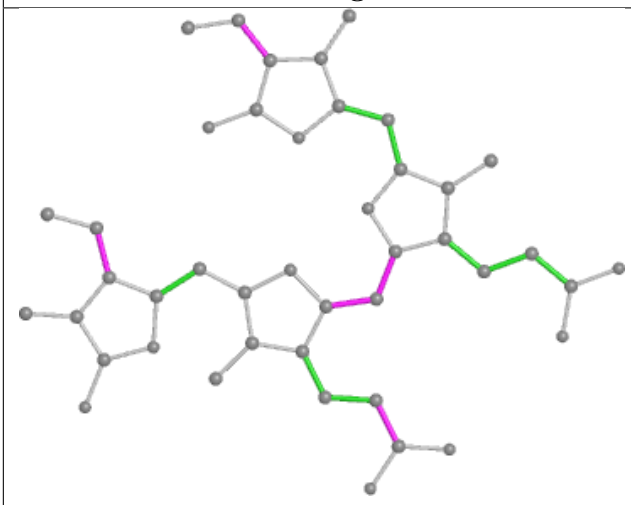


Bond angles



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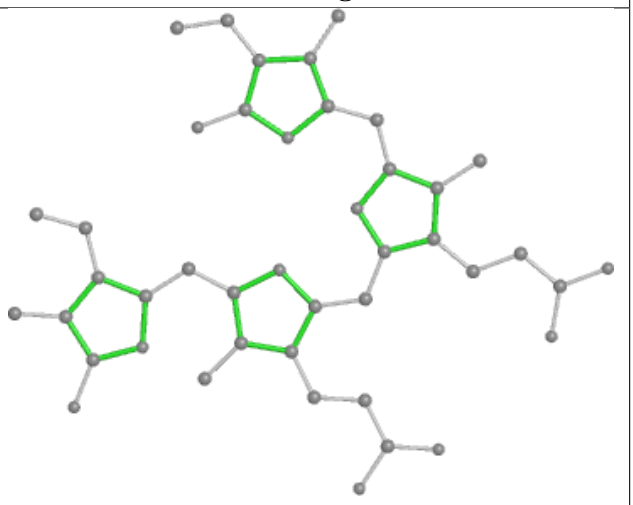
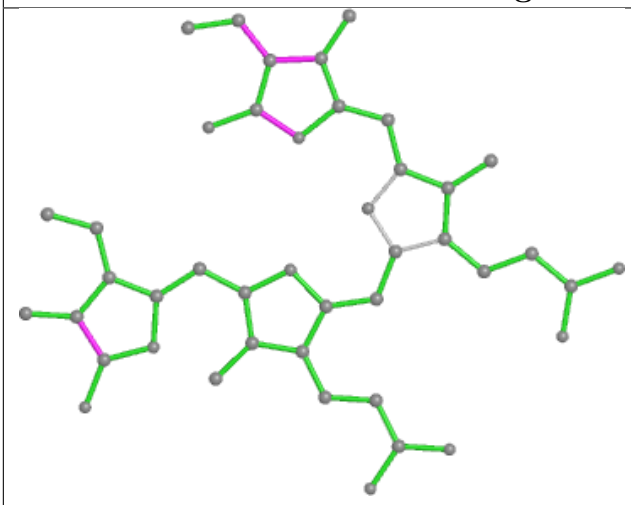
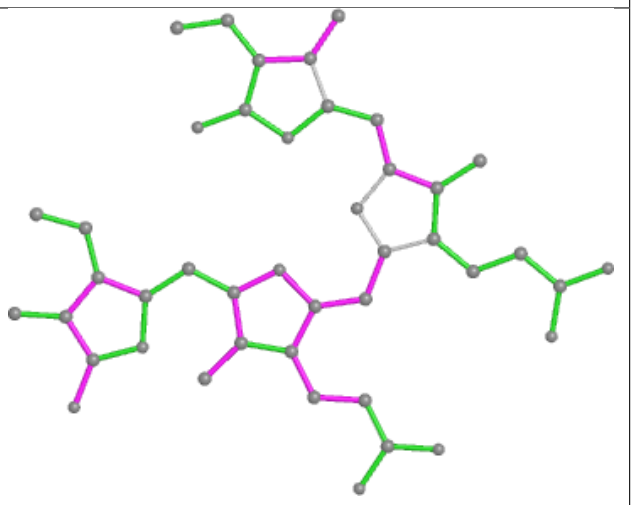


Rings

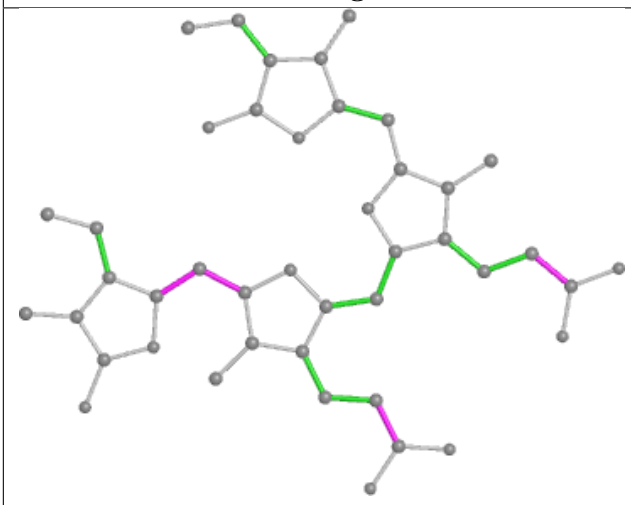
Ligand PEB K4 201



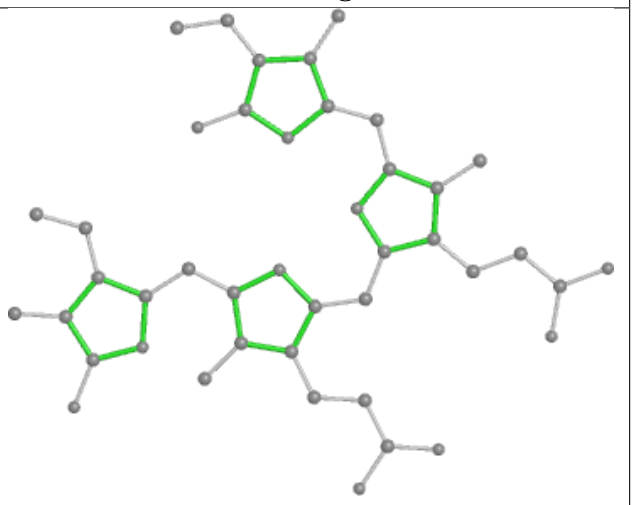
Bond lengths



Bond angles

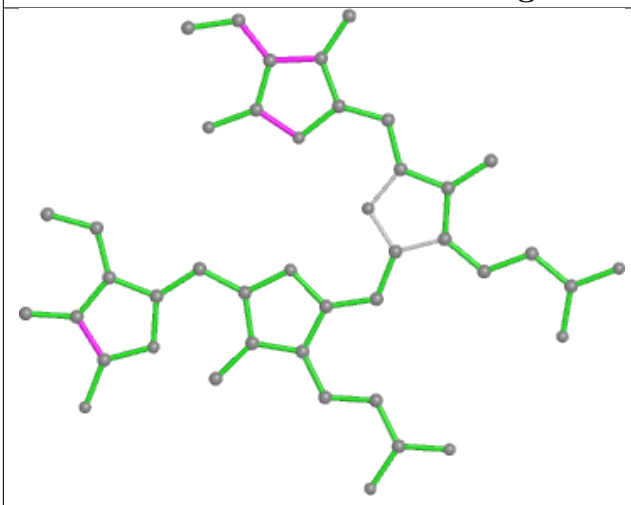


Torsions



Rings

Ligand PEB aF 204



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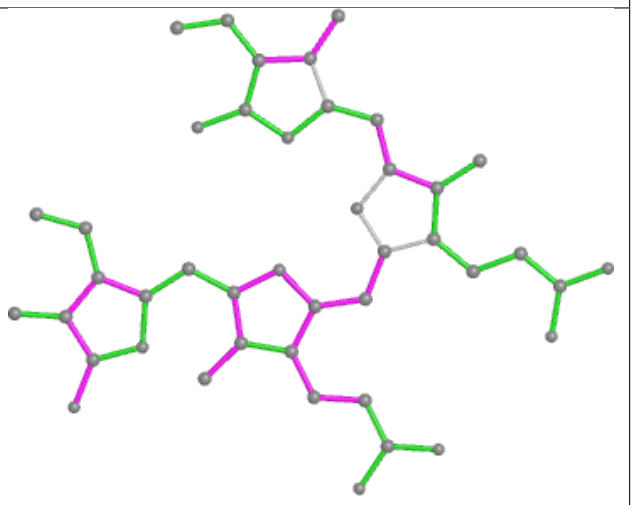

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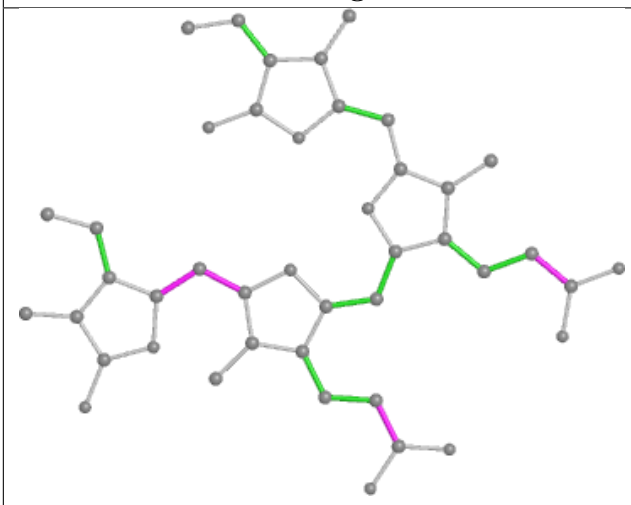

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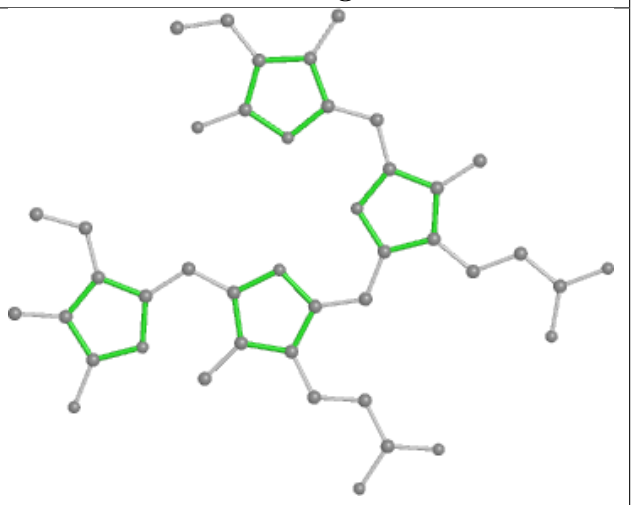
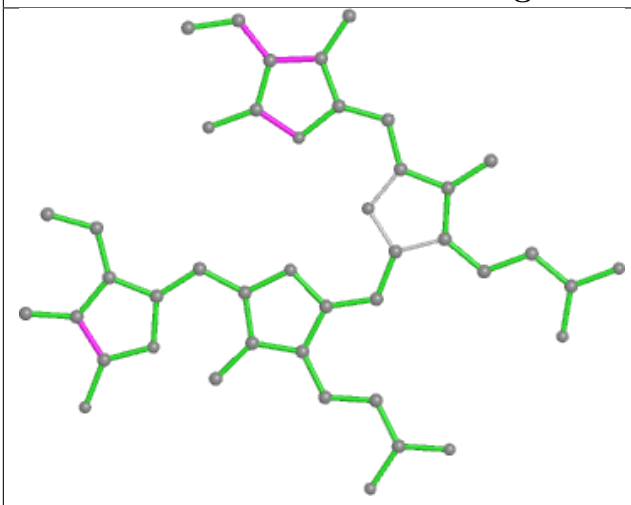


Rings

Ligand PEB dD 201



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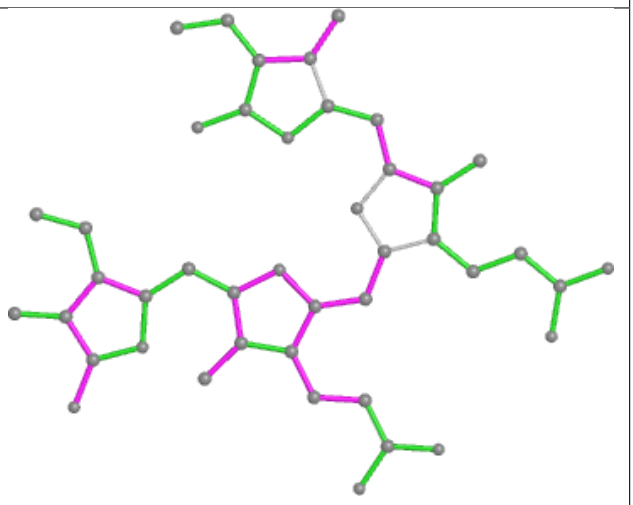

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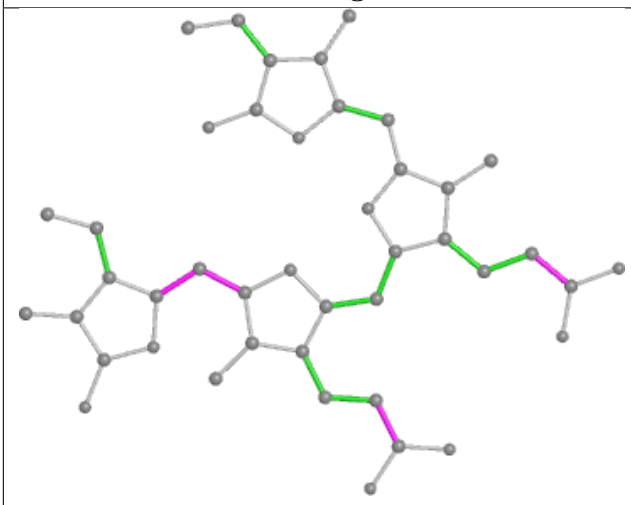

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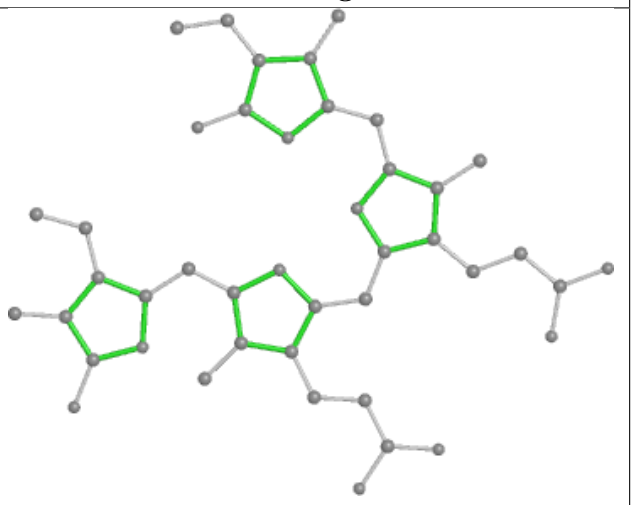
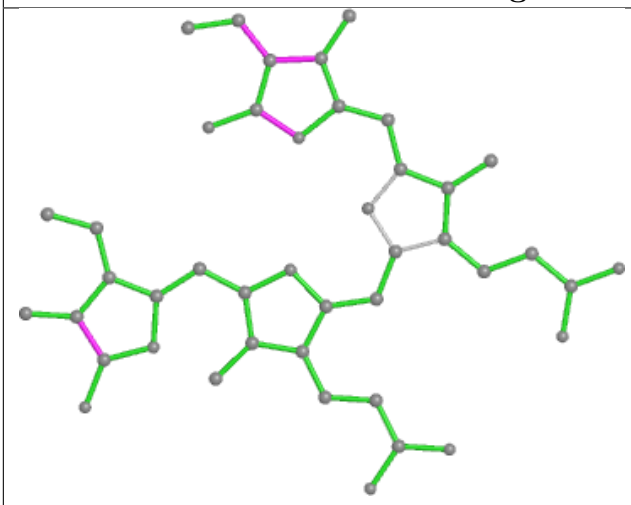


Rings

Ligand PEB jK 1001



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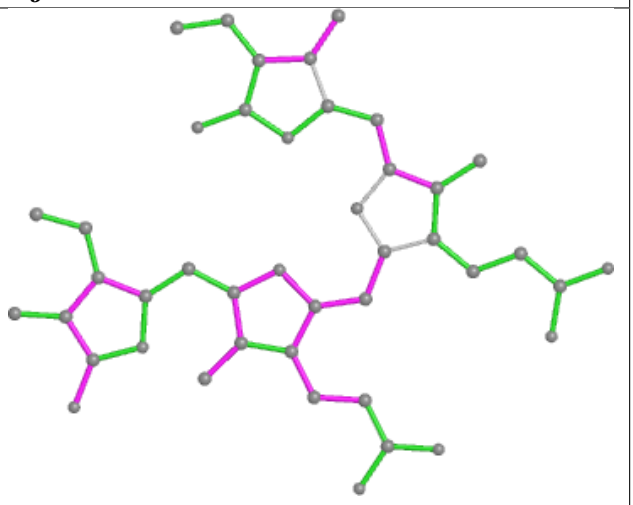

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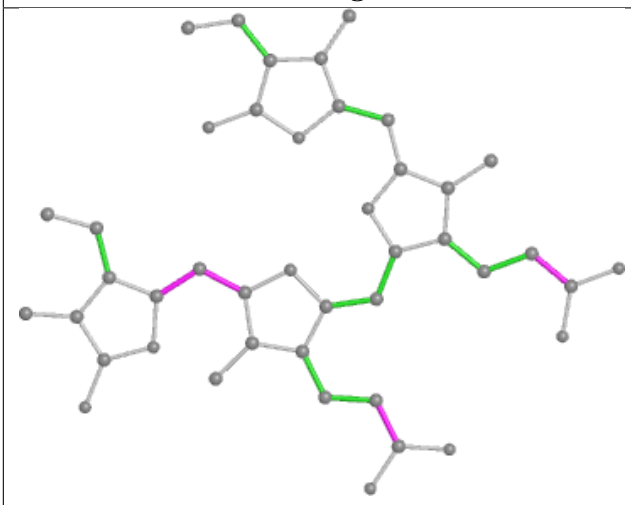

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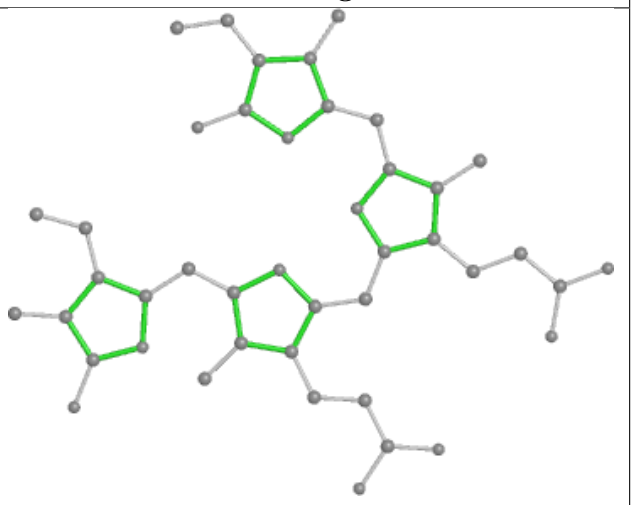

Rings

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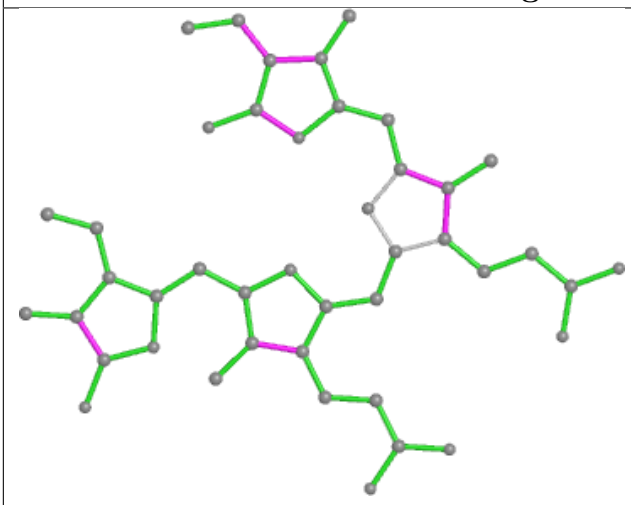

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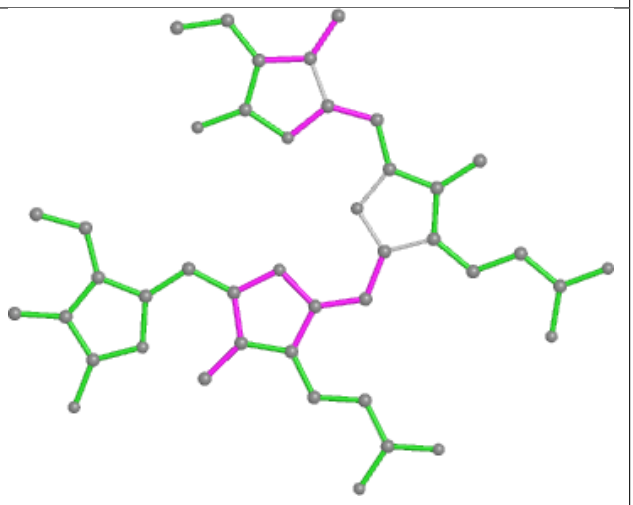

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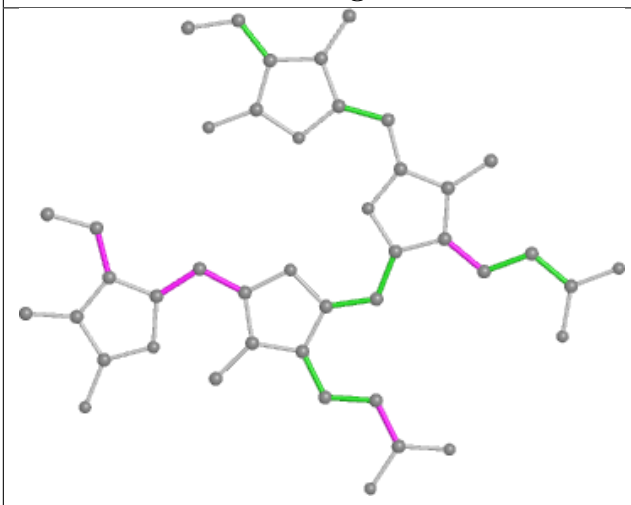

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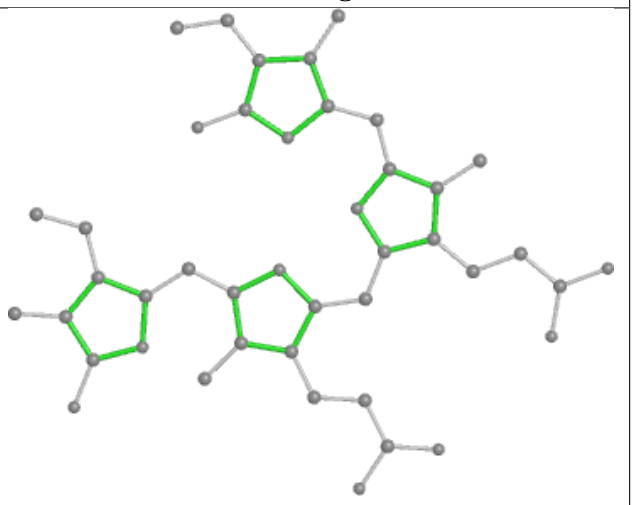

Rings

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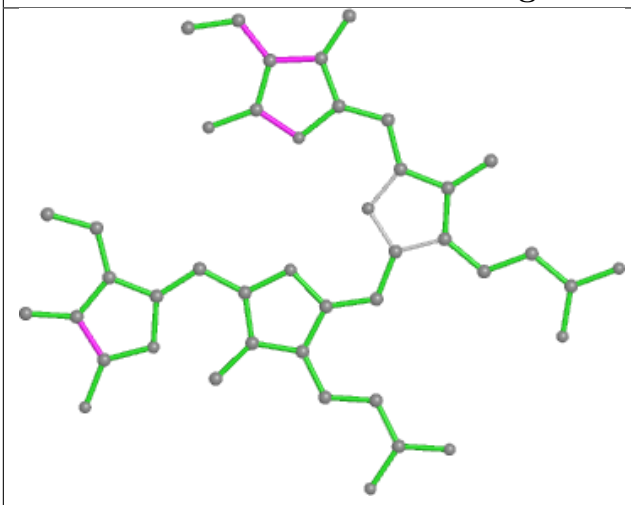

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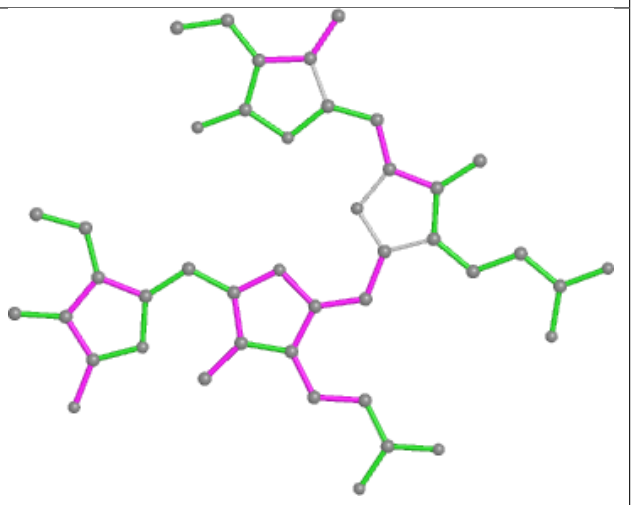

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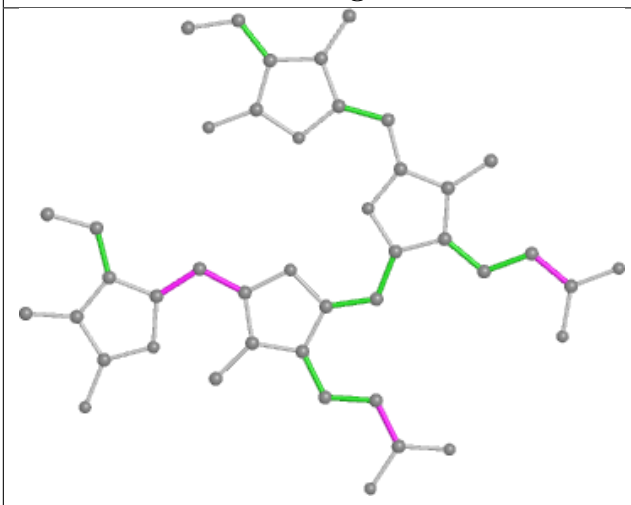

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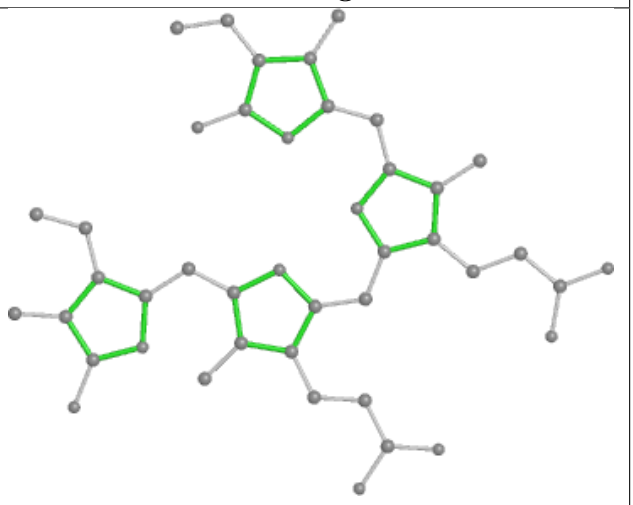

Rings

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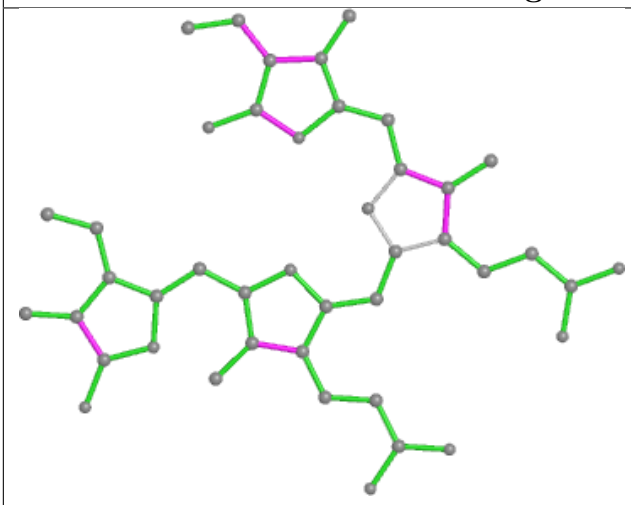

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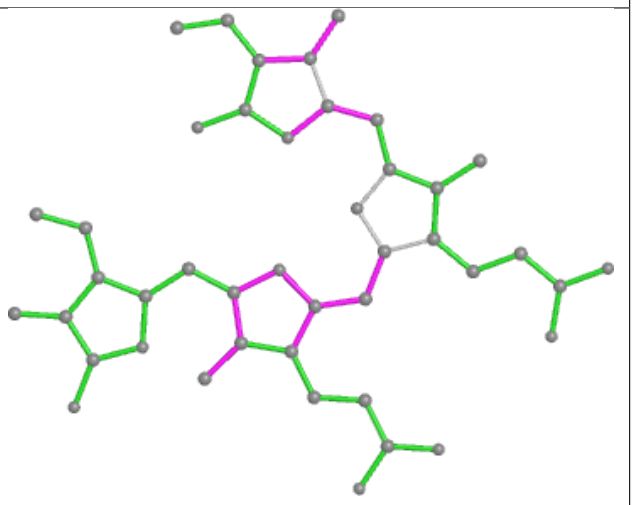

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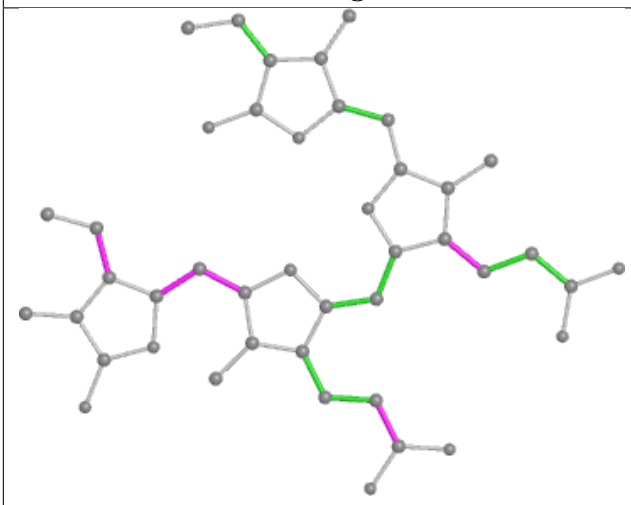

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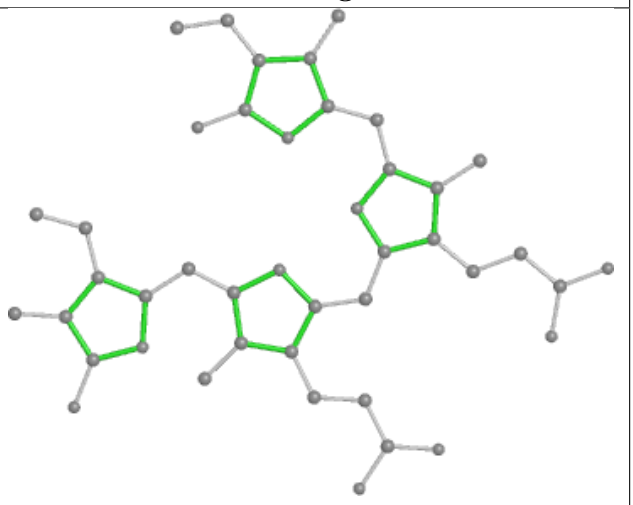
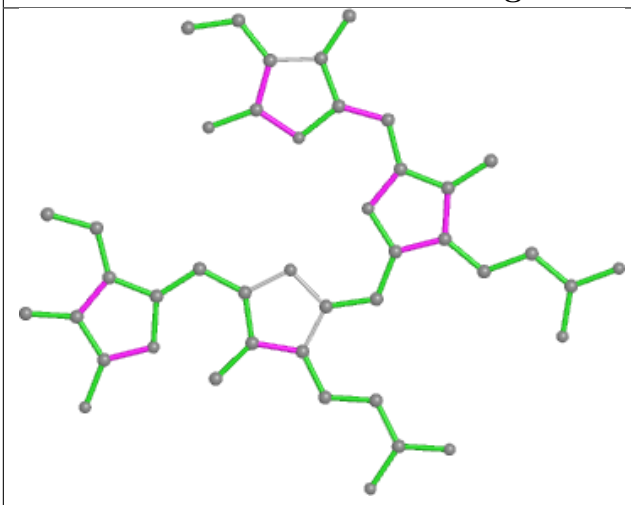


Rings

Ligand PUB A2 1005



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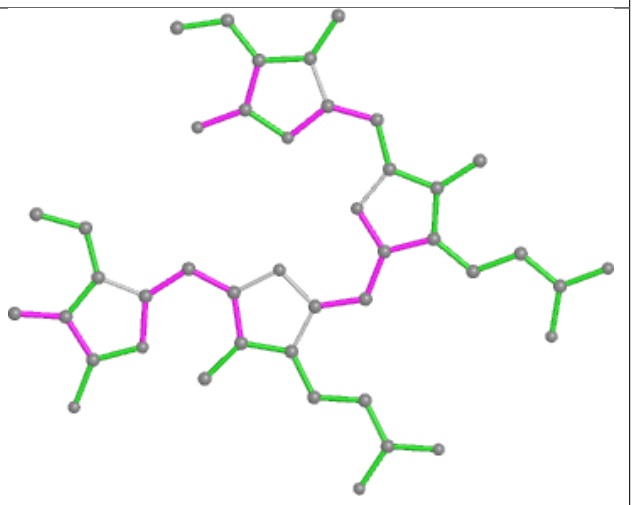

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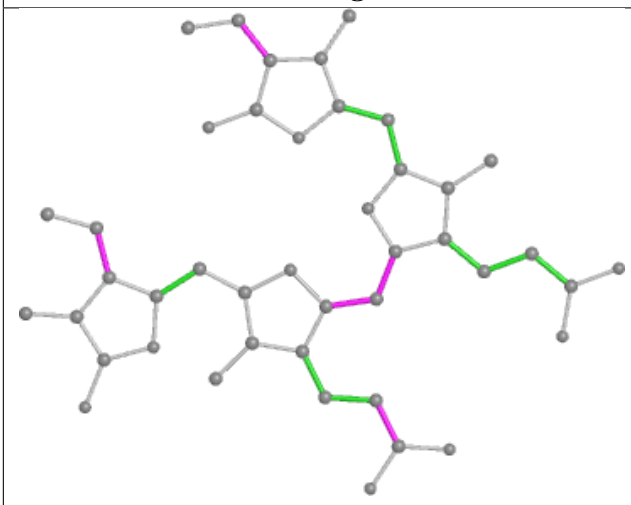

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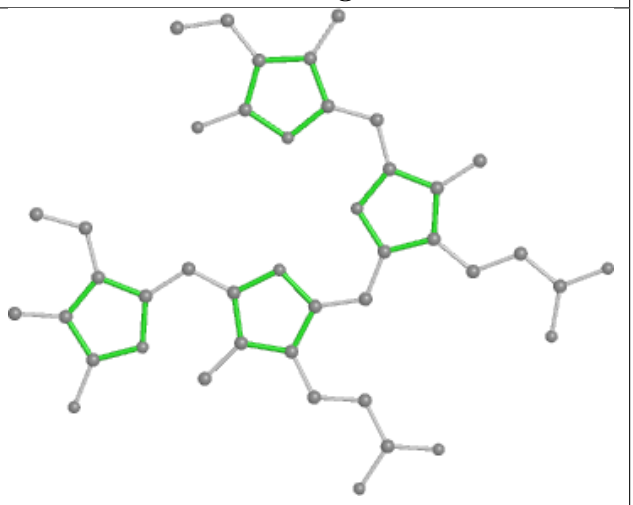
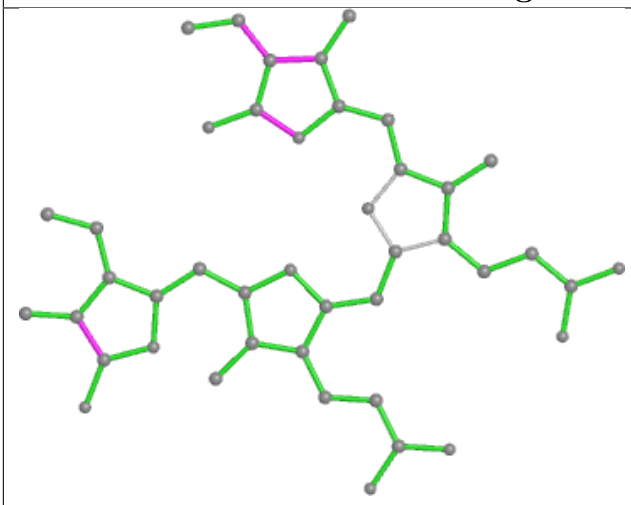


Rings

Ligand PEB X7 201



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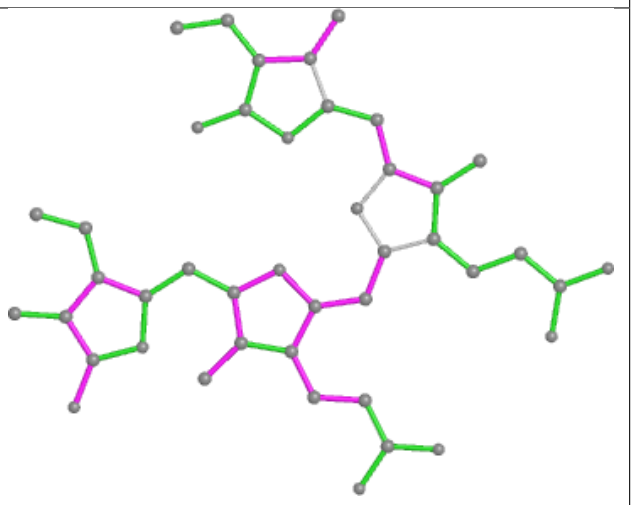

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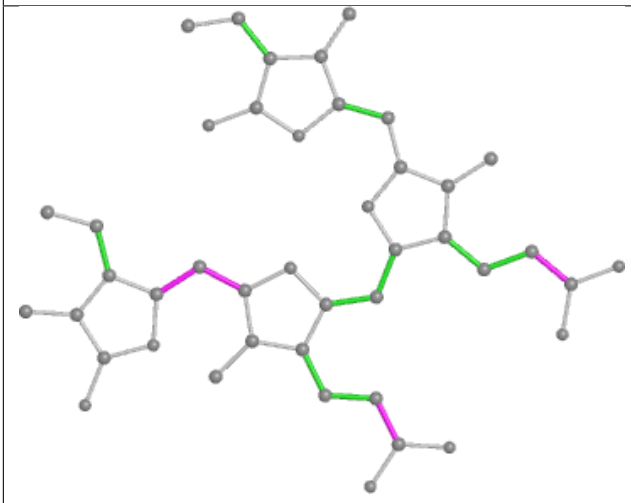

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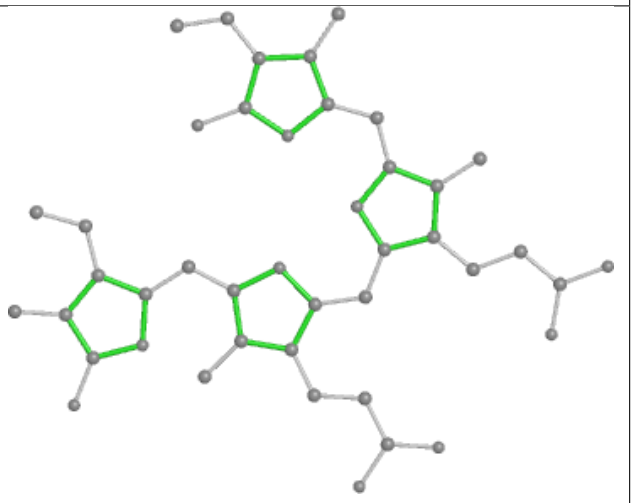

Rings

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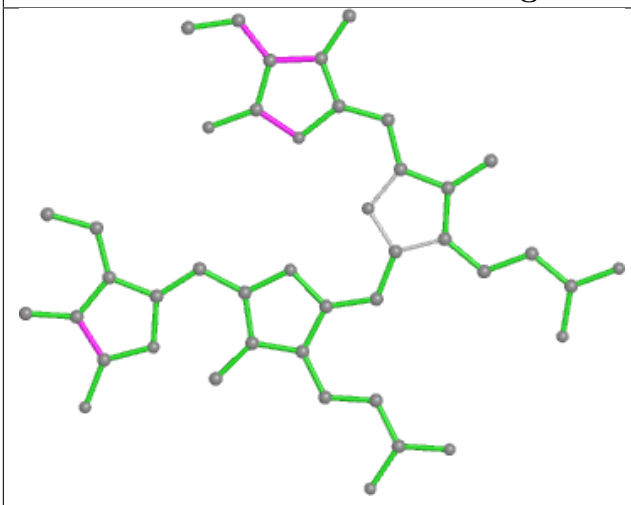

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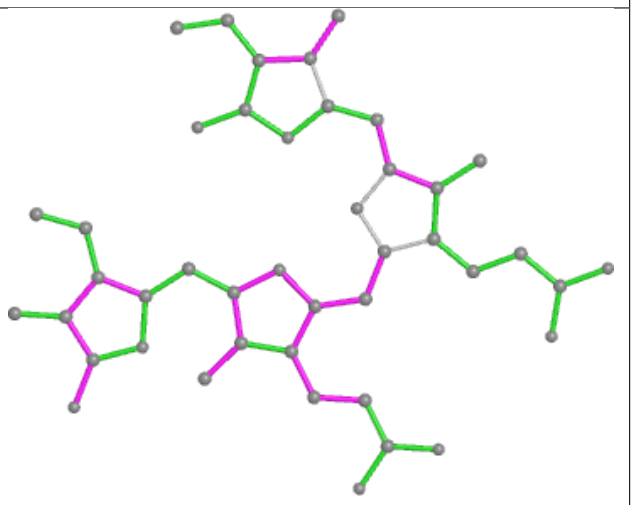

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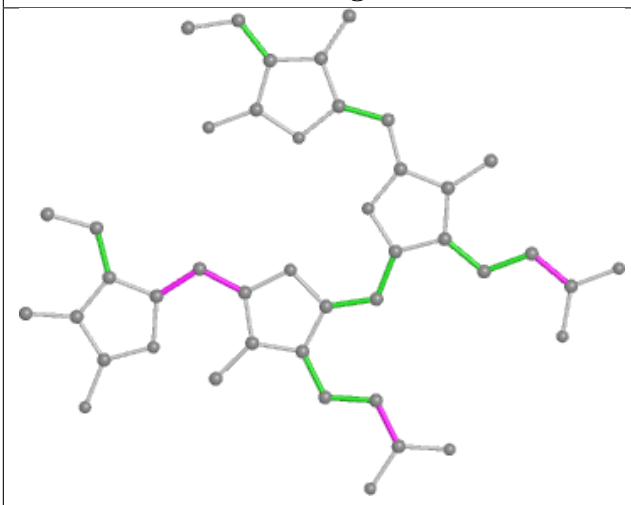

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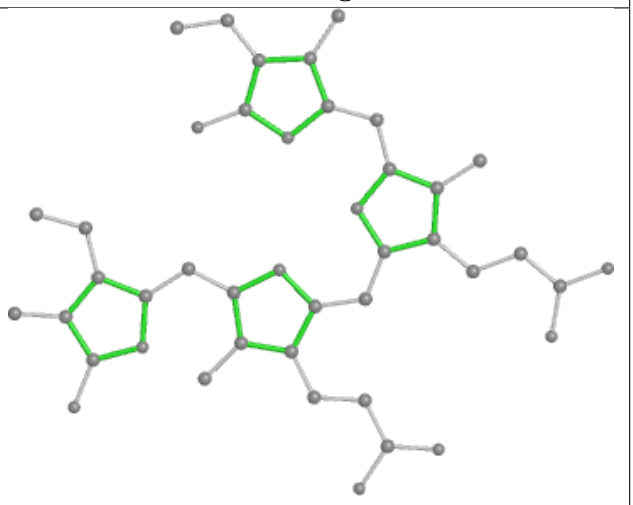
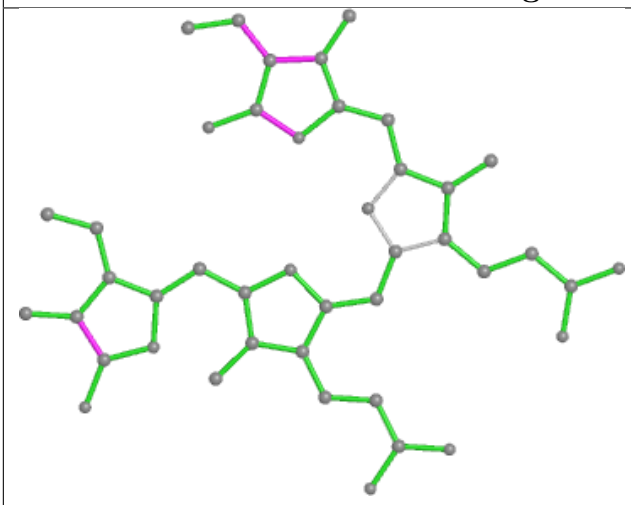


Rings

Ligand PEB fd 302



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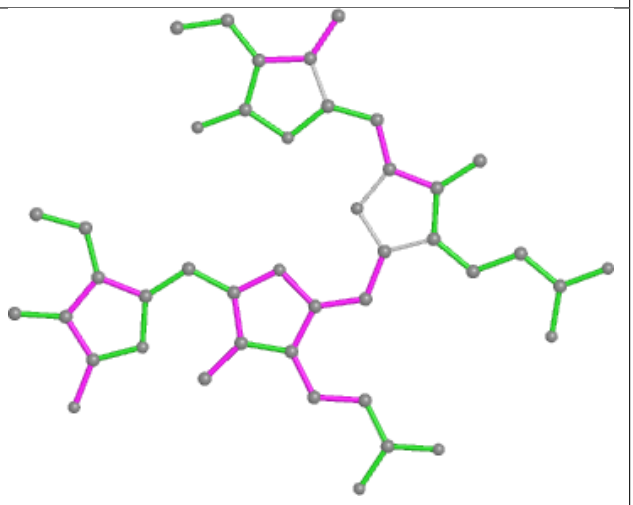

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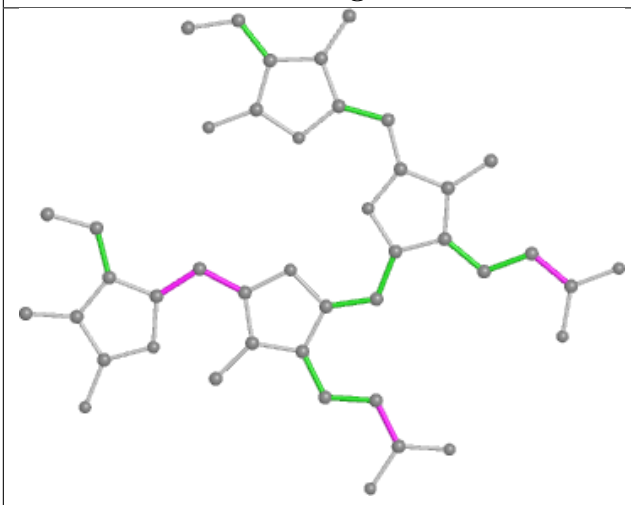

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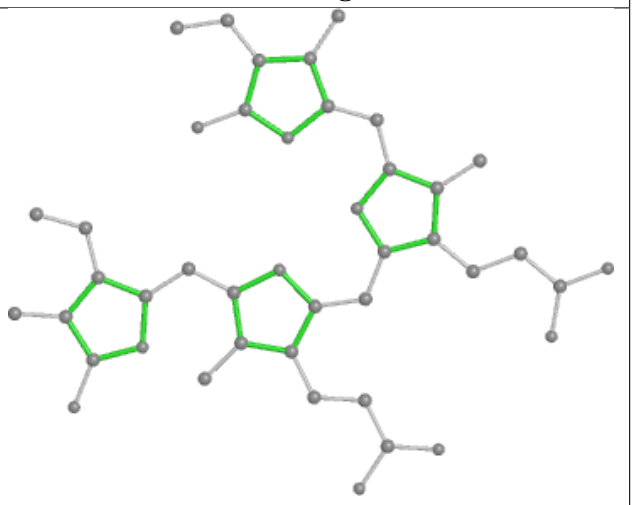
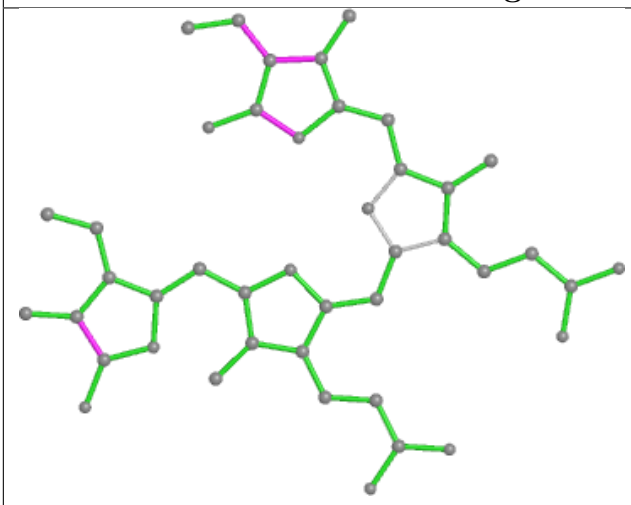


Rings

Ligand PEB bm 1002



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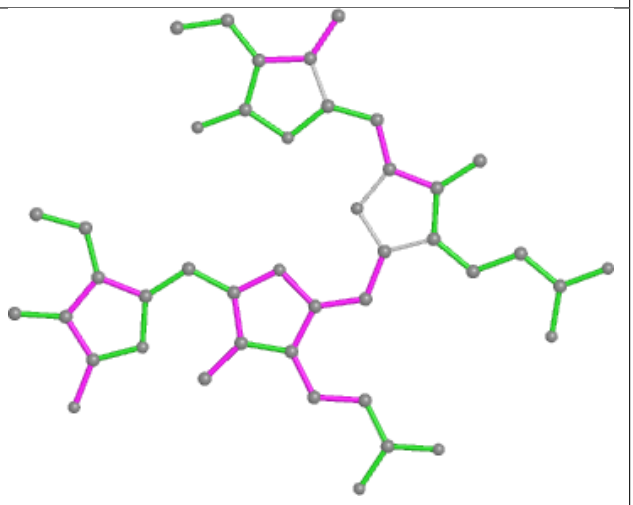
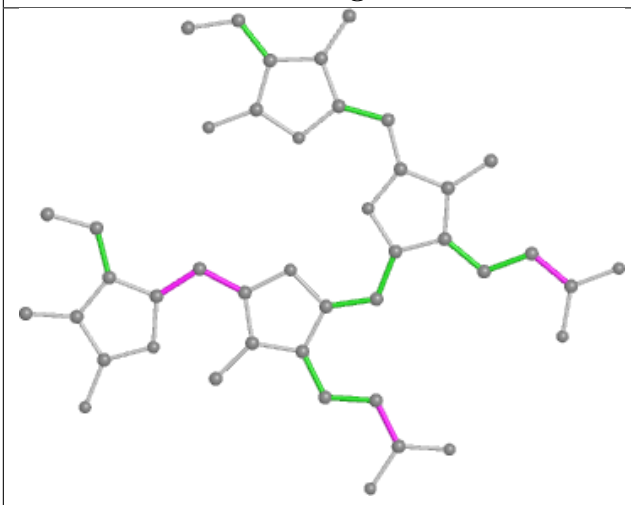


Bond angles



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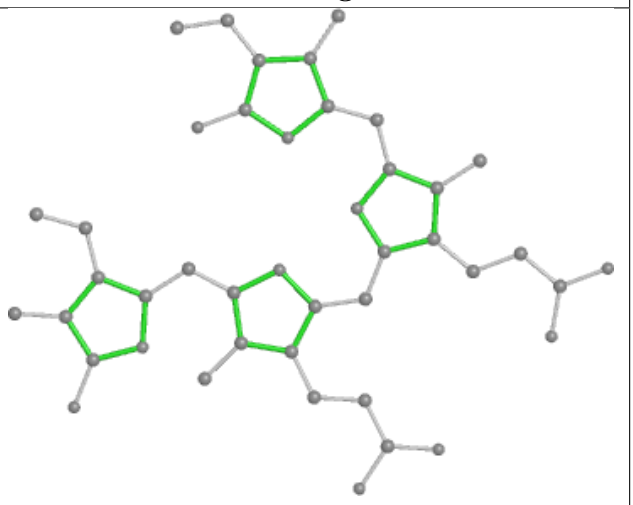
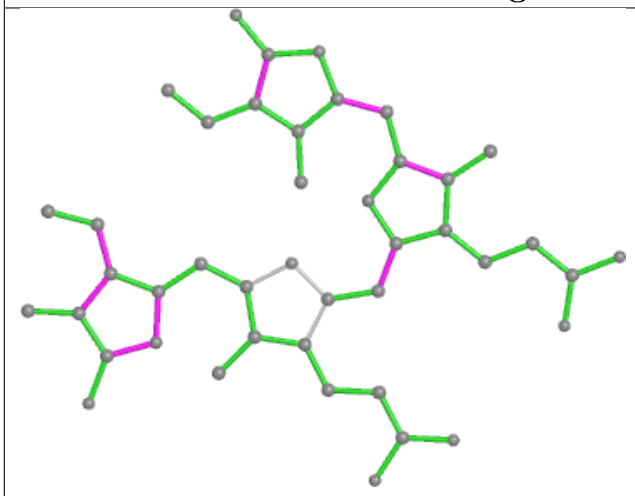


Rings

Ligand PVN a3 1004



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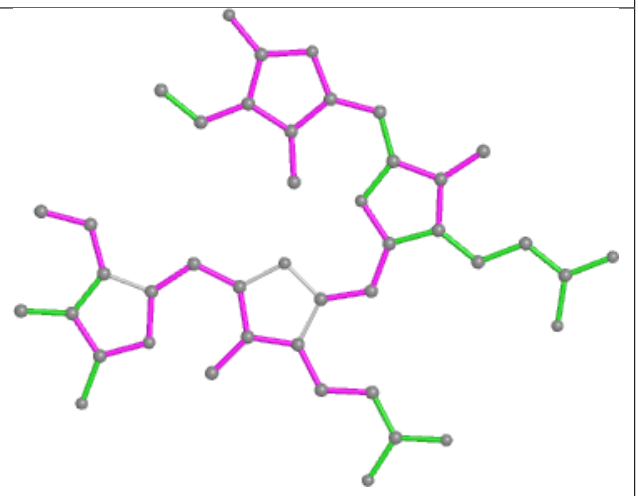
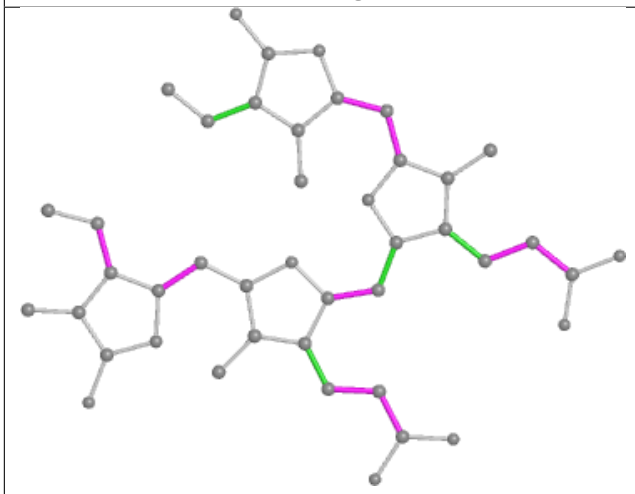


Bond angles



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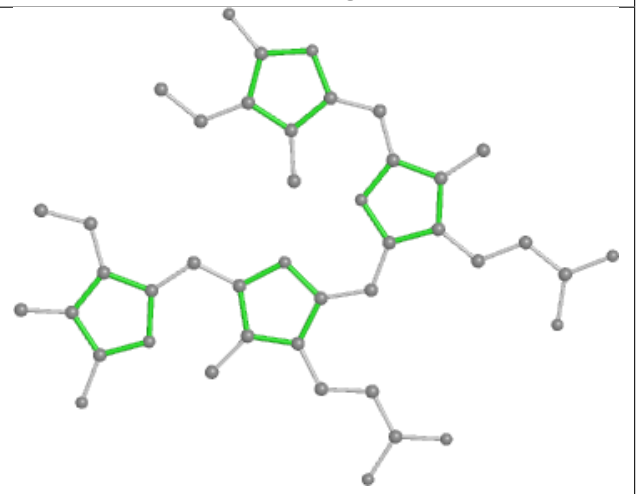
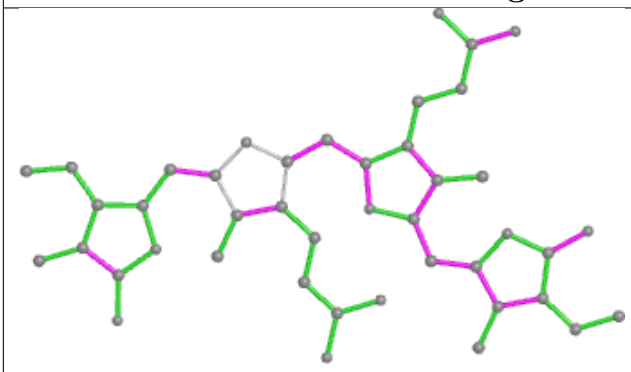


Rings

Ligand CYC W1 201



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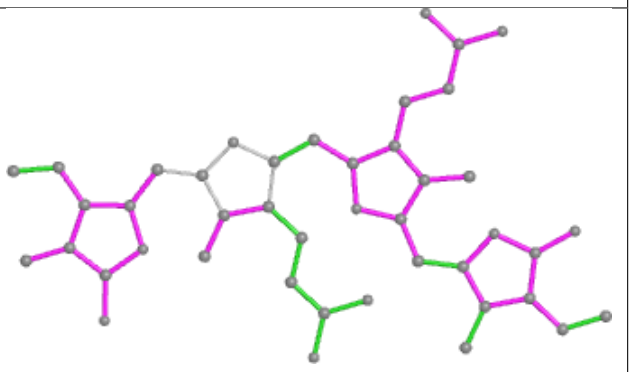
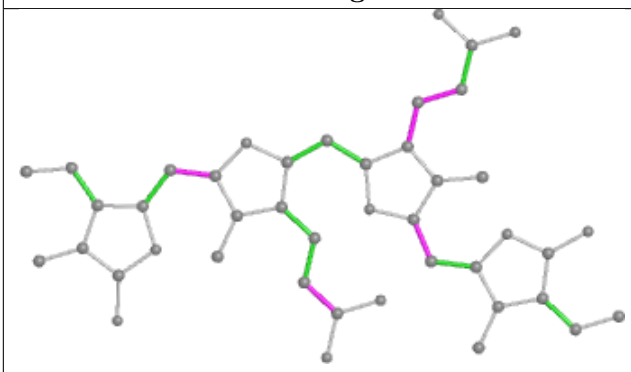
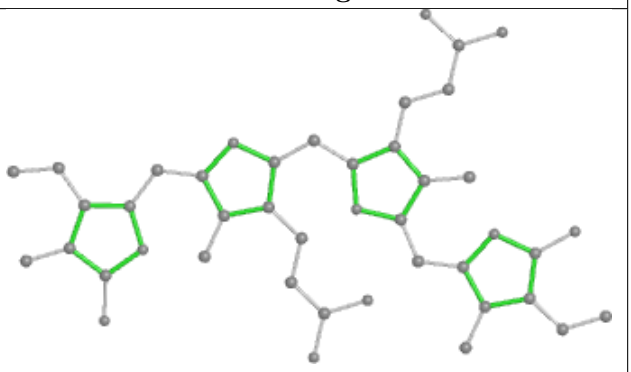


Bond angles

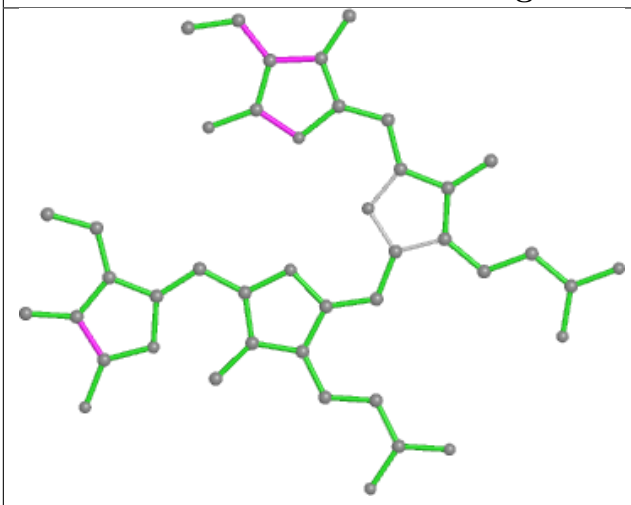


Torsions



Rings

Ligand PEB C7 201



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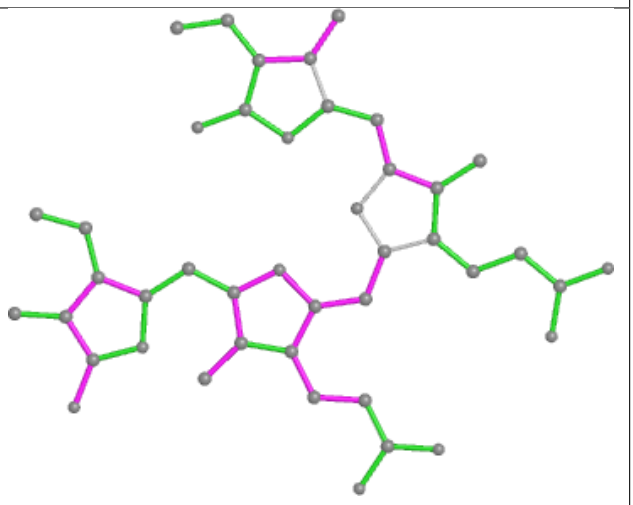

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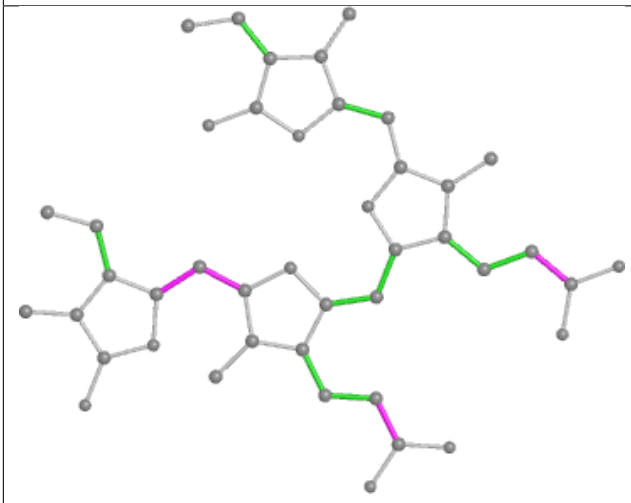

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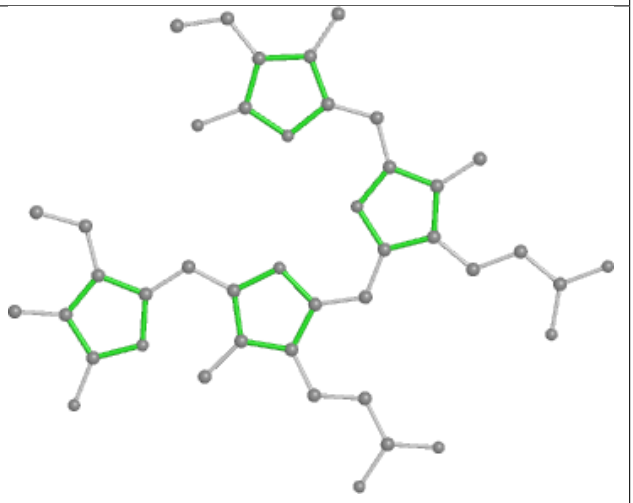
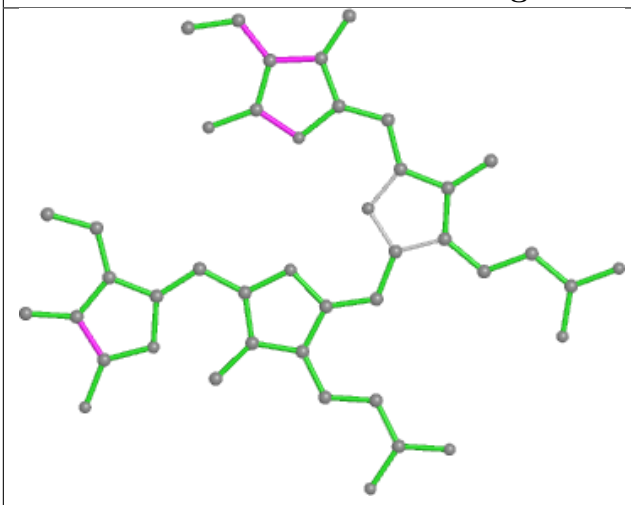


Rings

Ligand PEB iA 1001



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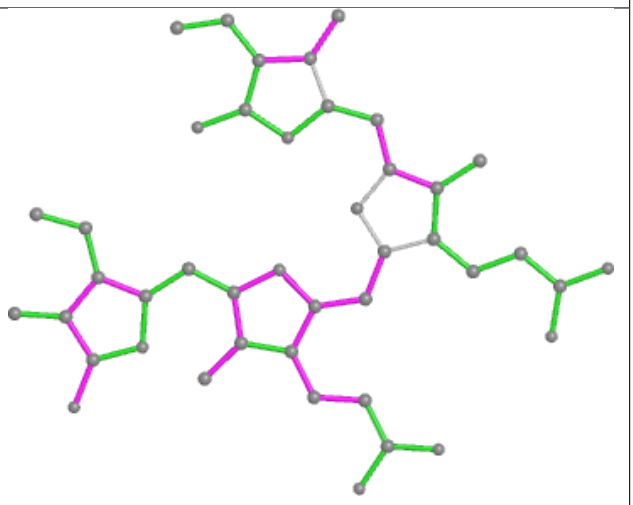

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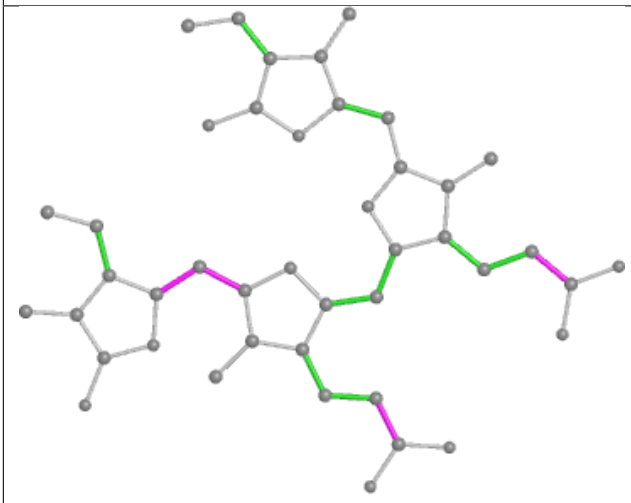

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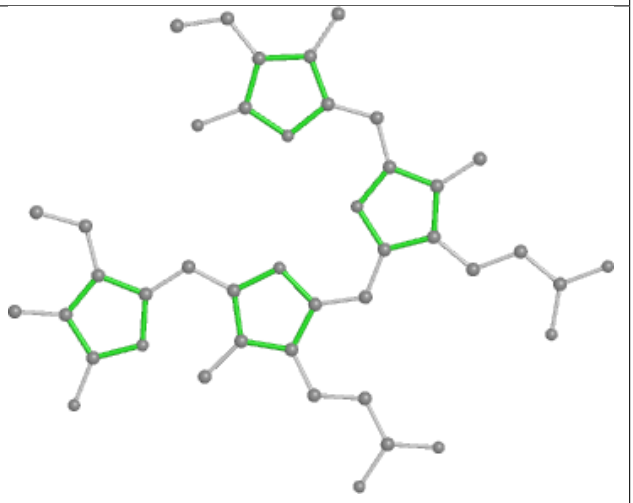
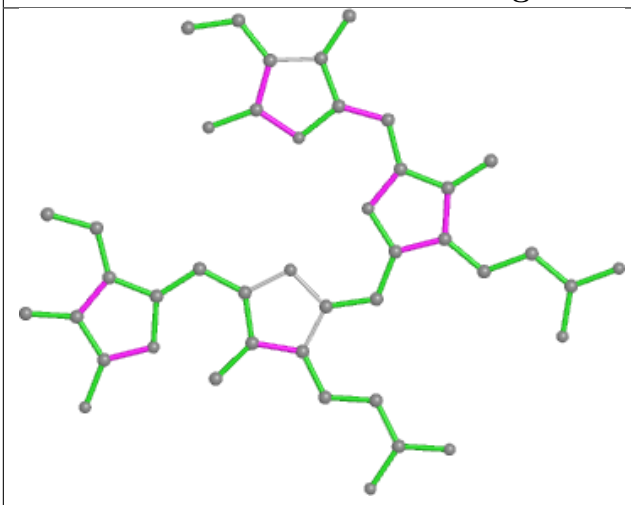


Rings

Ligand PUB bV 203



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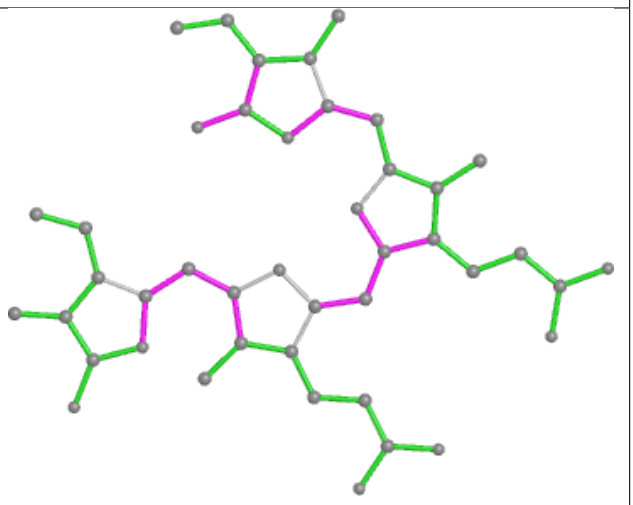
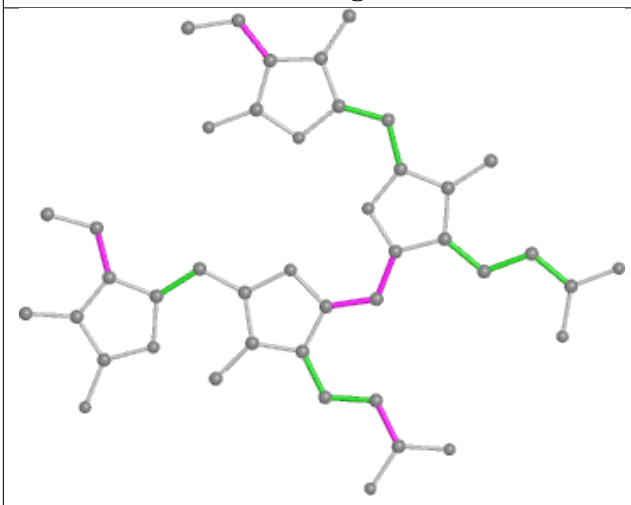


Bond angles



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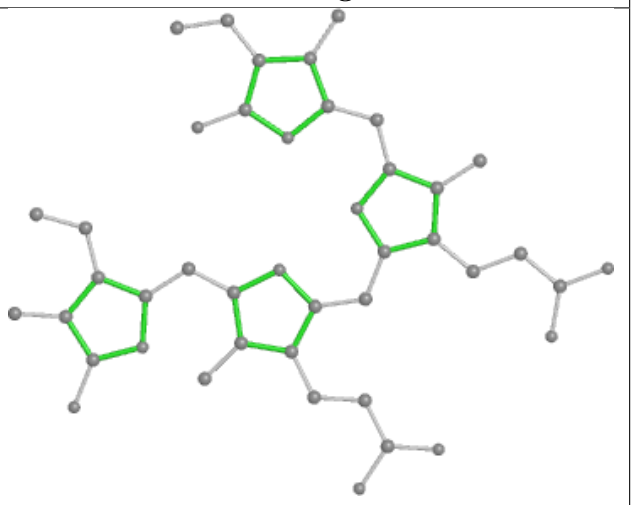
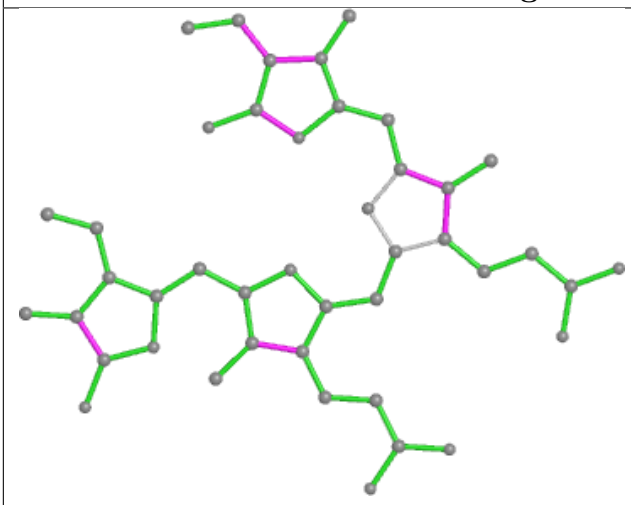


Rings

Ligand PEB cJ 202



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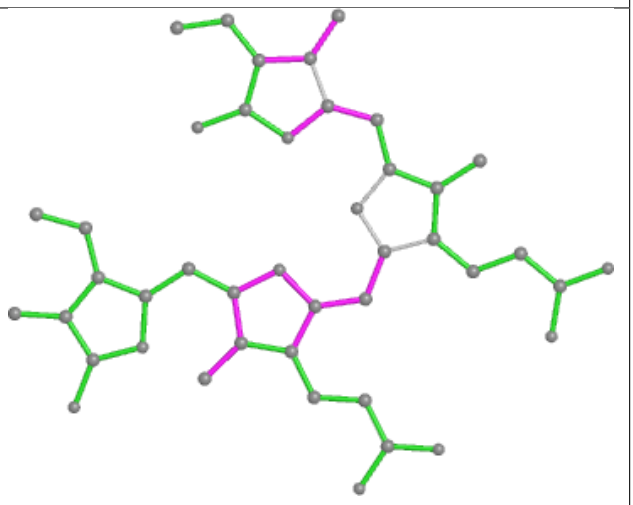

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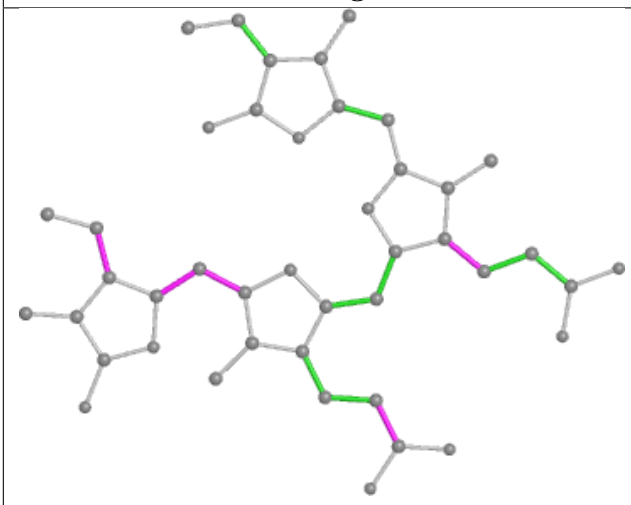

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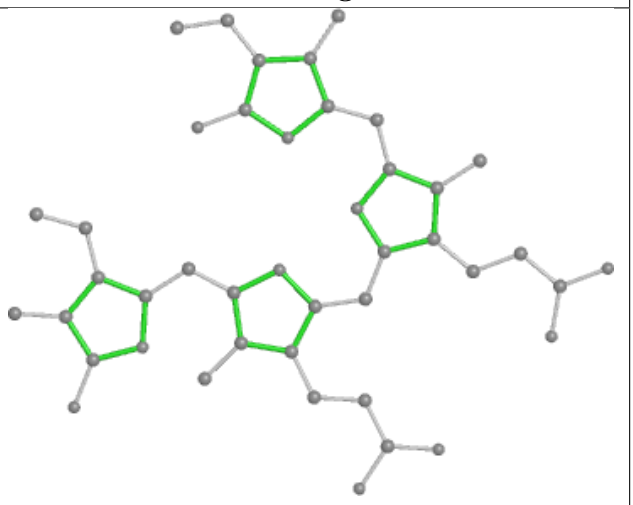

Rings

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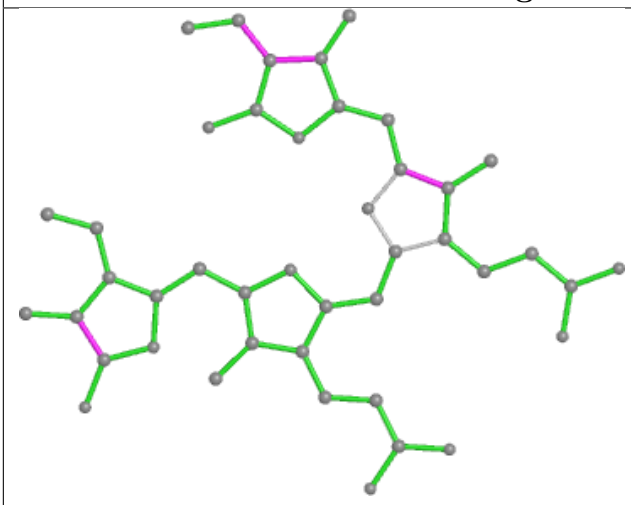

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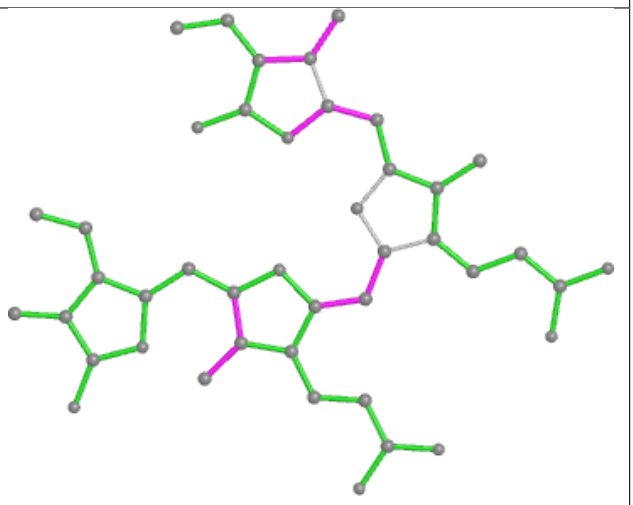

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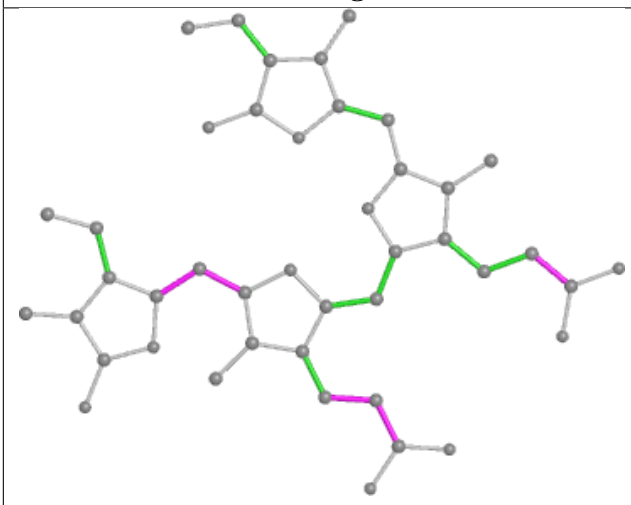

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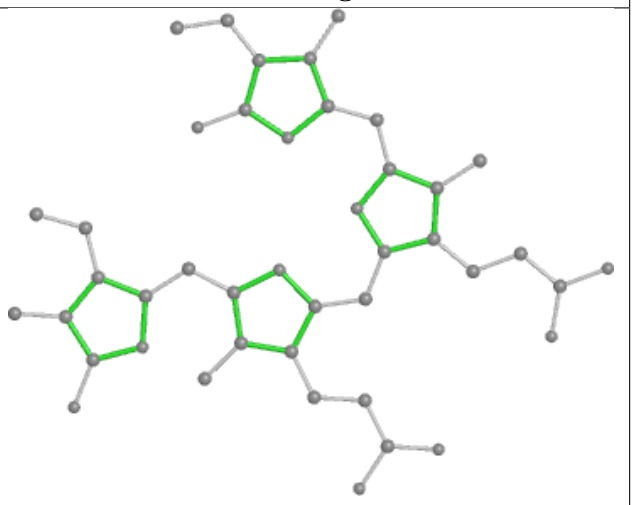

Rings

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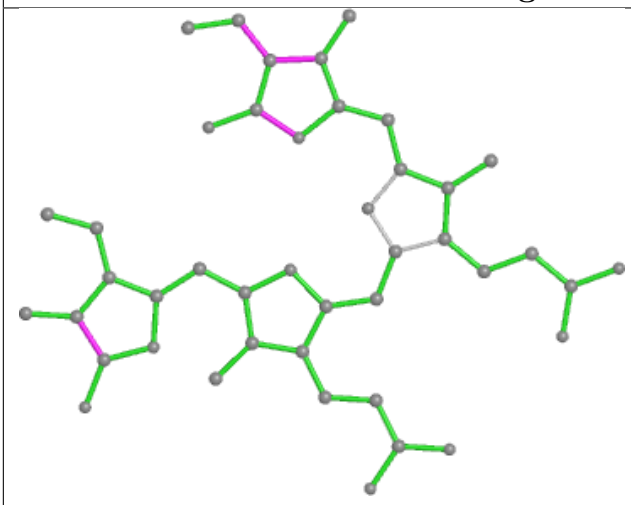

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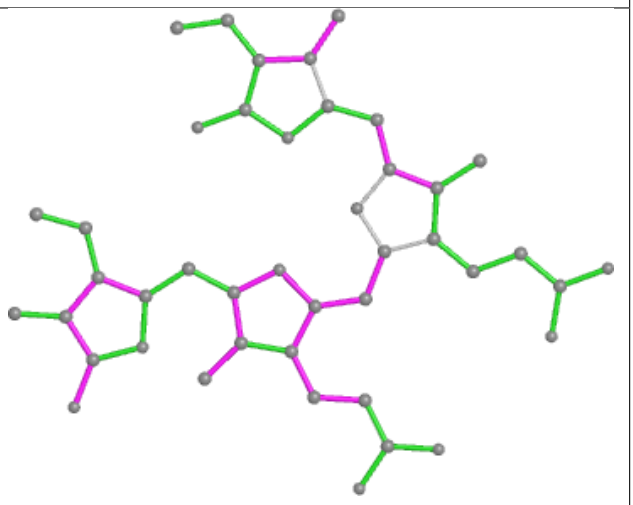

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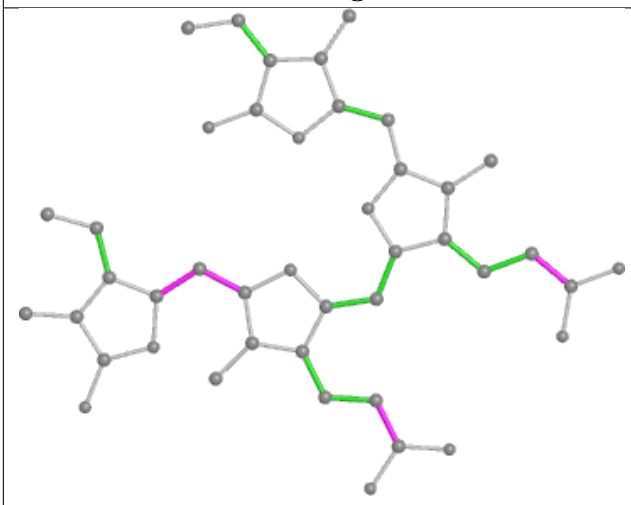

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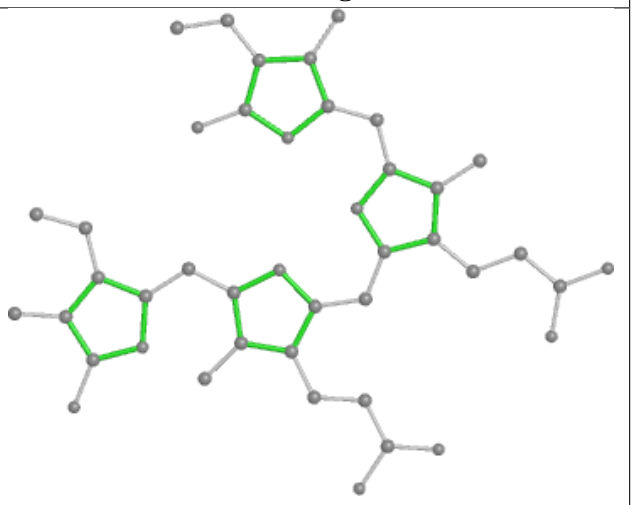

Rings

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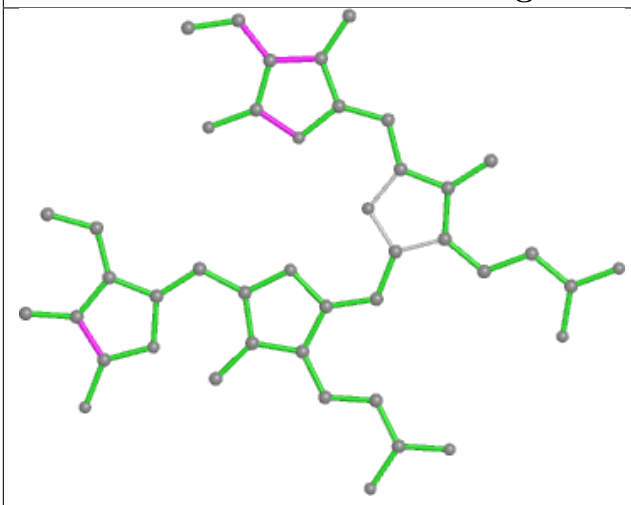

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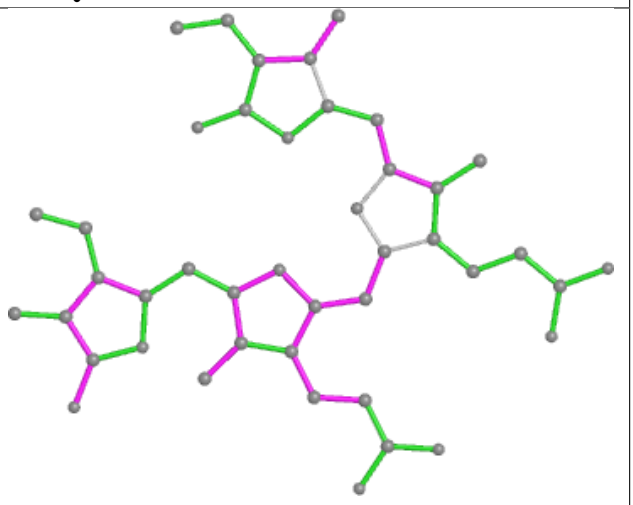

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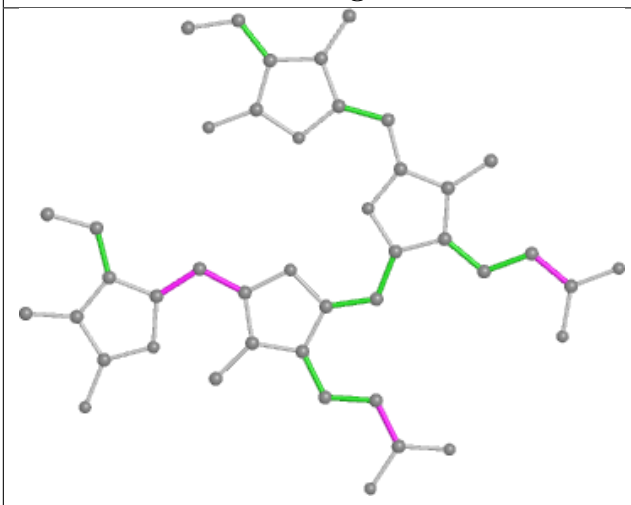

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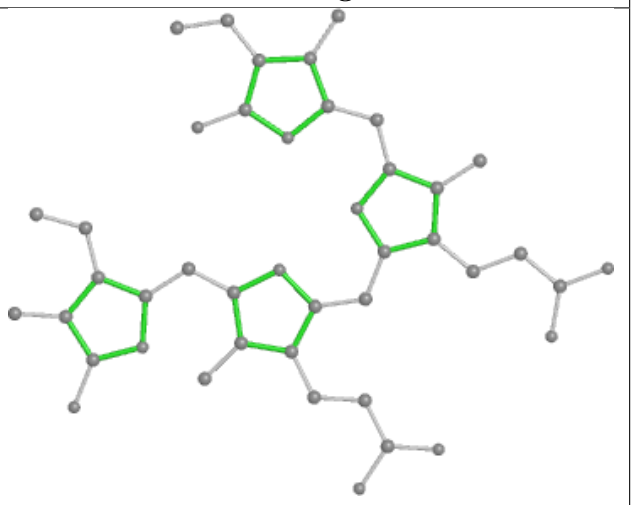
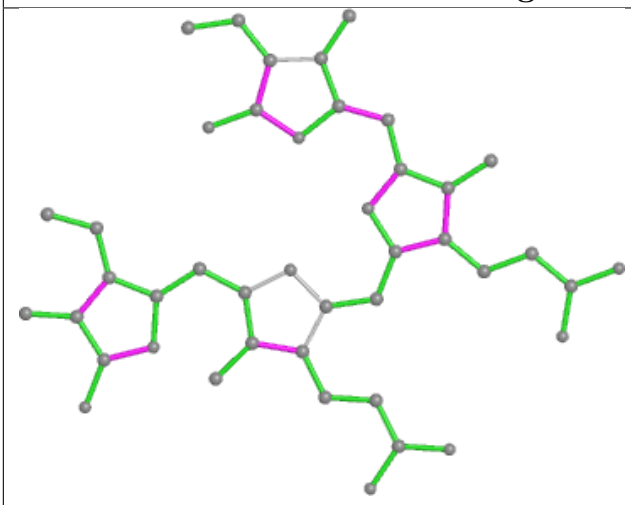


Rings

Ligand PUB v3 203



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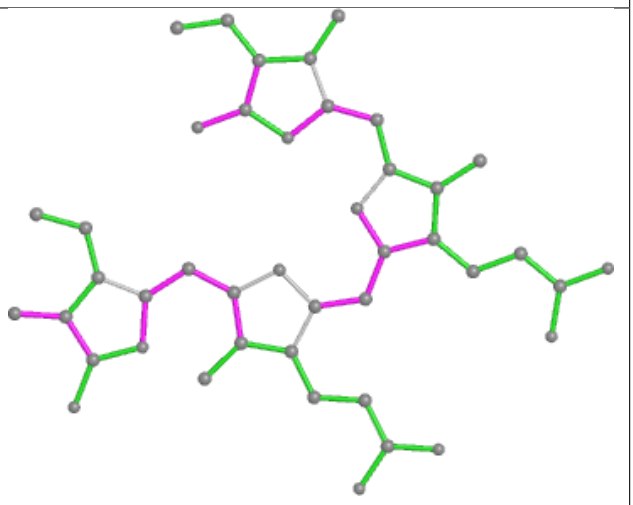

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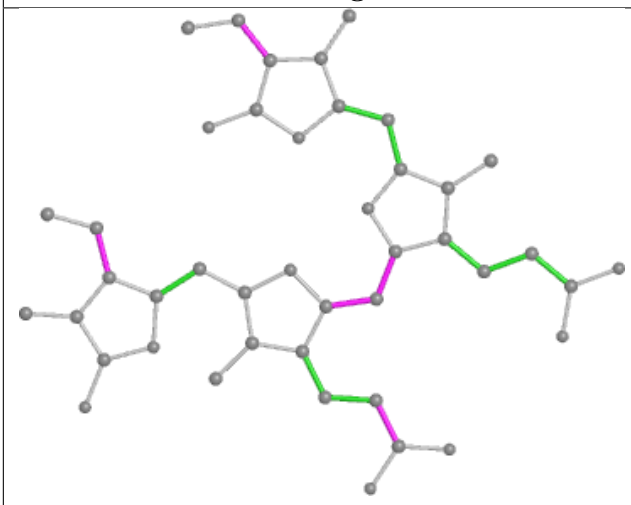

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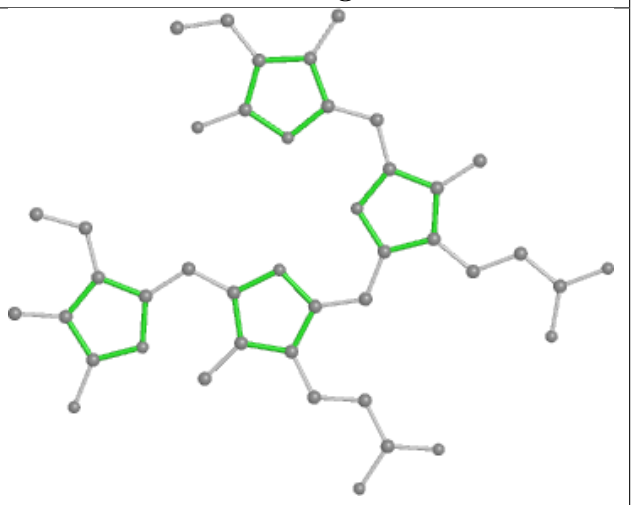
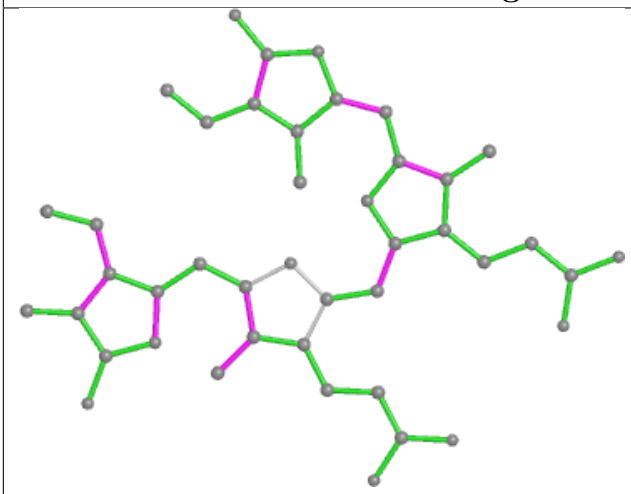


Rings

Ligand PVN bY 1004



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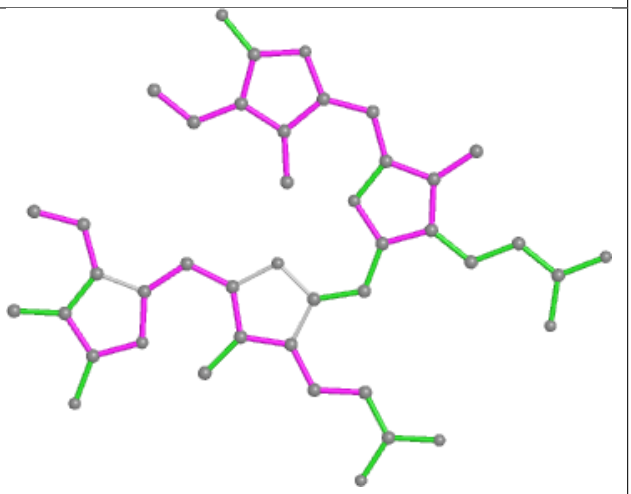

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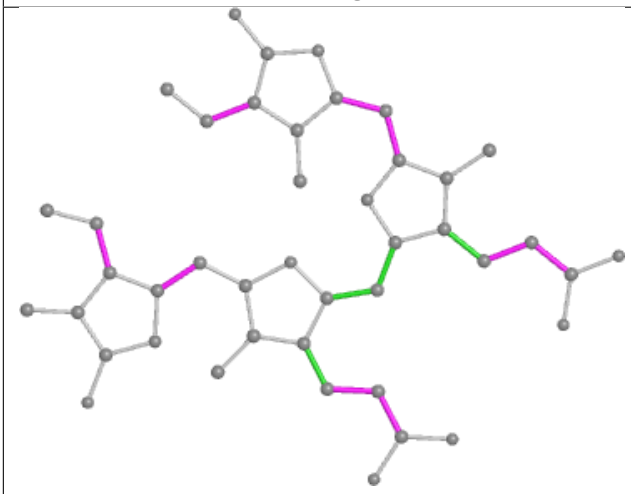

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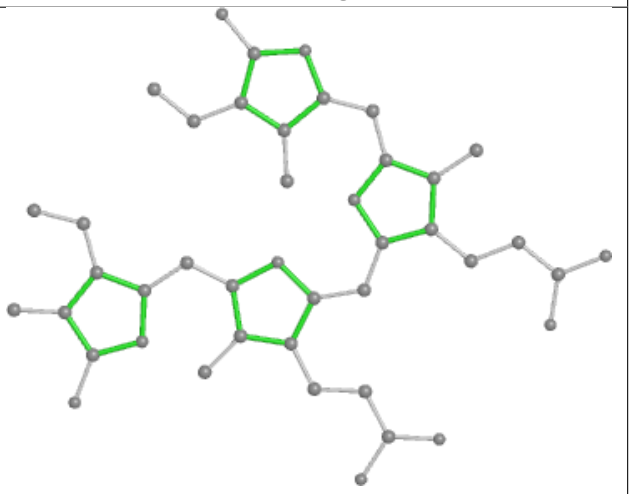
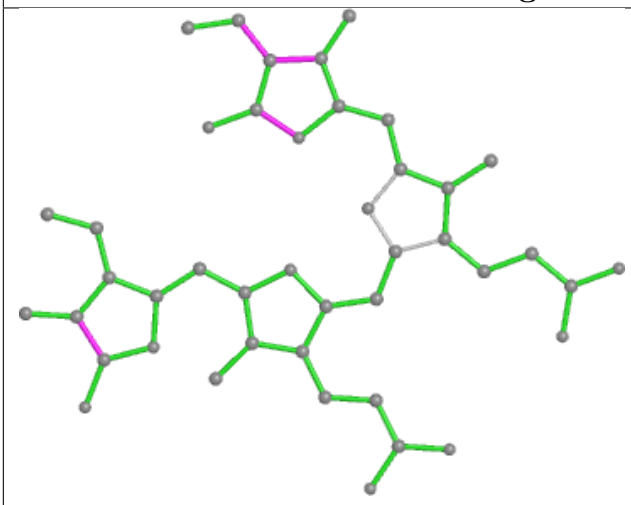


Rings

Ligand PEB ad 201



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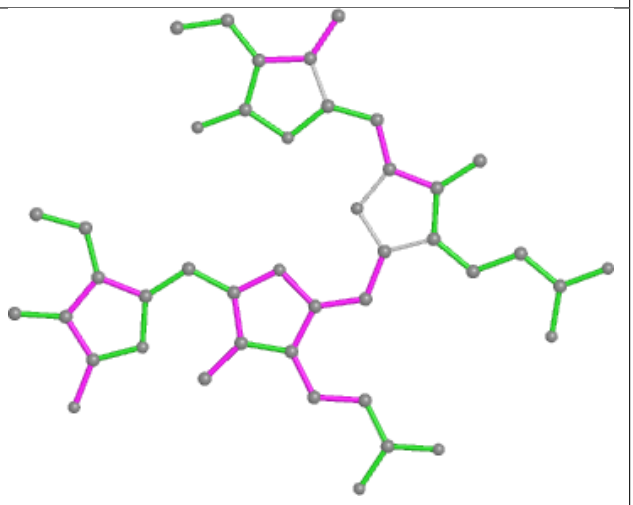

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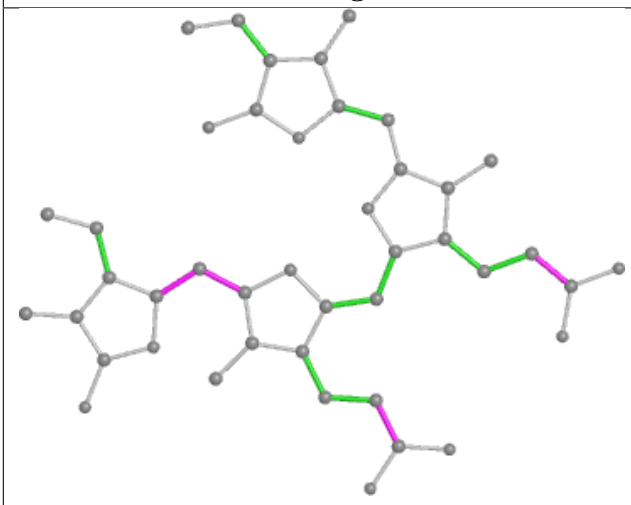

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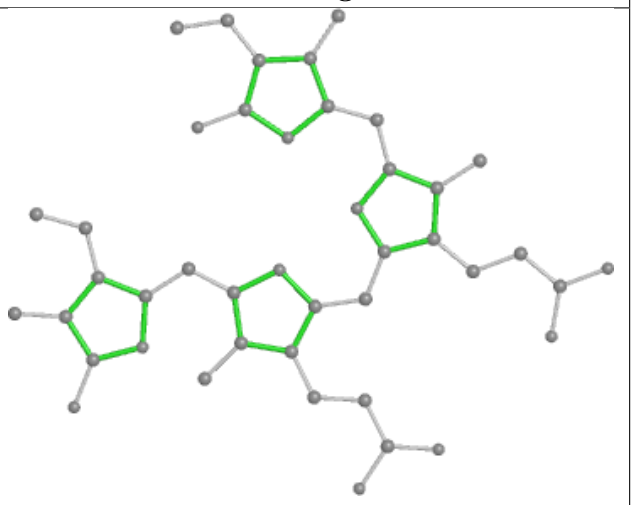
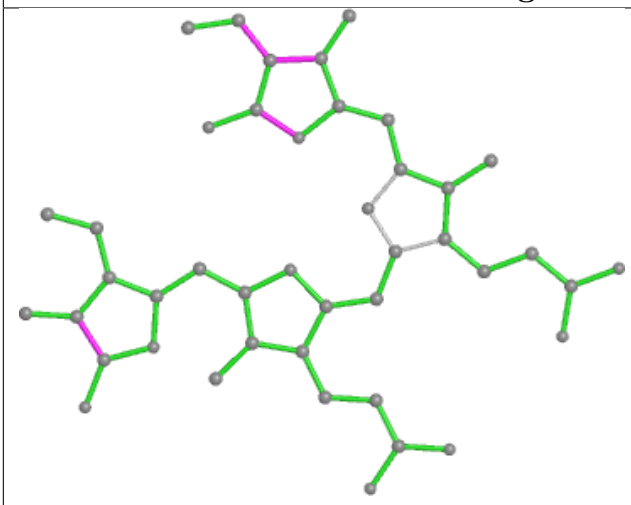


Rings

Ligand PEB bu 202



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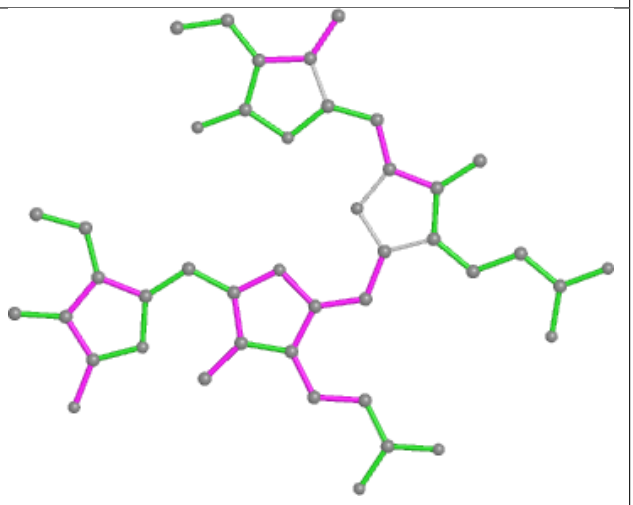

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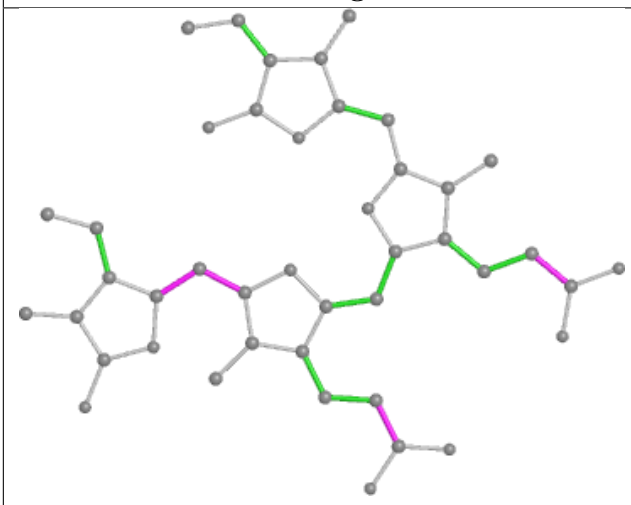

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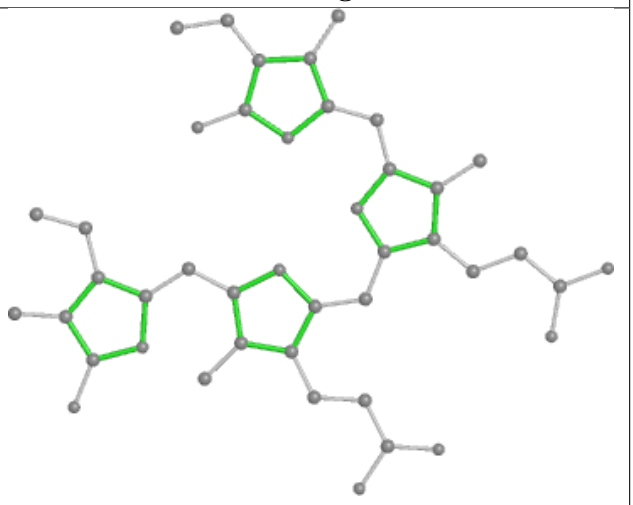
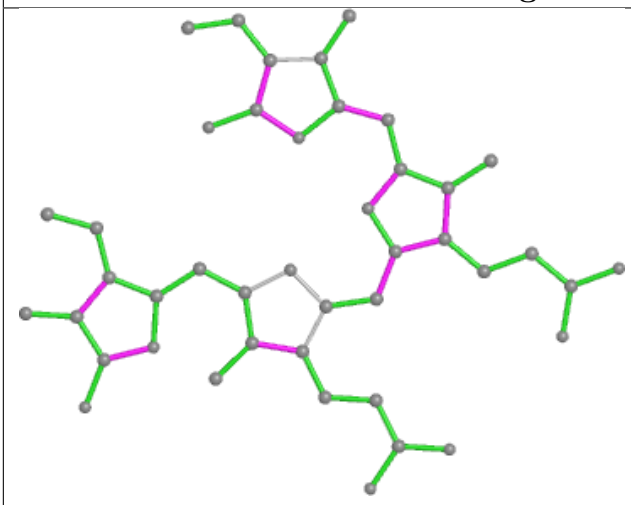


Rings

Ligand PUB gr 202



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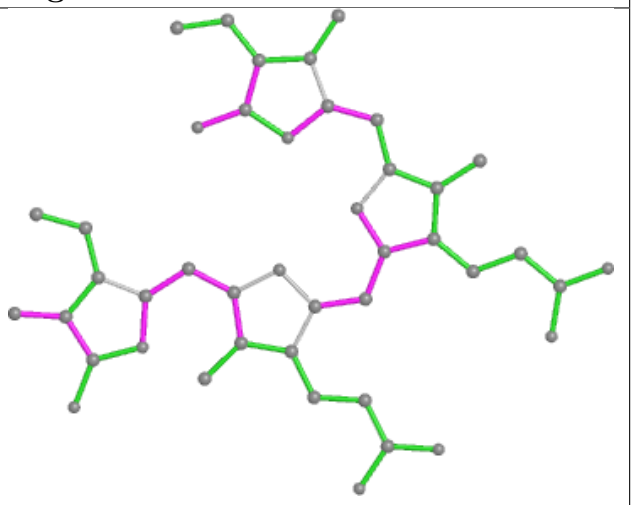
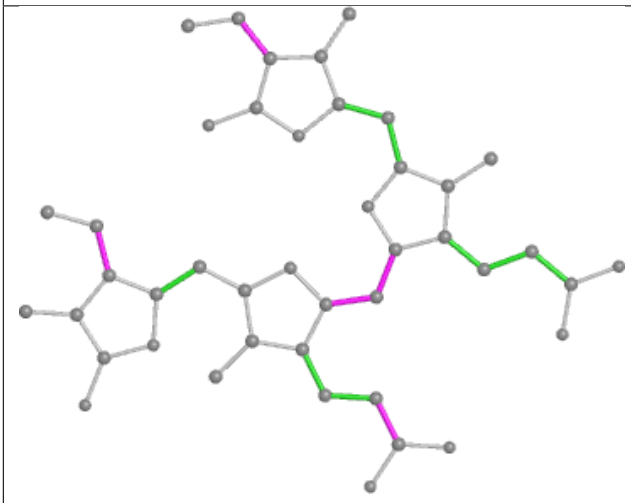


Bond angles



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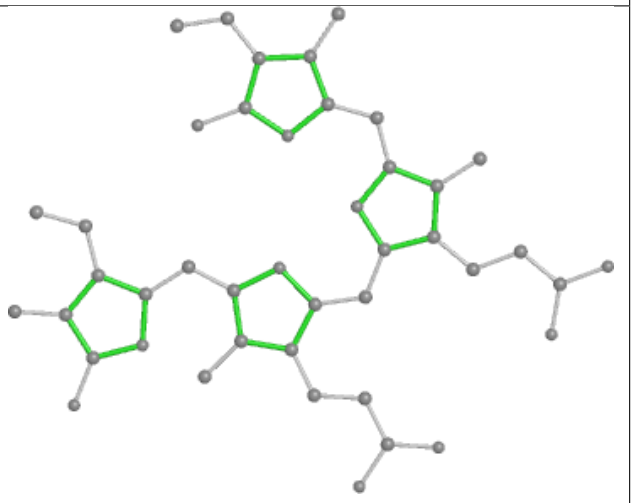

Rings

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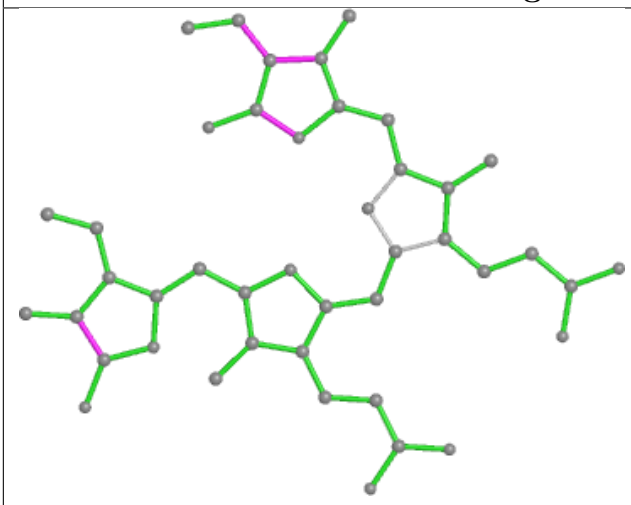

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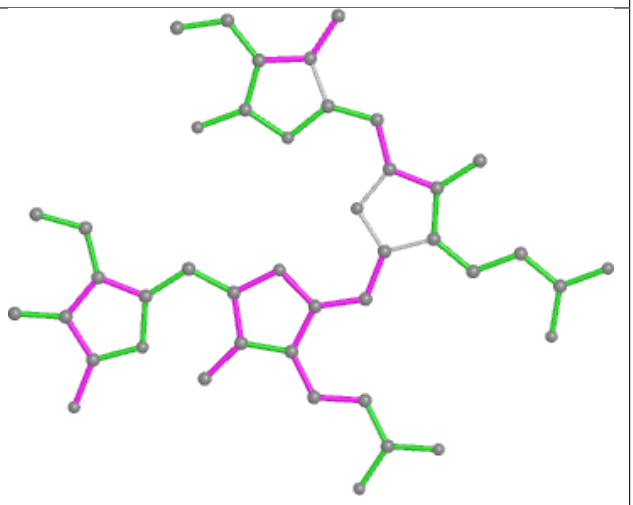
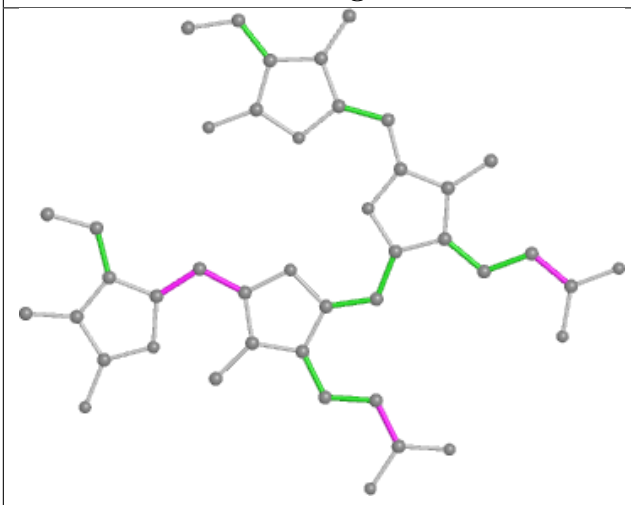
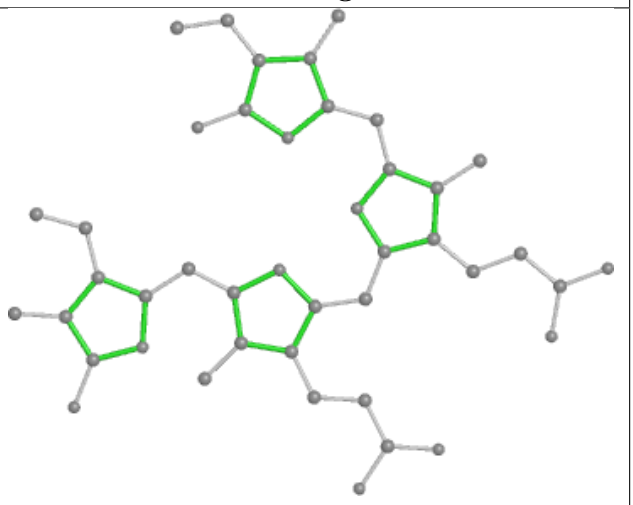


Bond angles

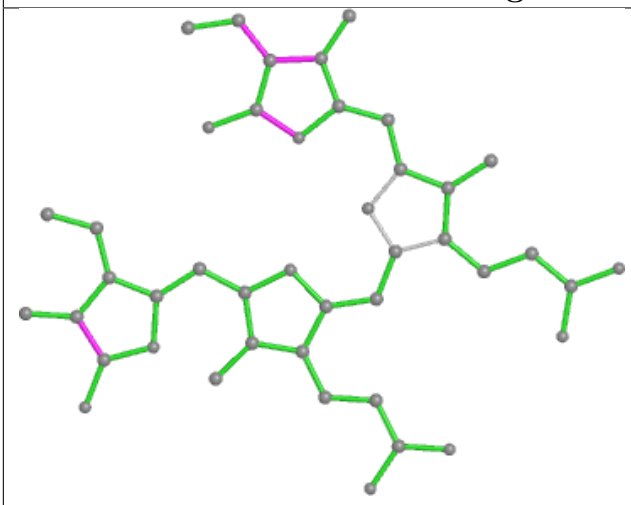


Torsions



Rings

Ligand PEB A2 1002



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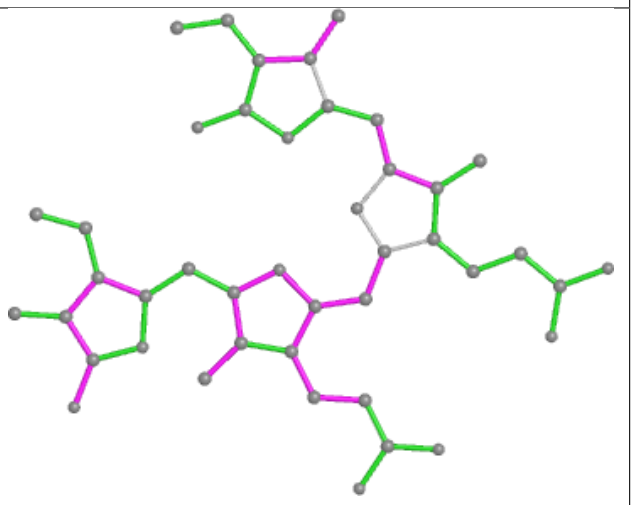

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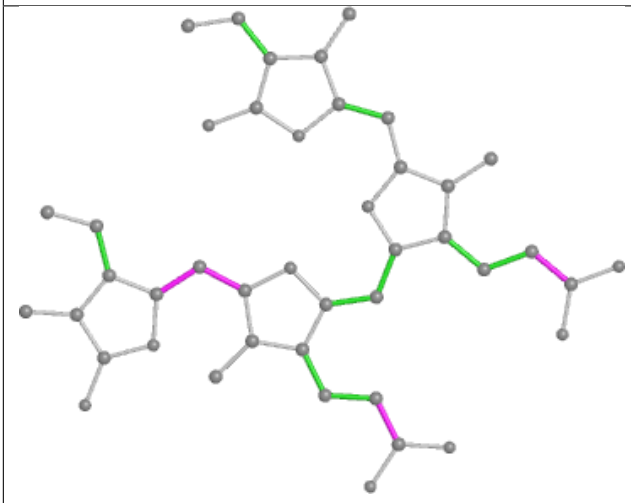

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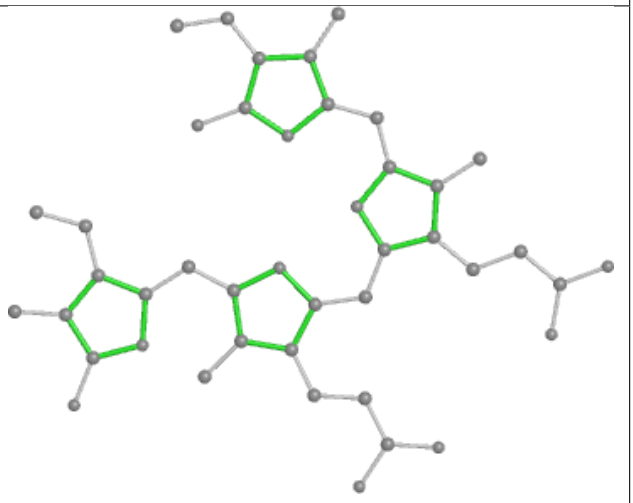
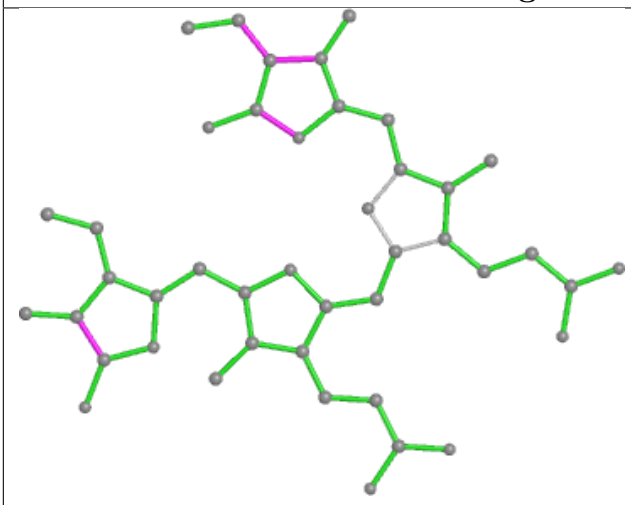


Rings

Ligand PEB d9 303



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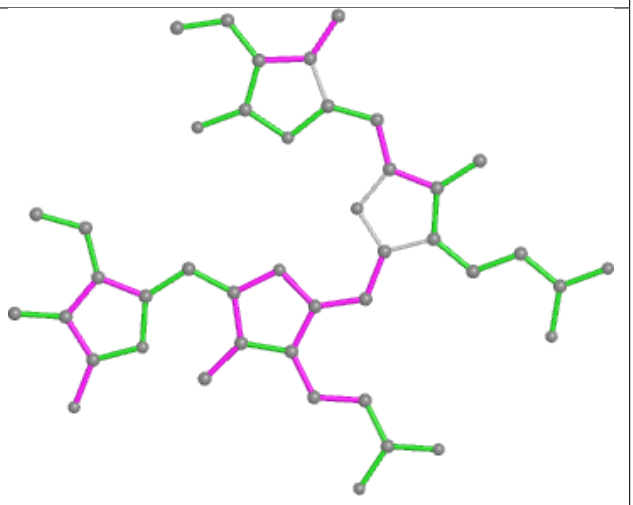

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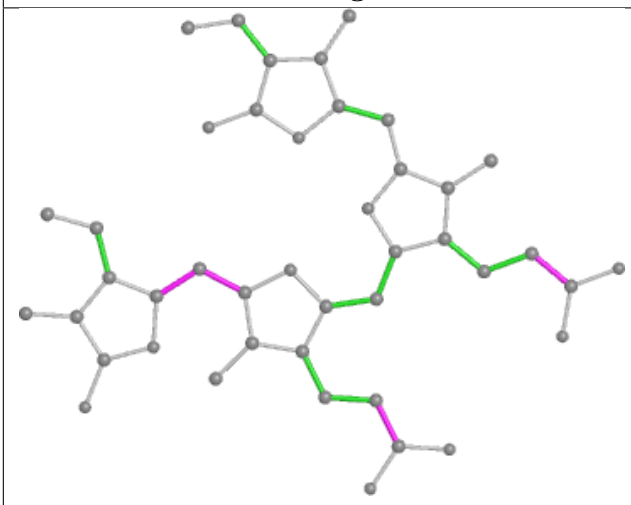

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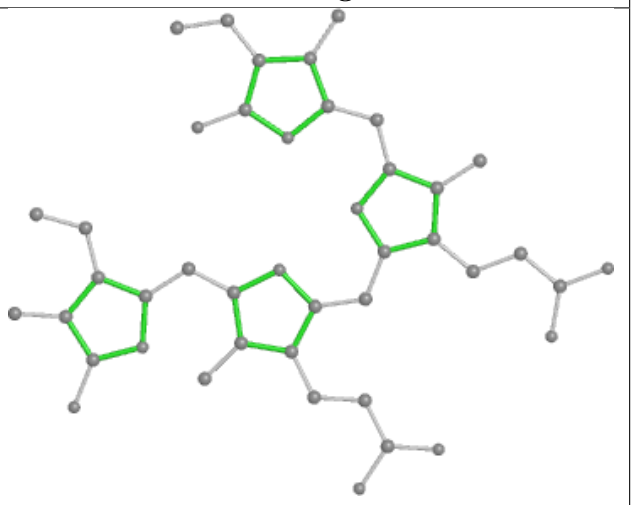
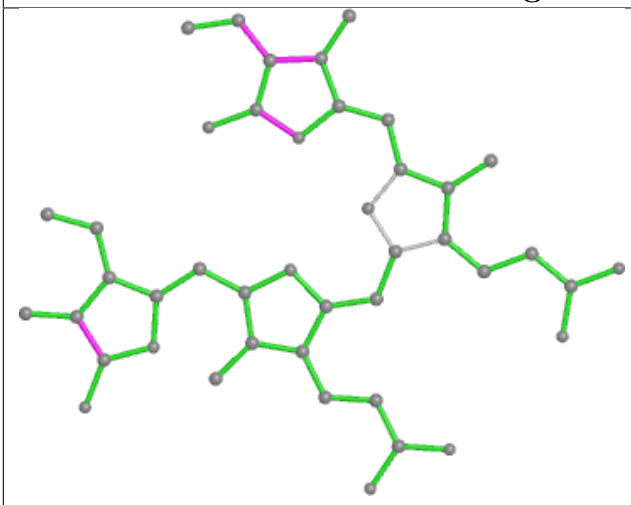


Rings

Ligand PEB i4 201



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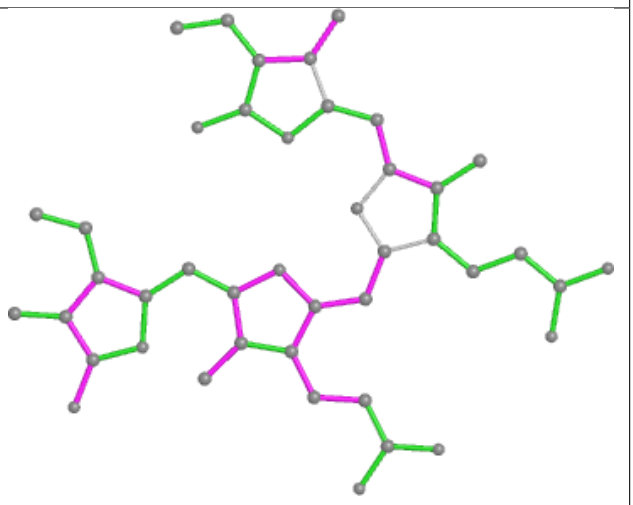

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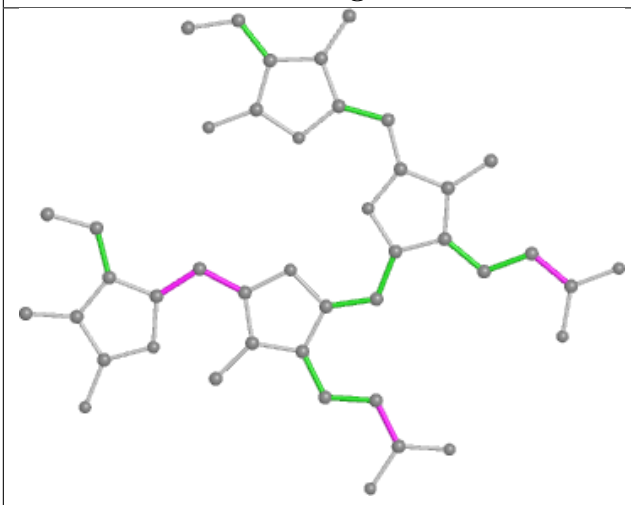

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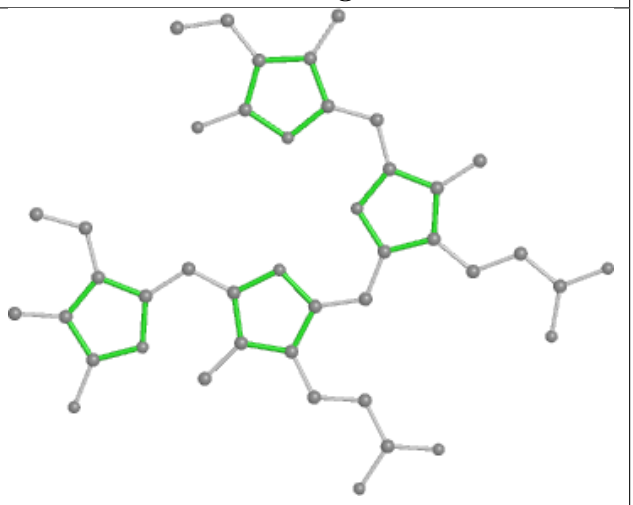
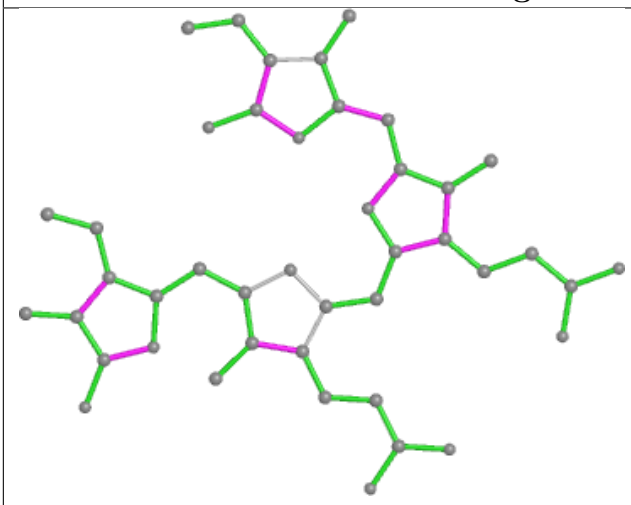


Rings

Ligand PUB aY 404



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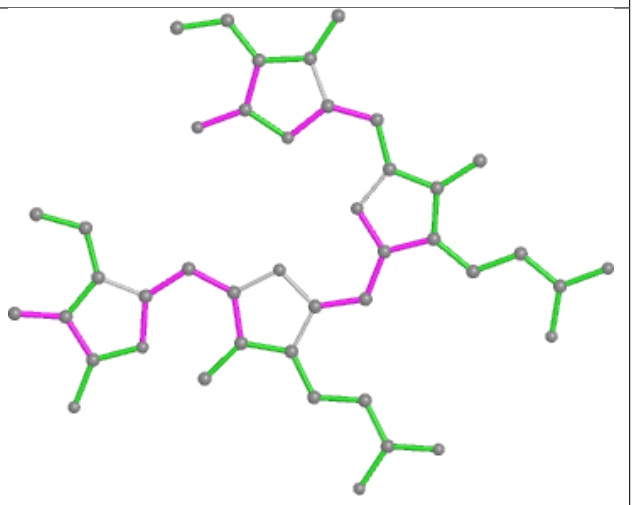
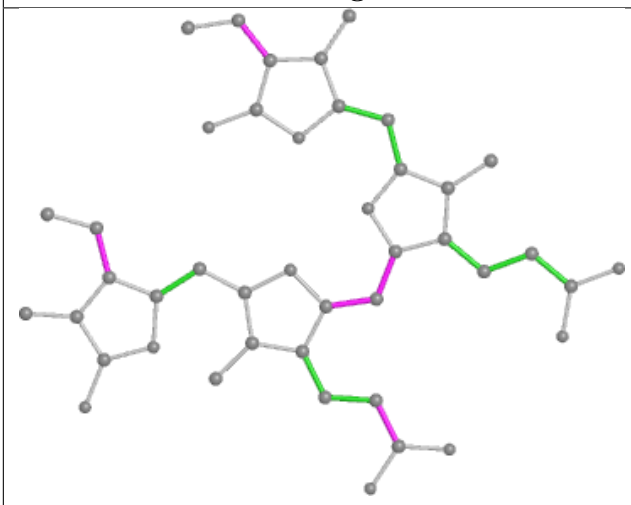


Bond angles



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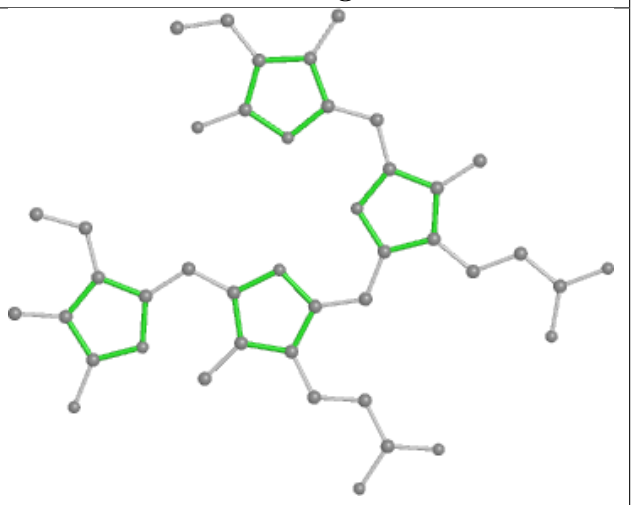
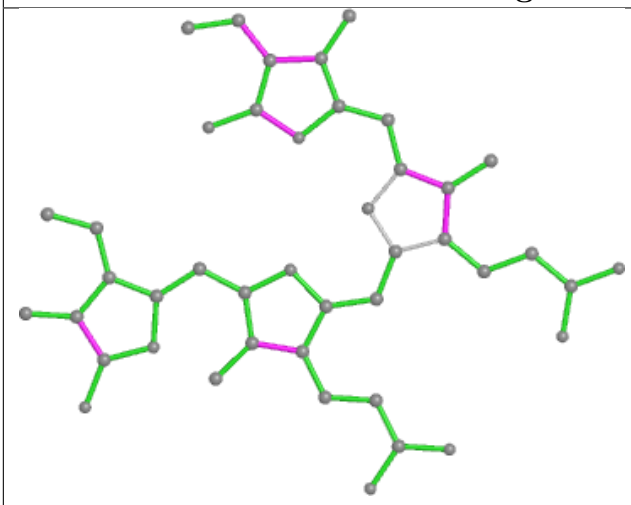


Rings

Ligand PEB eN 202



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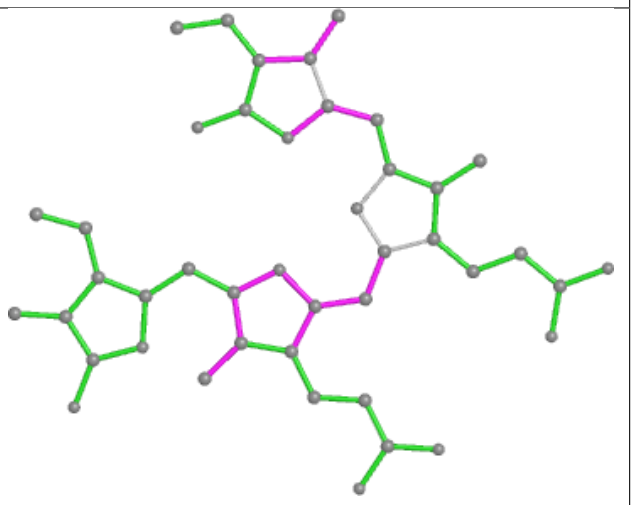

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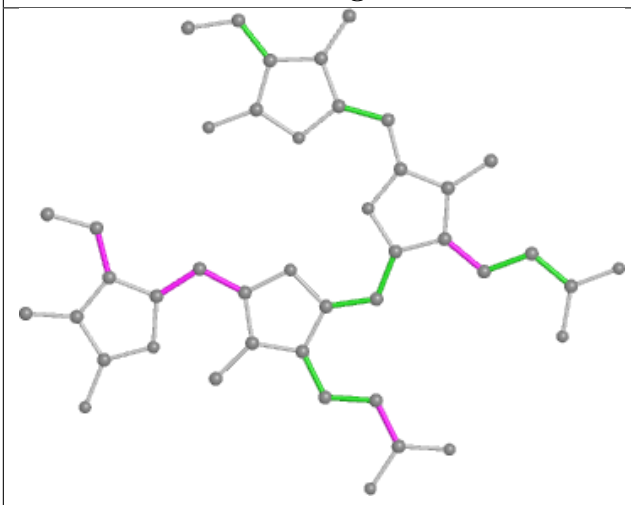

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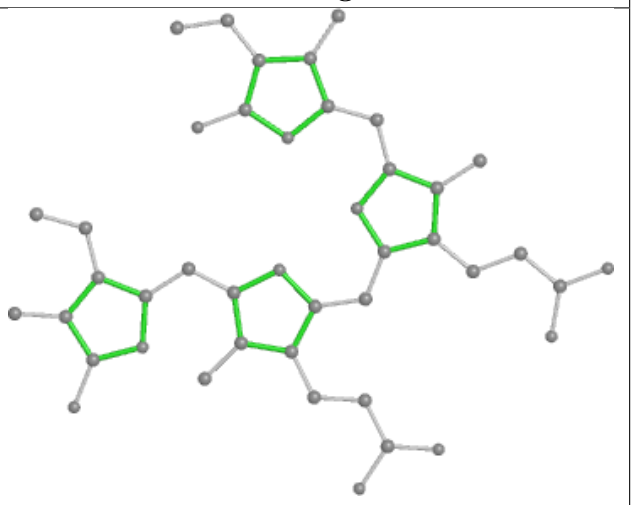

Rings

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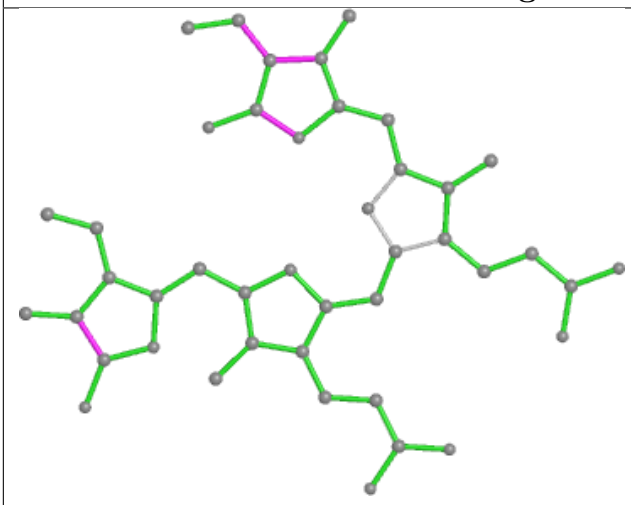

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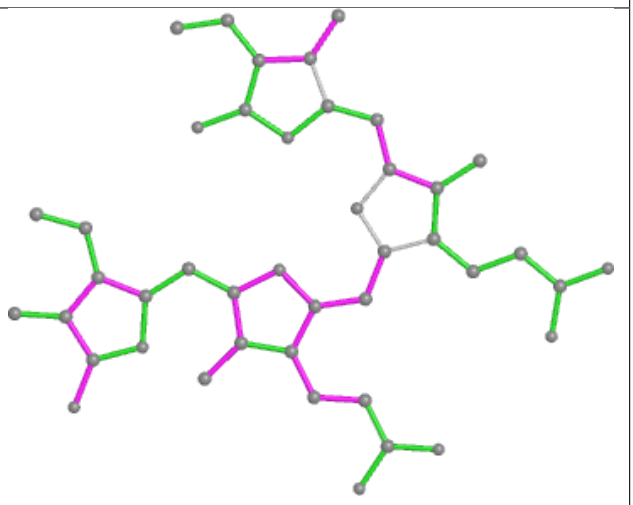

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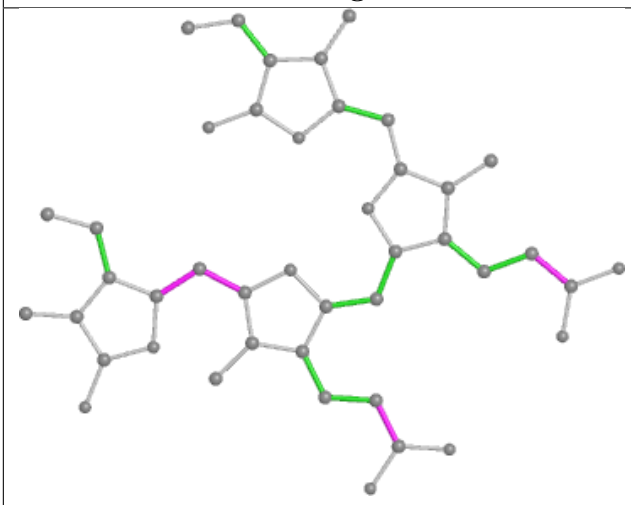

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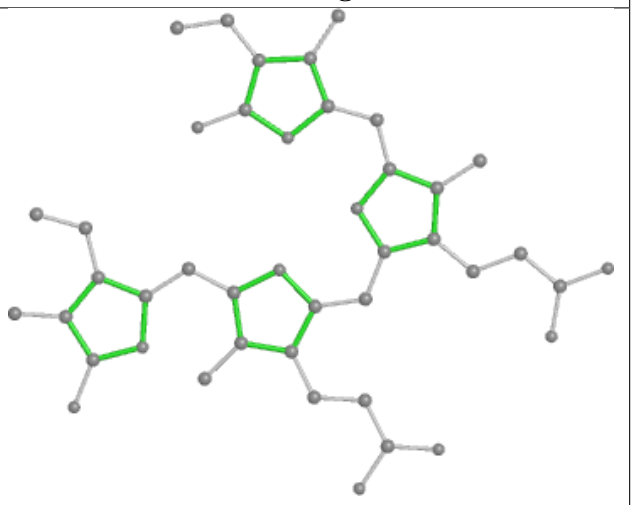
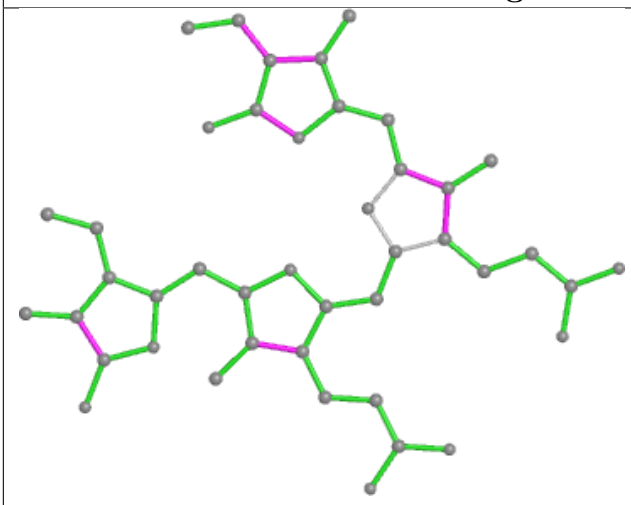


Rings

Ligand PEB kR 1002



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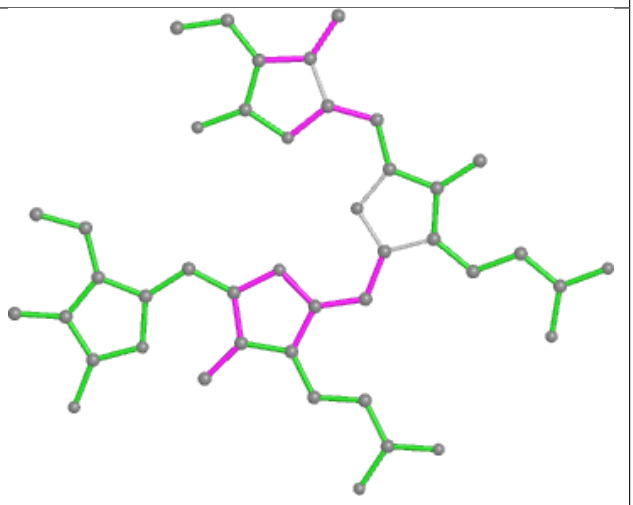

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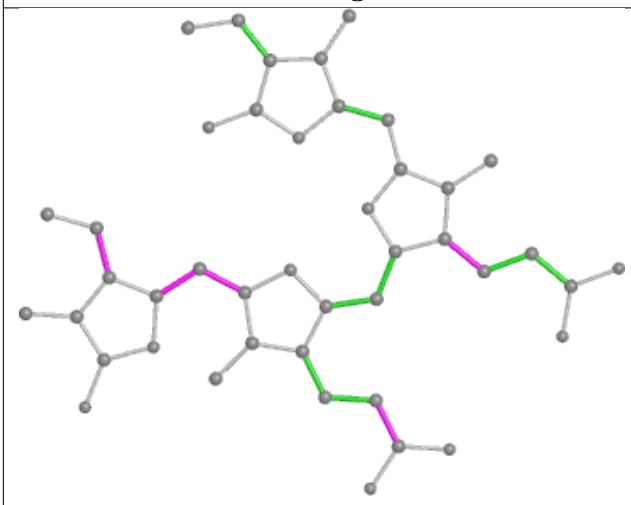

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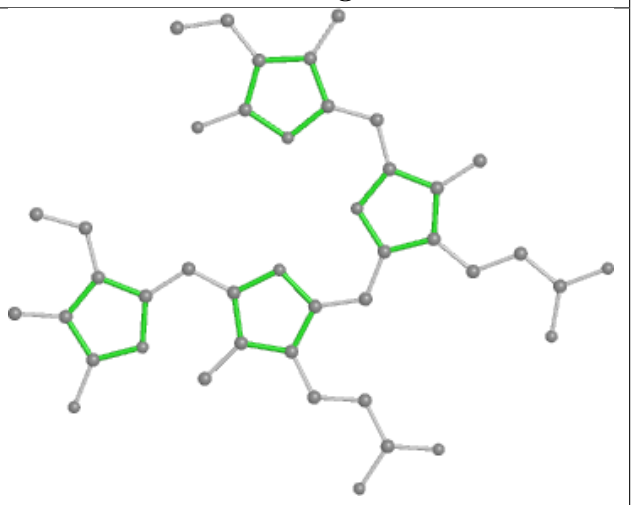
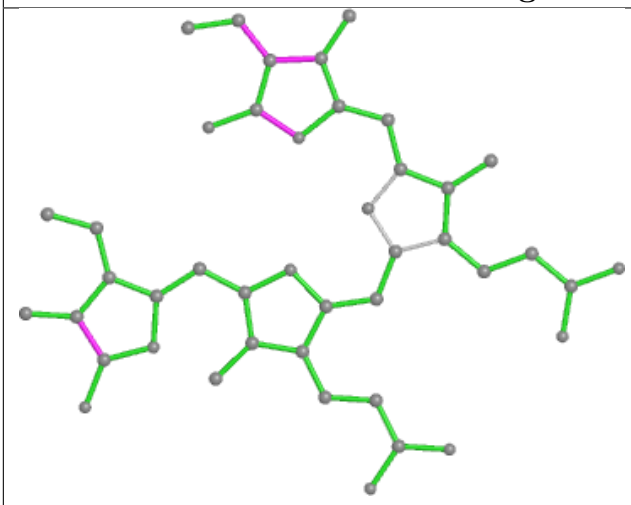


Rings

Ligand PEB eZ 401



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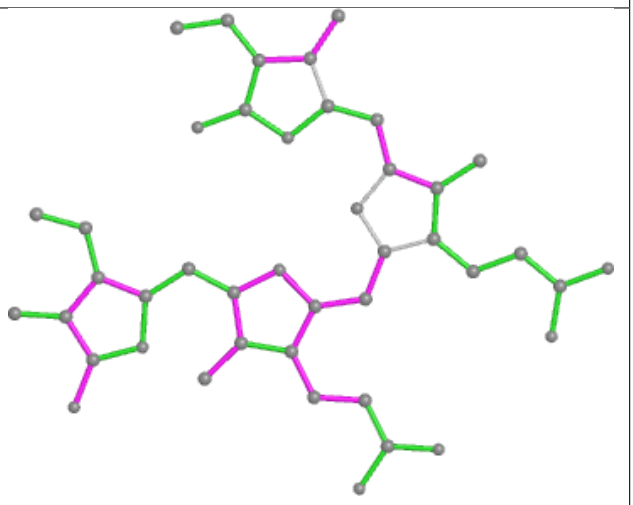

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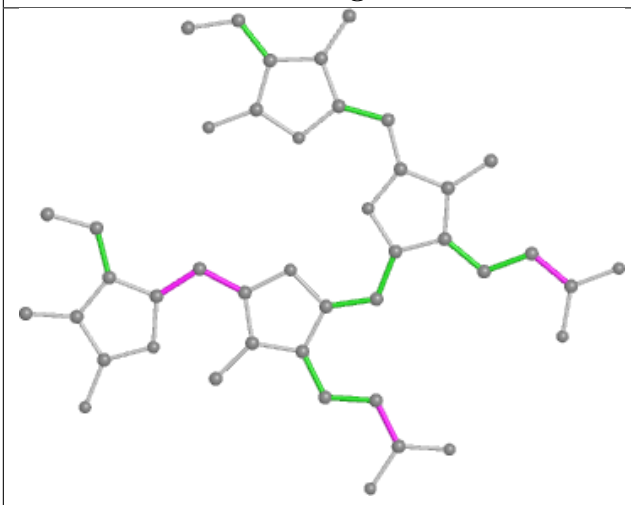

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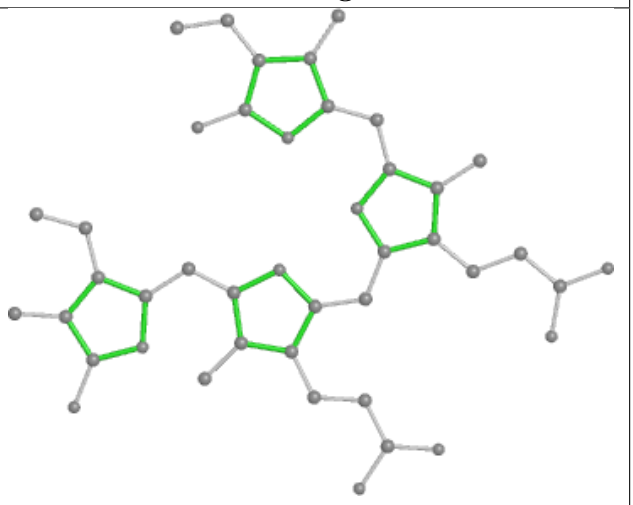

Rings

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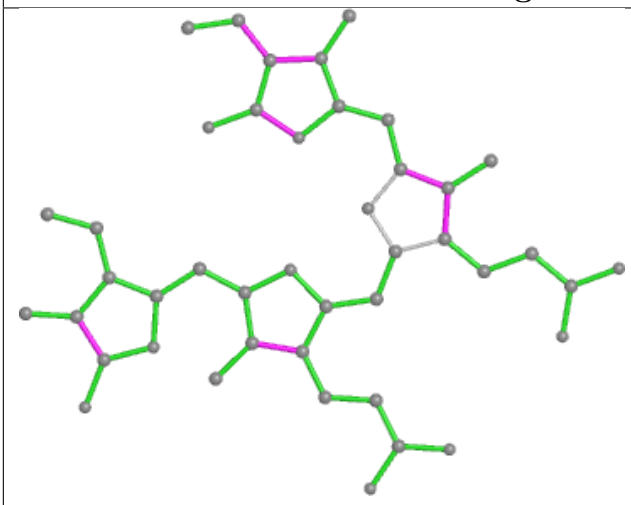

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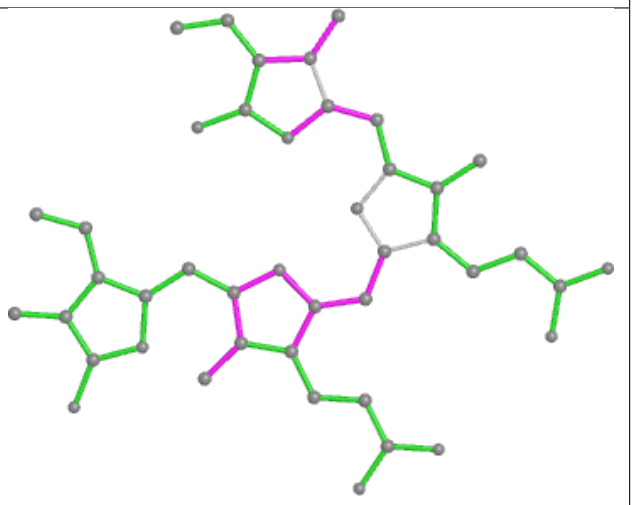

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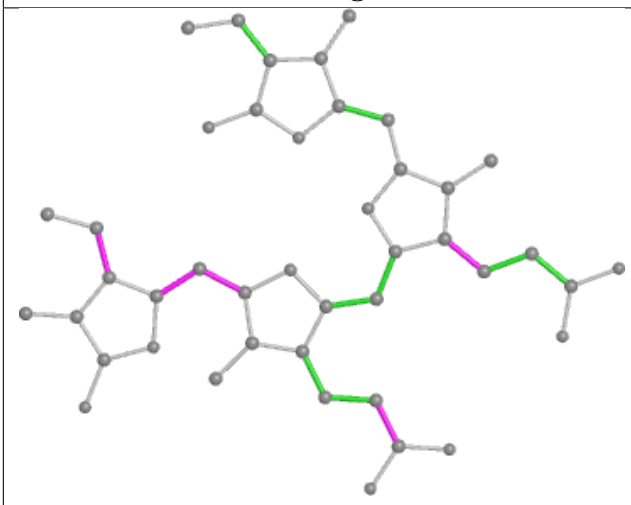

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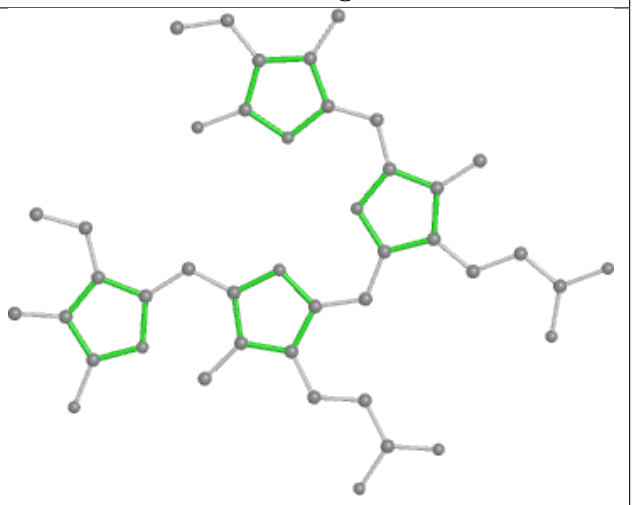
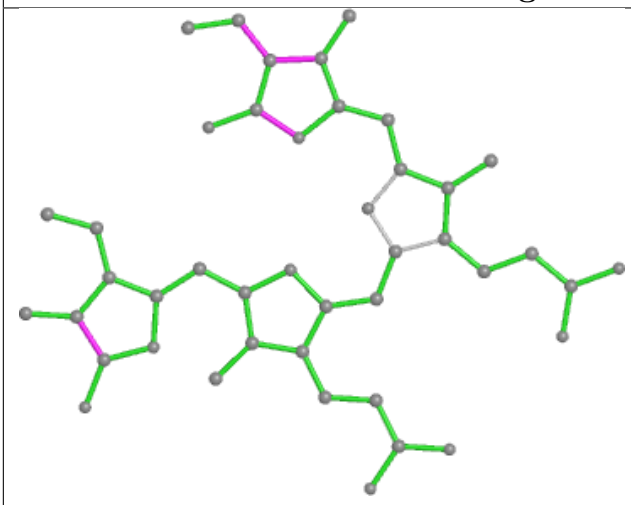


Rings

Ligand PEB n5 201



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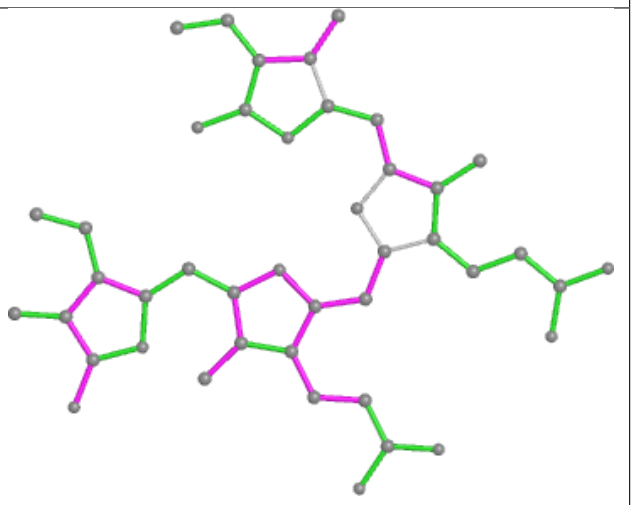

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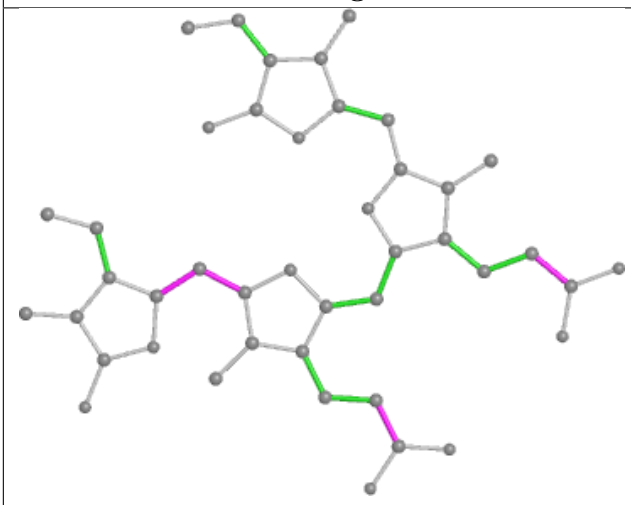

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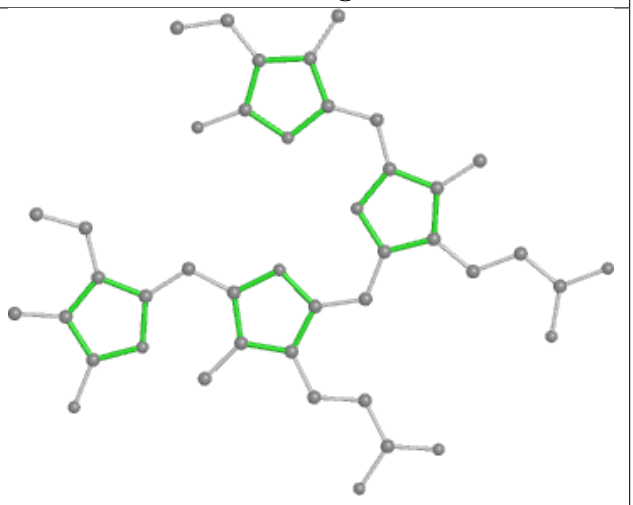
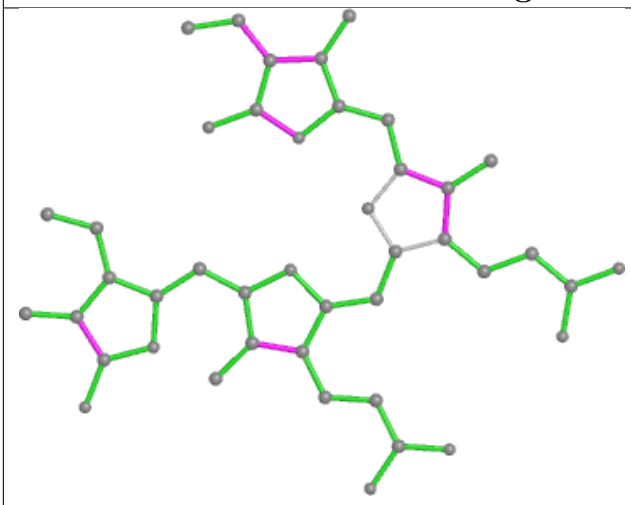


Rings

Ligand PEB H7 202



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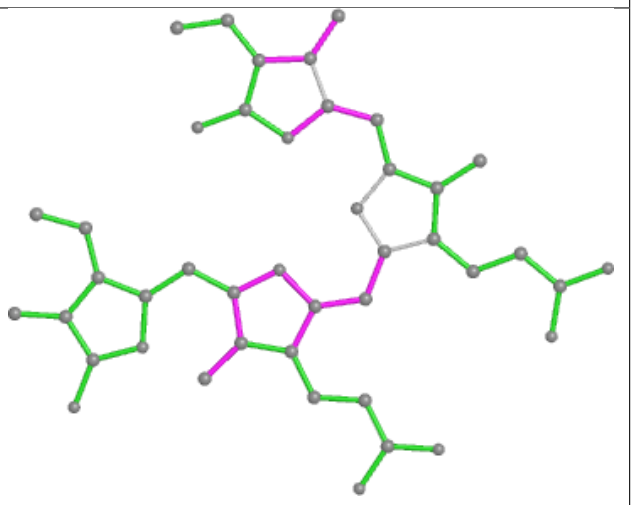

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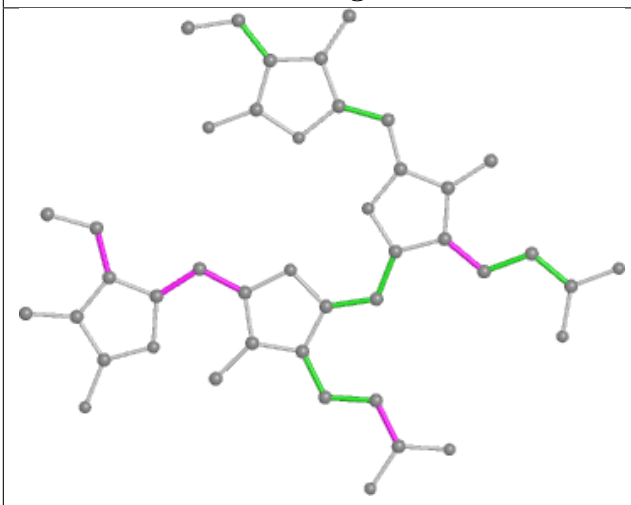

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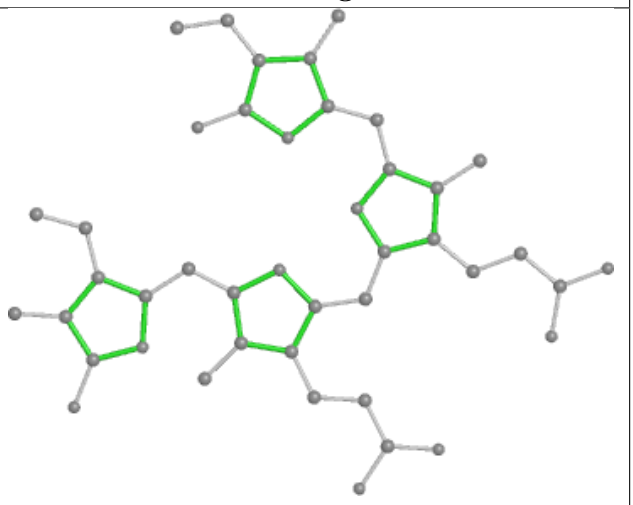
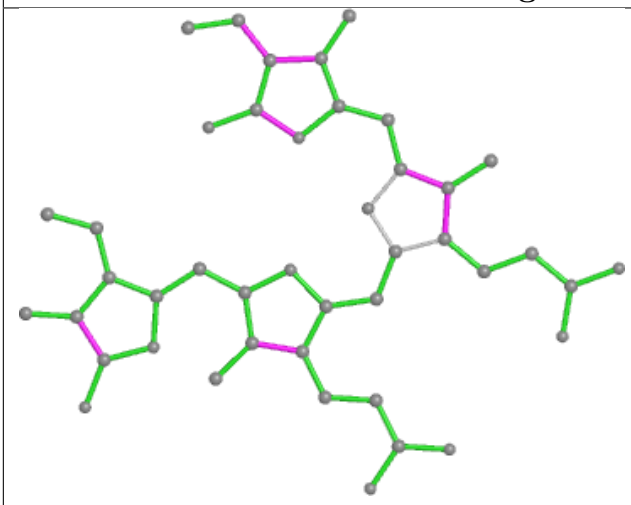


Rings

Ligand PEB p2 202



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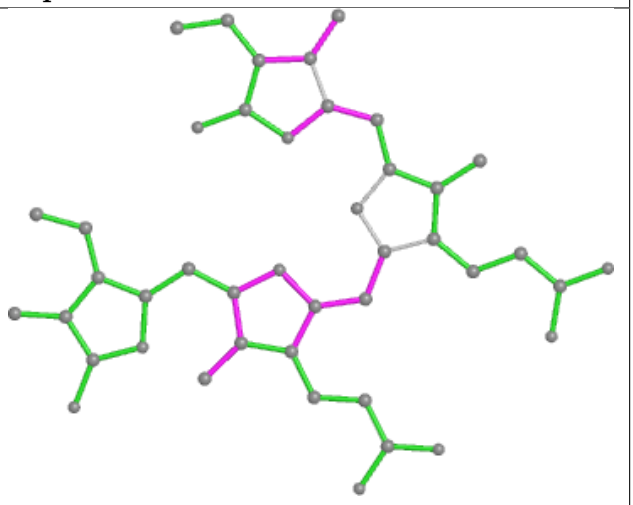

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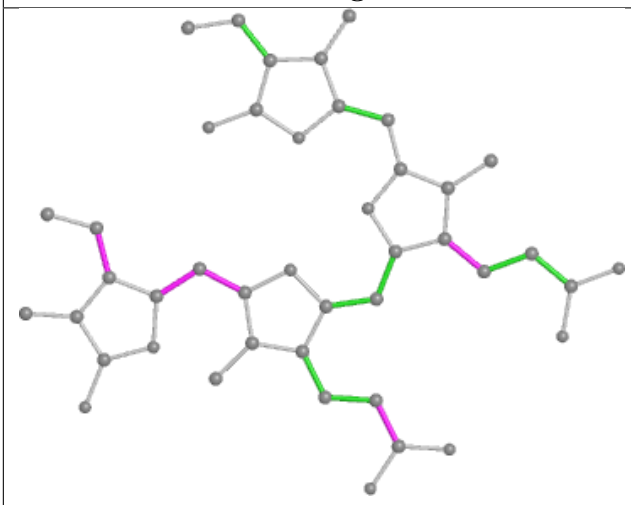

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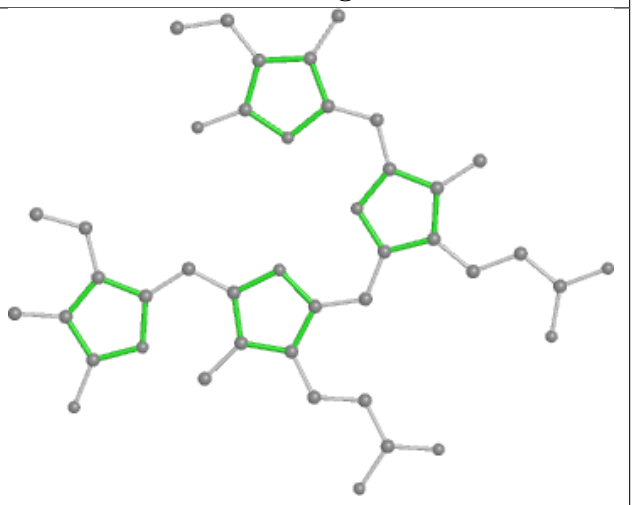
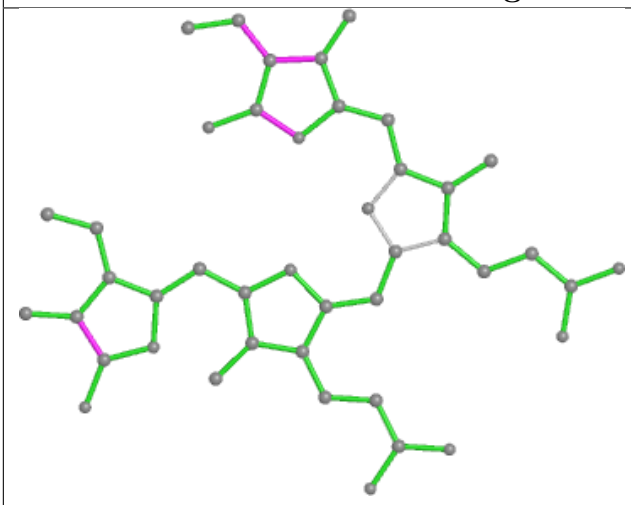


Rings

Ligand PEB eM 1001



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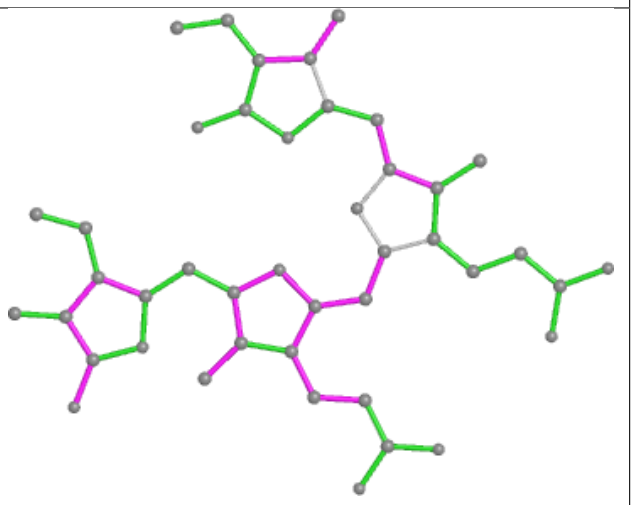
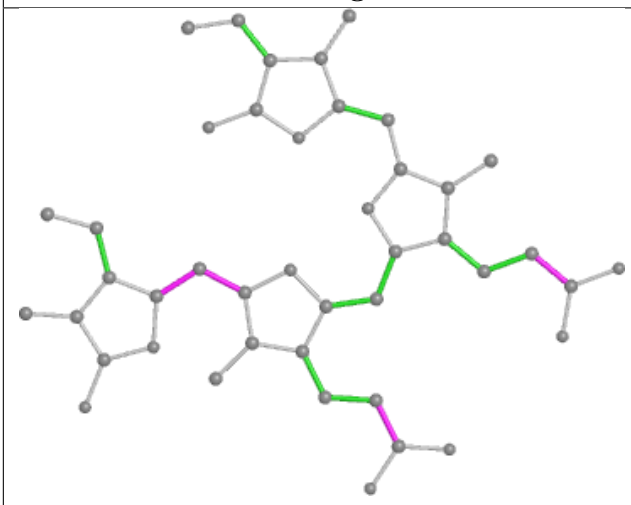


Bond angles



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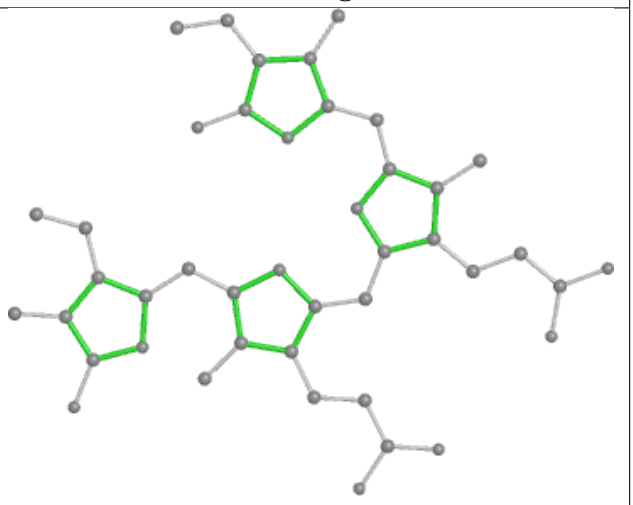
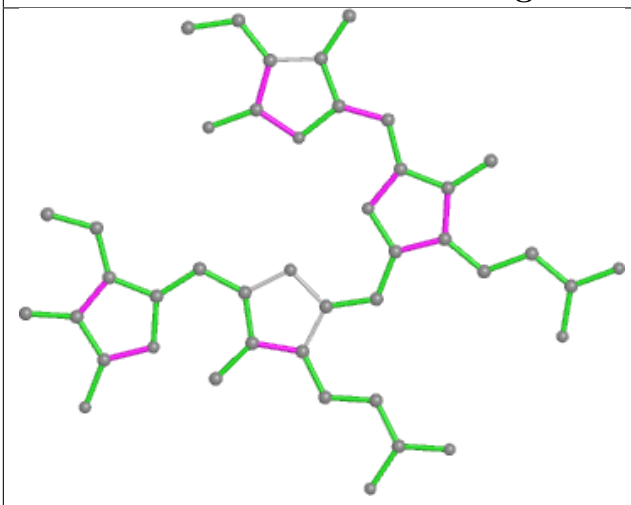
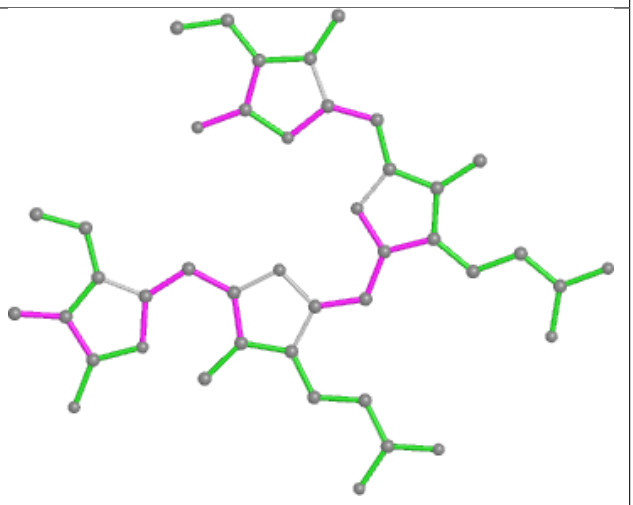


Rings

Ligand PUB F9 203



Bond lengths



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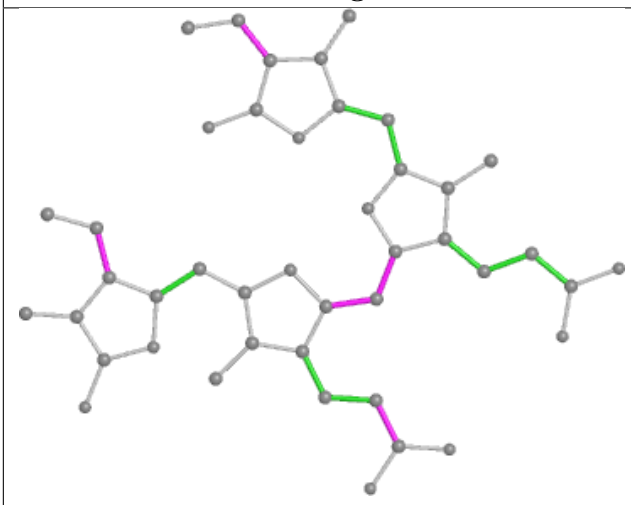
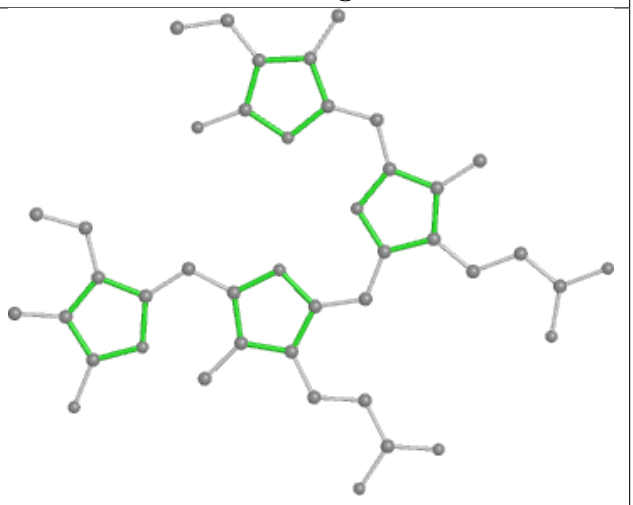
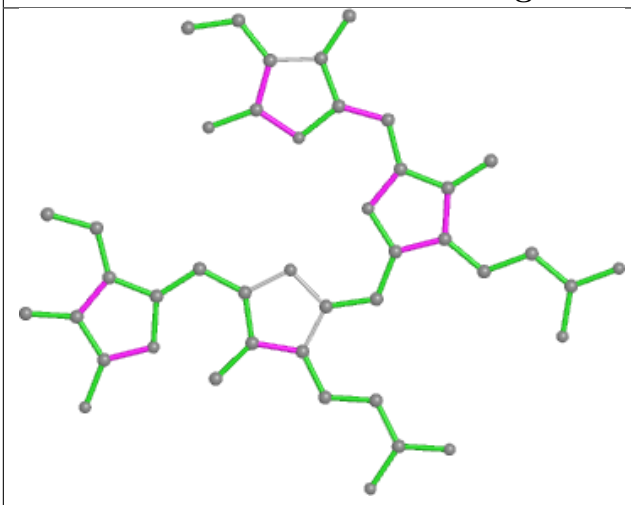


Torsions



Rings

Ligand PUB bL 203



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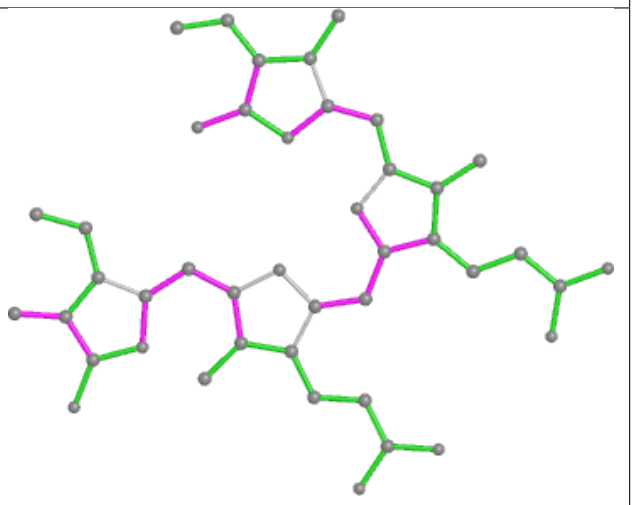

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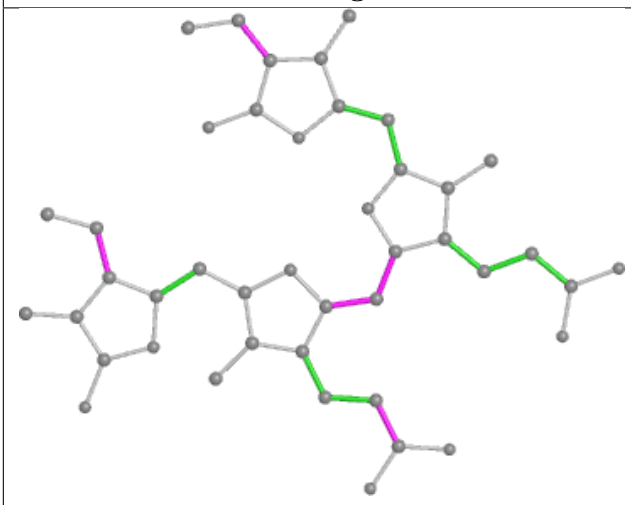

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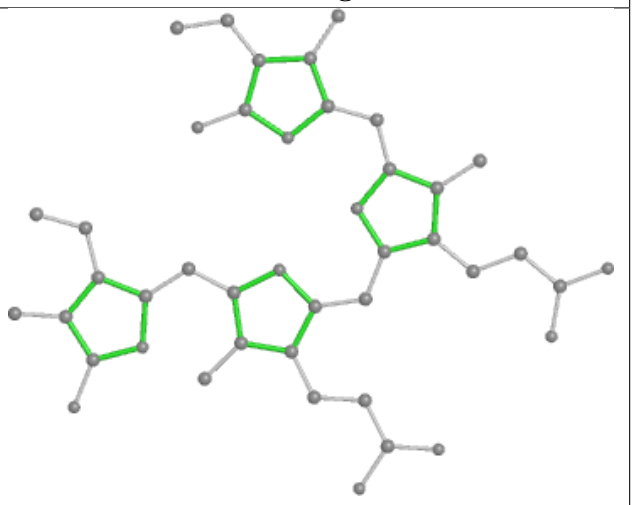
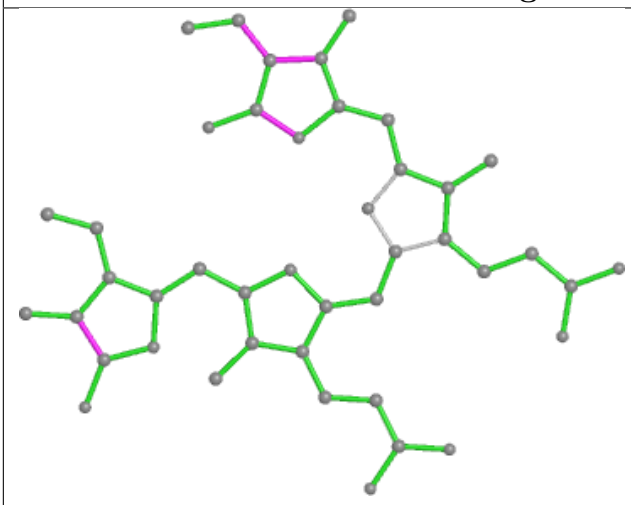


Rings

Ligand PEB g4 201



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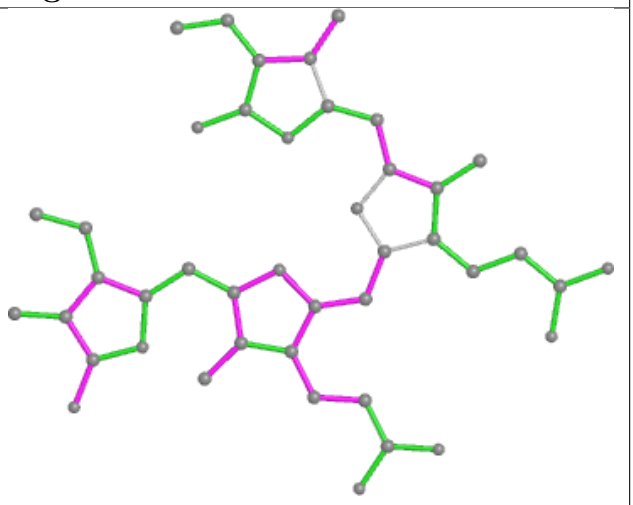

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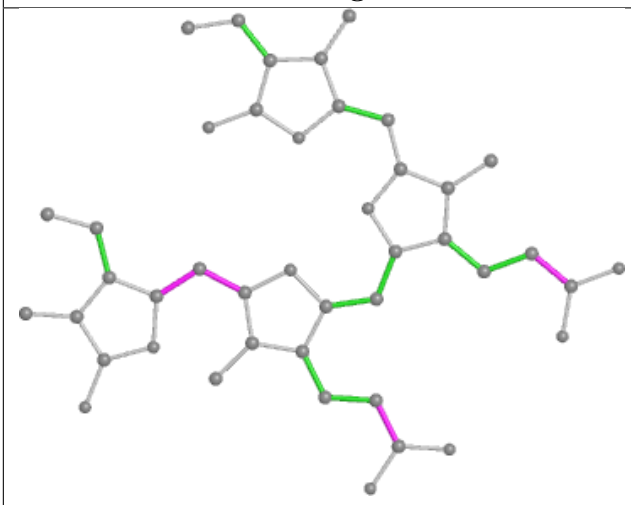

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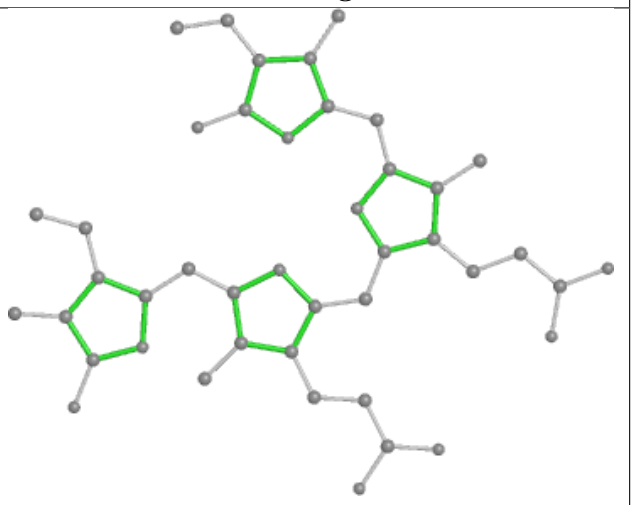
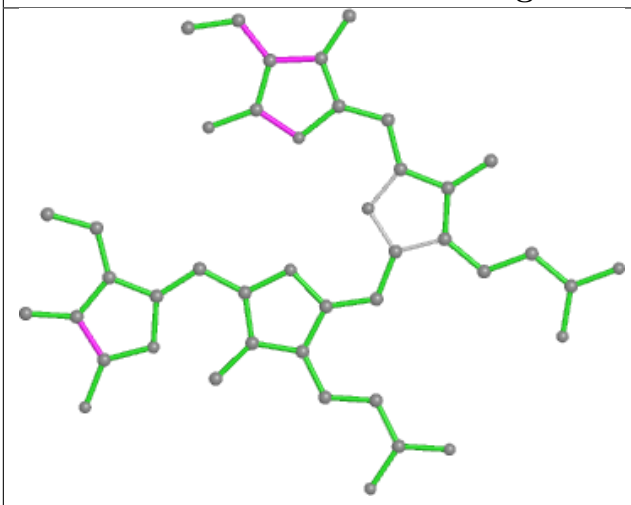


Rings

Ligand PEB B8 202



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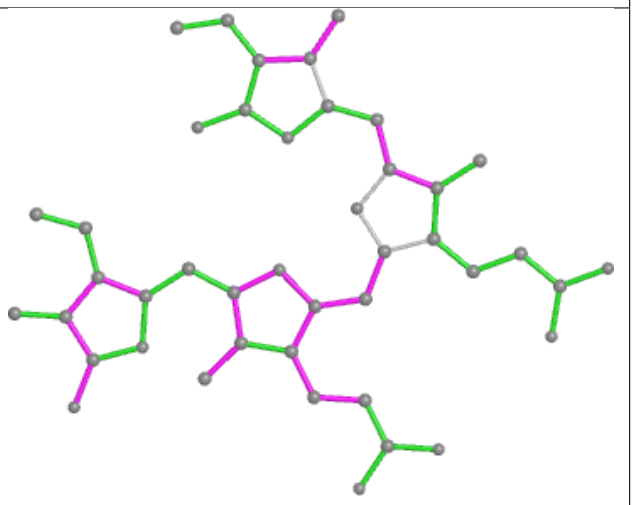

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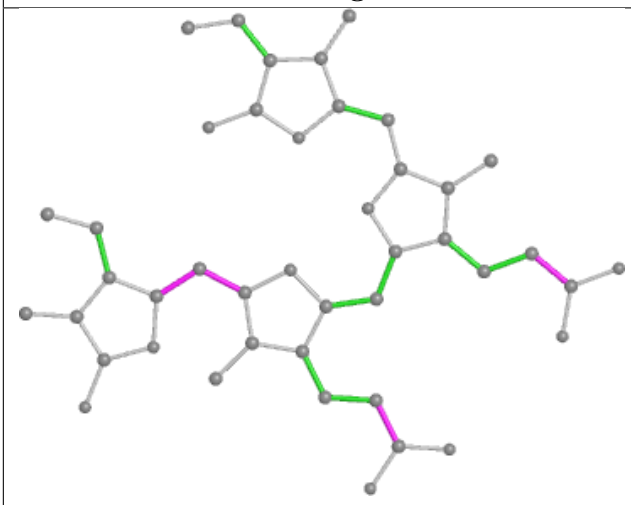

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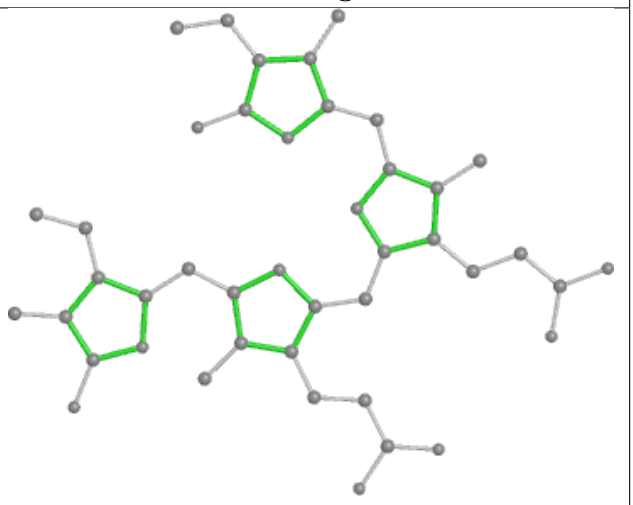
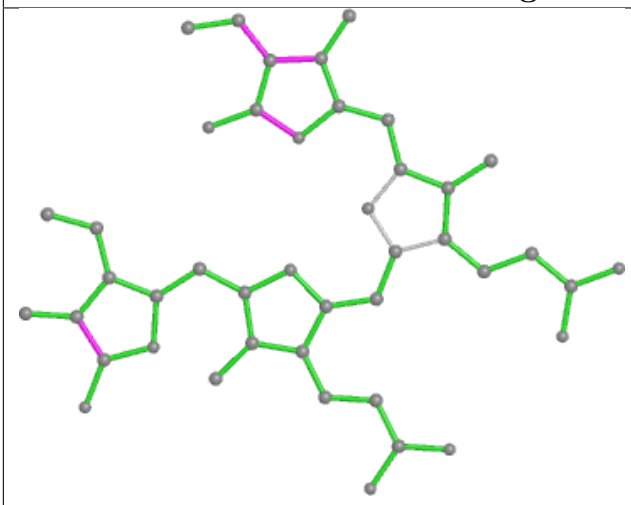


Rings

Ligand PEB ed 202



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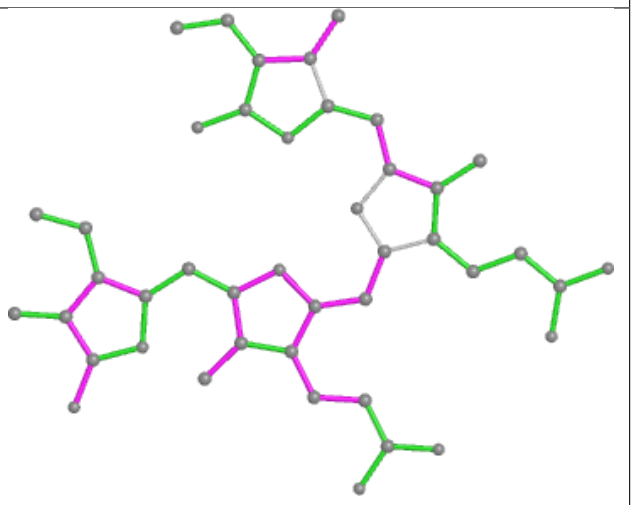

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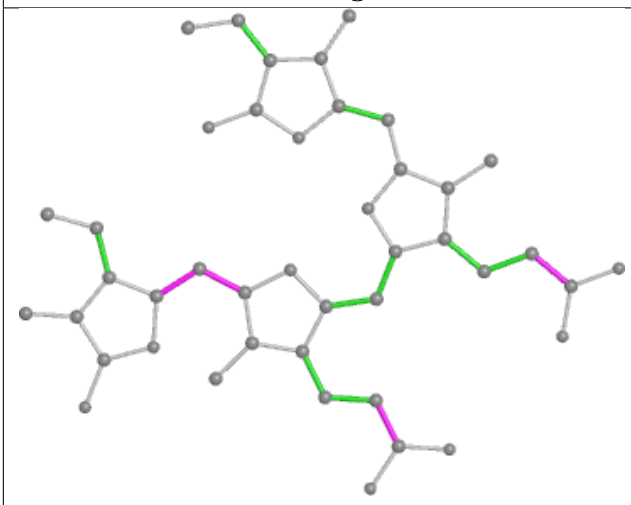

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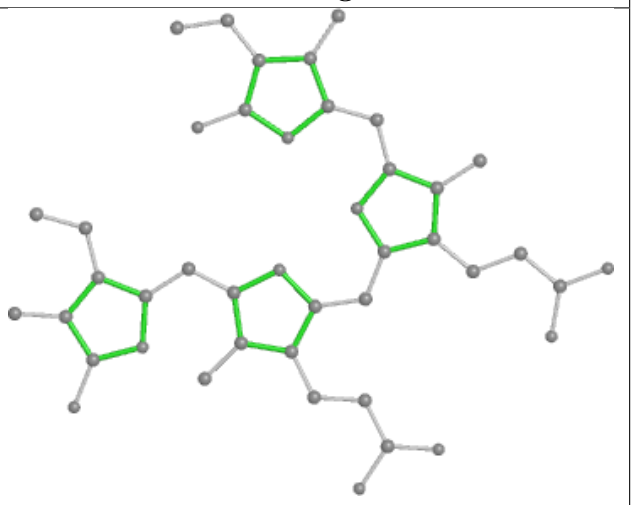

Rings

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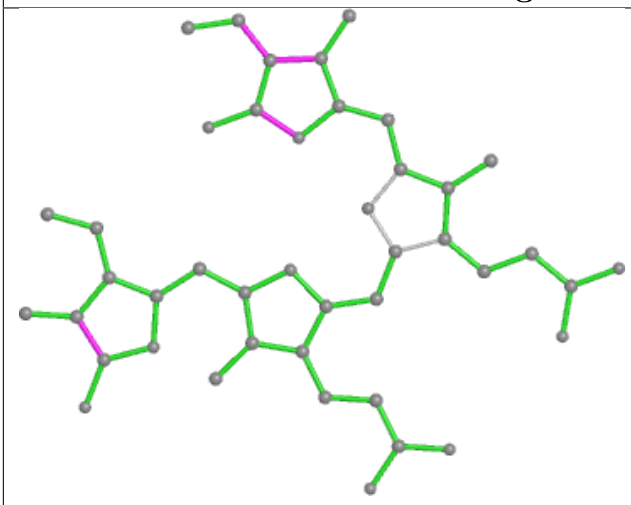

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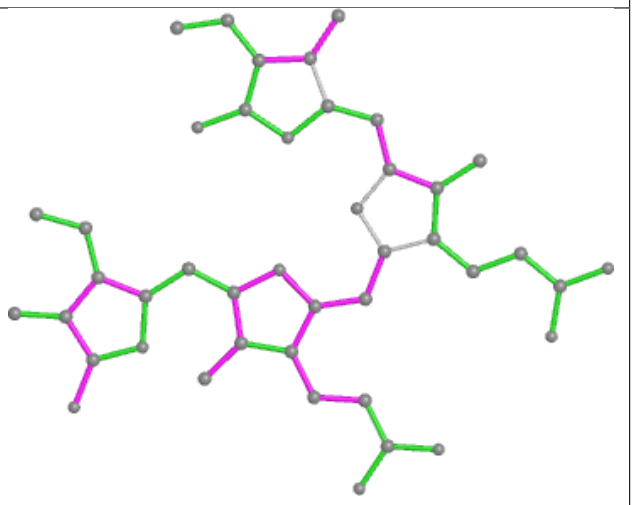

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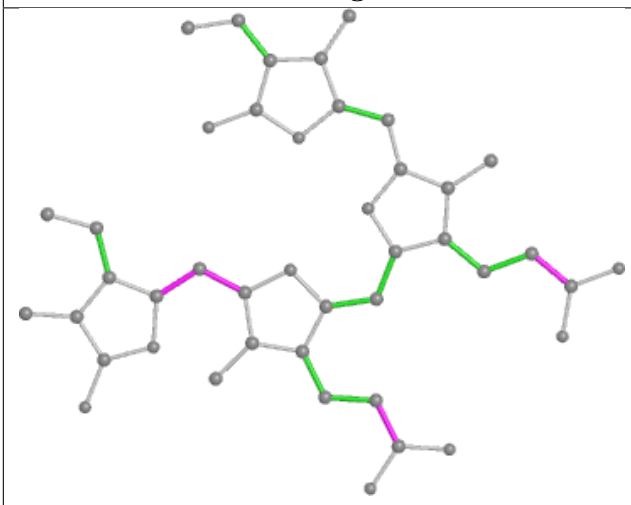

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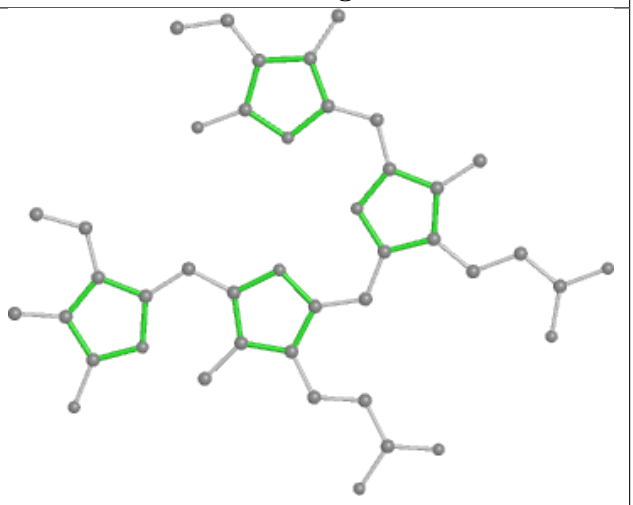

Rings

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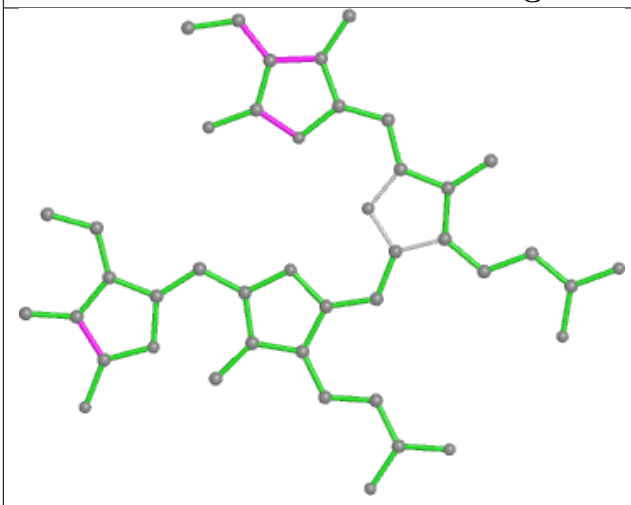

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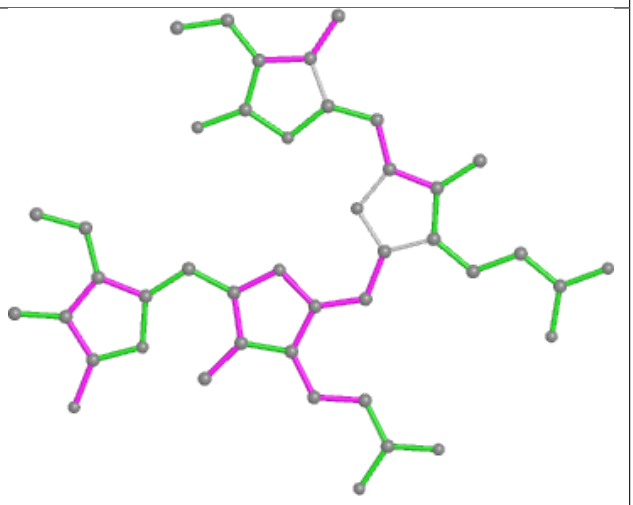

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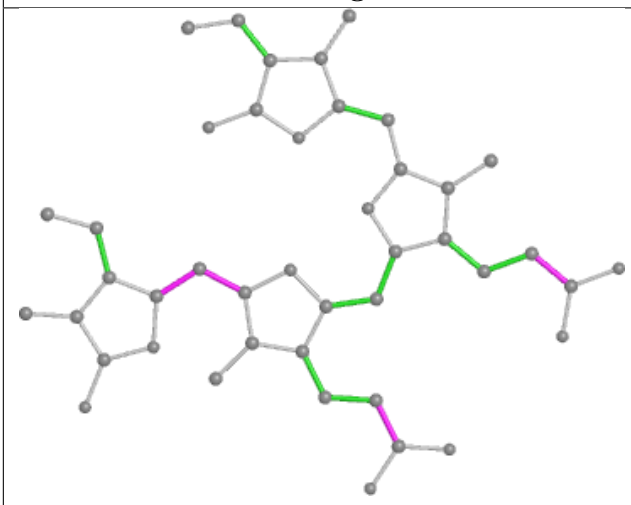

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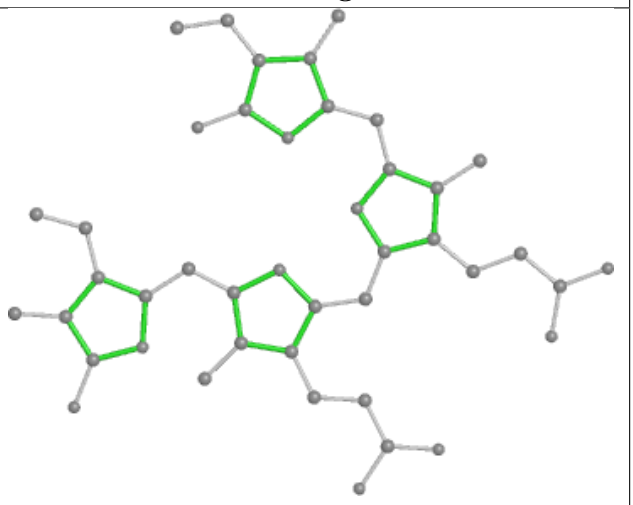

Rings

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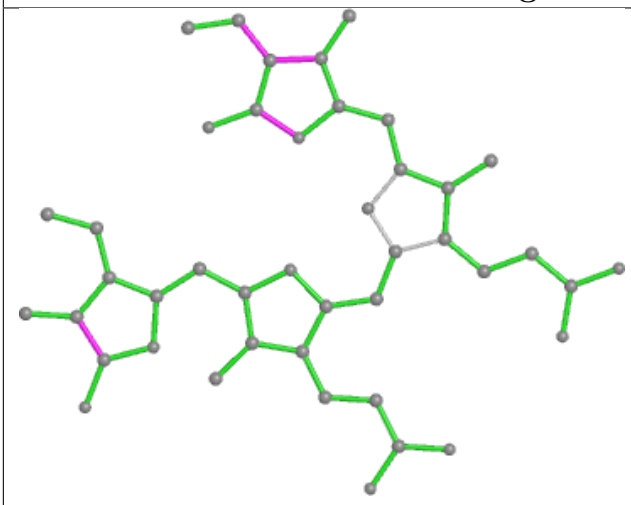

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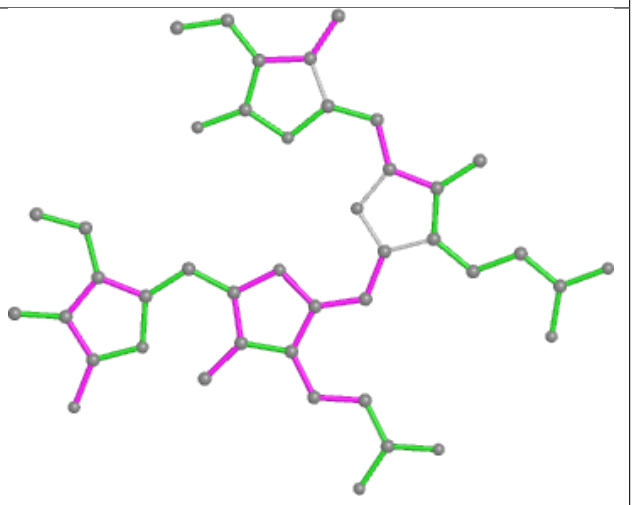

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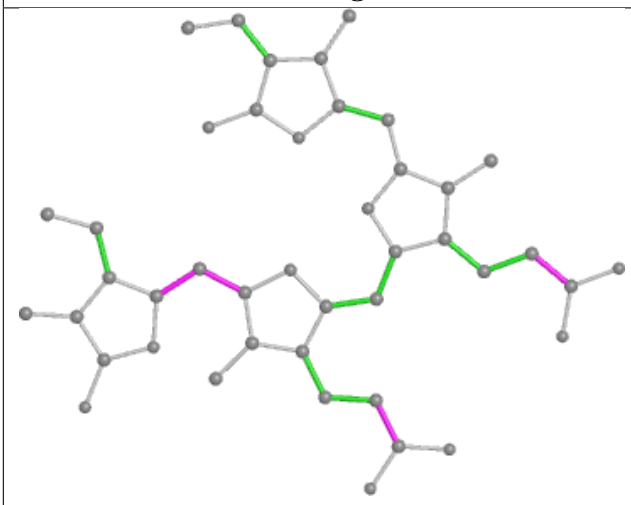

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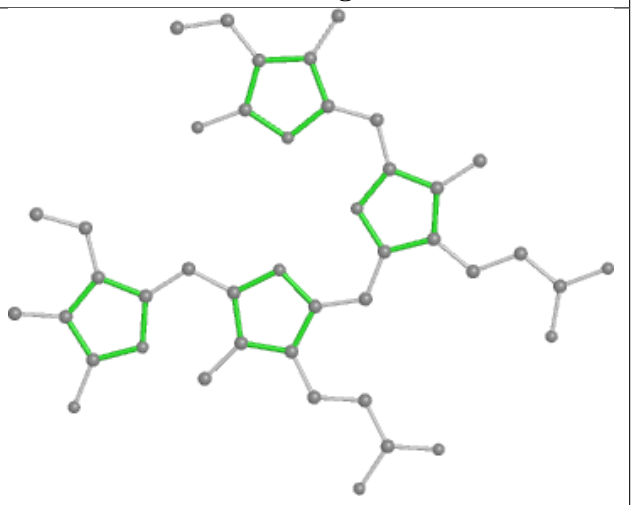

Rings

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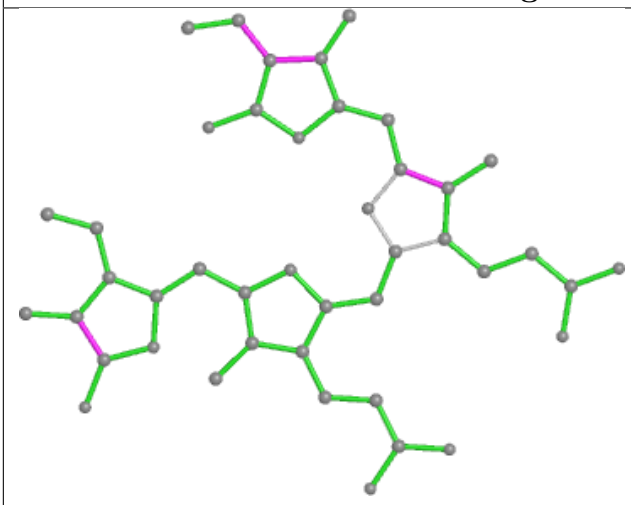

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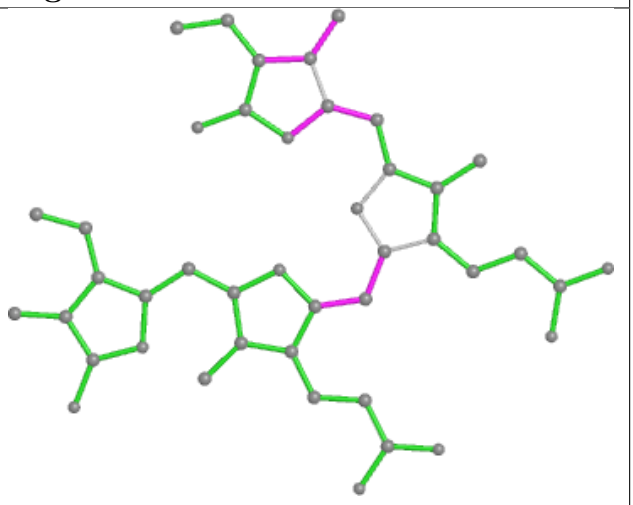

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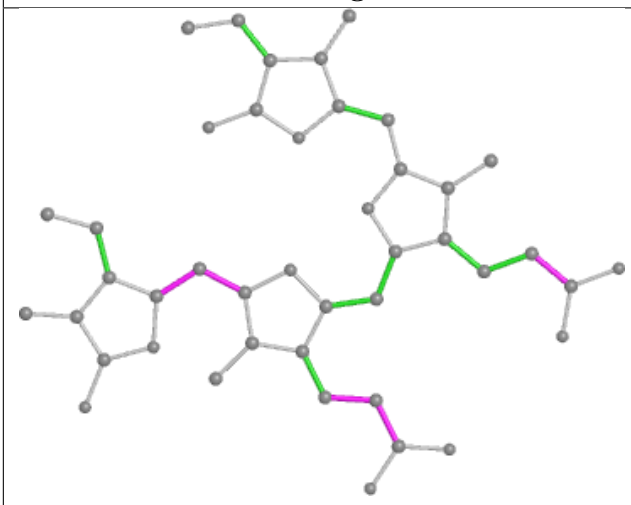

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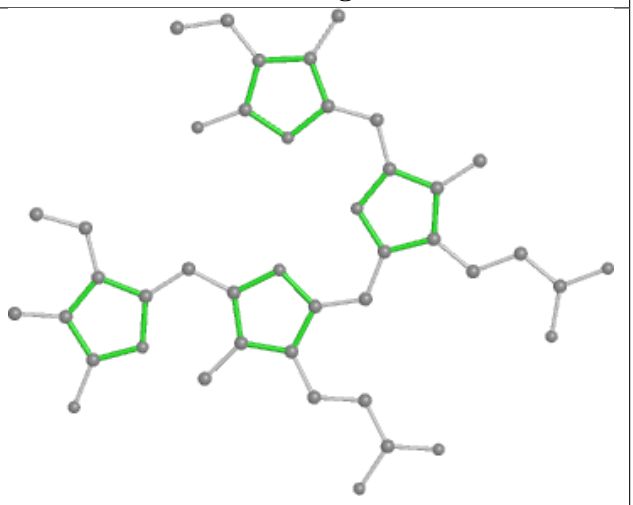

Rings

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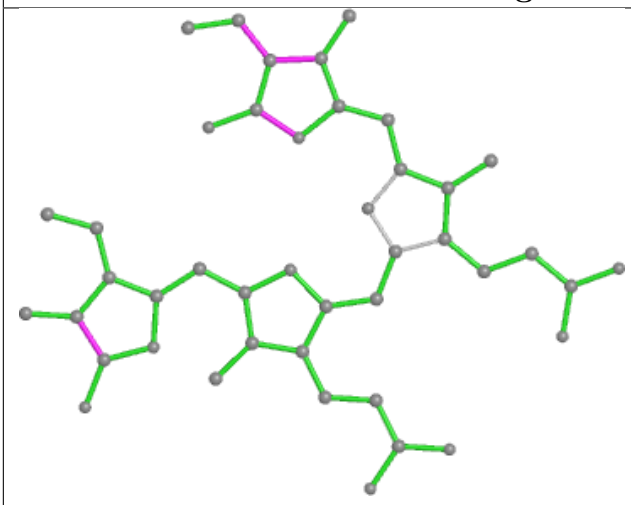

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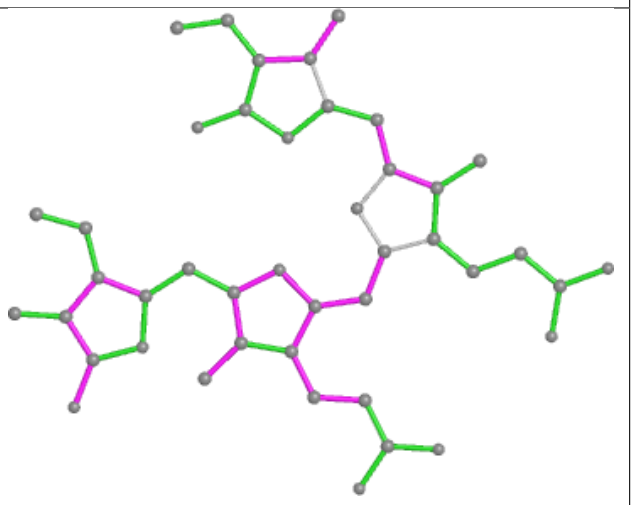

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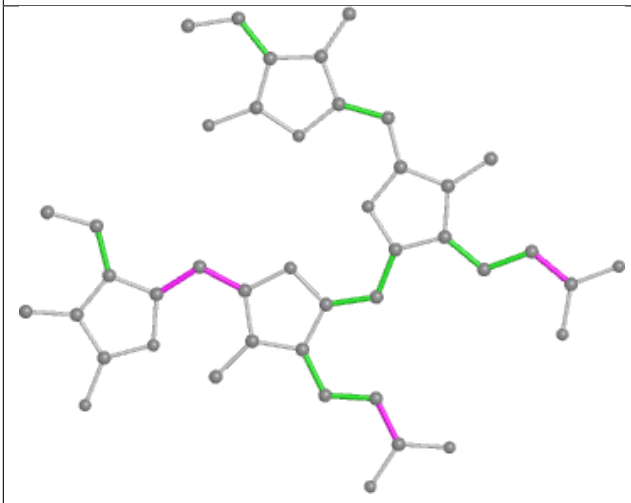

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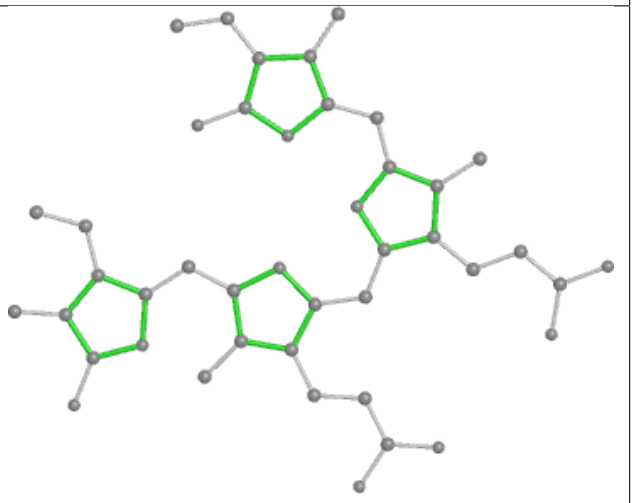
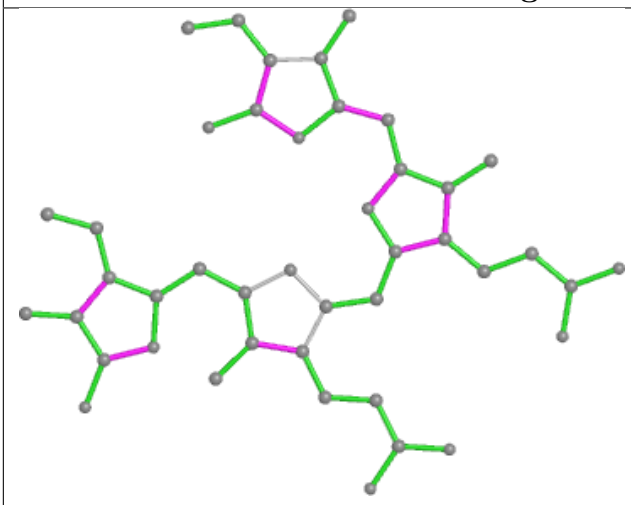


Rings

Ligand PUB di 203



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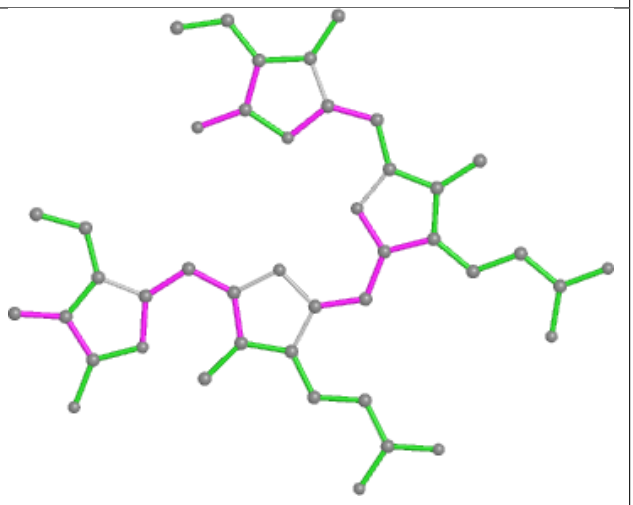

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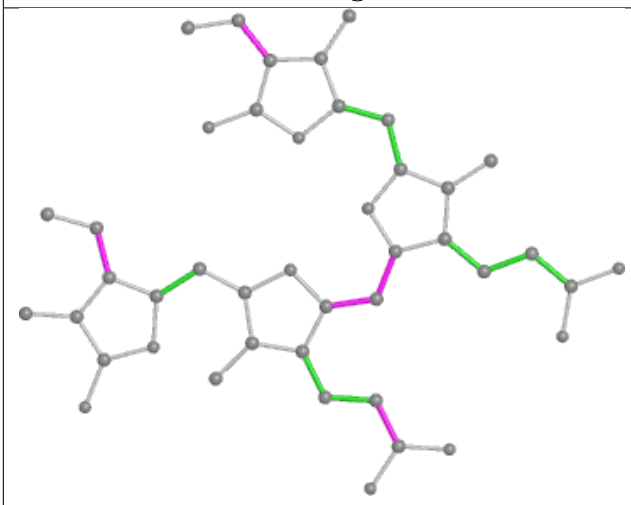

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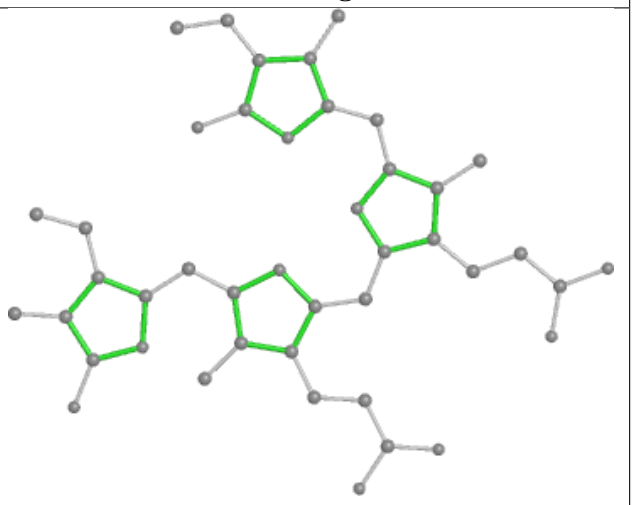

Rings

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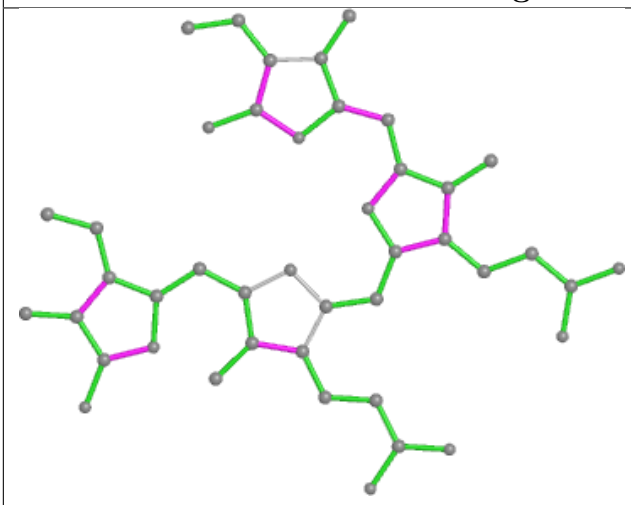

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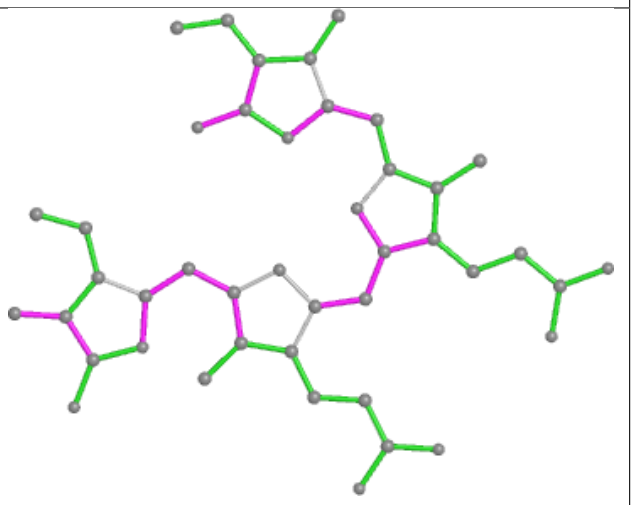

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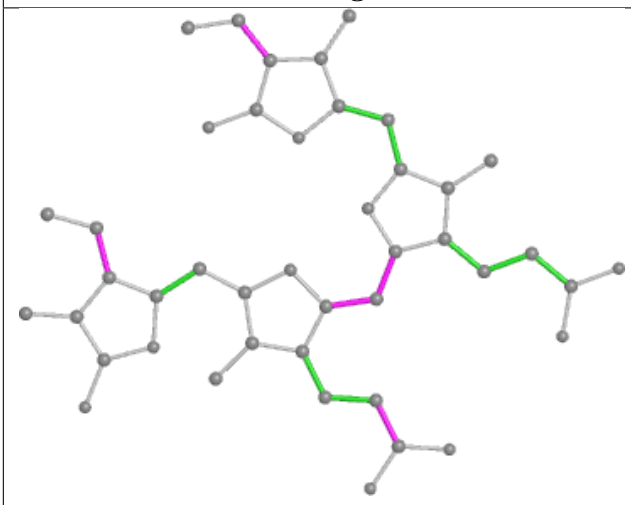

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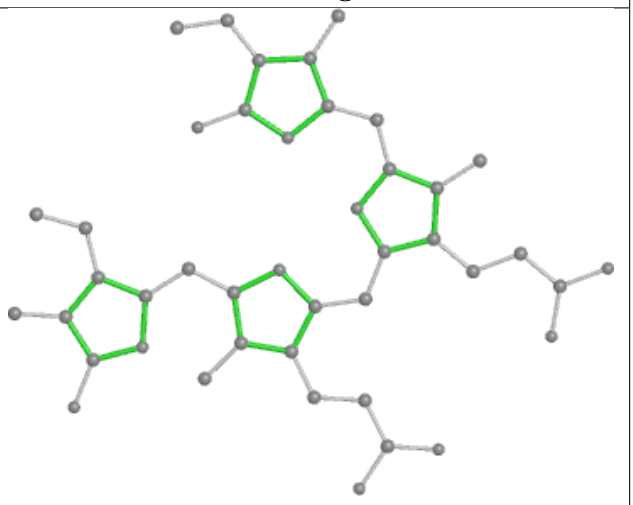
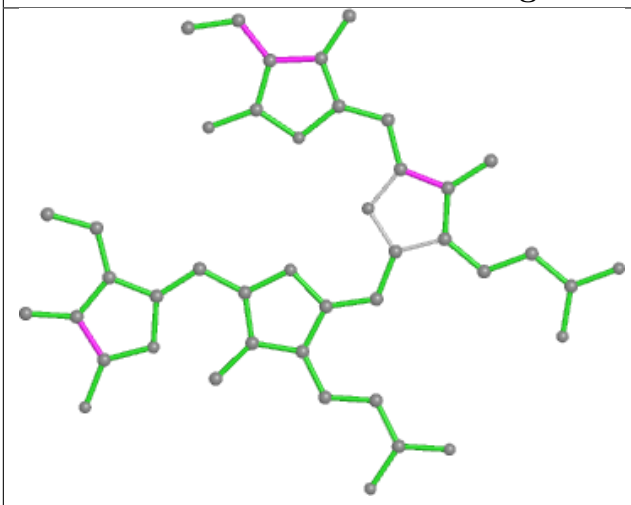


Rings

Ligand PEB k3 202



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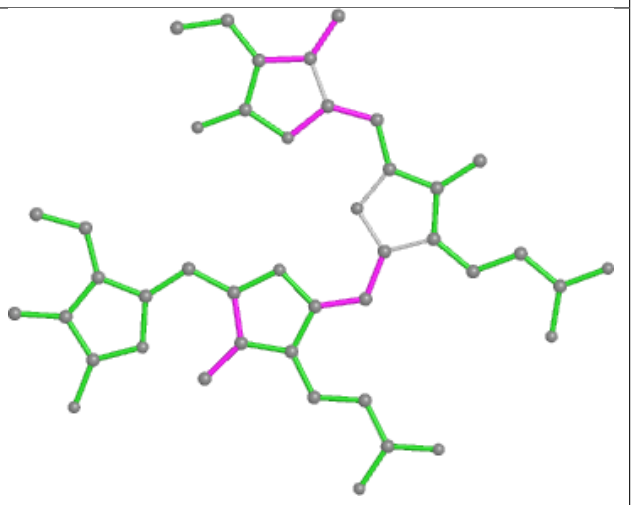

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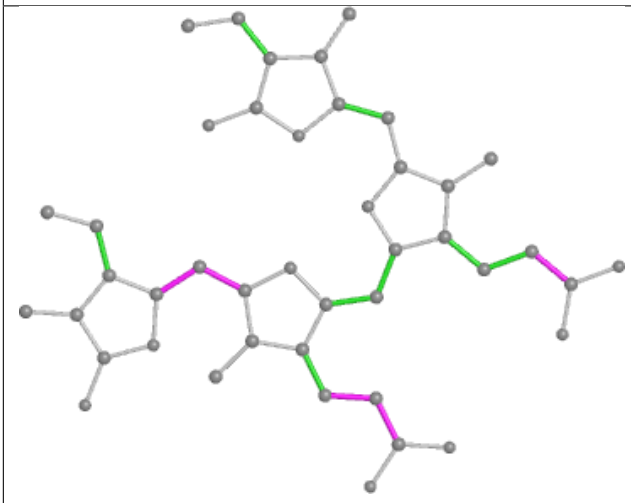

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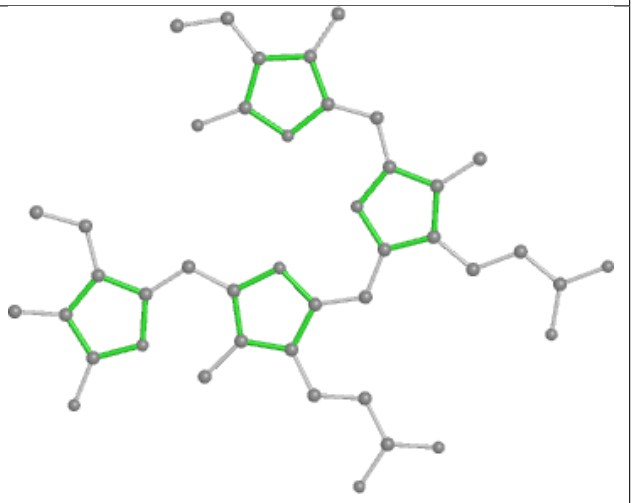

Rings

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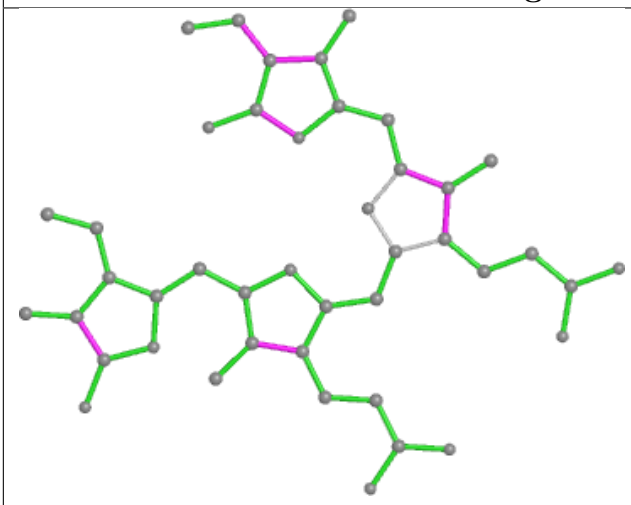

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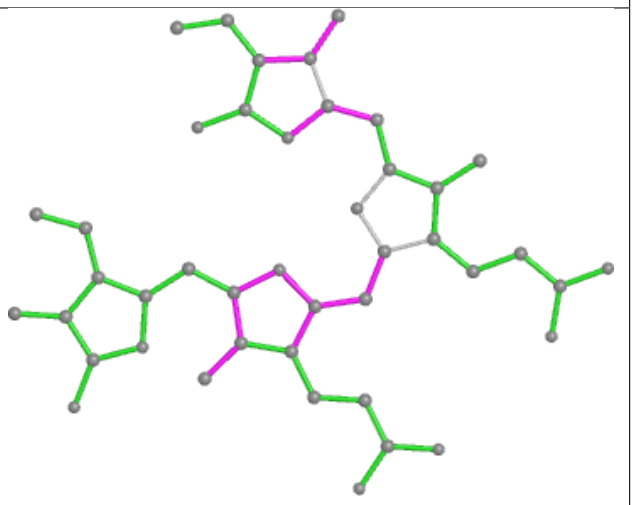
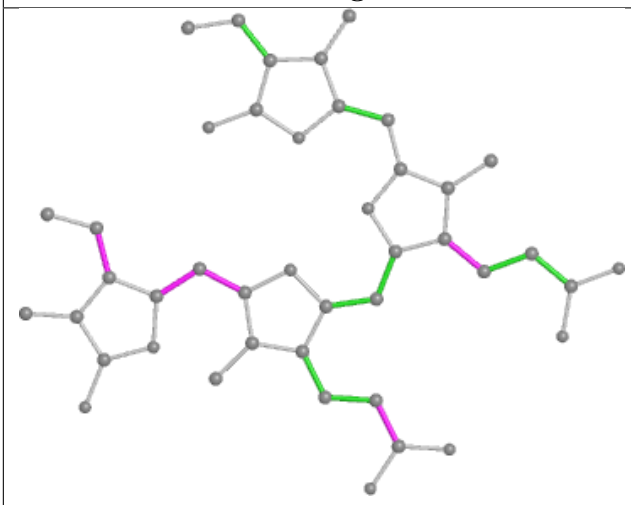
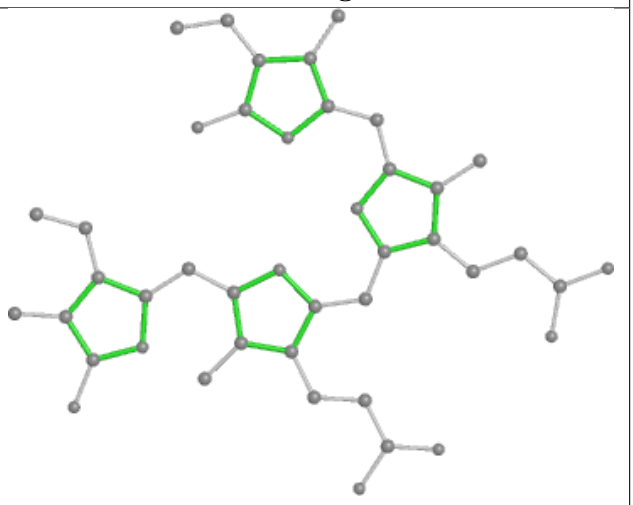


Bond angles

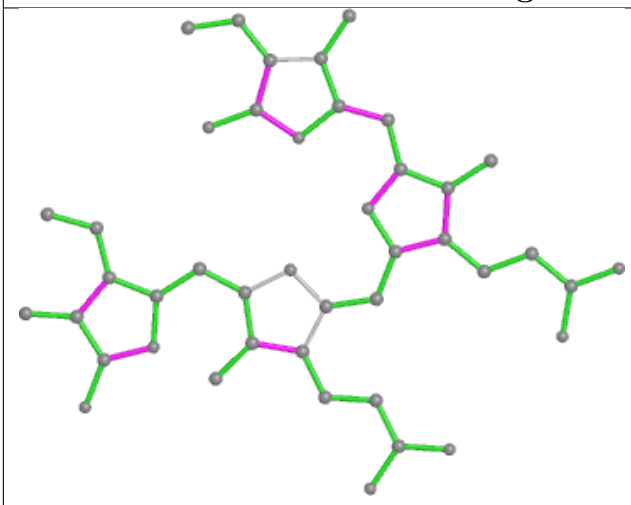


Torsions



Rings

Ligand PUB dv 202



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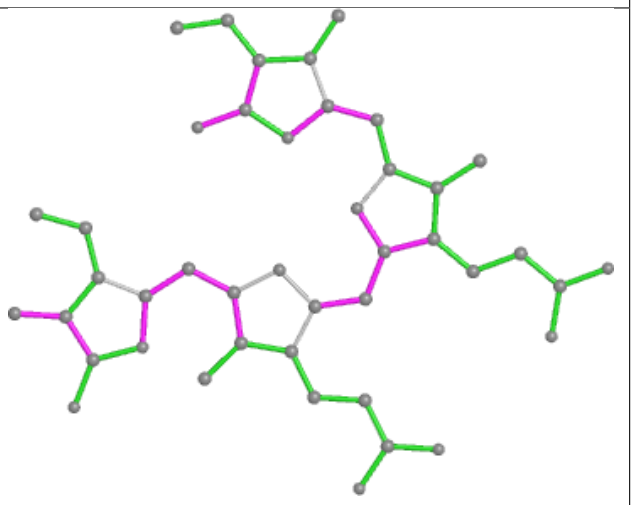

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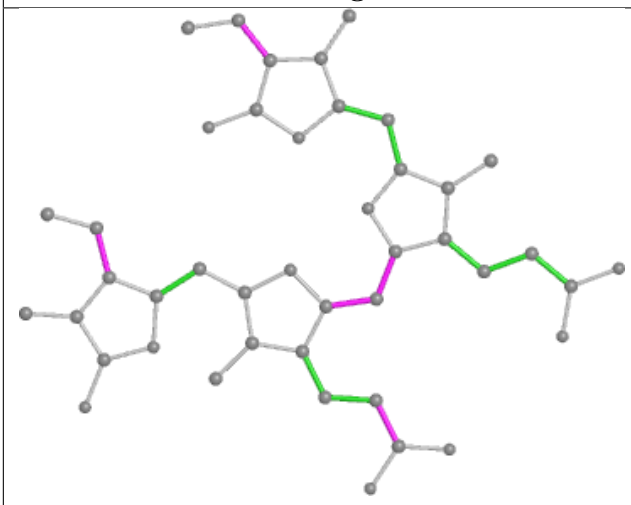

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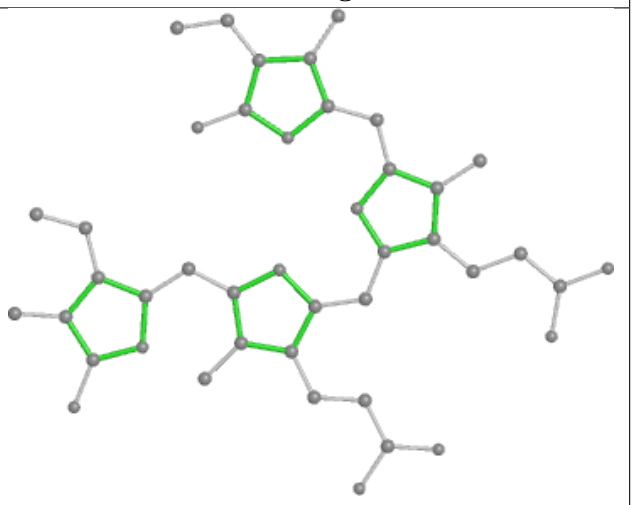

Rings

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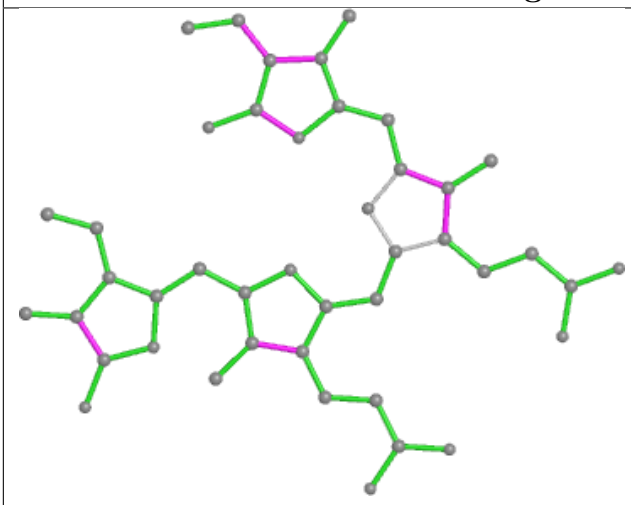

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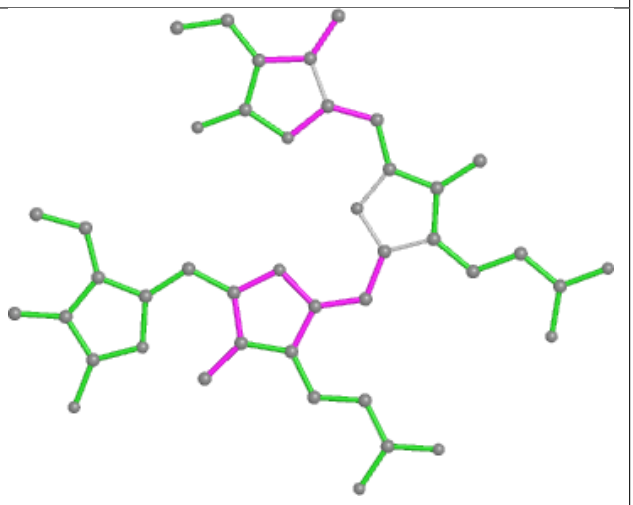

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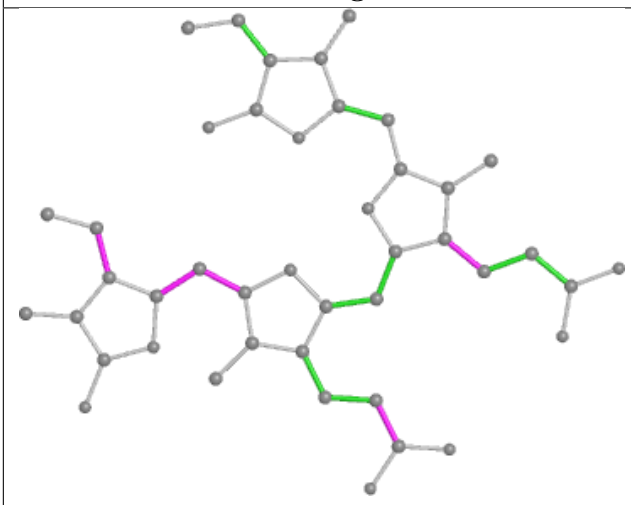

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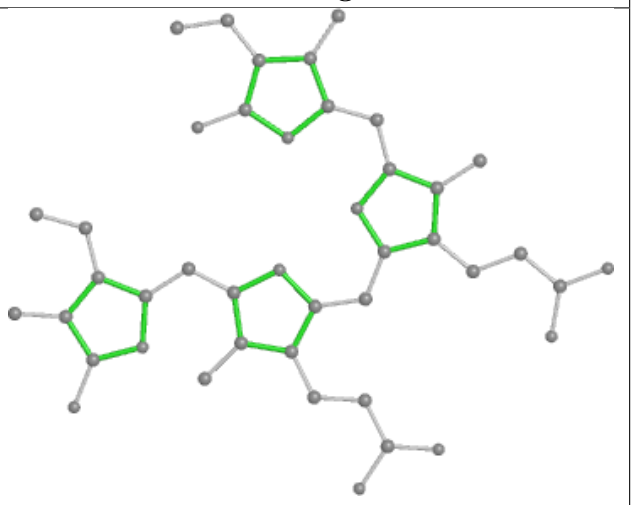

Rings

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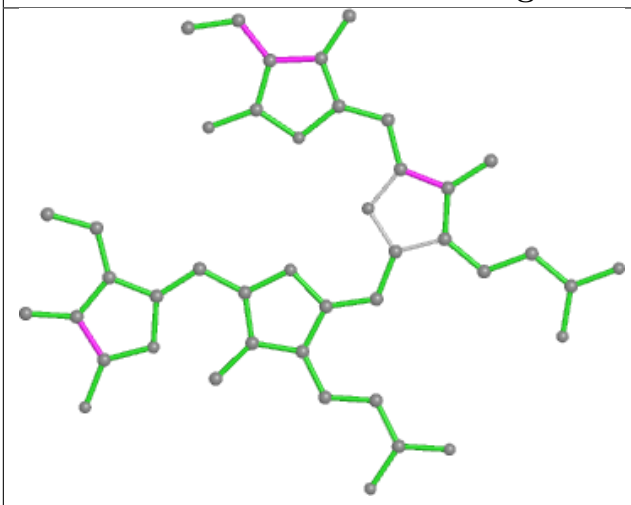

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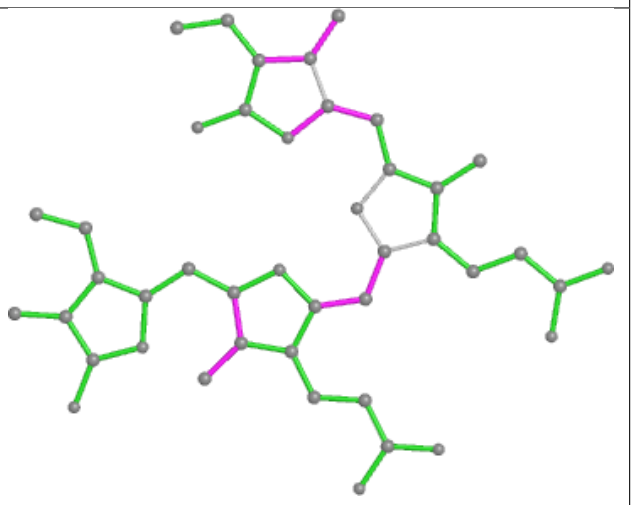

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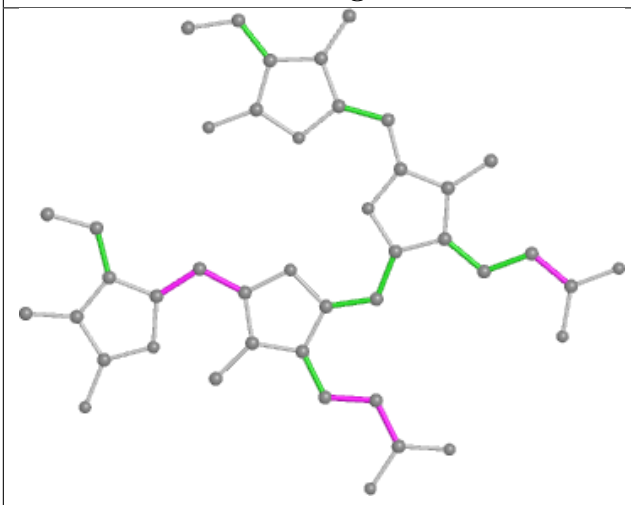

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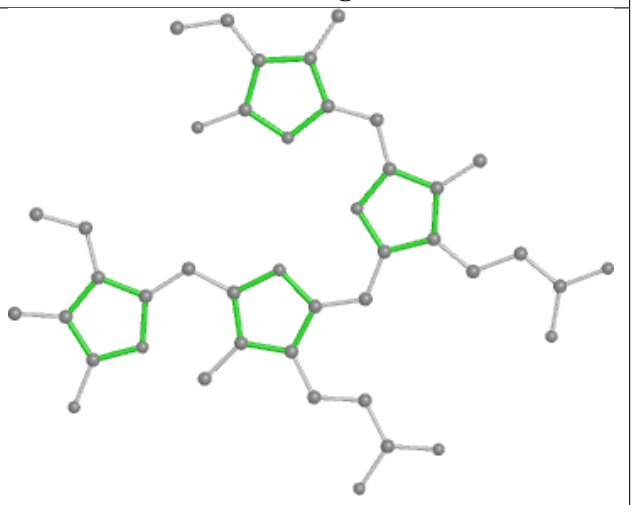
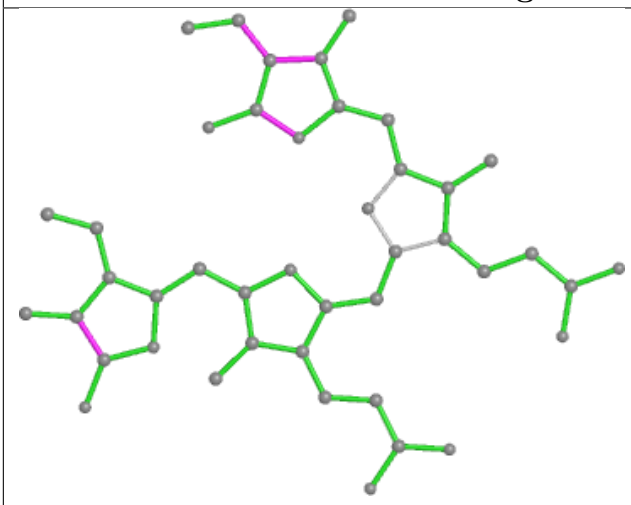


Rings

Ligand PEB T7 201



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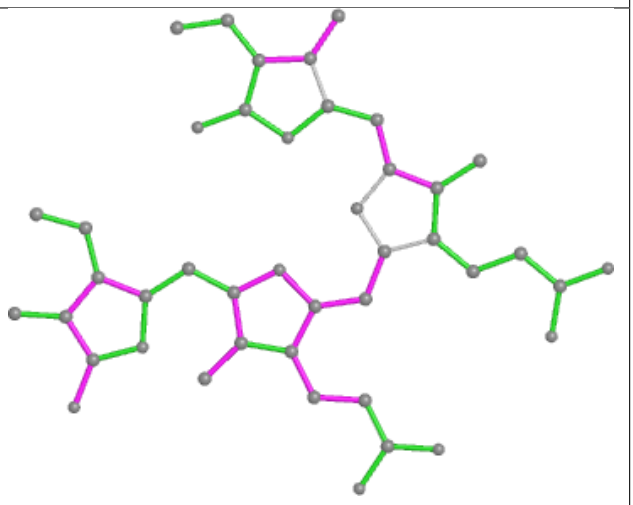

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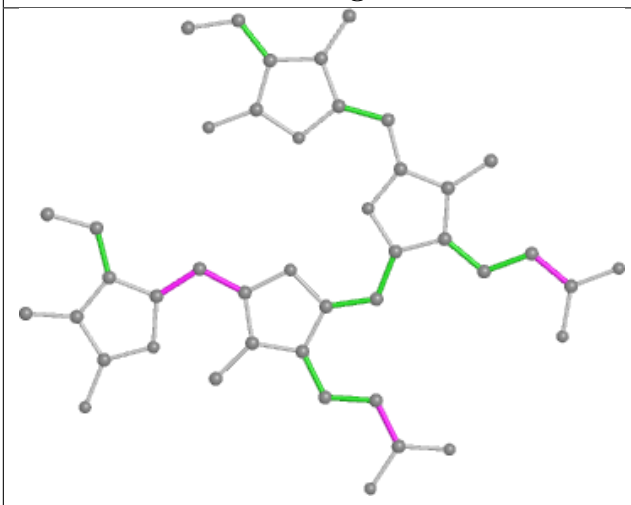

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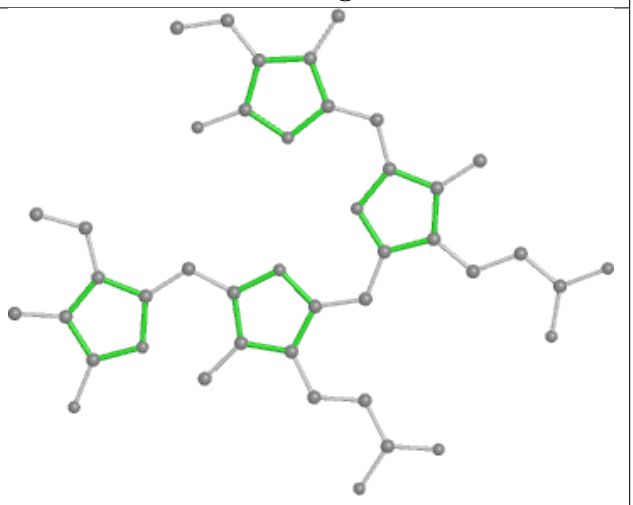

Rings

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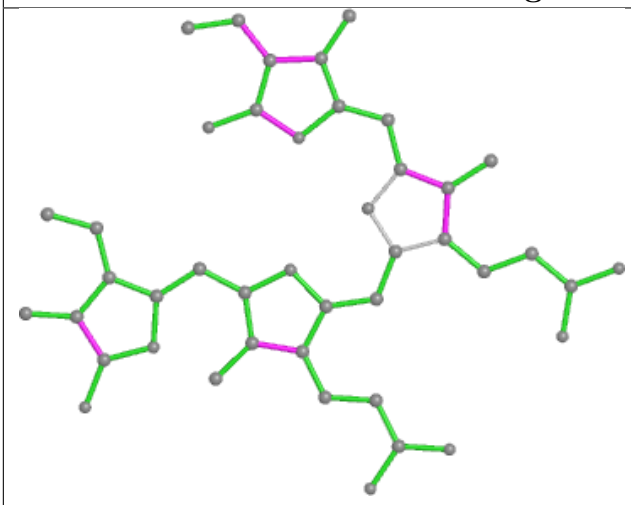

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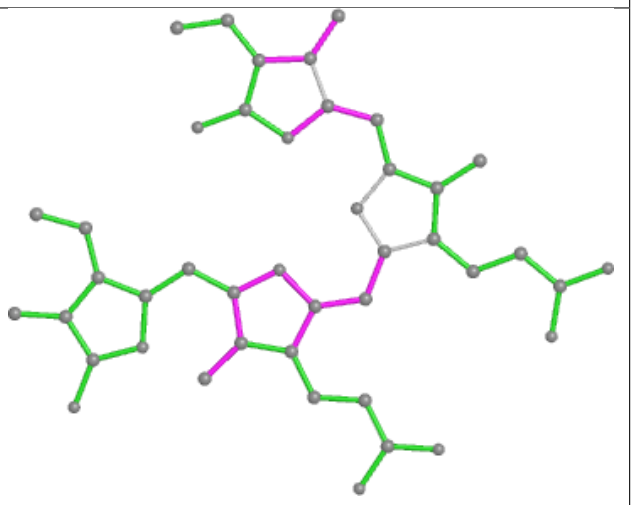

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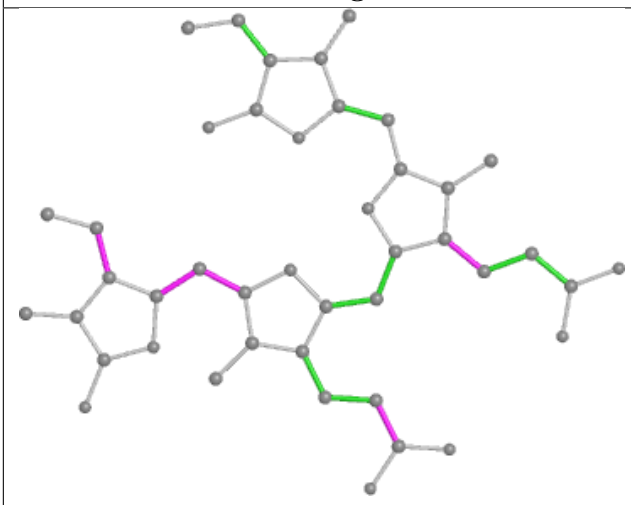

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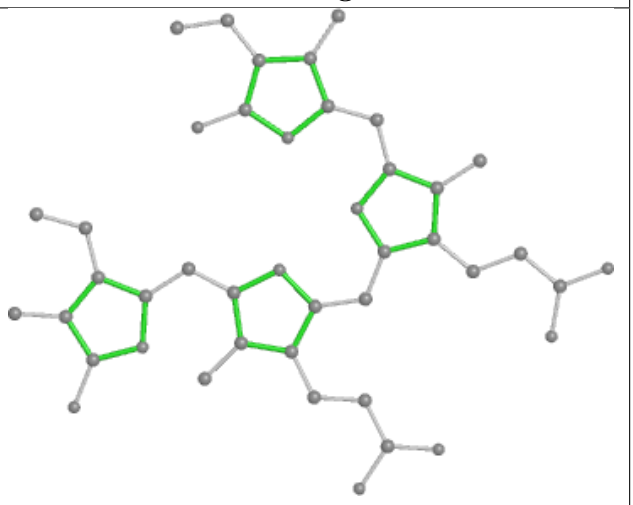

Rings

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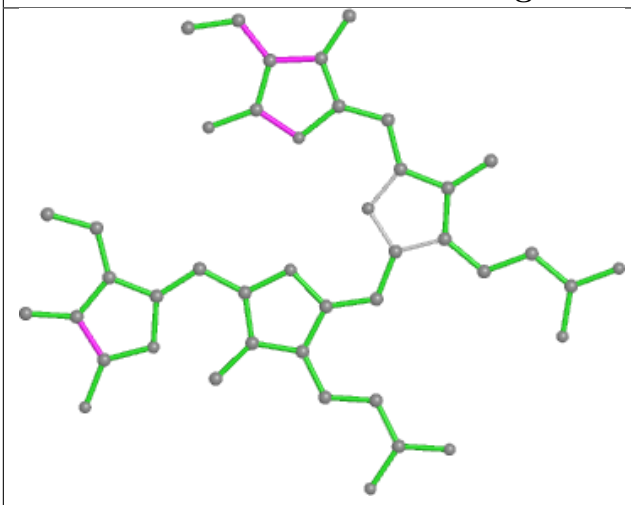

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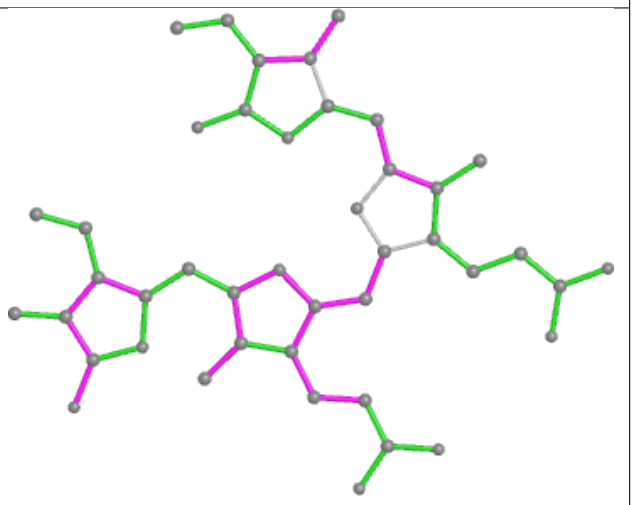

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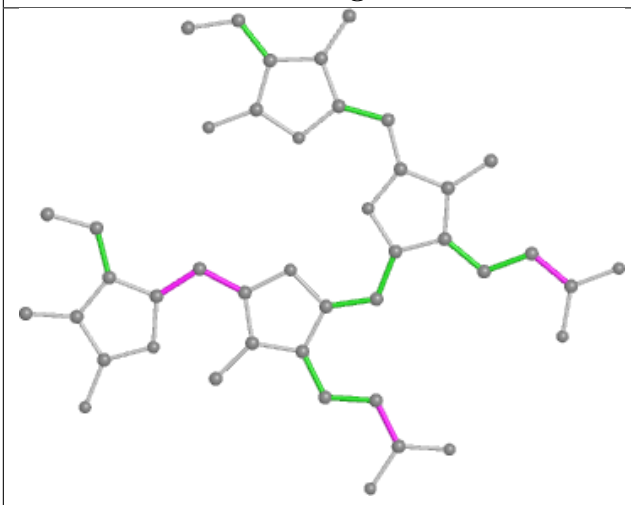

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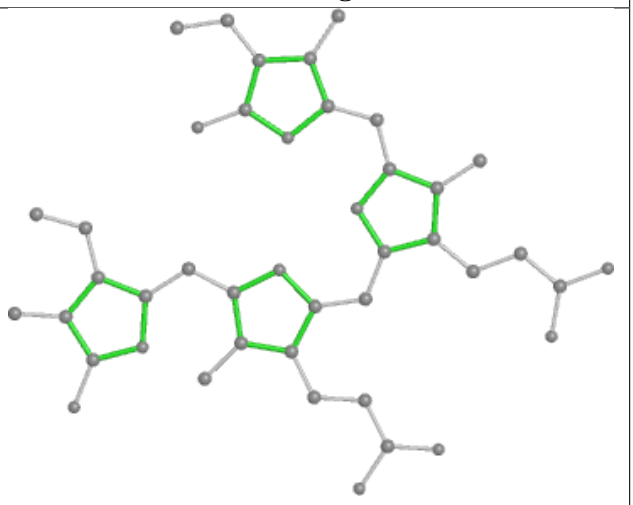
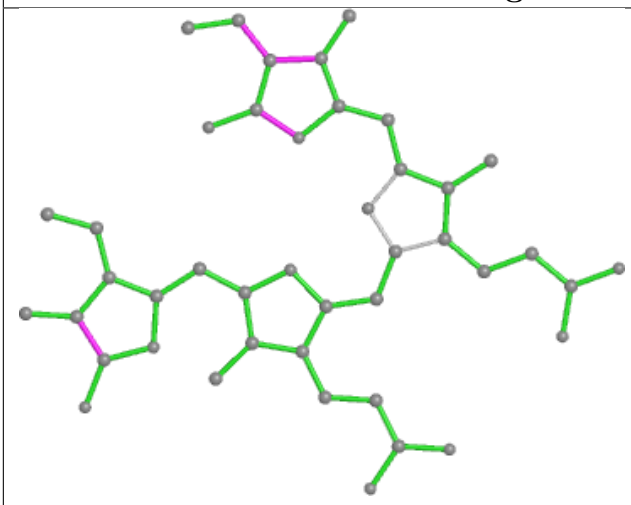


Rings

Ligand PEB K9 1001



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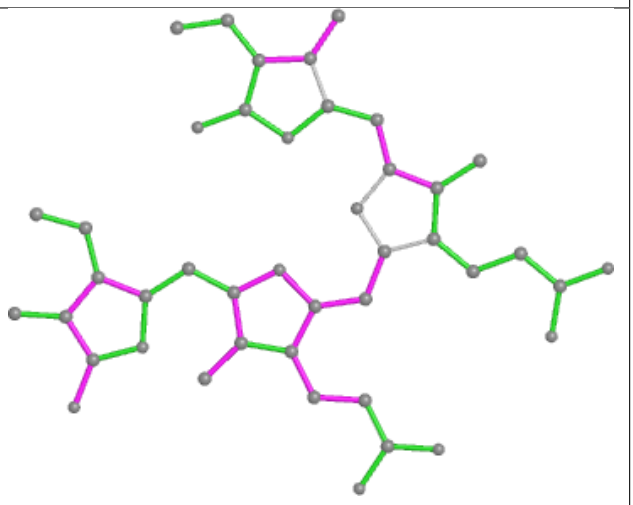

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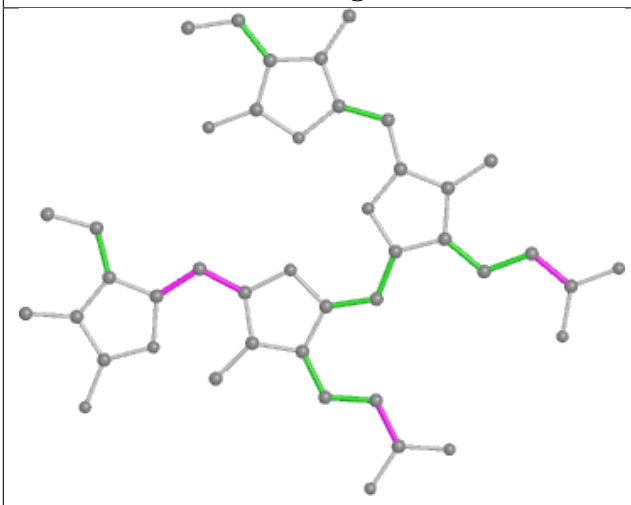

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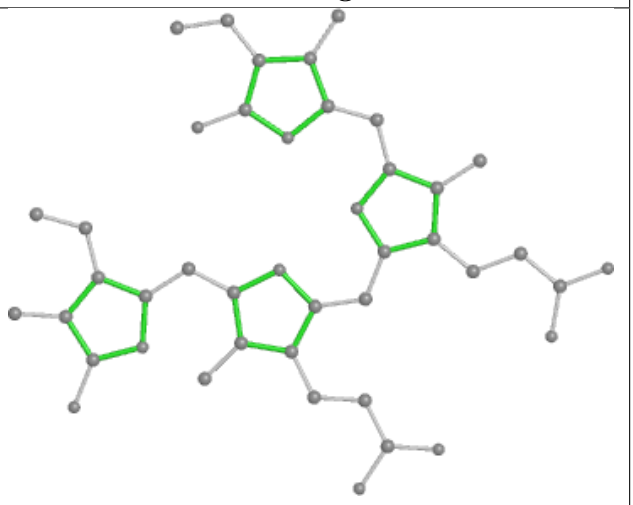

Rings

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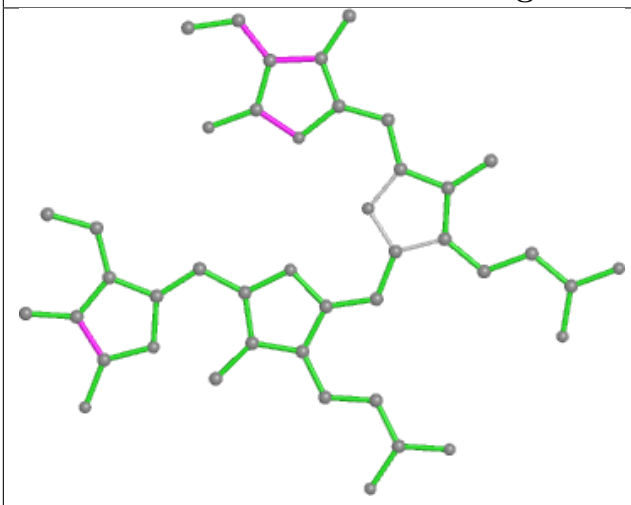

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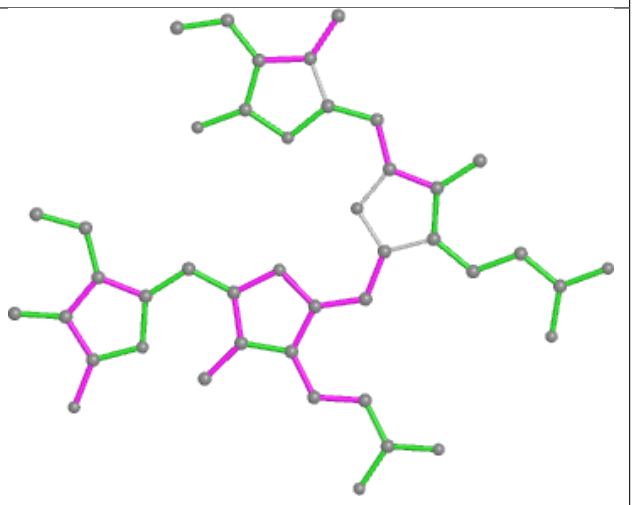

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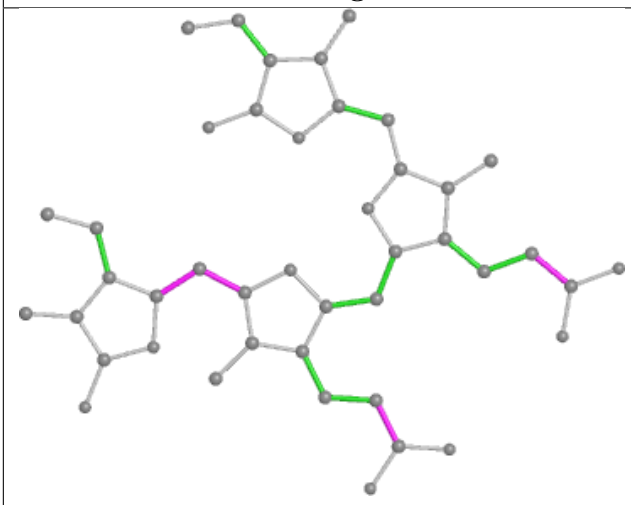

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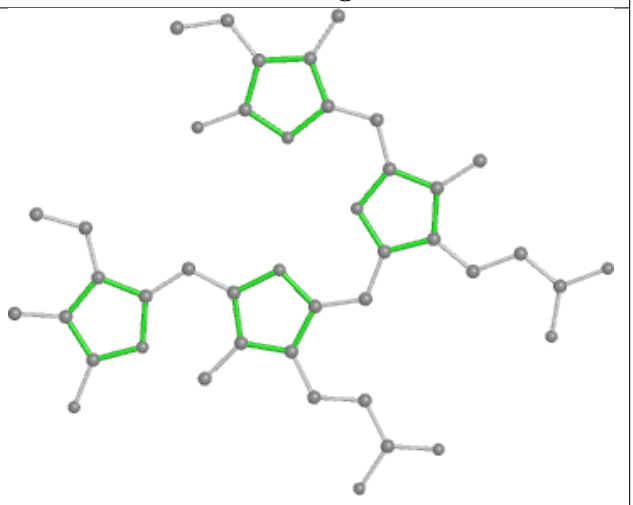

Rings

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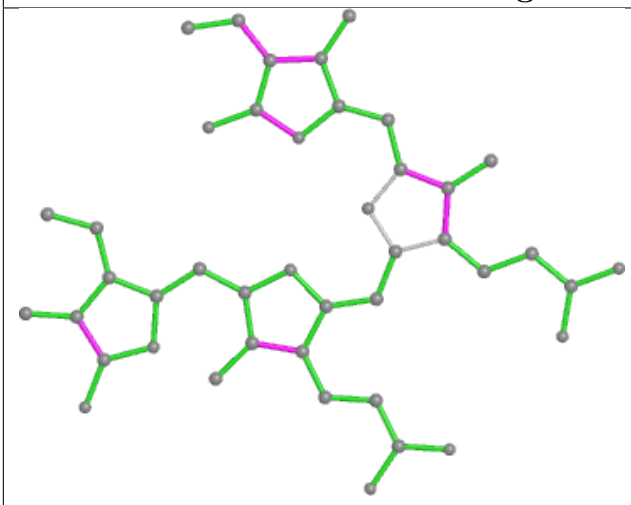

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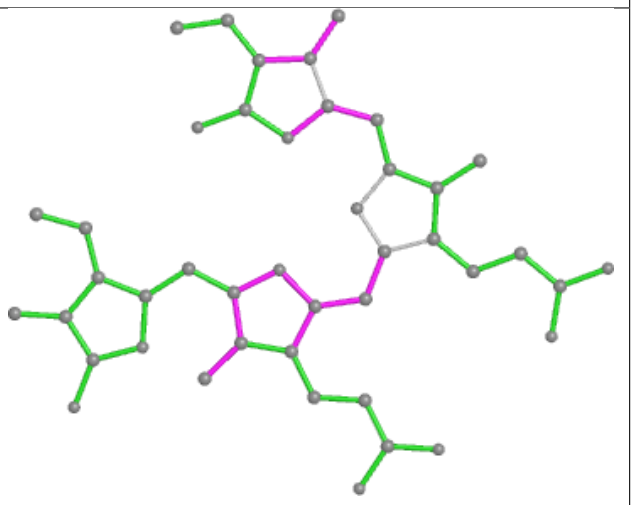

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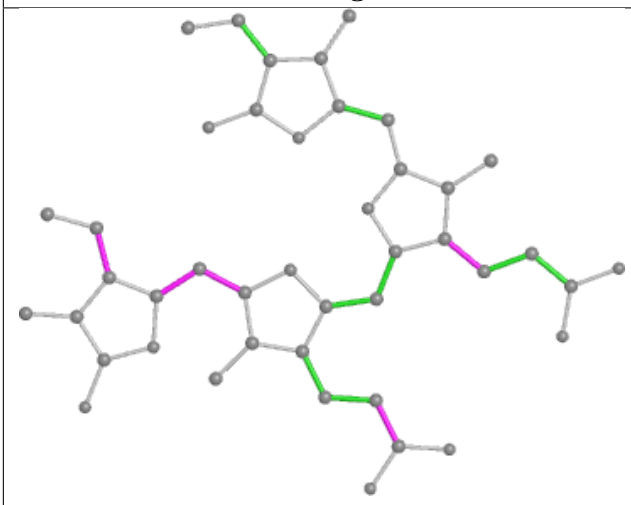

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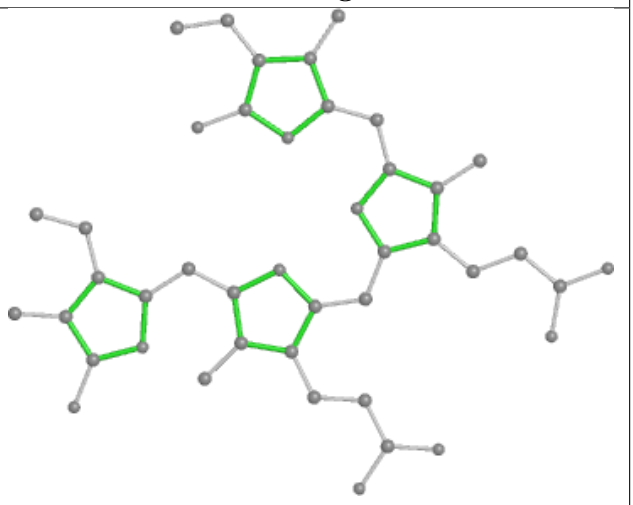

Rings

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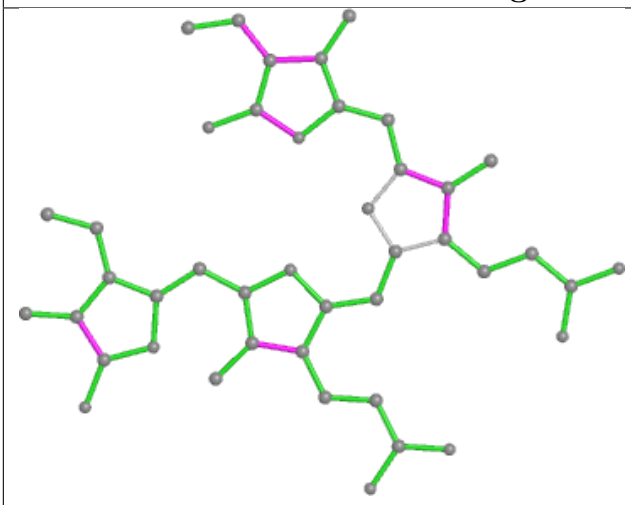

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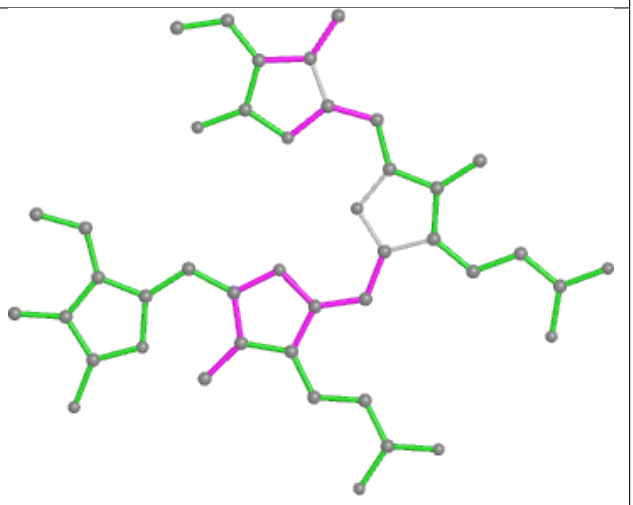

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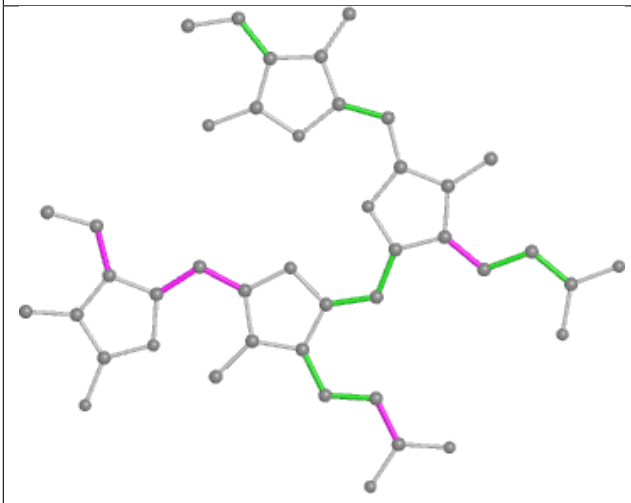

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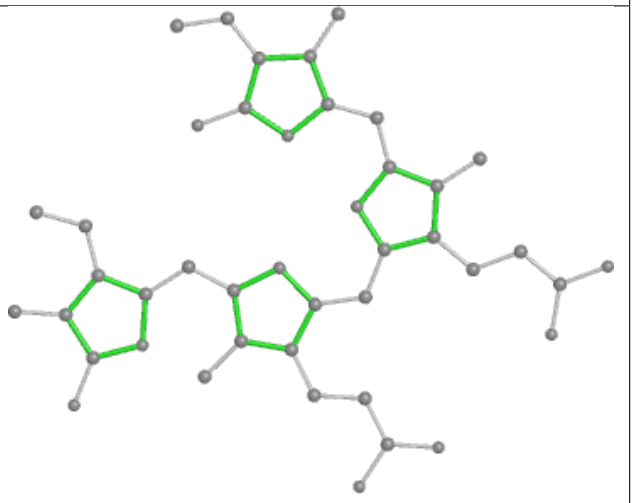

Rings

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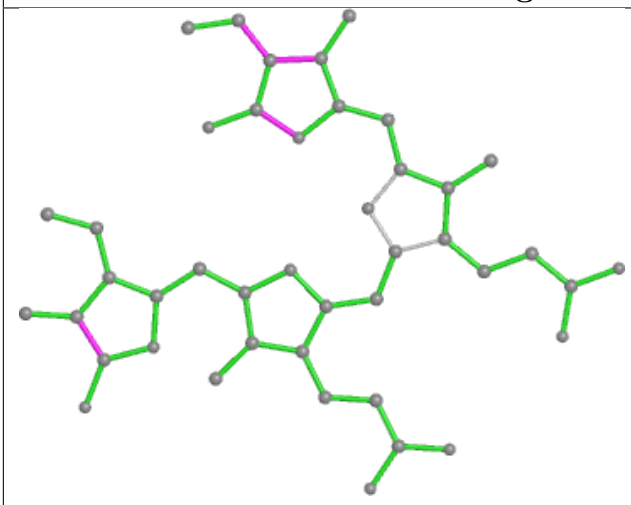

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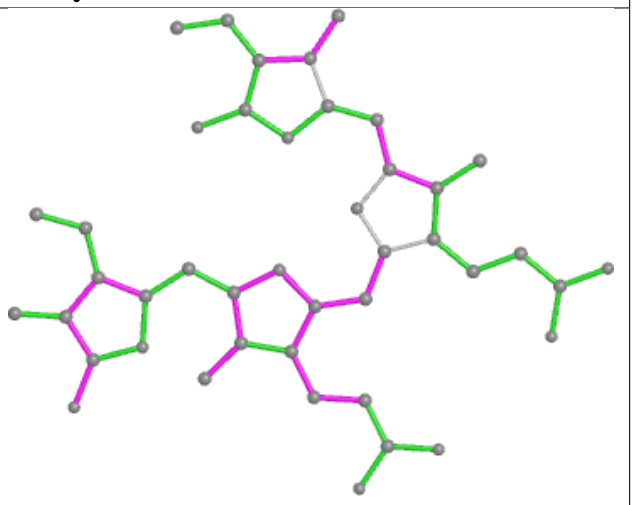

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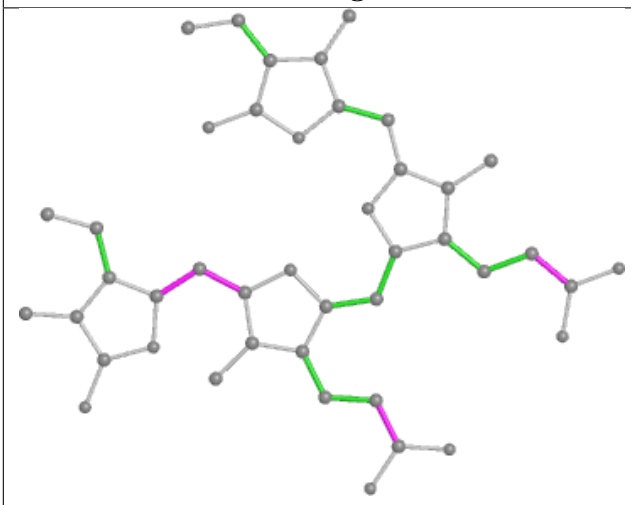

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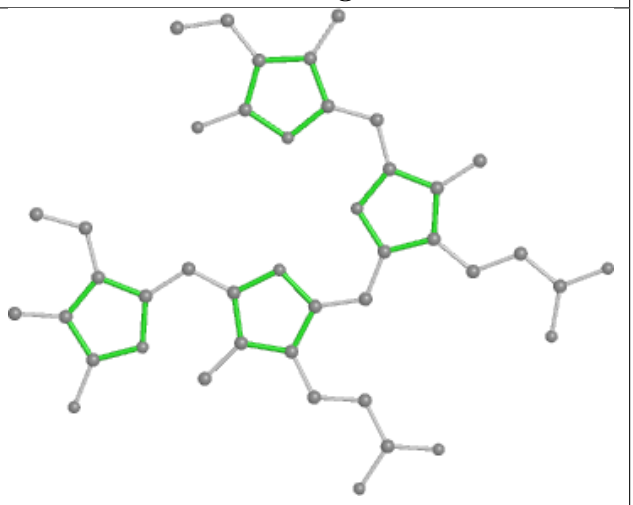
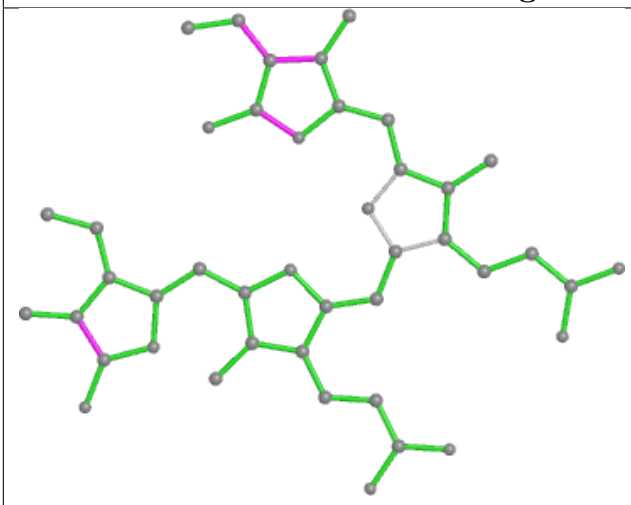


Rings

Ligand PEB be 201



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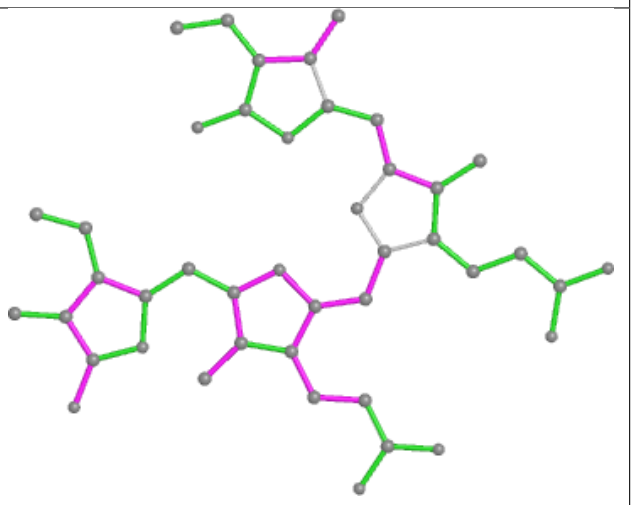

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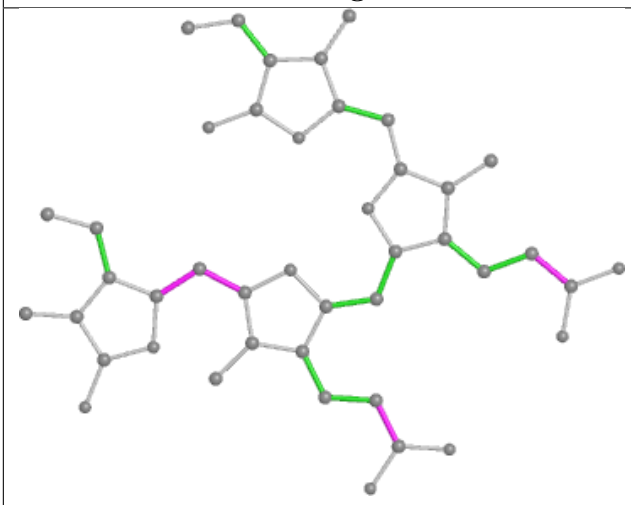

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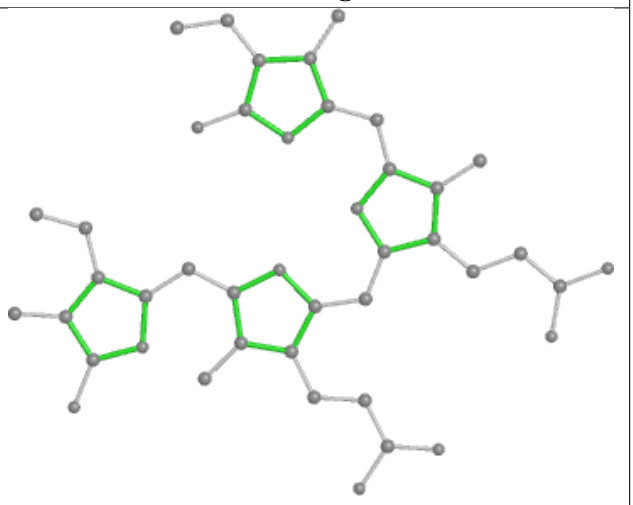
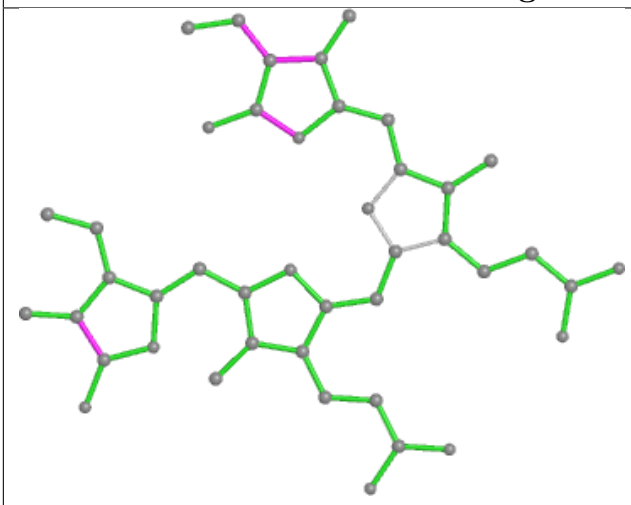


Rings

Ligand PEB bx 202



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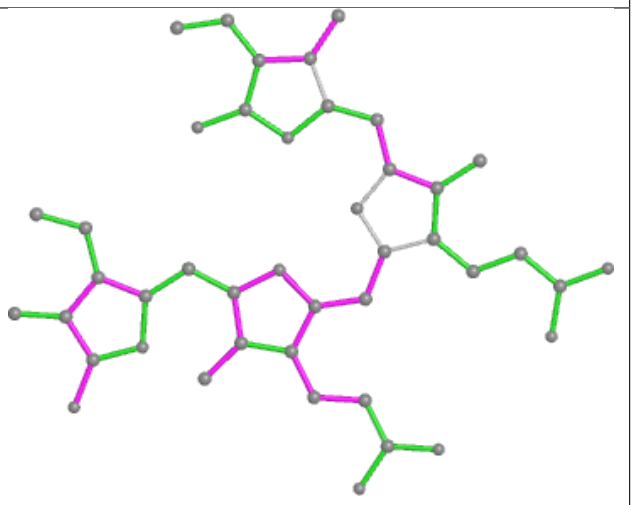

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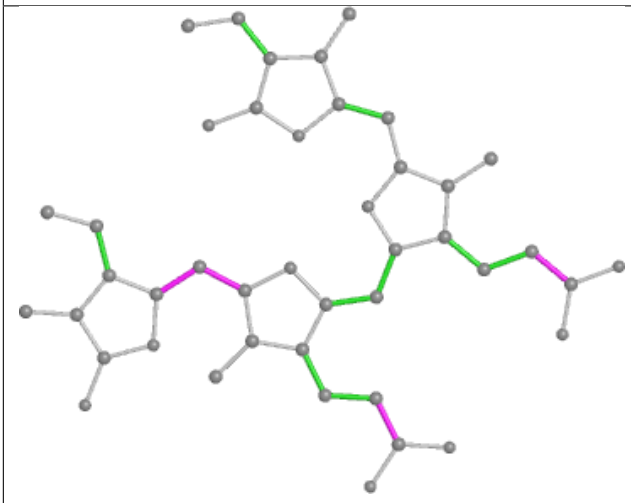
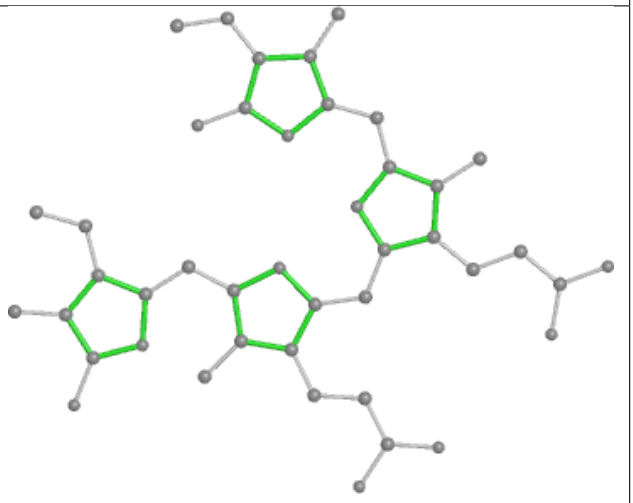
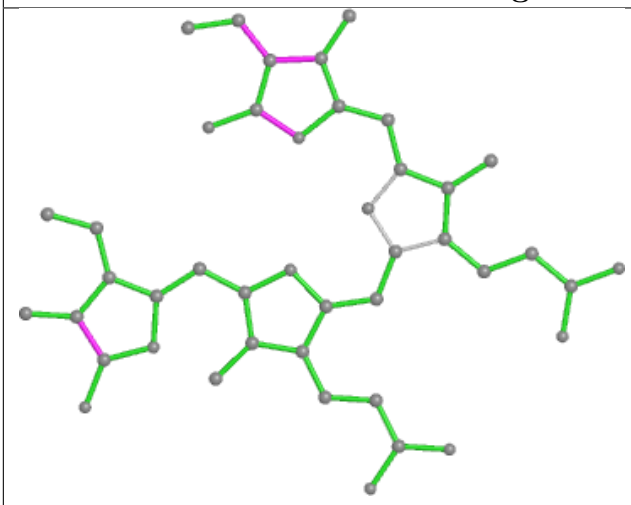


Torsions



Rings

Ligand PEB M8 202



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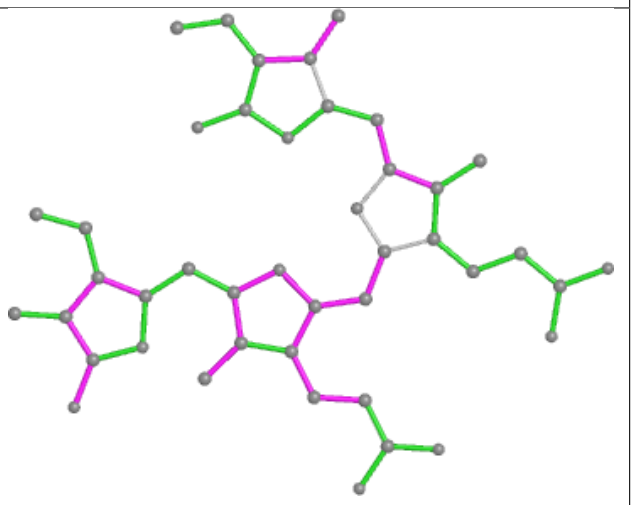

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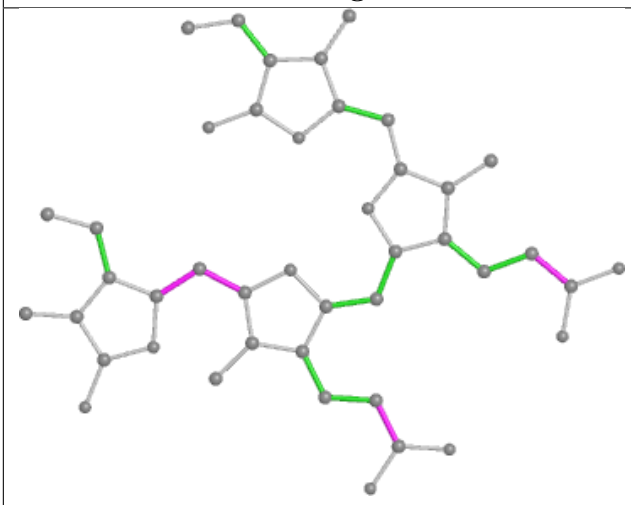

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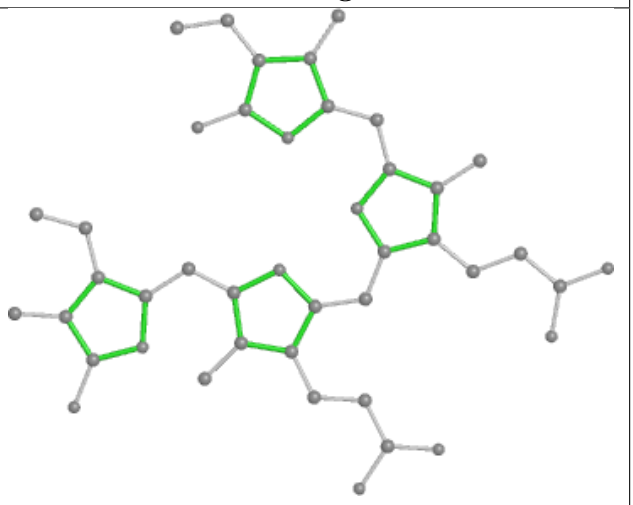
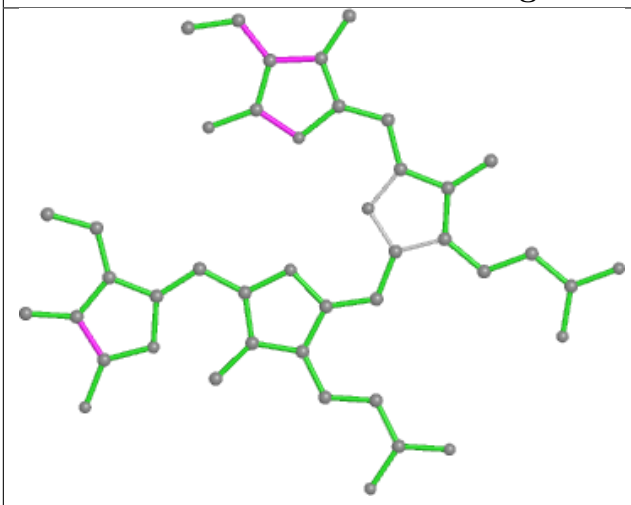


Rings

Ligand PEB J8 201



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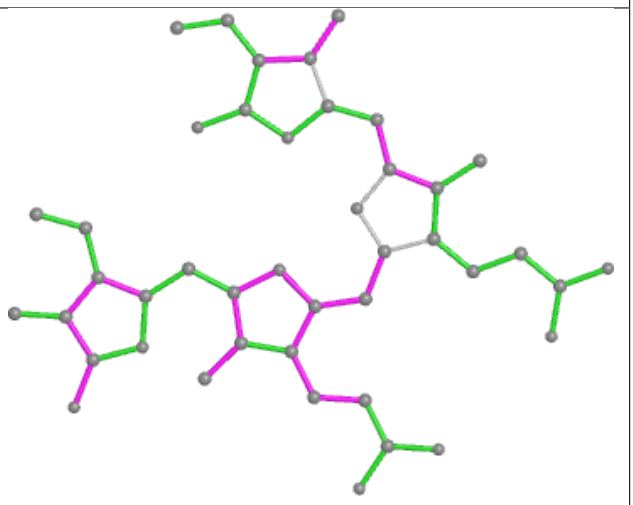

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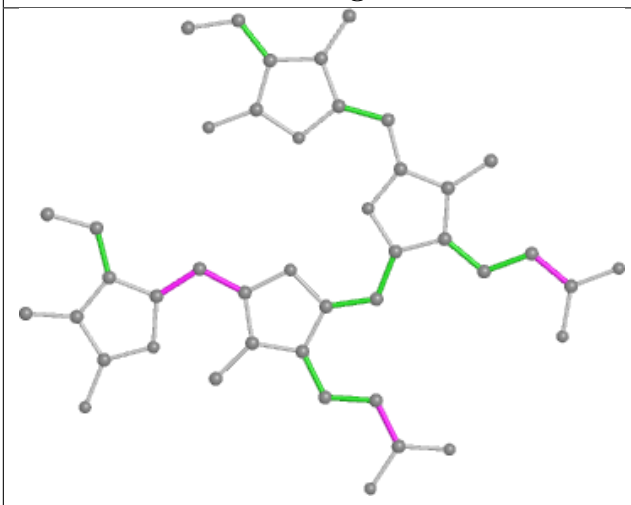

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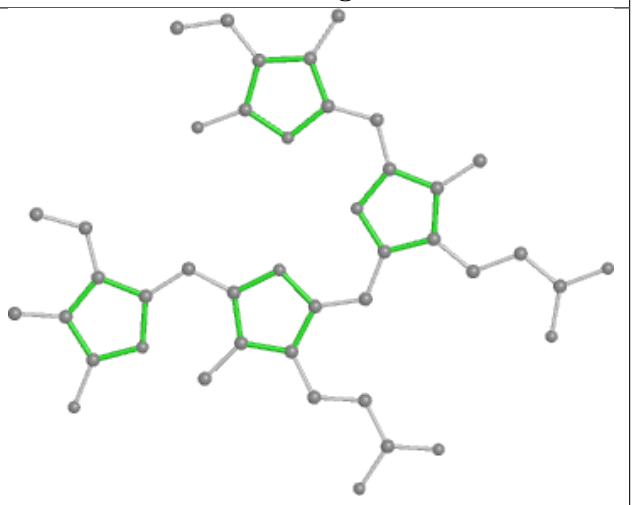
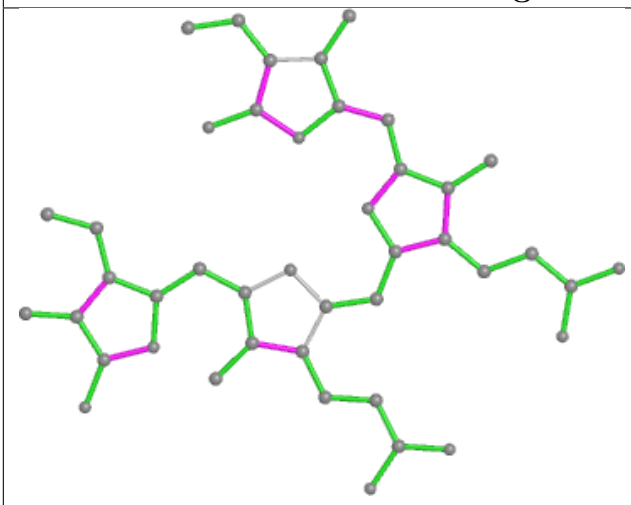


Rings

Ligand PUB bT 202



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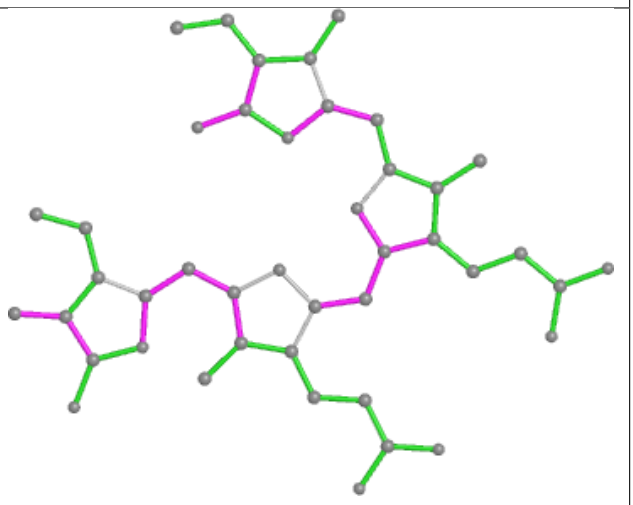

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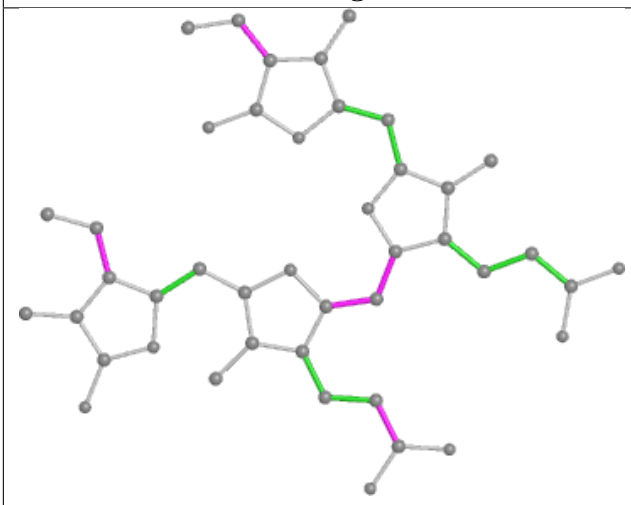

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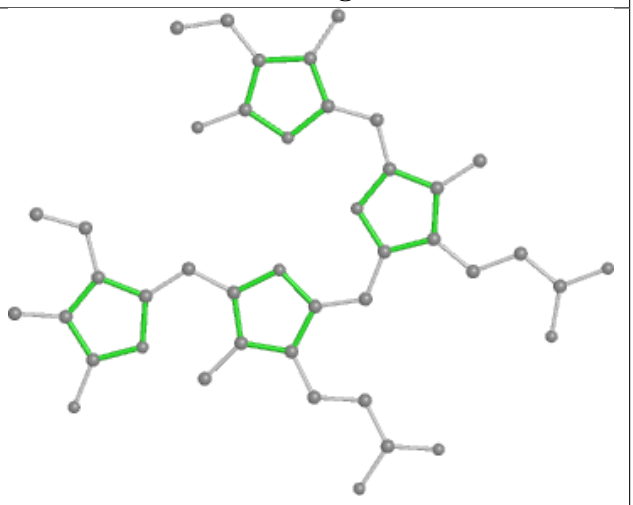
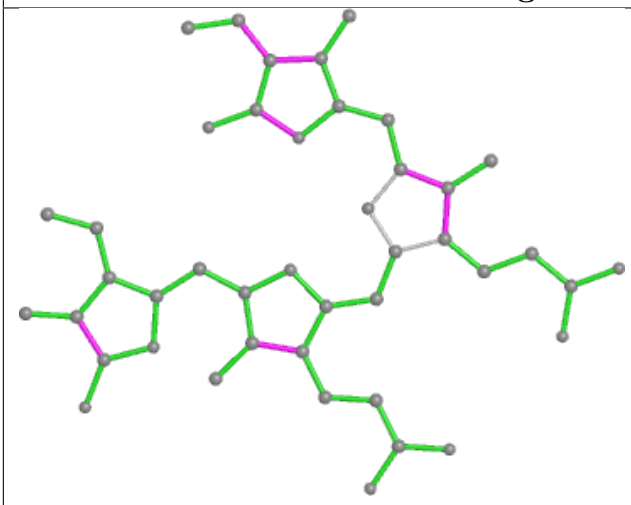


Rings

Ligand PEB dh 202



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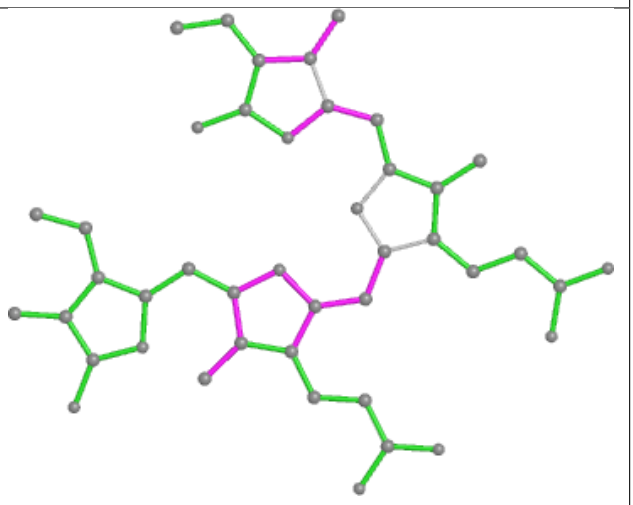

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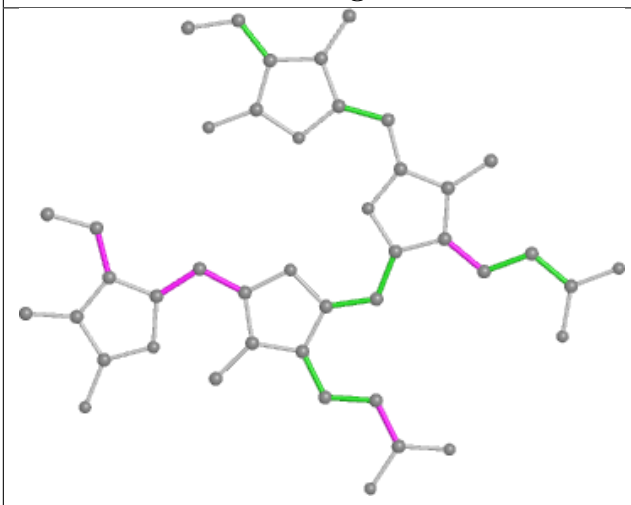

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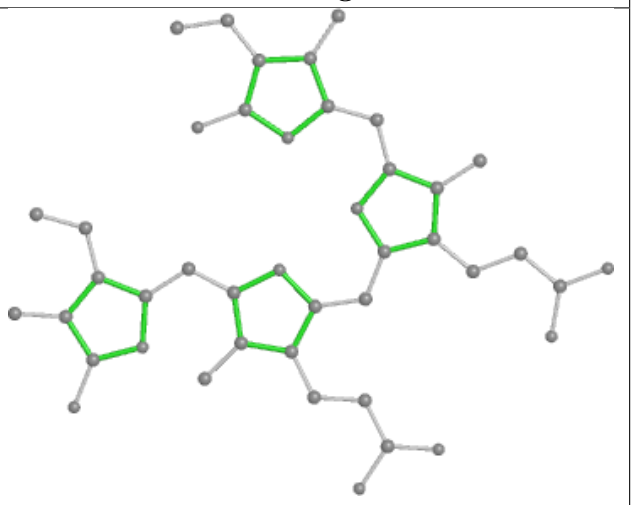
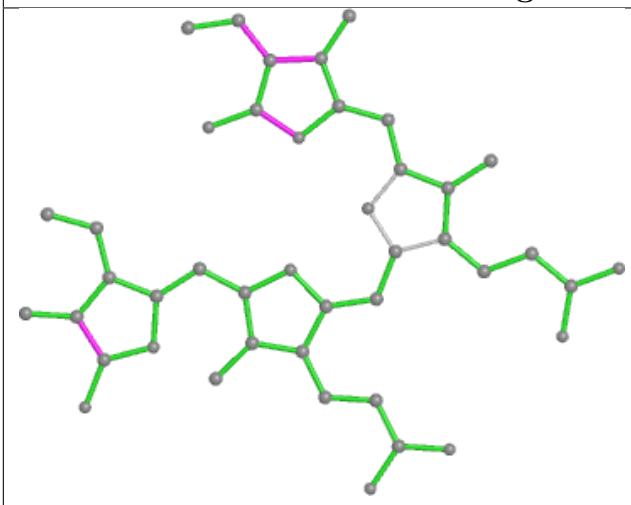


Rings

Ligand PEB P6 201



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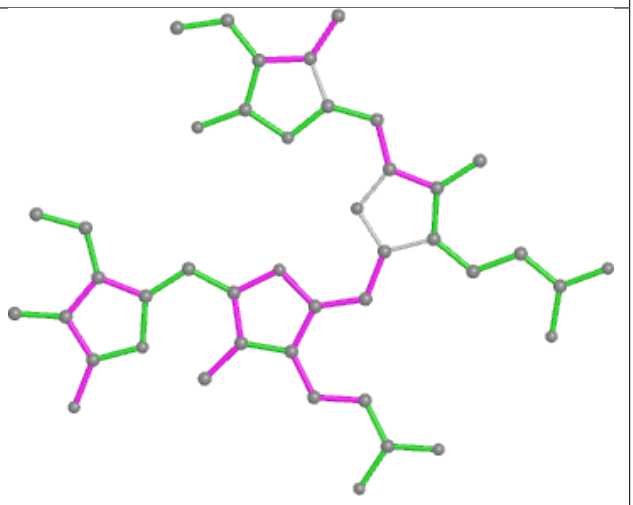

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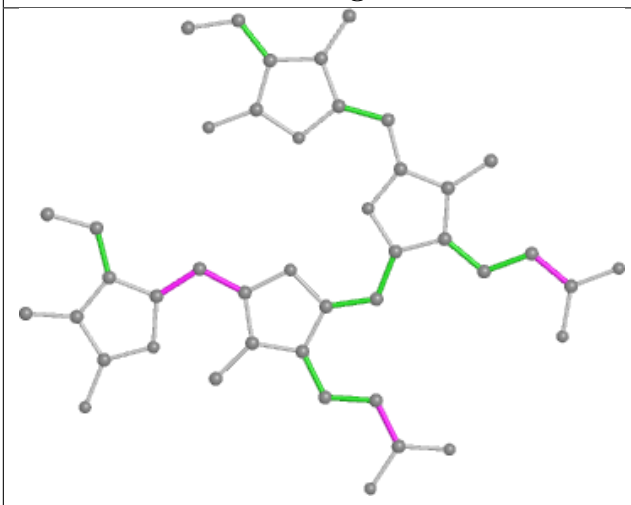

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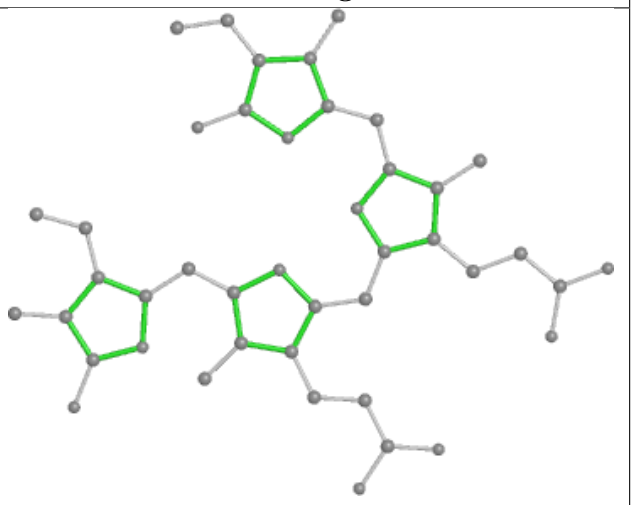
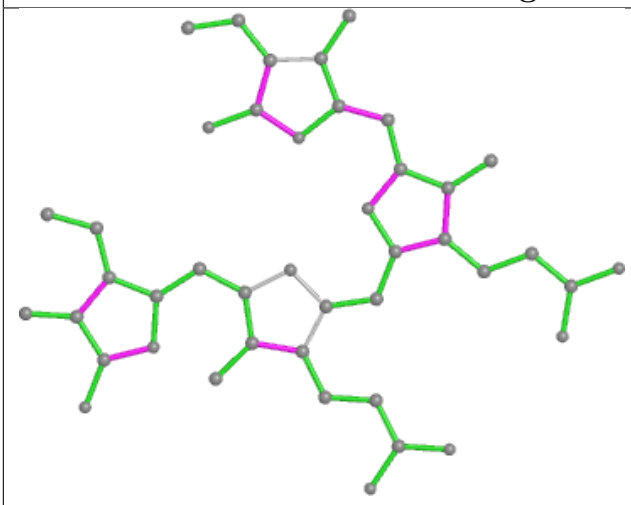


Rings

Ligand PUB r9 203



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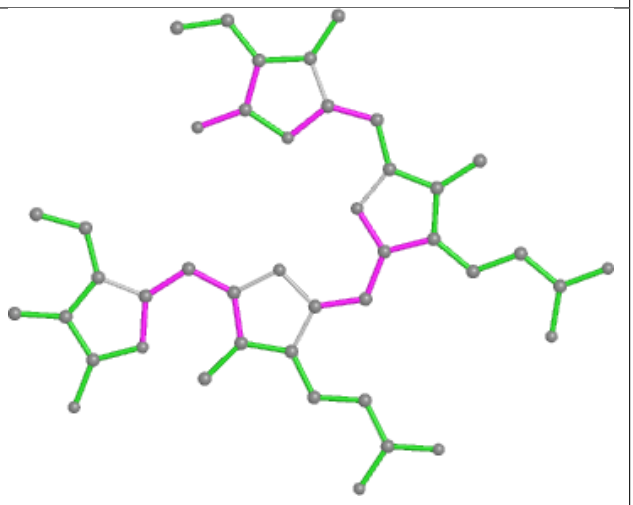

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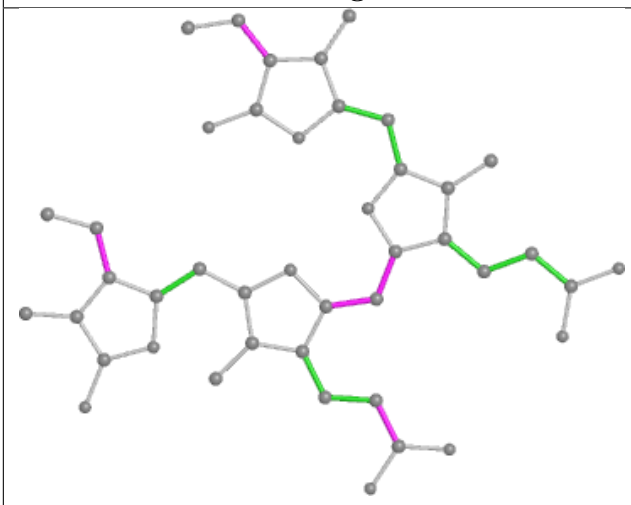

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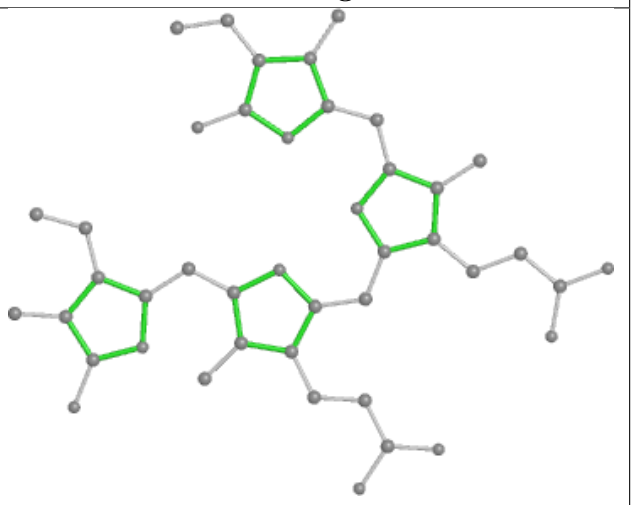
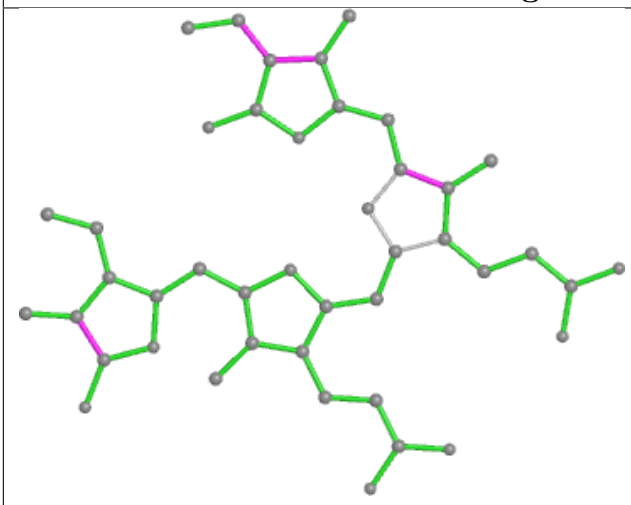


Rings

Ligand PEB s5 202



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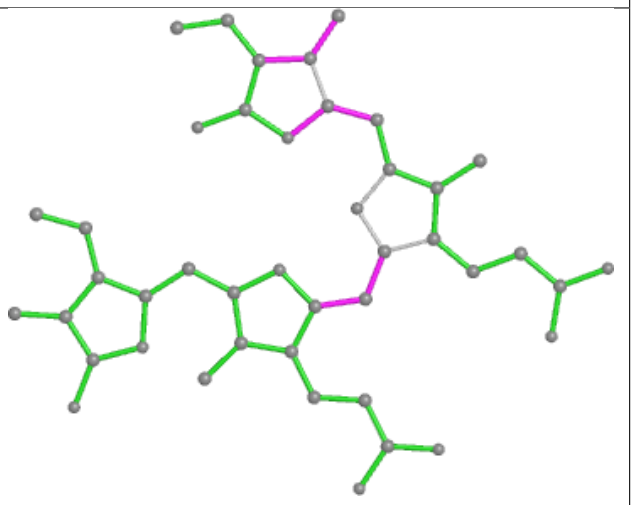

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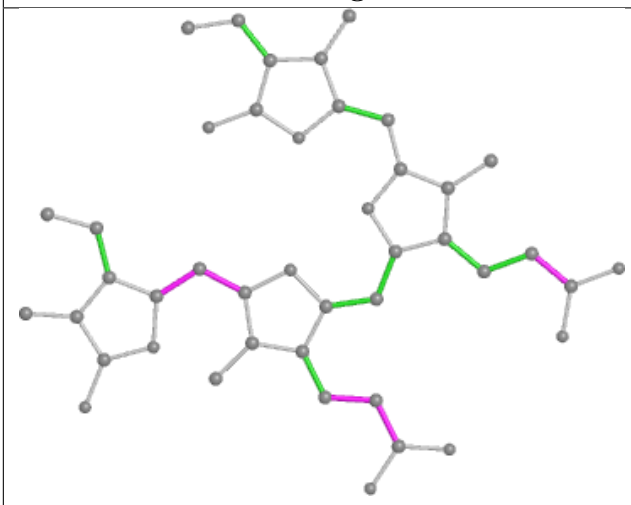

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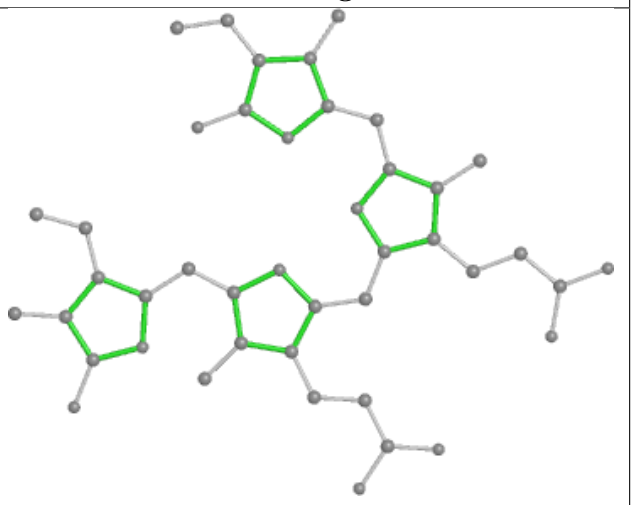
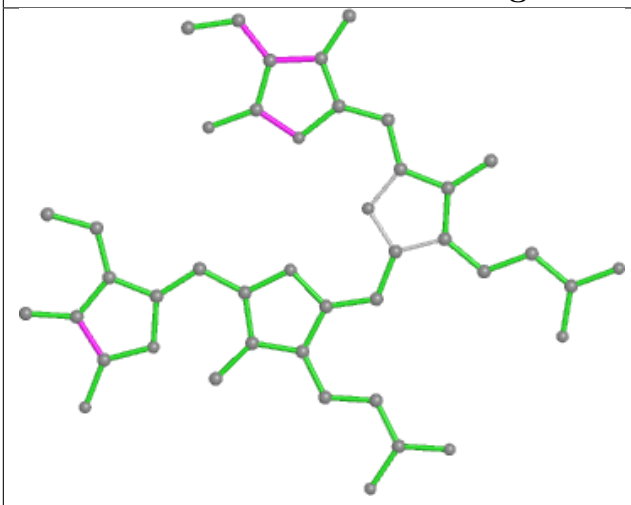


Rings

Ligand PEB dk 1001



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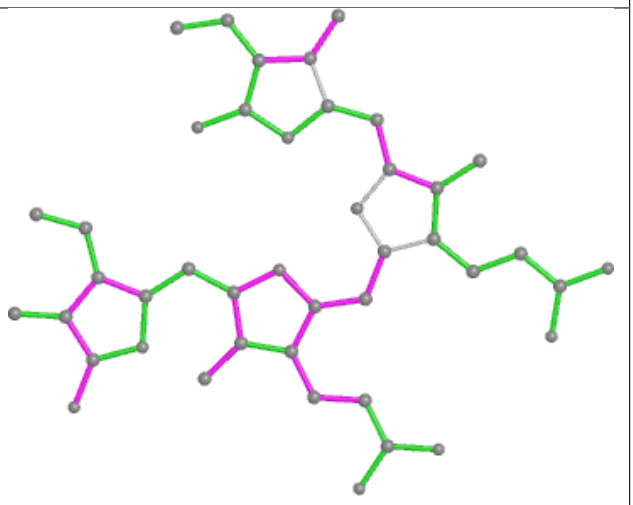

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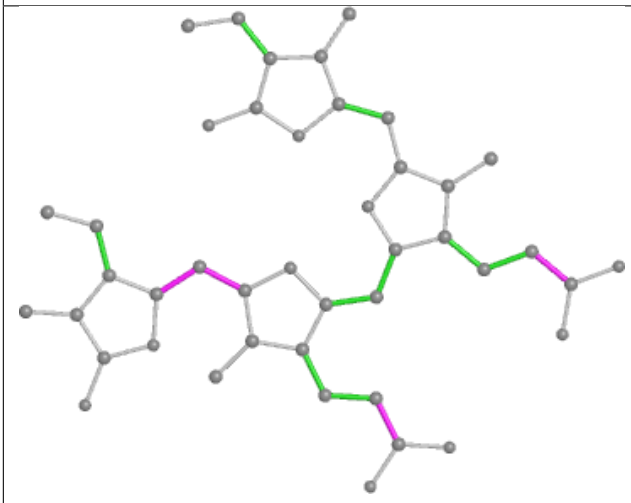

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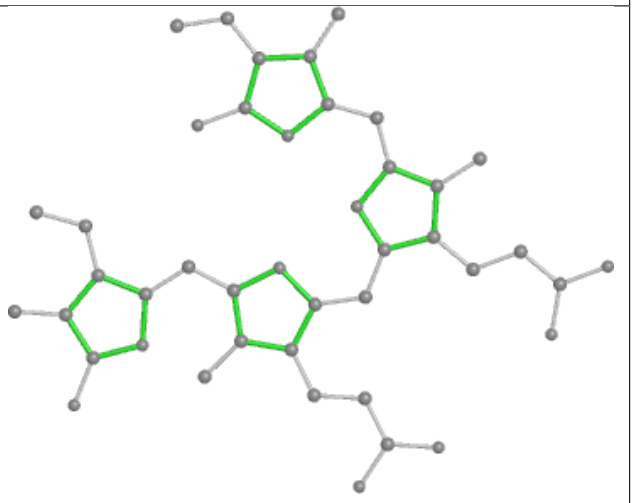

Rings

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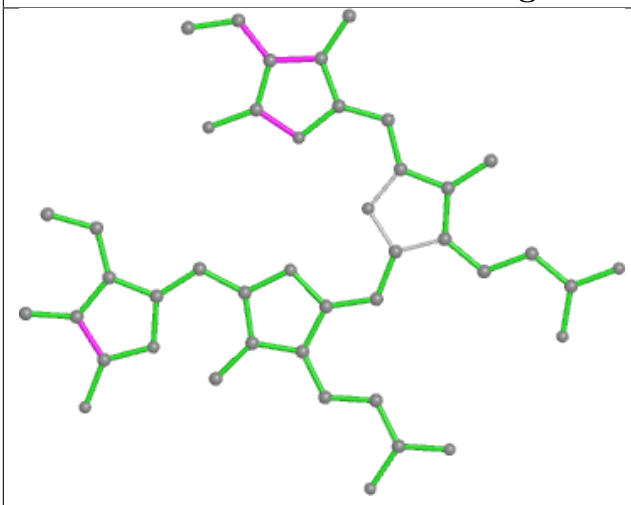

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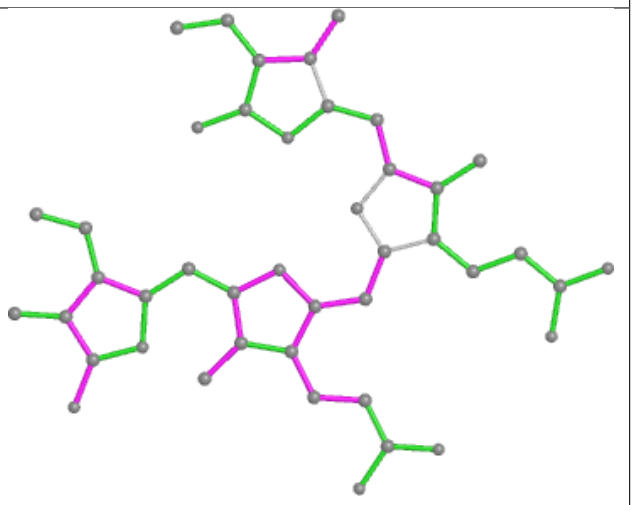

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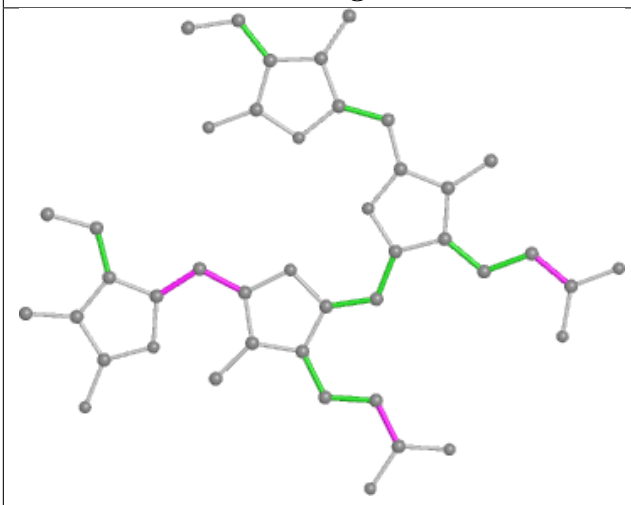

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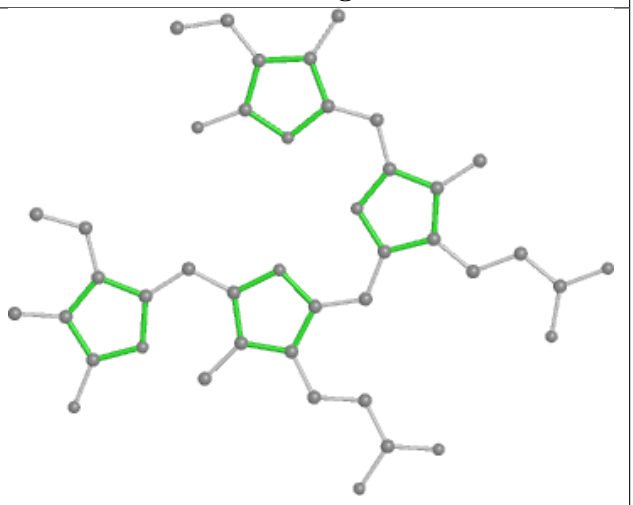
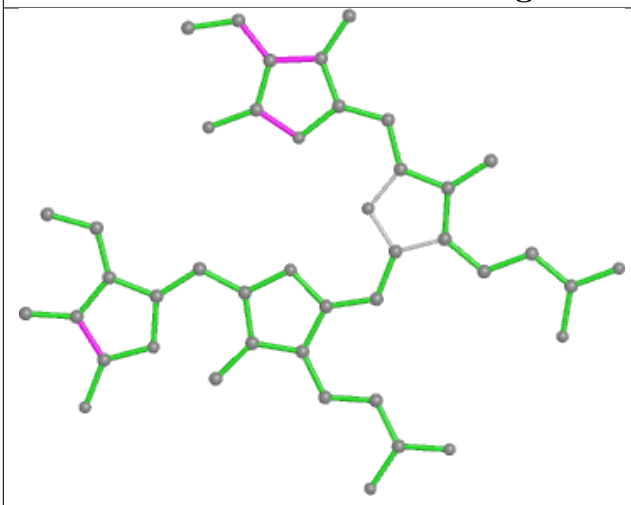


Rings

Ligand PEB aY 406



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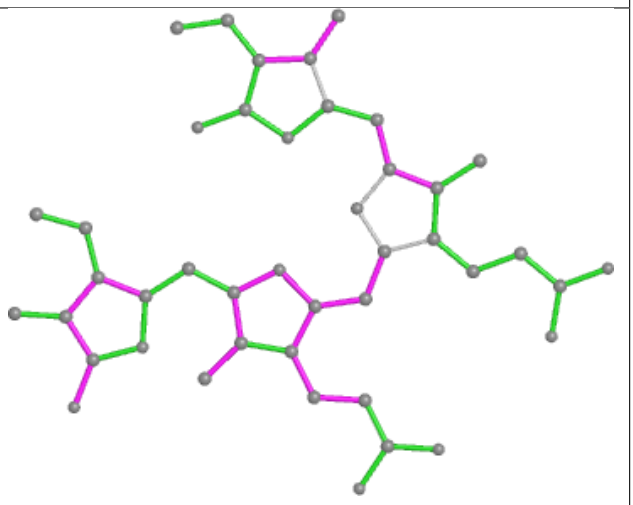

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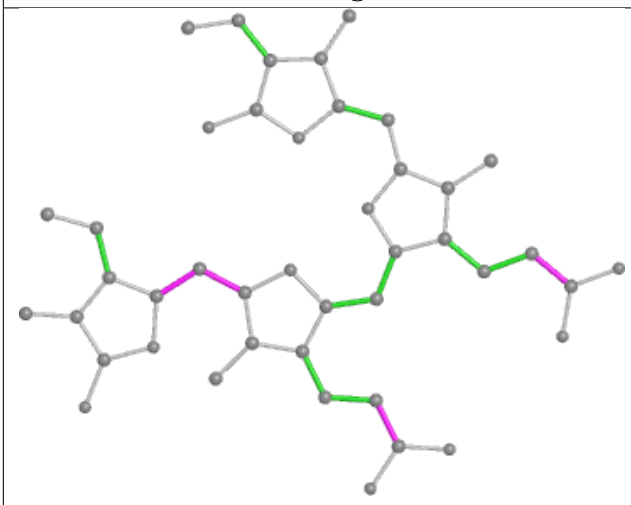

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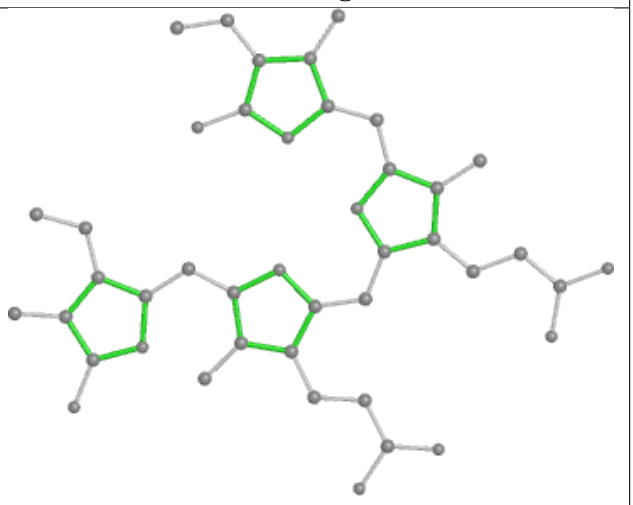
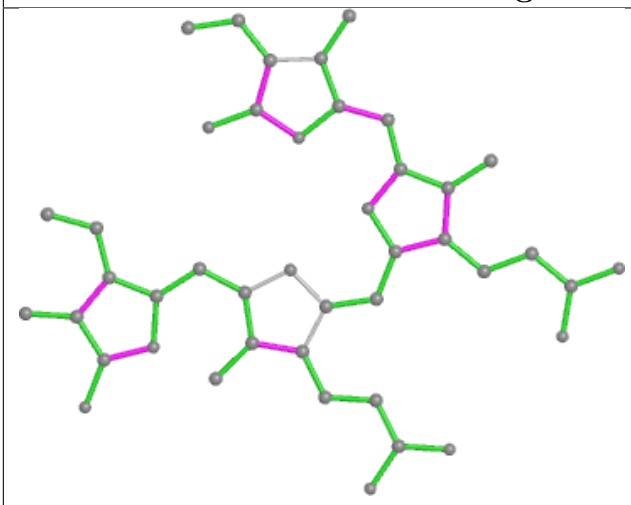


Rings

Ligand PUB Z2 203



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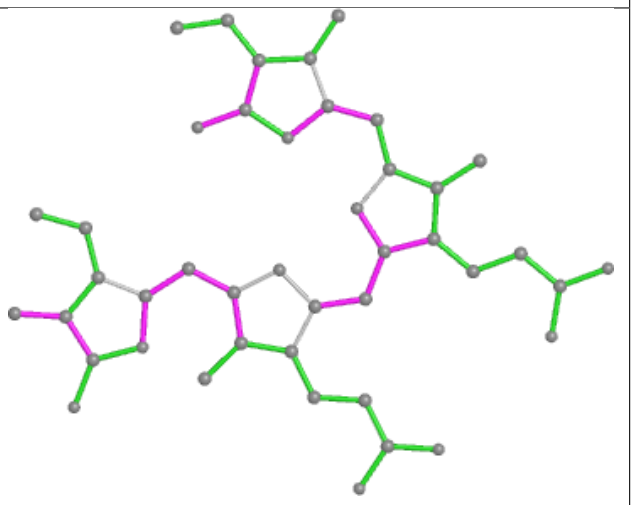

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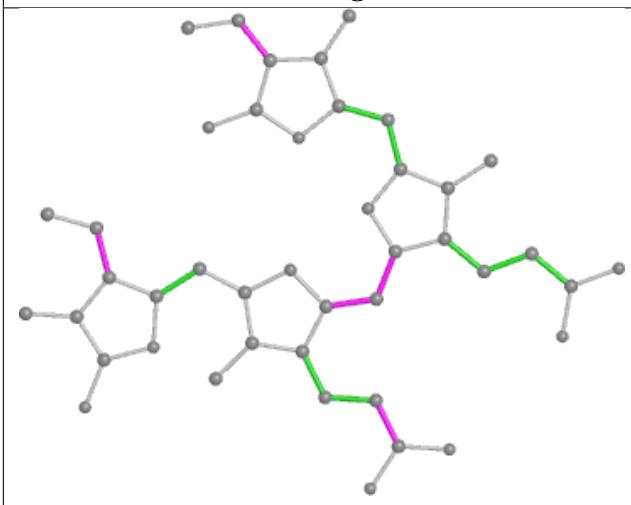

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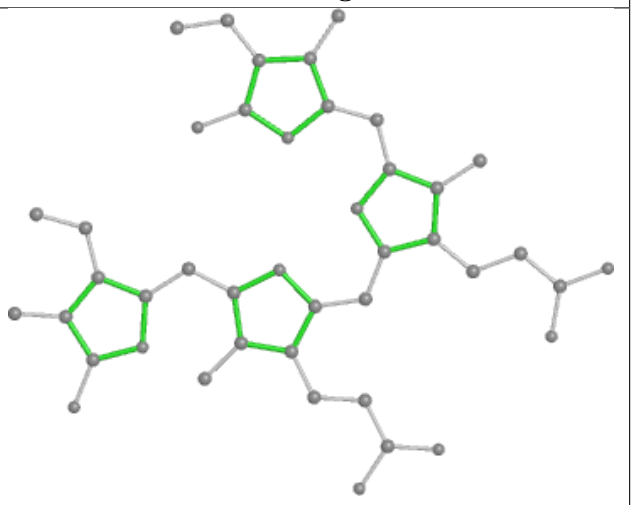
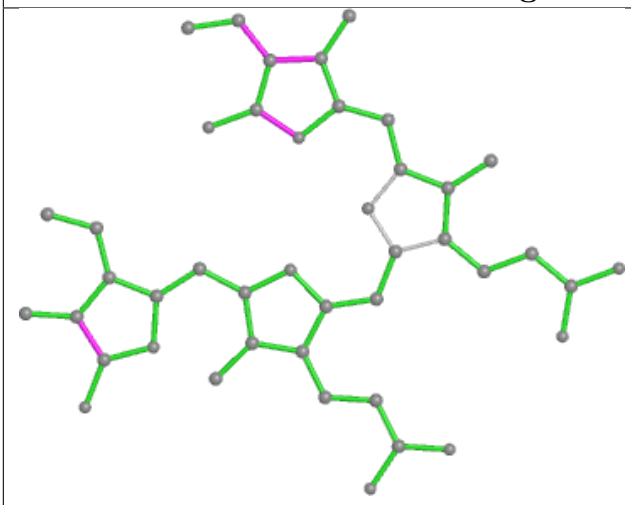


Rings

Ligand PEB g8 201



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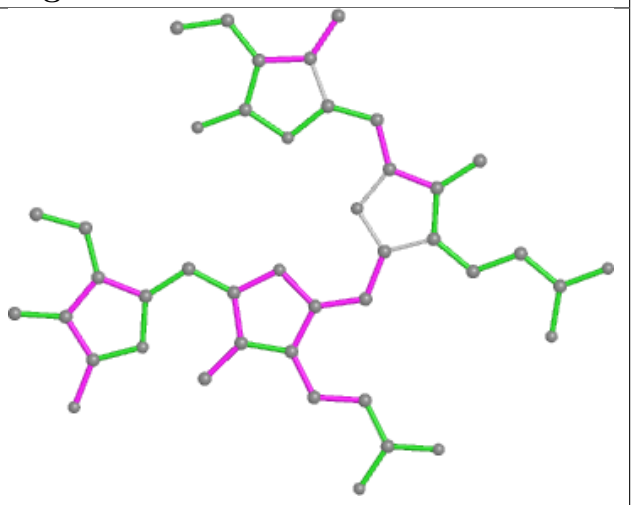

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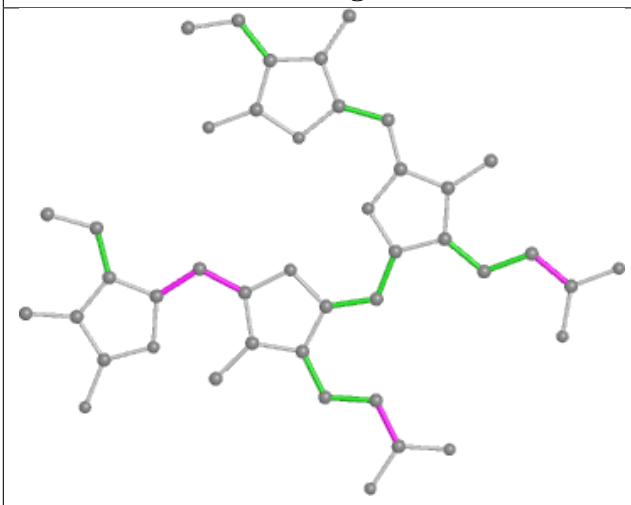

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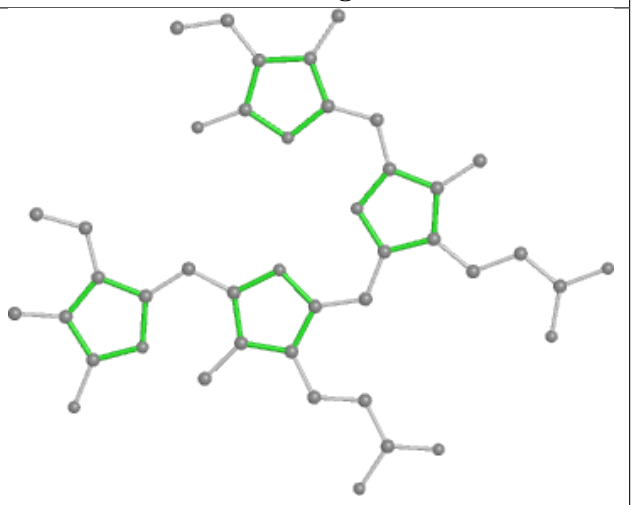
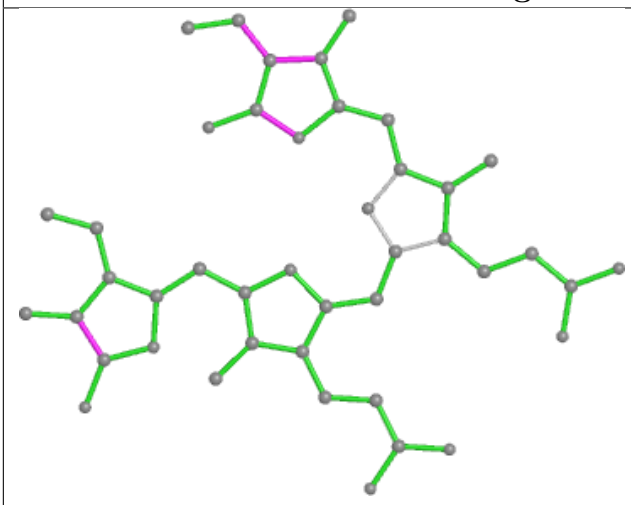


Rings

Ligand PEB m6 201



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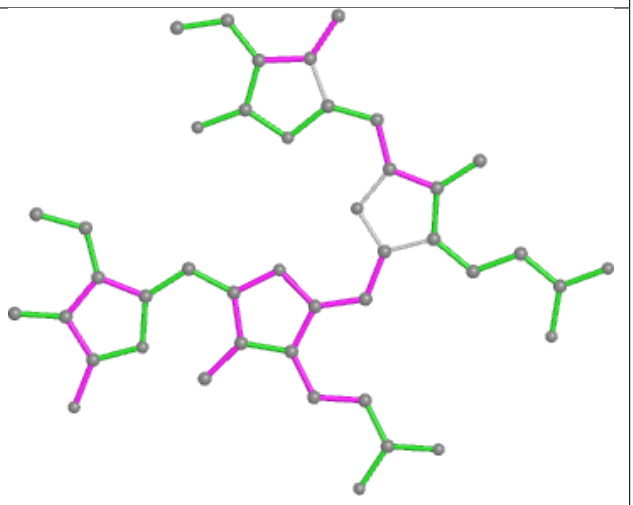
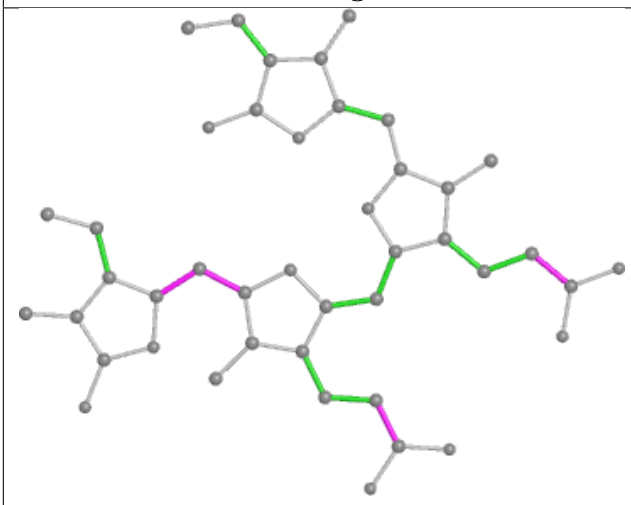


Bond angles



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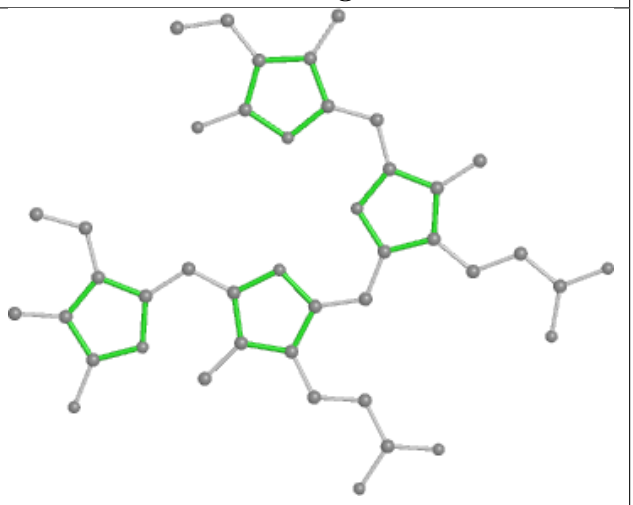
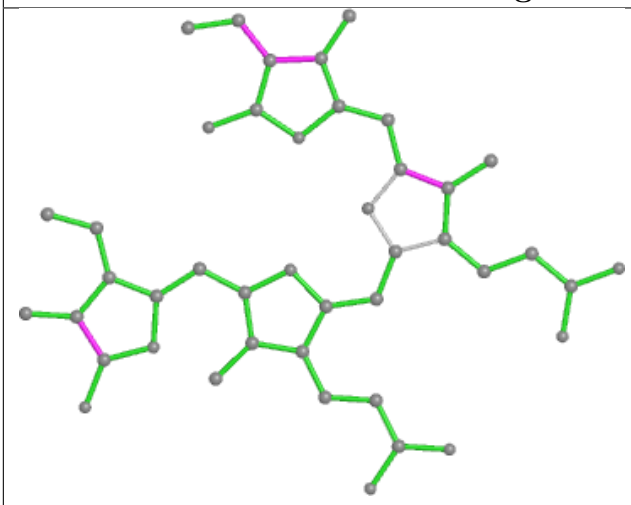


Rings

Ligand PEB K7 202



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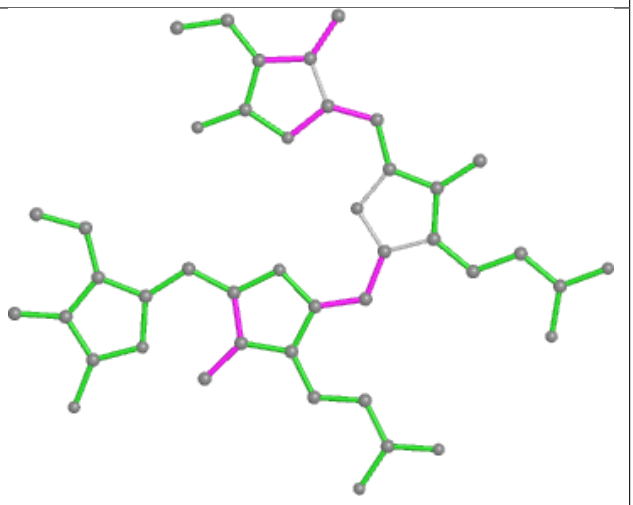

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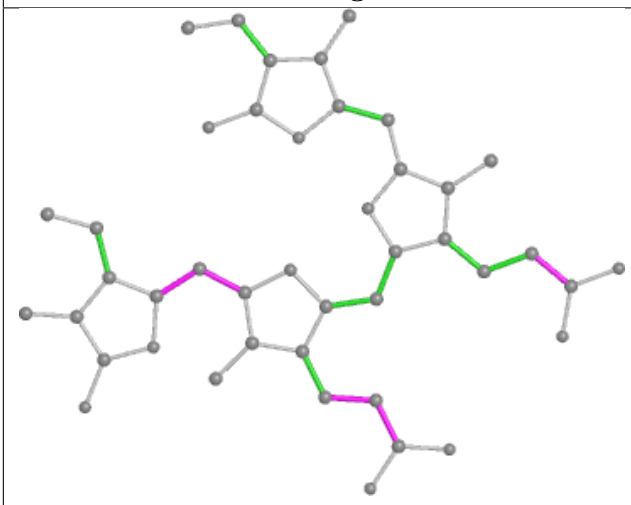
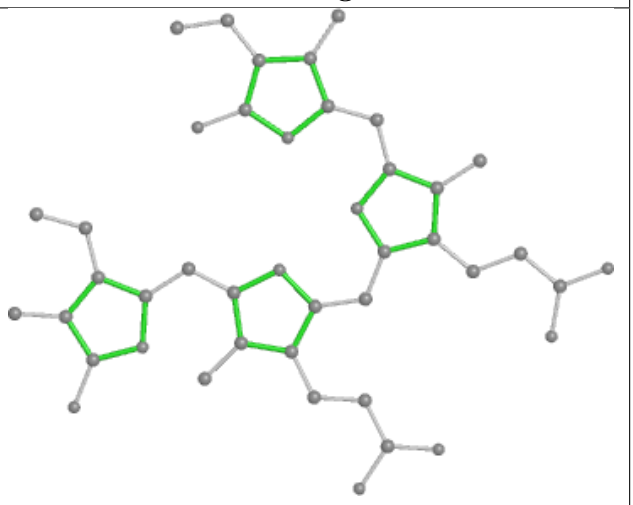
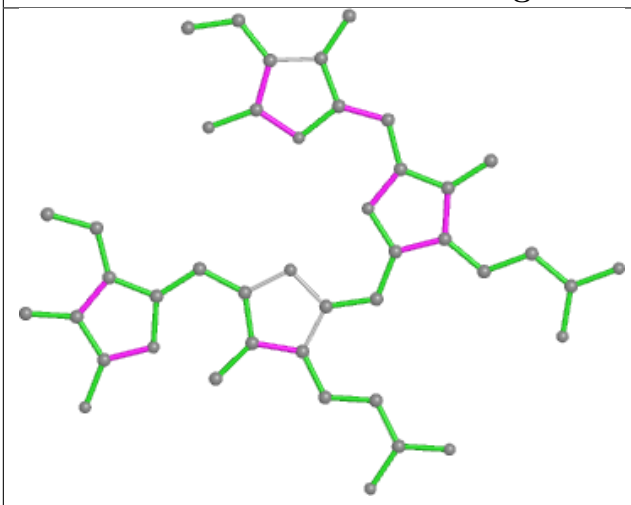


Torsions



Rings

Ligand PUB O8 203



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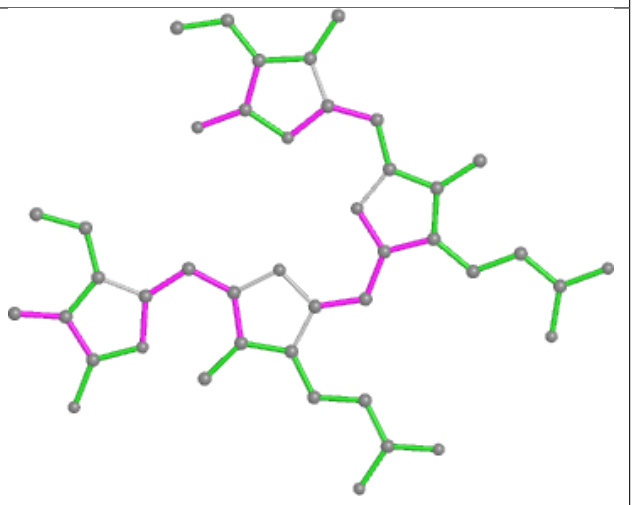

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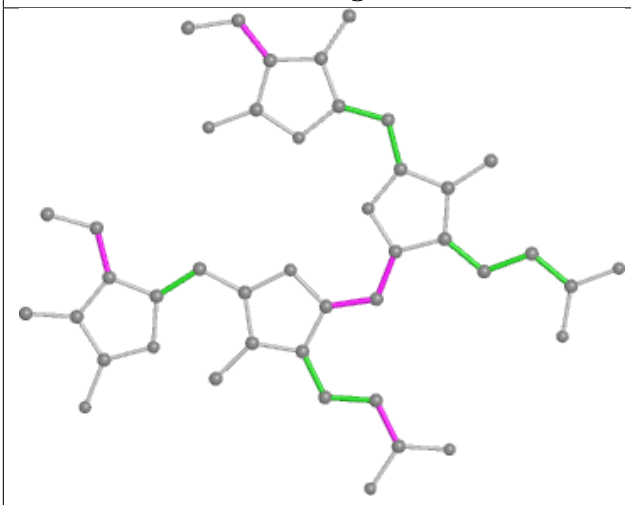

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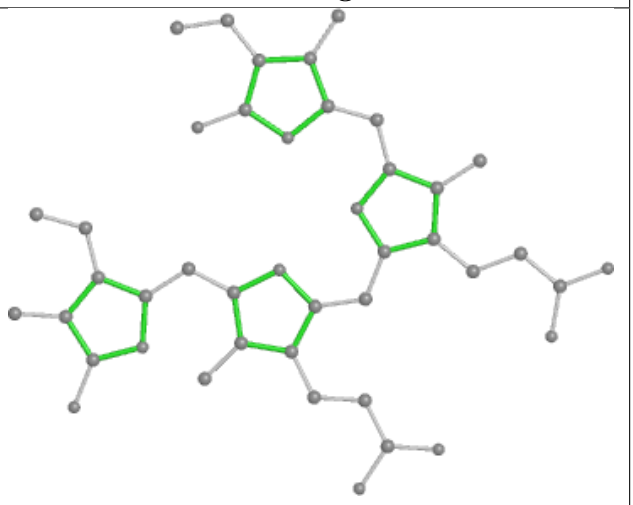
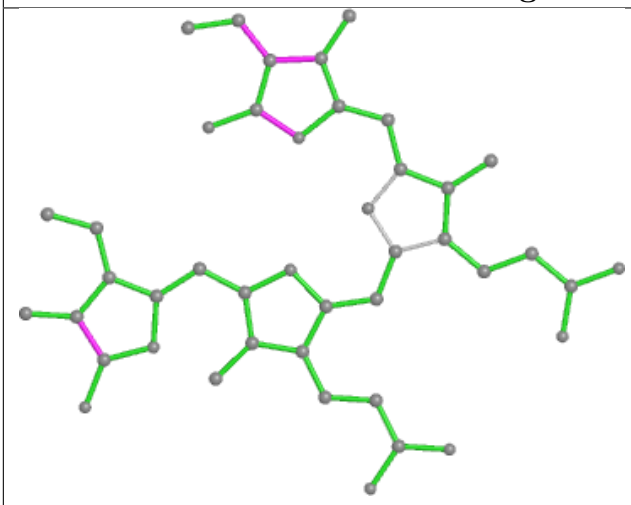


Rings

Ligand PEB k2 201



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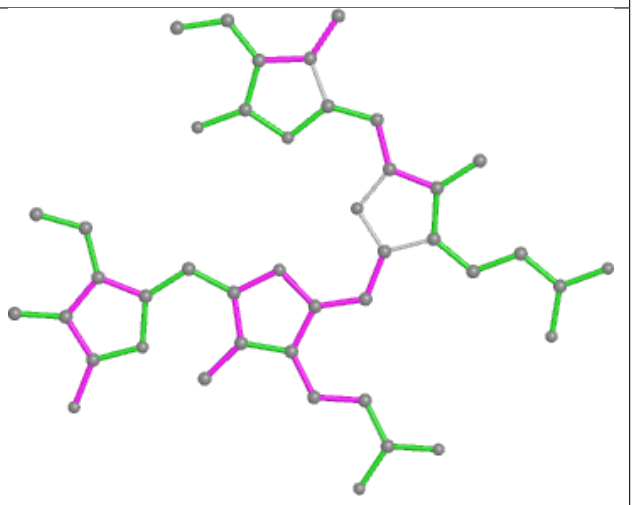

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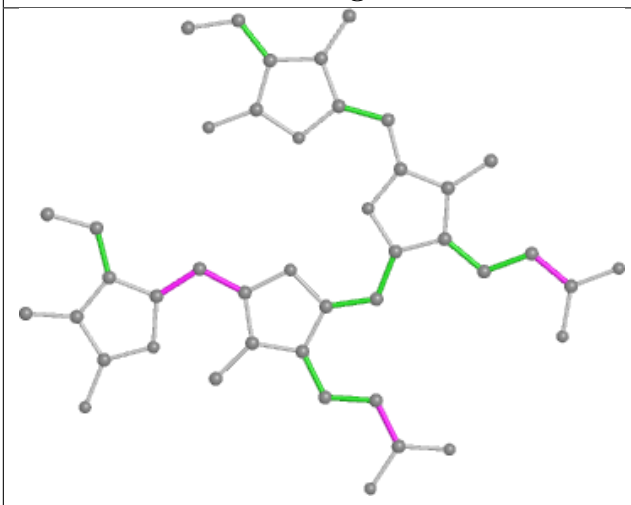

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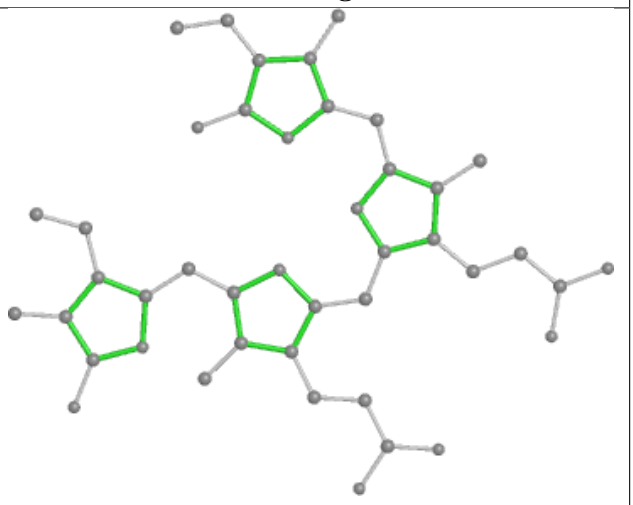
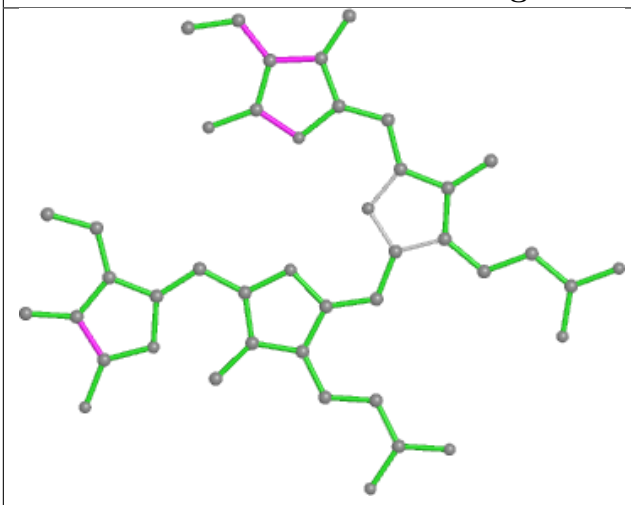


Rings

Ligand PEB da 1001



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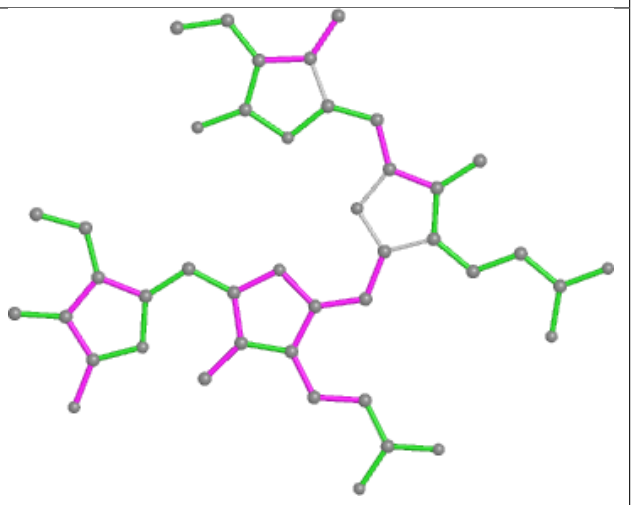

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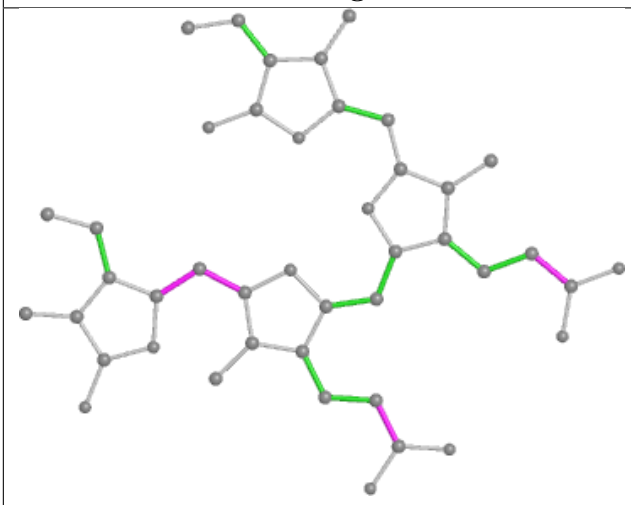

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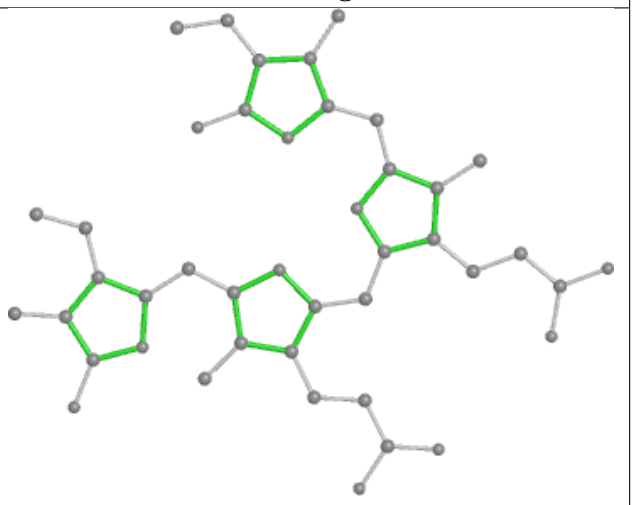

Rings

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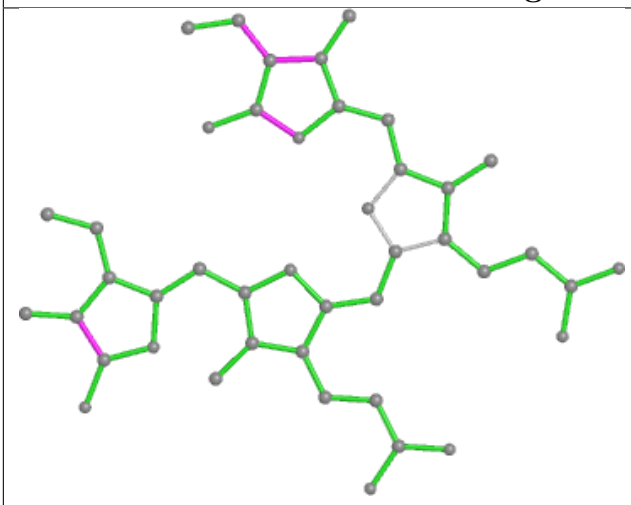

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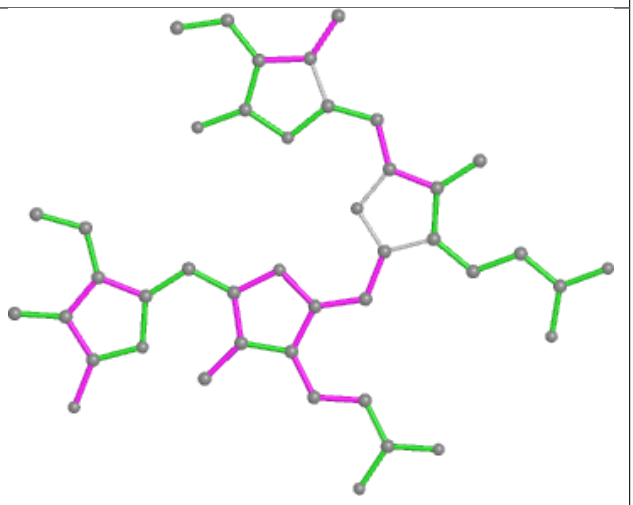

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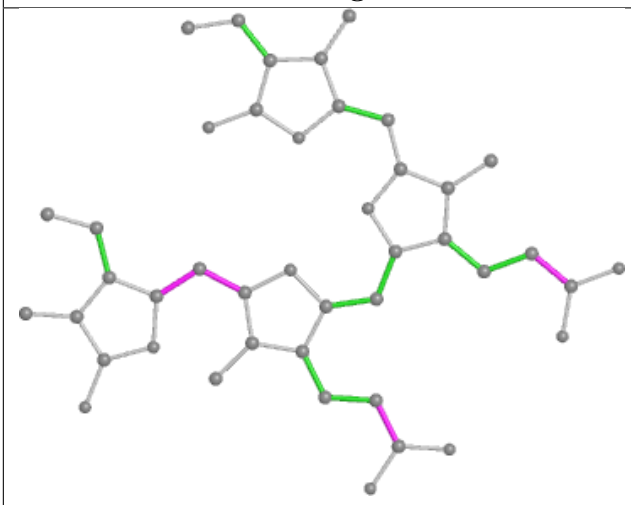

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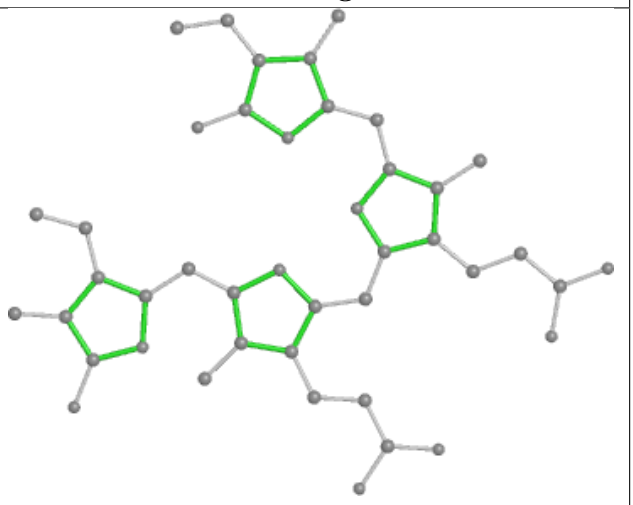

Rings

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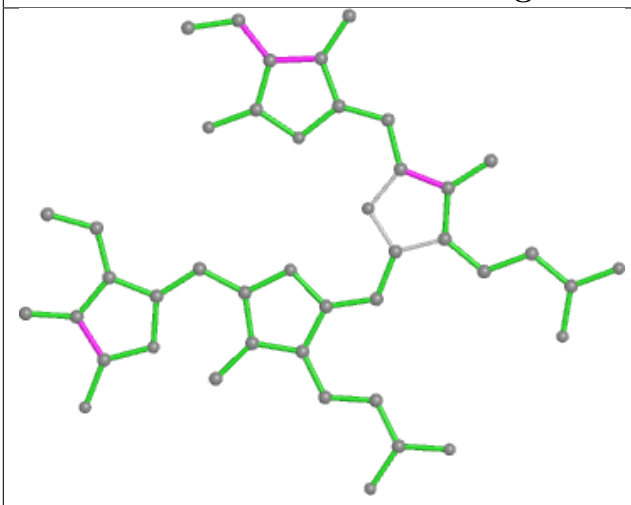

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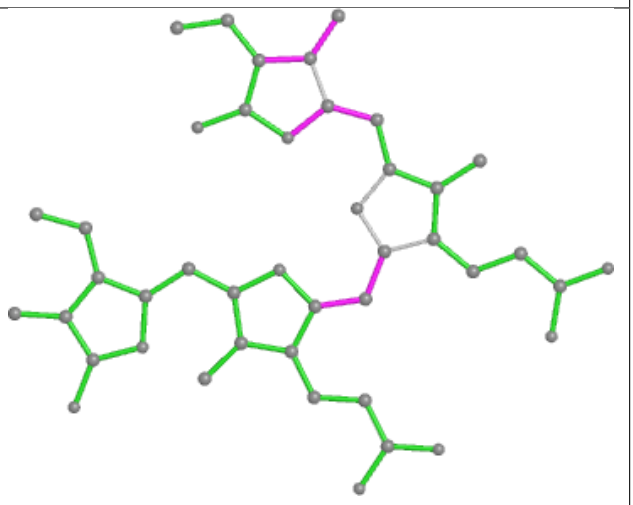

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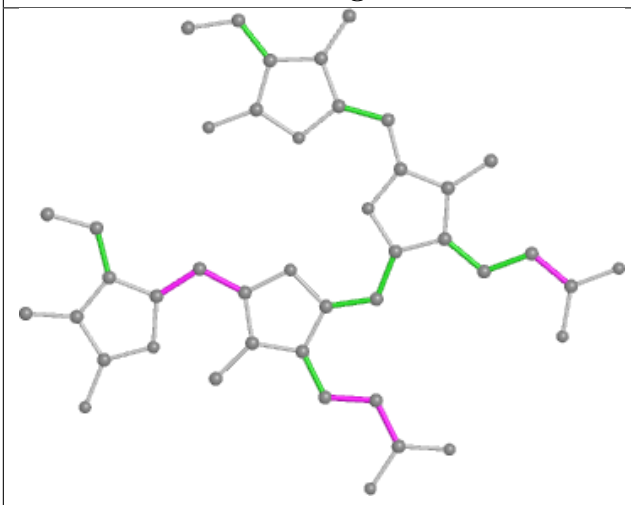

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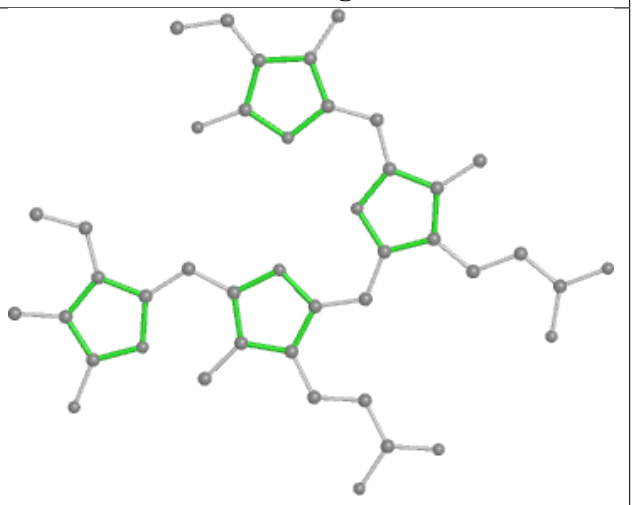

Rings

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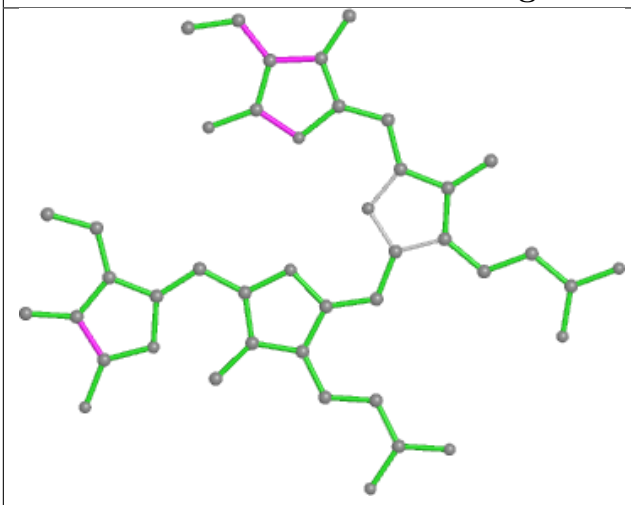

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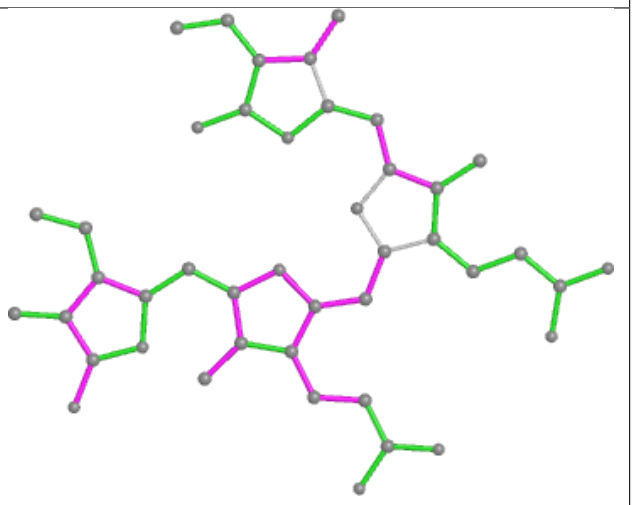

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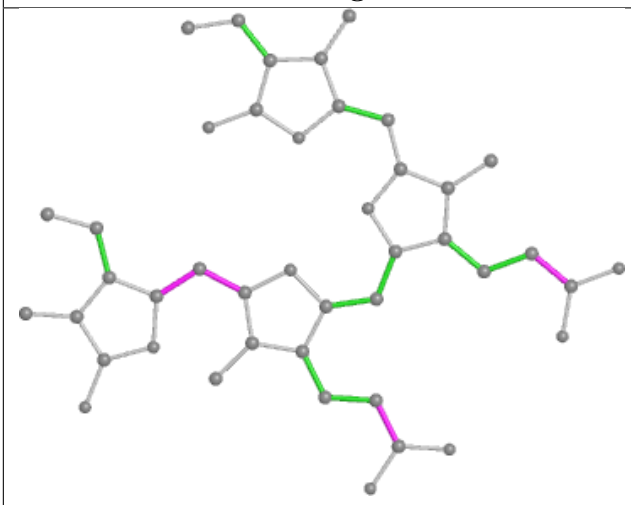

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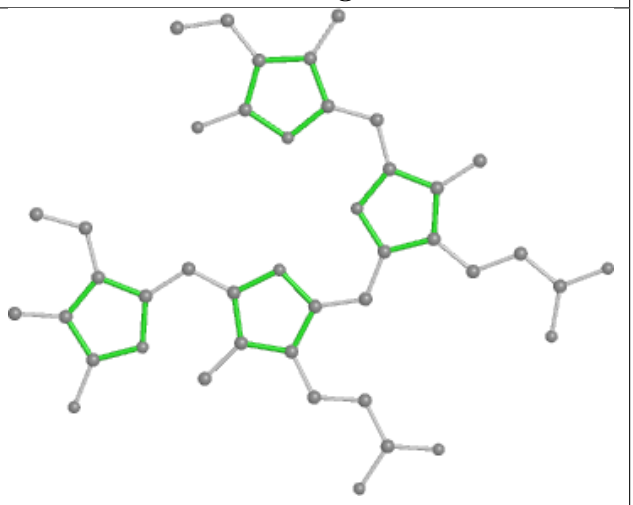

Rings

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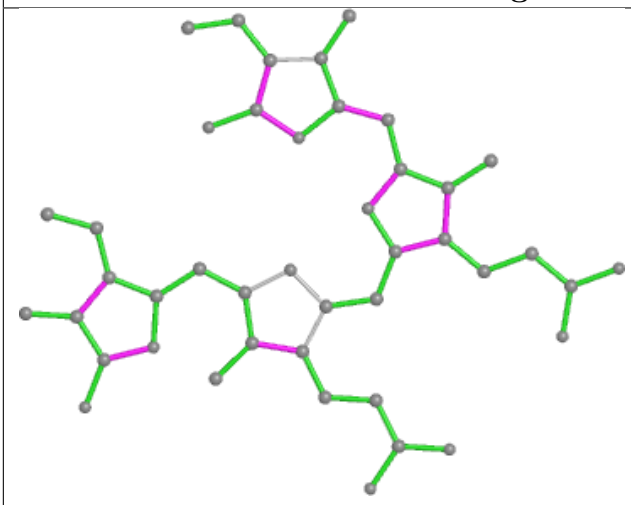

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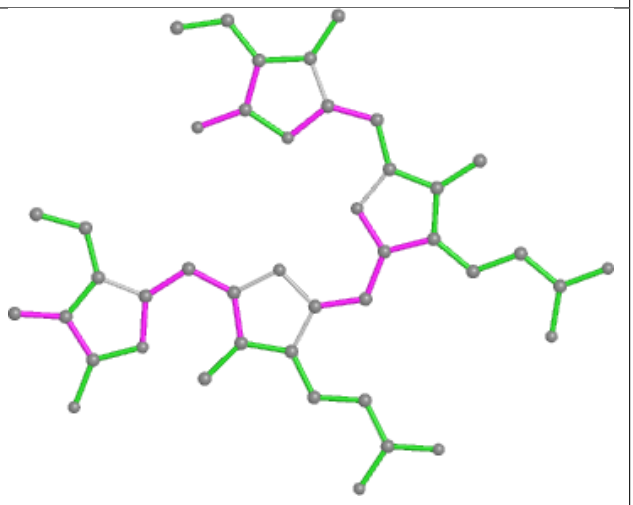

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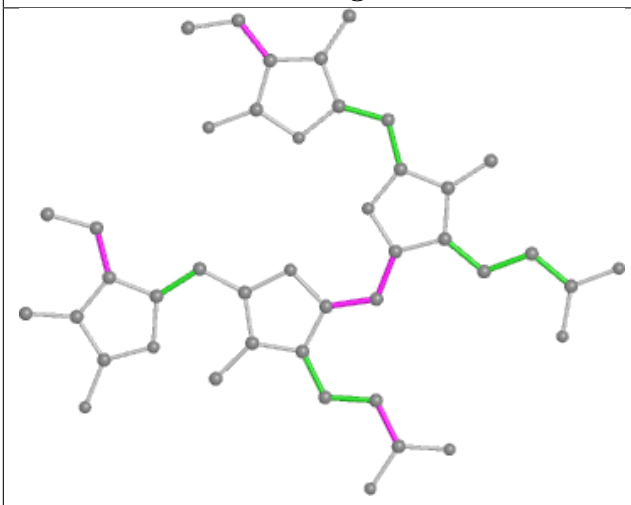

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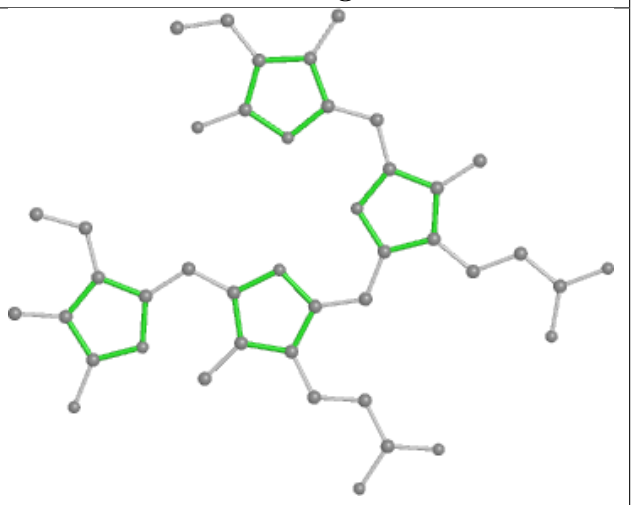

Rings

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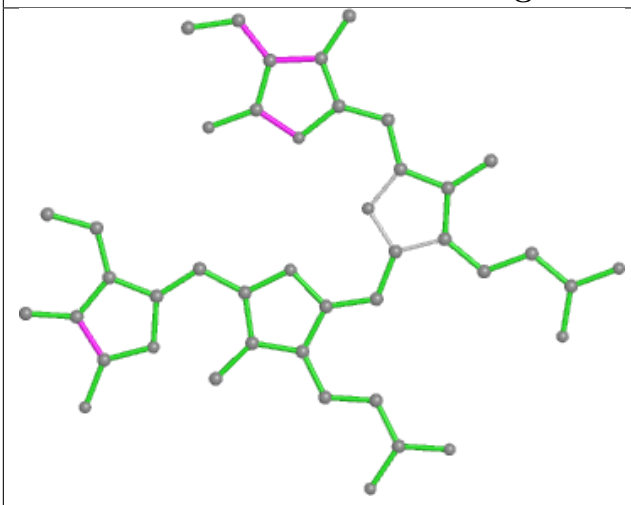

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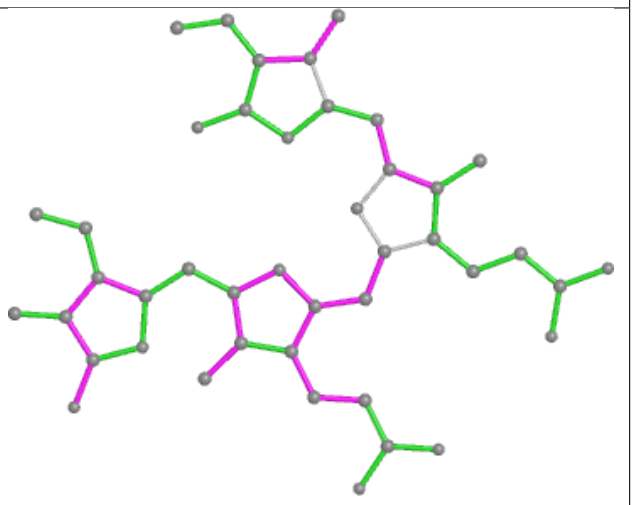

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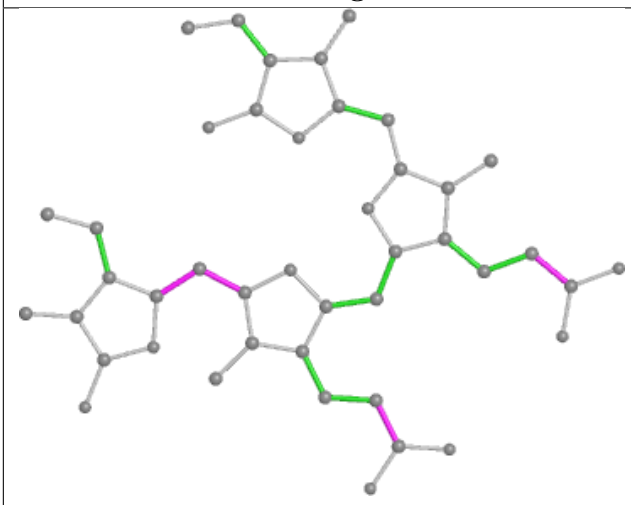

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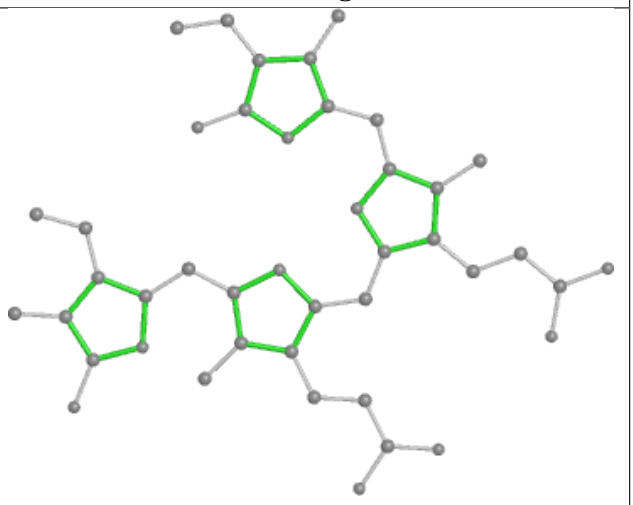

Rings

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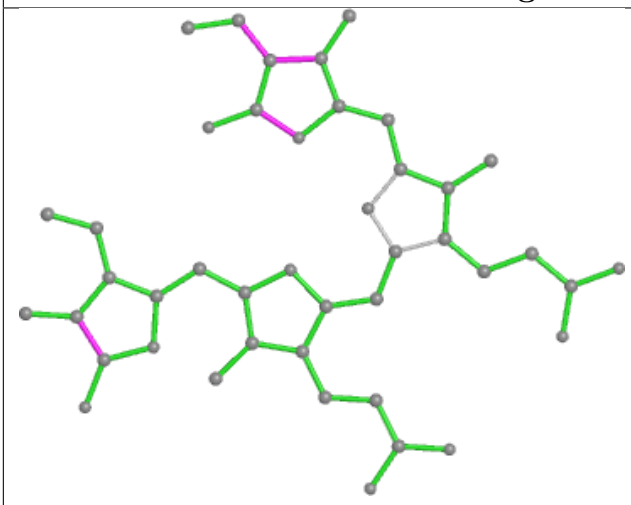

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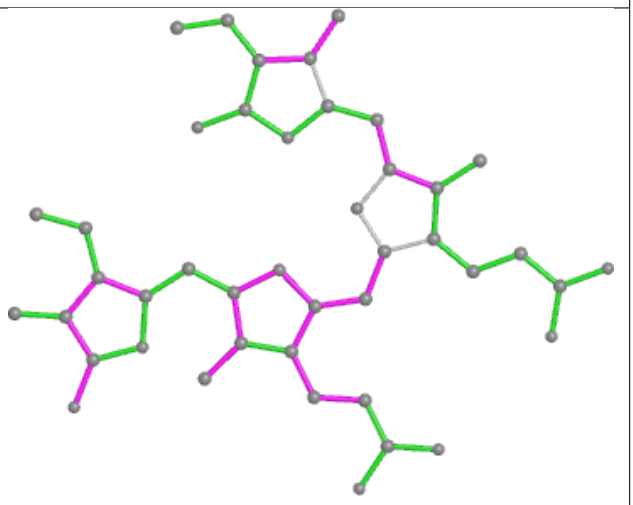

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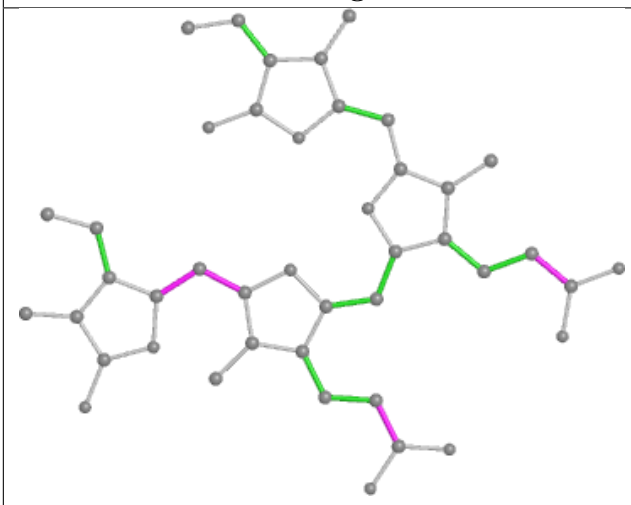

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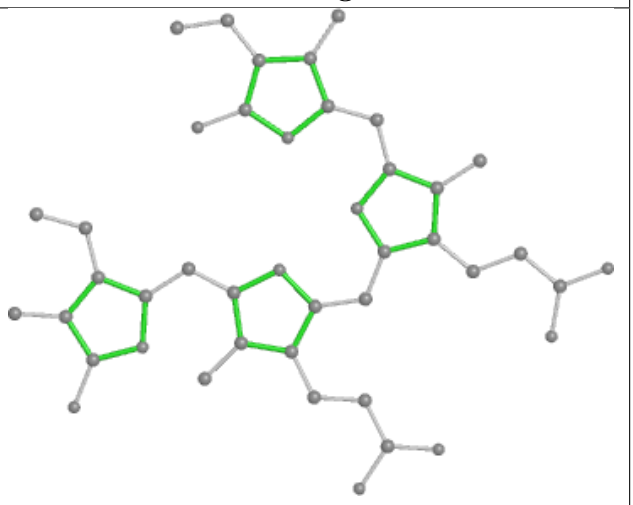
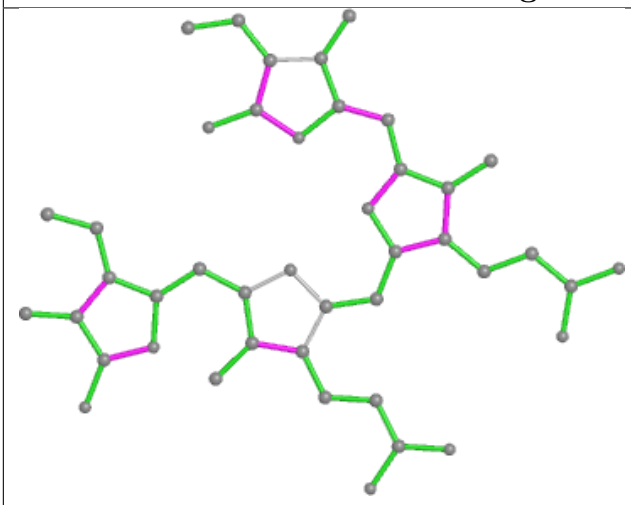


Rings

Ligand PUB t7 203



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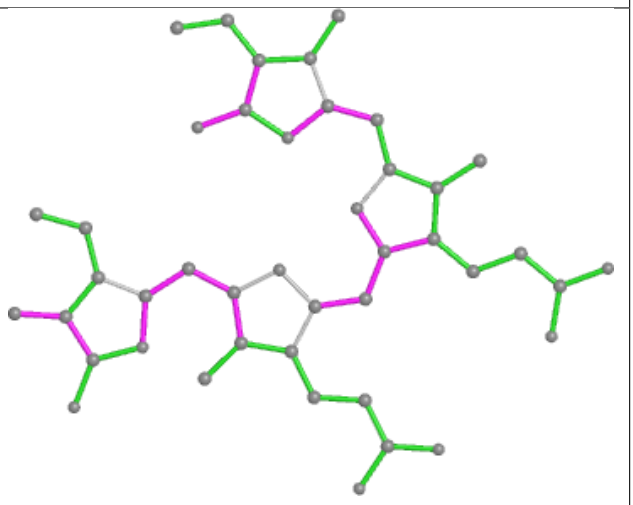

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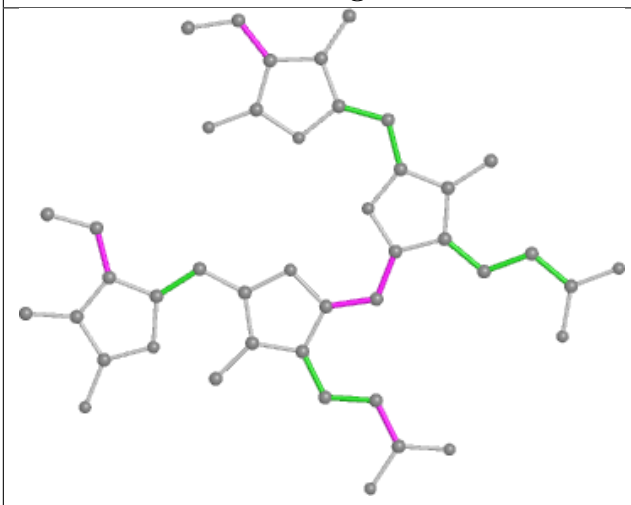

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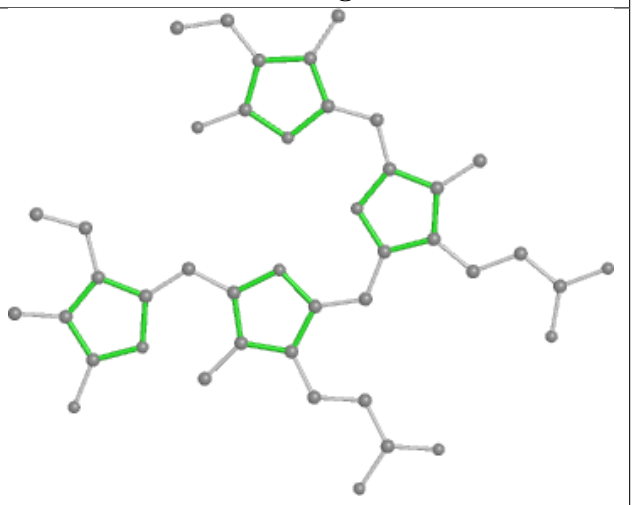
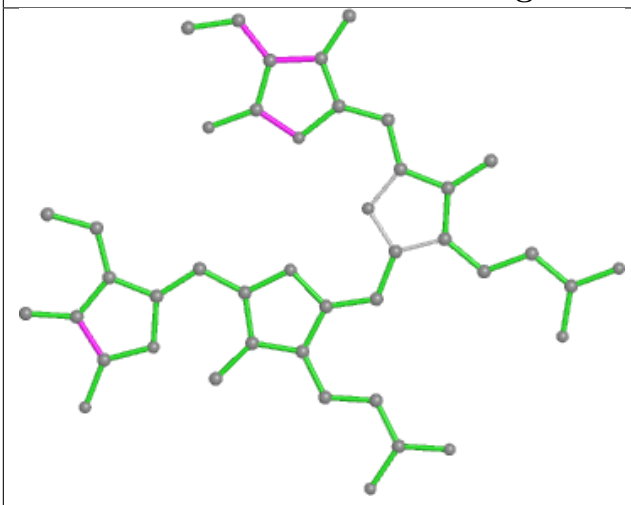


Rings

Ligand PEB w8 201



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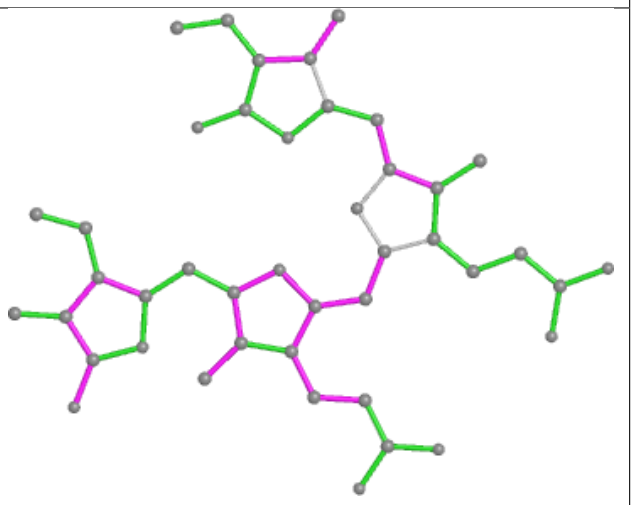

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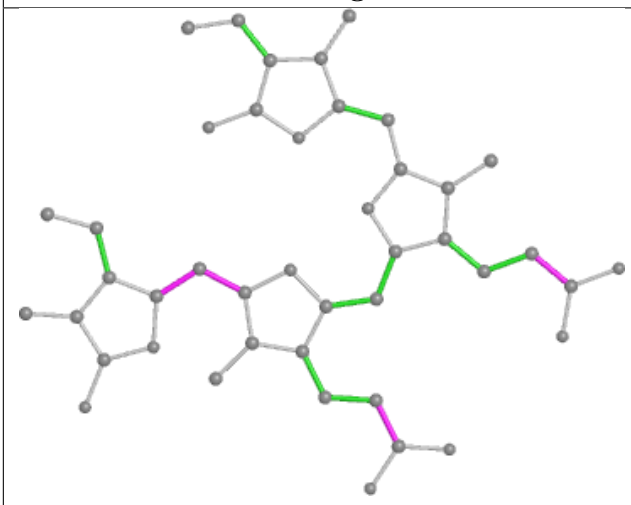

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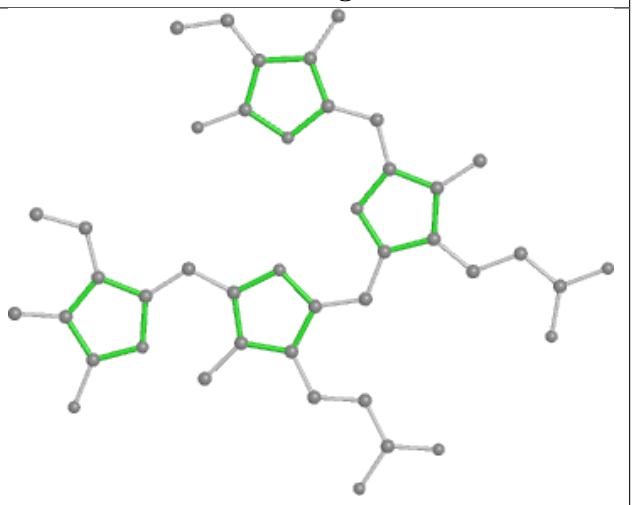
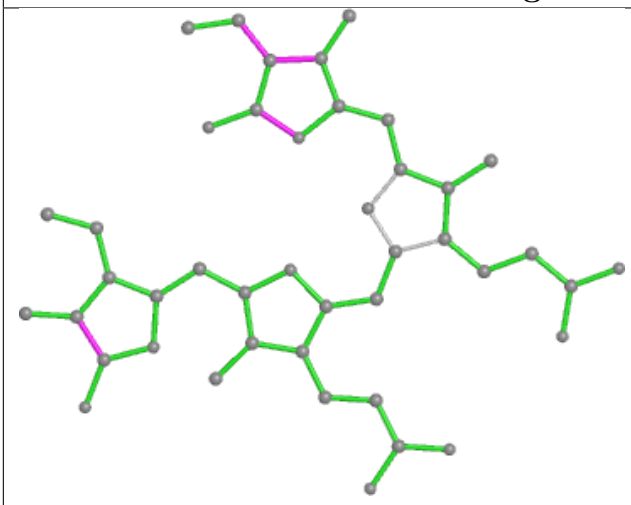


Rings

Ligand PEB f9 202



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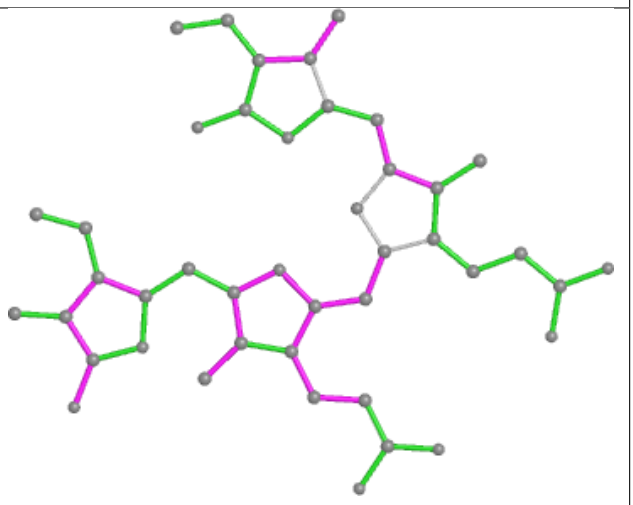

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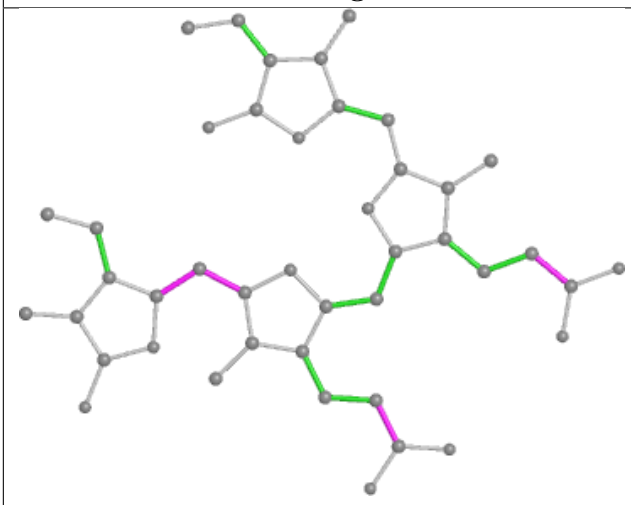

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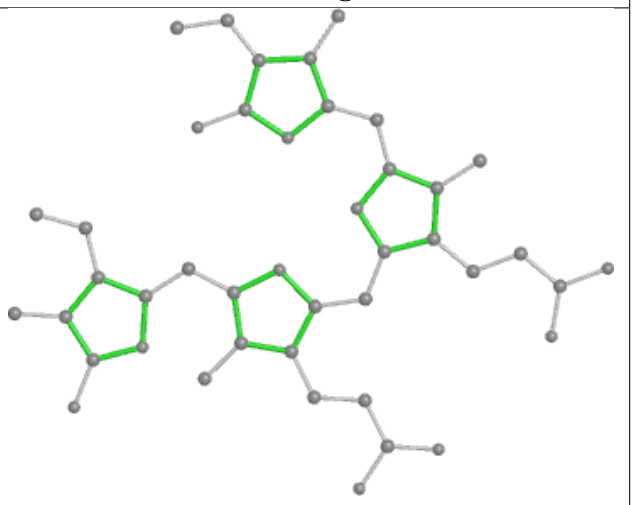
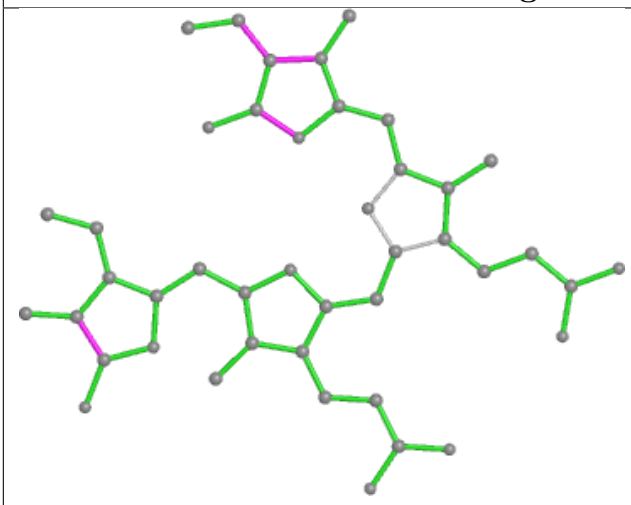


Rings

Ligand PEB g9 201



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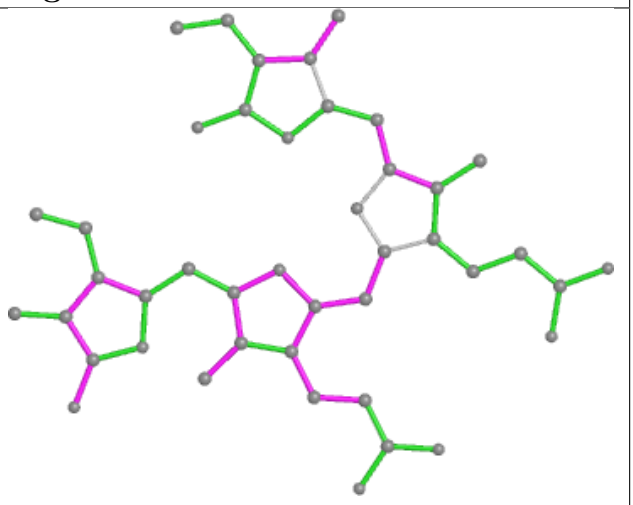
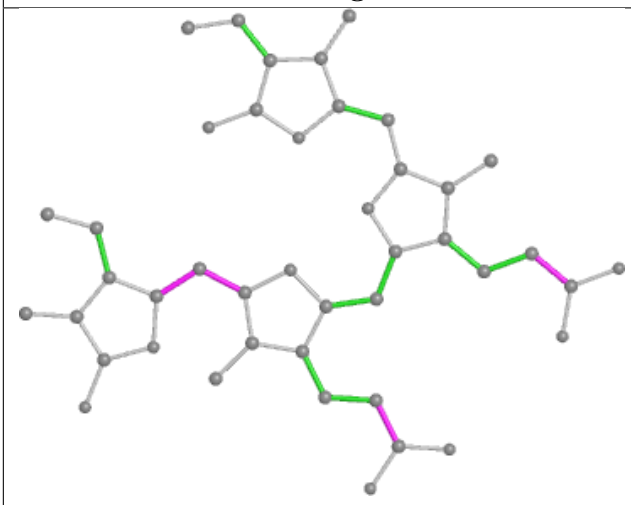
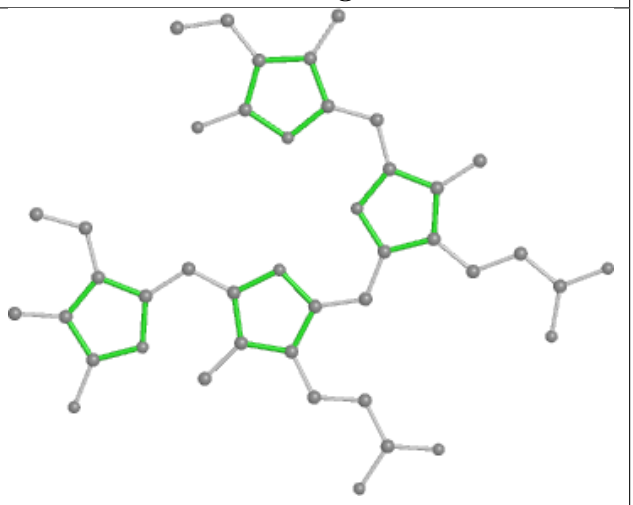


Bond angles

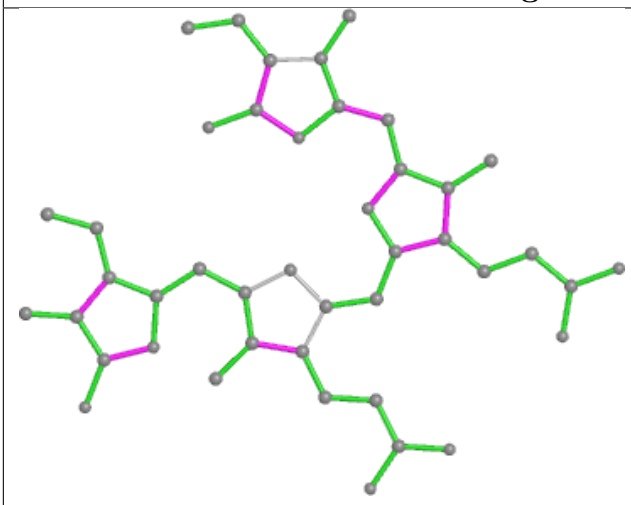


Torsions



Rings

Ligand PUB ly 405



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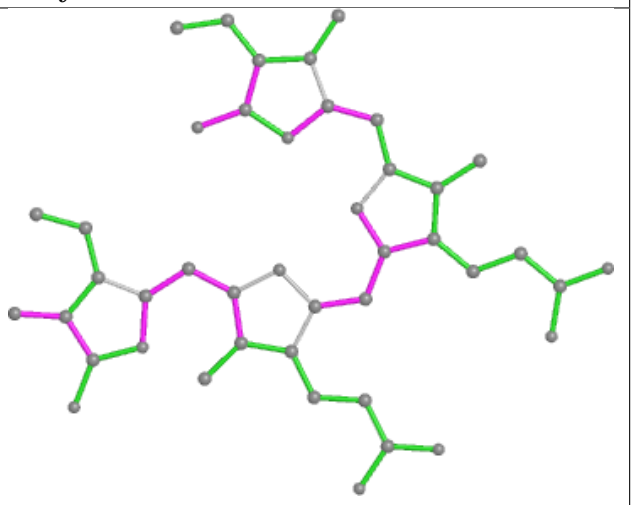

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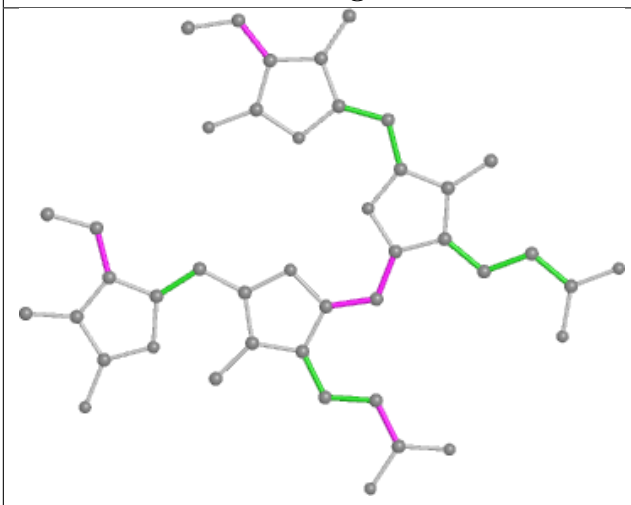

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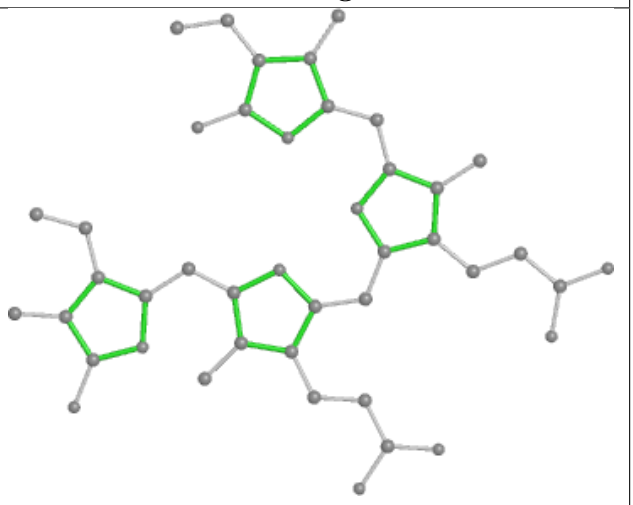
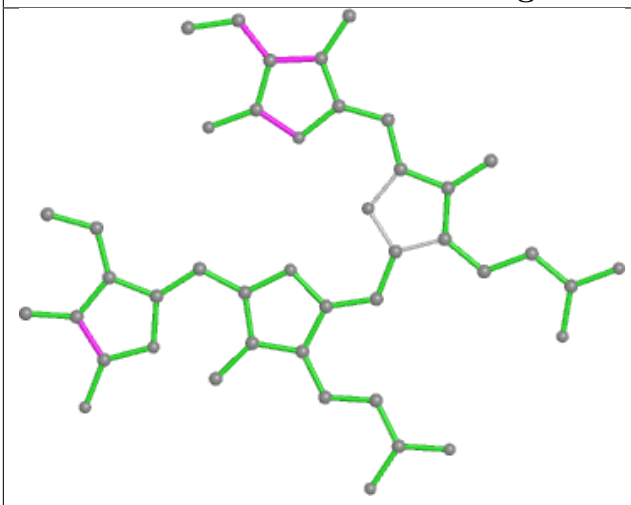


Rings

Ligand PEB F4 202



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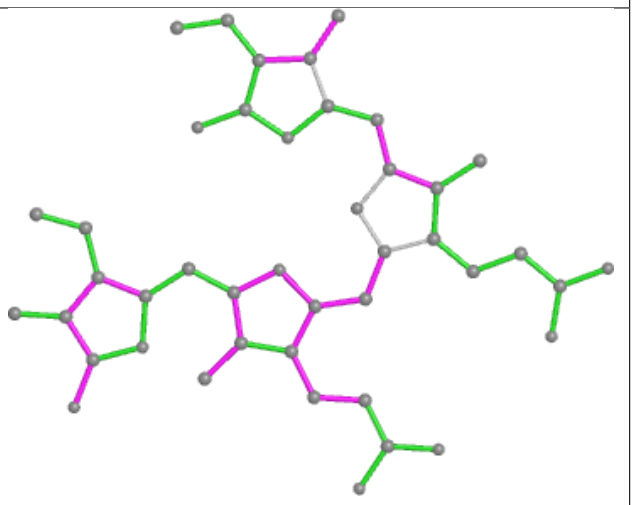

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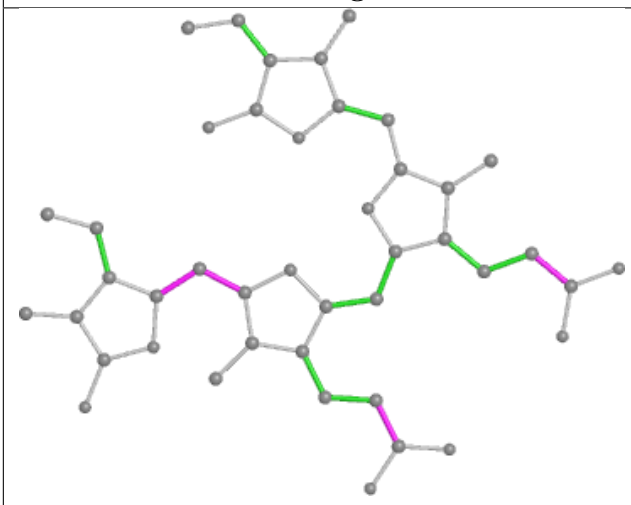

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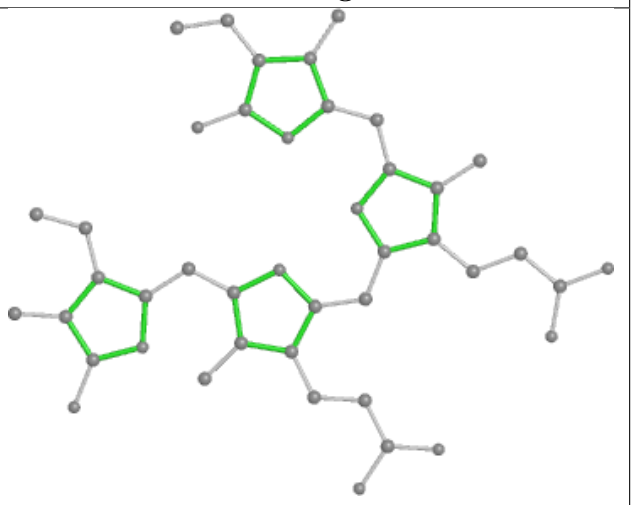
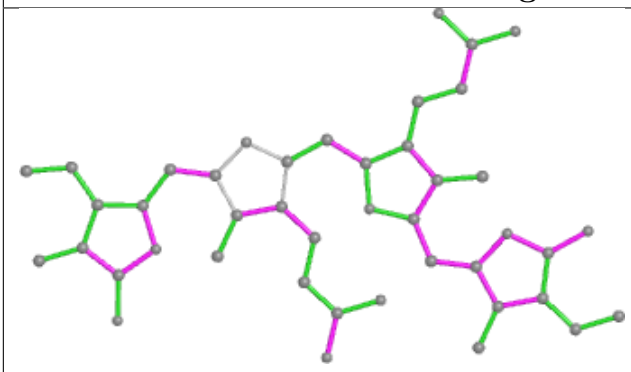


Rings

Ligand CYC t1 201



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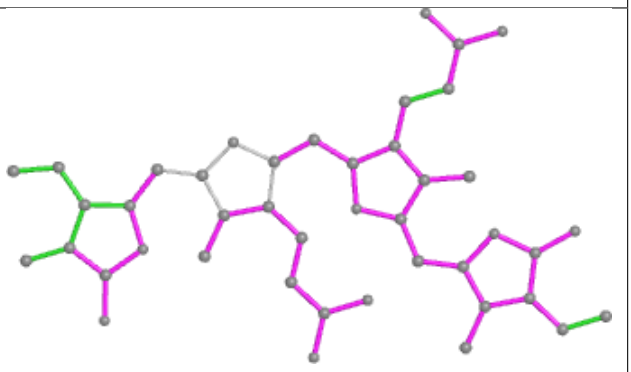

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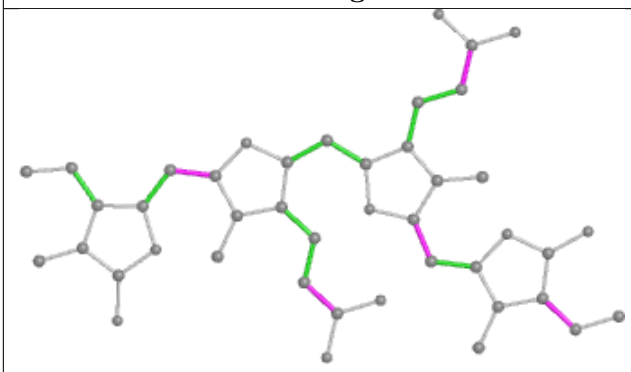

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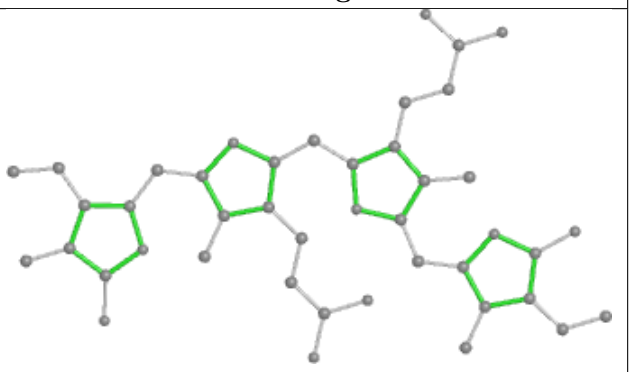
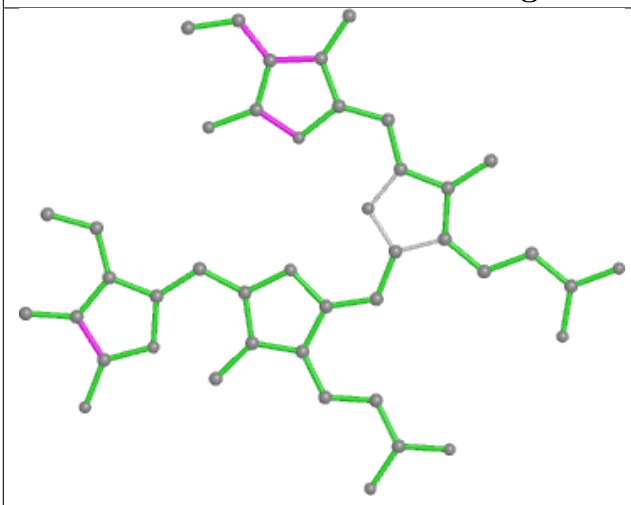


Rings

Ligand PEB c4 202



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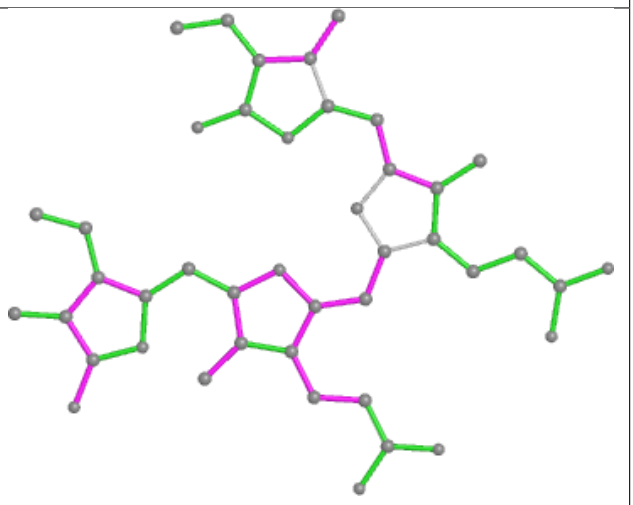

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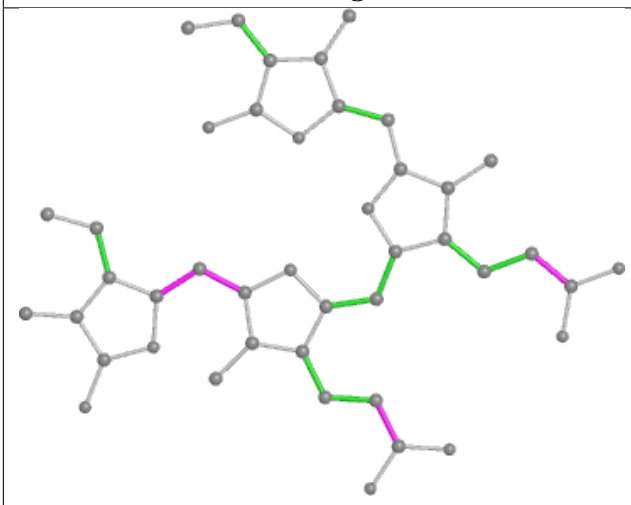

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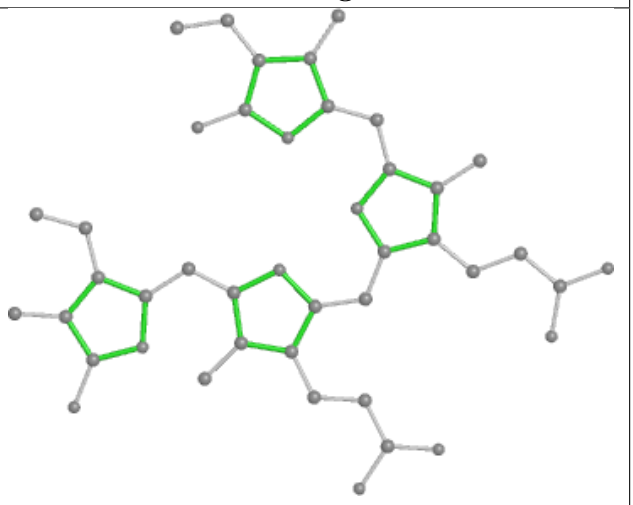
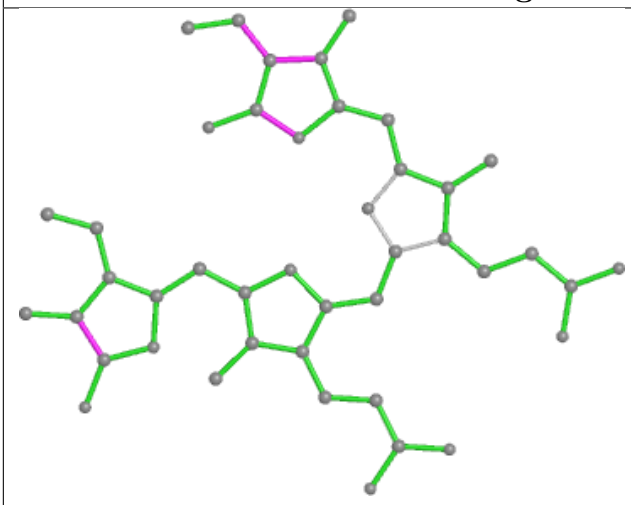


Rings

Ligand PEB R5 201



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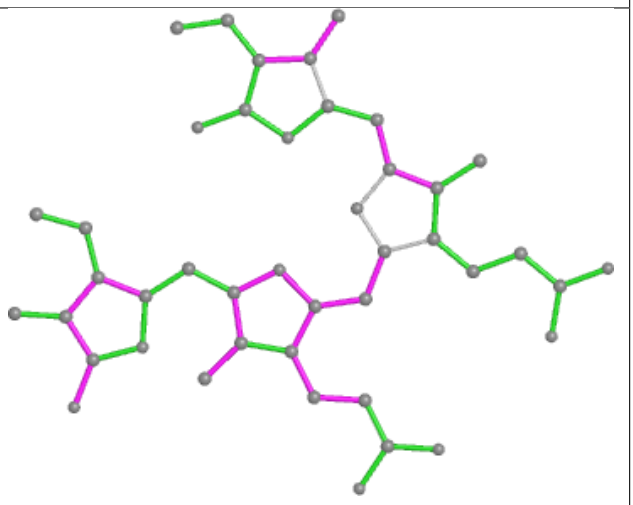

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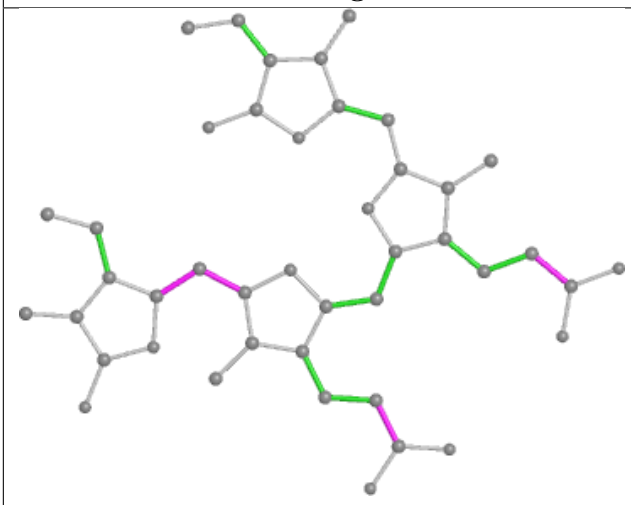

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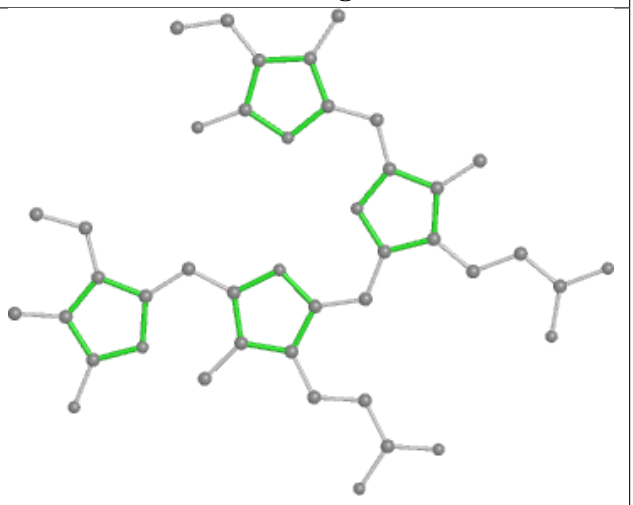
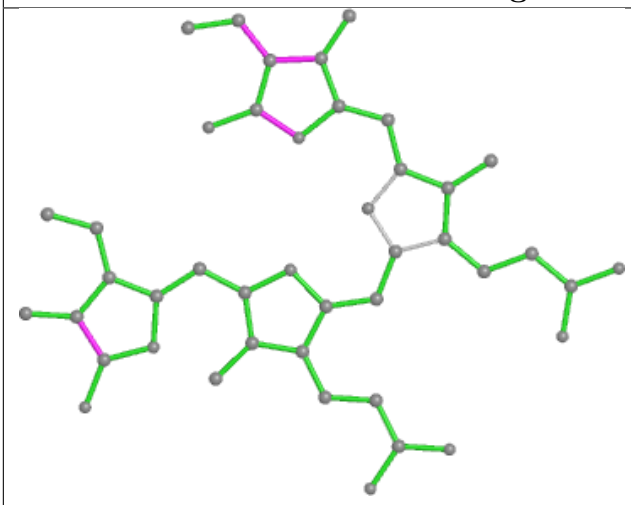


Rings

Ligand PEB iH 1001



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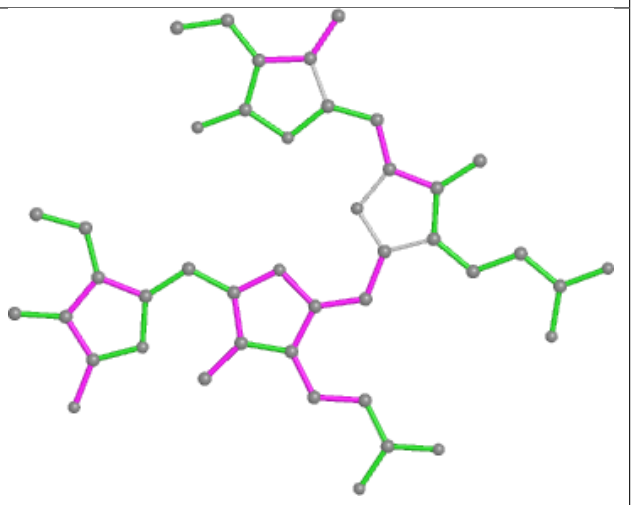

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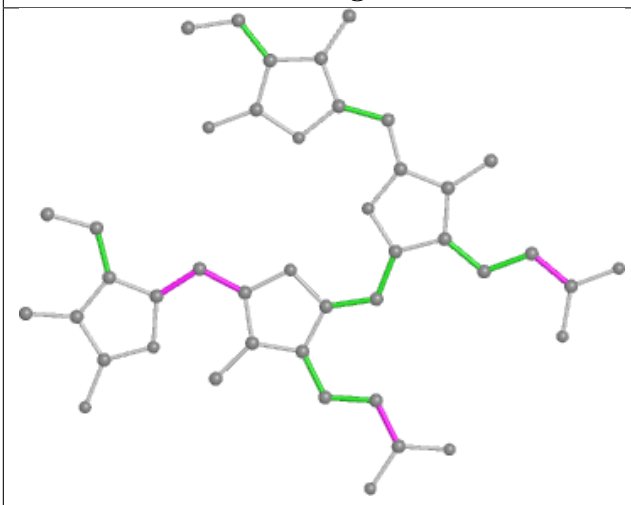

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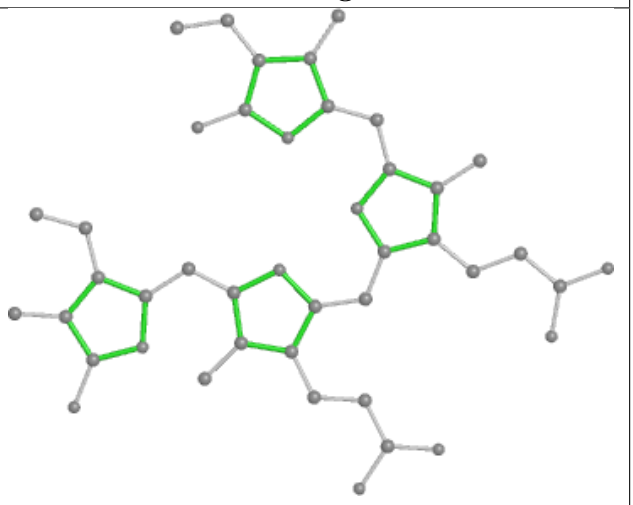
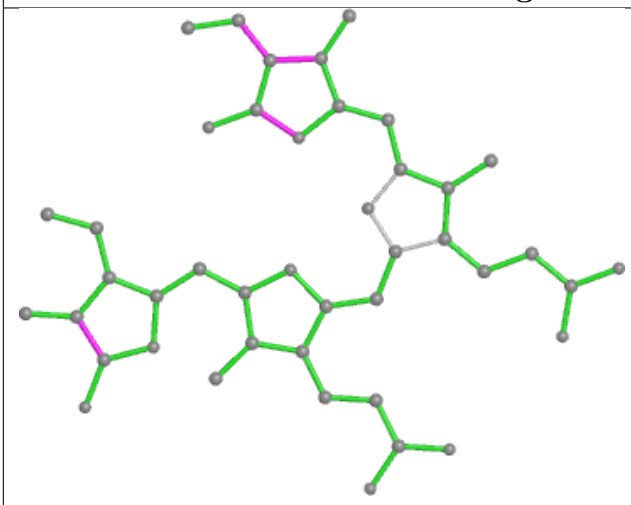


Rings

Ligand PEB w2 203



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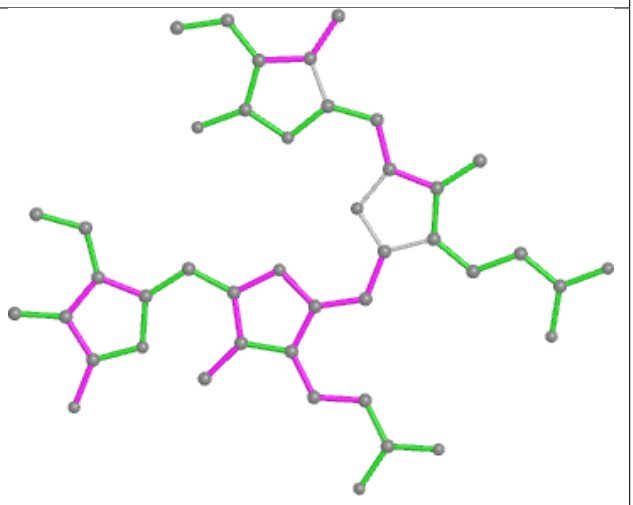

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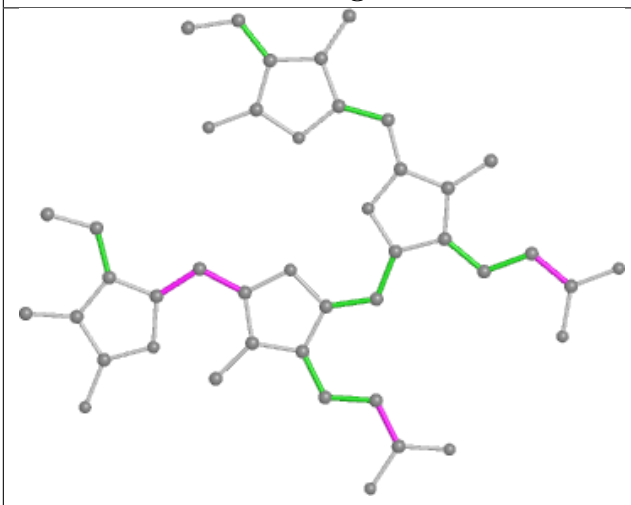

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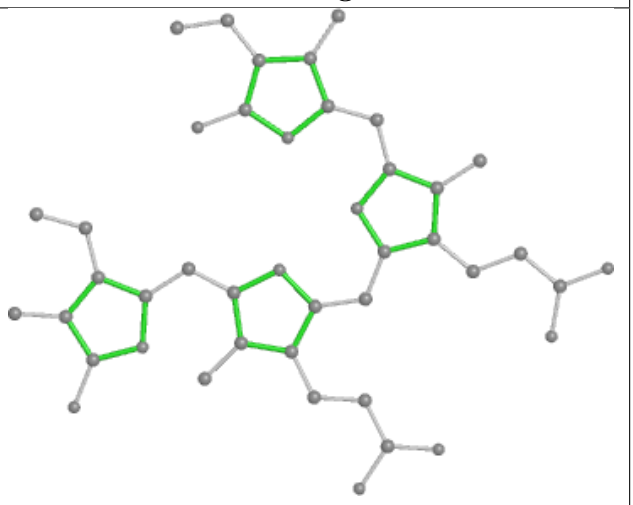
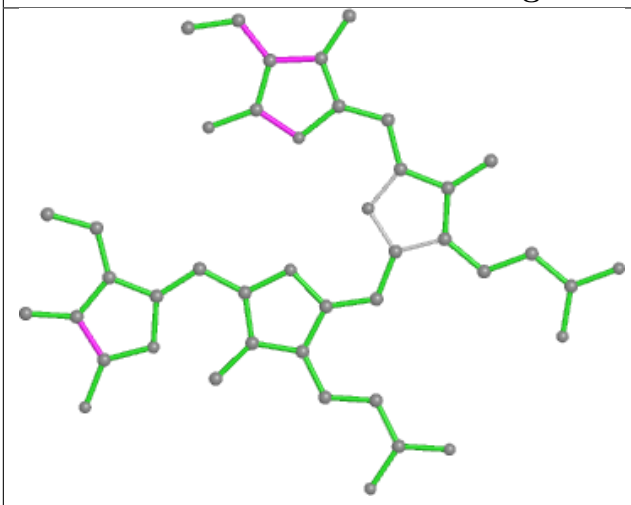


Rings

Ligand PEB fk 201



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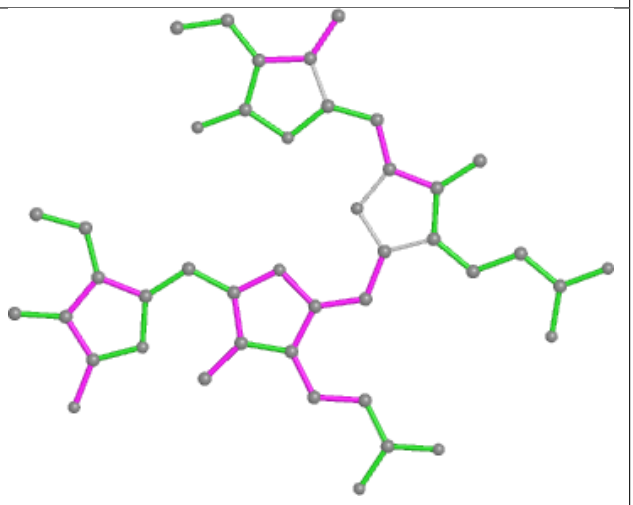
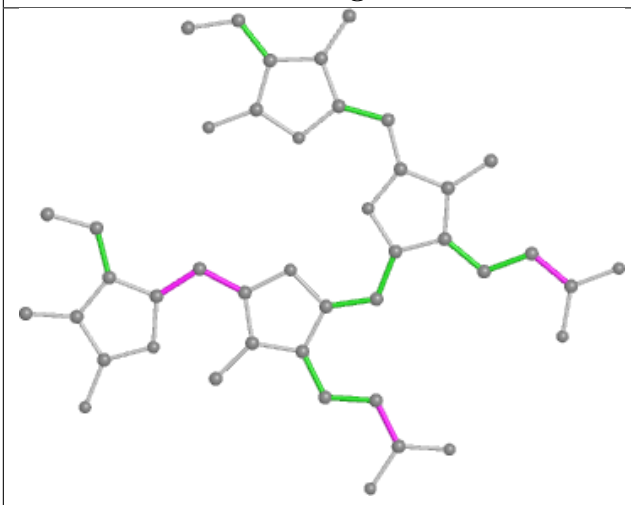


Bond angles



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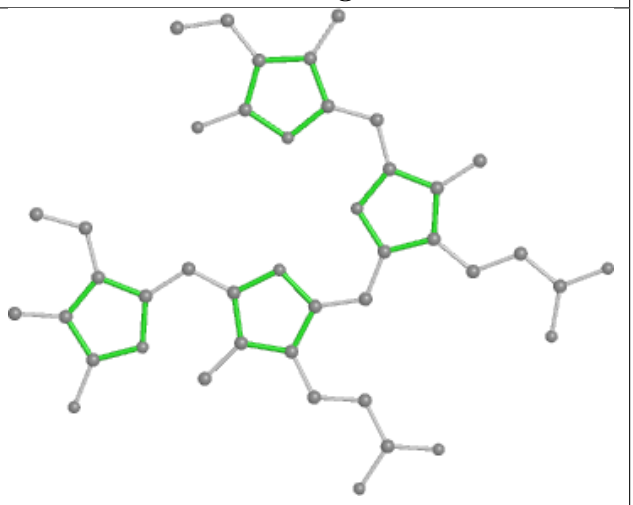
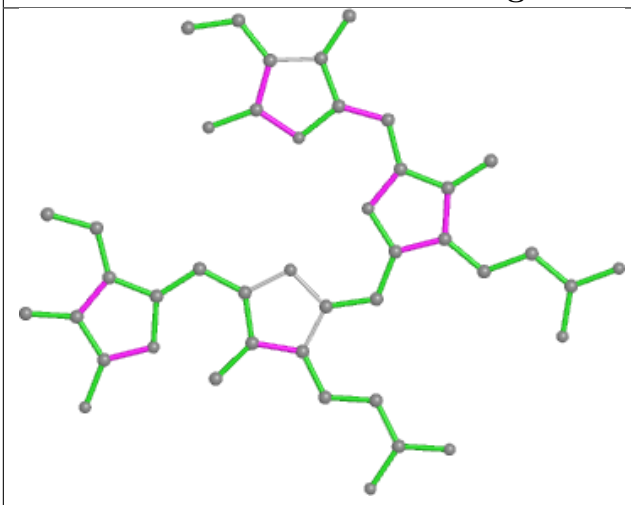


Rings

Ligand PUB jK 1003



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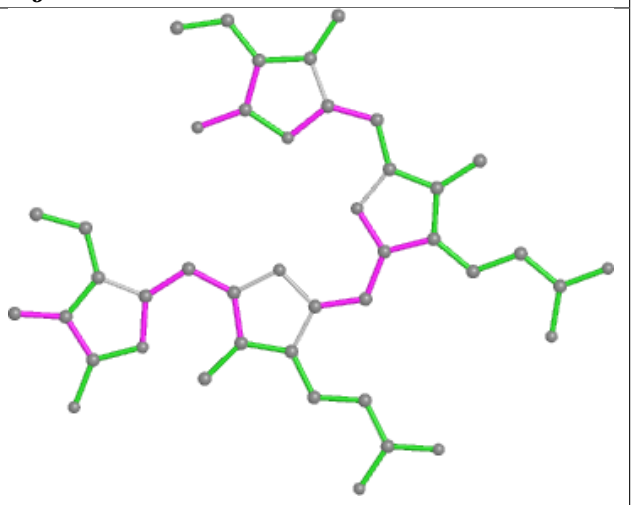

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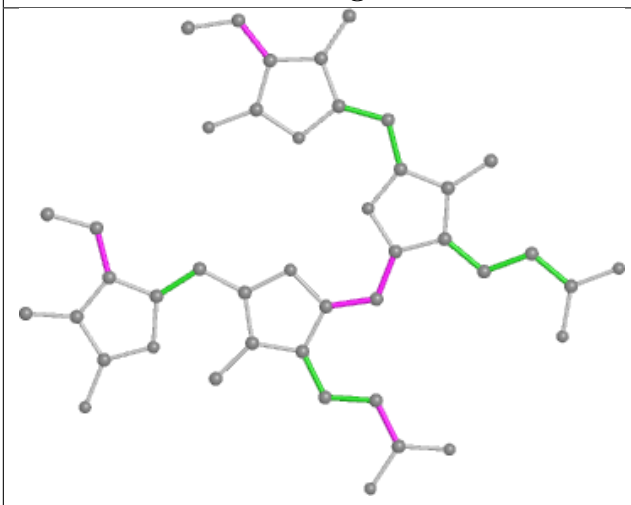

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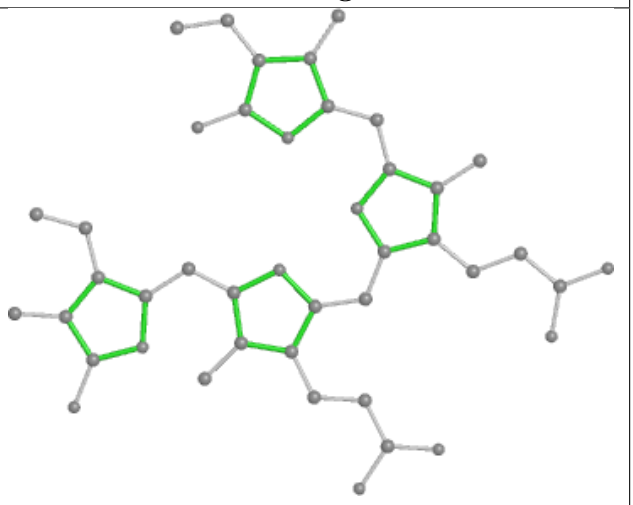
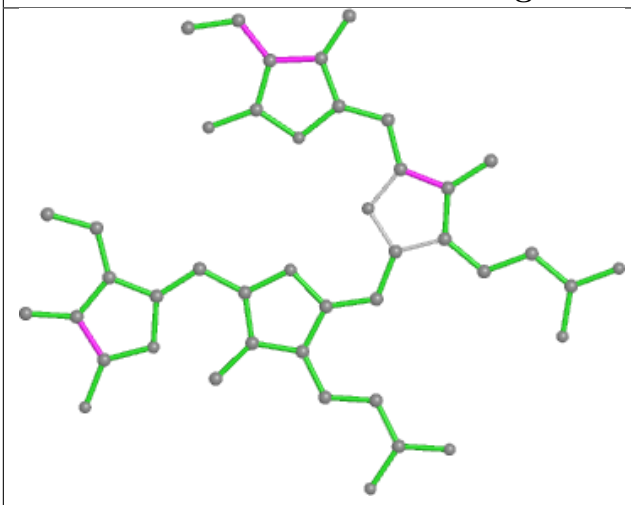


Rings

Ligand PEB U3 202



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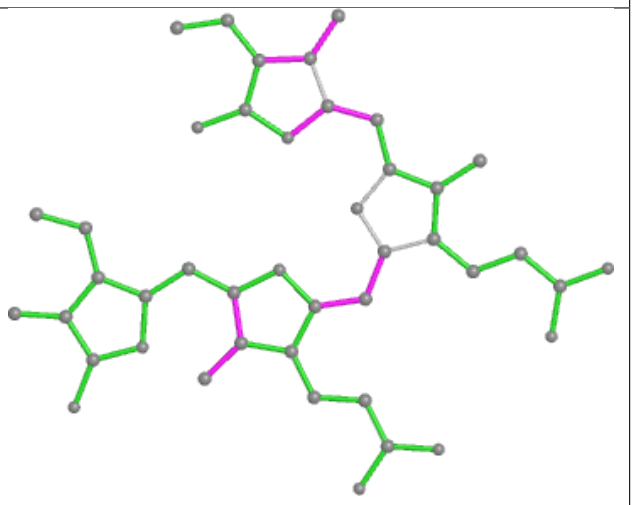

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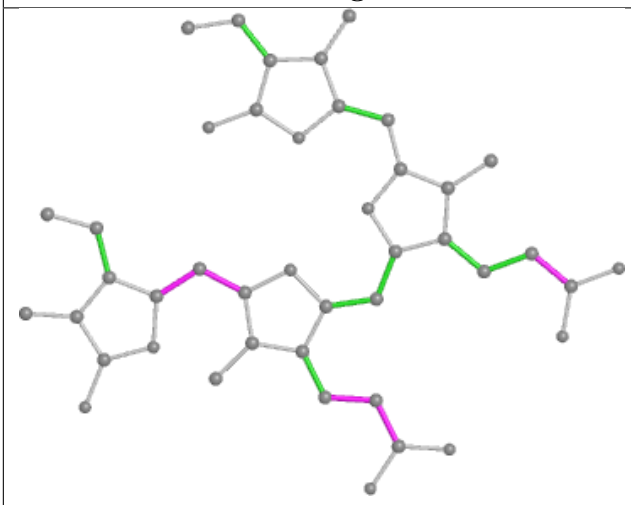

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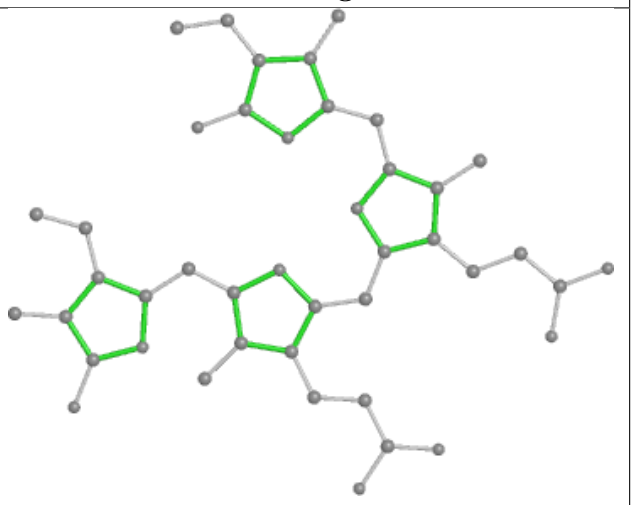

Rings

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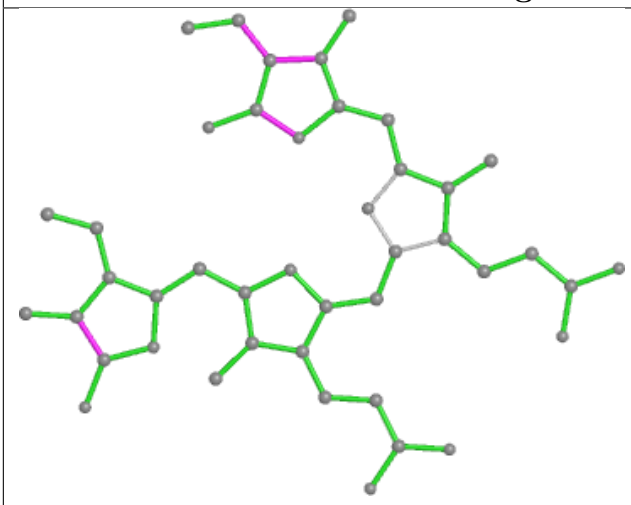

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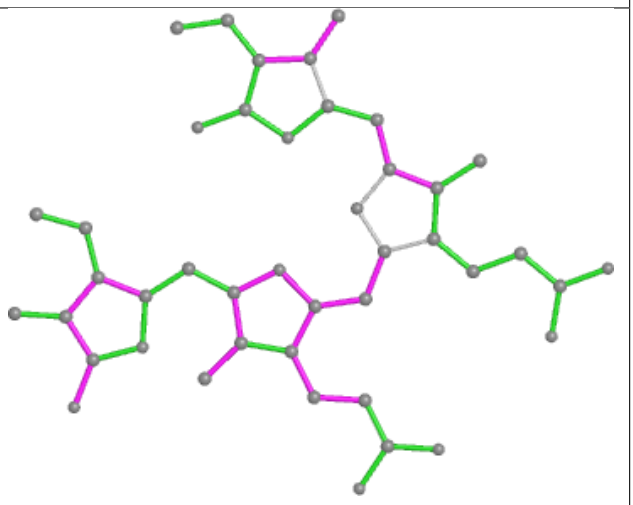

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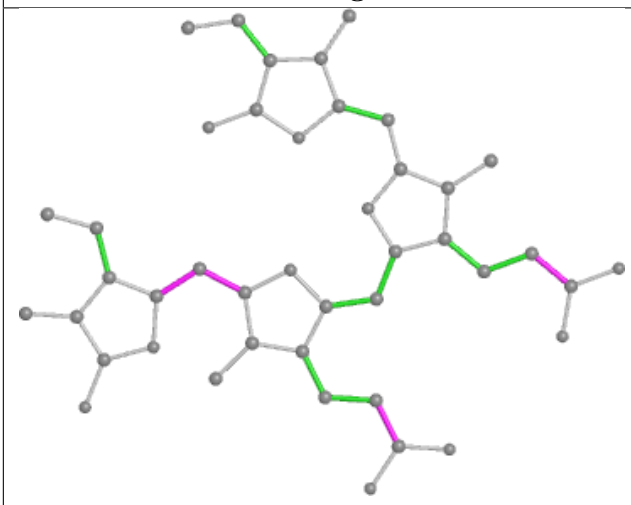

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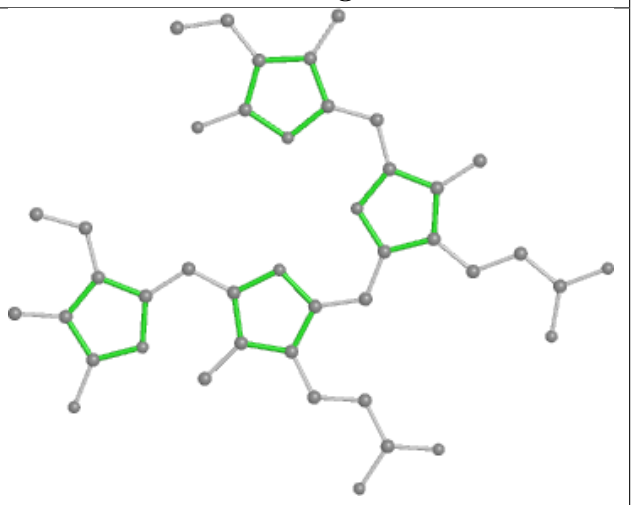
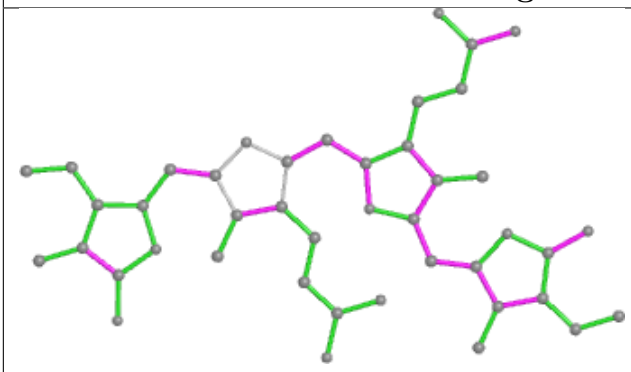


Rings

Ligand CYC y1 201



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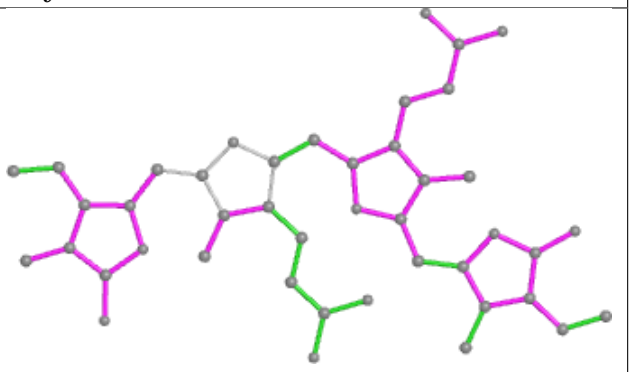

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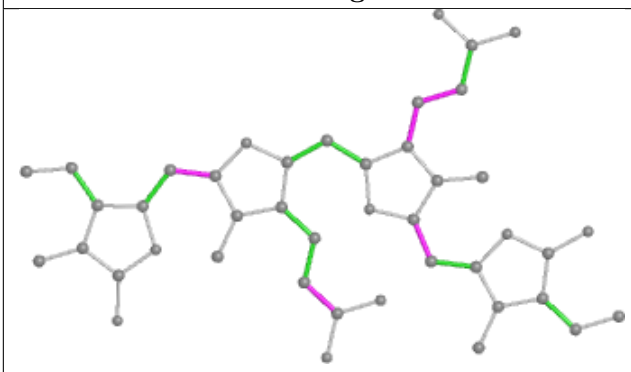

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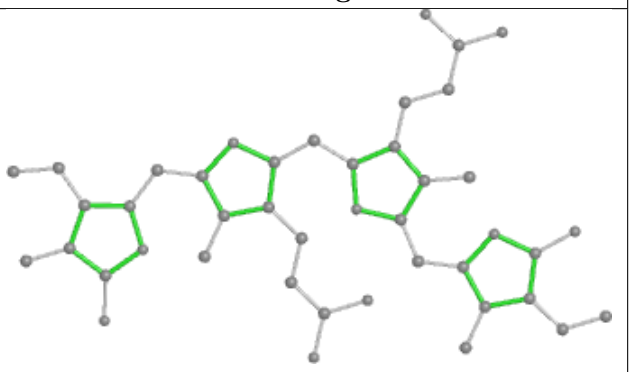
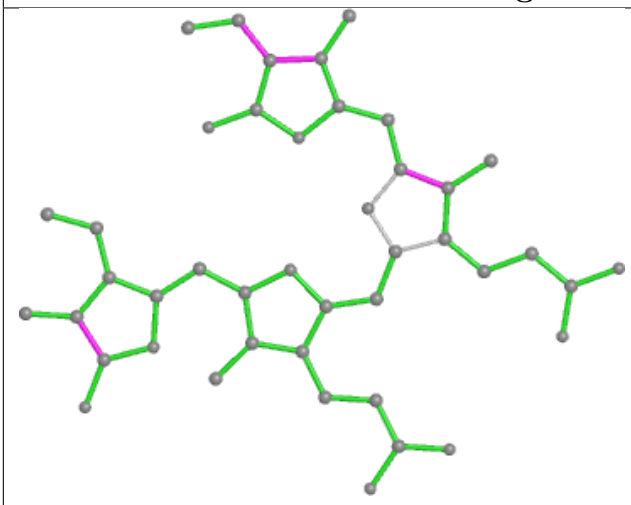


Rings

Ligand PEB bE 202



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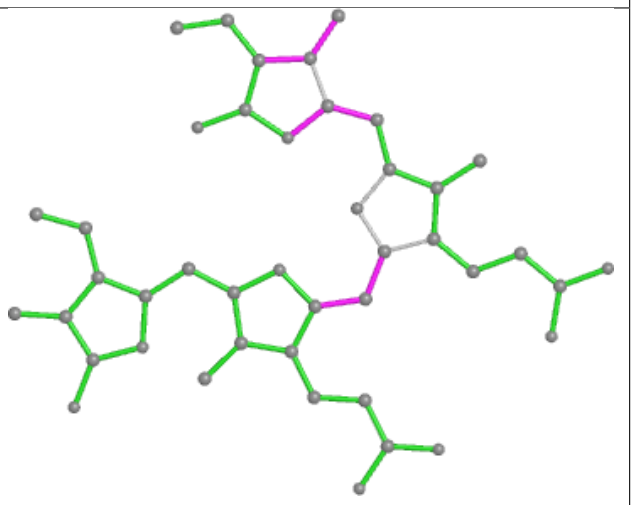

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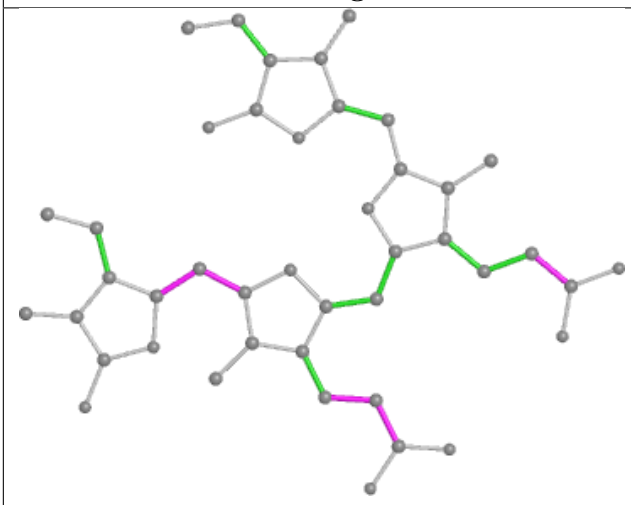
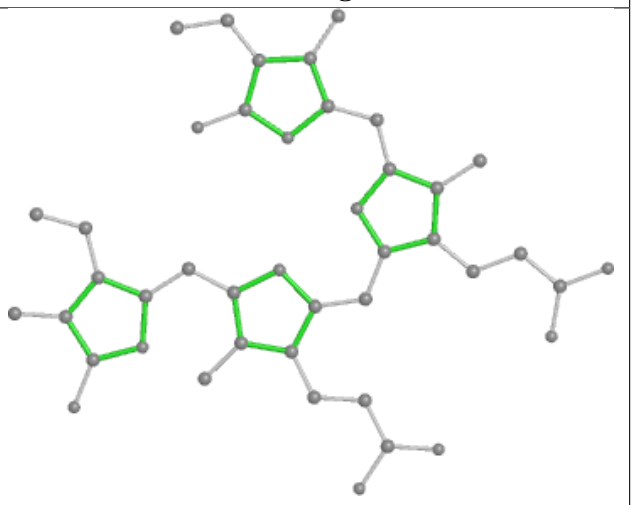
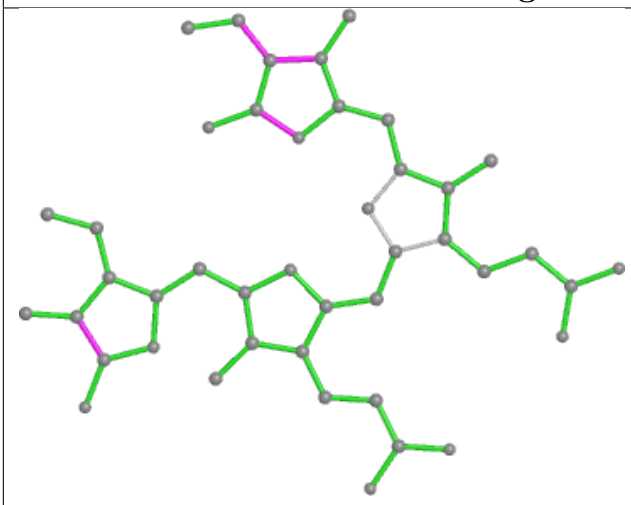


Torsions



Rings

Ligand PEB aL 202



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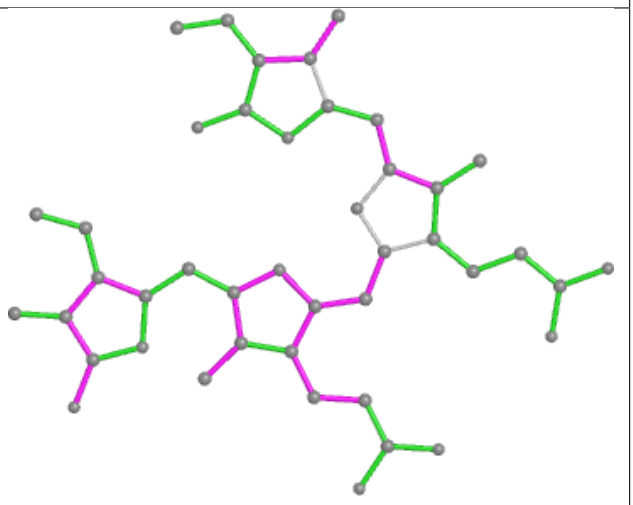

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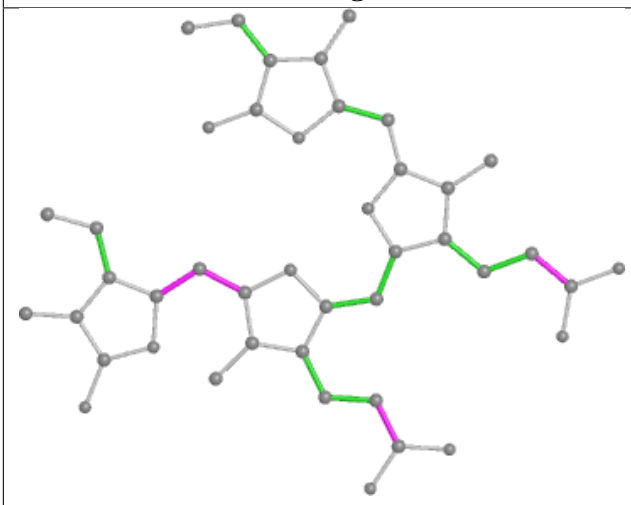

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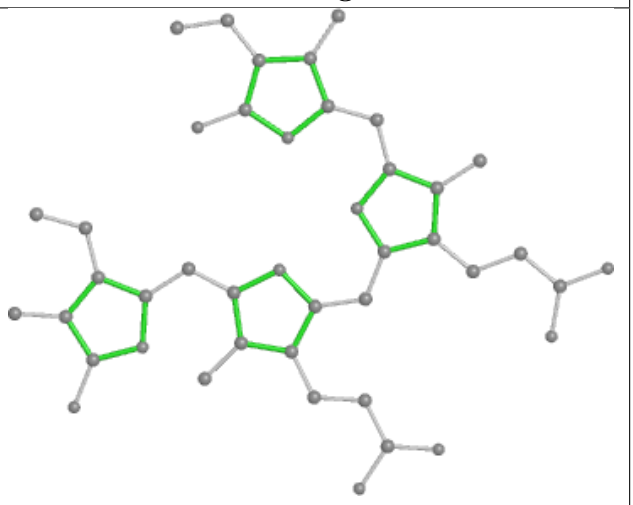
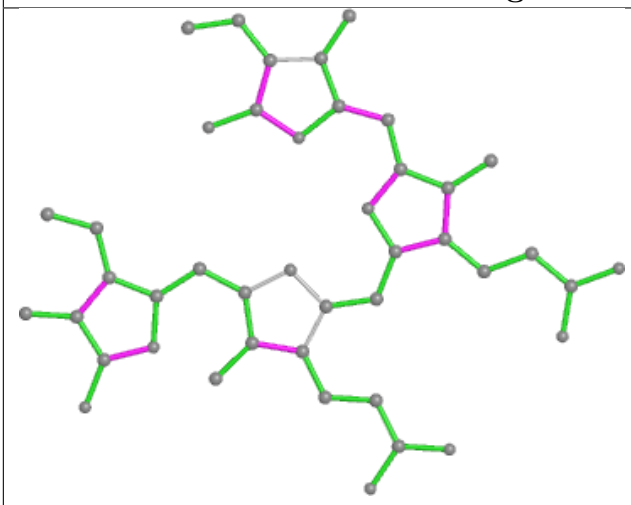


Rings

Ligand PUB Z9 1005



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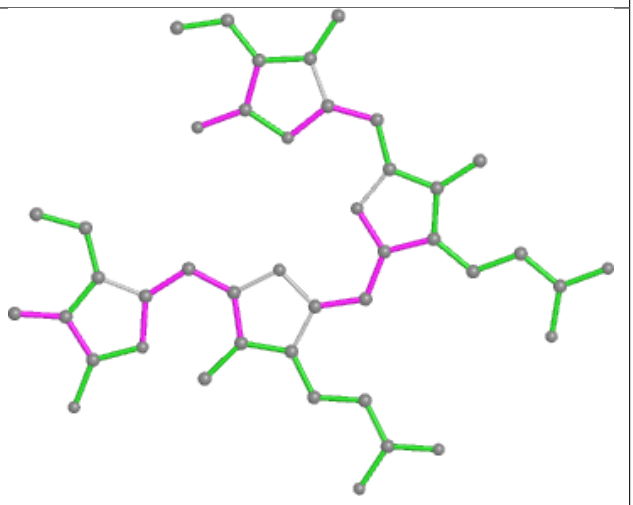

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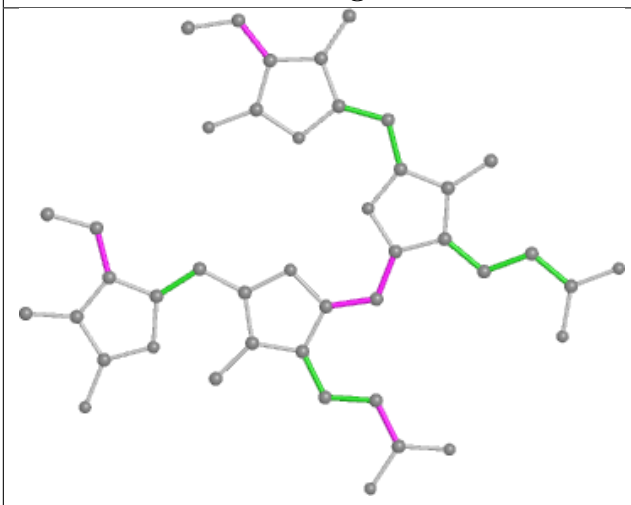

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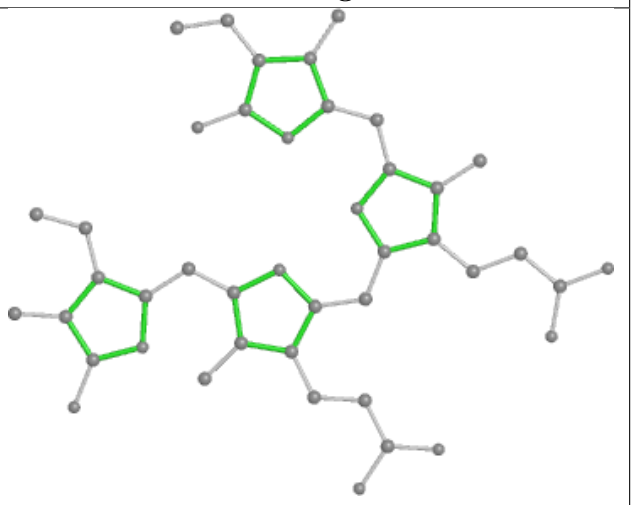
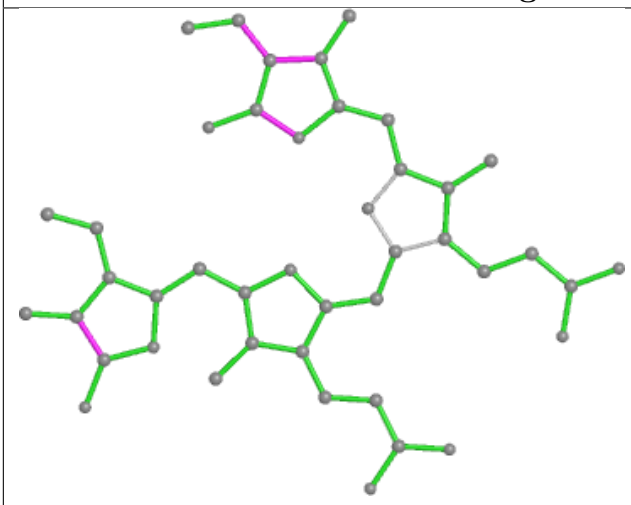


Rings

Ligand PEB y6 202



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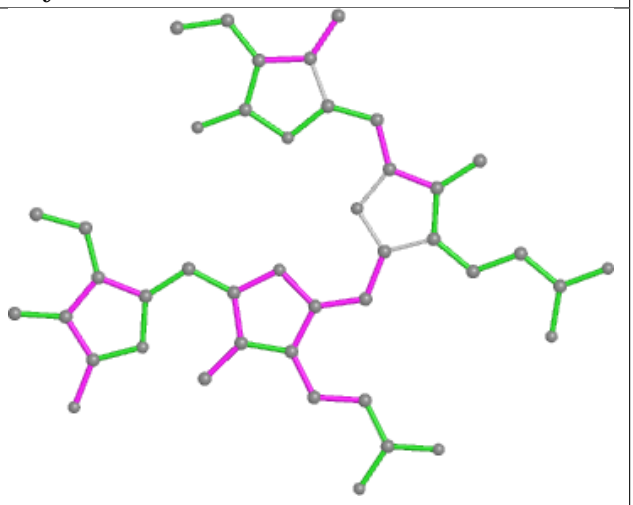

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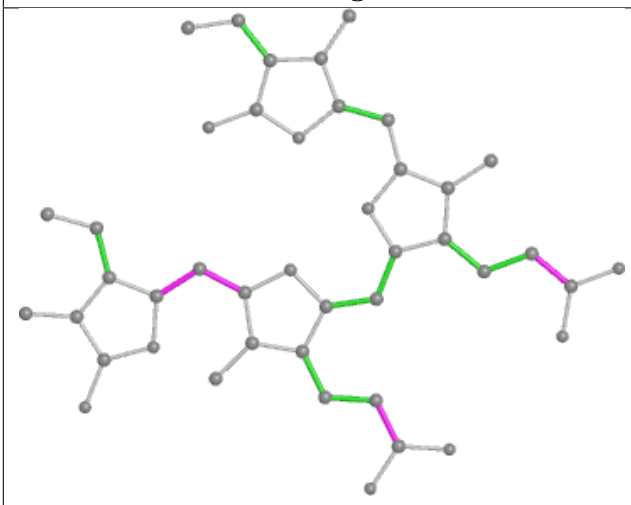

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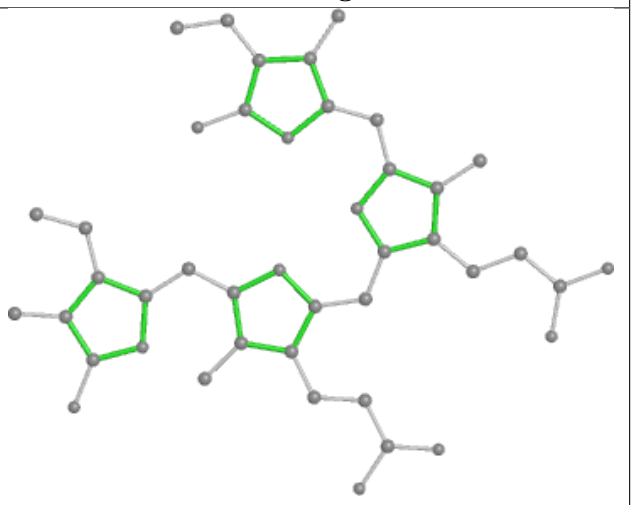
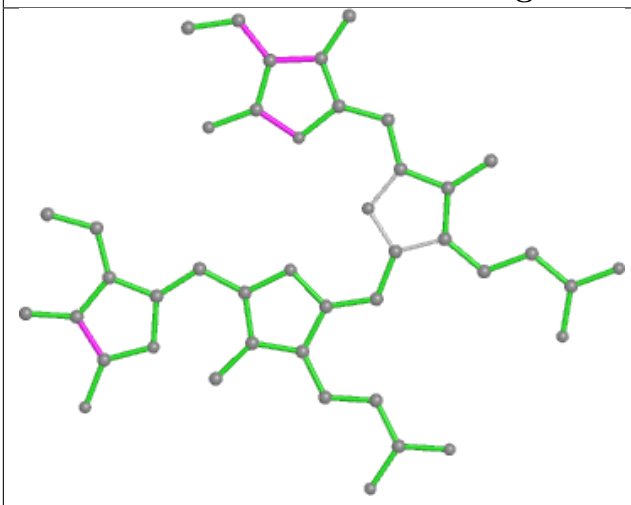


Rings

Ligand PEB aQ 202



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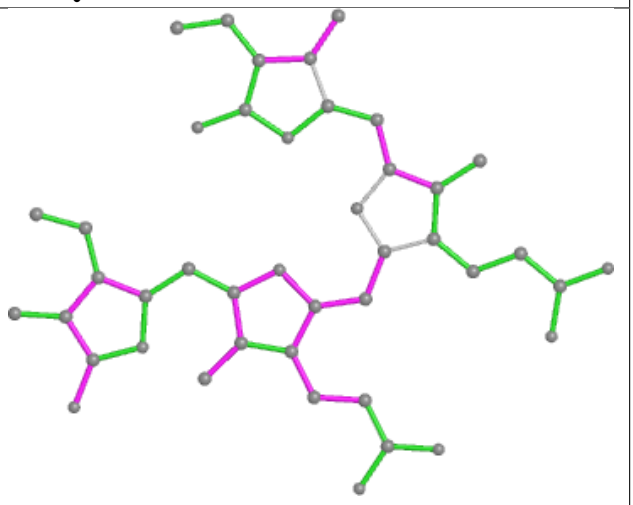

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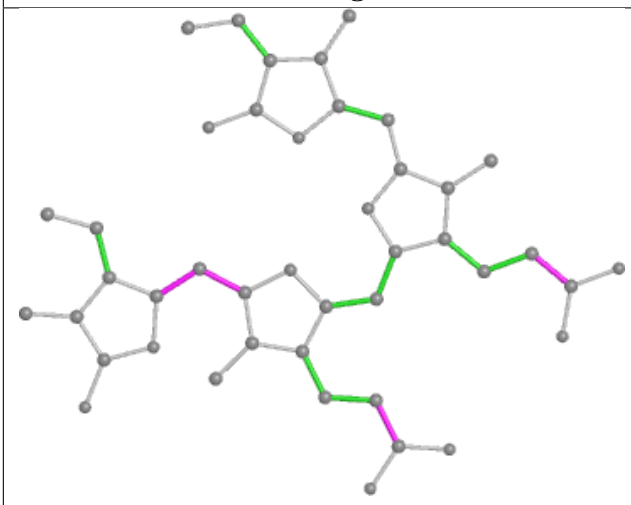

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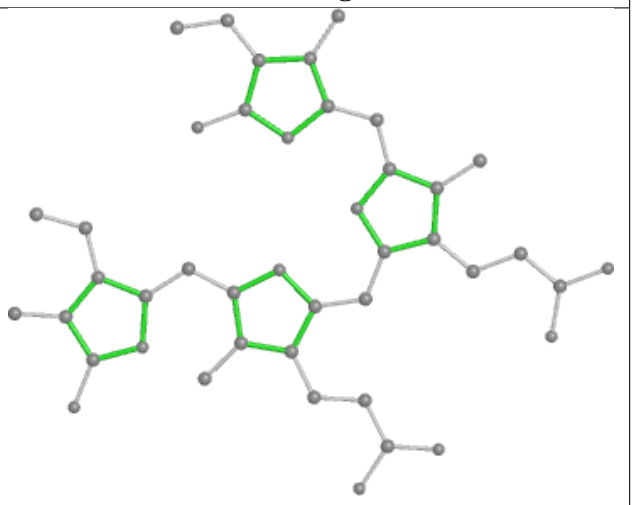
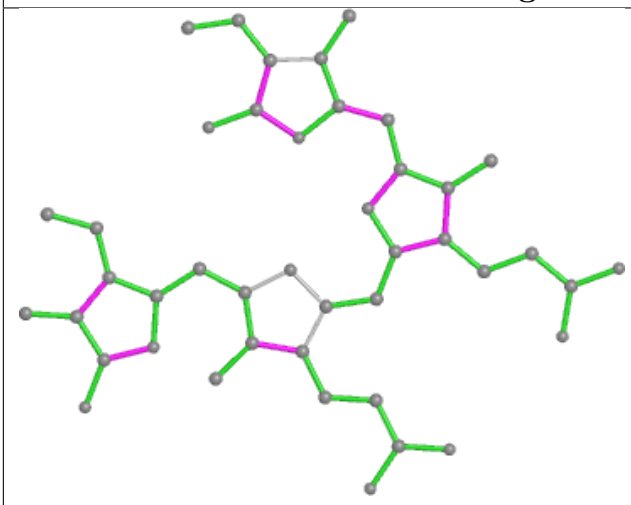


Rings

Ligand PUB eg 203



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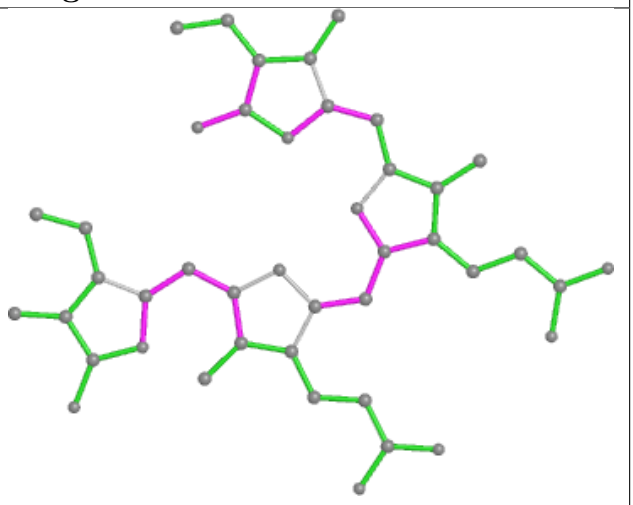

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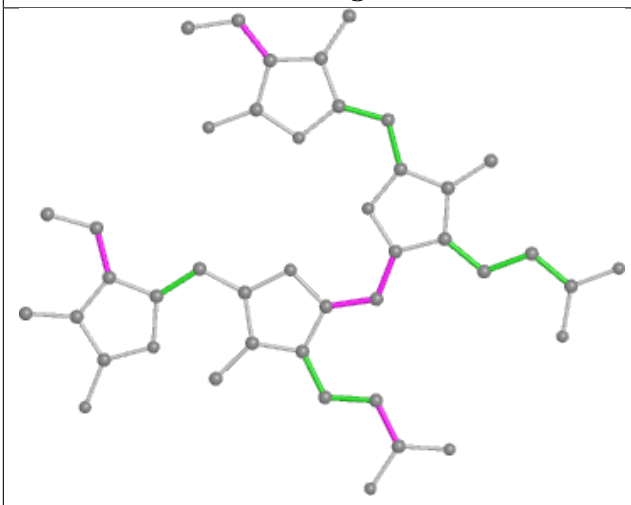

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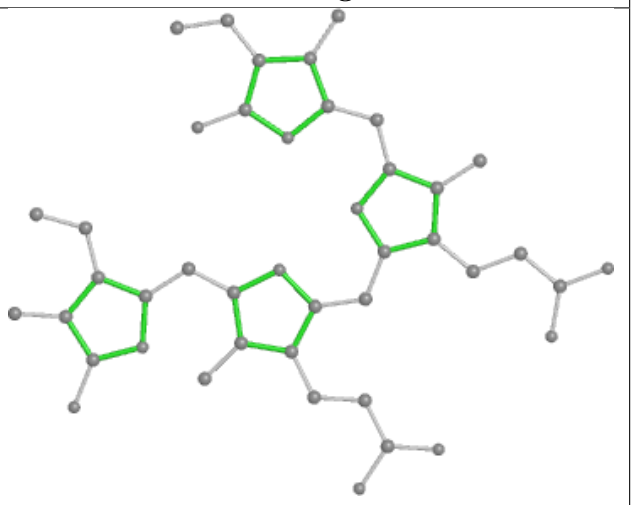

Rings

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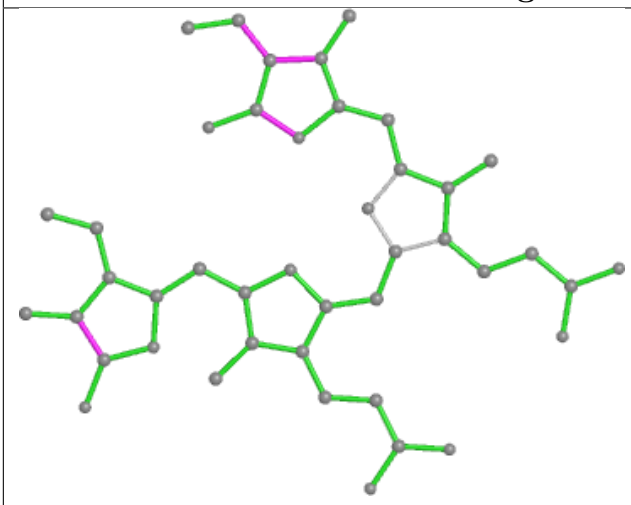

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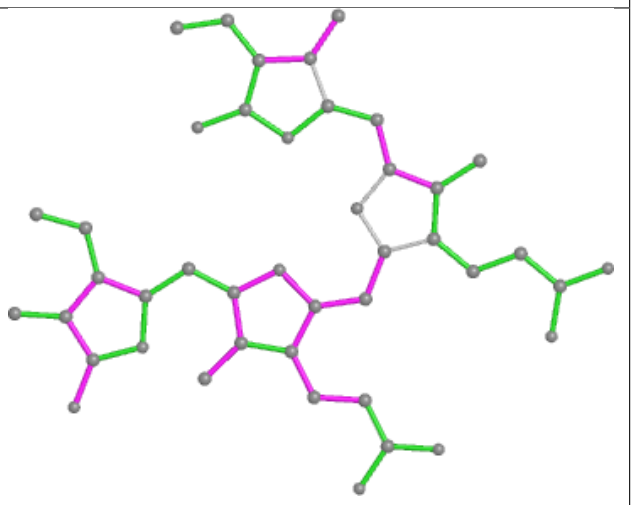

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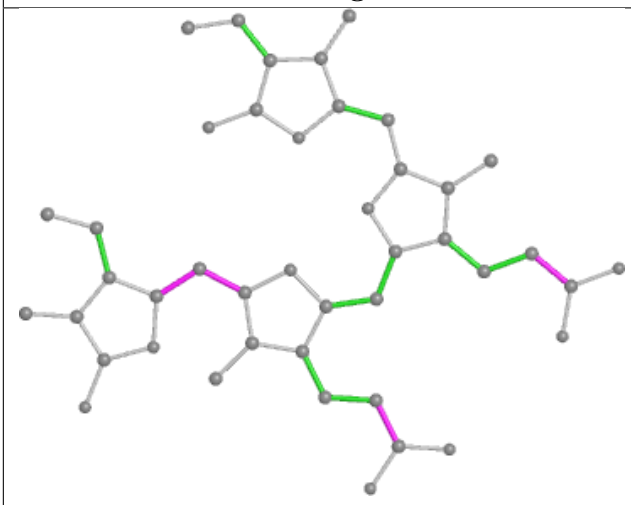

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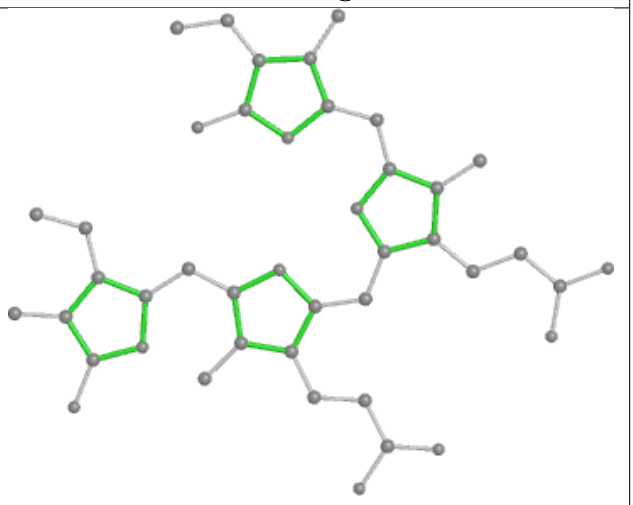

Rings

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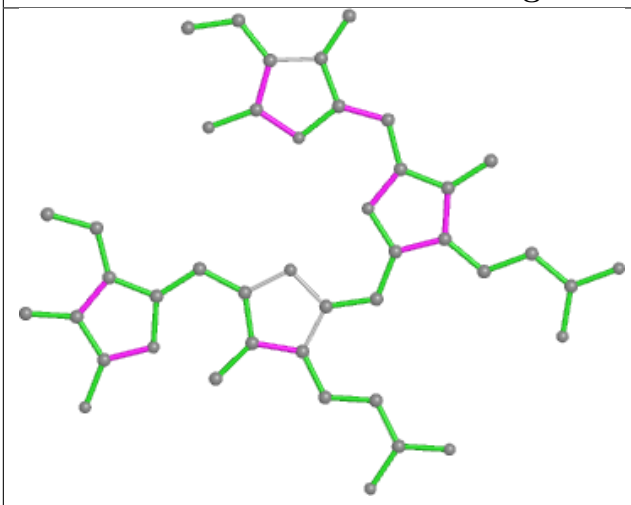

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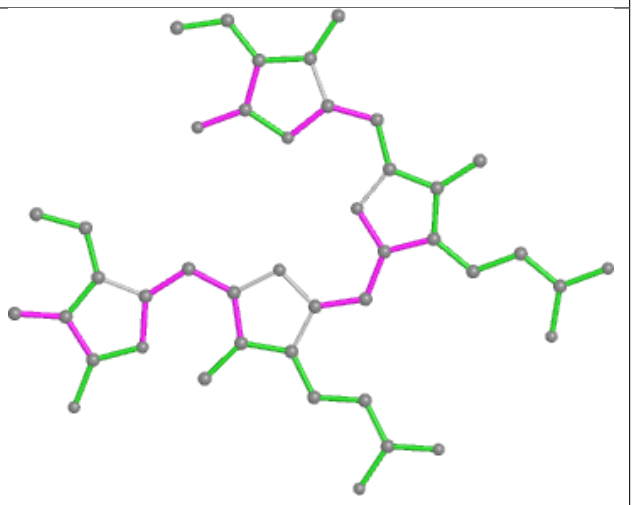

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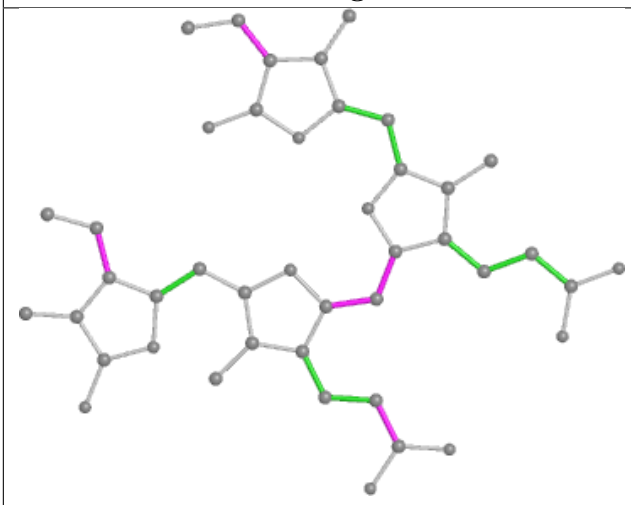

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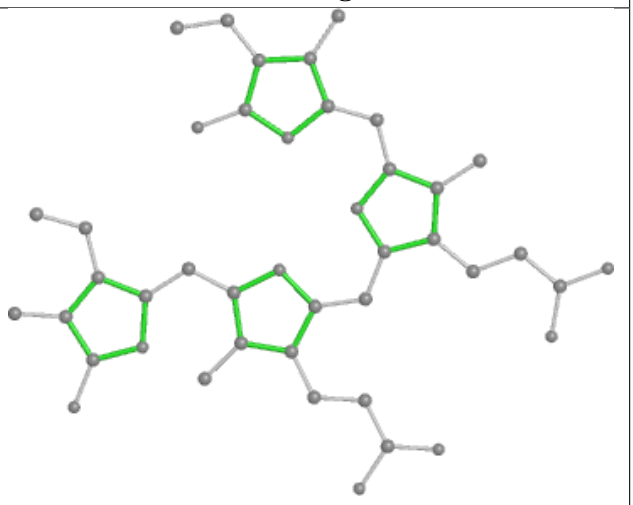
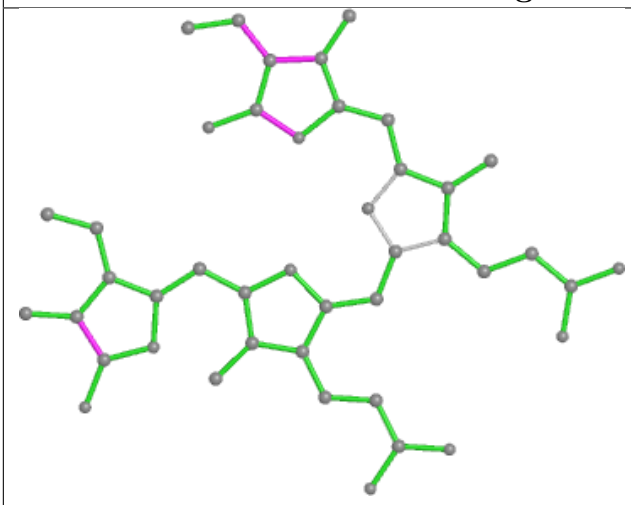


Rings

Ligand PEB Q6 201



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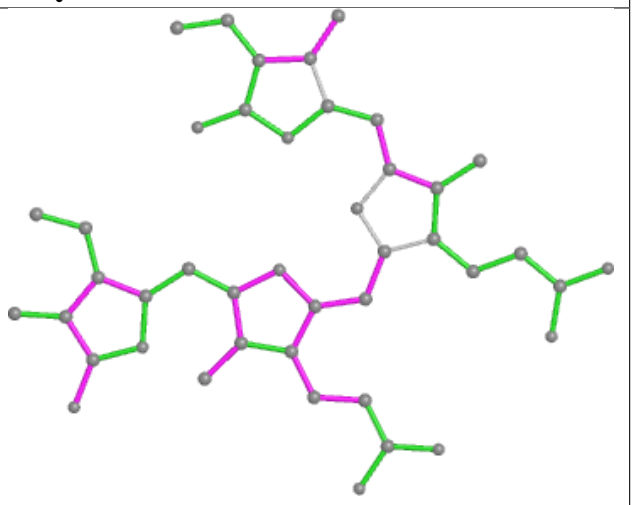

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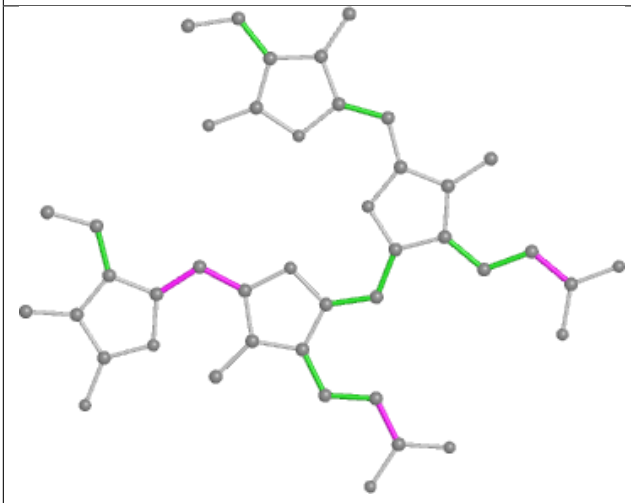

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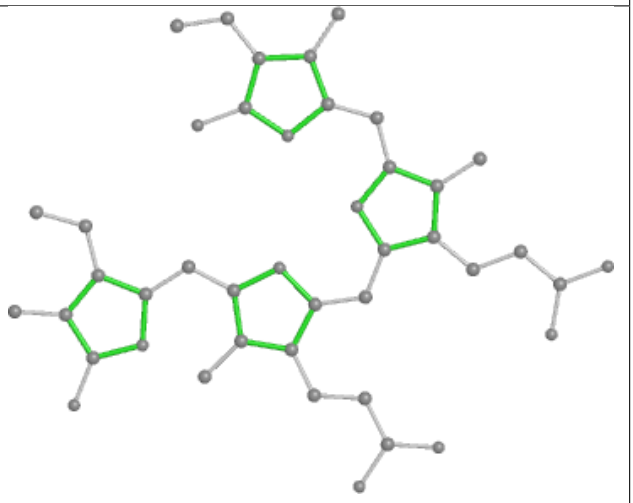

Rings

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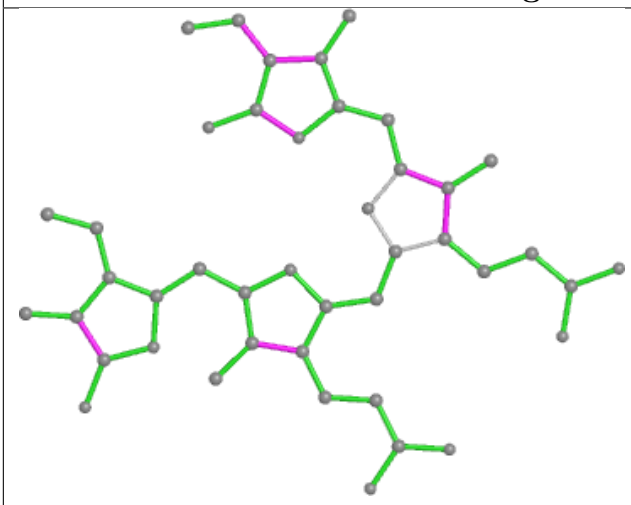

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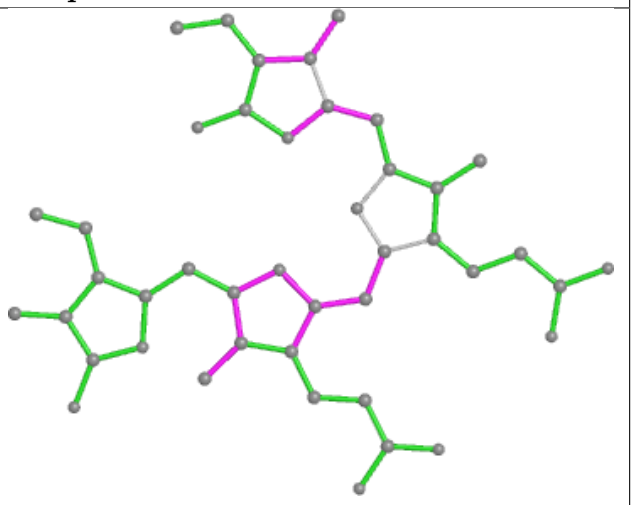

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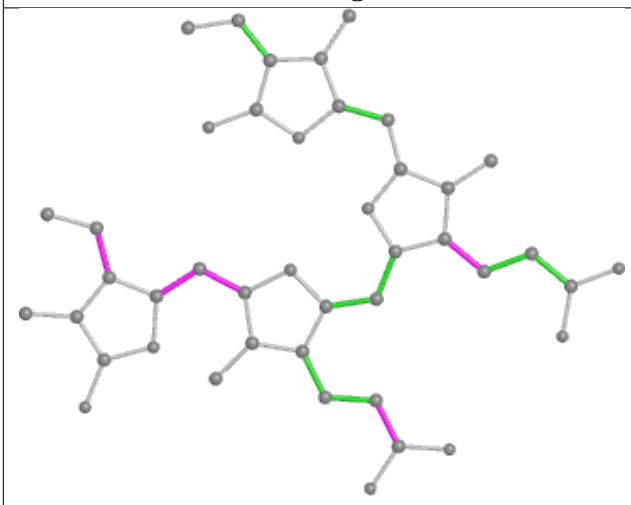

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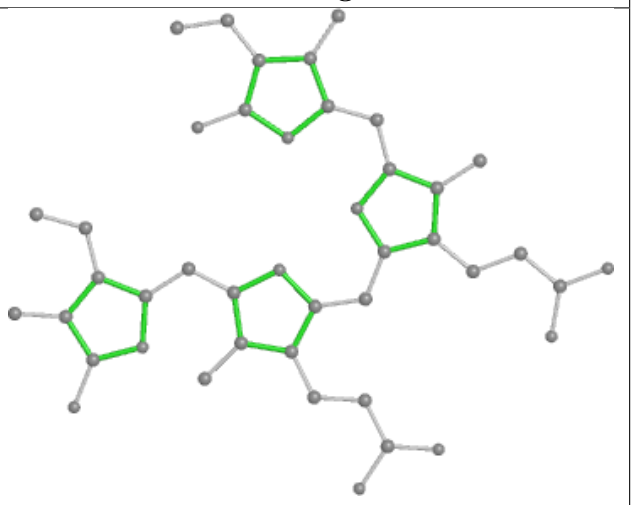
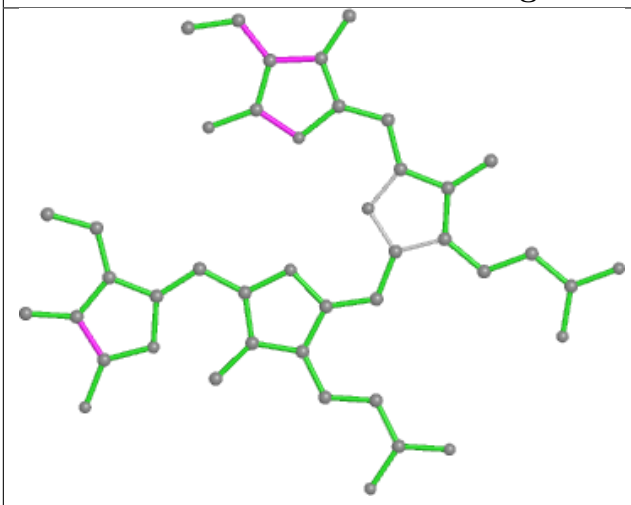


Rings

Ligand PEB cp 201



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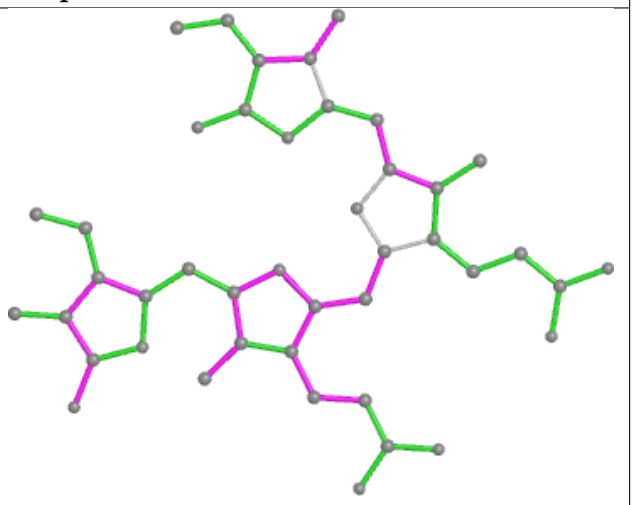

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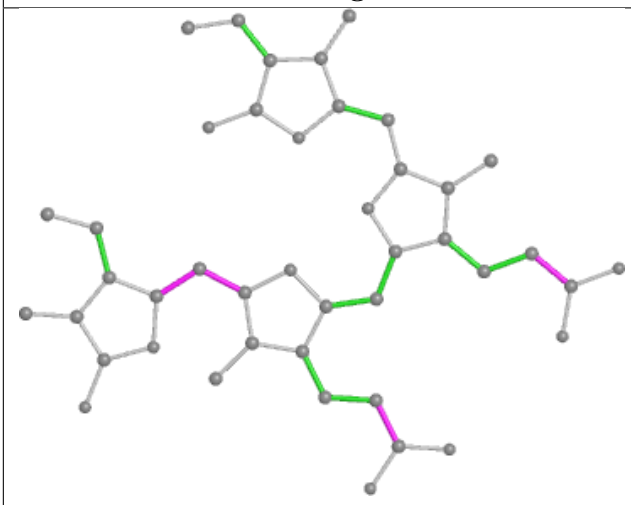

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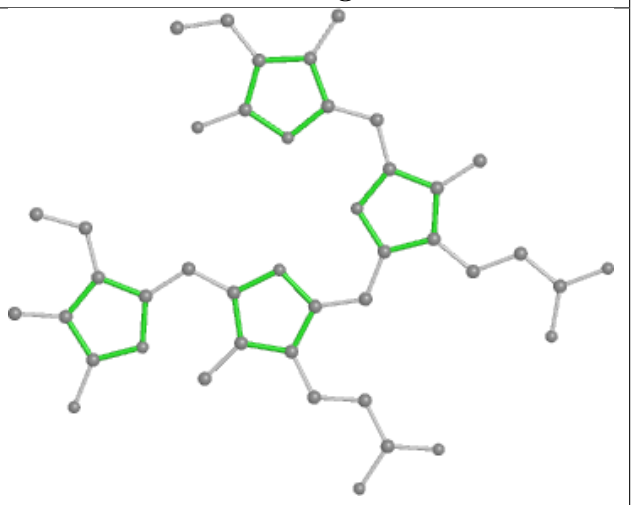
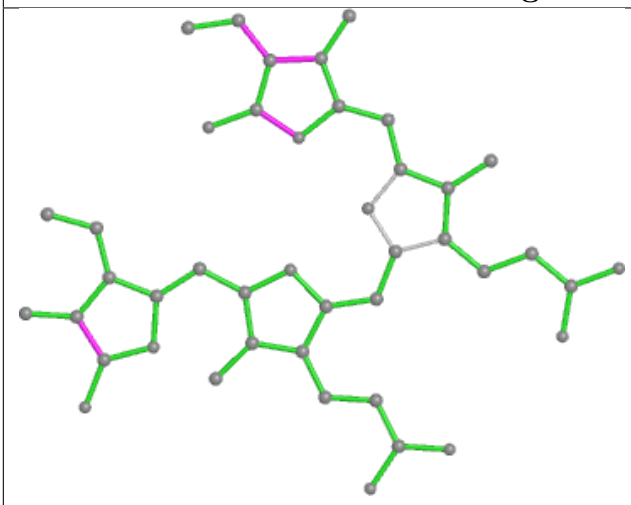


Rings

Ligand PEB t5 201



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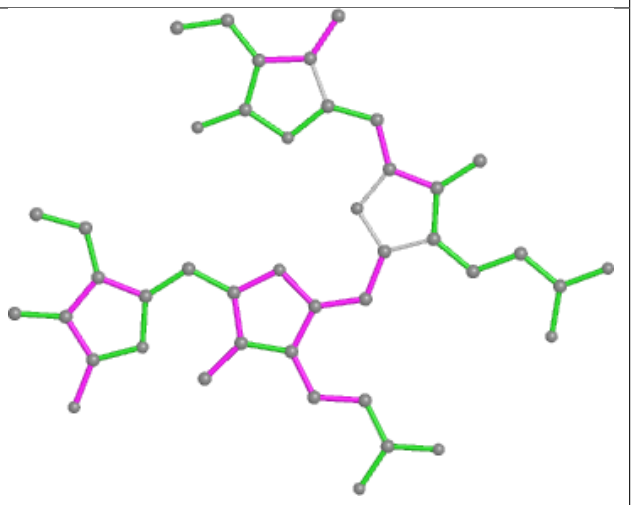

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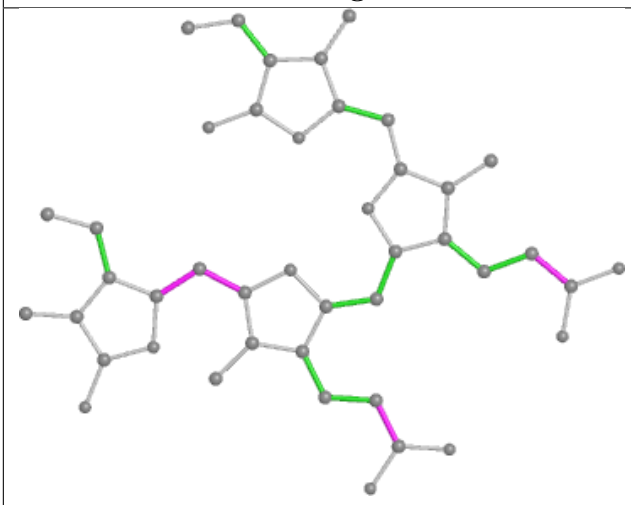

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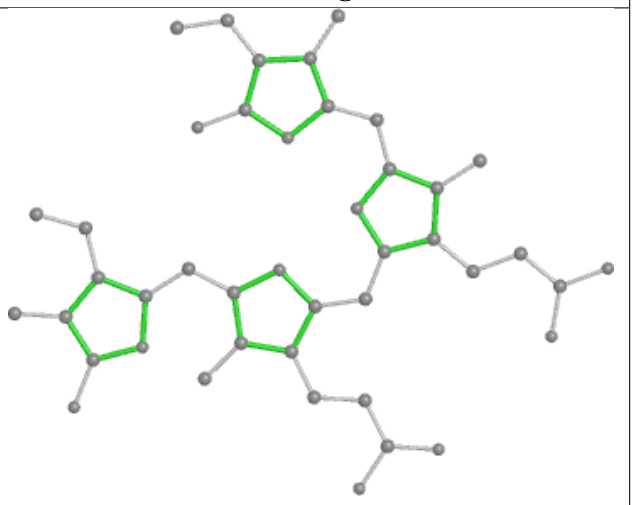
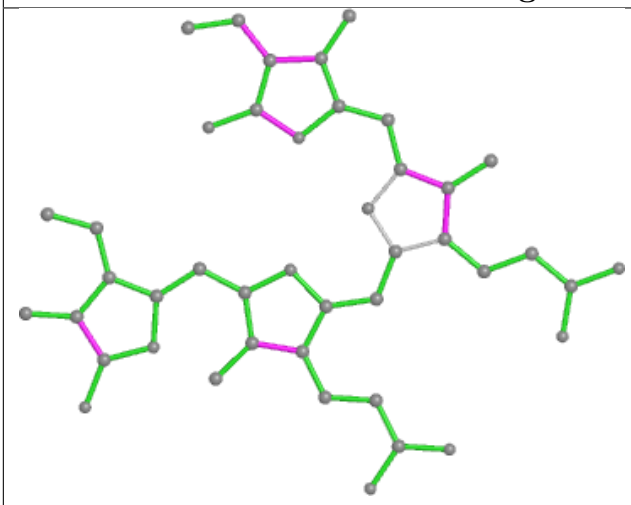


Rings

Ligand PEB S5 203



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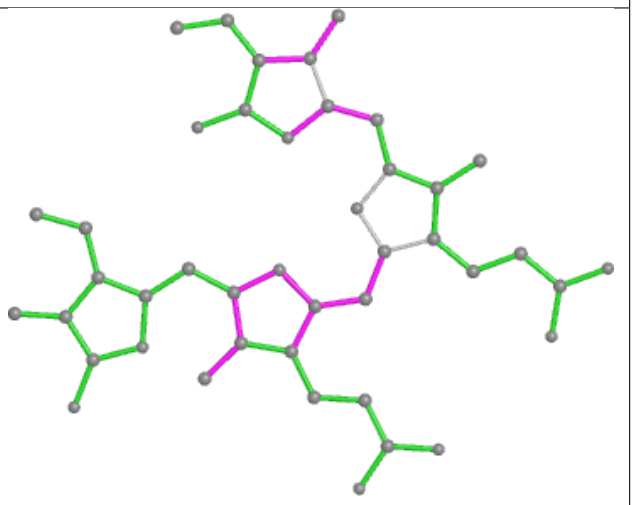

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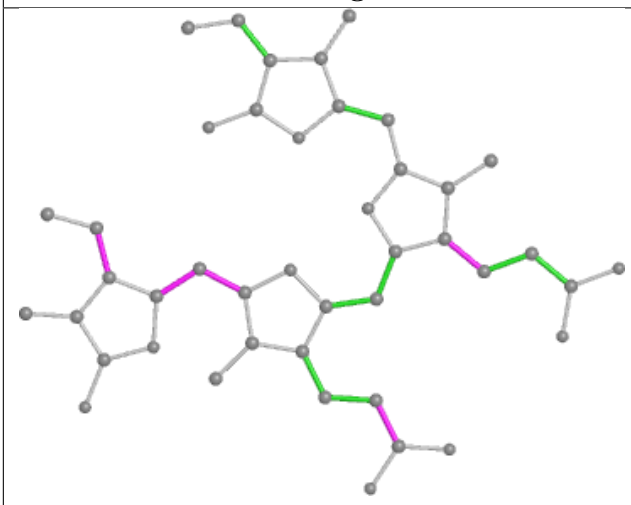

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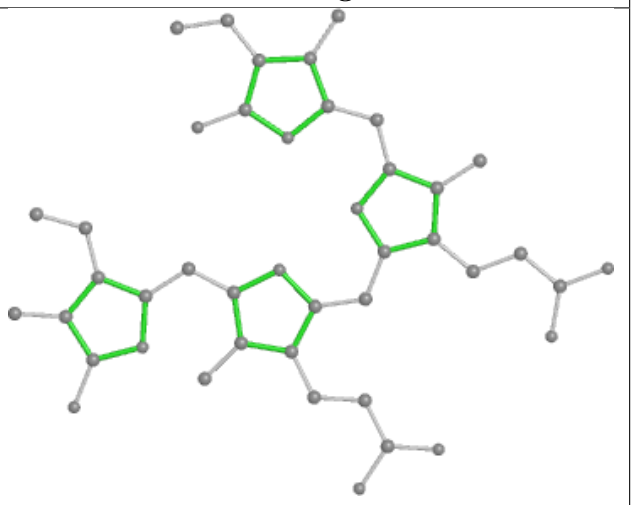
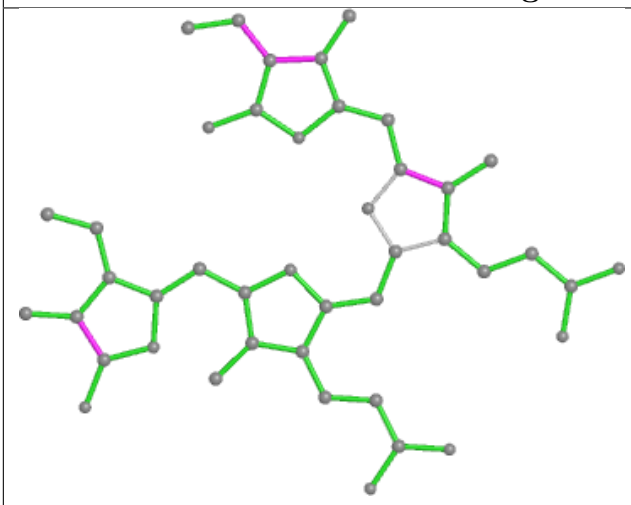


Rings

Ligand PEB t8 202



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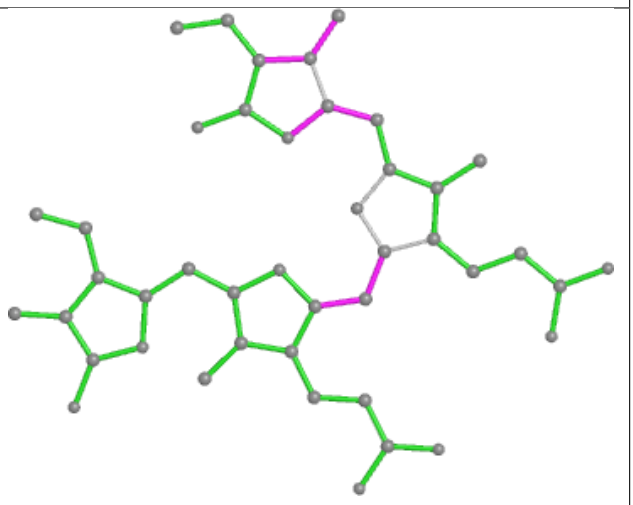
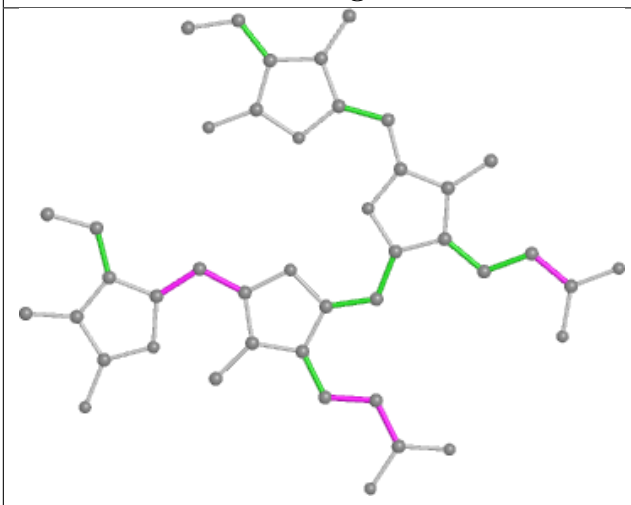


Bond angles



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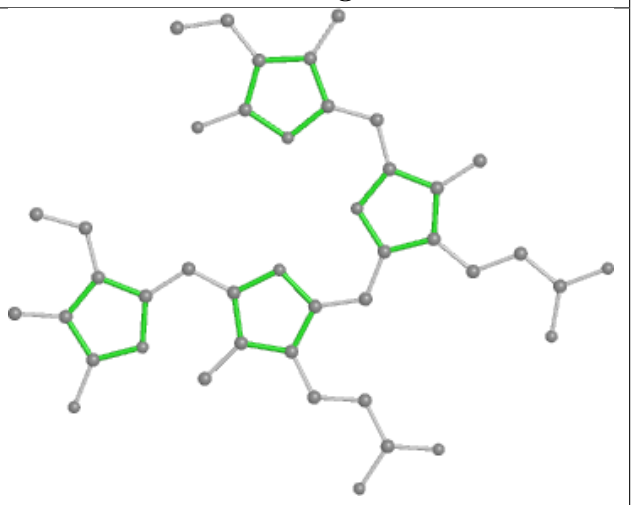
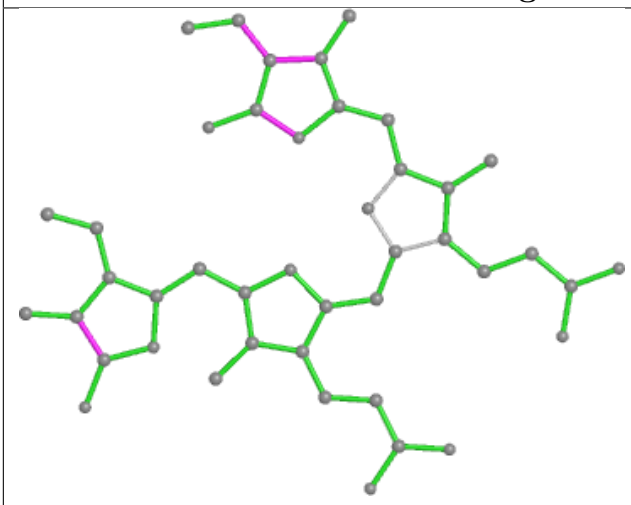


Rings

Ligand PEB ah 201



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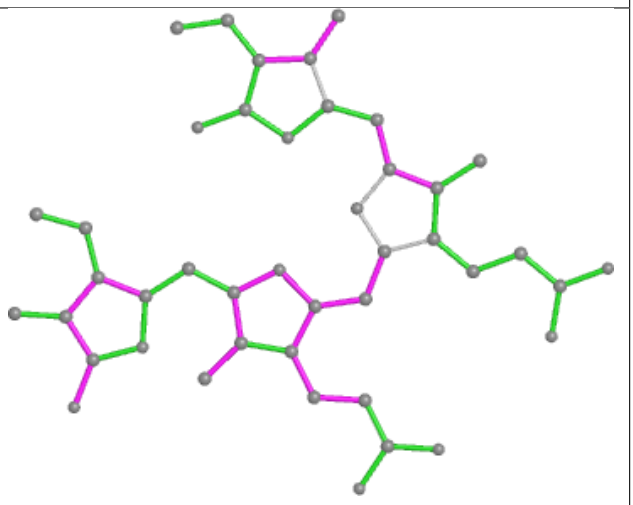

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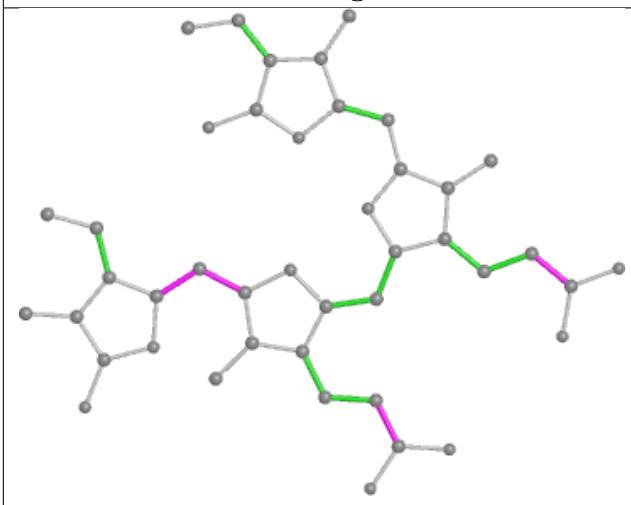
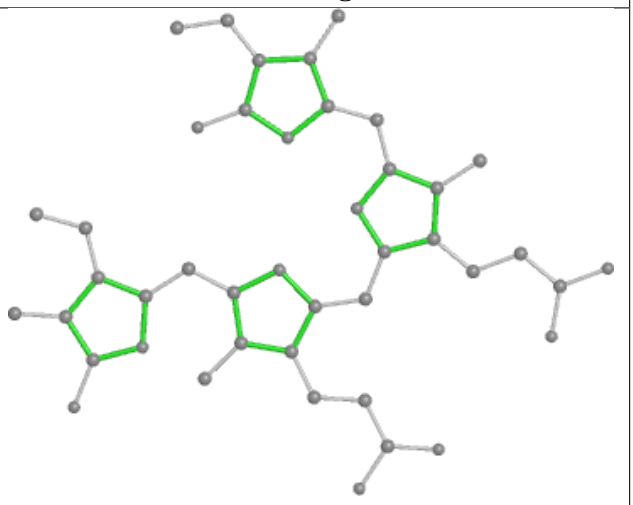
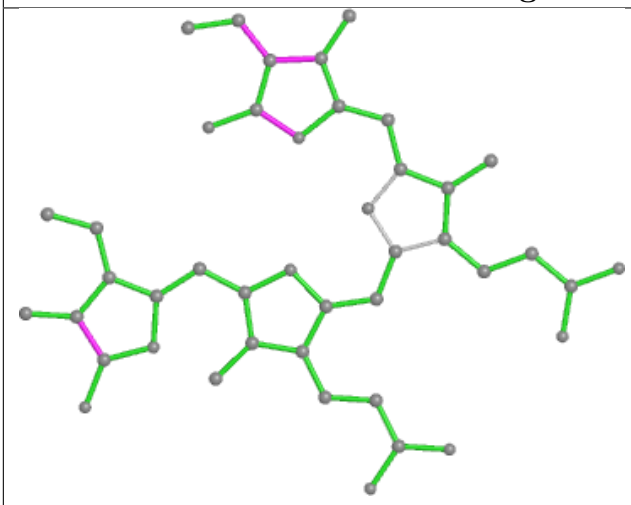


Torsions



Rings

Ligand PEB q4 201



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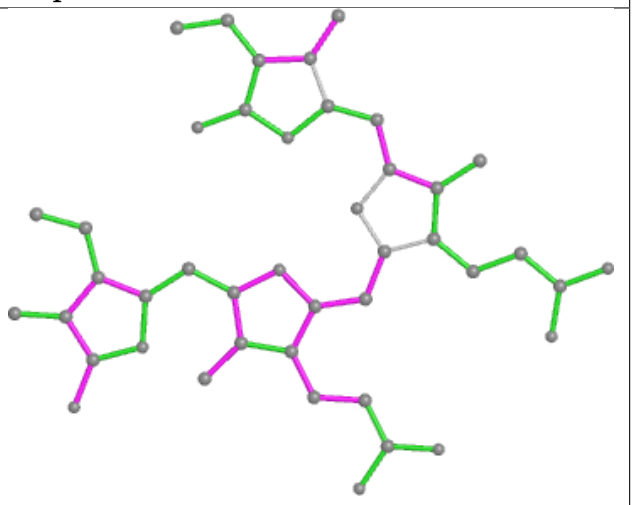

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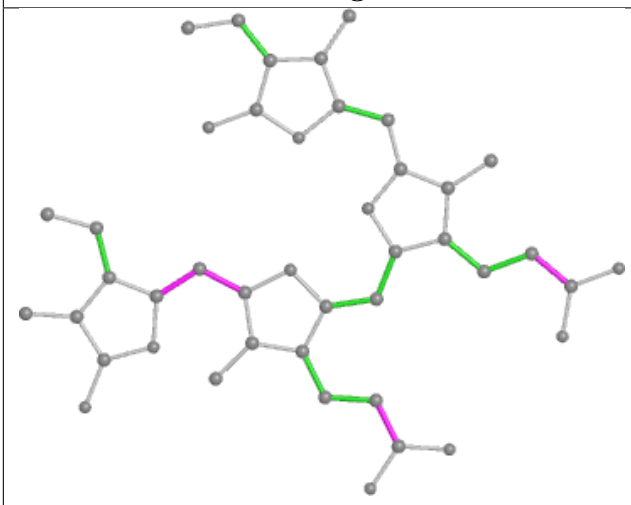

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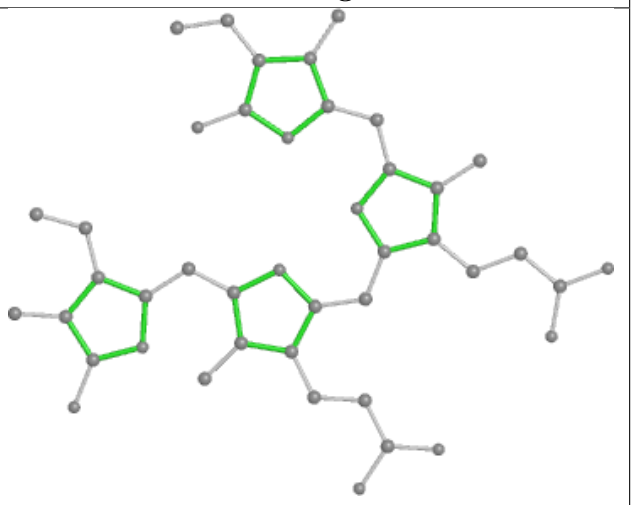

Rings

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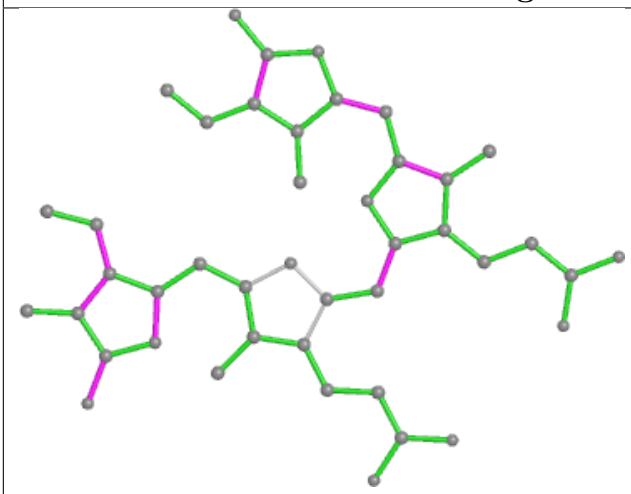

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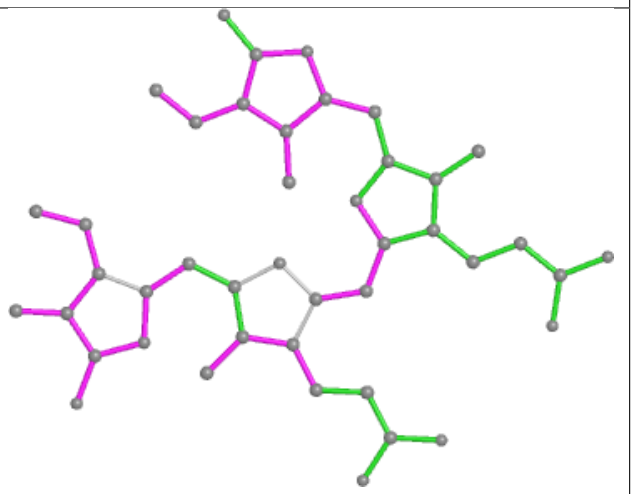

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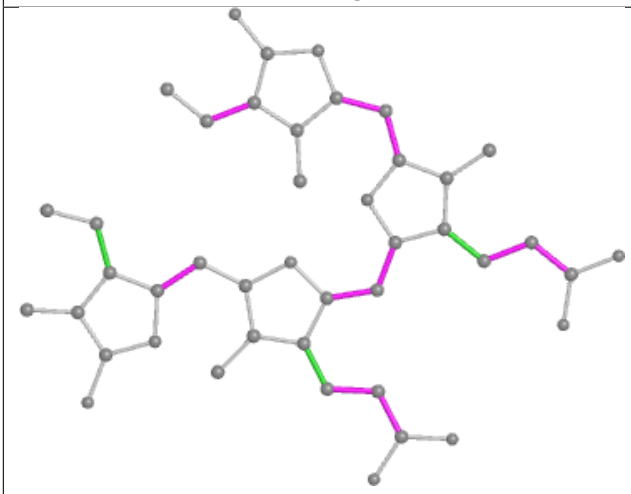

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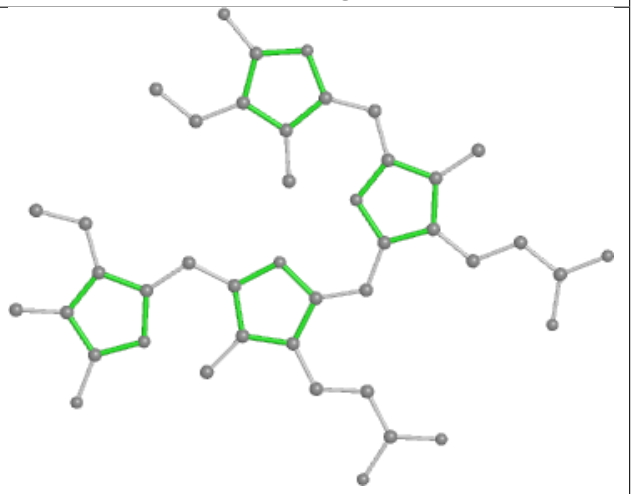

Rings

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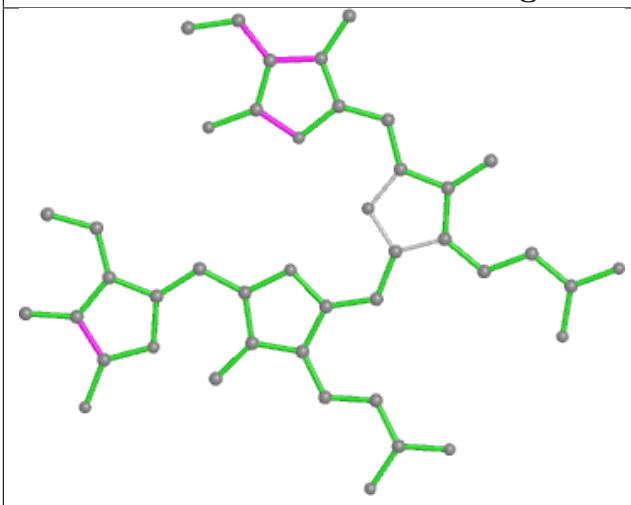

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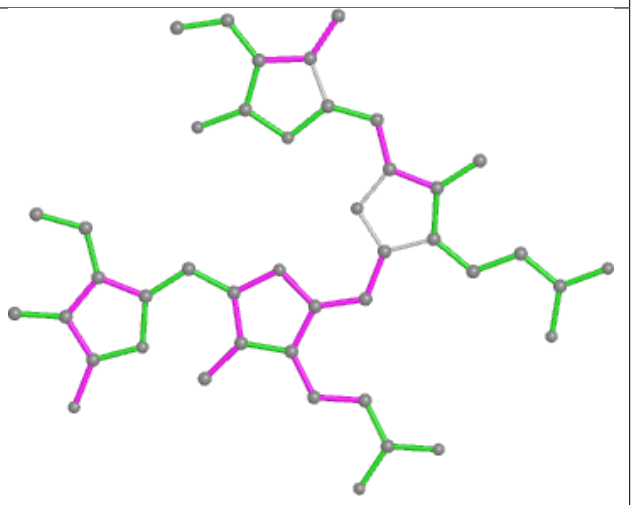

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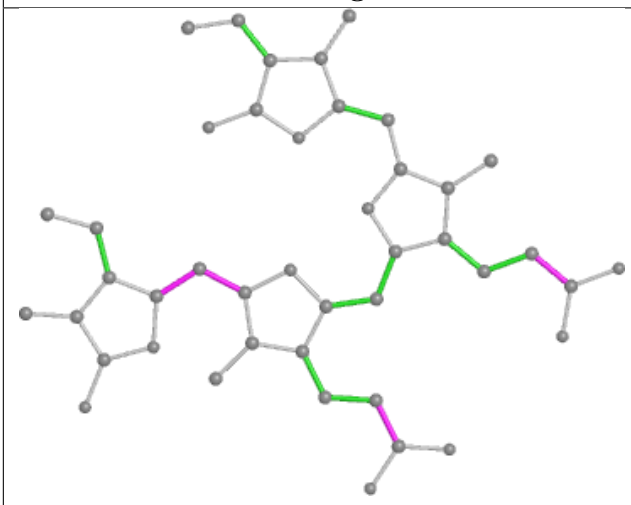

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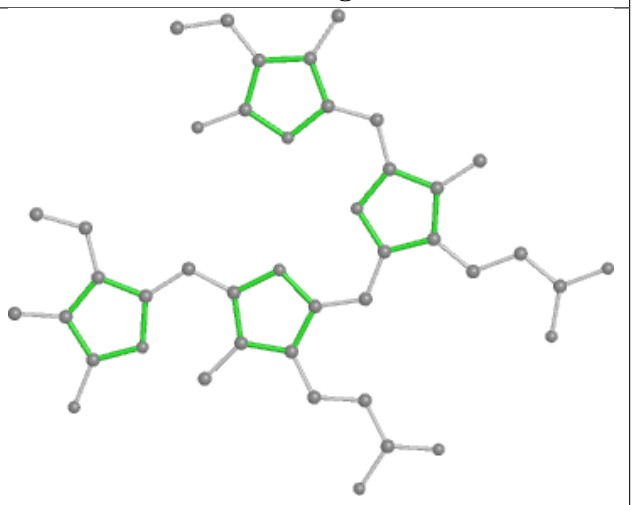

Rings

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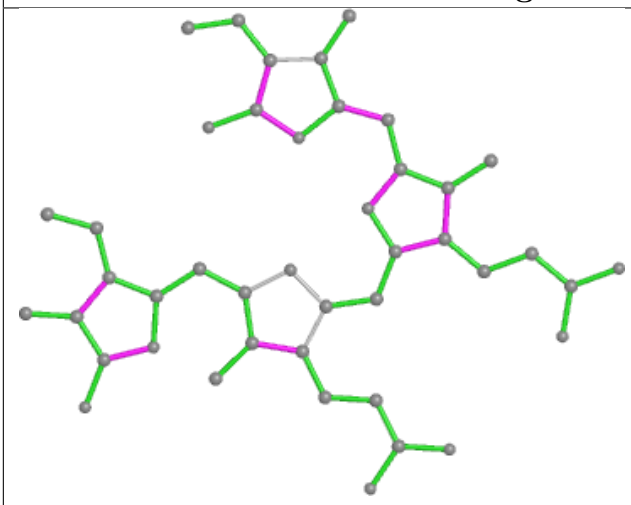

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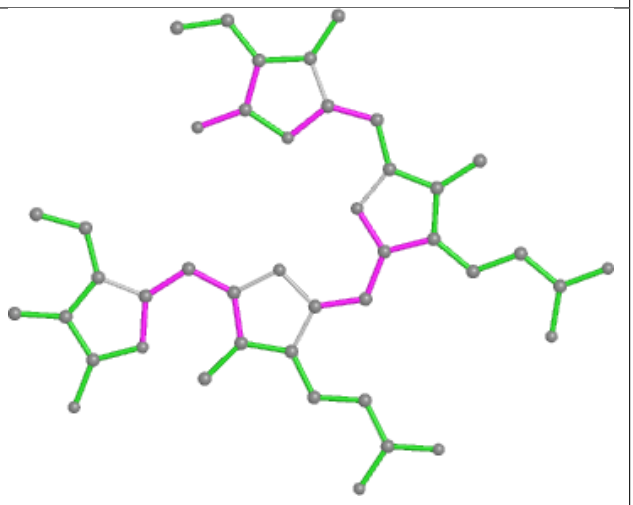

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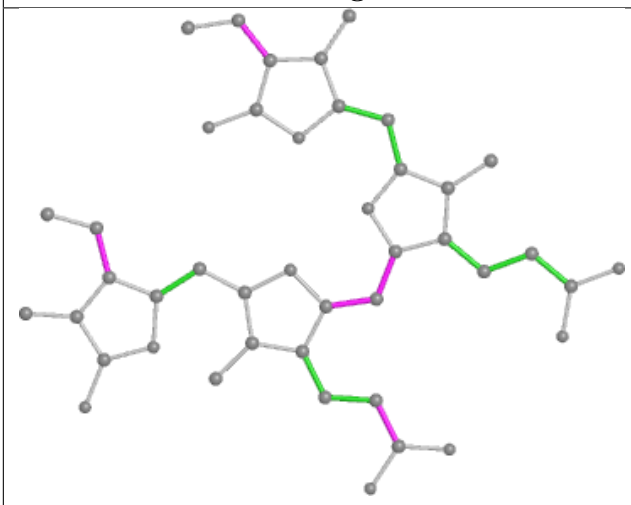

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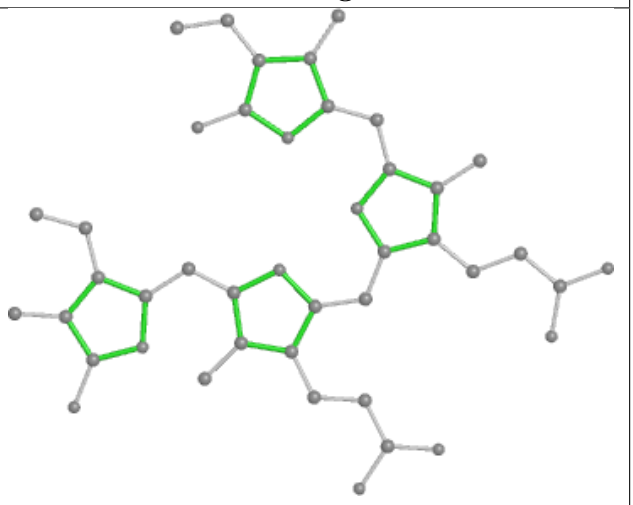

Rings

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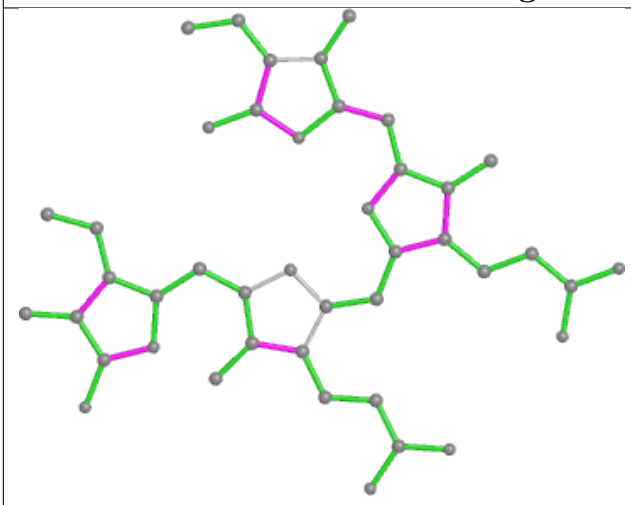

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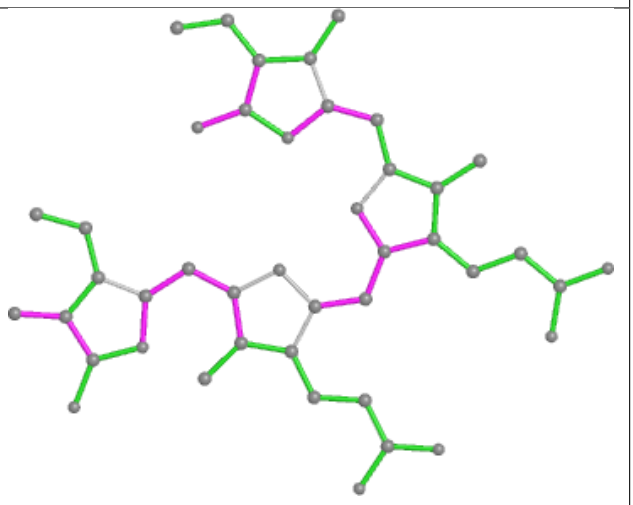

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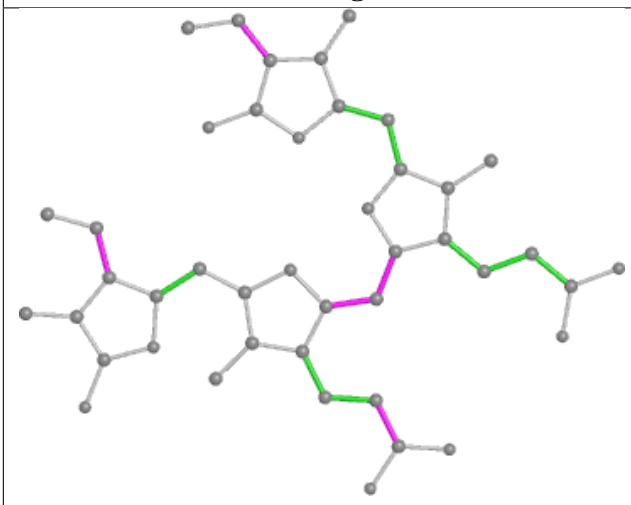

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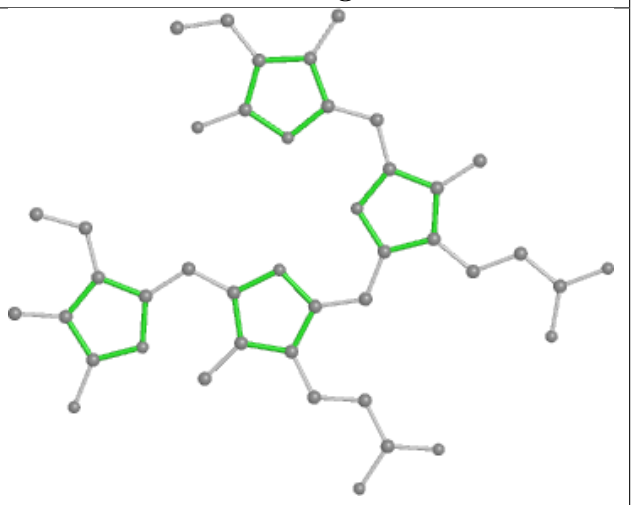

Rings

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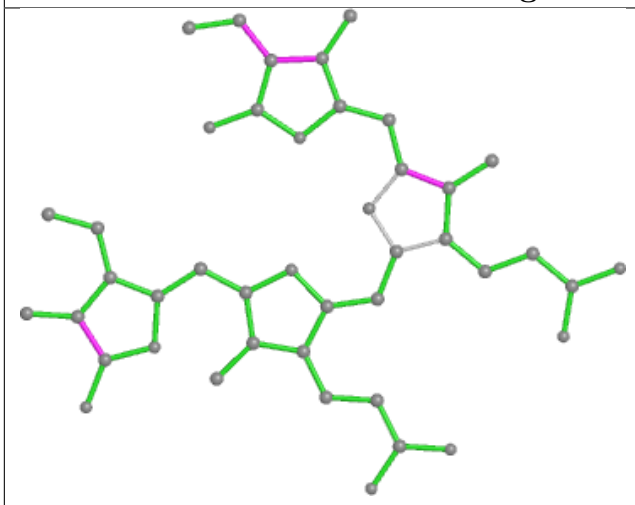

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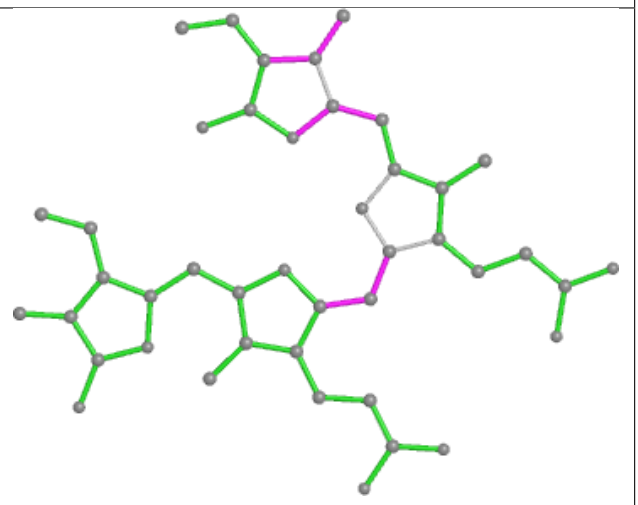

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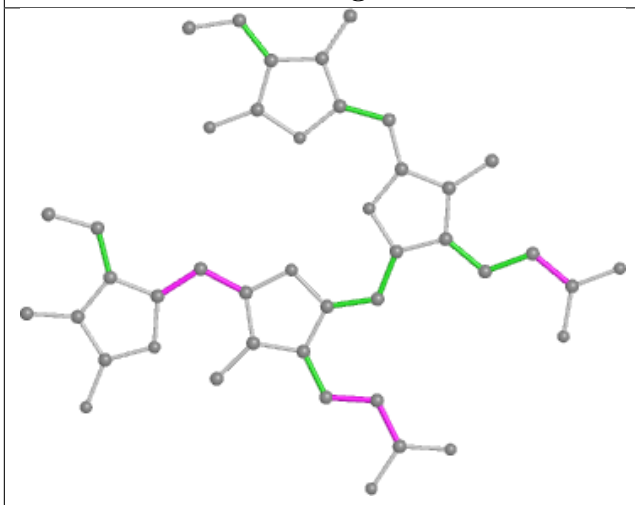

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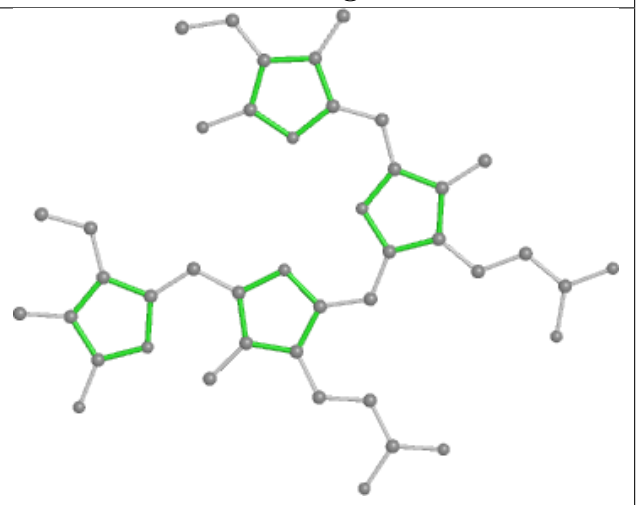

Rings

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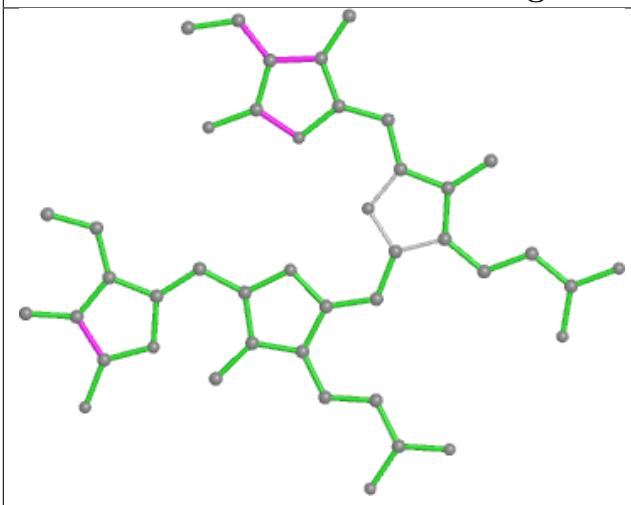

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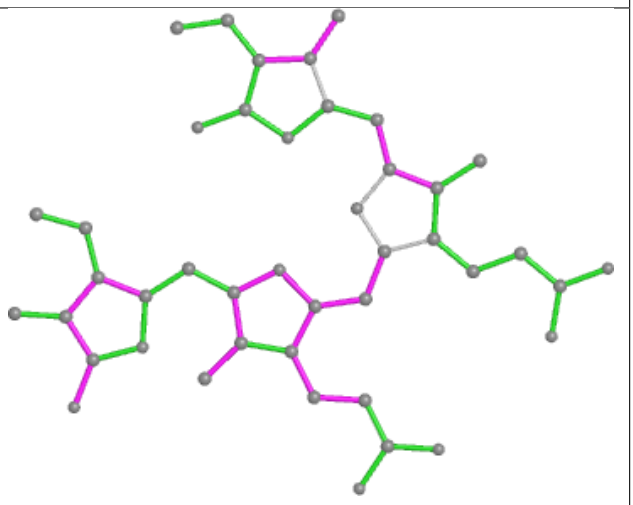

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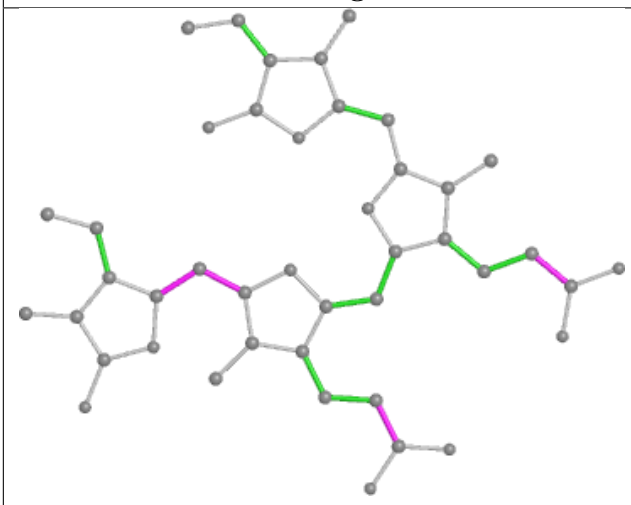

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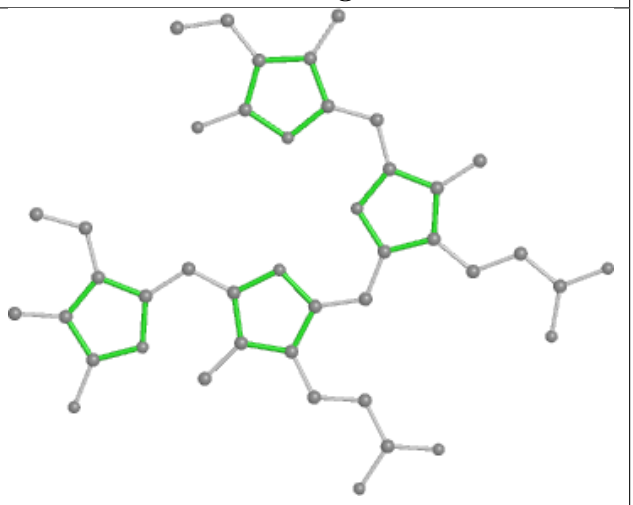

Rings

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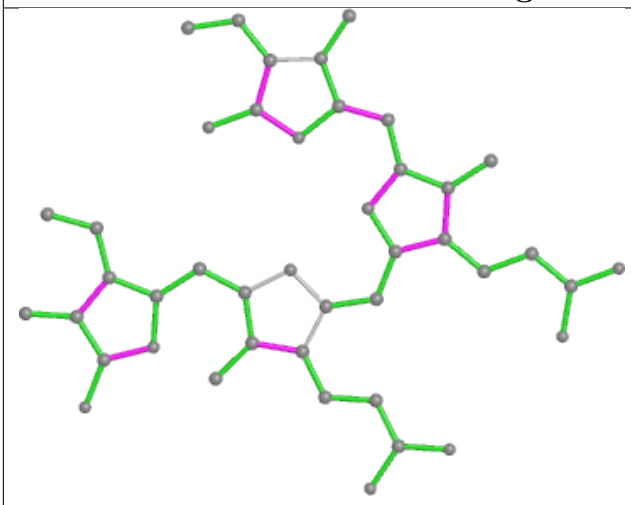

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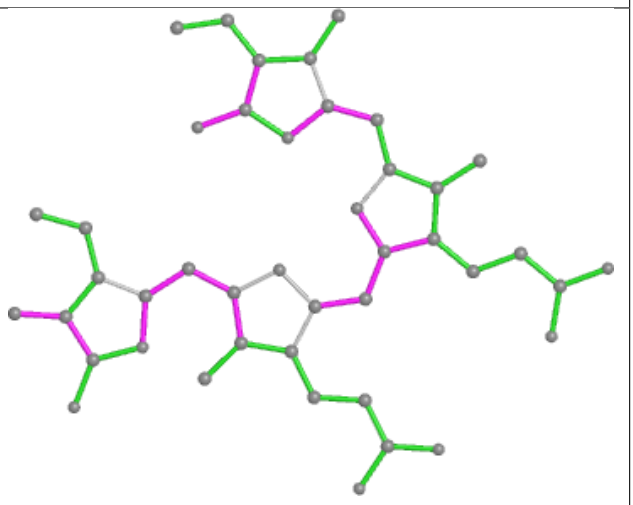

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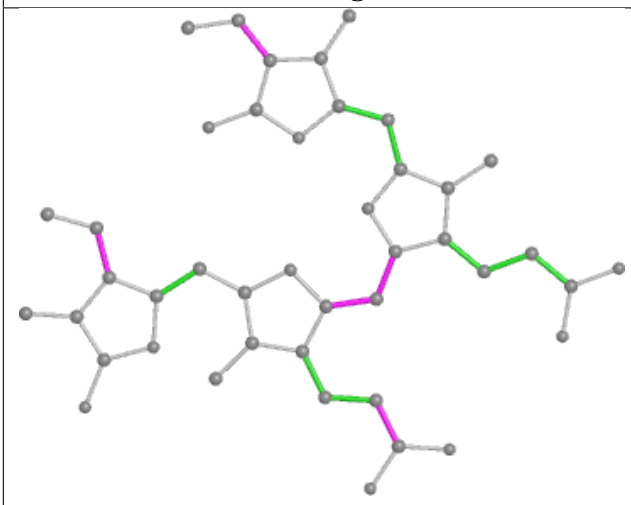

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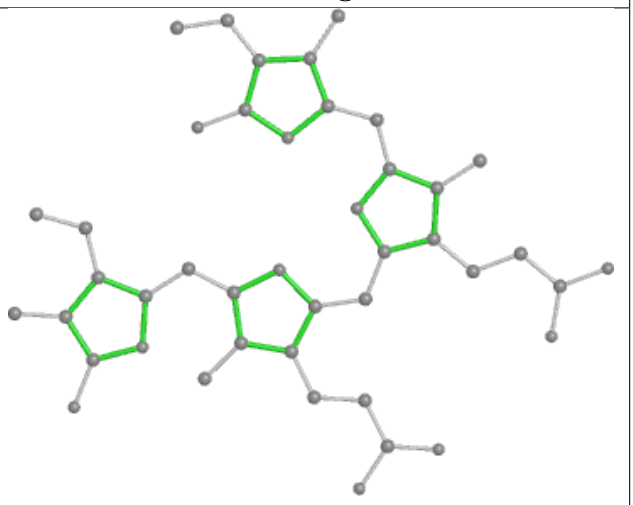

Rings

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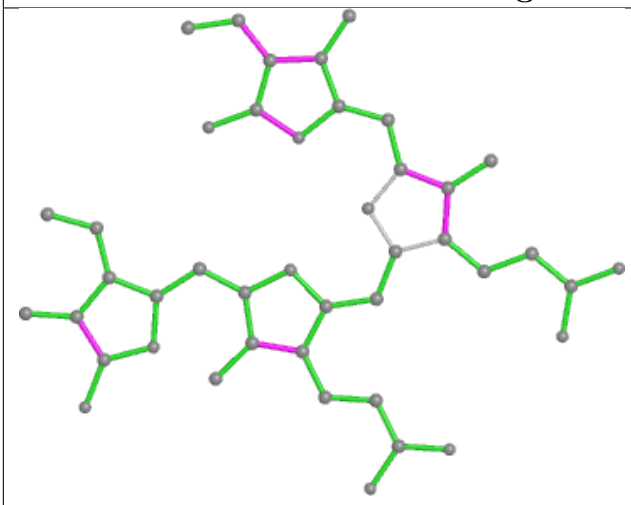

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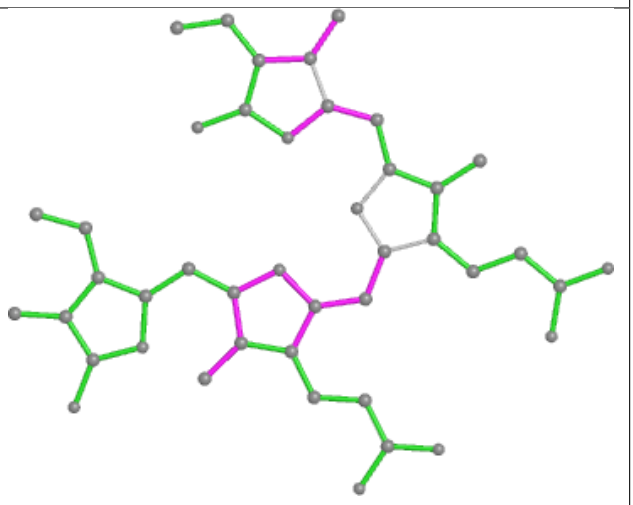

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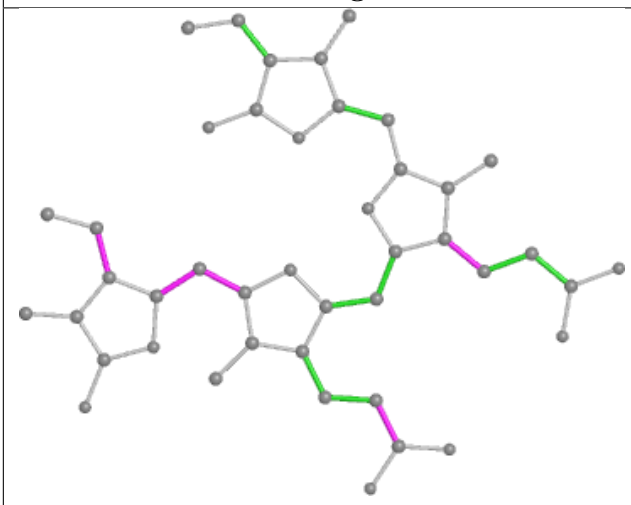

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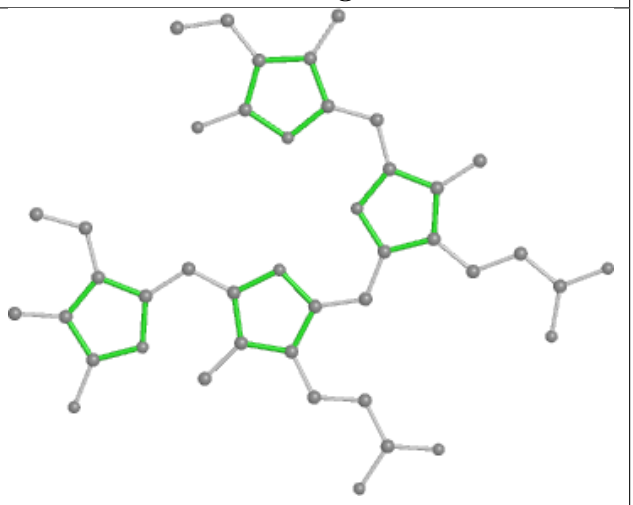

Rings

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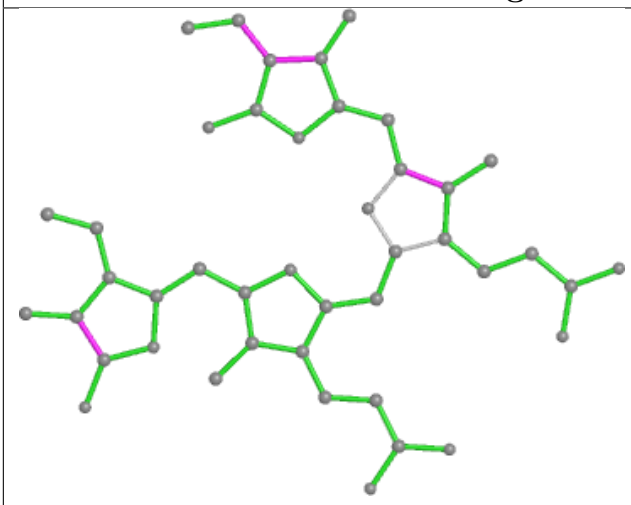

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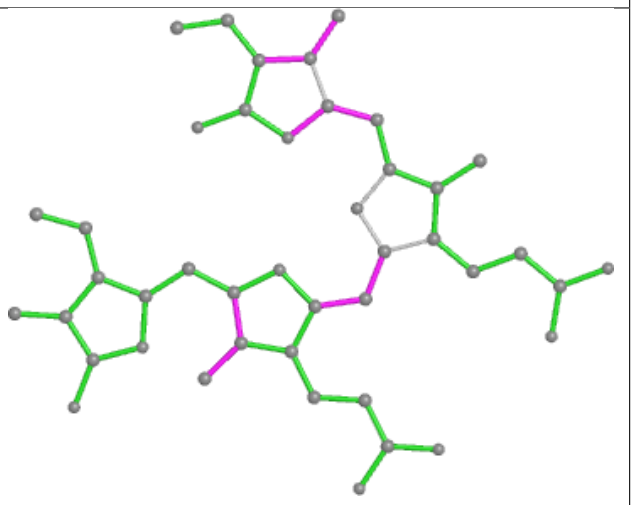

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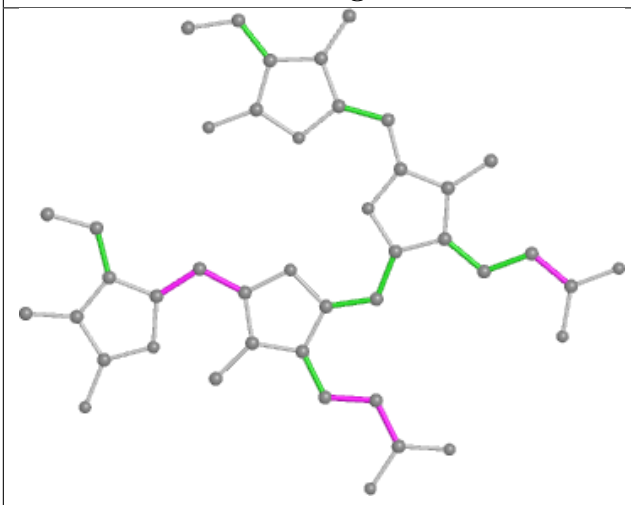

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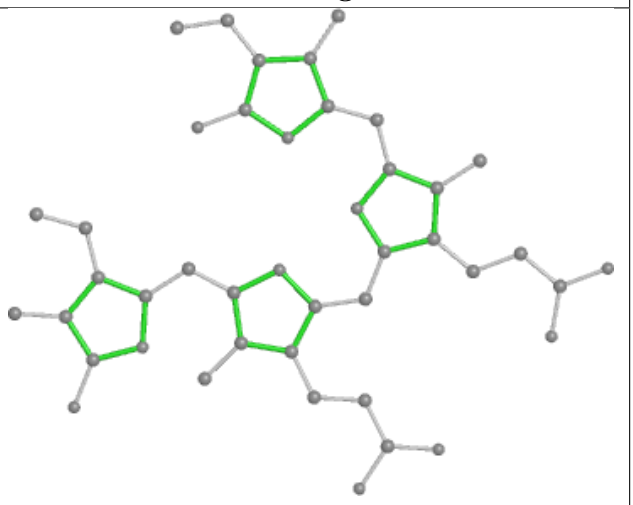

Rings

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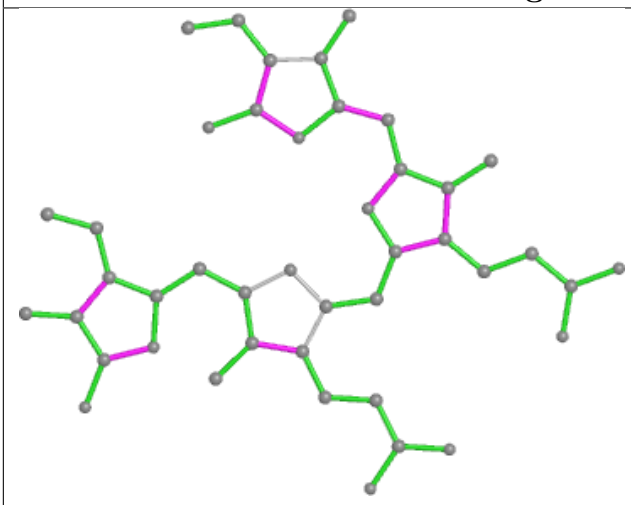

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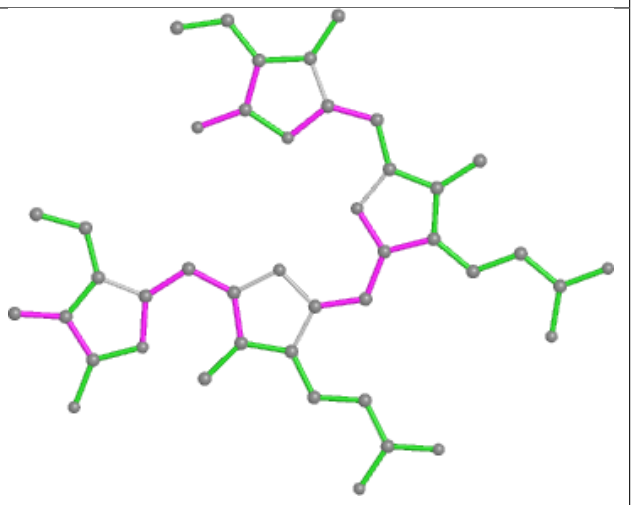

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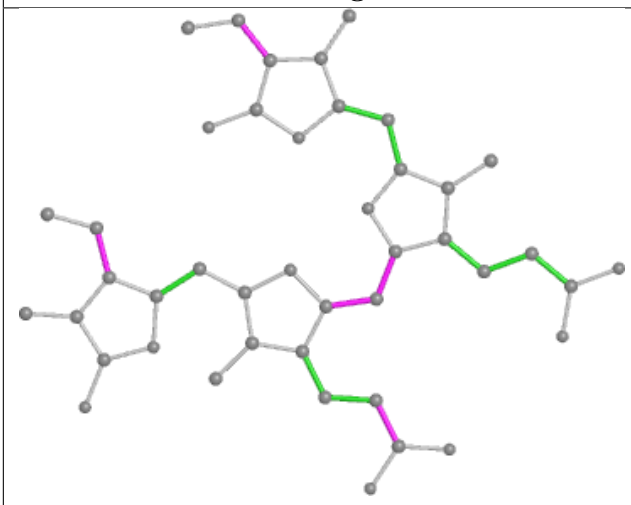

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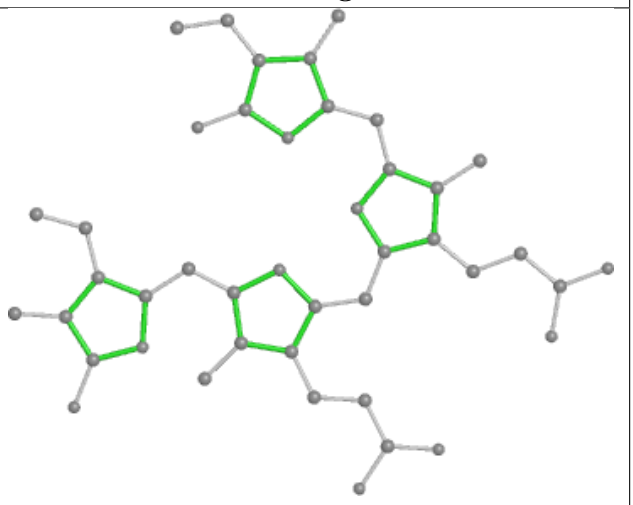
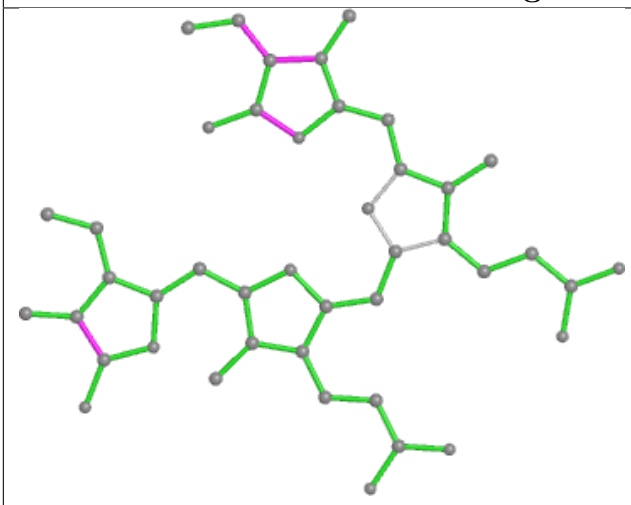


Rings

Ligand PEB i7 201



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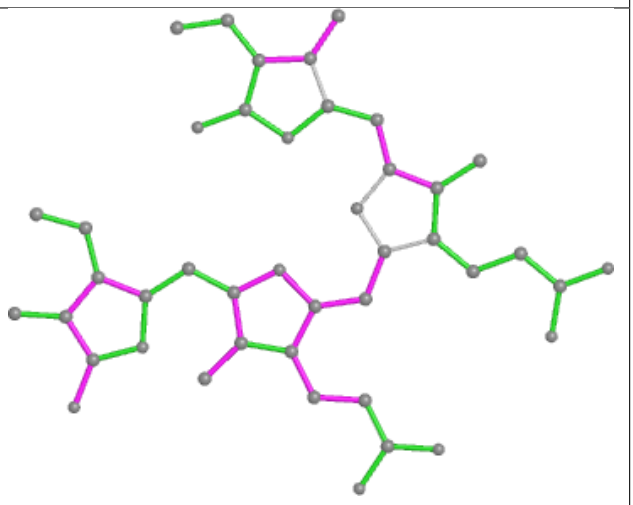

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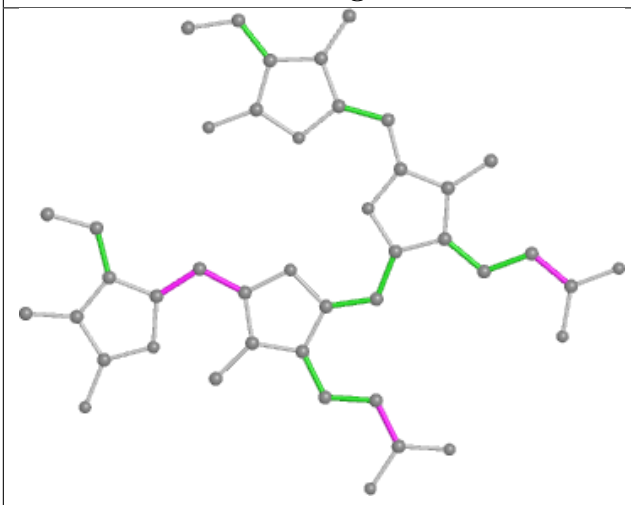

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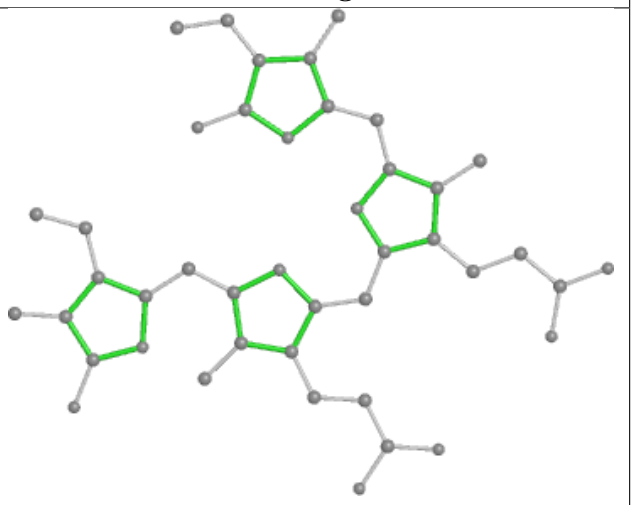

Rings

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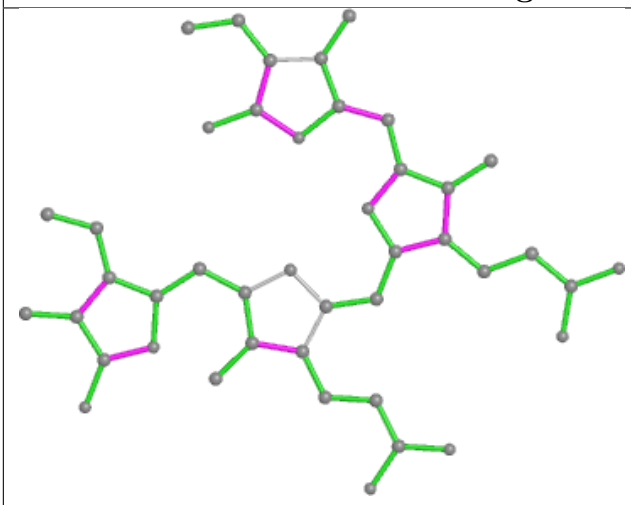

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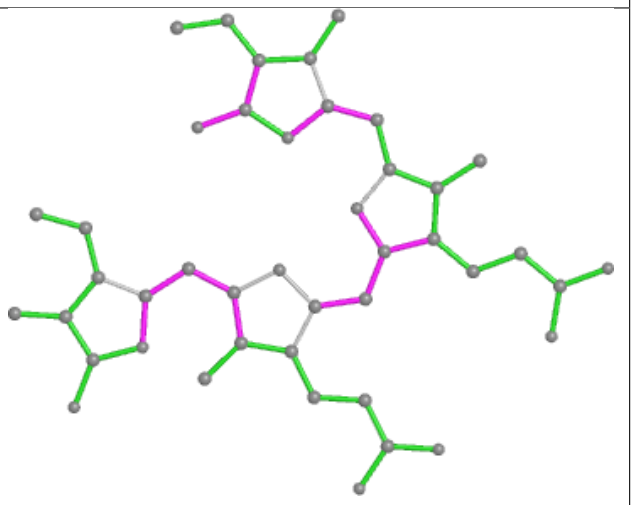
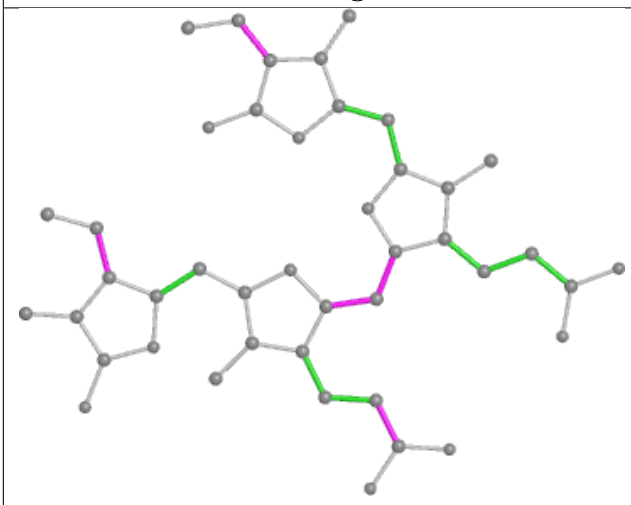
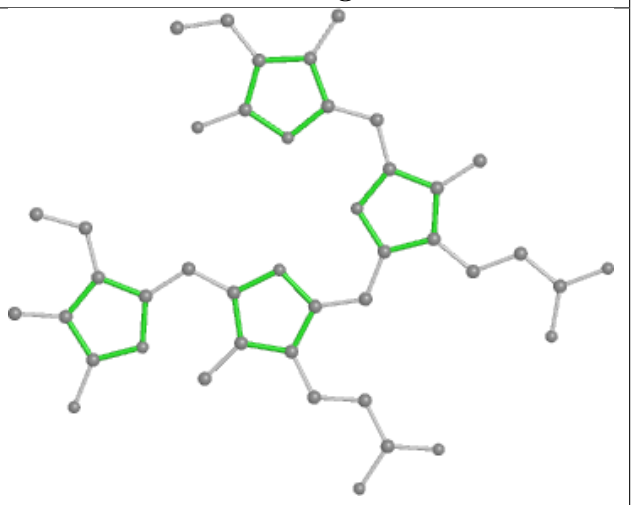


Bond angles

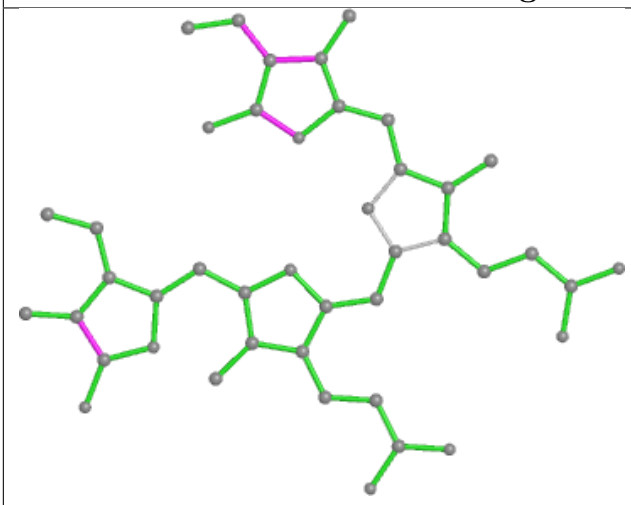


Torsions



Rings

Ligand PEB v2 201



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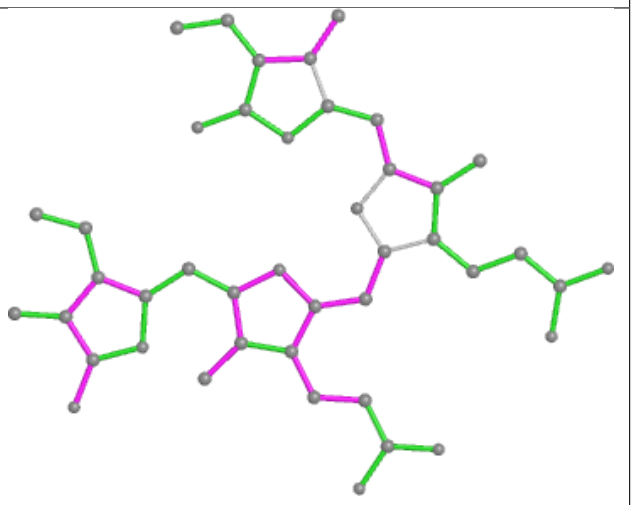

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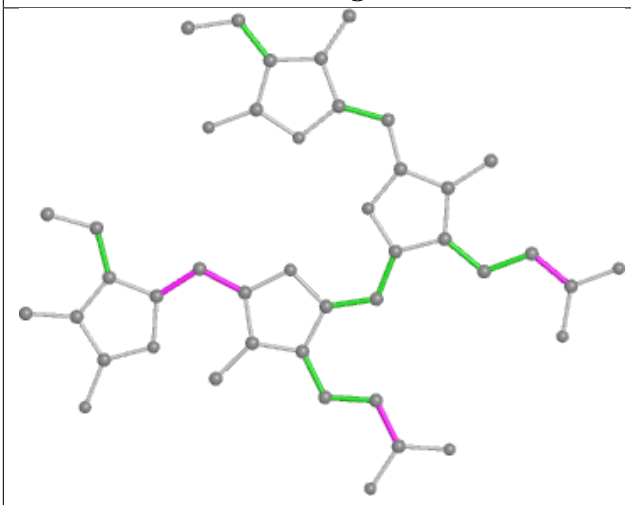

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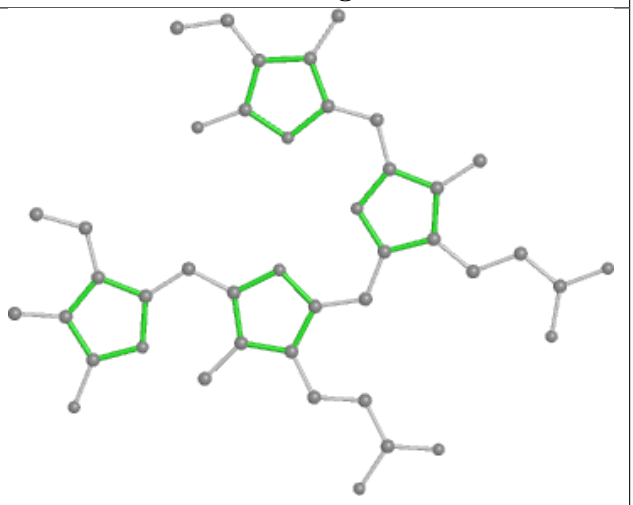
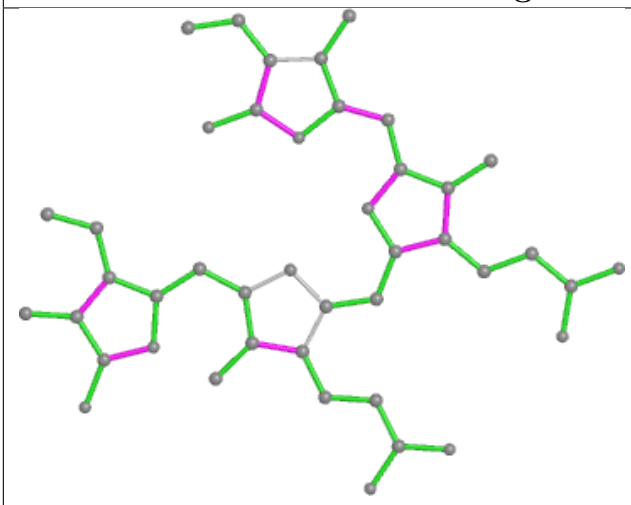


Rings

Ligand PUB T2 203



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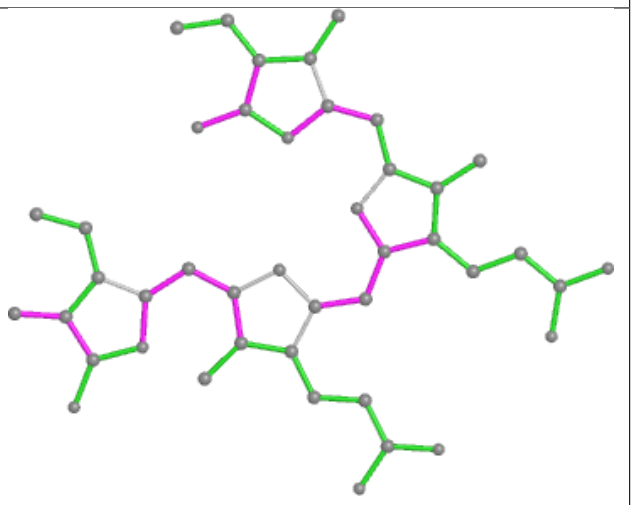

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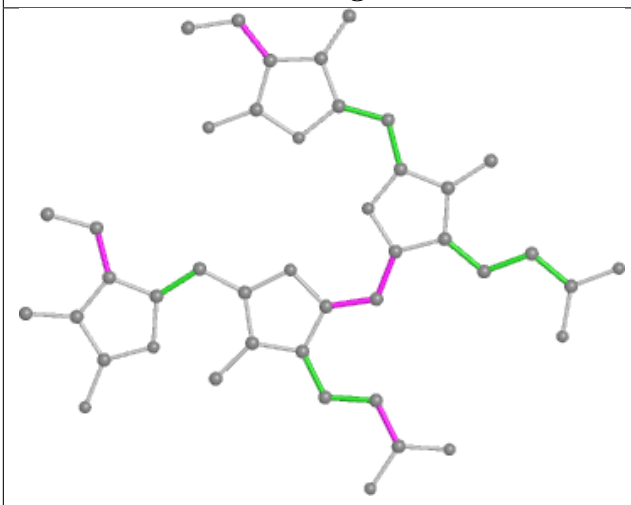

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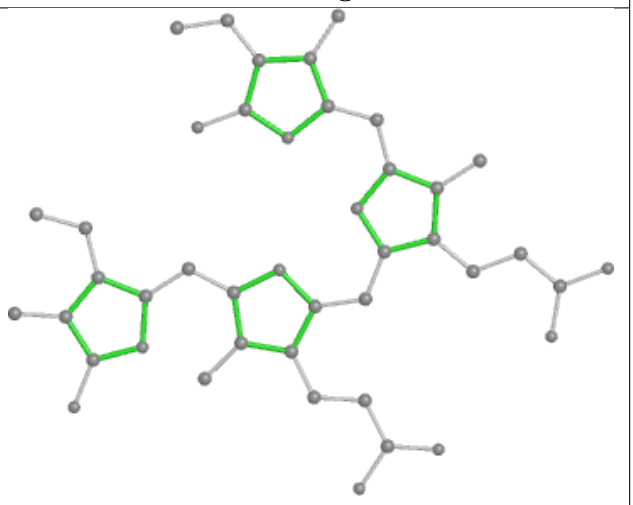

Rings

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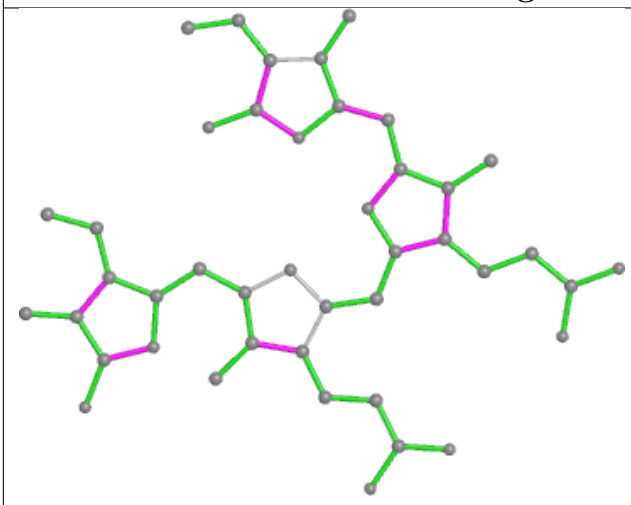

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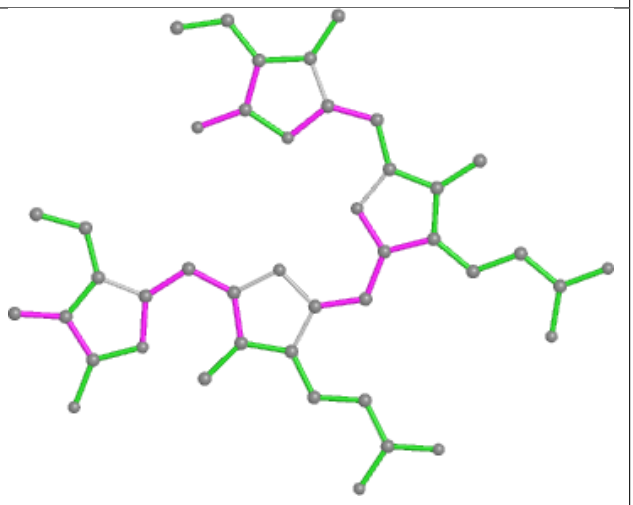

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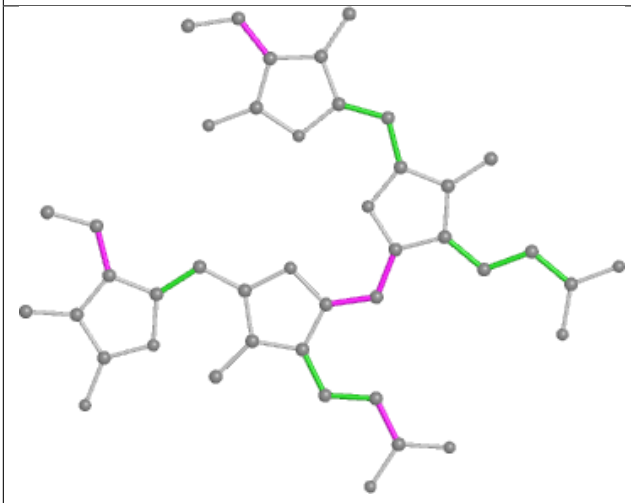

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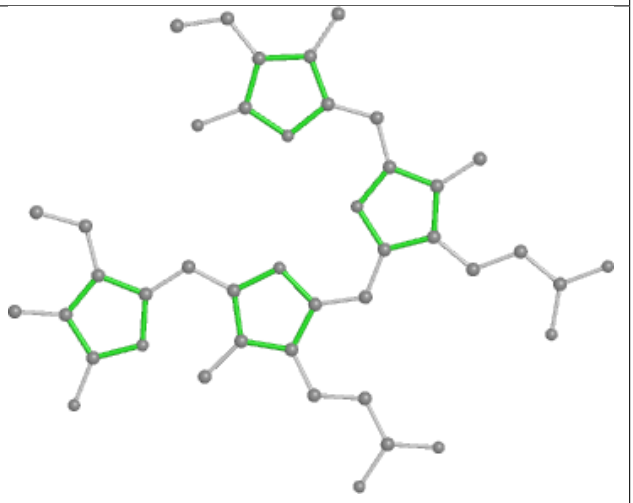
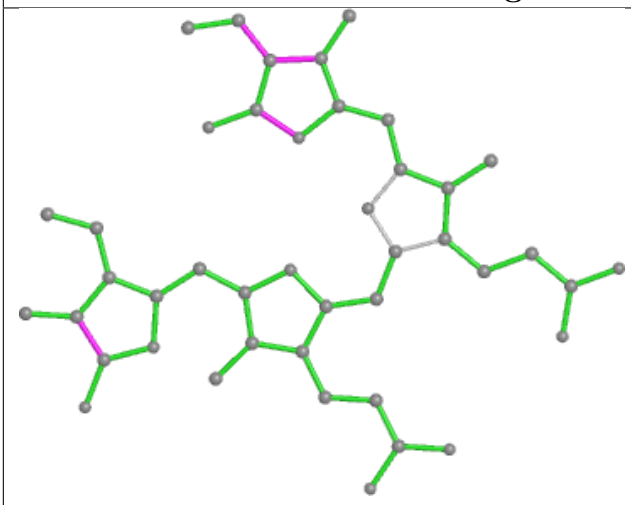


Rings

Ligand PEB m4 1001



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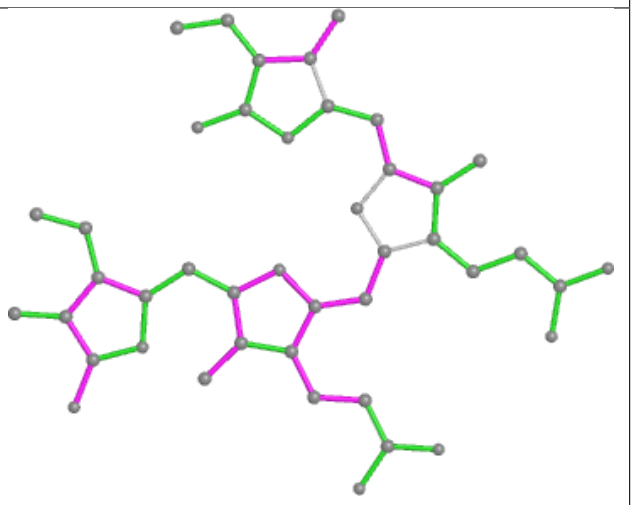

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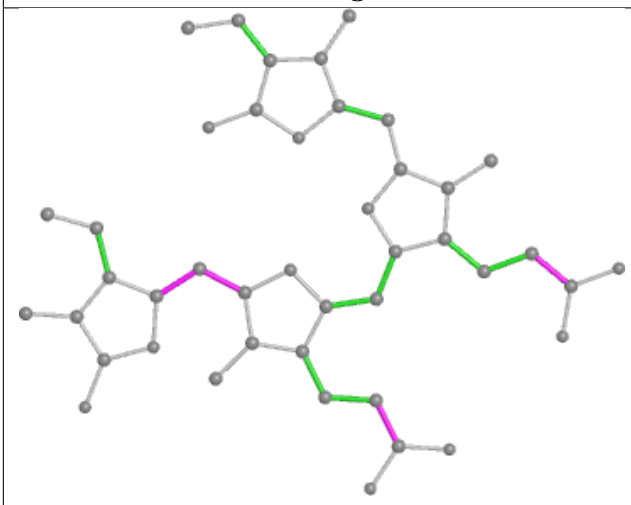

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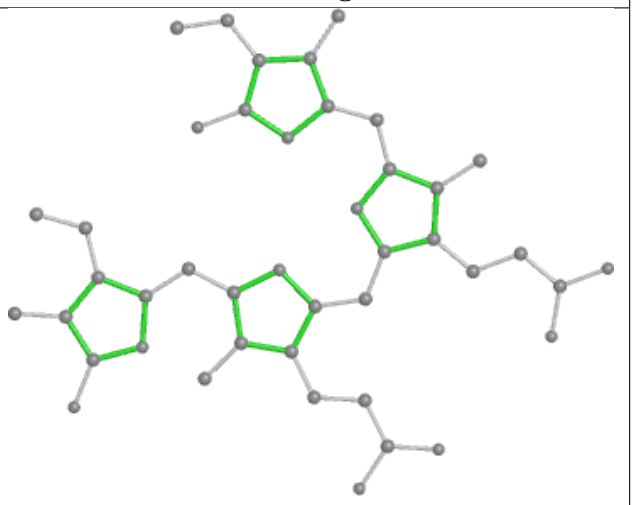

Rings

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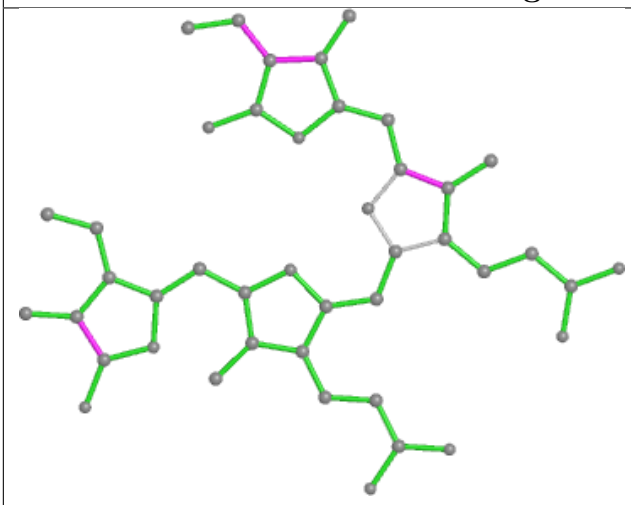

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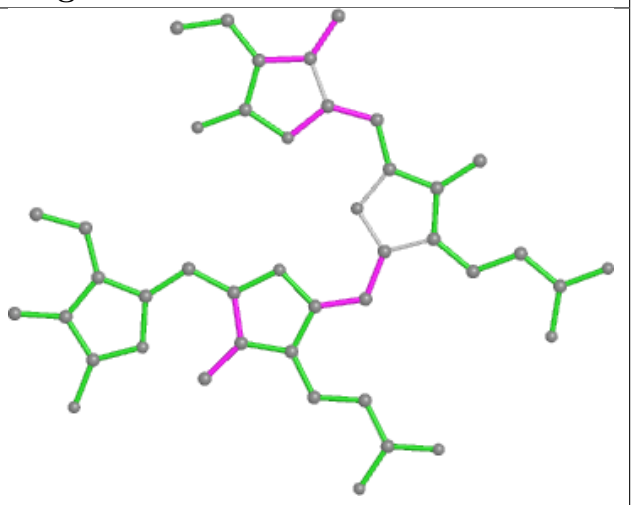

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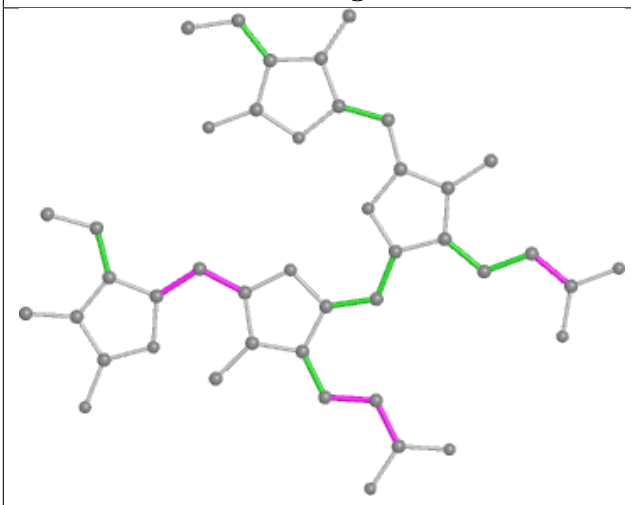

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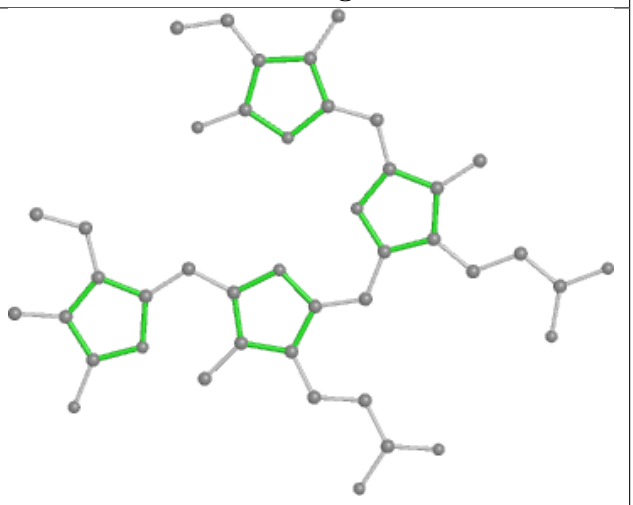

Rings

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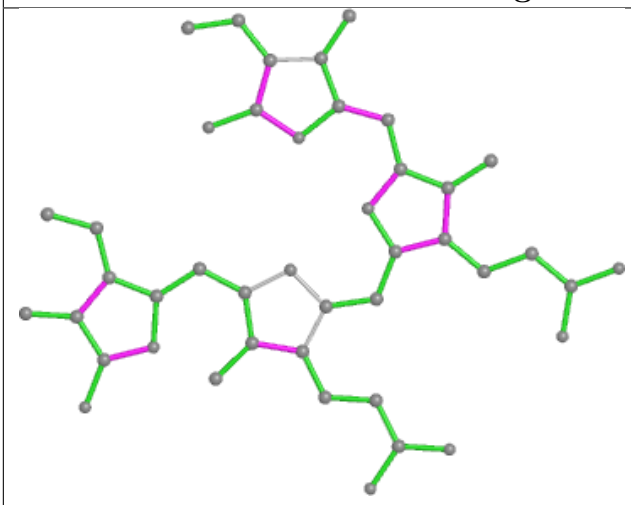

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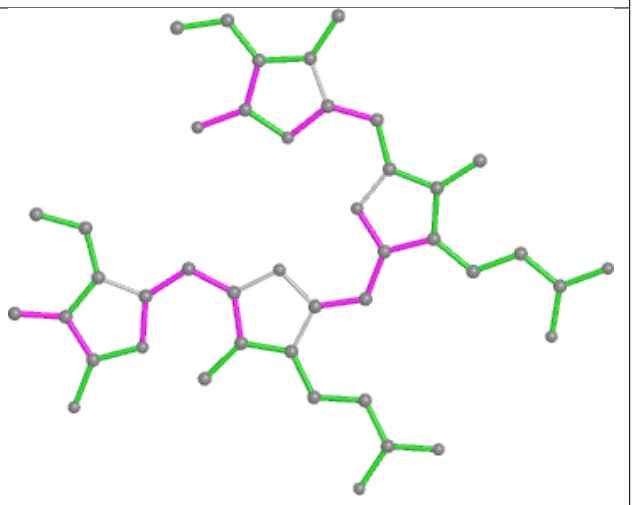

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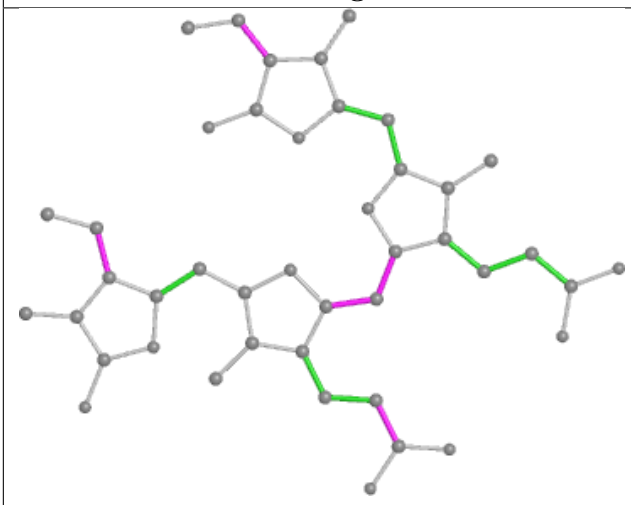

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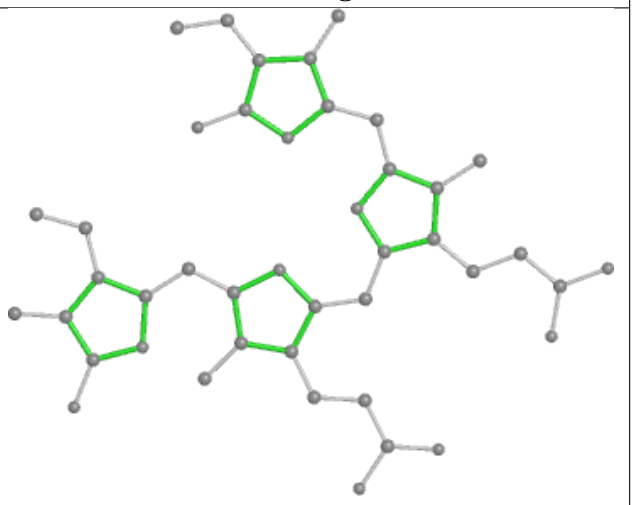
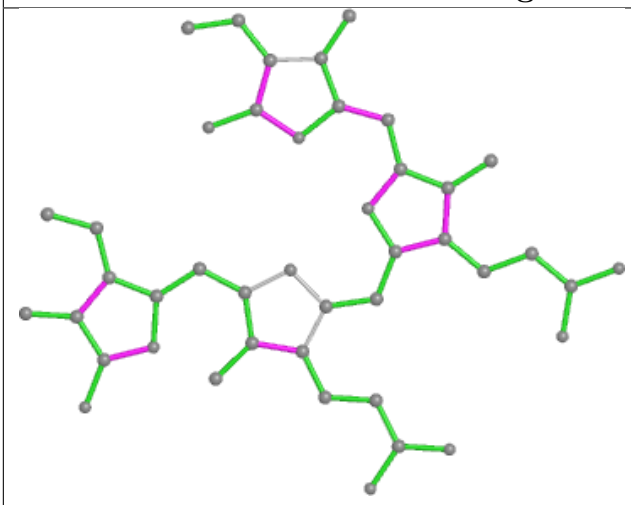


Rings

Ligand PUB p2 203



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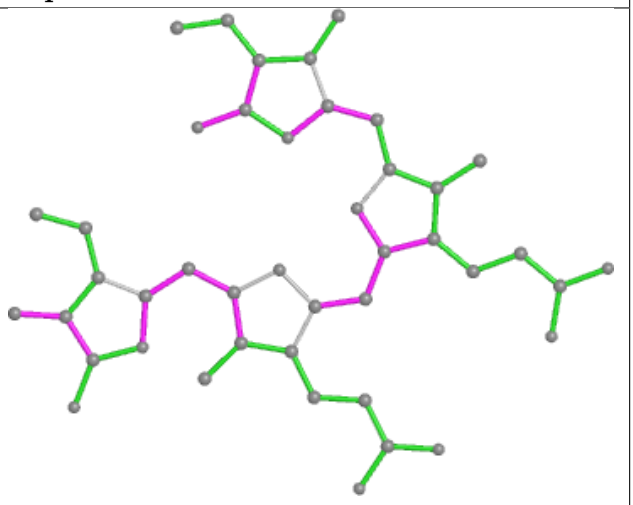

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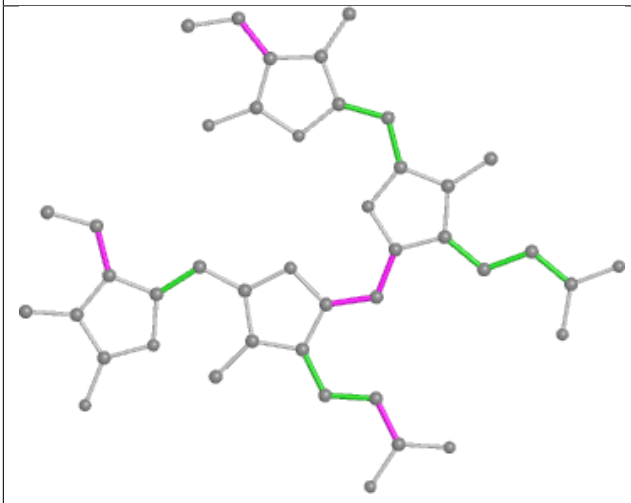

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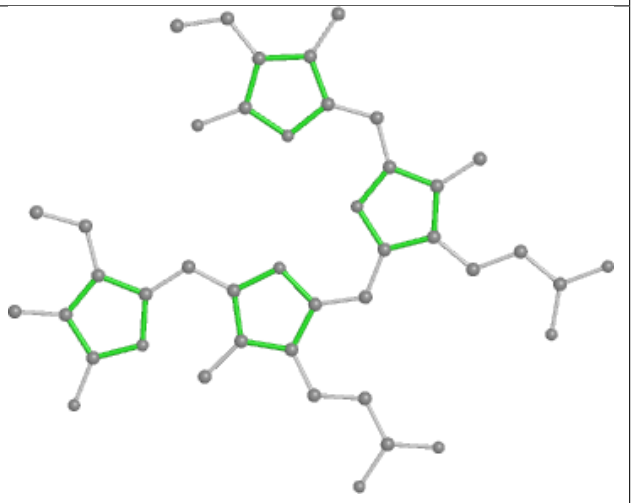
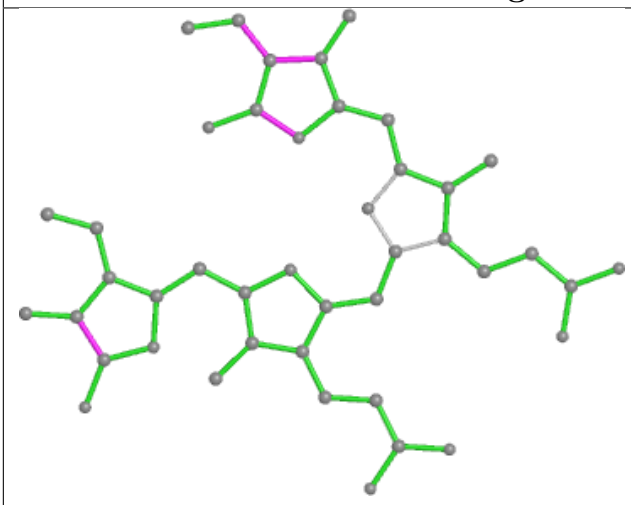


Rings

Ligand PEB E2 1001



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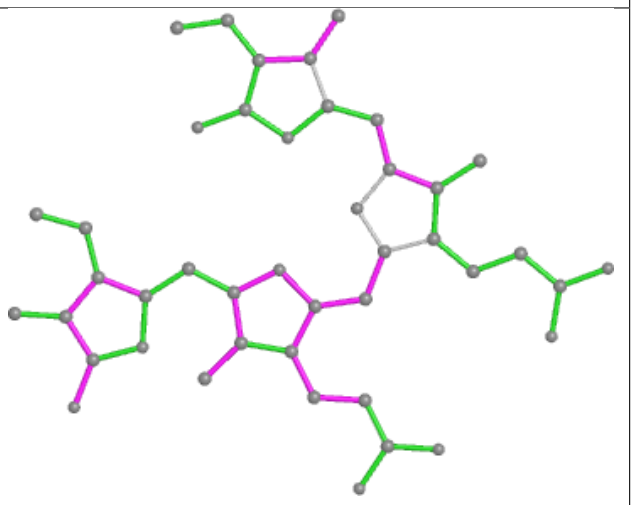

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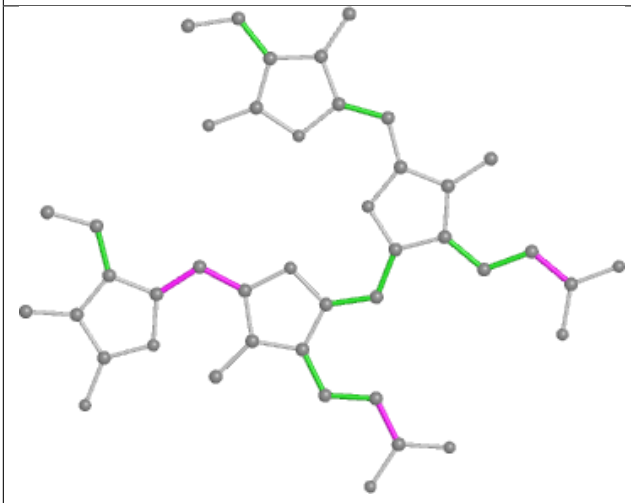

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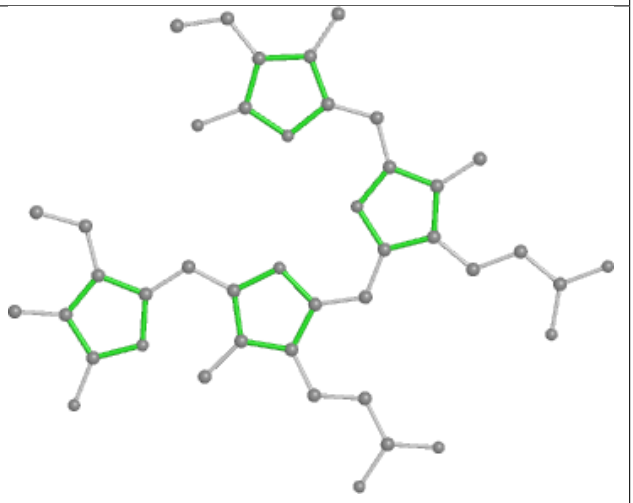

Rings

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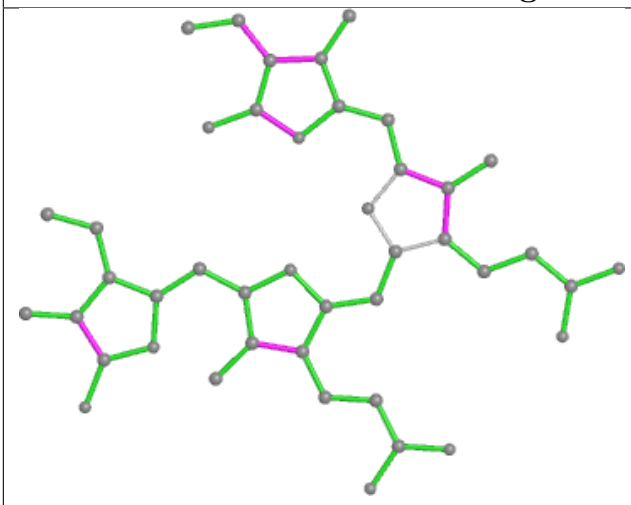

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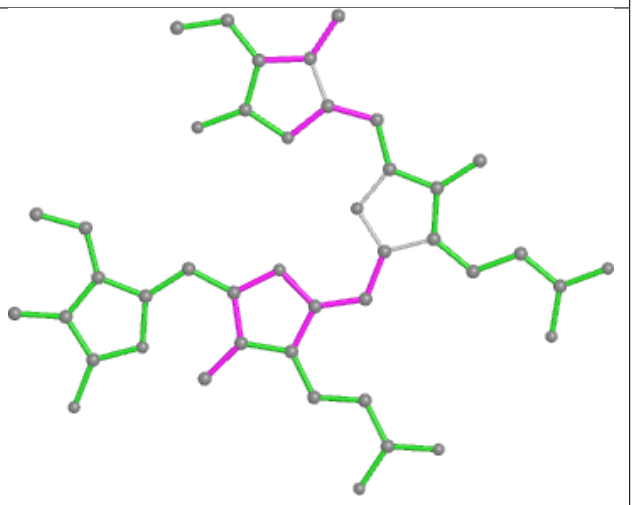

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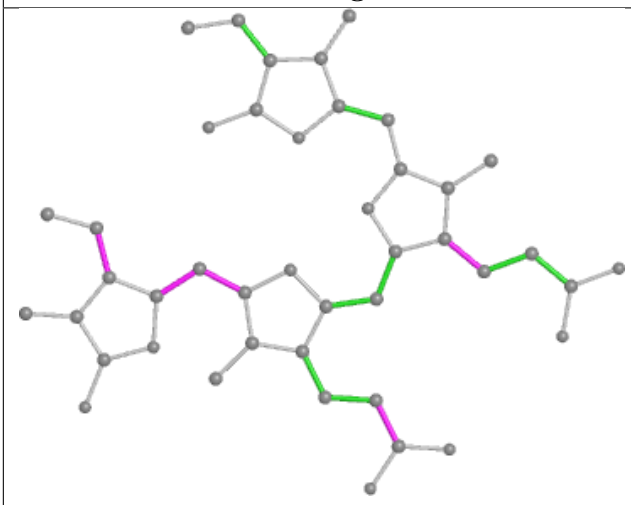

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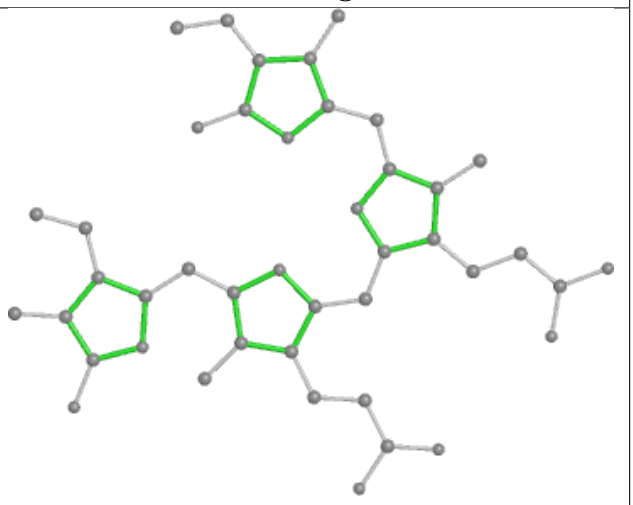
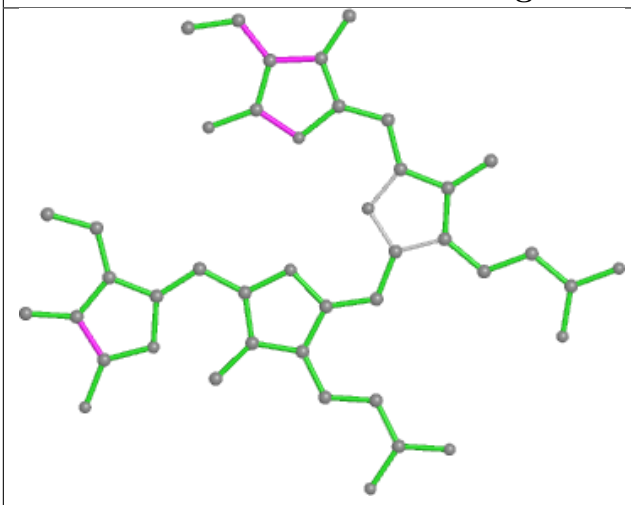


Rings

Ligand PEB X8 201



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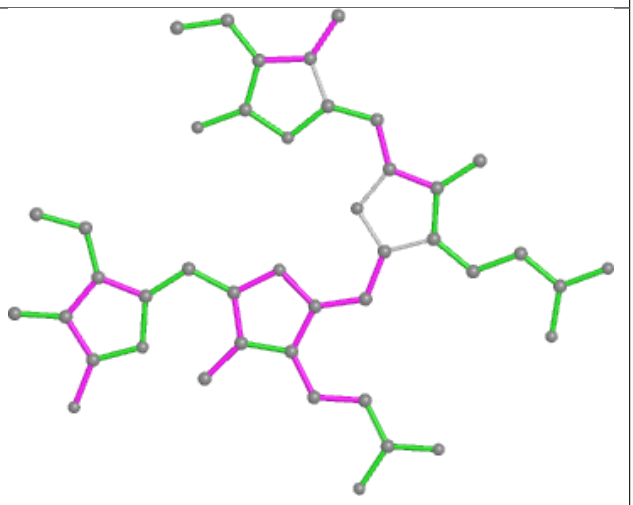

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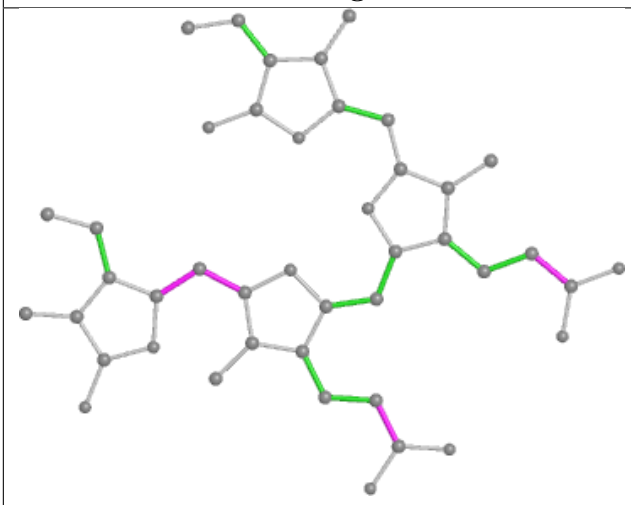

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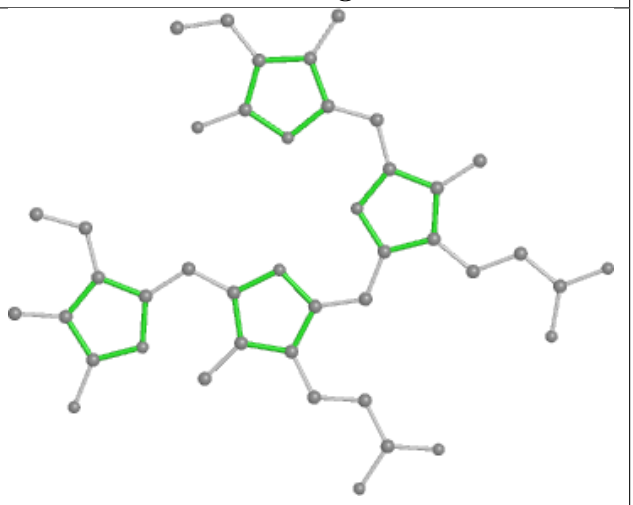

Rings

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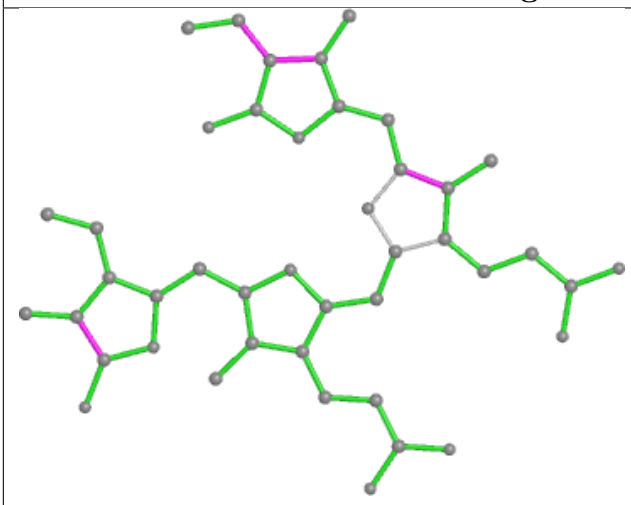

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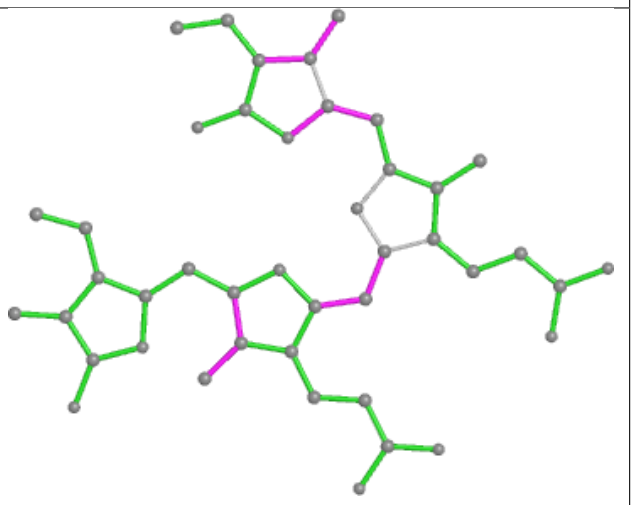

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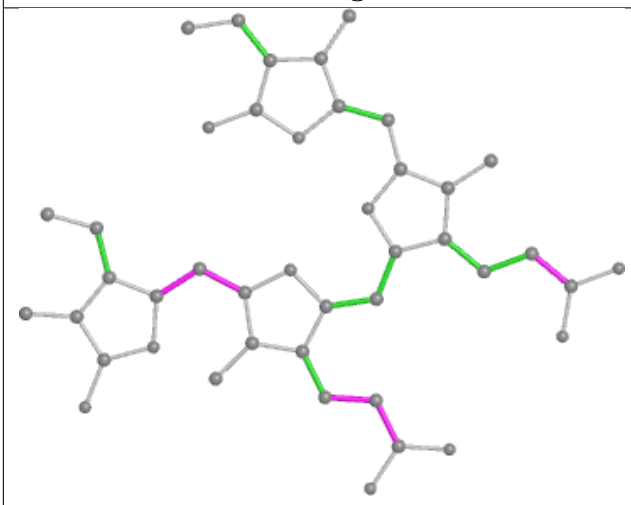

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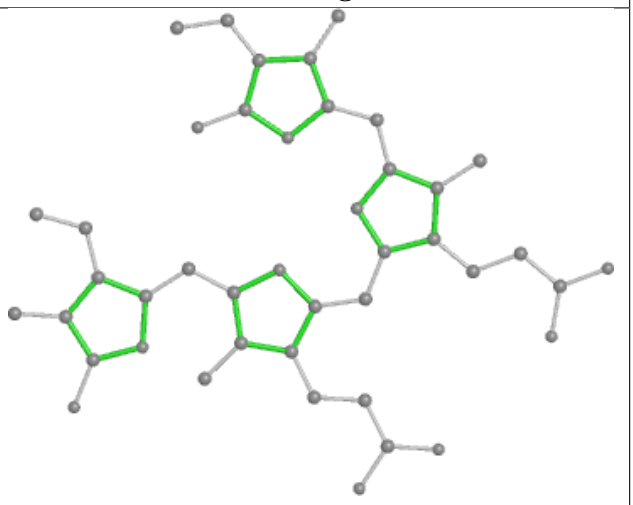

Rings

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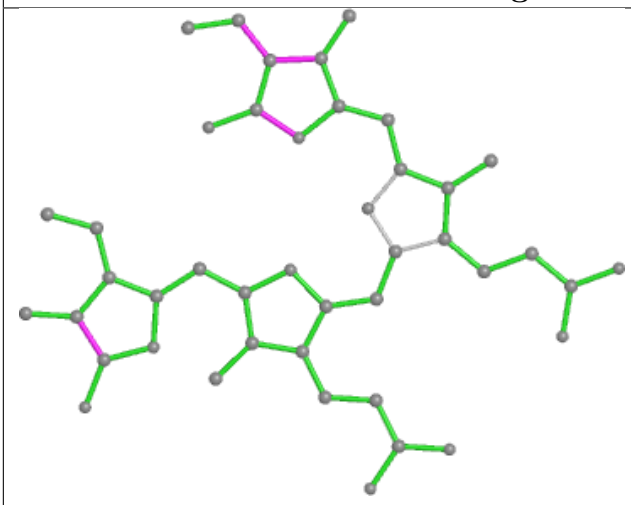

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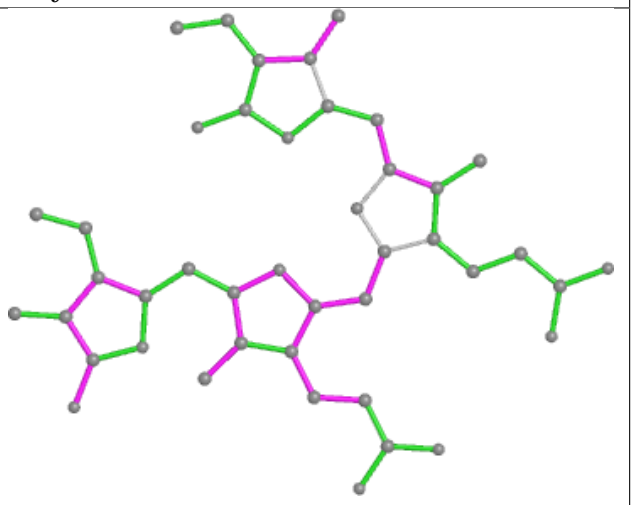

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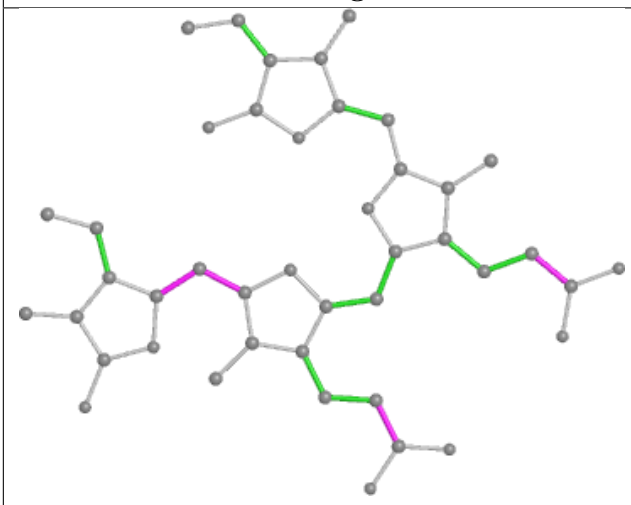

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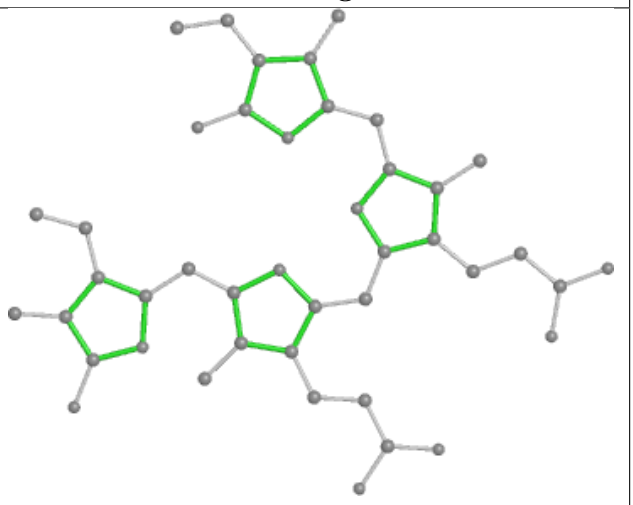
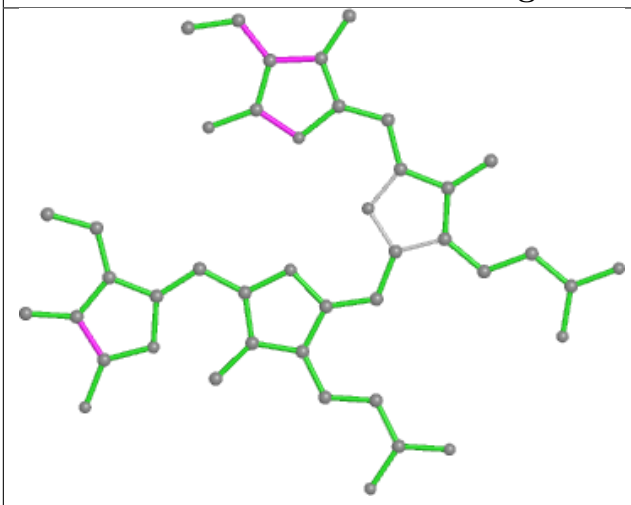


Rings

Ligand PEB L9 201



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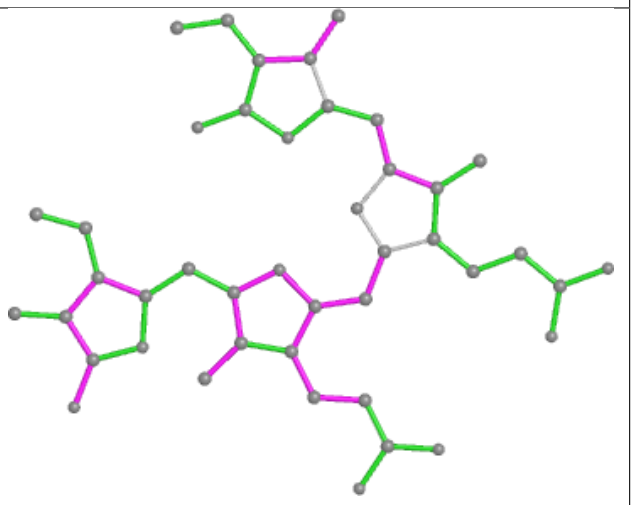
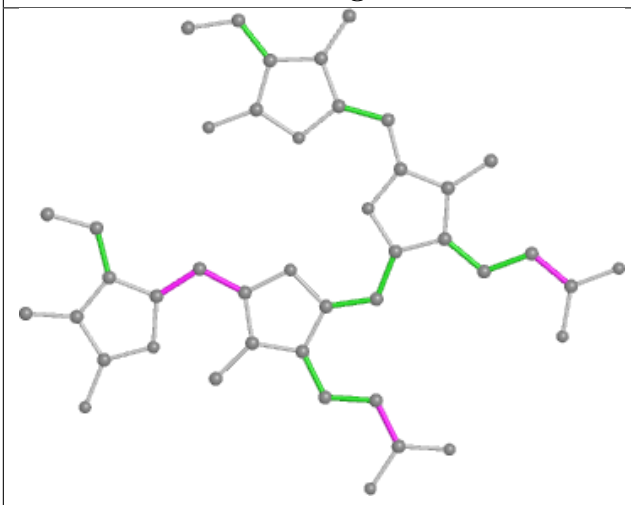
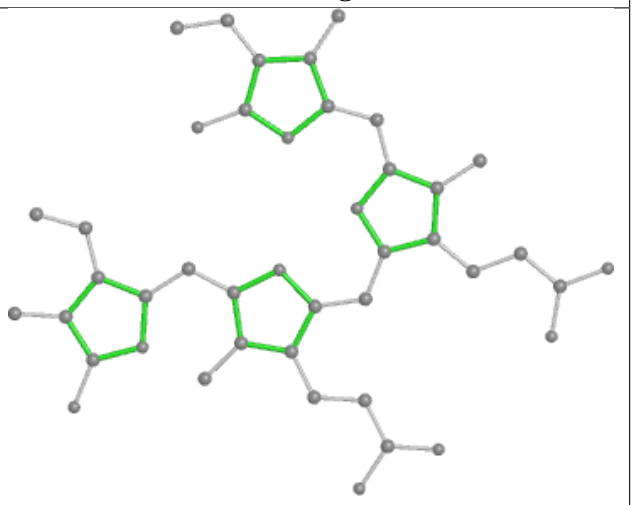


Bond angles

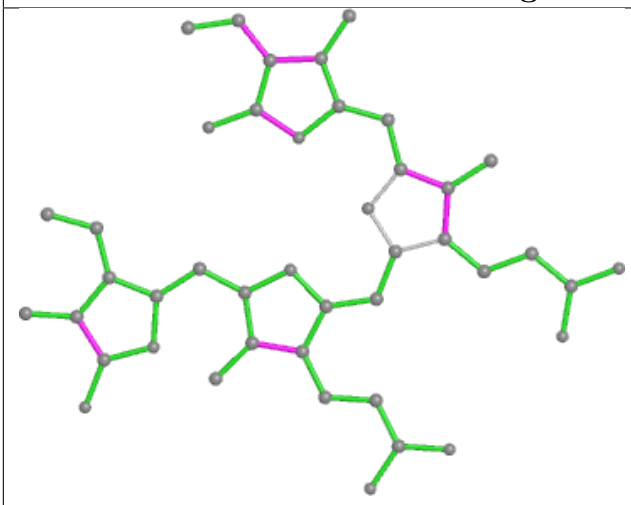


Torsions



Rings

Ligand PEB ev 202



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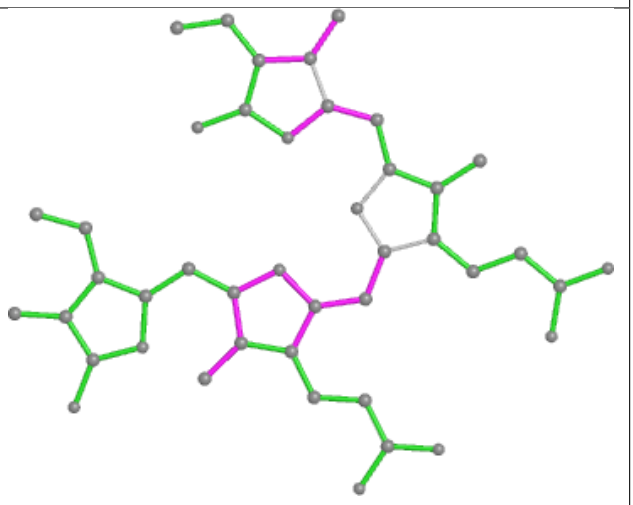

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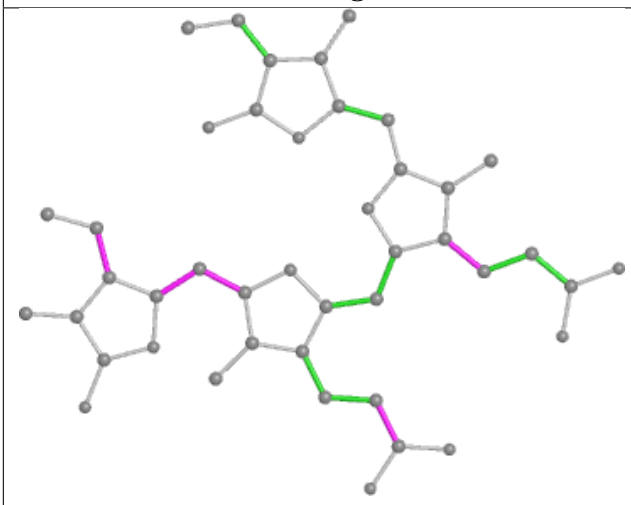

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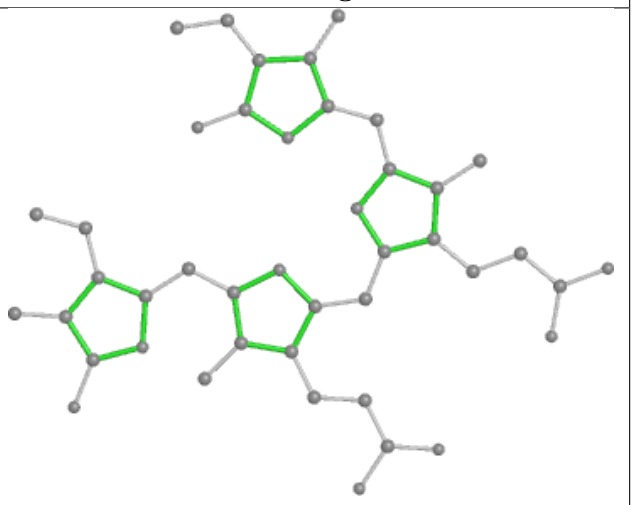
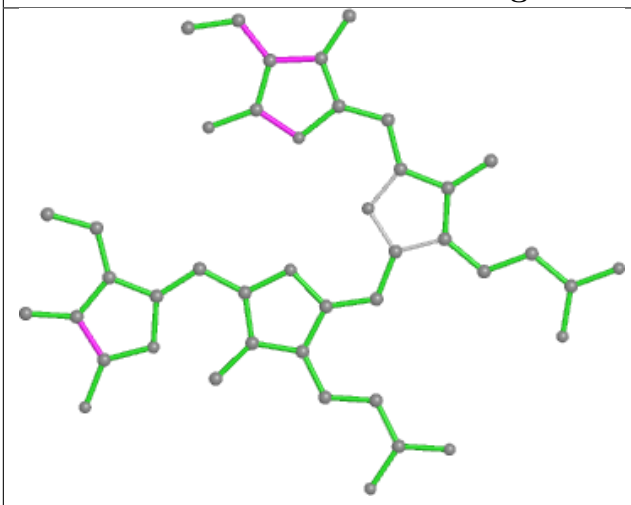


Rings

Ligand PEB y4 1001



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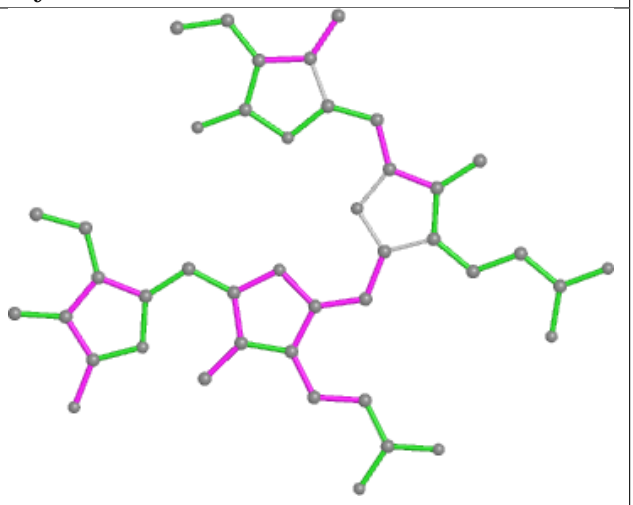

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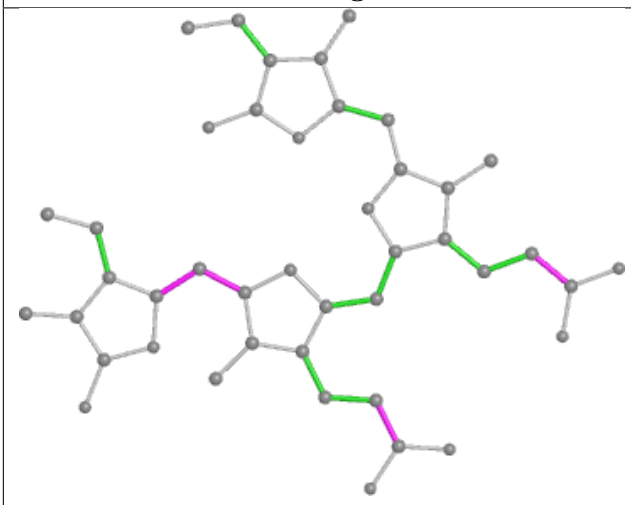

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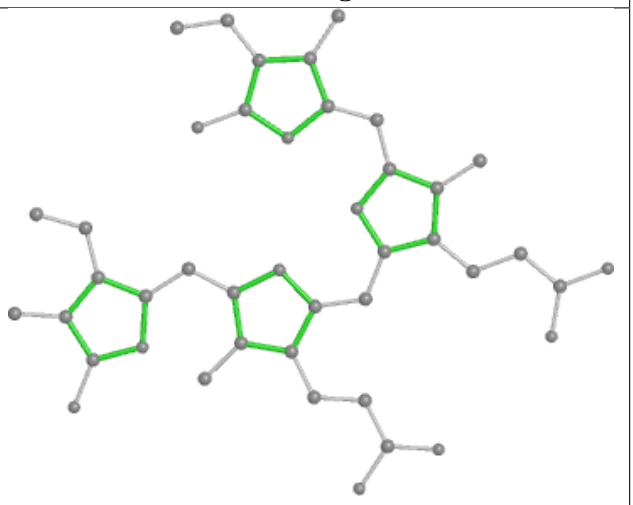
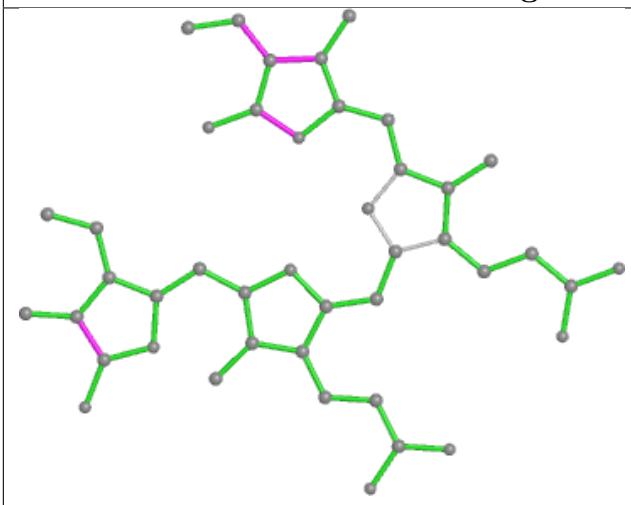


Rings

Ligand PEB e5 201



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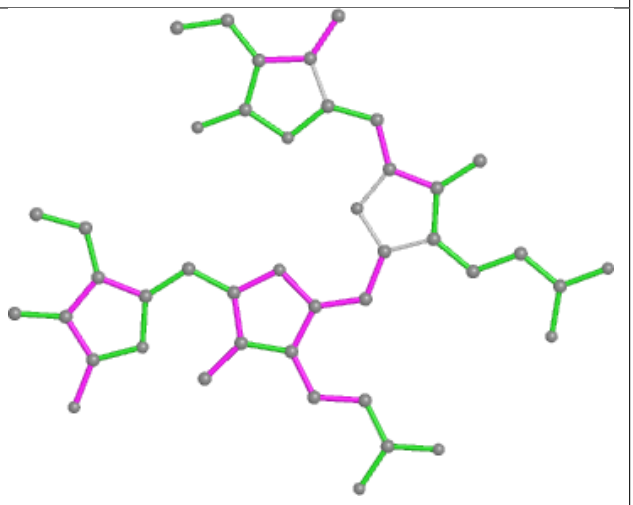

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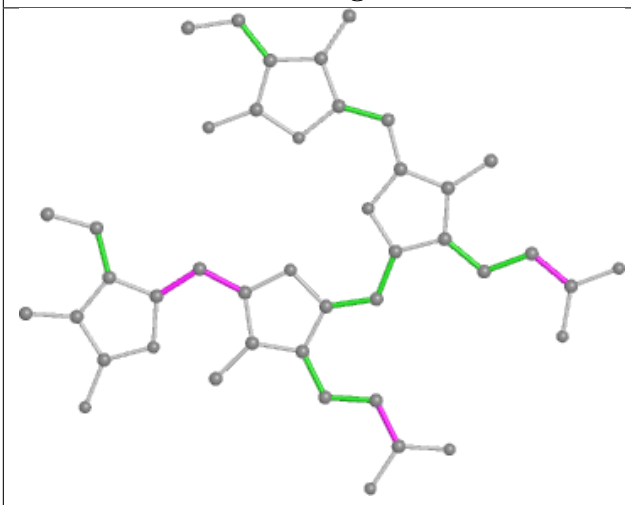

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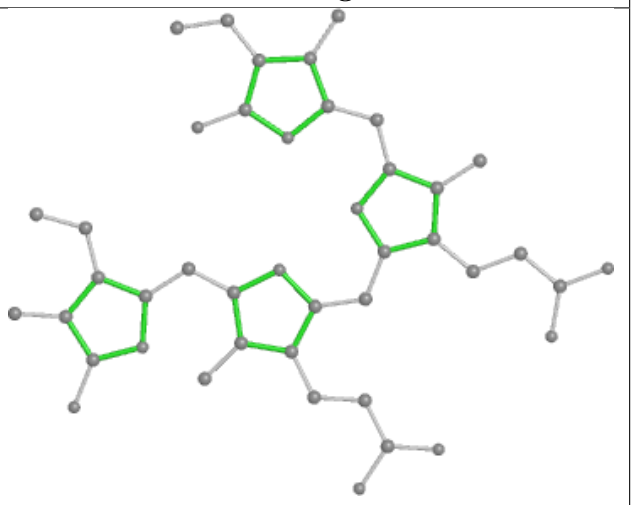
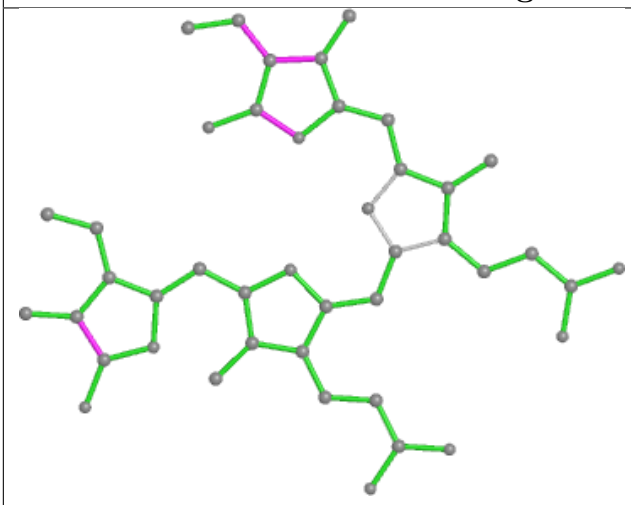


Rings

Ligand PEB aB 201



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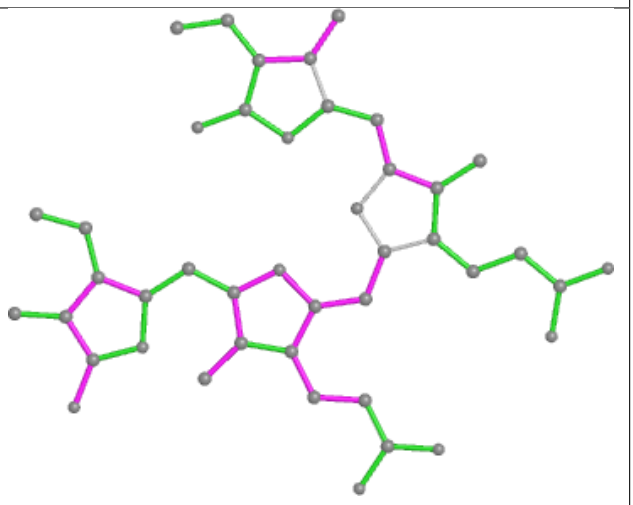

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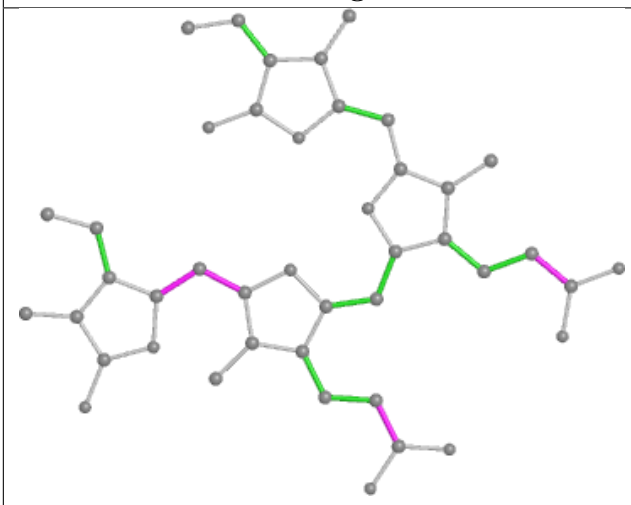

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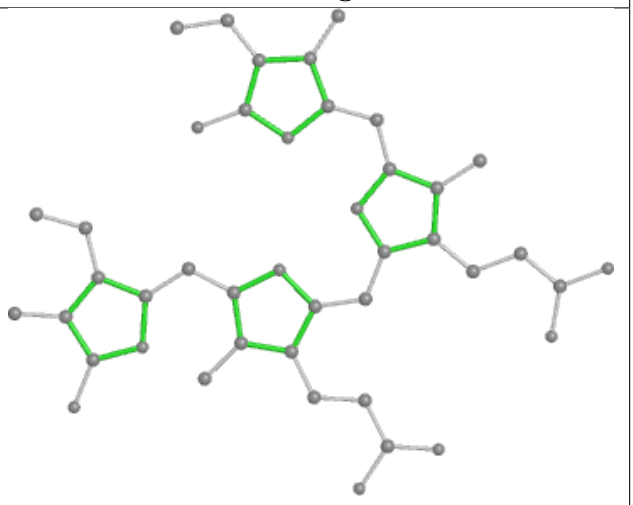

Rings

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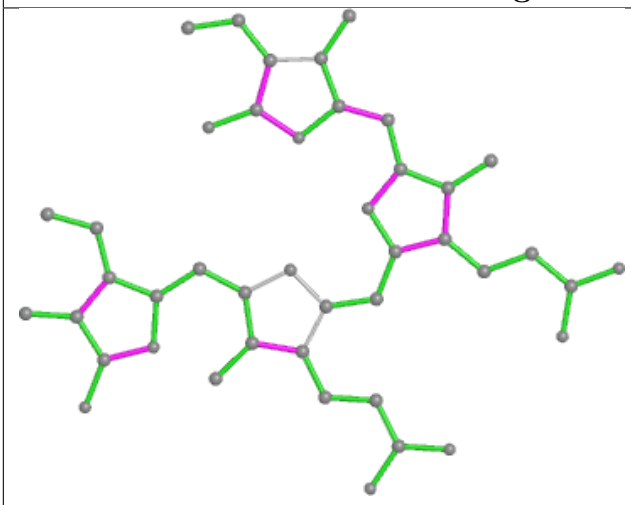

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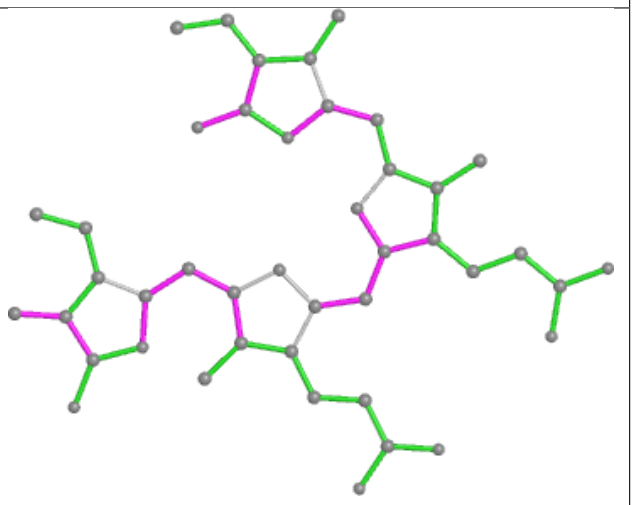

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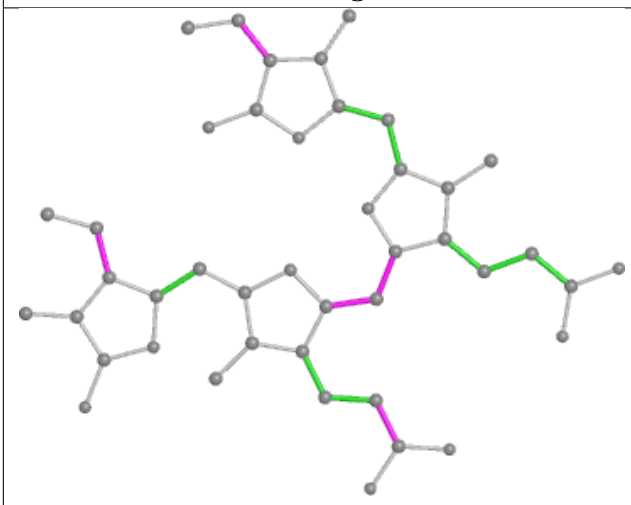

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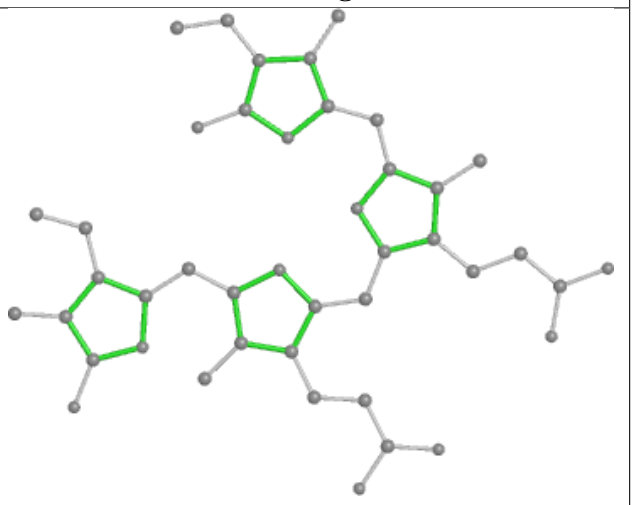

Rings

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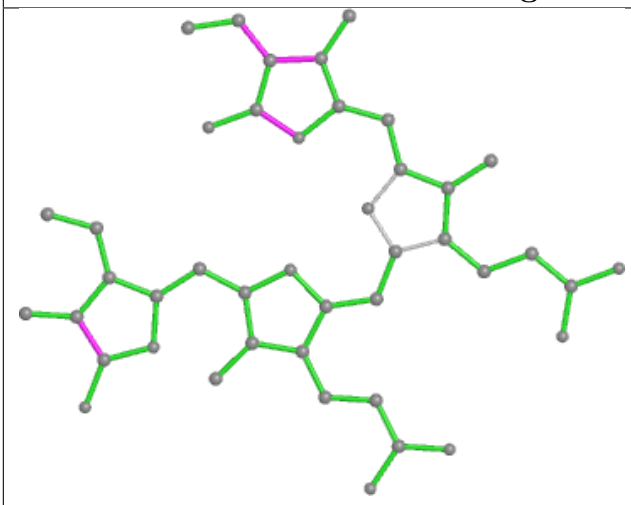

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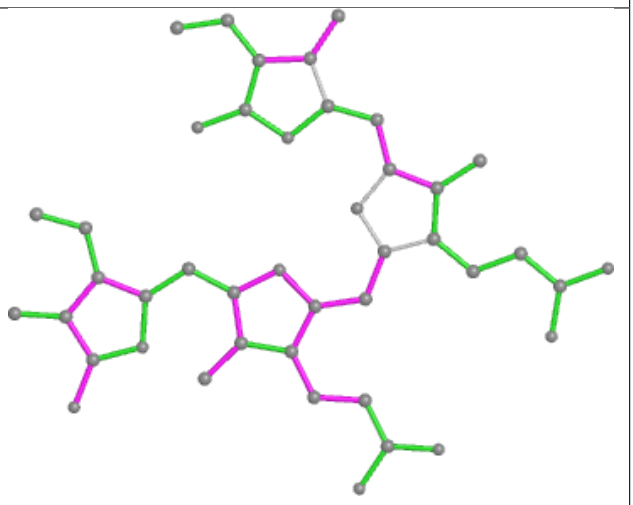

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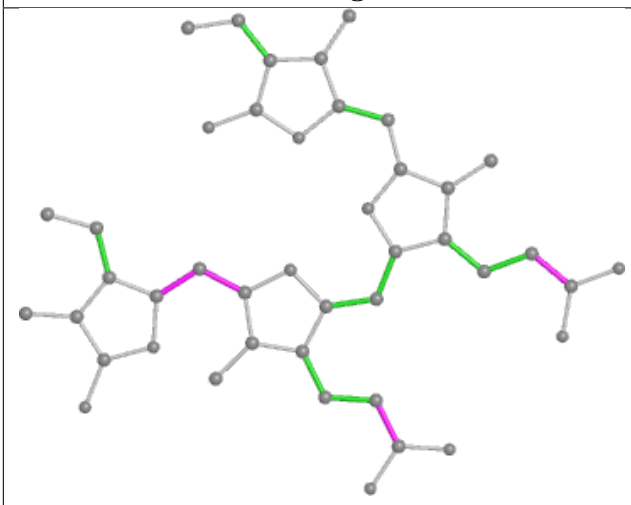

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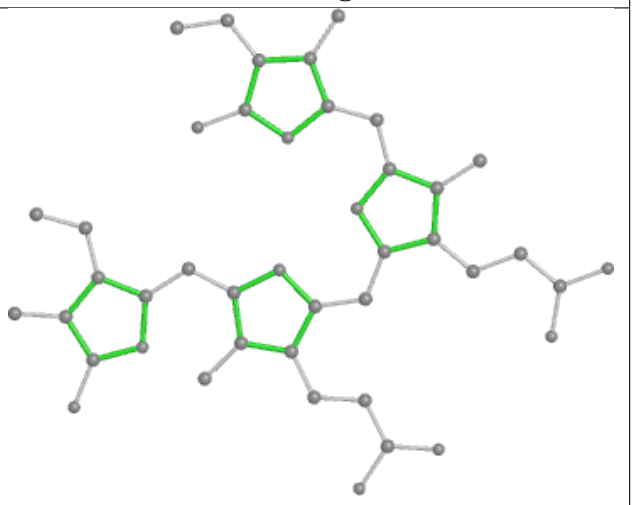
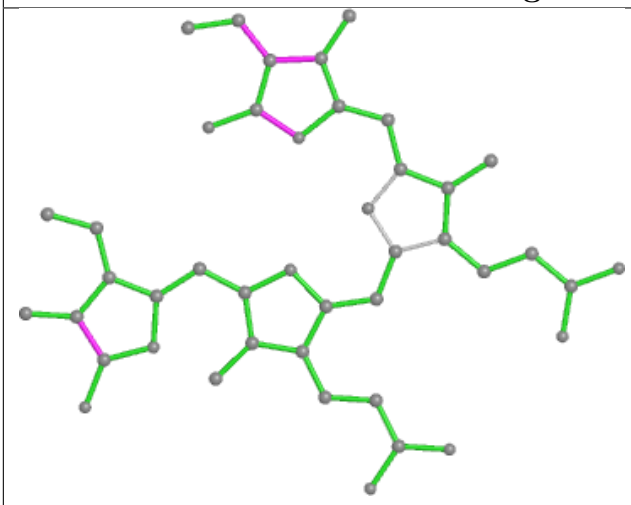


Rings

Ligand PEB j8 201



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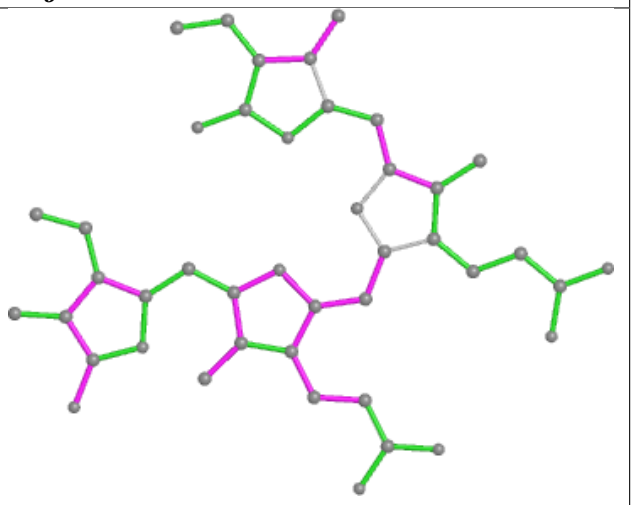

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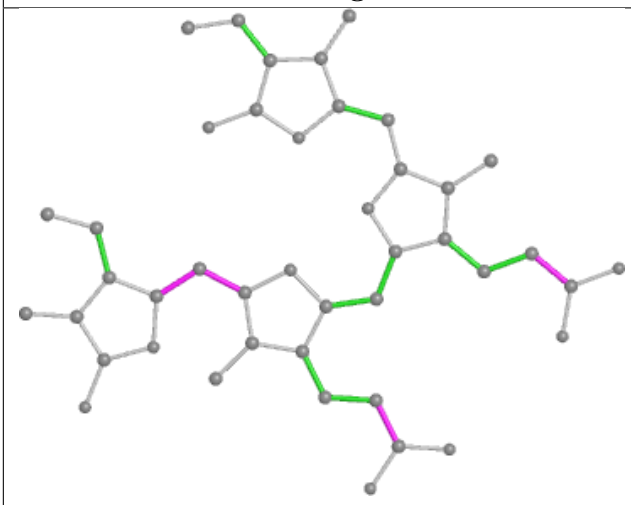

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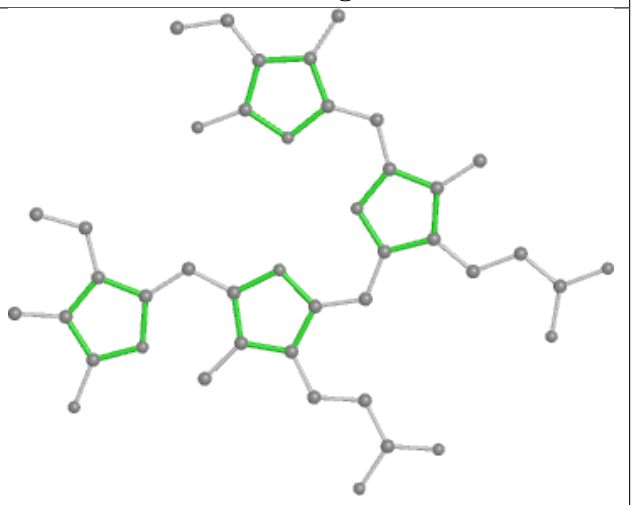
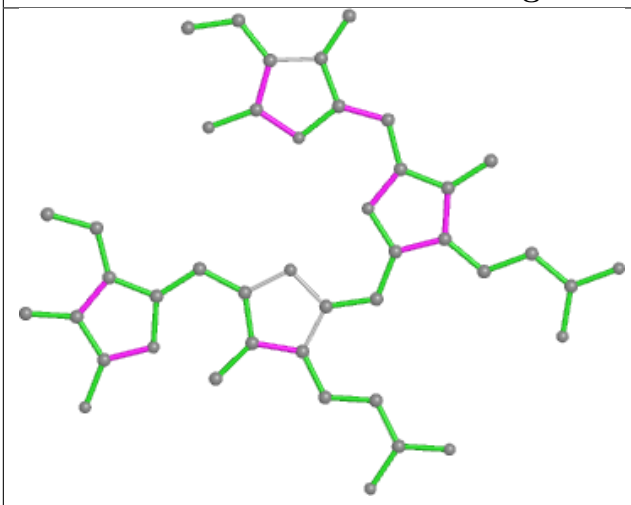


Rings

Ligand PUB el 203



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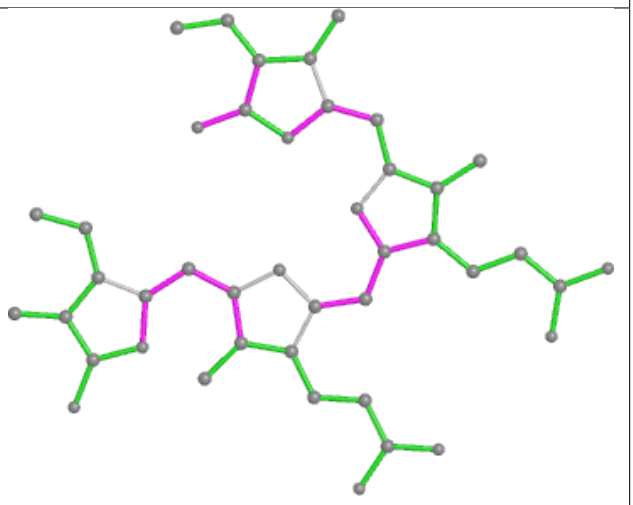

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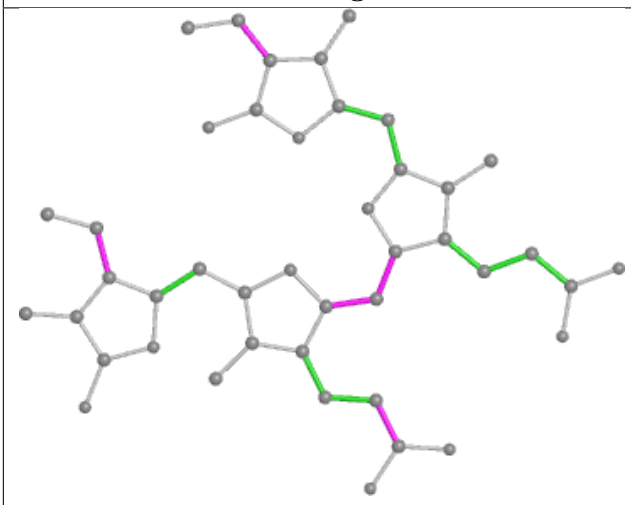

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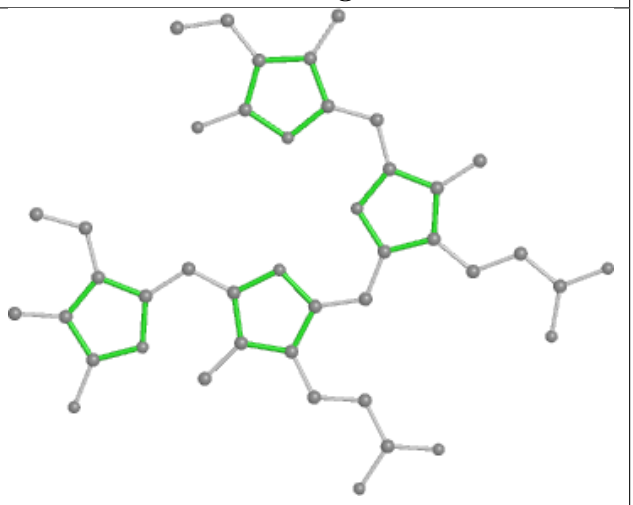

Rings

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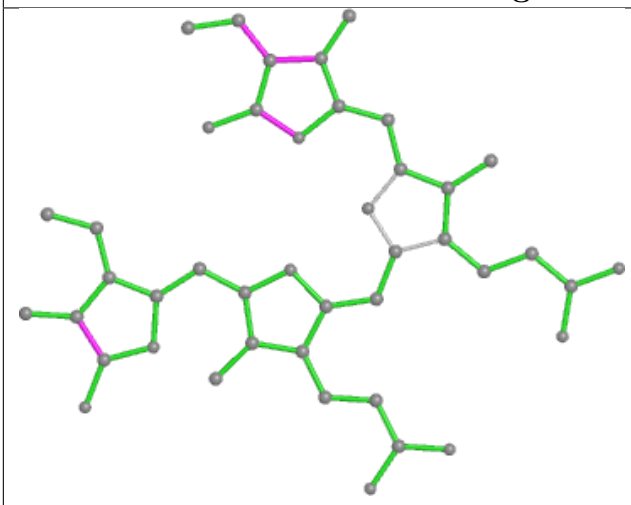

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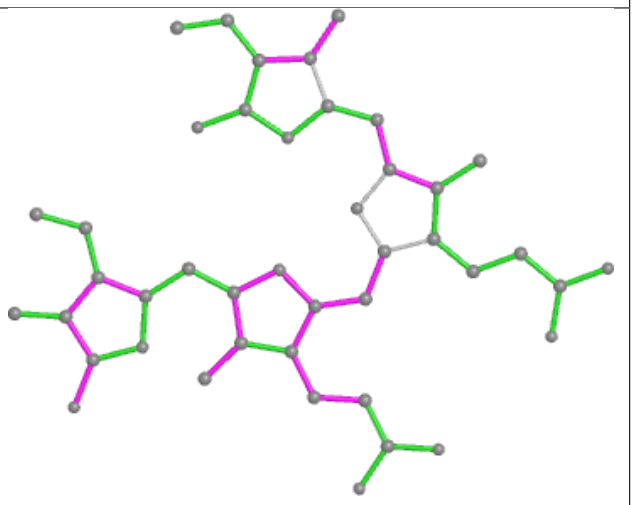

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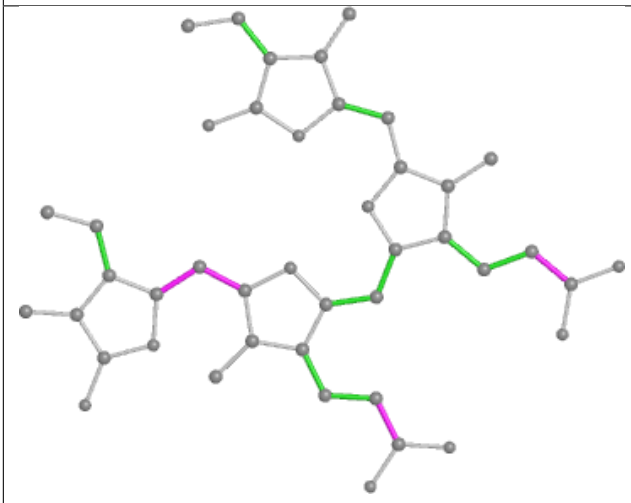

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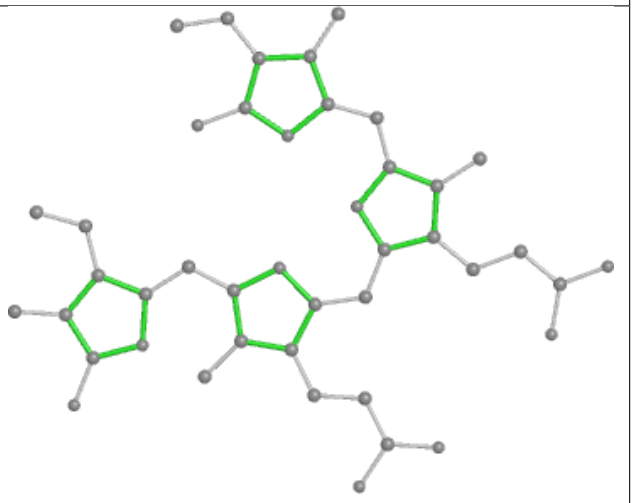

Rings

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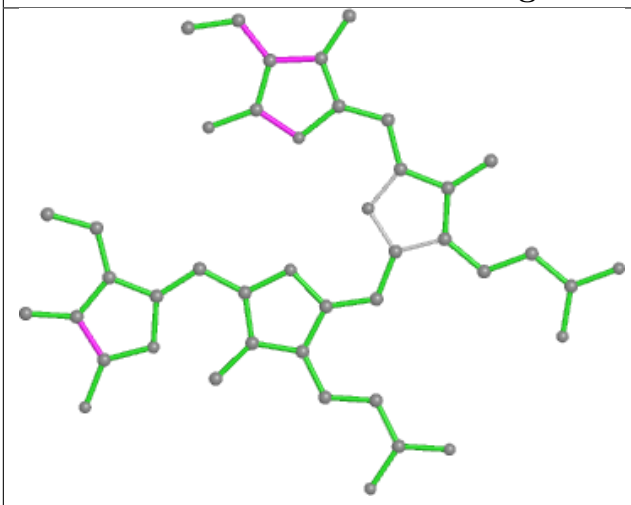

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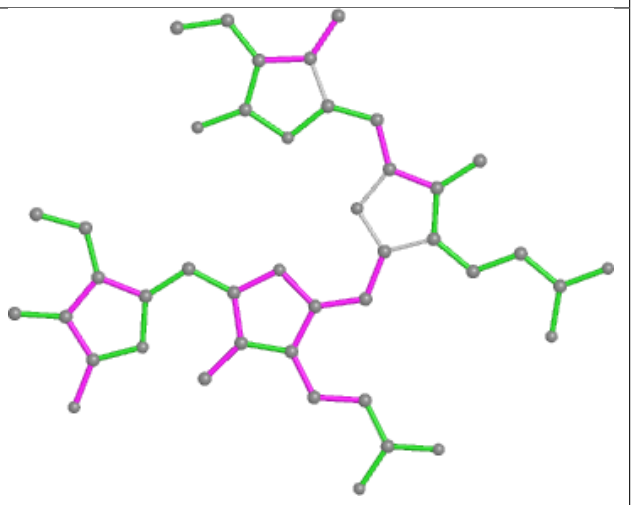

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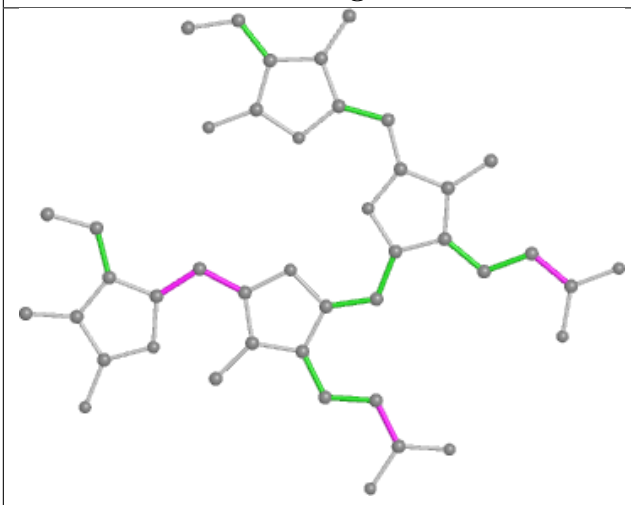

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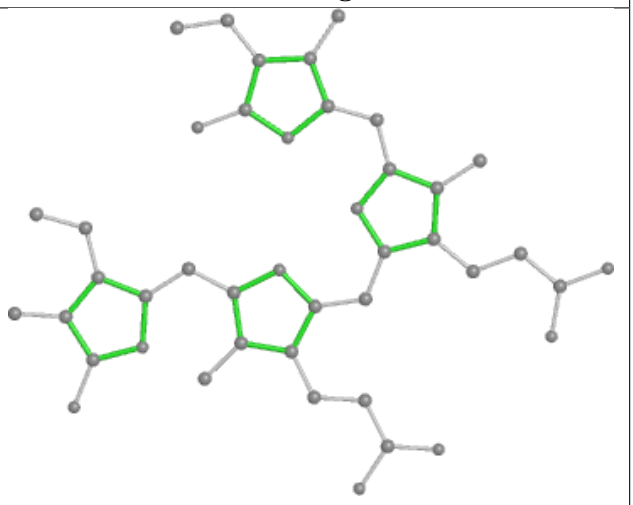
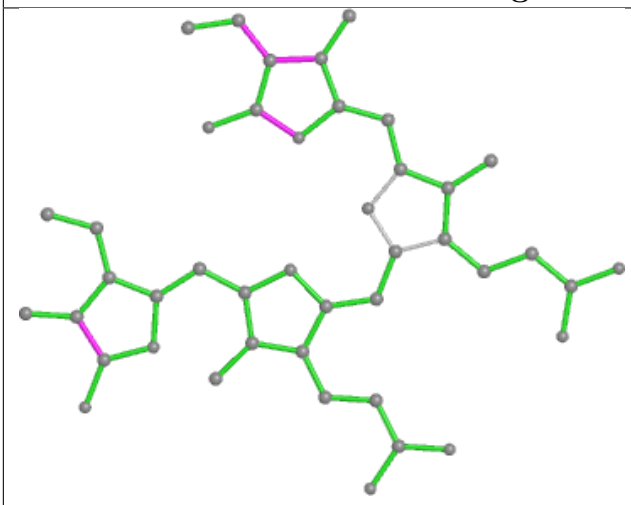


Rings

Ligand PEB cW 202



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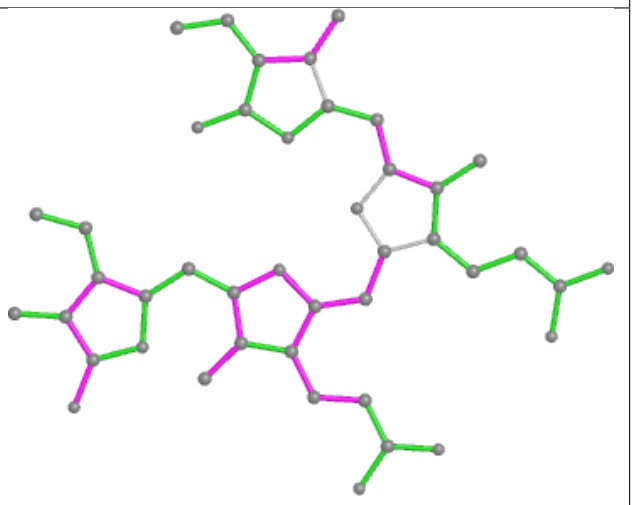

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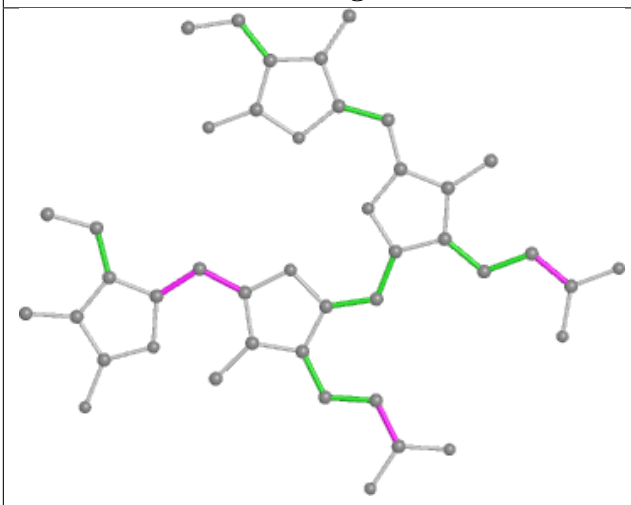

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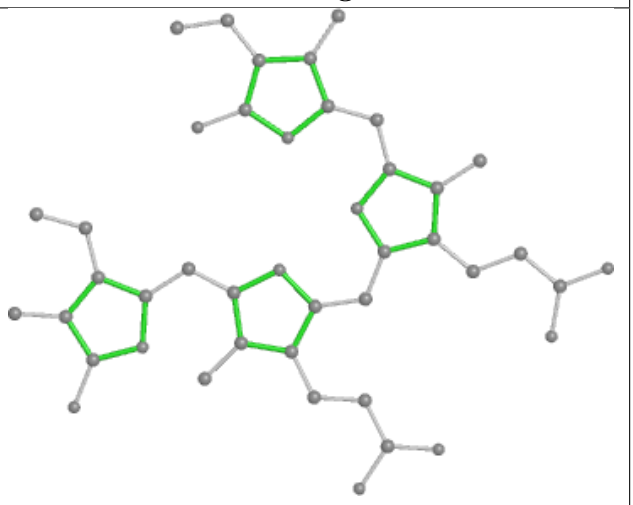
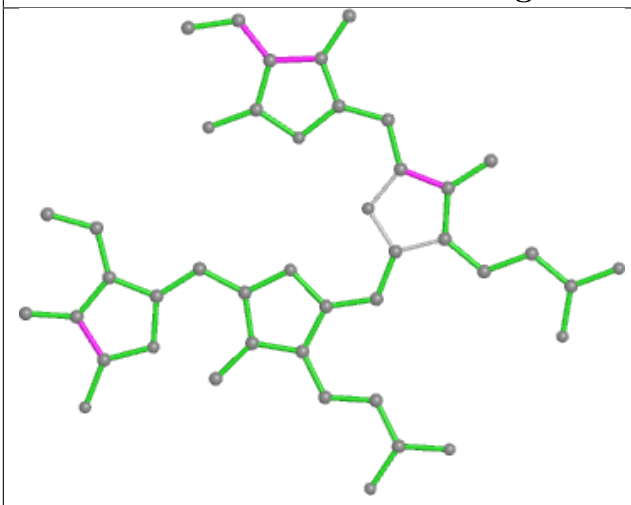


Rings

Ligand PEB U7 202



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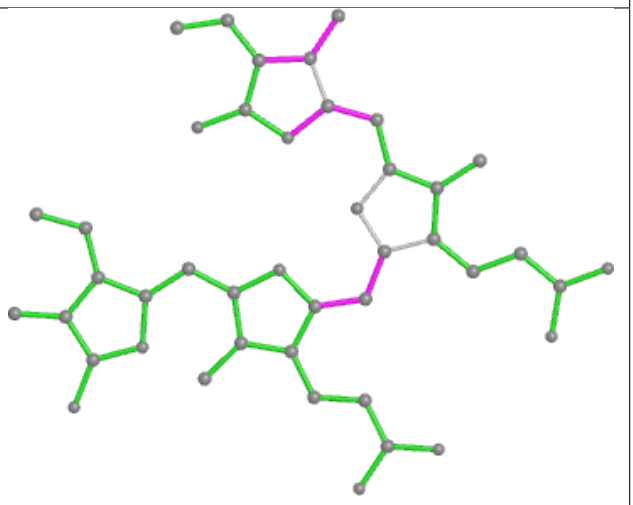

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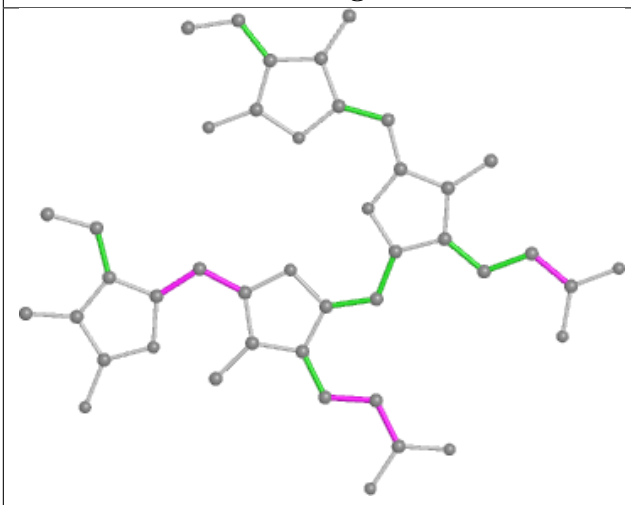

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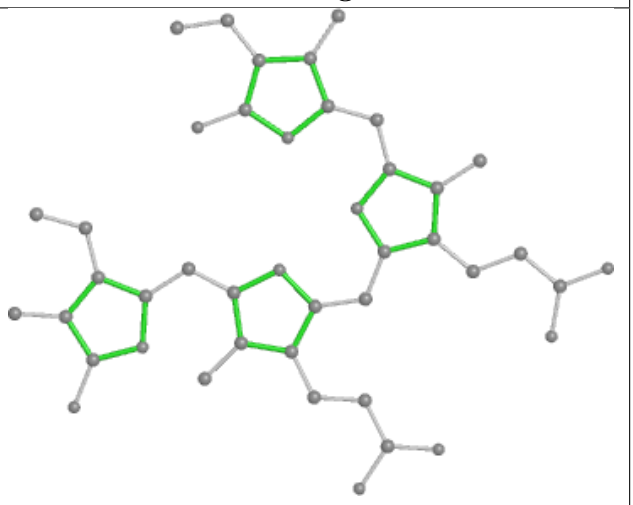
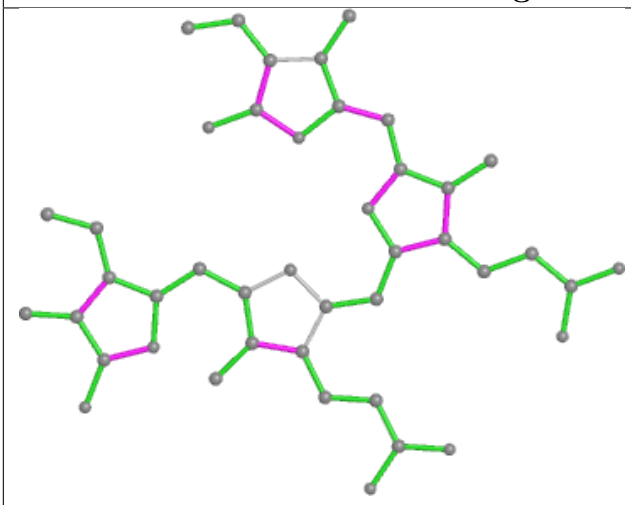


Rings

Ligand PUB D3 203



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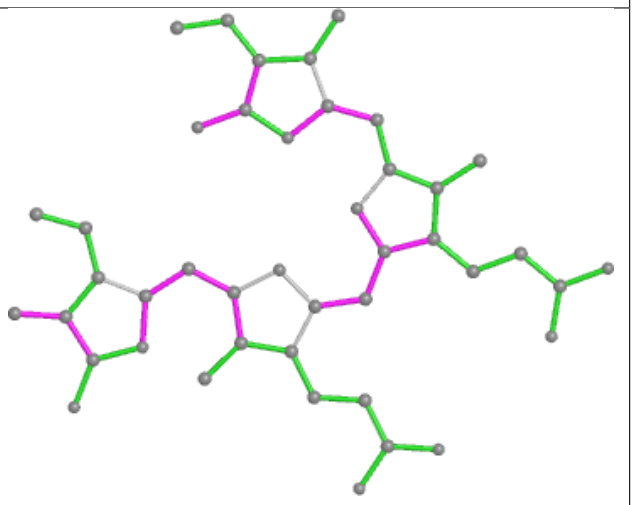

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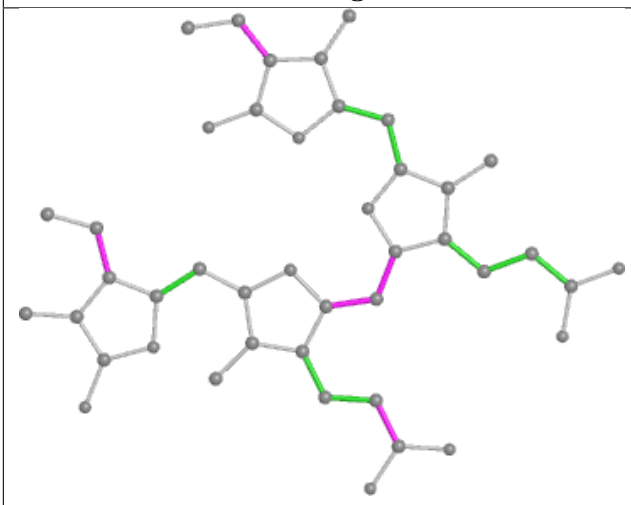

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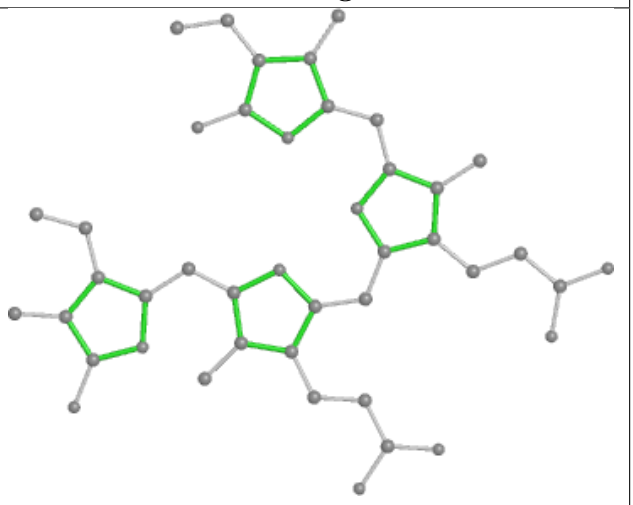
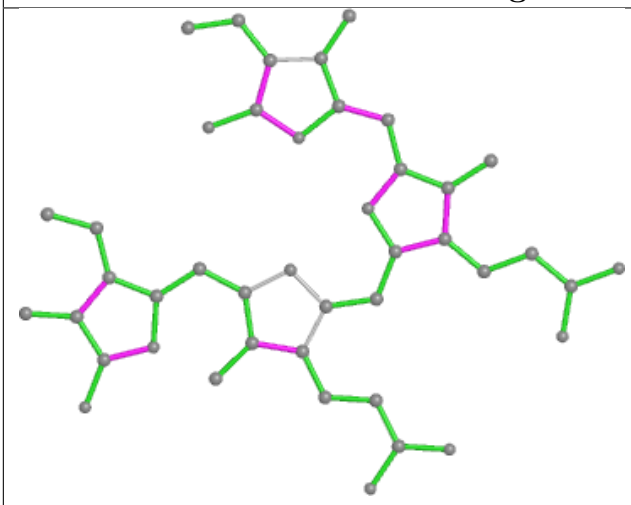


Rings

Ligand PUB ey 1006



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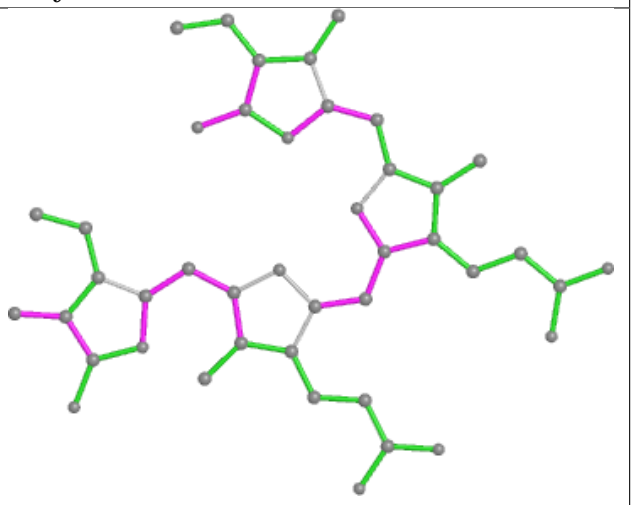

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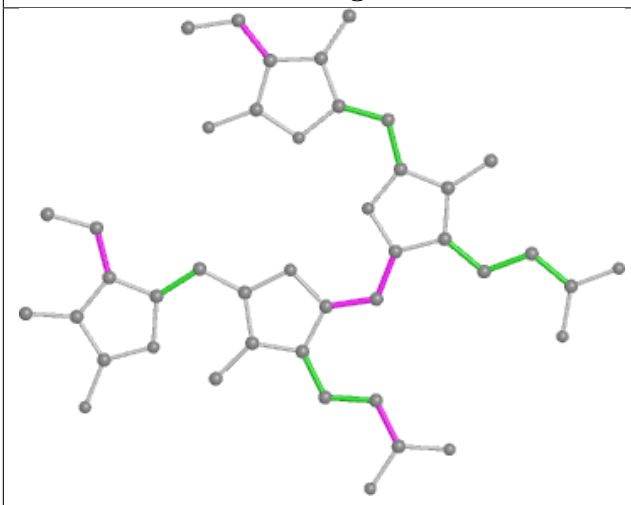
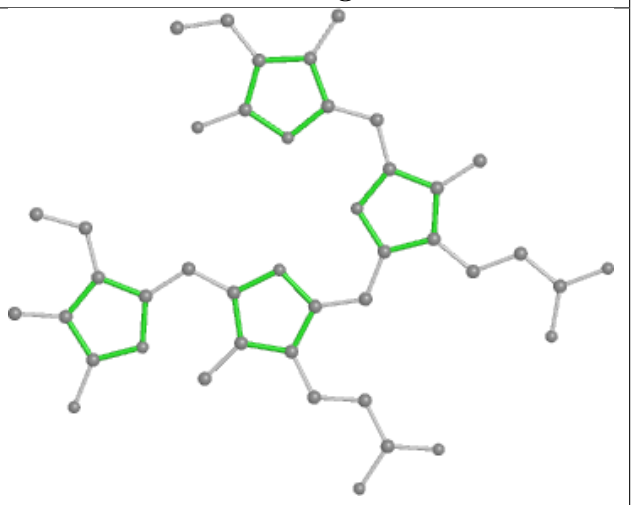
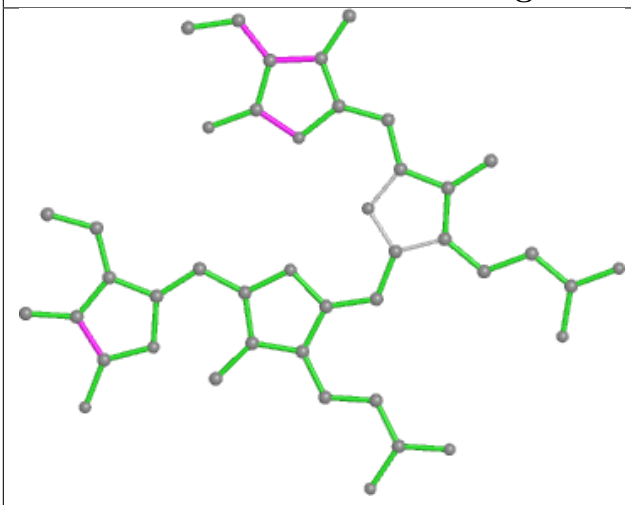


Torsions



Rings

Ligand PEB A5 201



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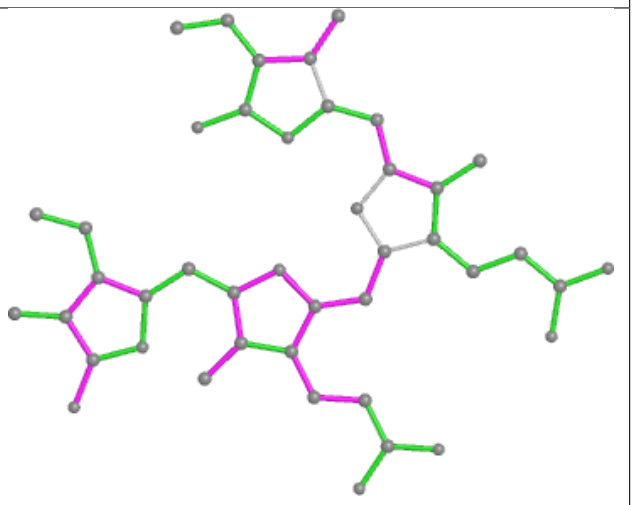

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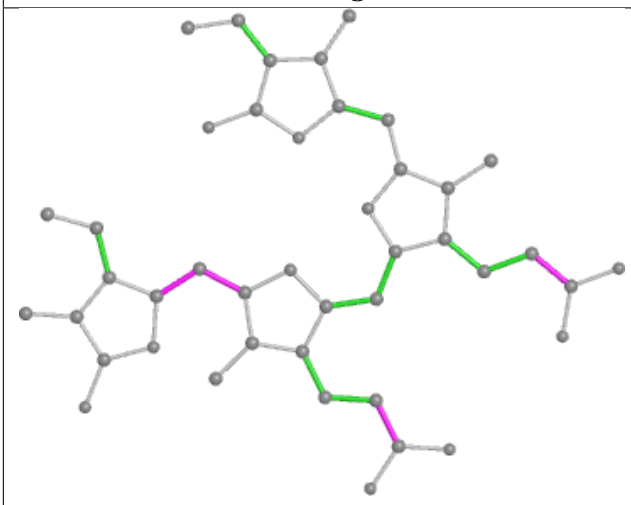

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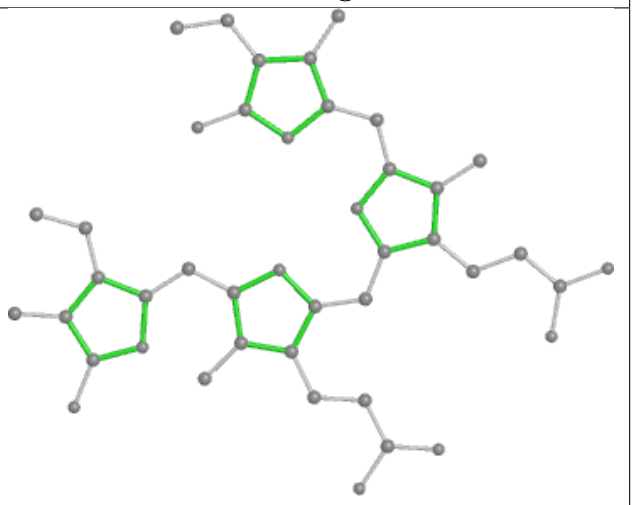
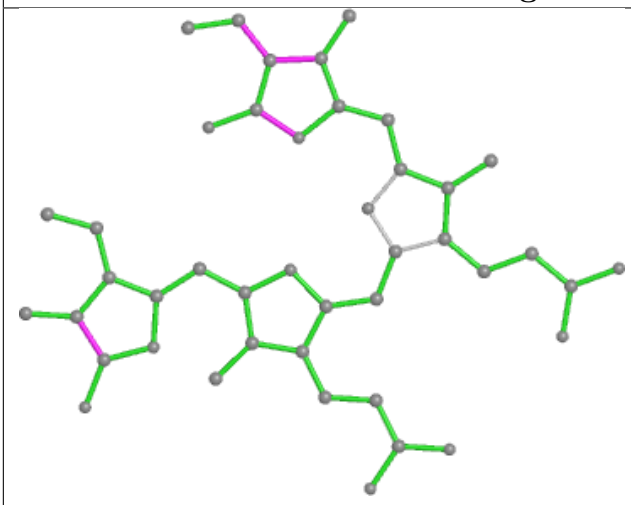


Rings

Ligand PEB aq 201



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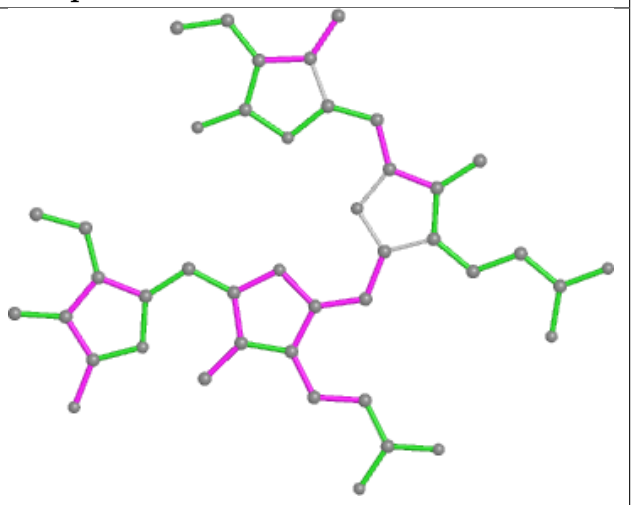

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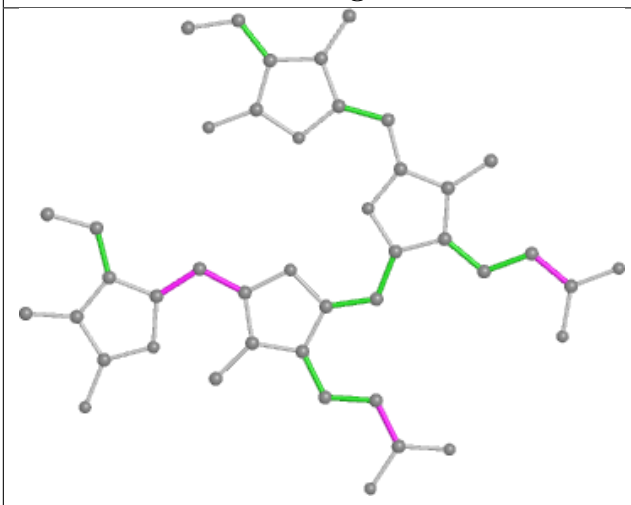

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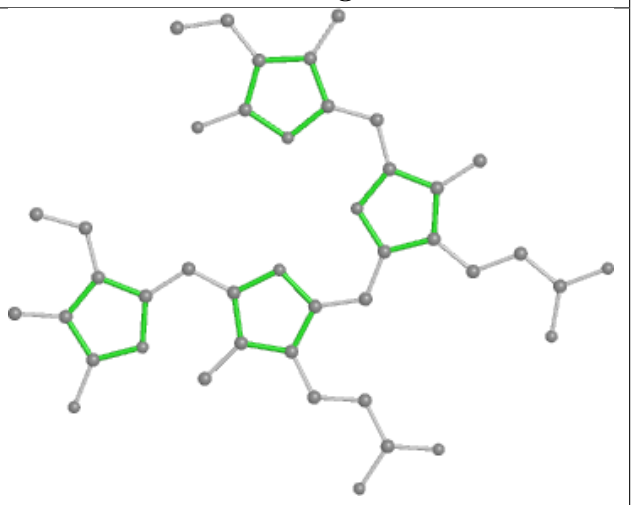

Rings

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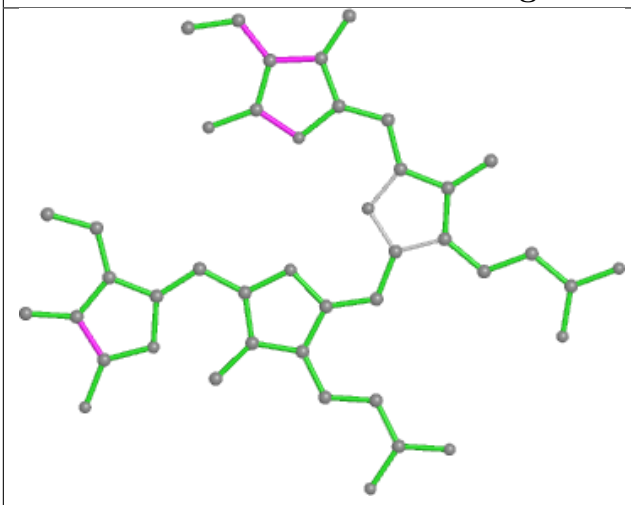

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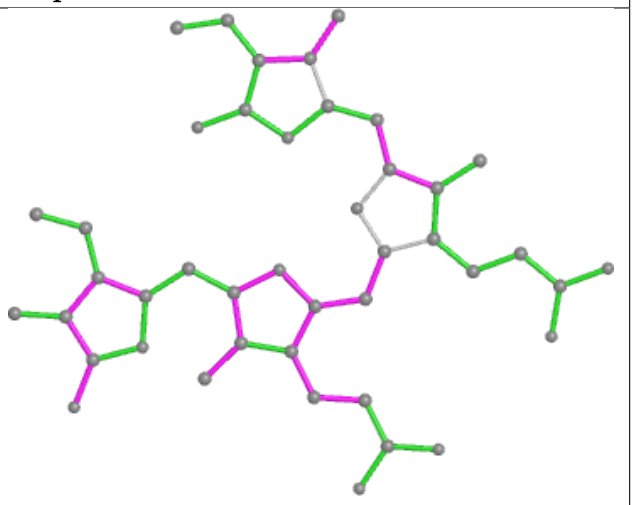

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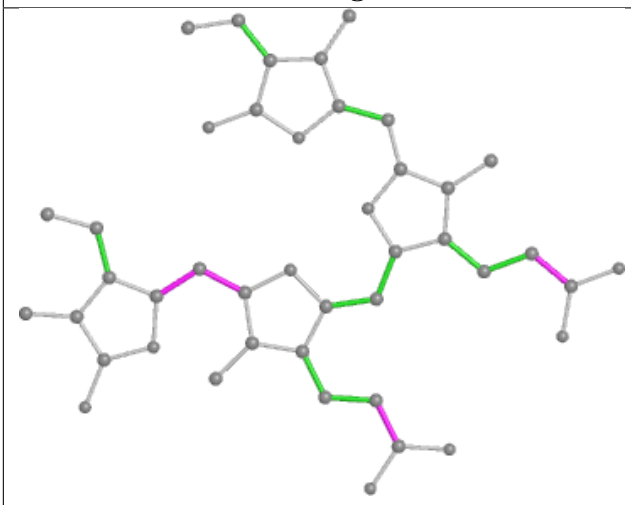

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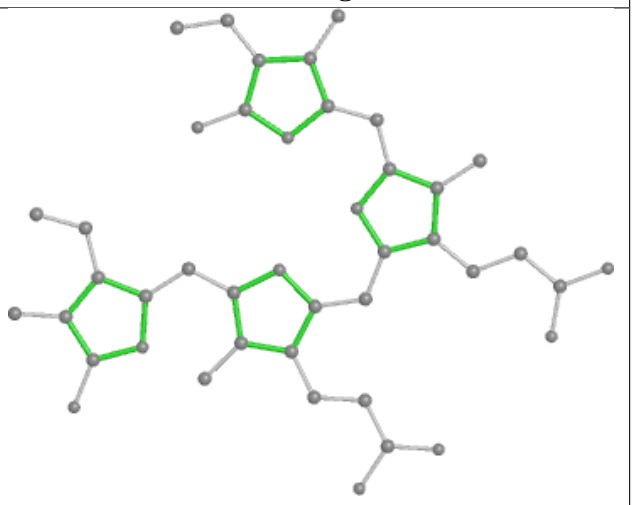

Rings

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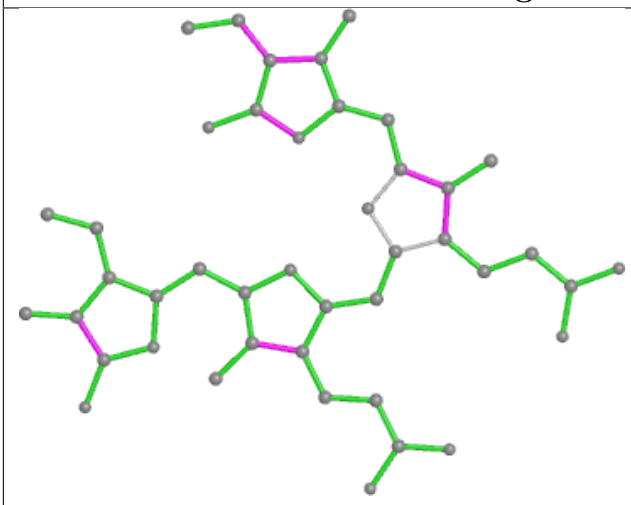

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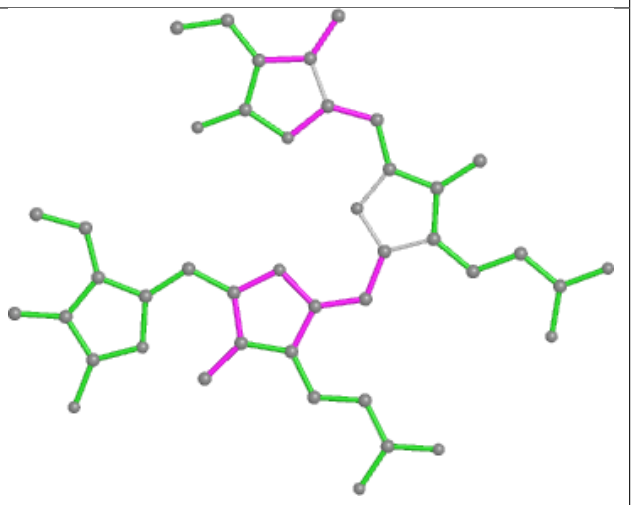

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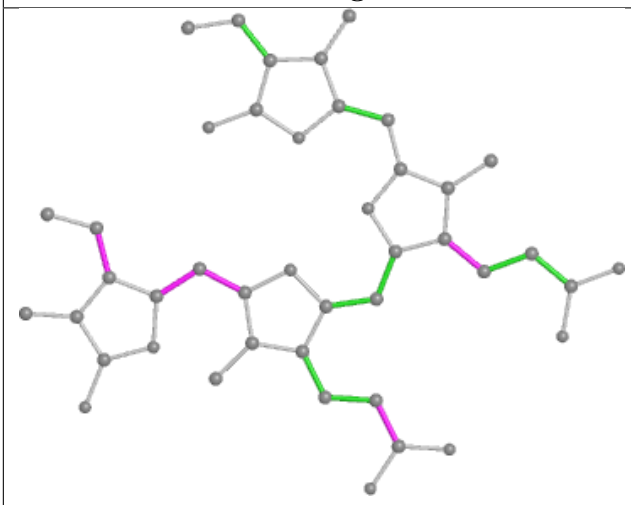

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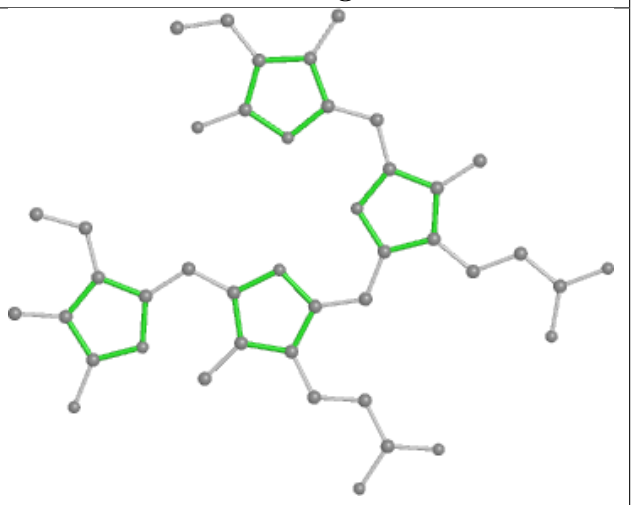

Rings

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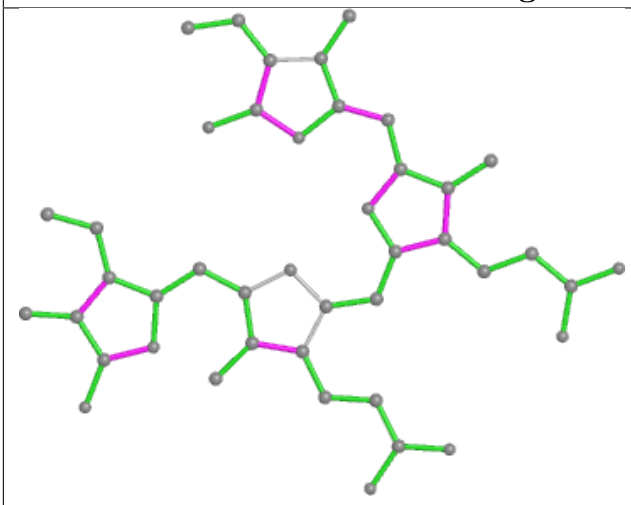

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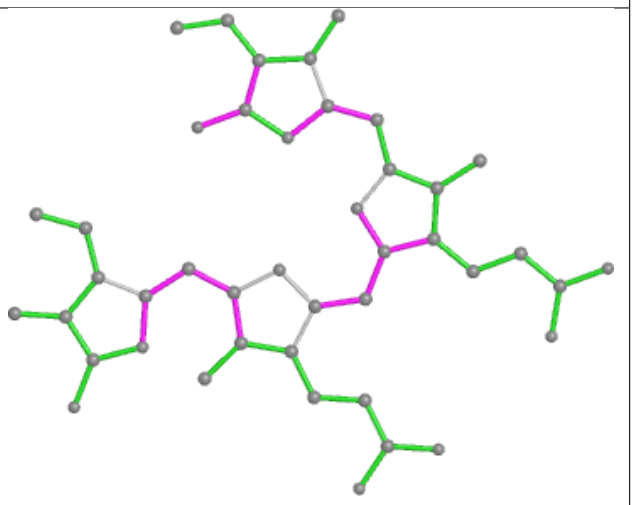

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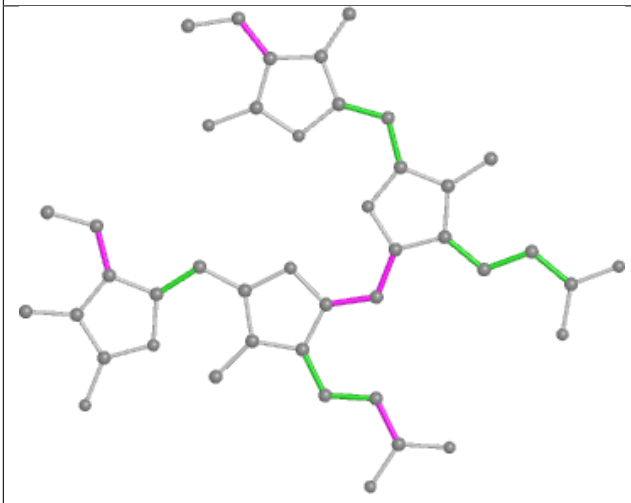

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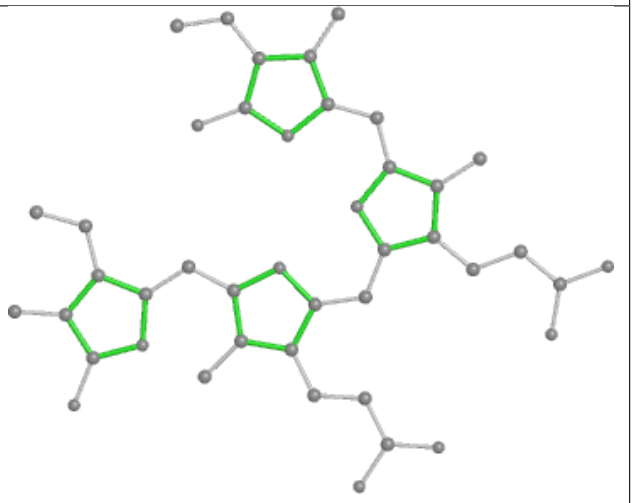
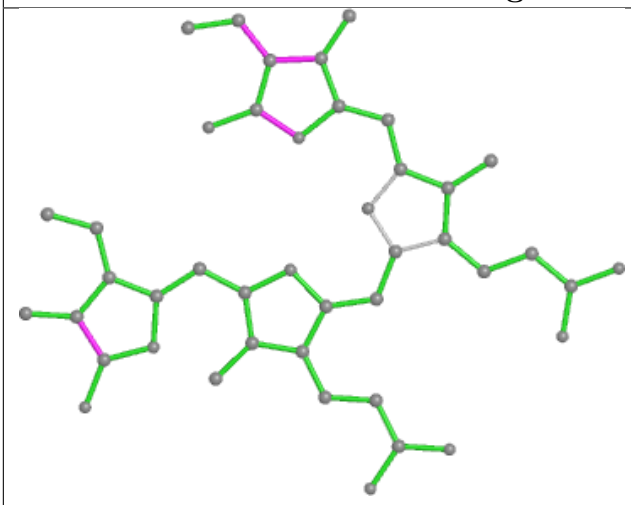


Rings

Ligand PEB V8 1001



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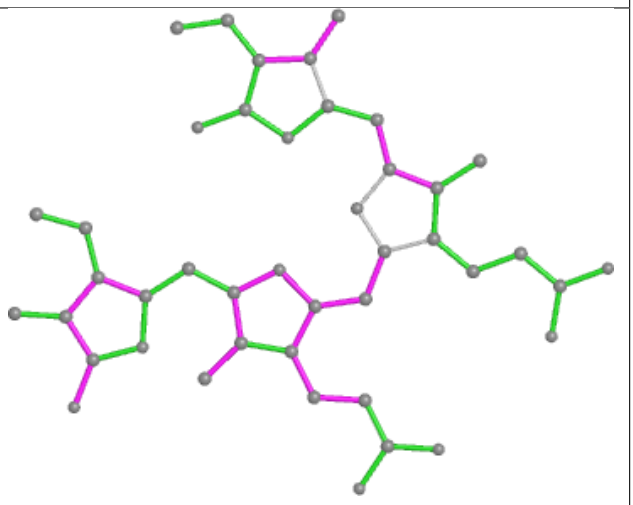

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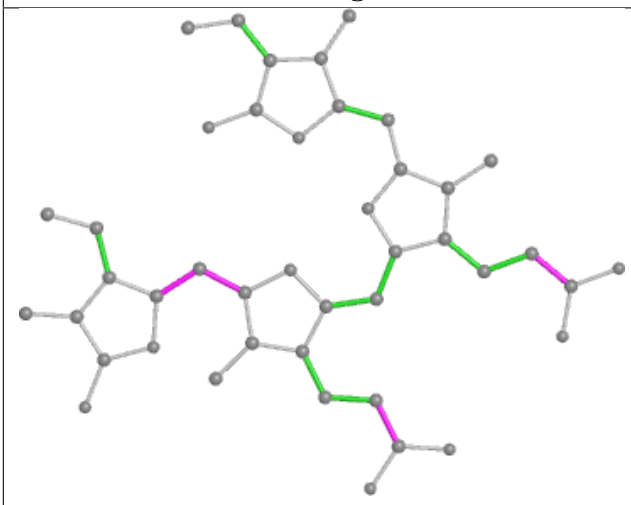

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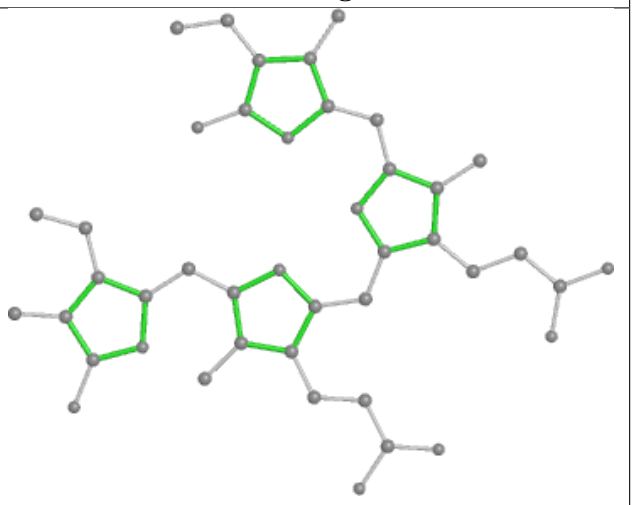

Rings

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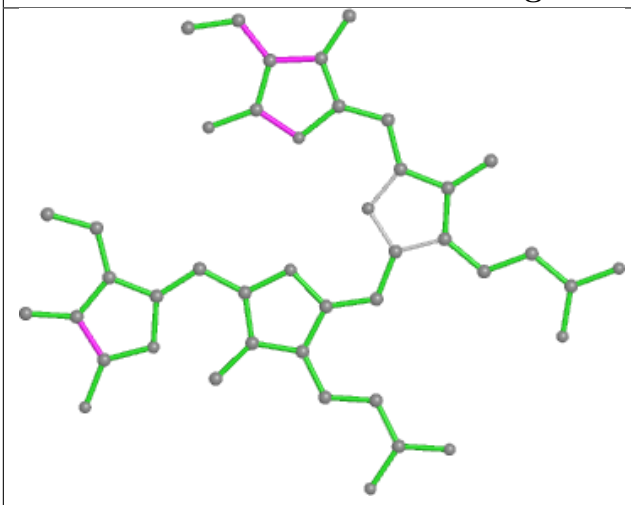

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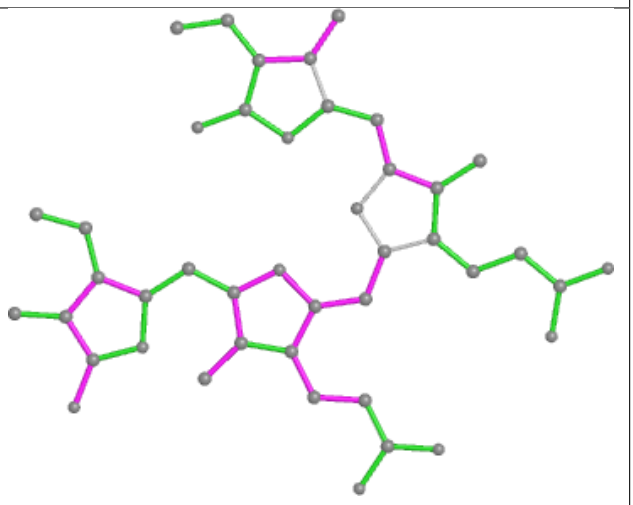

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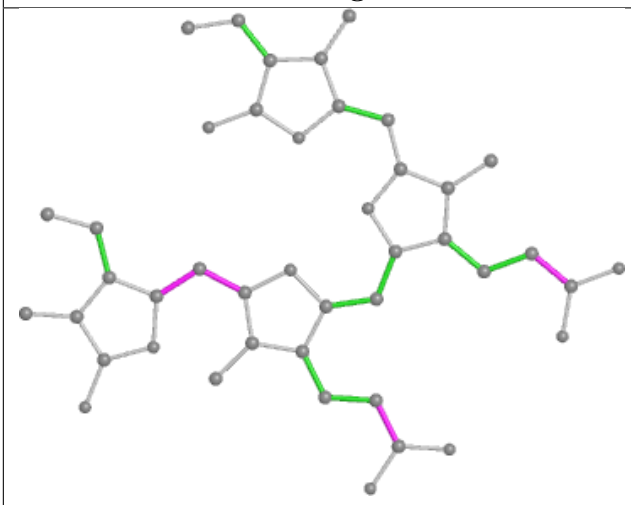

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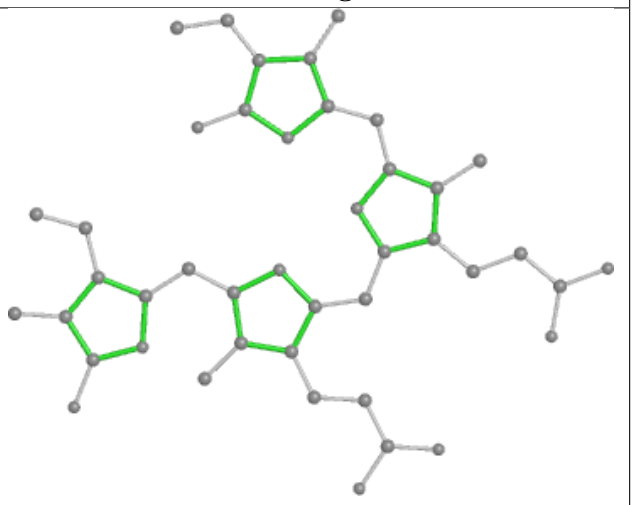

Rings

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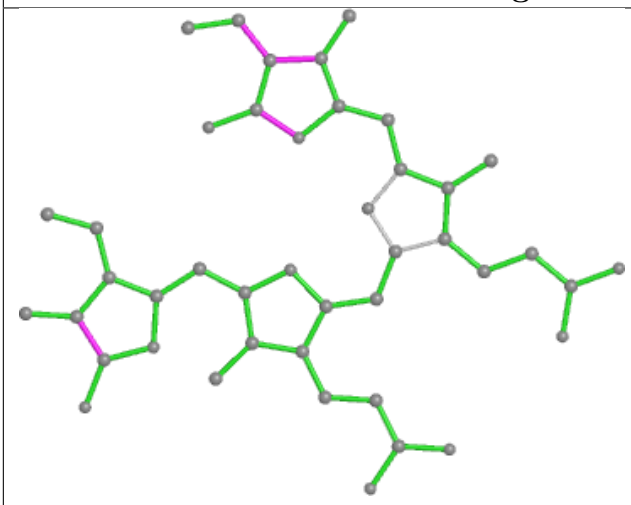

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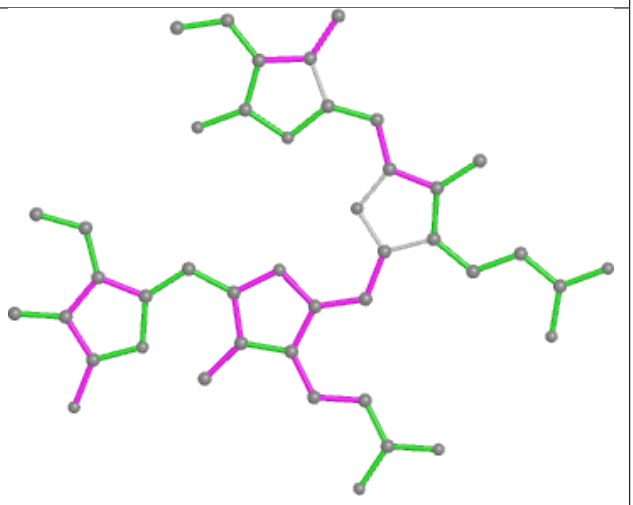

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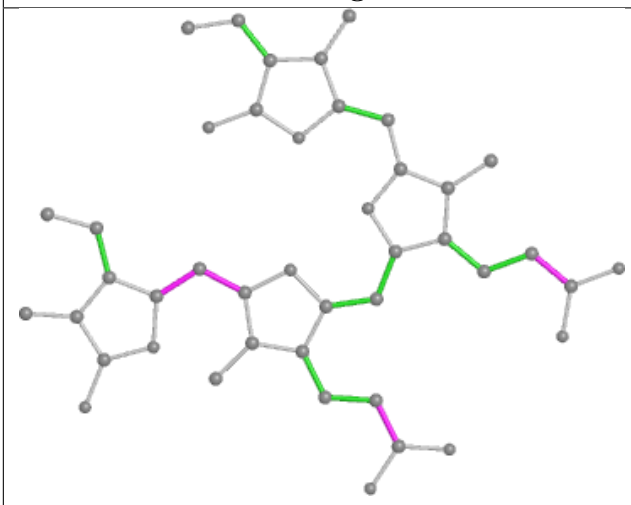

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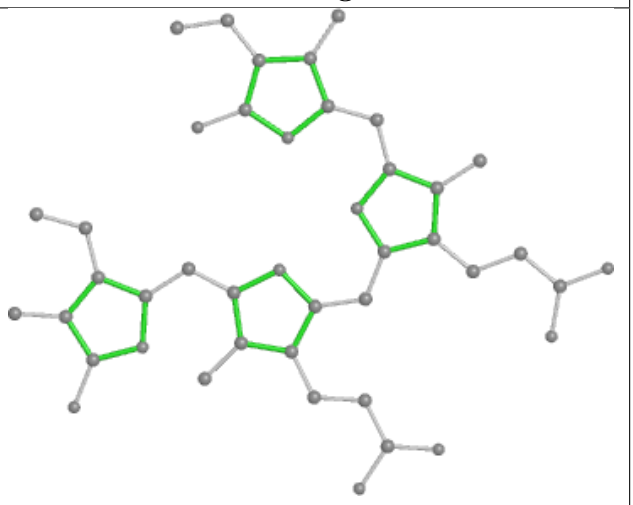

Rings

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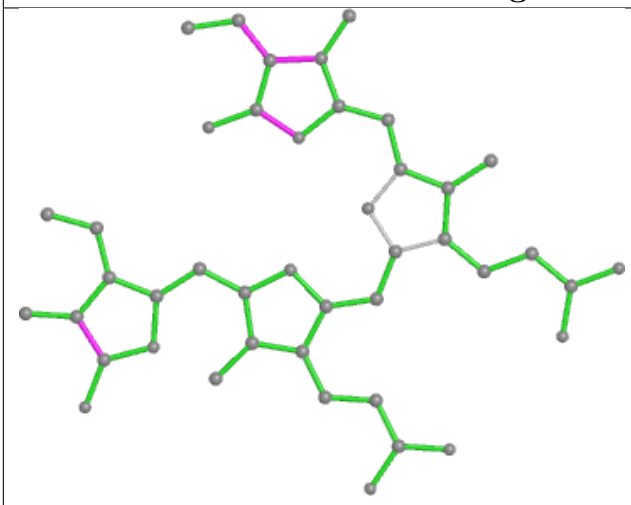

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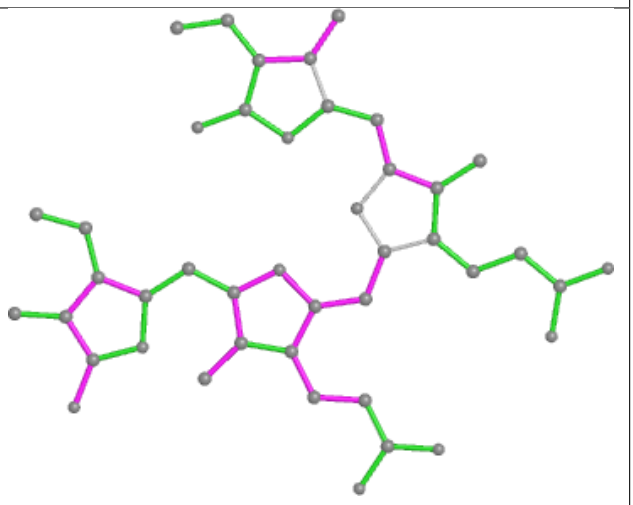

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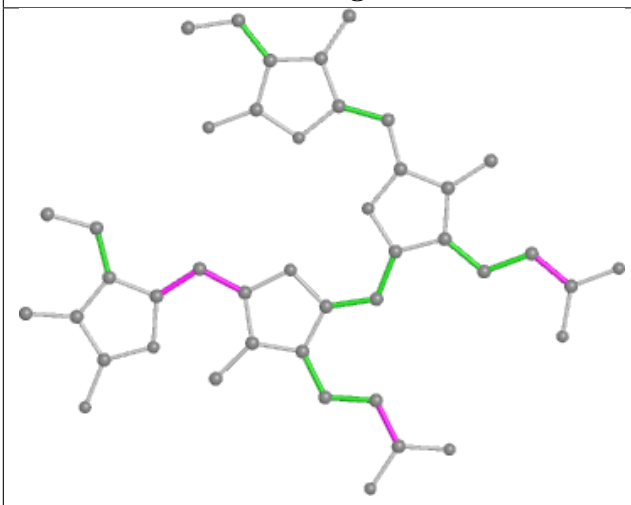

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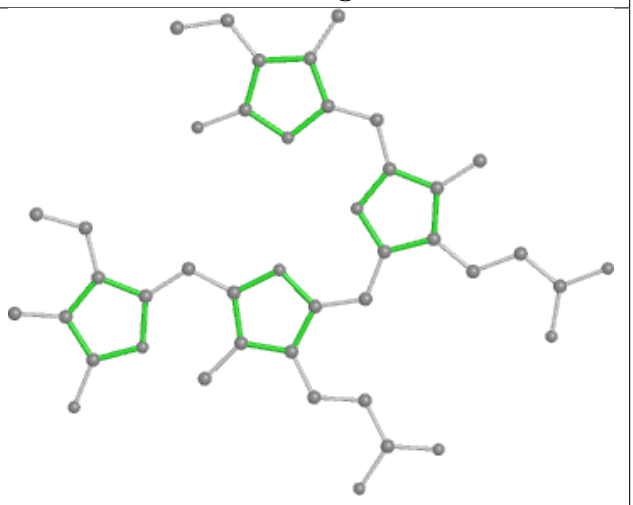

Rings

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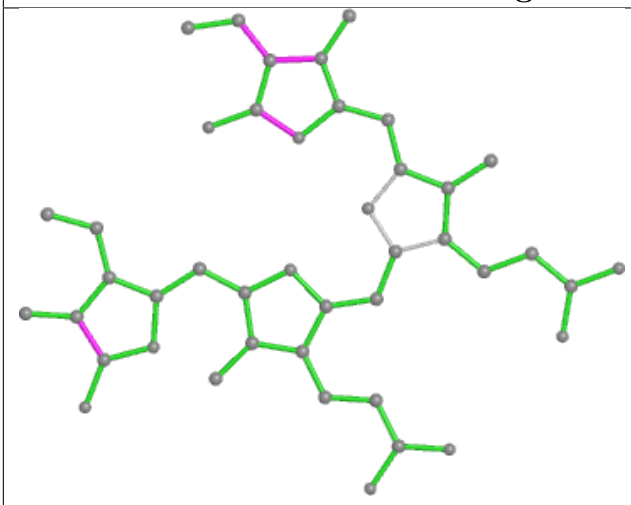

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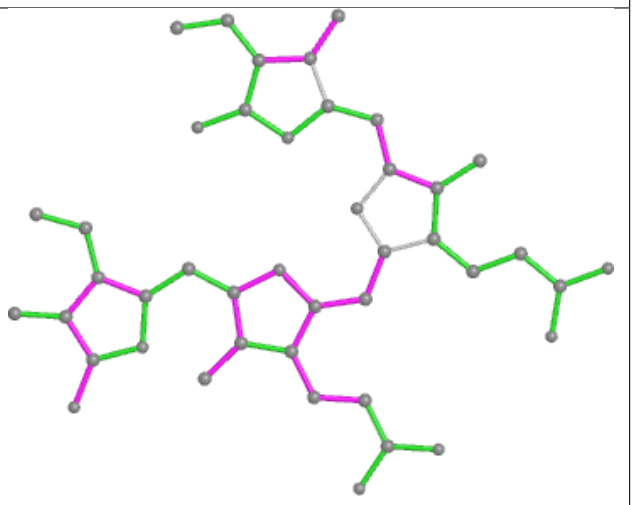

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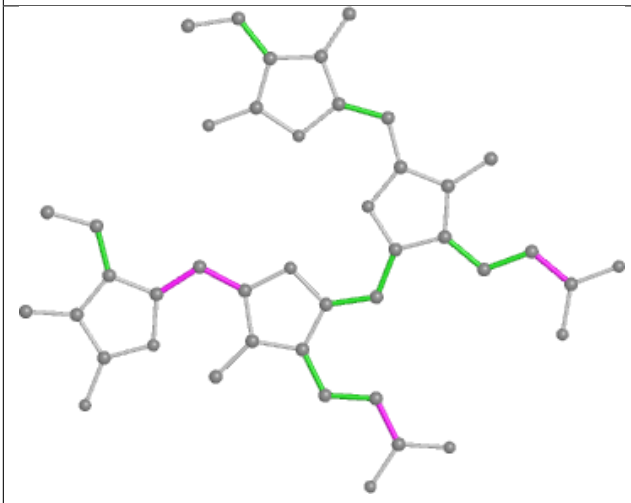

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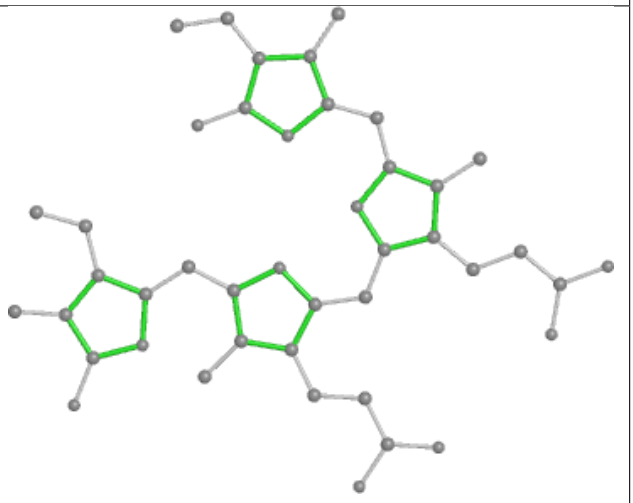

Rings

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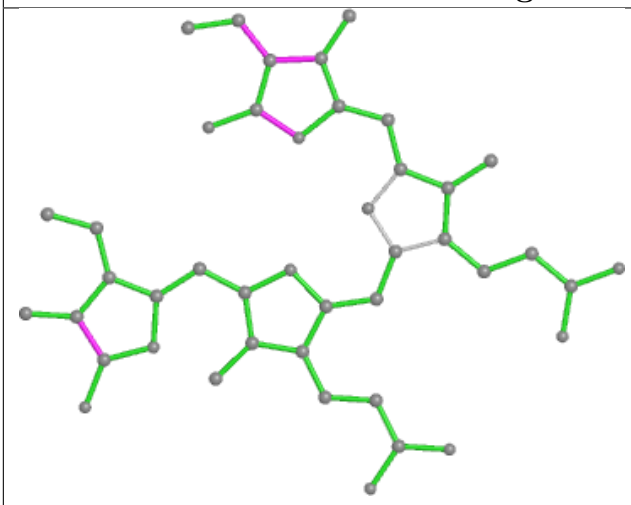

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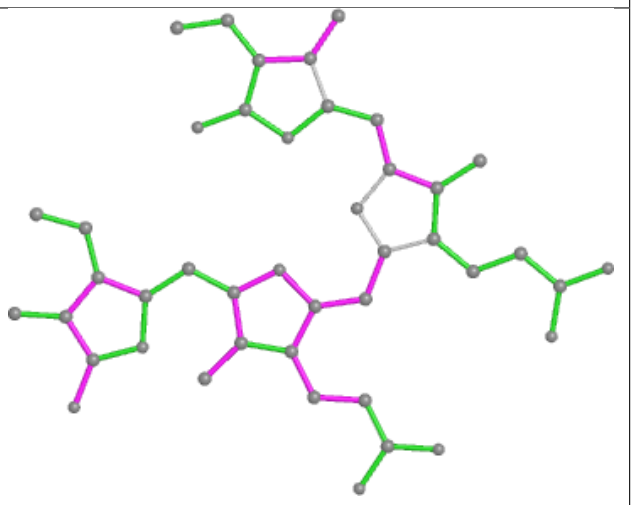

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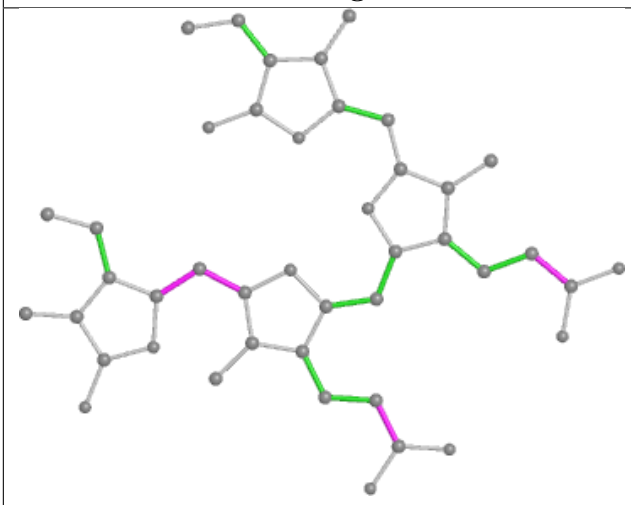

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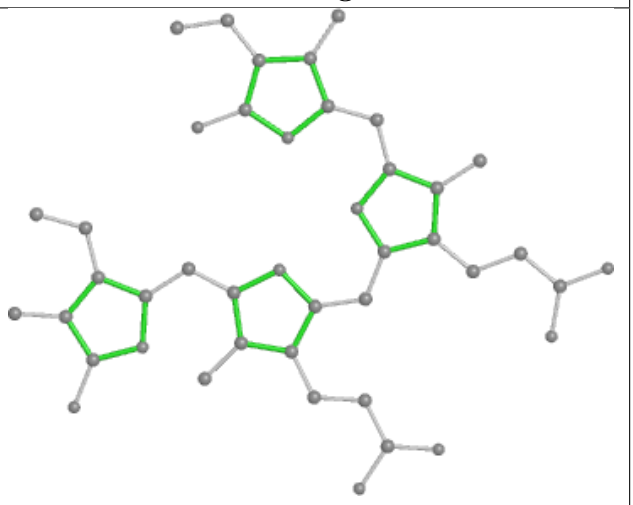

Rings

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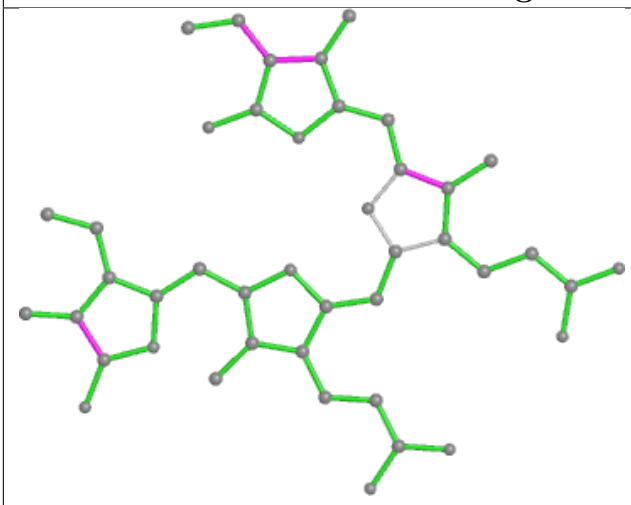

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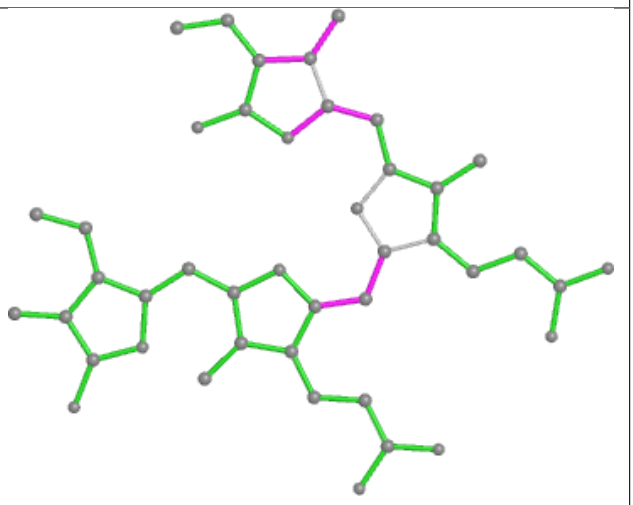

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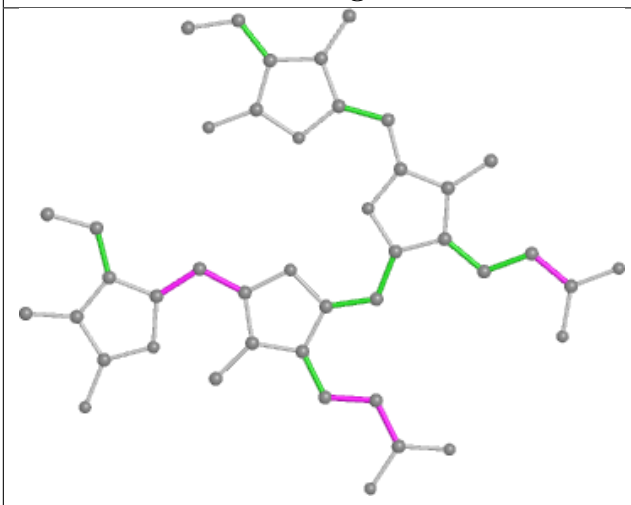

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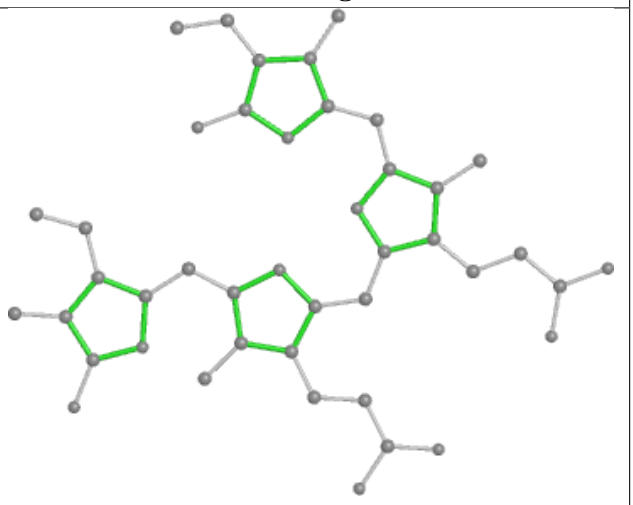
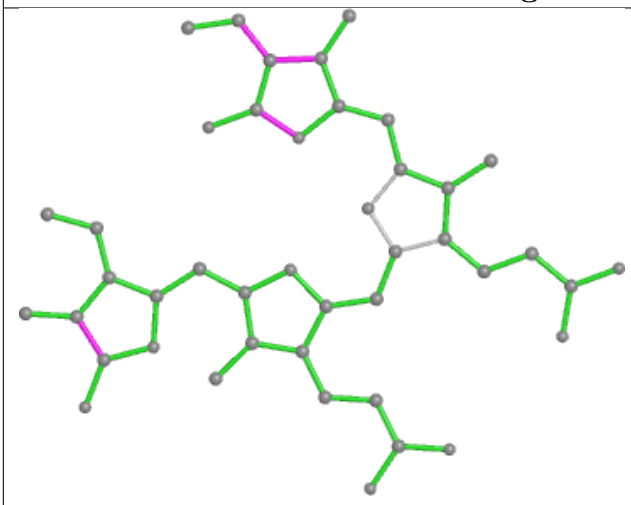


Rings

Ligand PEB z7 201



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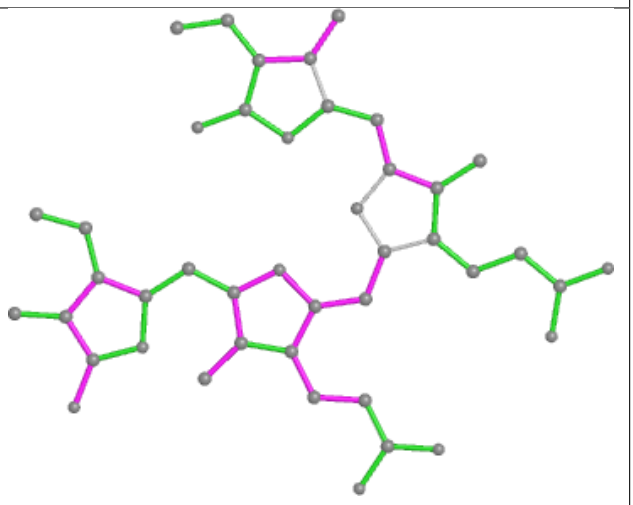
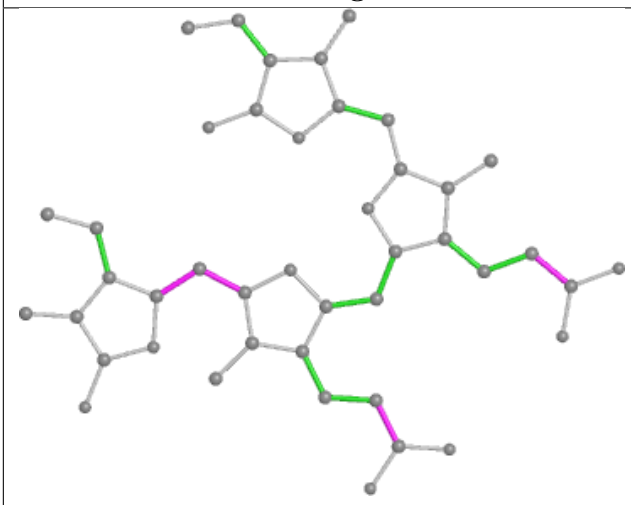
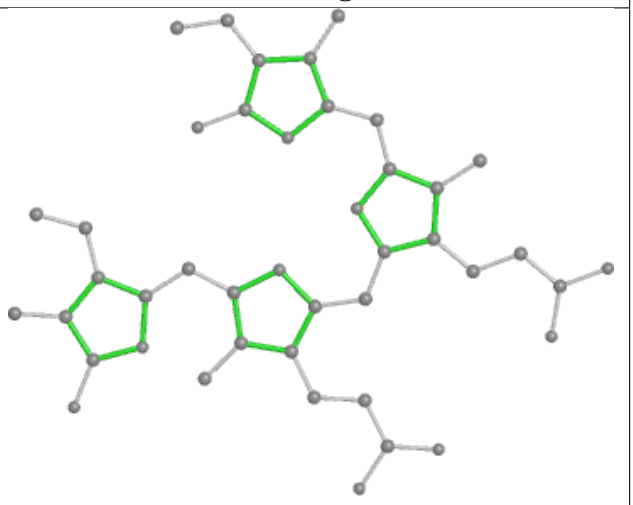


Bond angles

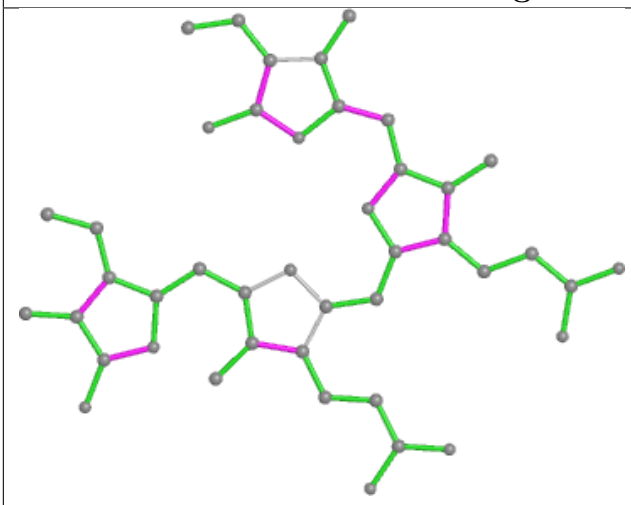


Torsions



Rings

Ligand PUB A8 203



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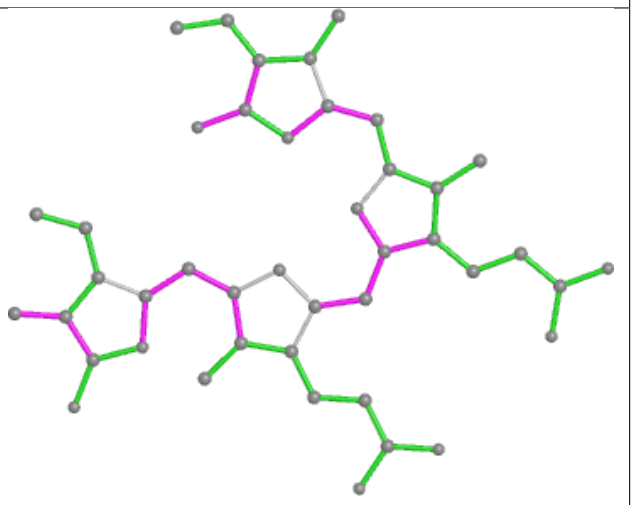

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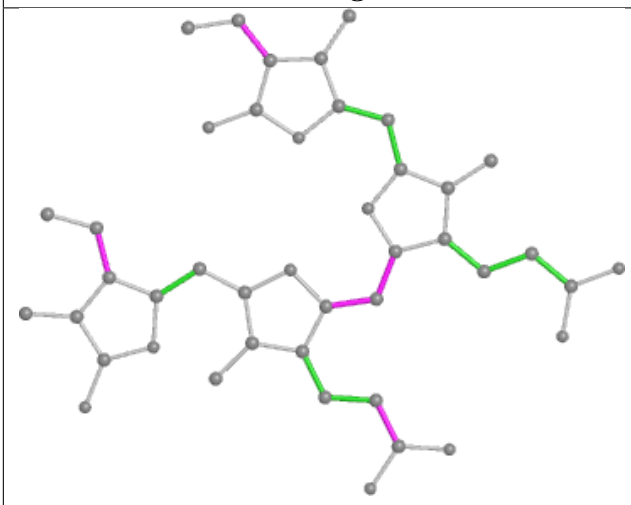

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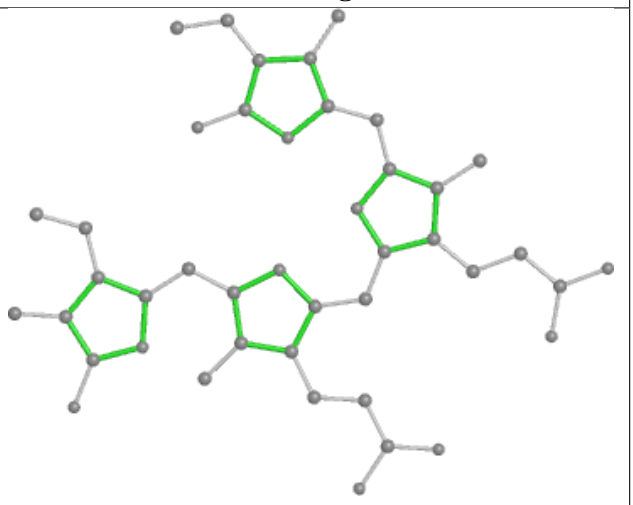
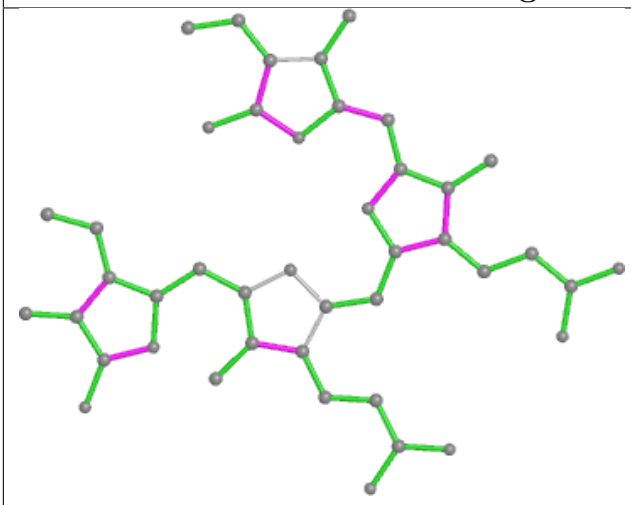


Rings

Ligand PUB ee 203



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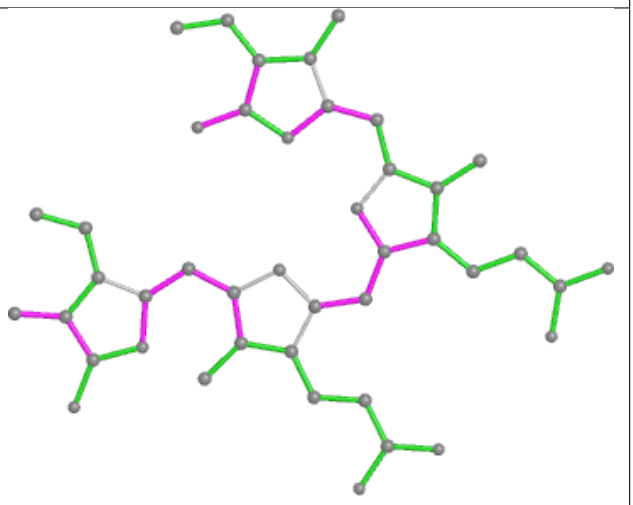

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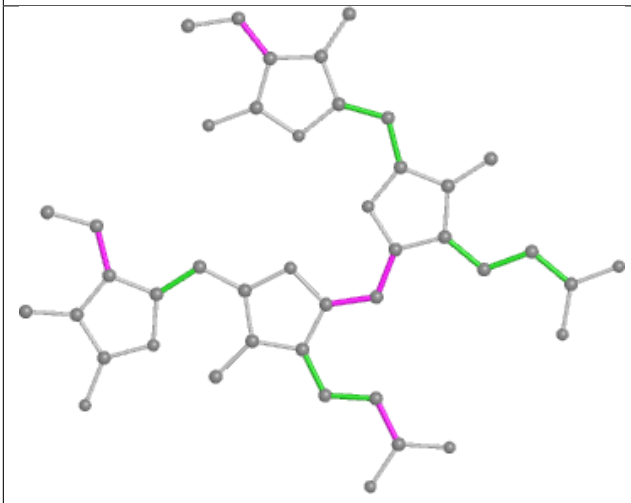

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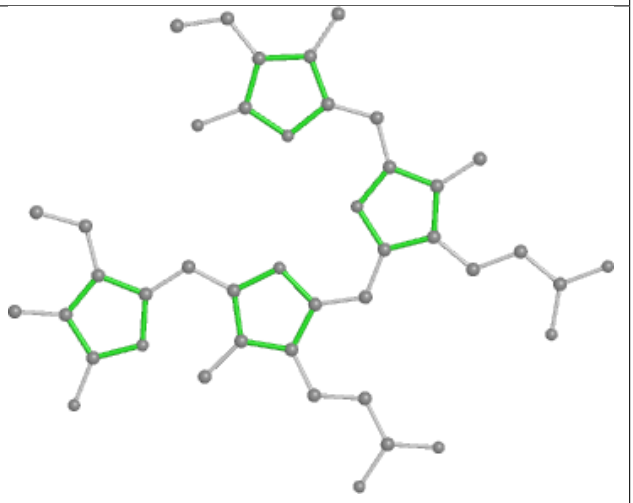
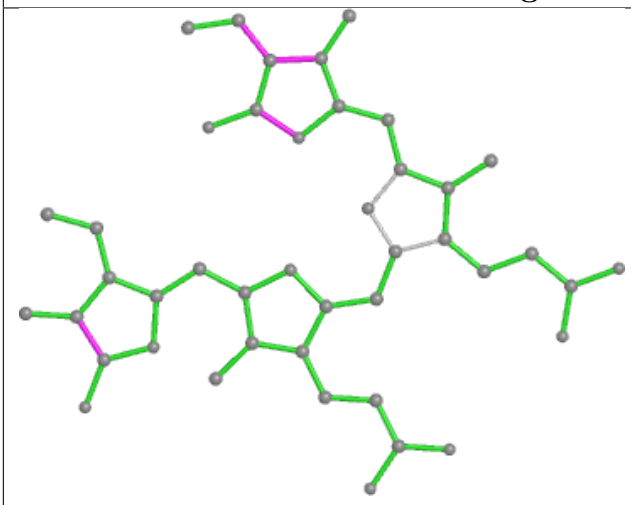


Rings

Ligand PEB gz 301



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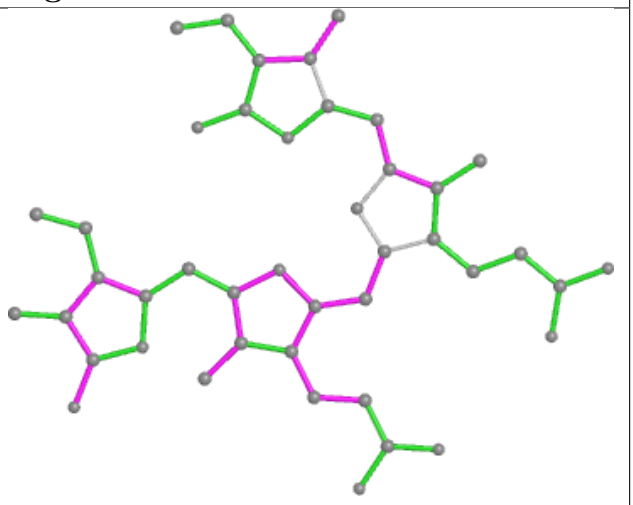

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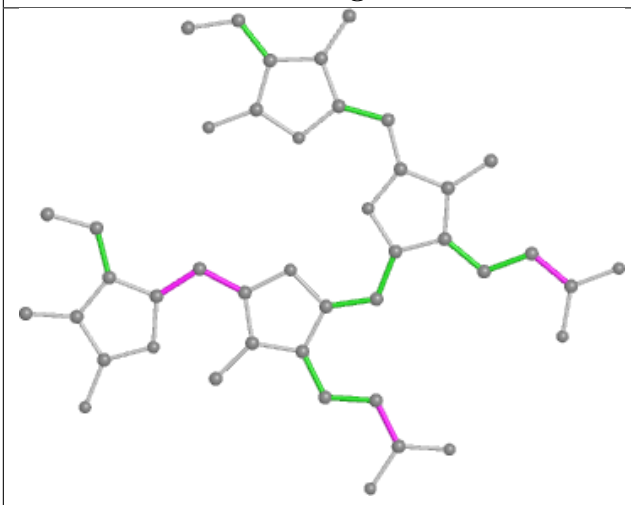

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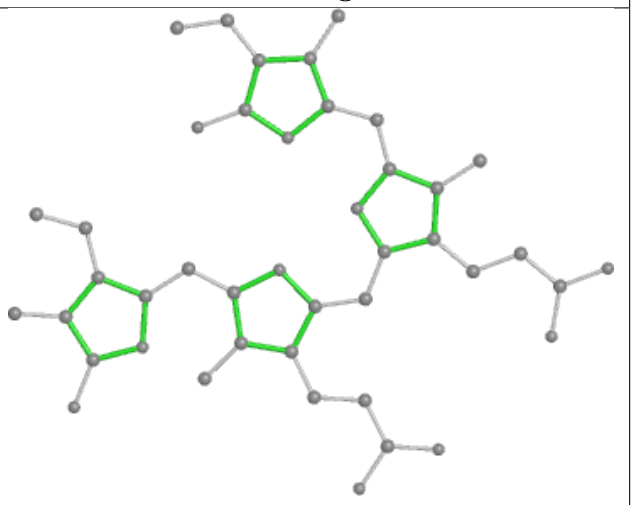
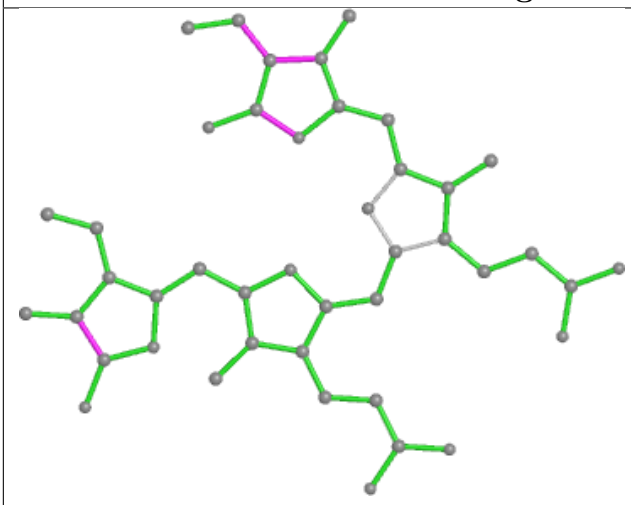


Rings

Ligand PEB hV 201



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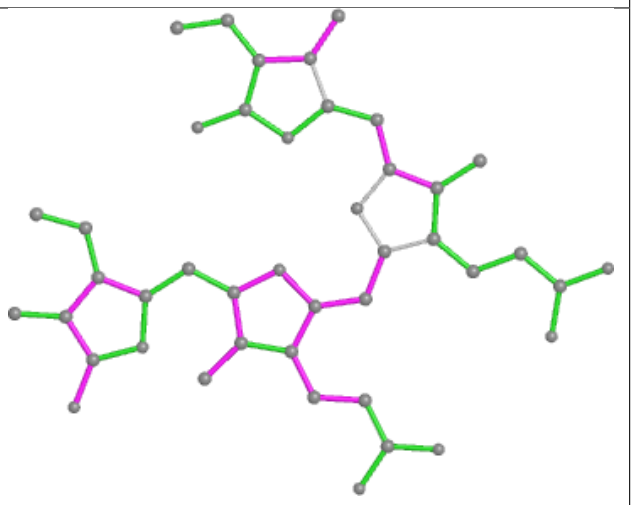

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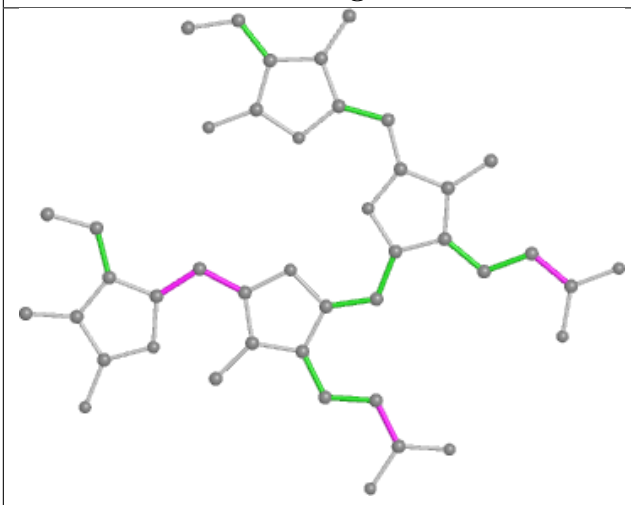

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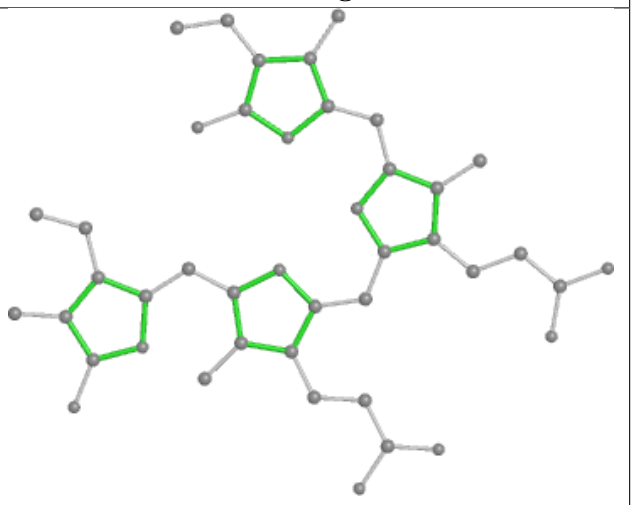
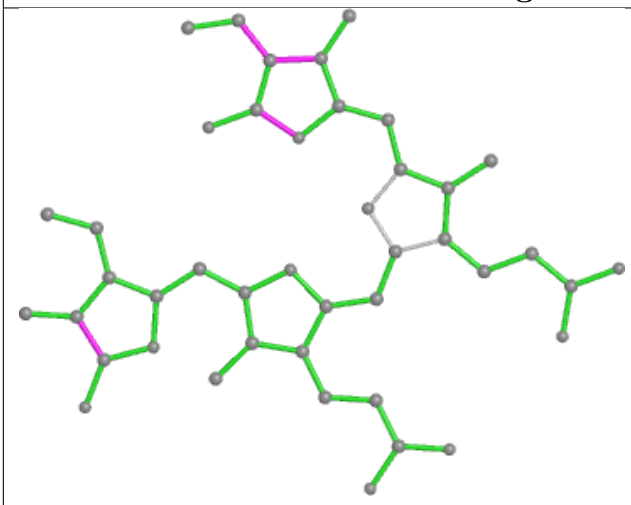


Rings

Ligand PEB eH 202



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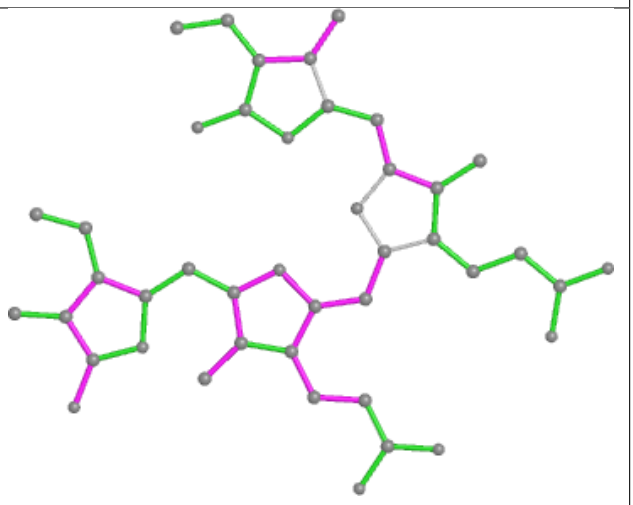

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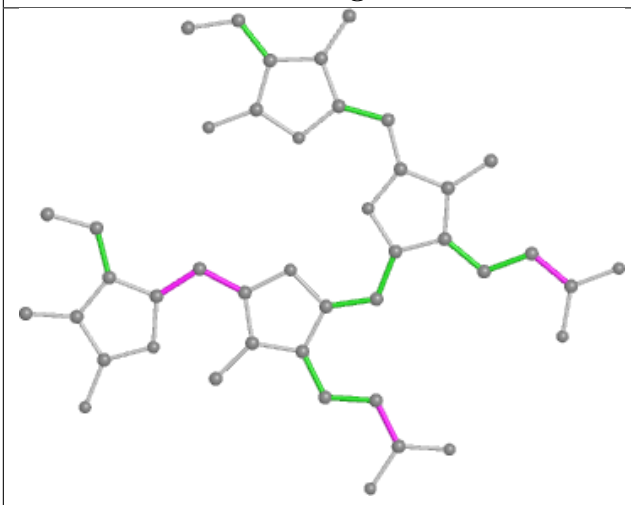

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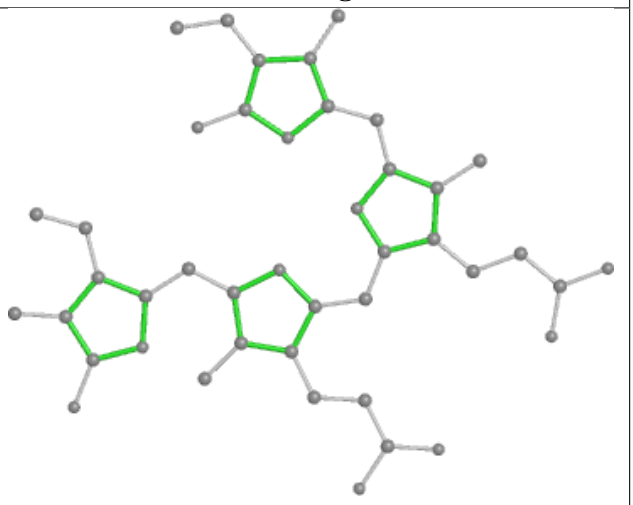

Rings

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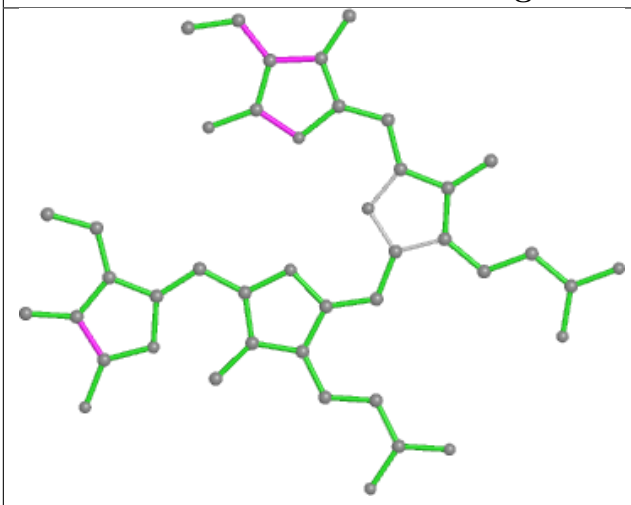

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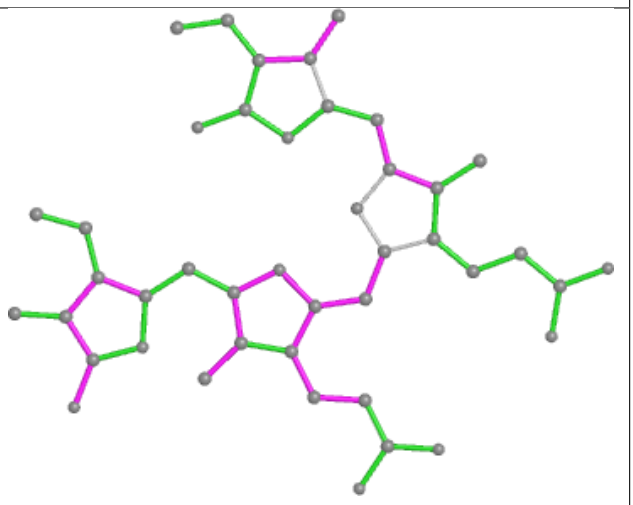

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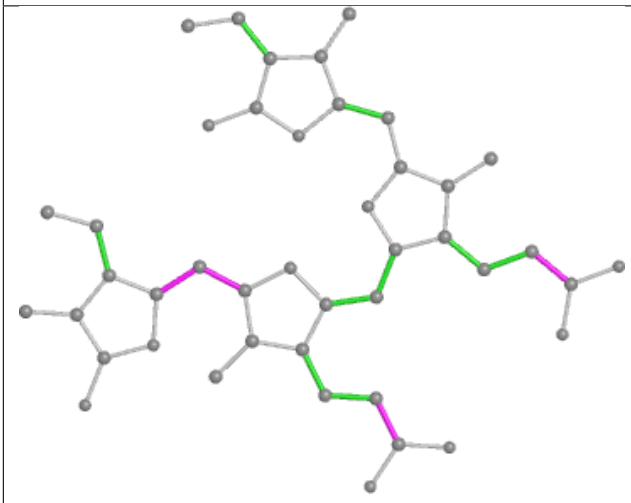

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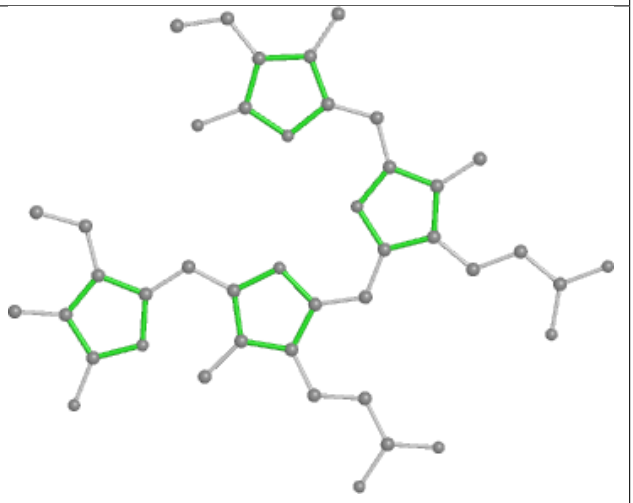

Rings

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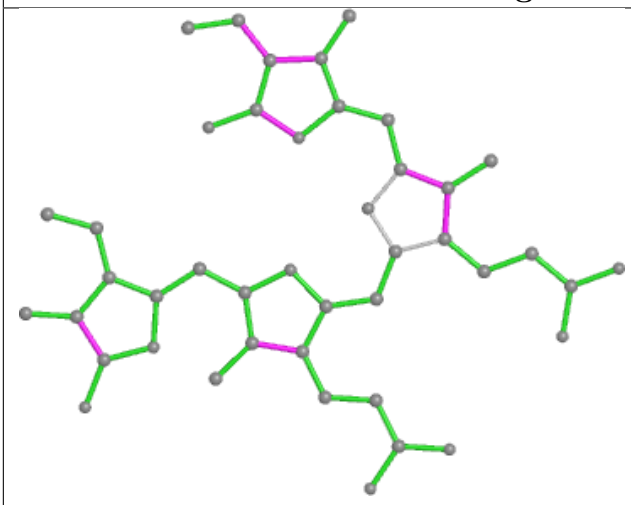

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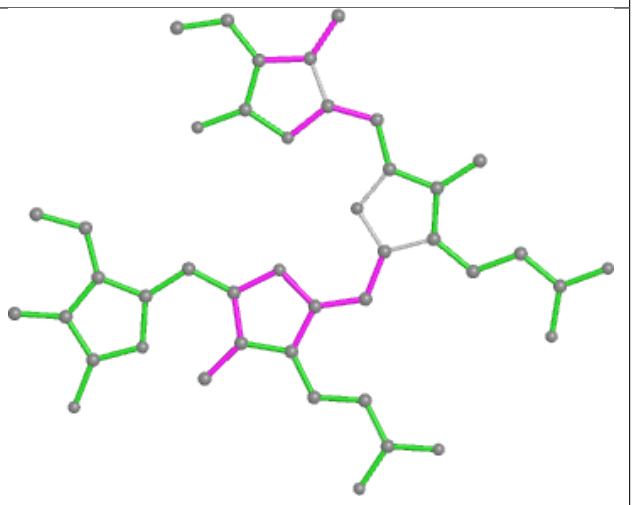

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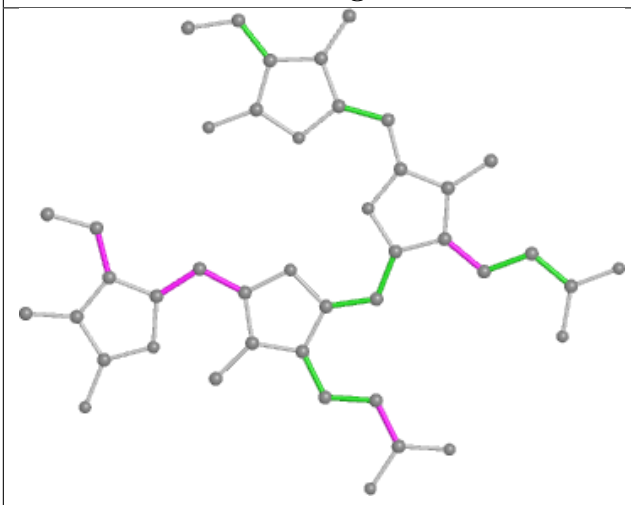

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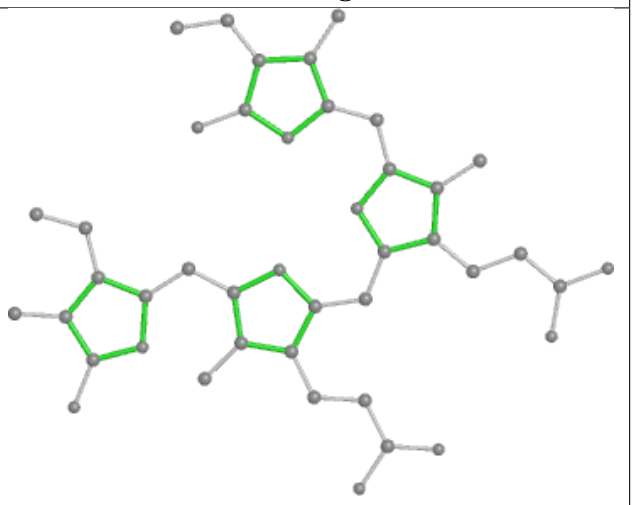
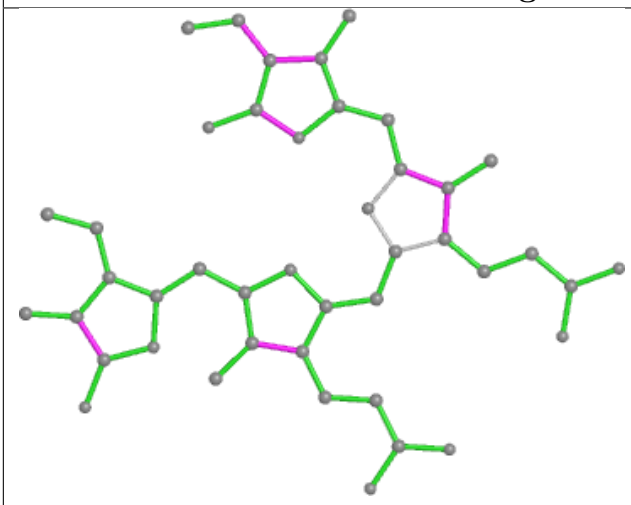


Rings

Ligand PEB ad 202



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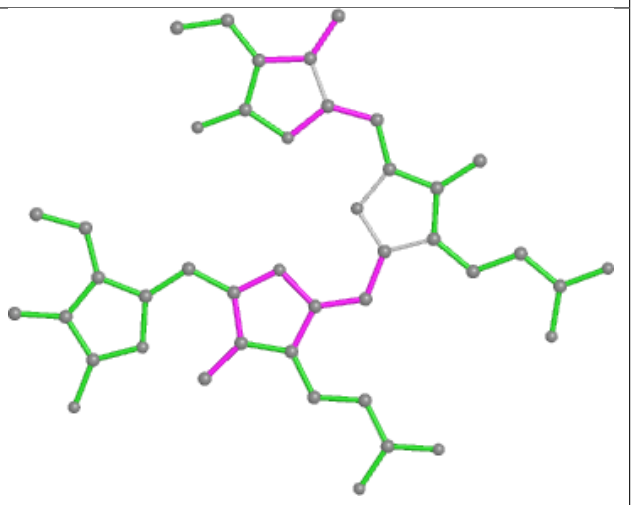

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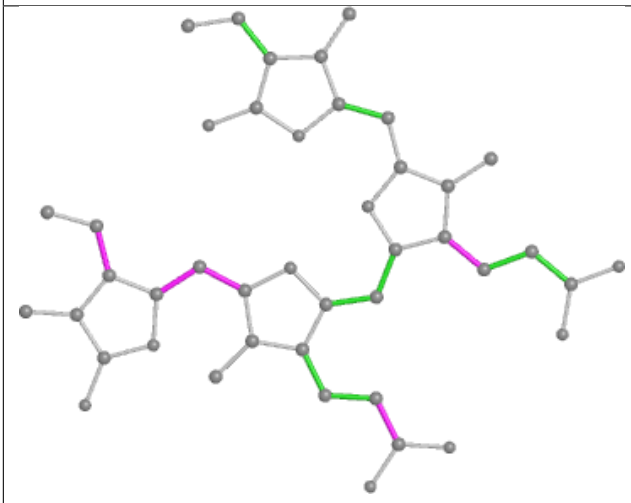

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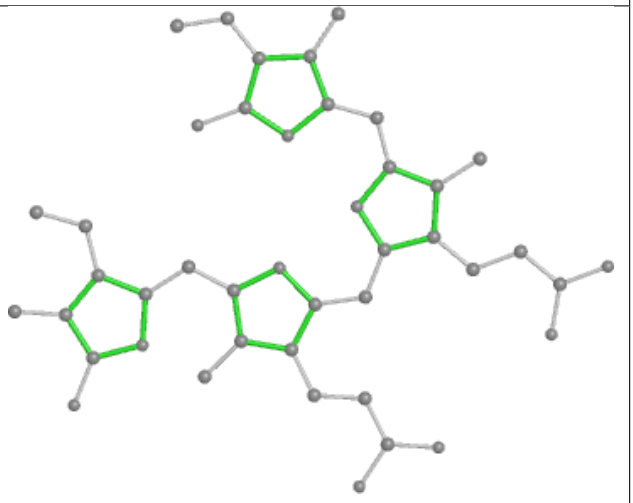

Rings

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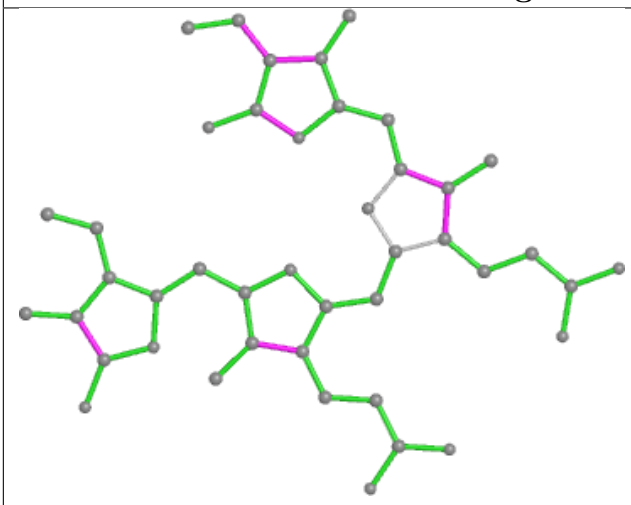

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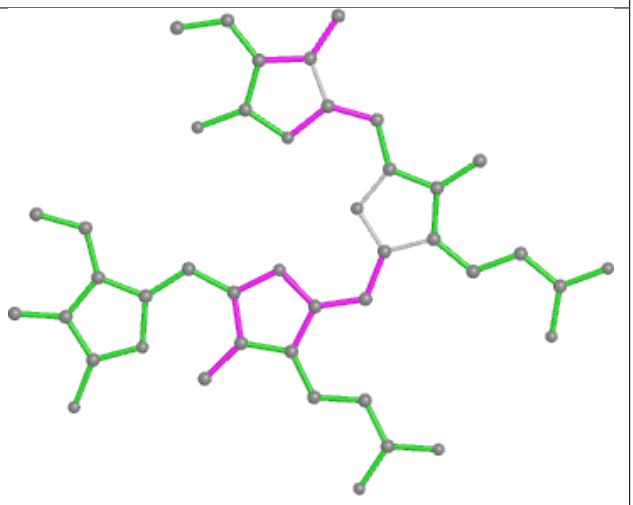

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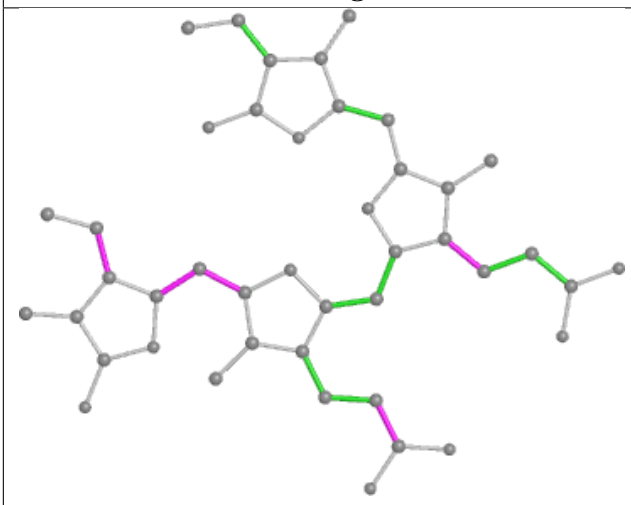

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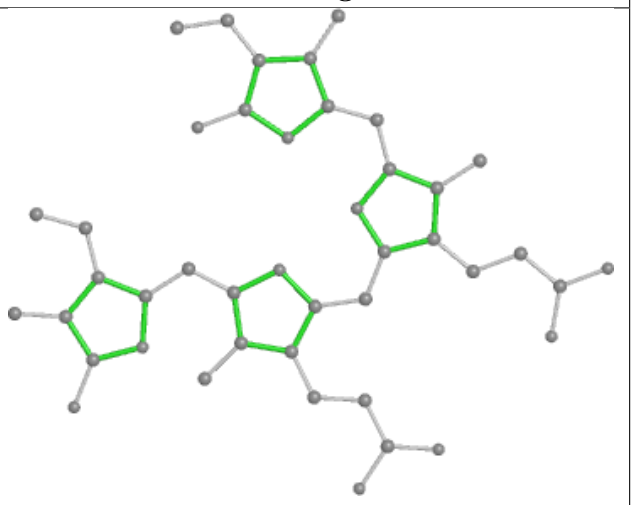
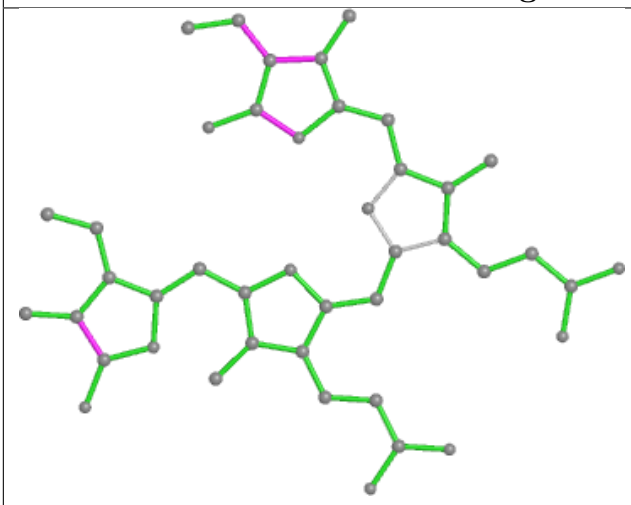


Rings

Ligand PEB x9 202



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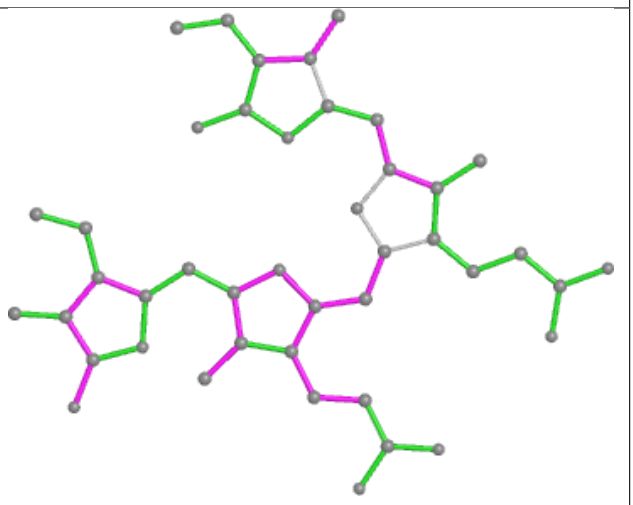

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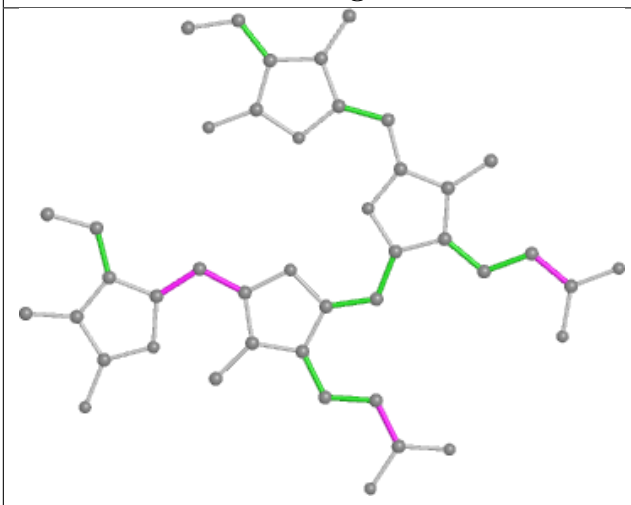

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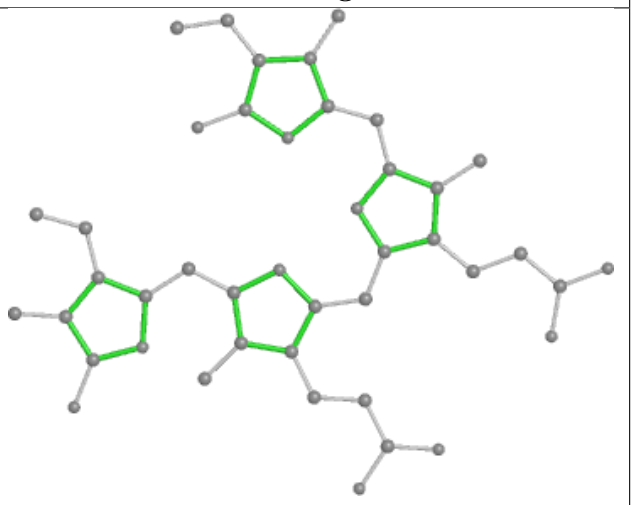
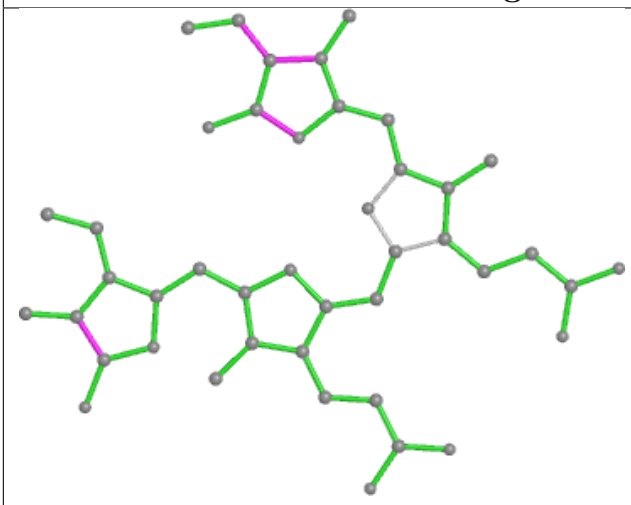


Rings

Ligand PEB eM 1002



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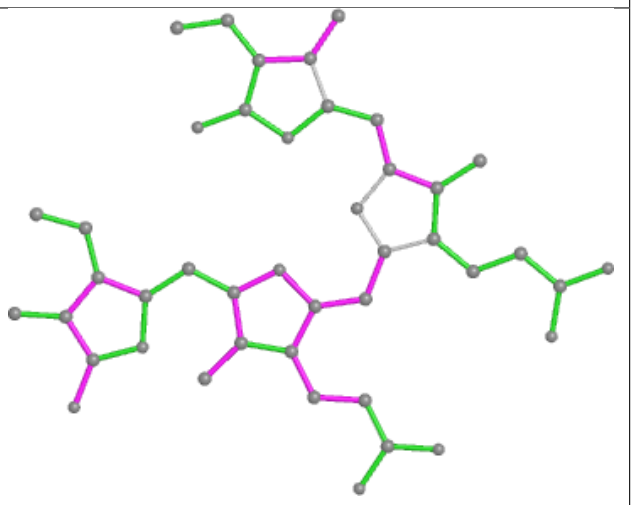

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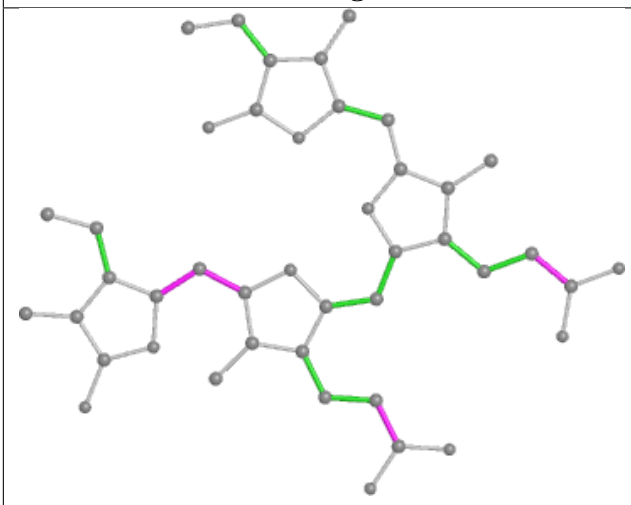

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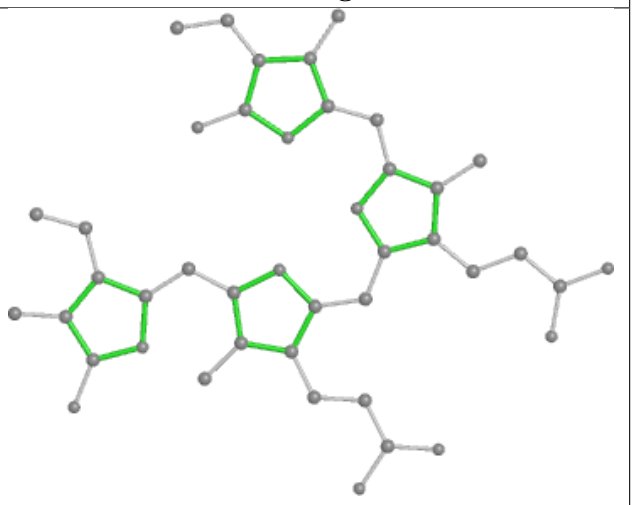
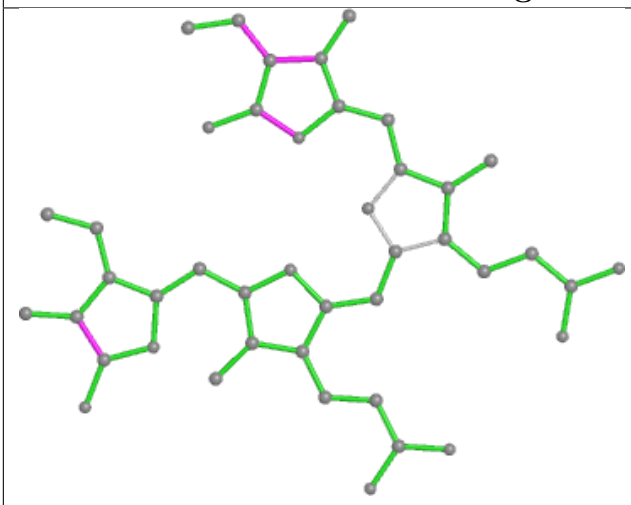


Rings

Ligand PEB N2 202



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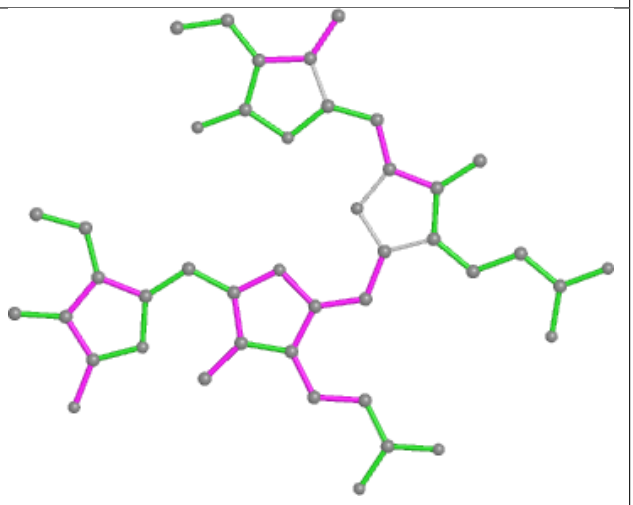
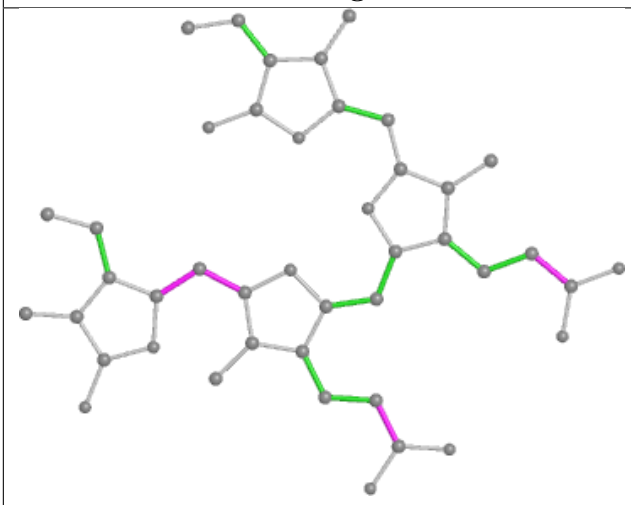


Bond angles



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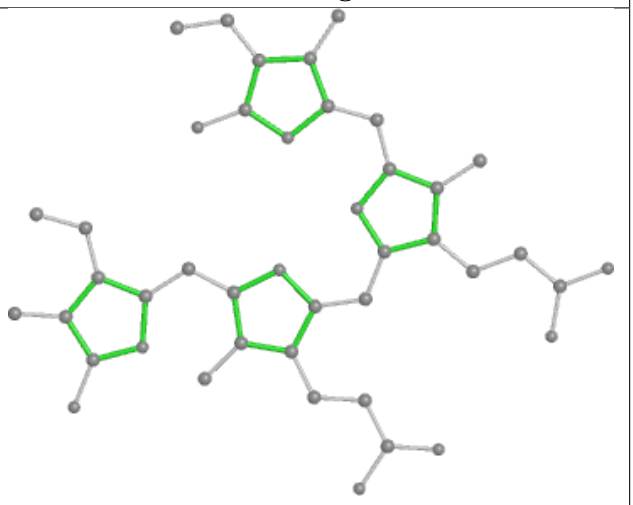
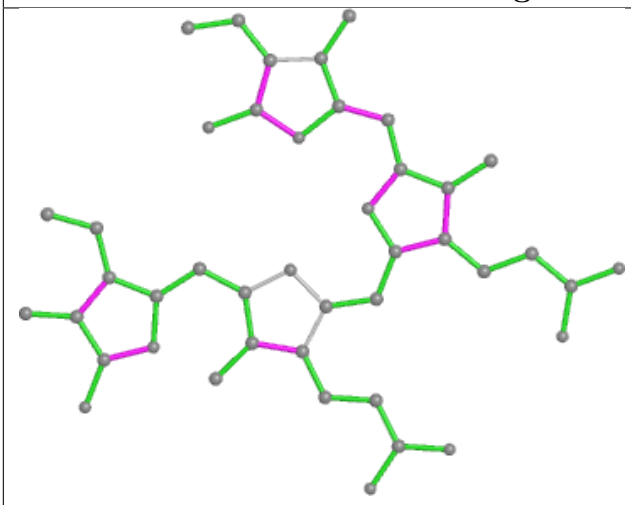


Rings

Ligand PUB Q8 203



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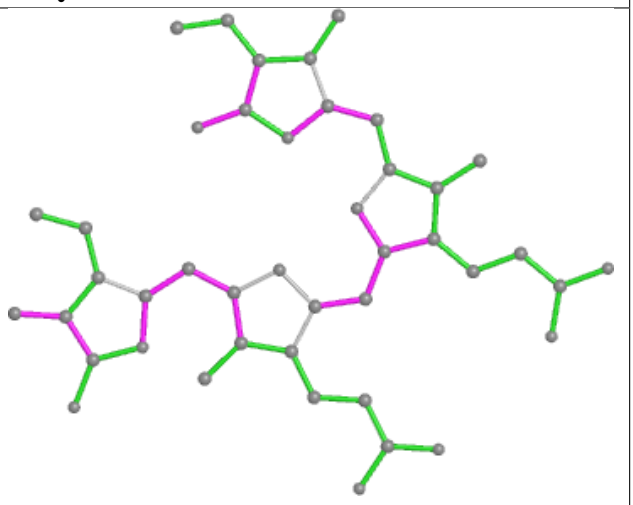

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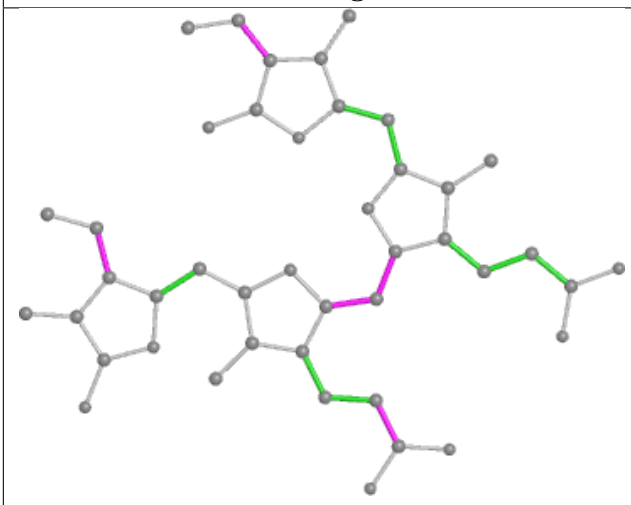
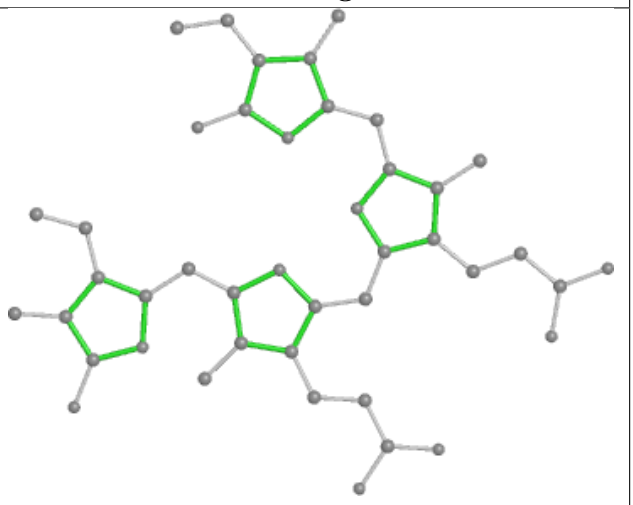
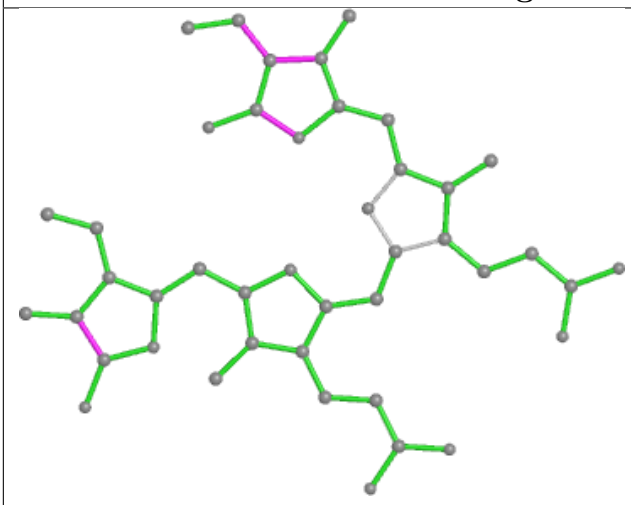


Torsions



Rings

Ligand PEB B2 502



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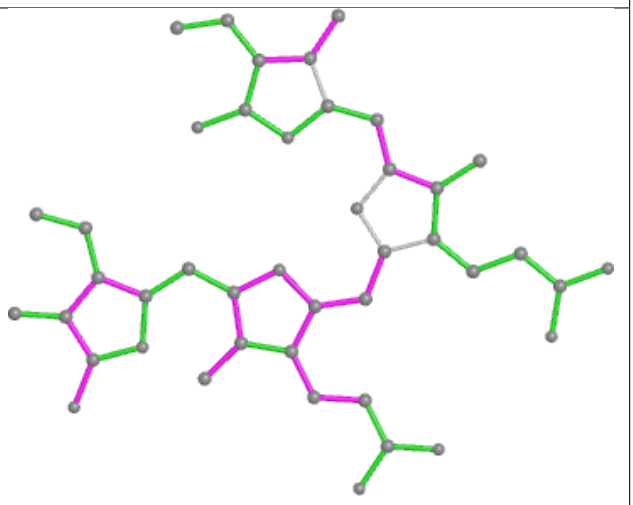
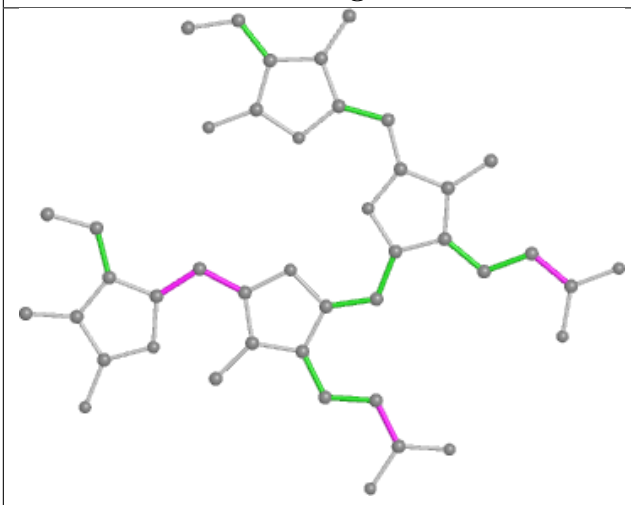


Bond angles



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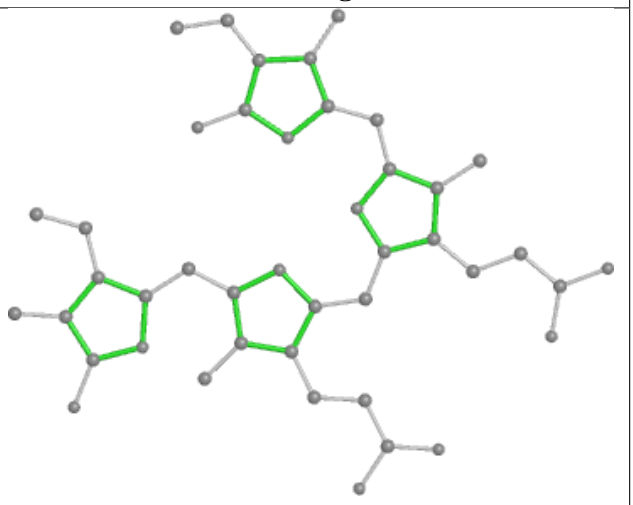
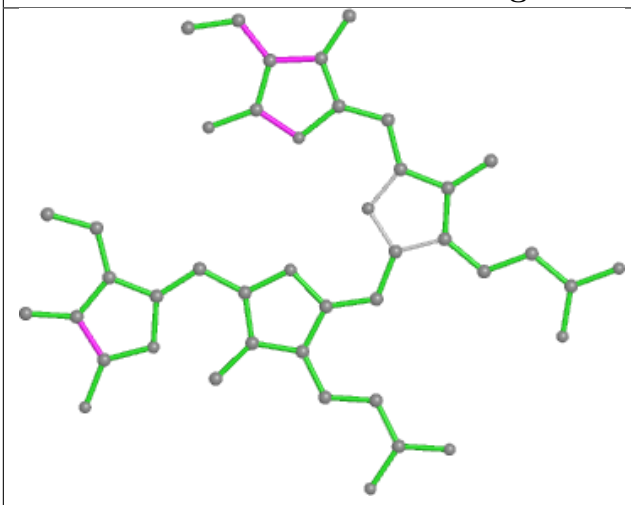


Rings

Ligand PEB b5 1001



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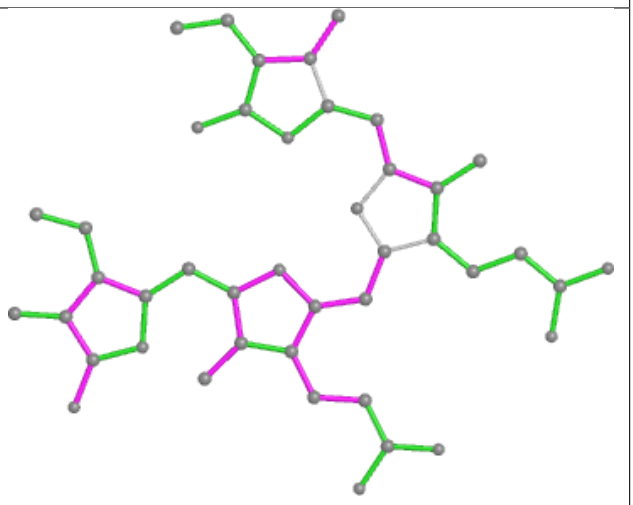

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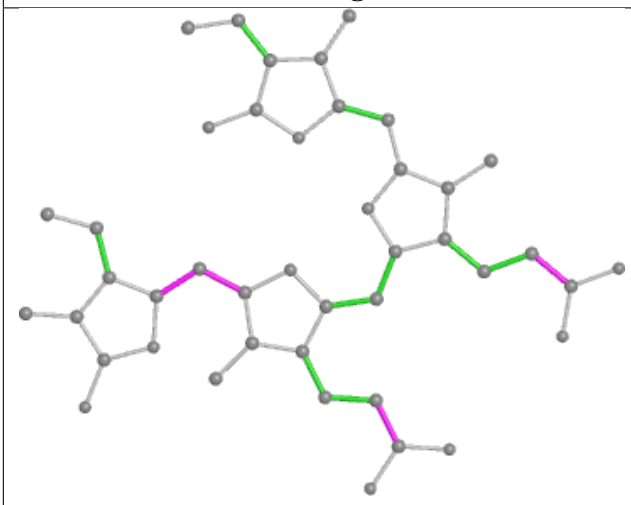

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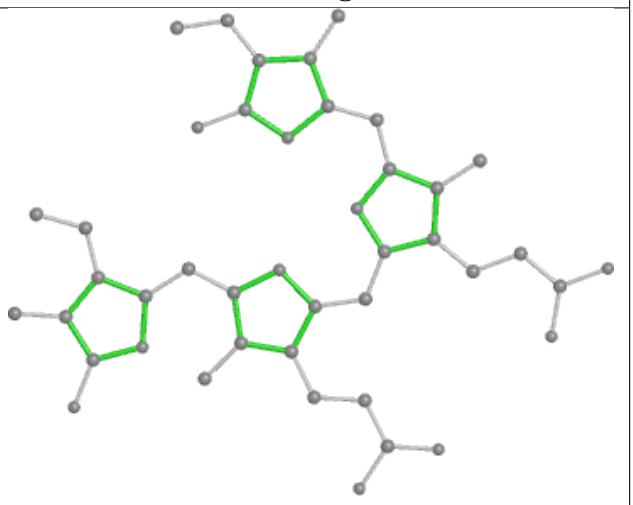
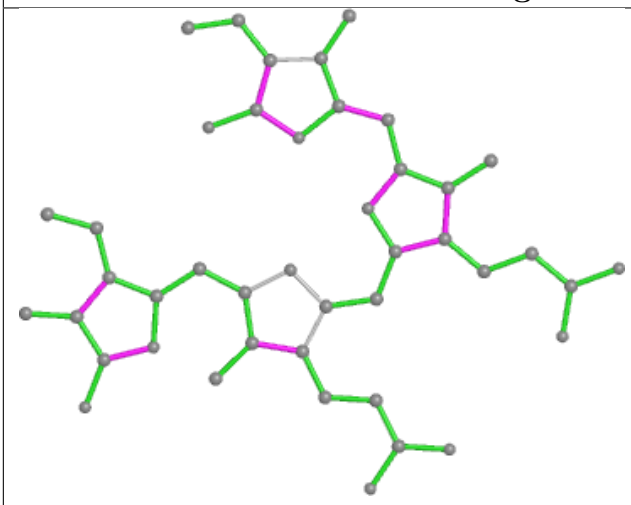


Rings

Ligand PUB w8 203



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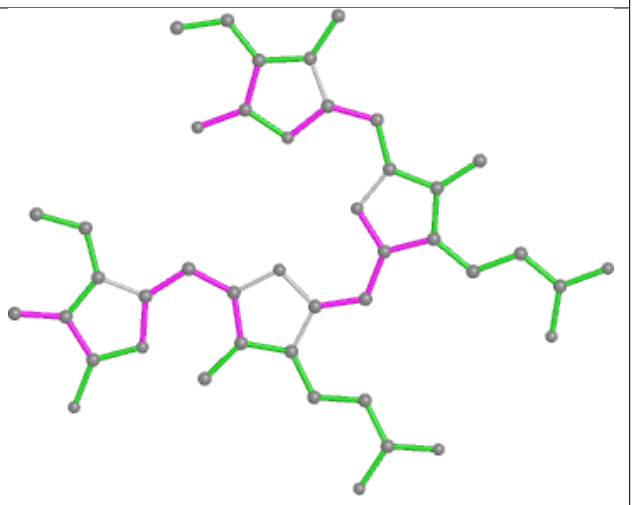

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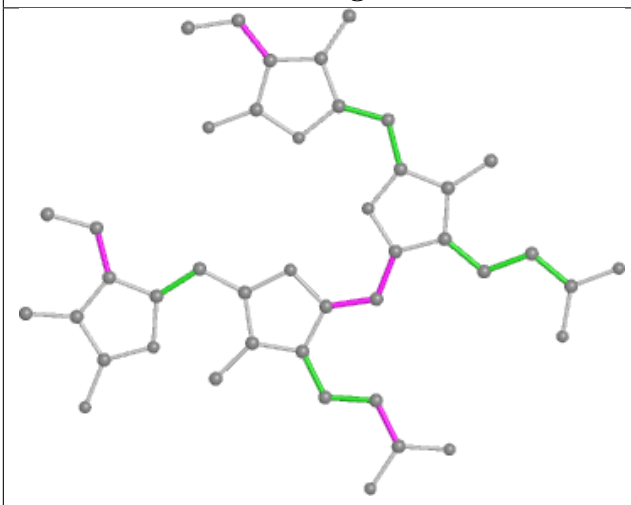

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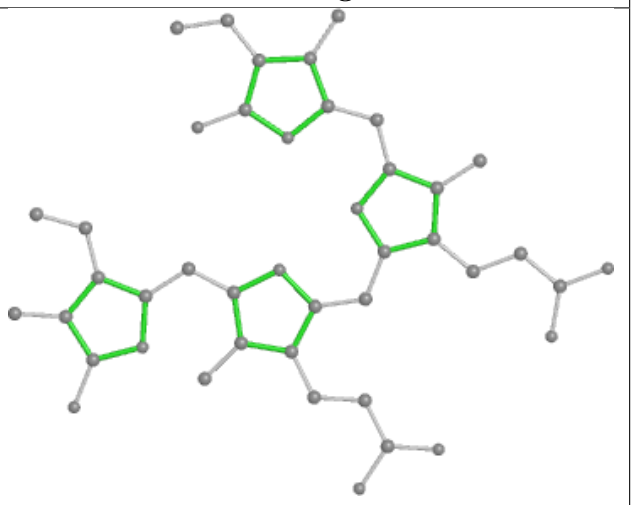
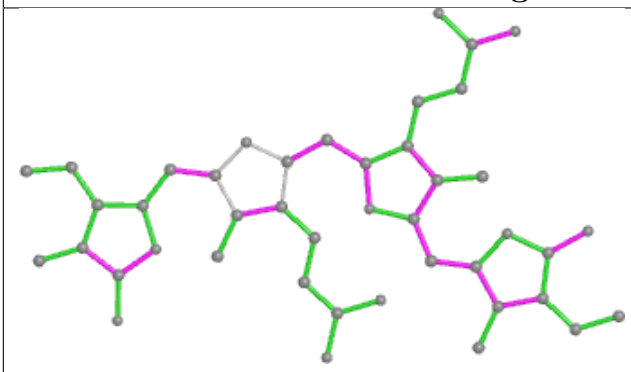


Rings

Ligand CYC m1 201



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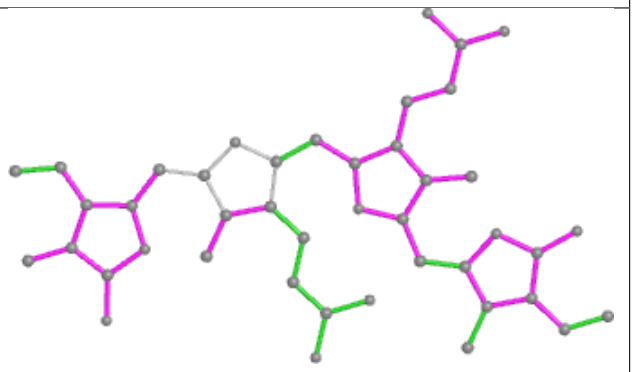

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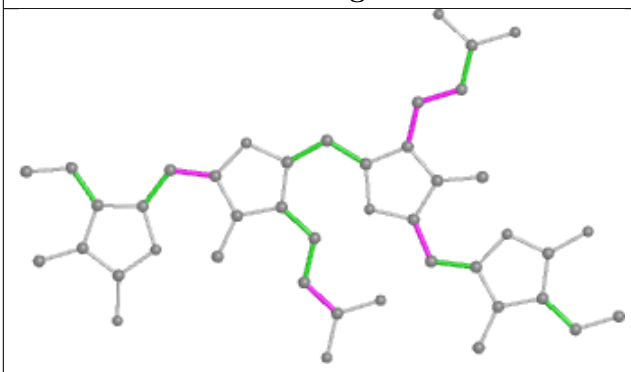

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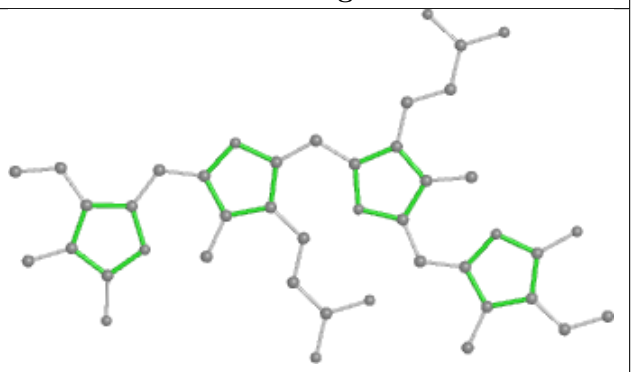
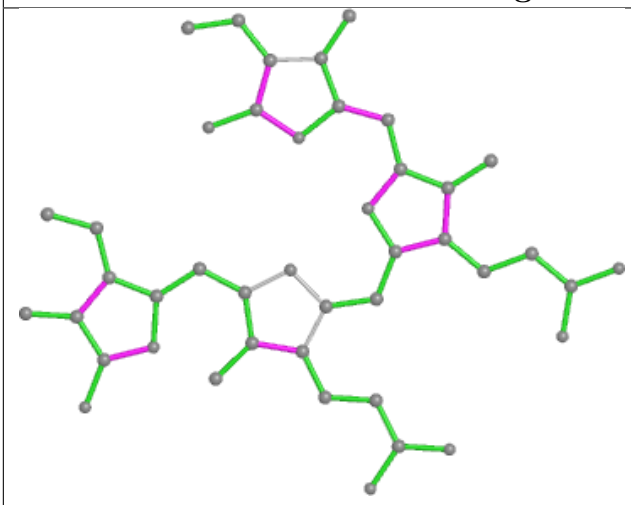


Rings

Ligand PUB T8 304



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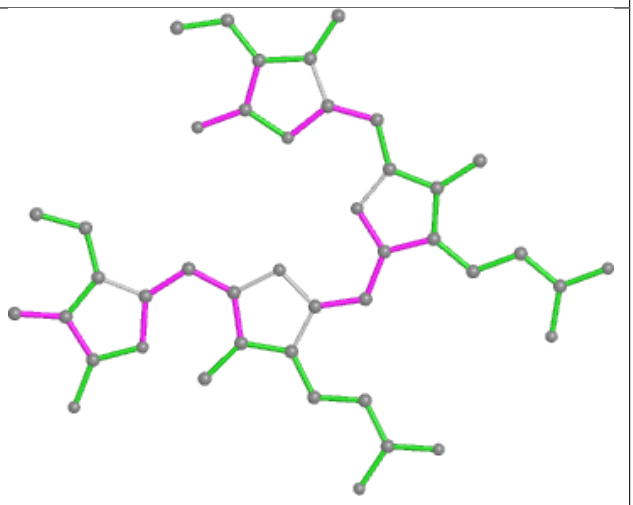

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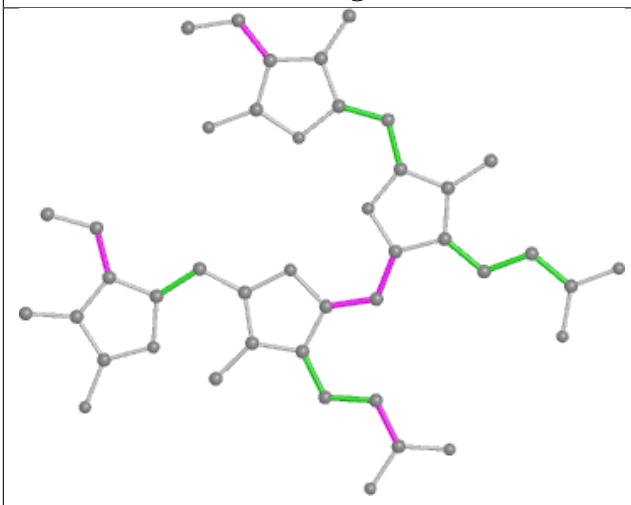

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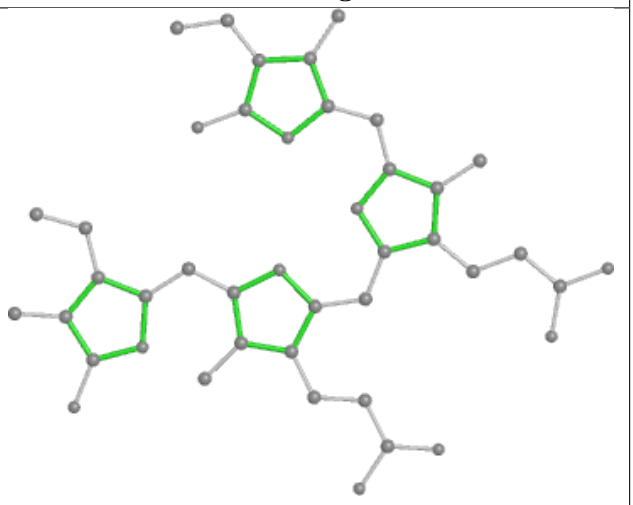
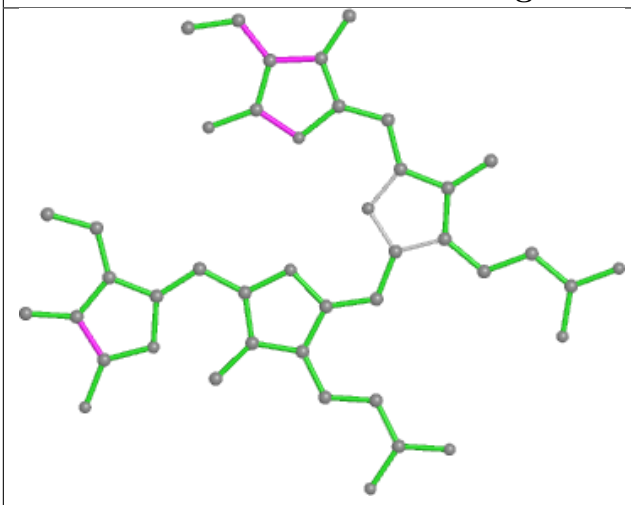


Rings

Ligand PEB Y8 202



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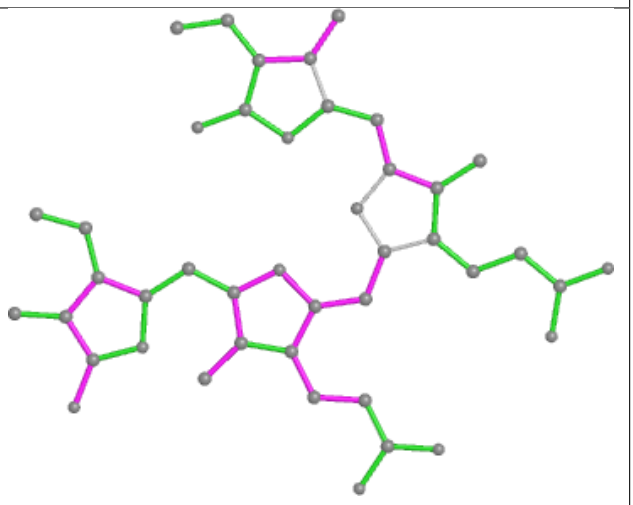

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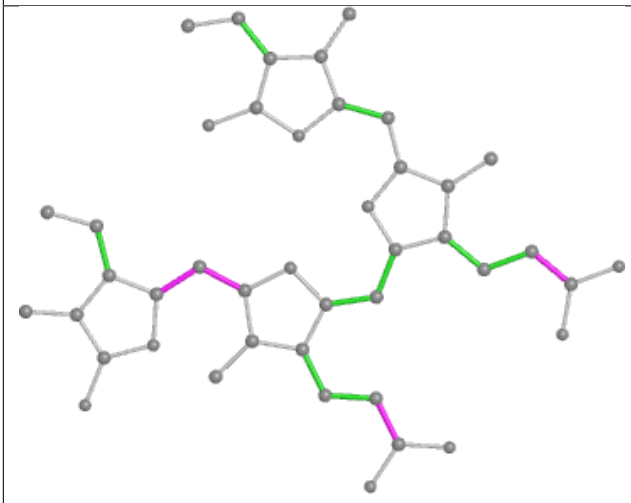

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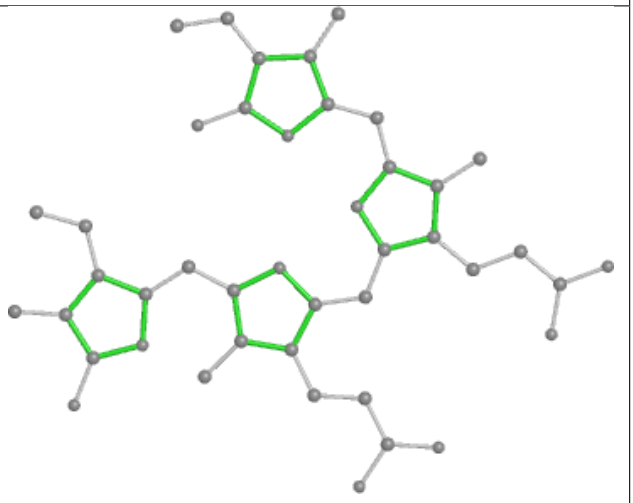
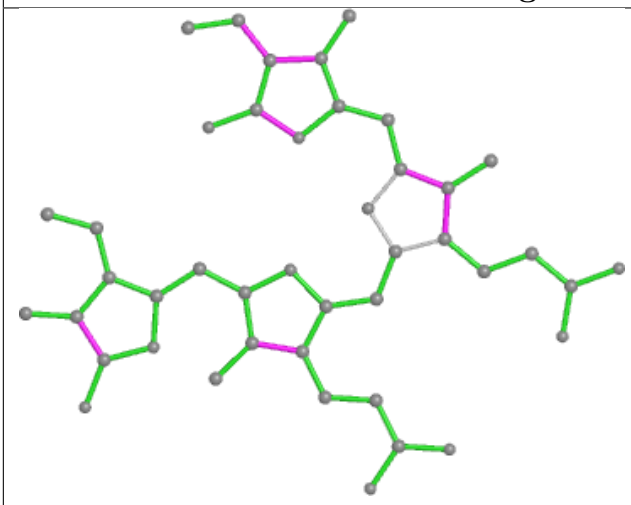


Rings

Ligand PEB cL 202



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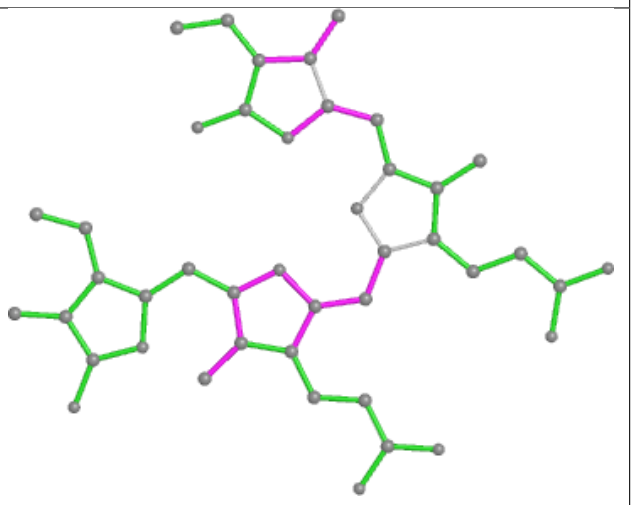

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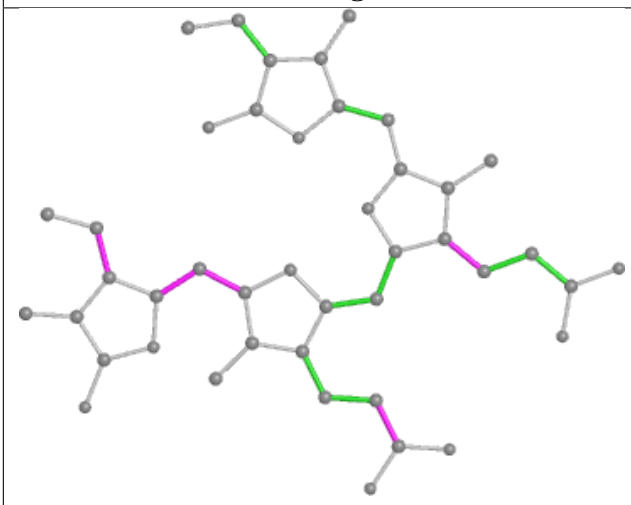

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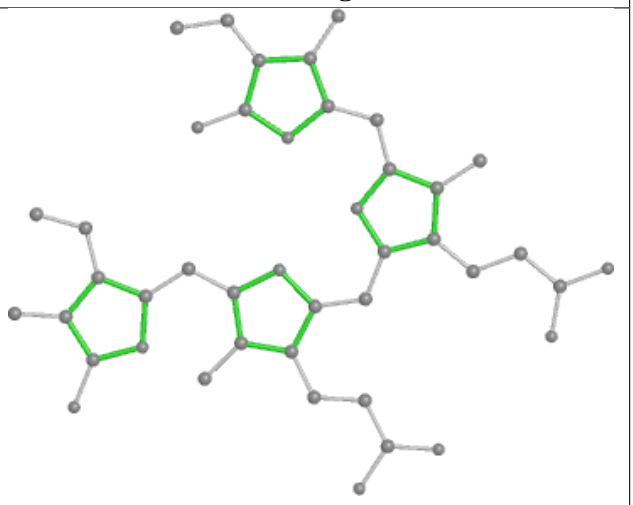
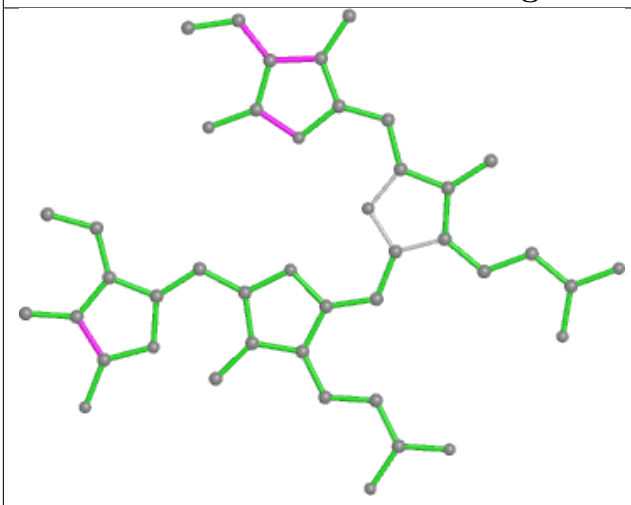


Rings

Ligand PEB r7 201



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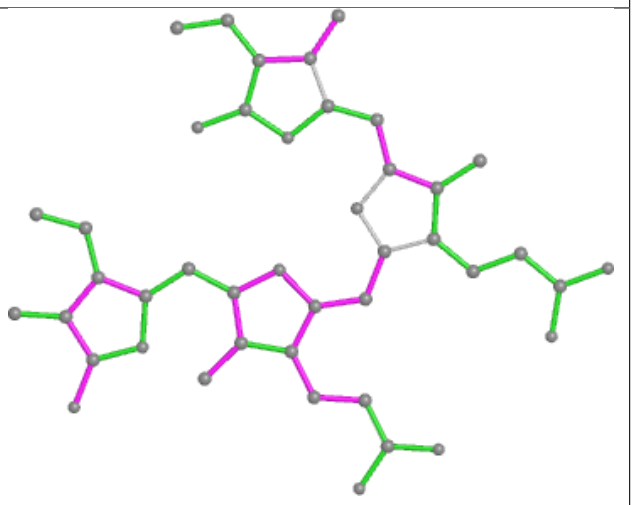

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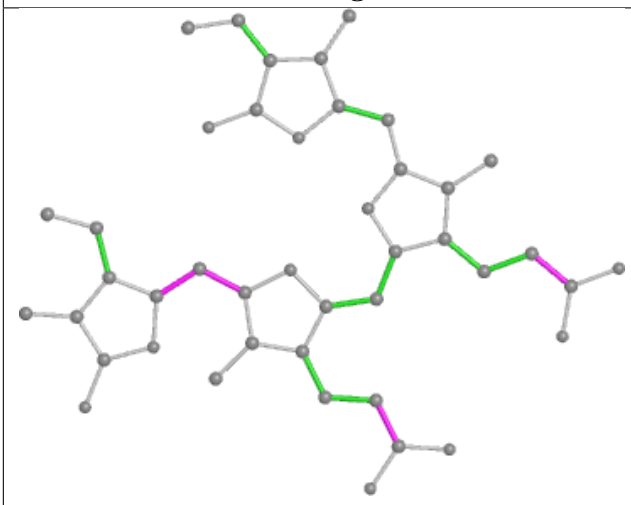

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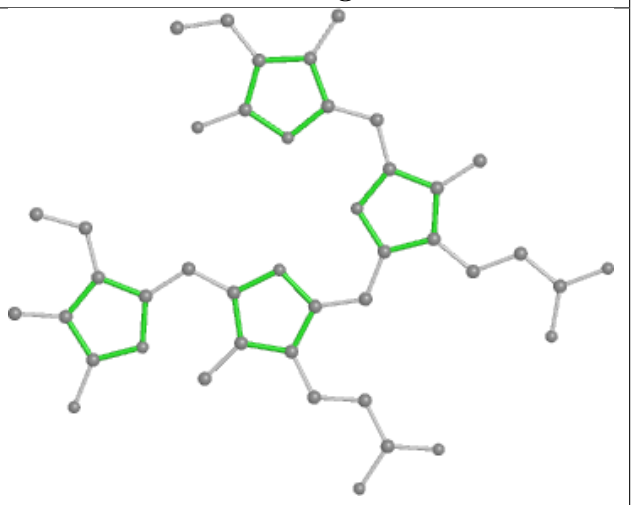

Rings

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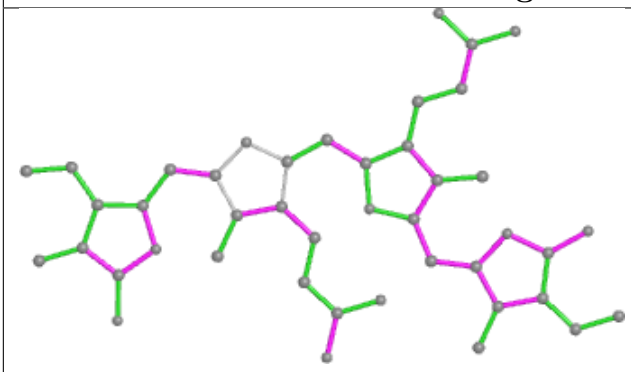

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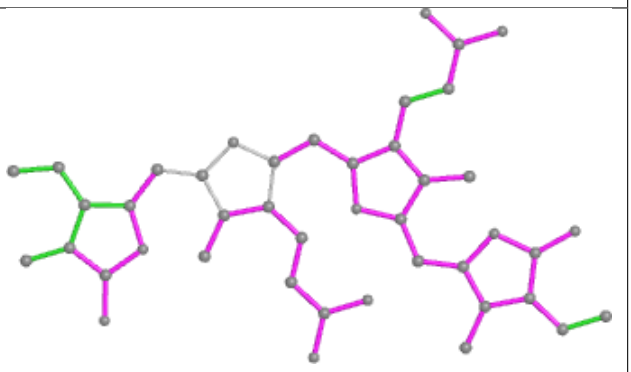

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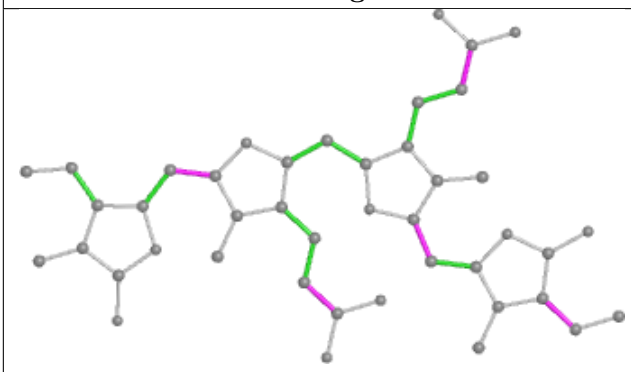

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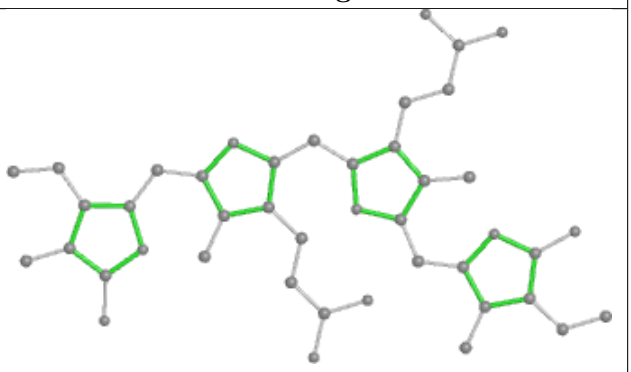
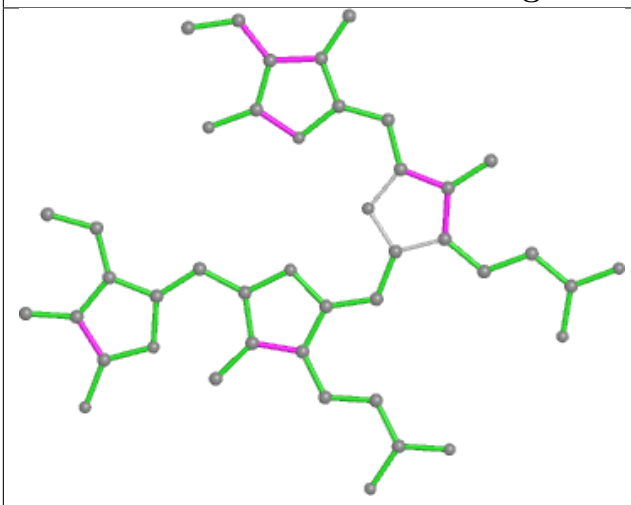


Rings

Ligand PEB fy 201



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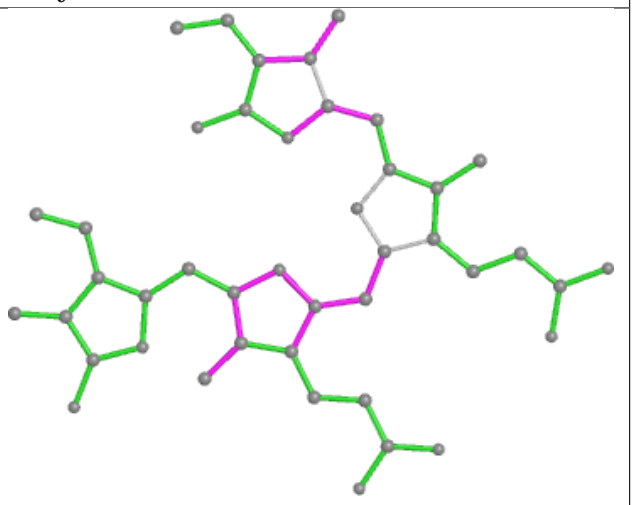

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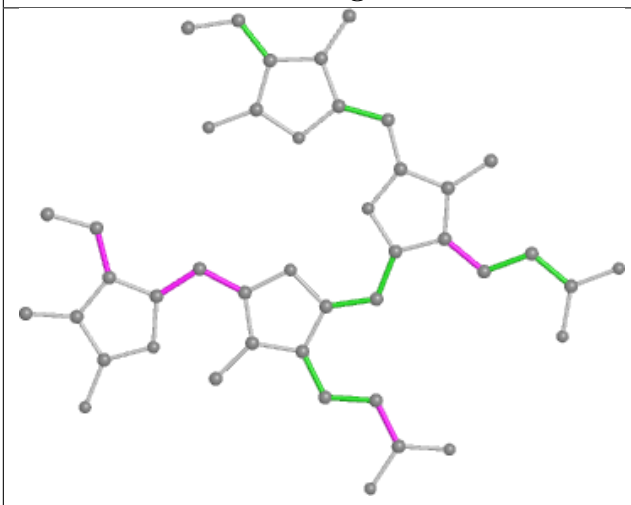

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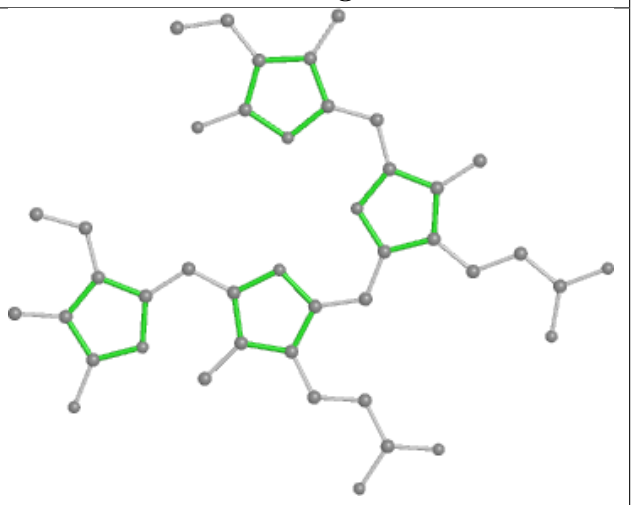
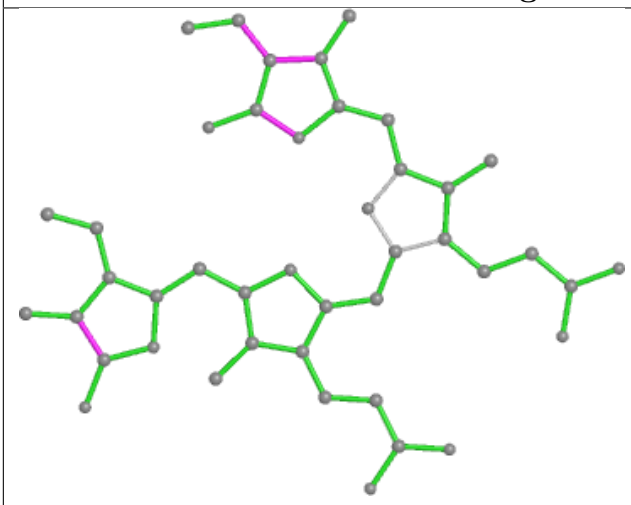


Rings

Ligand PEB g7 201



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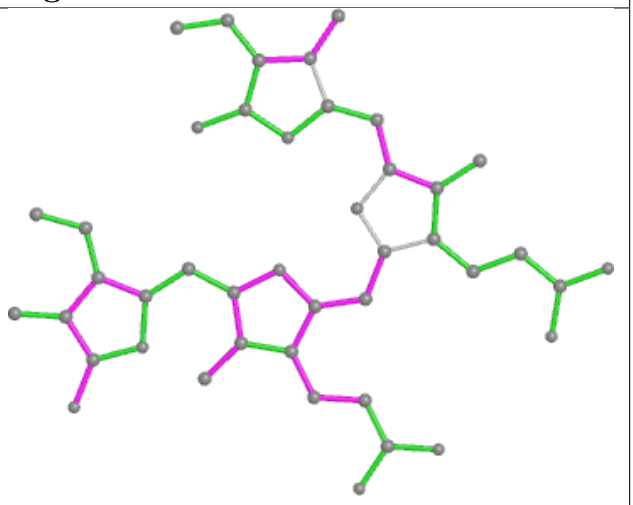

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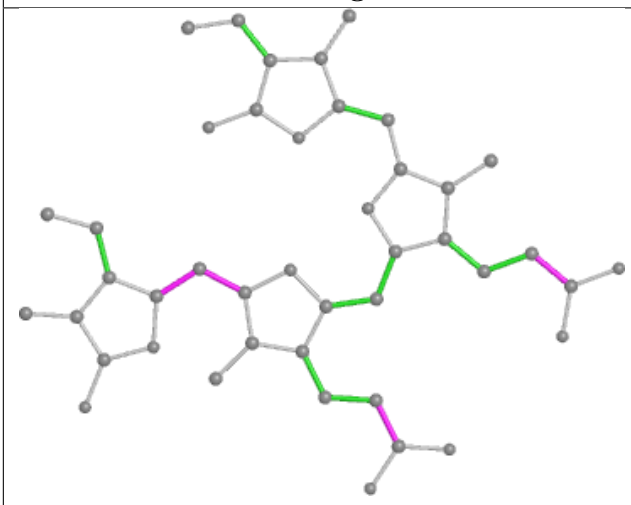

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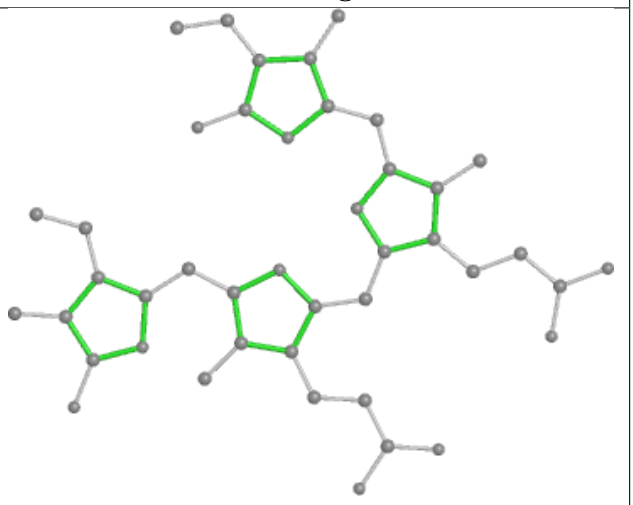
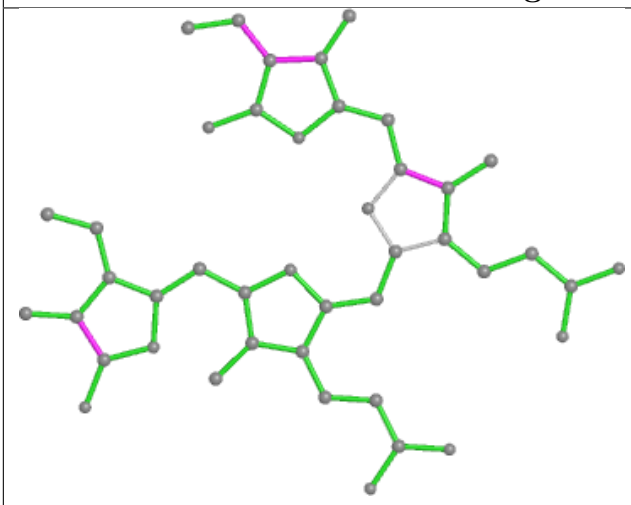


Rings

Ligand PEB fe 202



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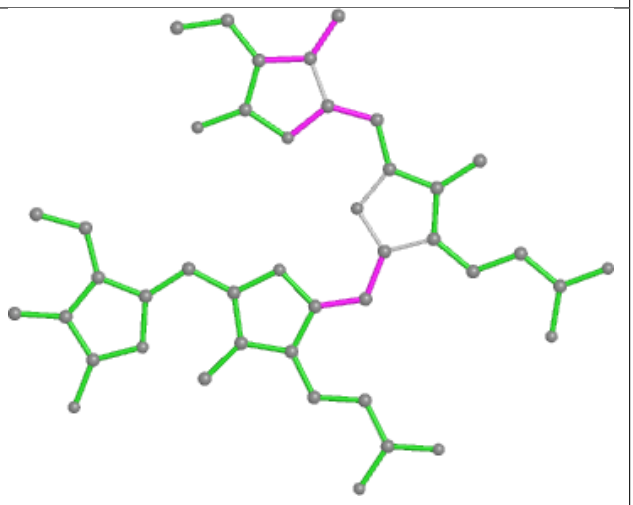

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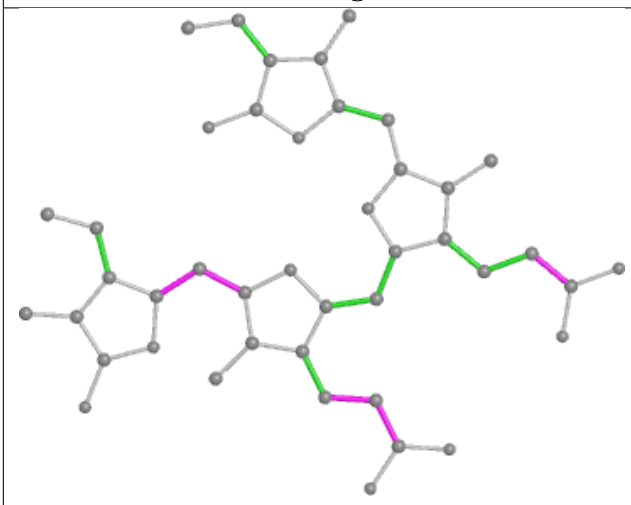

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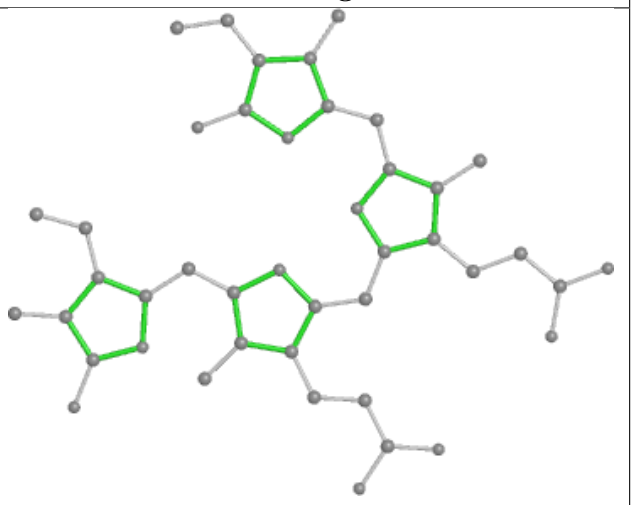

Rings

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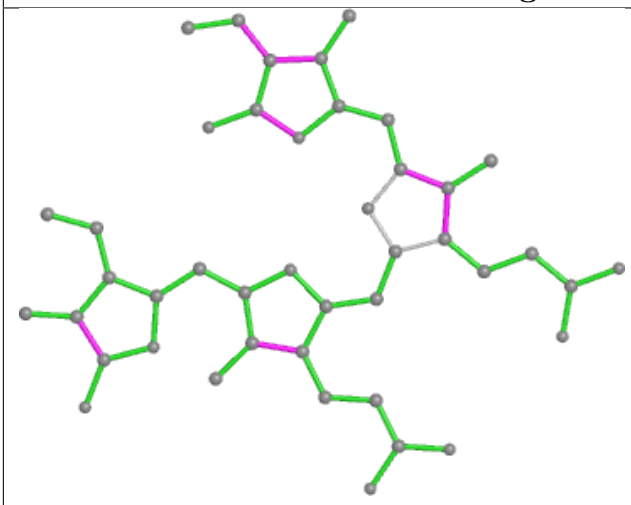

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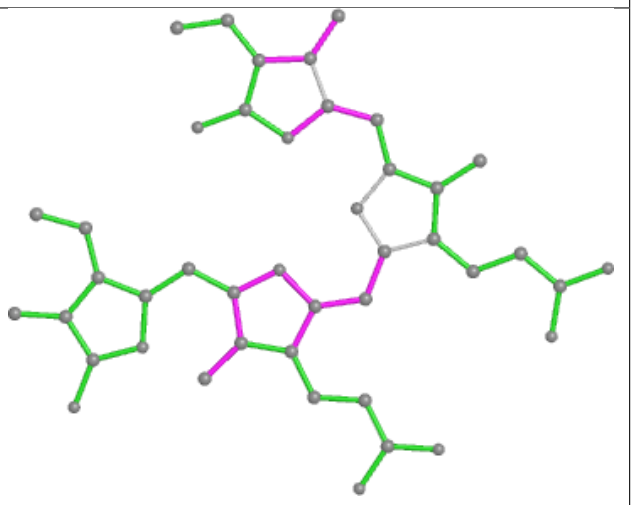
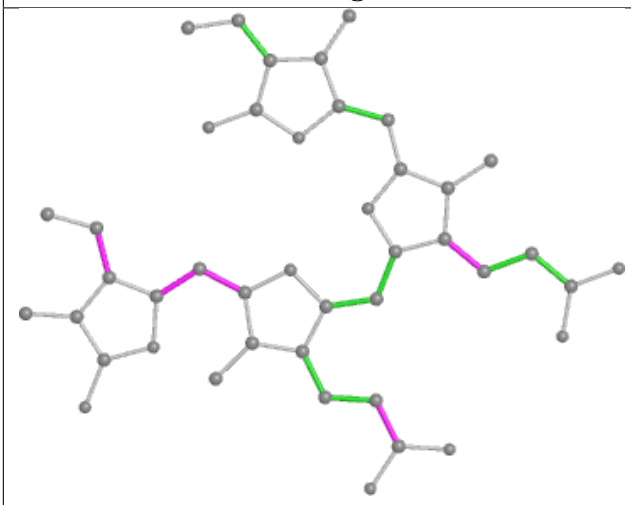


Bond angles



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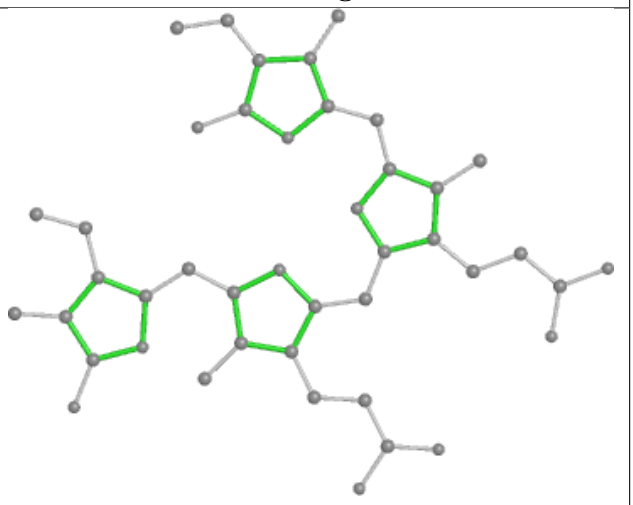
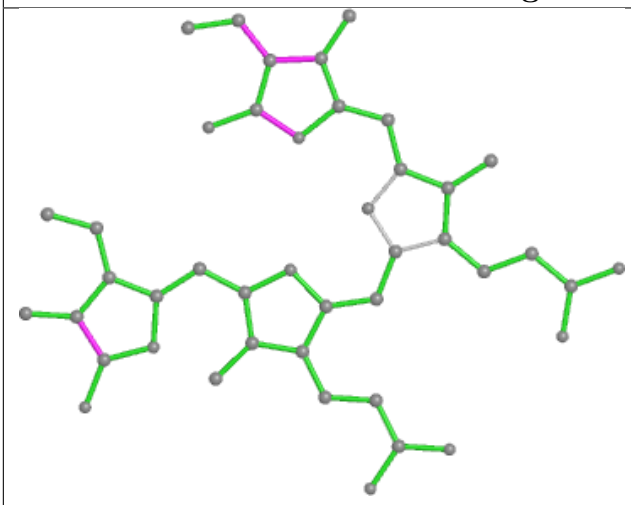


Rings

Ligand PEB cc 201



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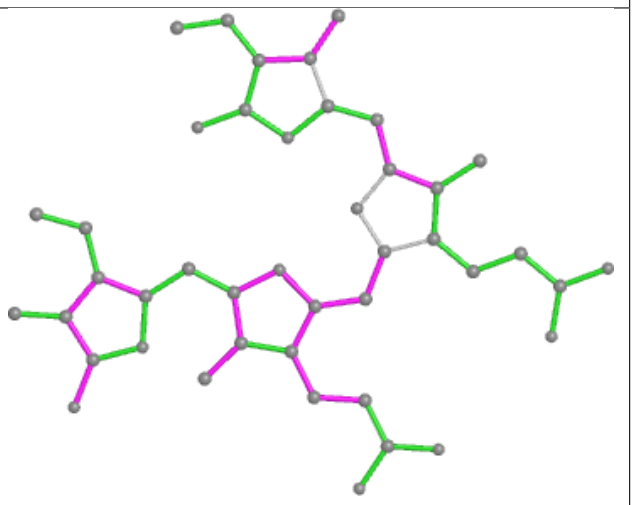

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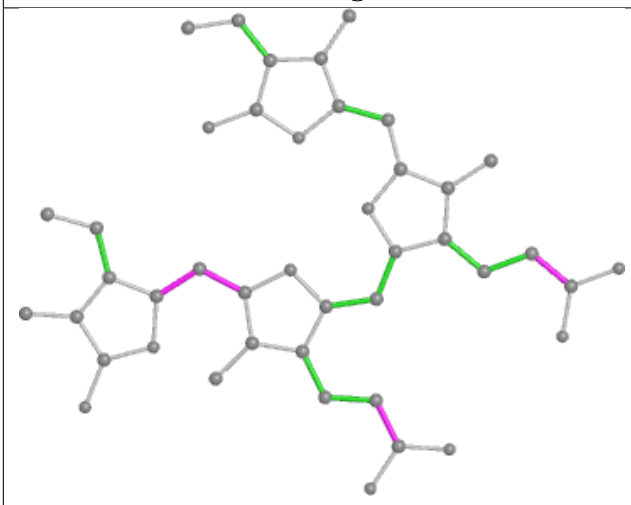
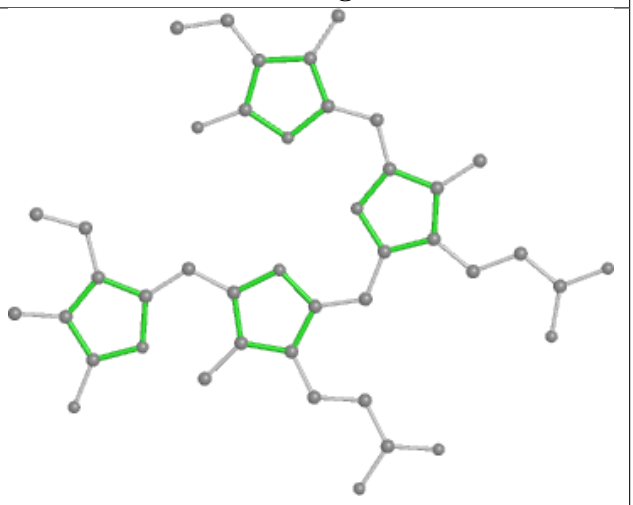


Torsions



Rings

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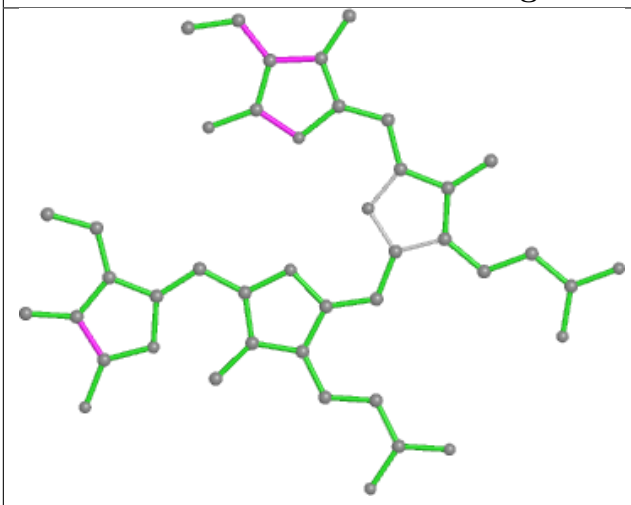

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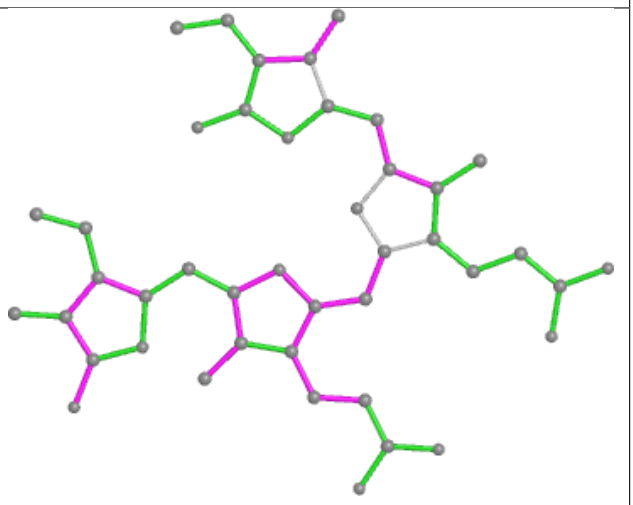

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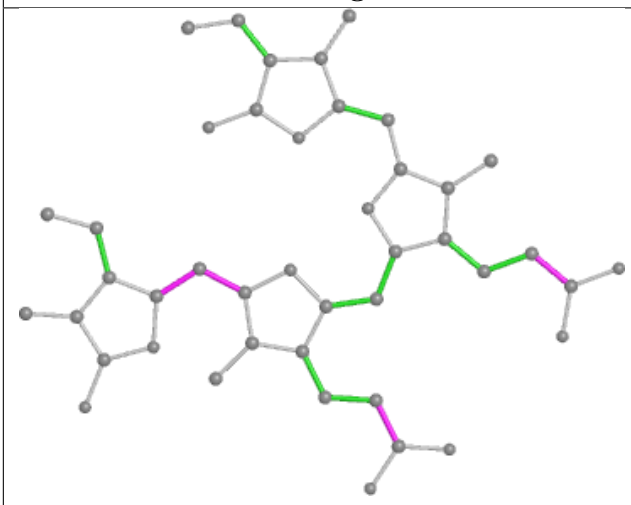

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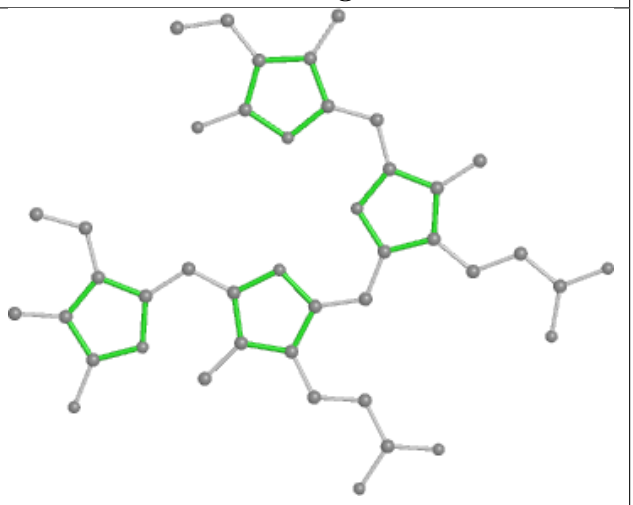

Rings

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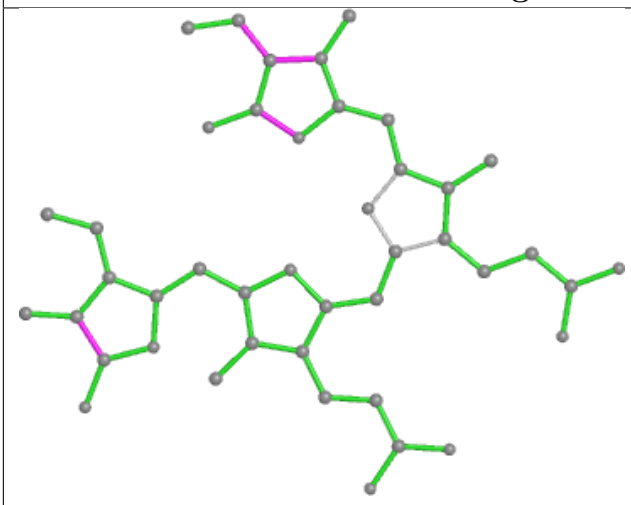

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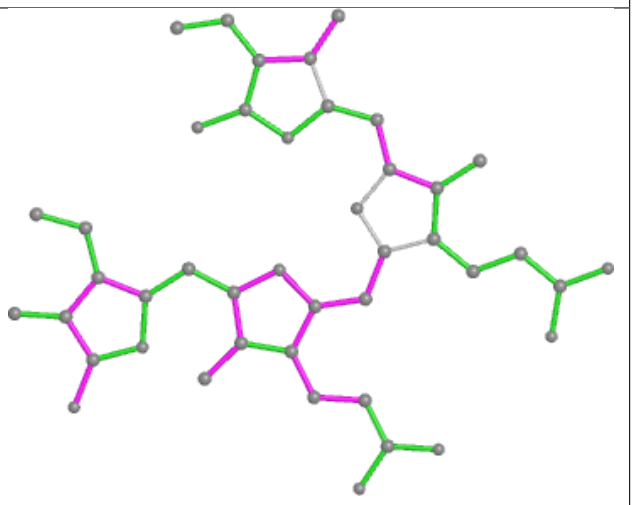

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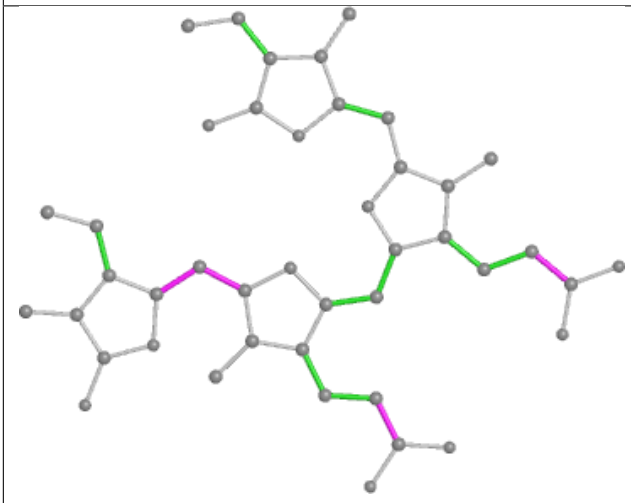

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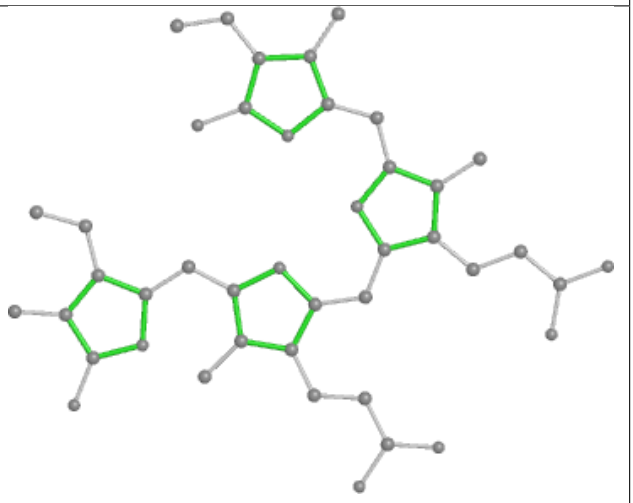

Rings

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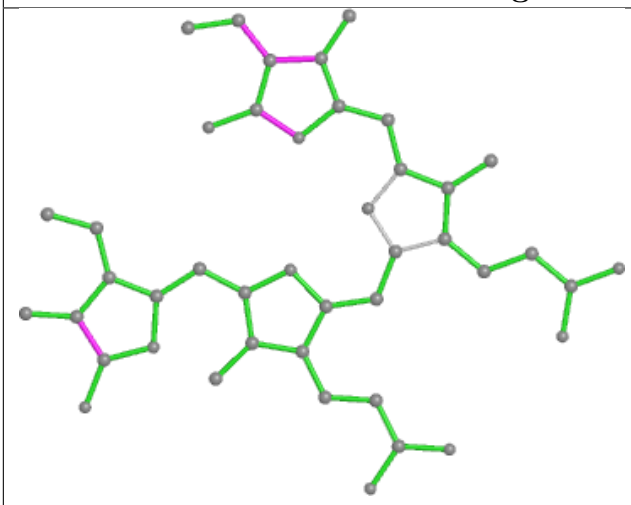

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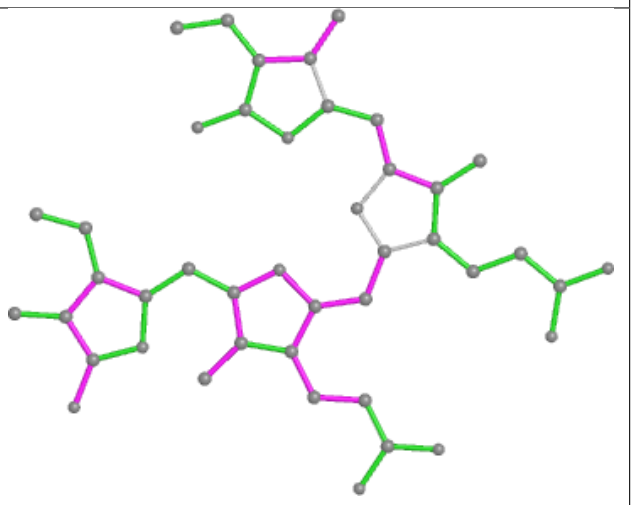

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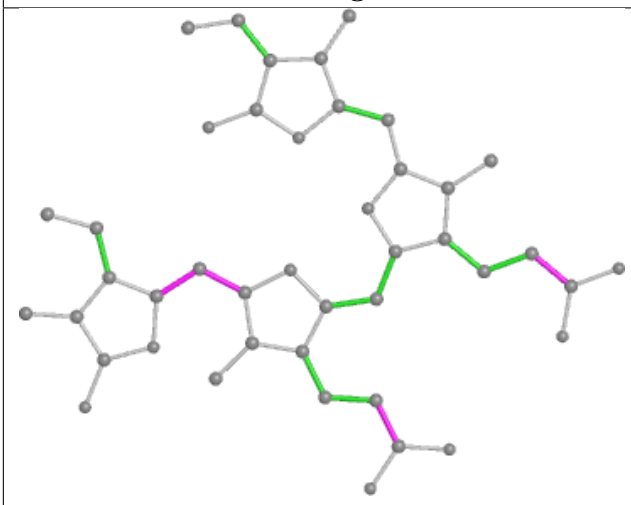

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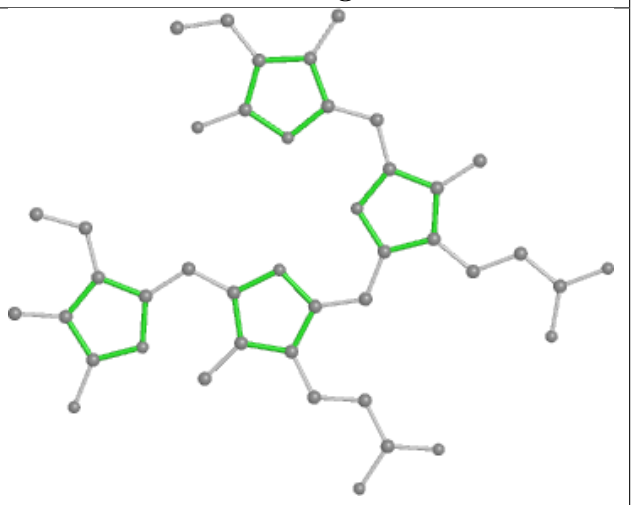

Rings

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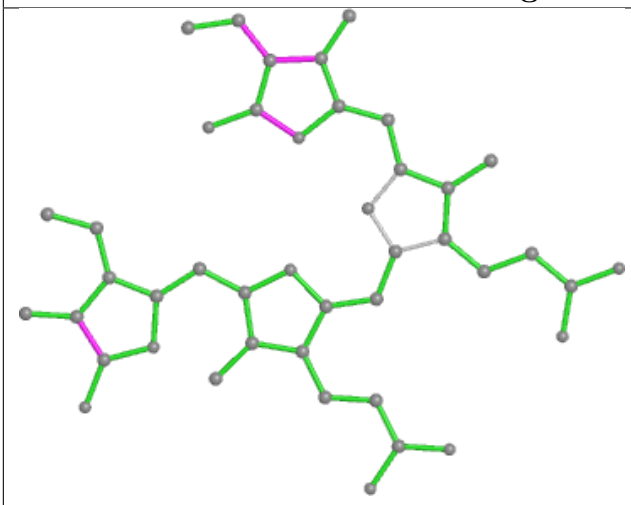

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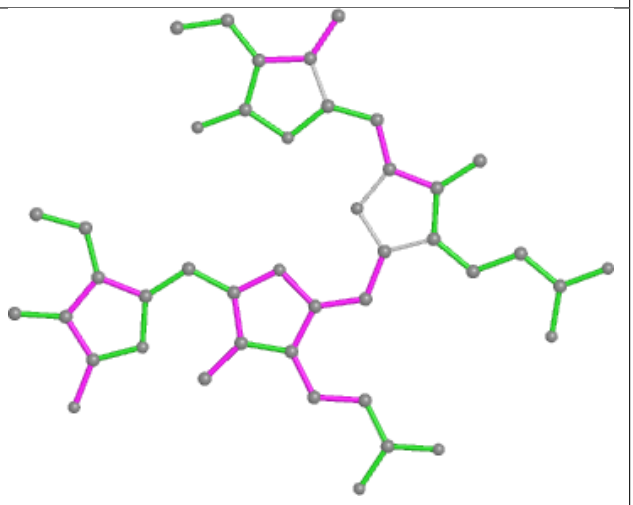

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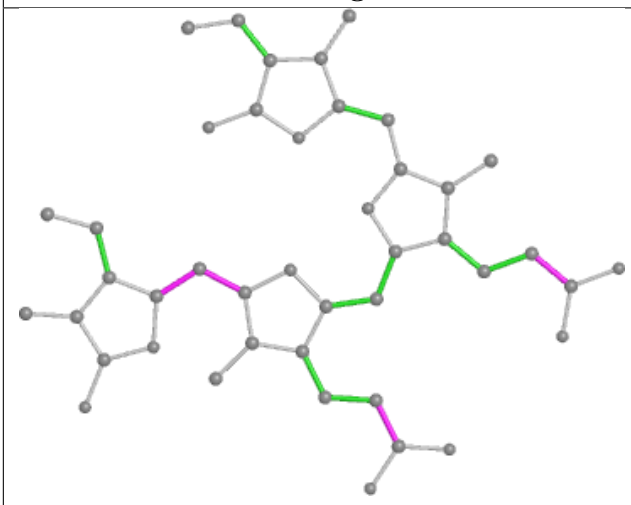

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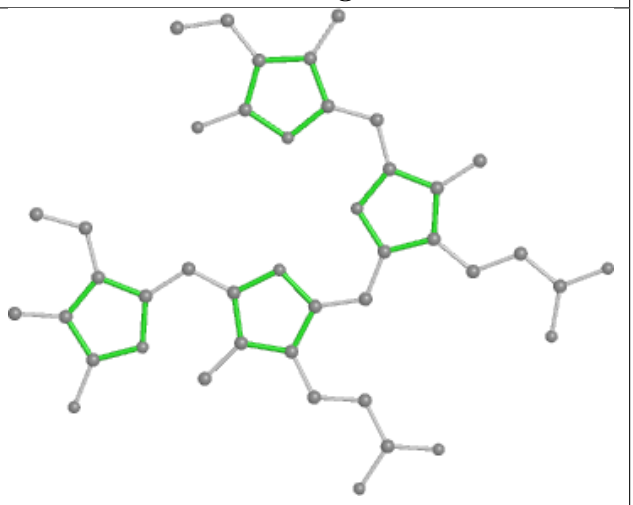

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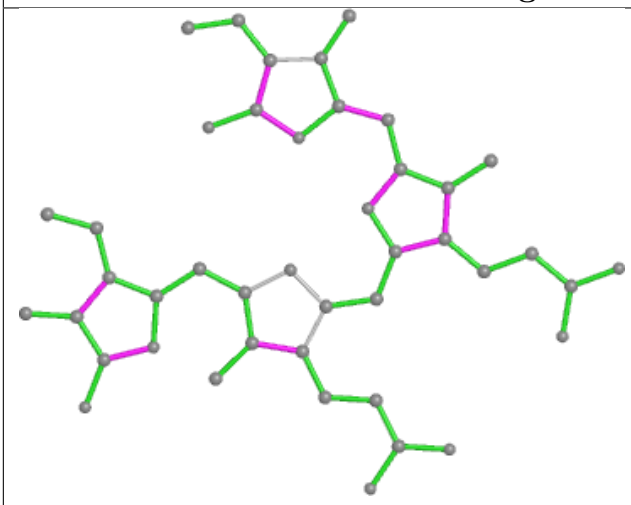

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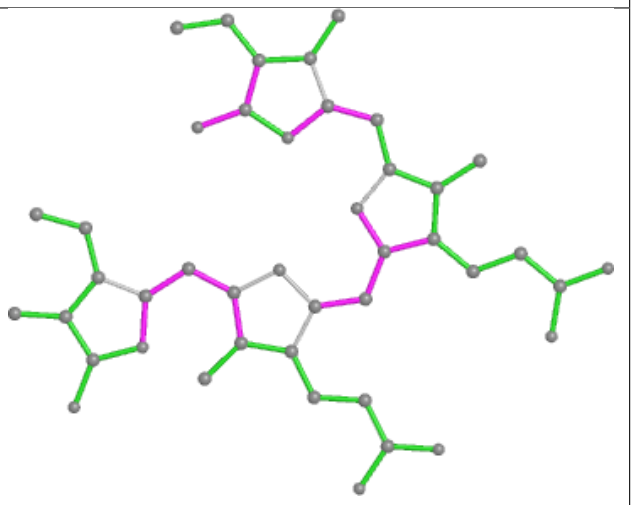

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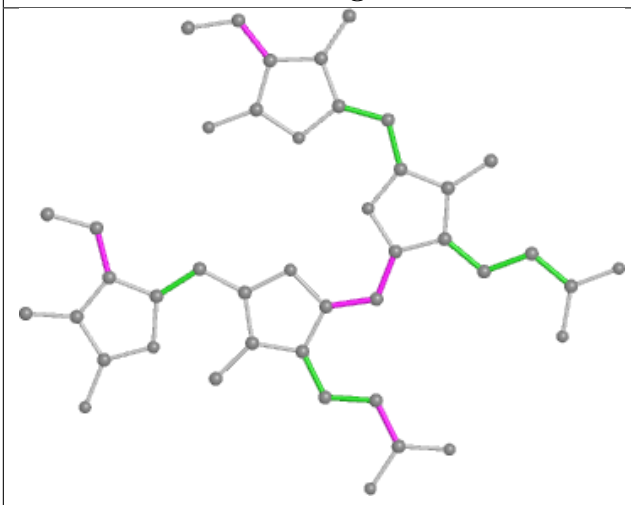

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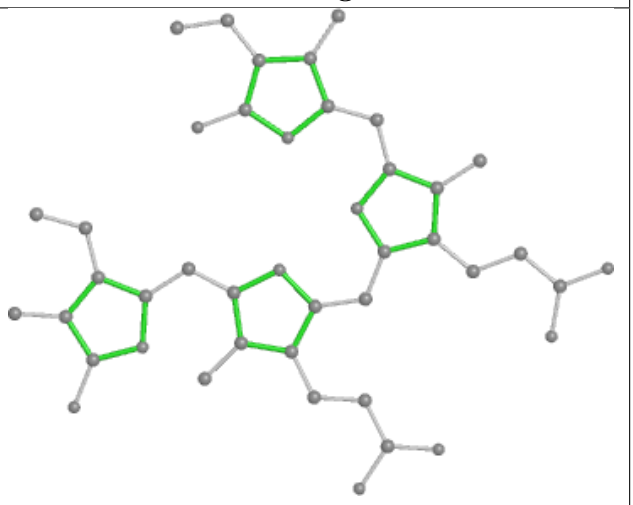

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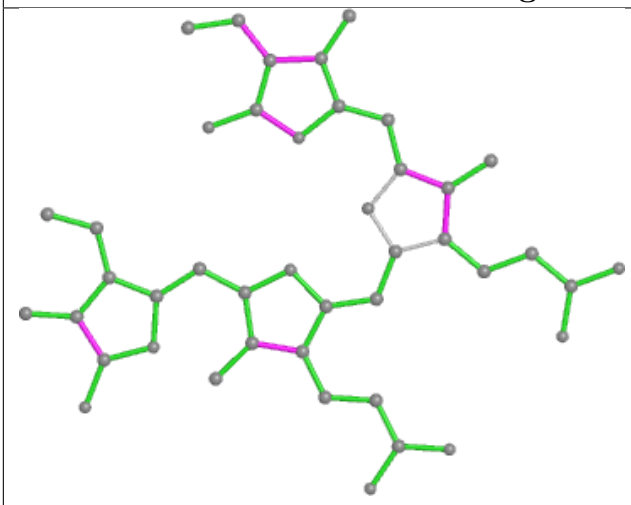

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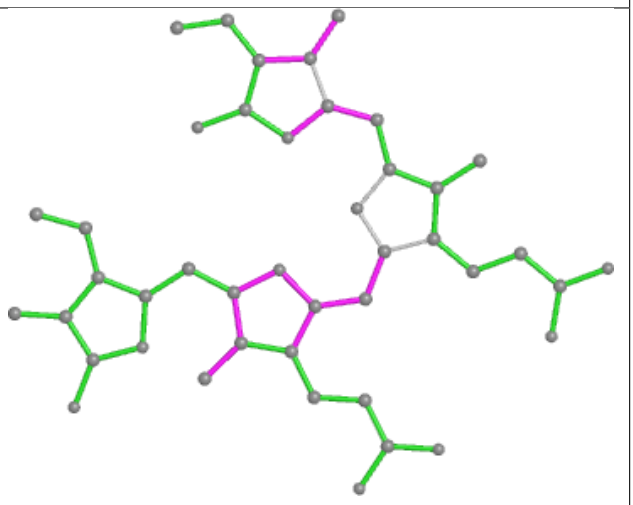

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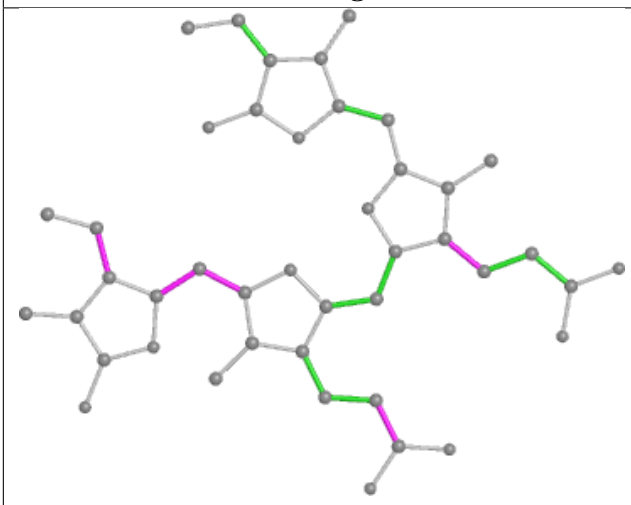

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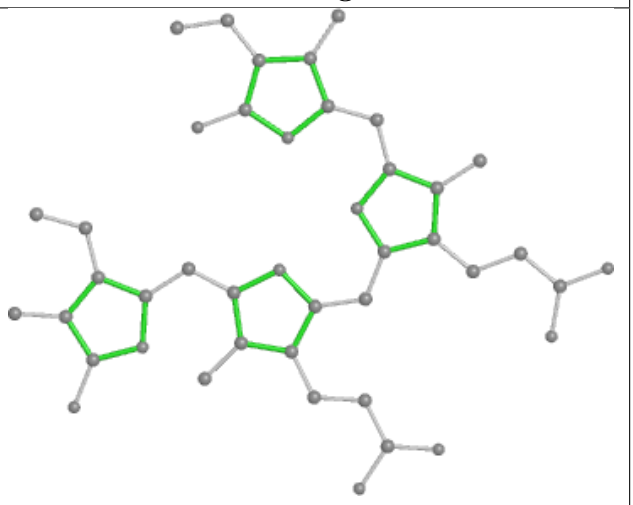

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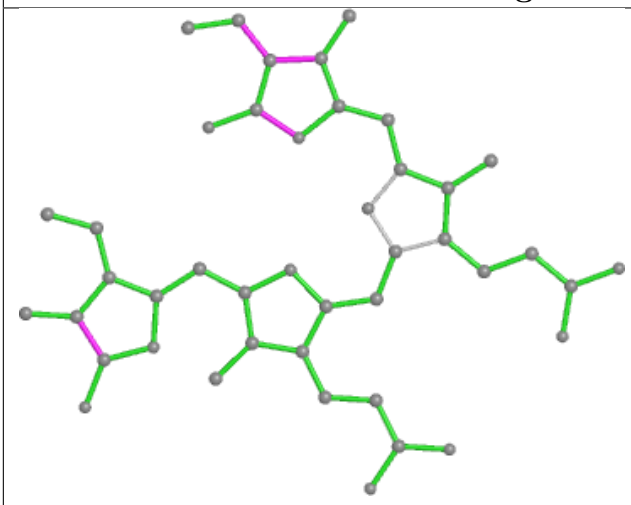

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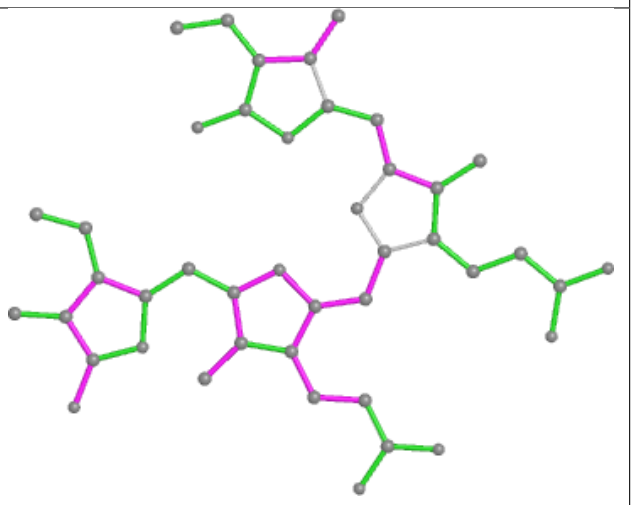

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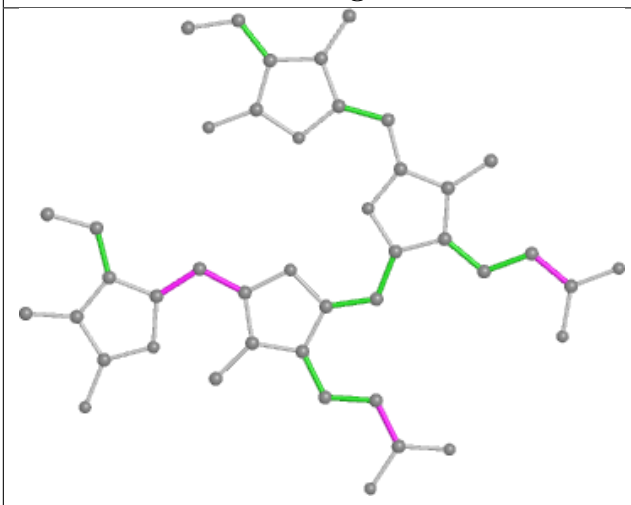

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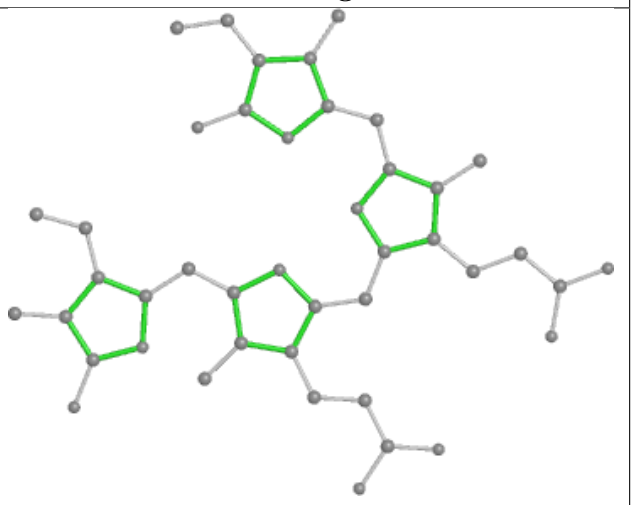

Rings

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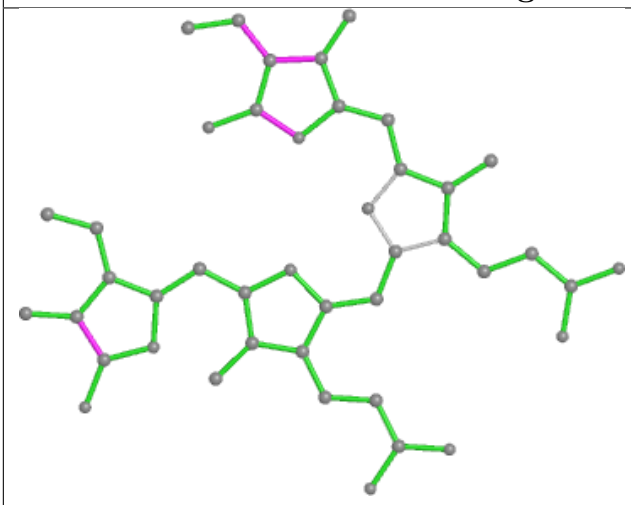

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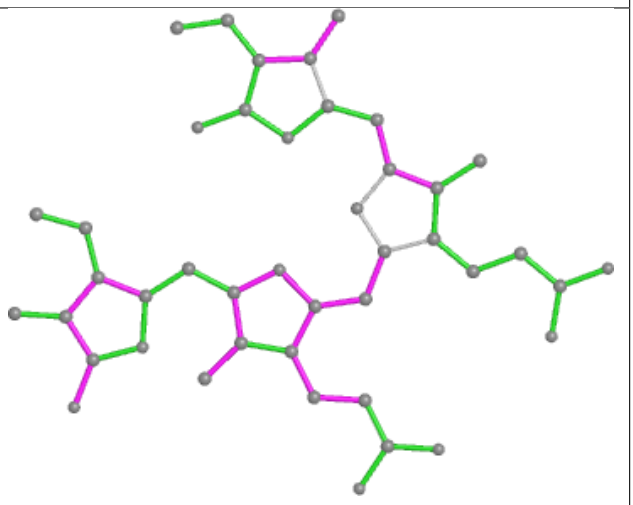

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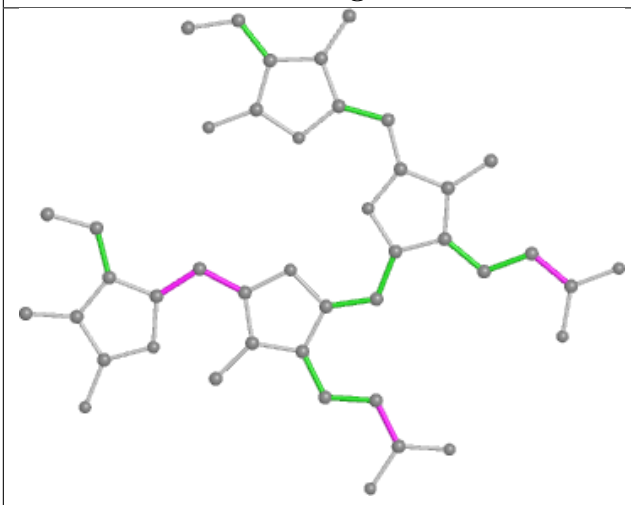

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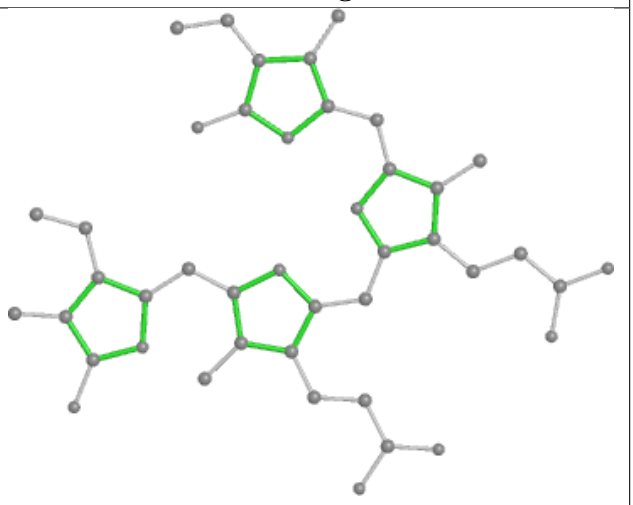

Rings

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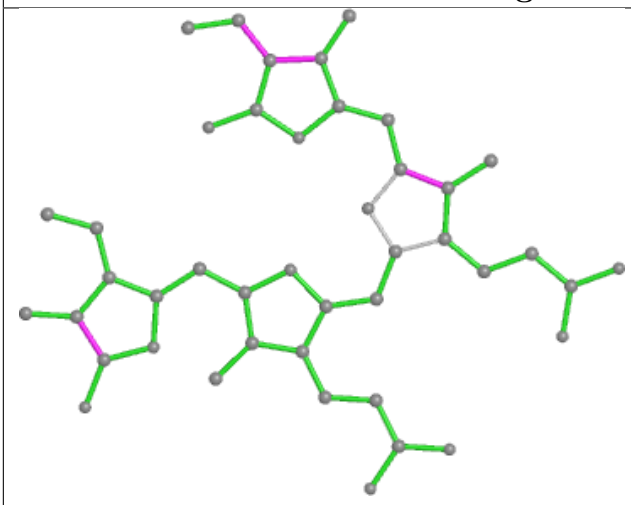

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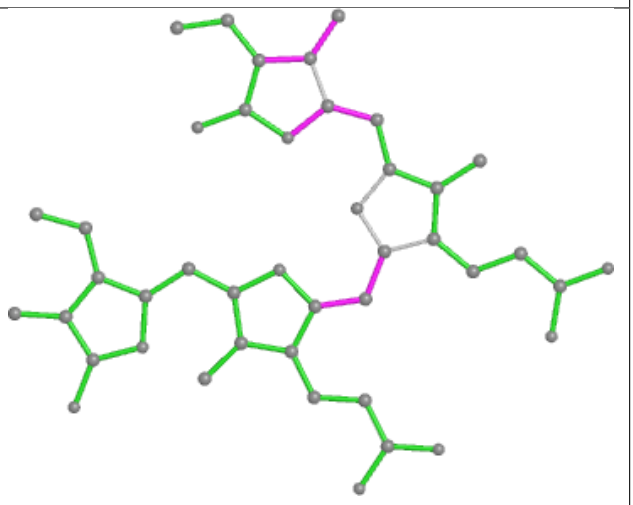

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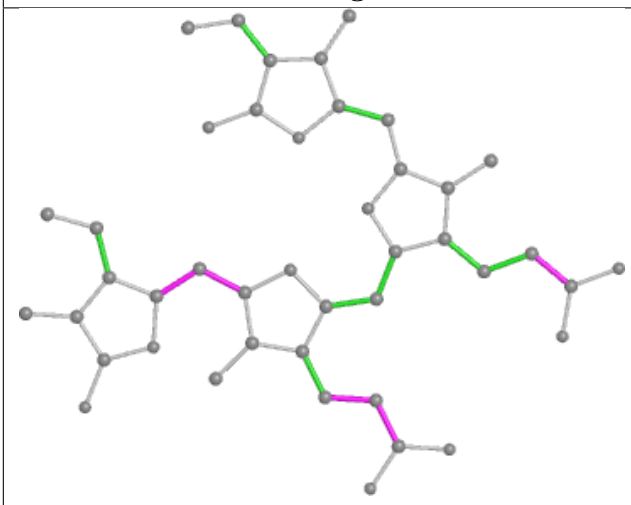

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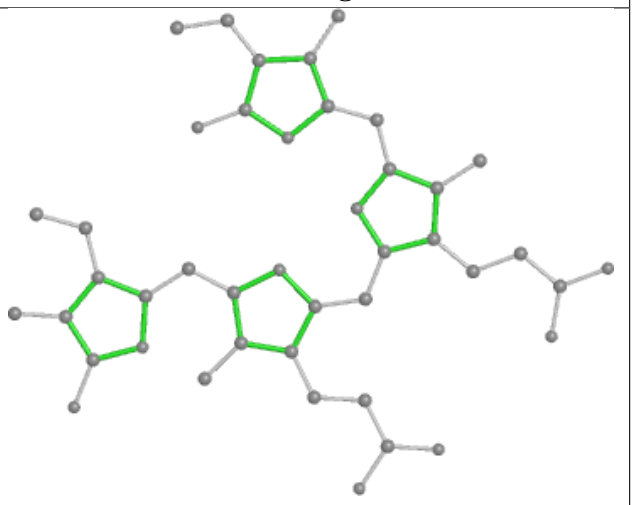

Rings

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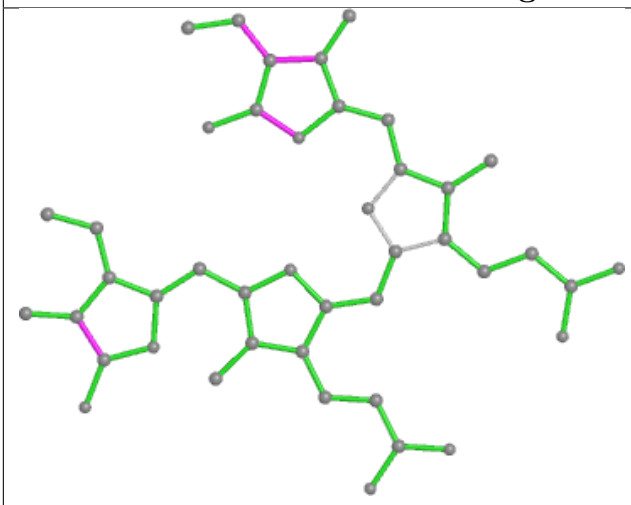

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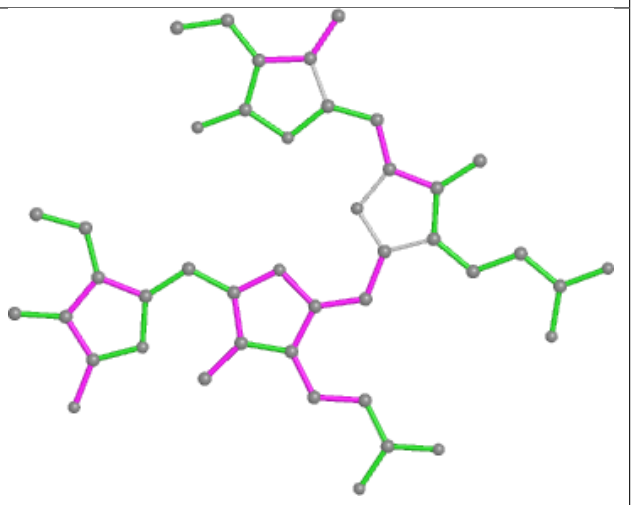

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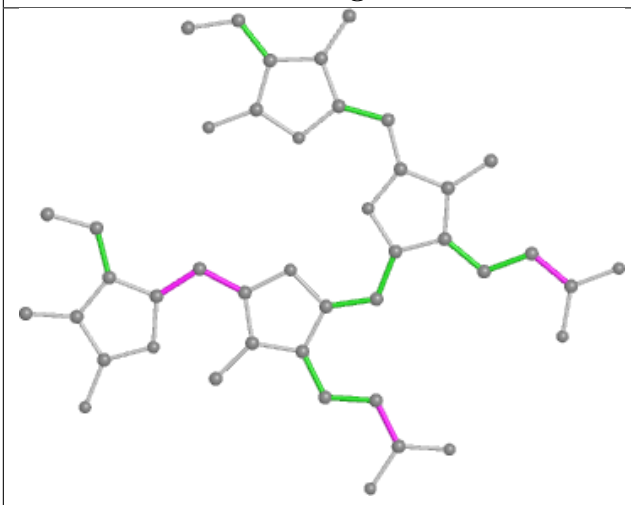

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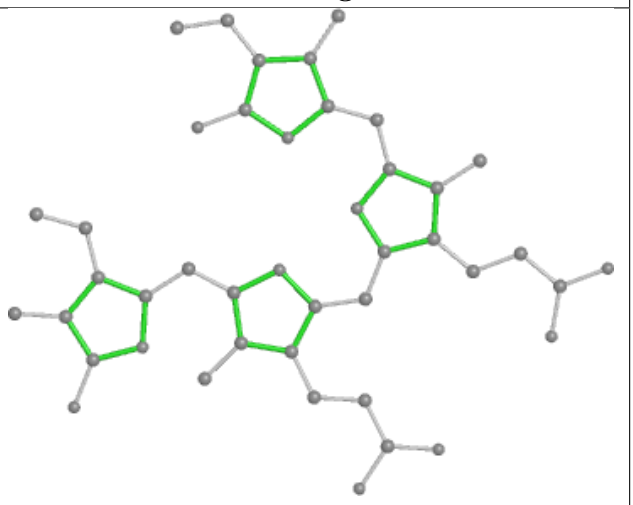

Rings

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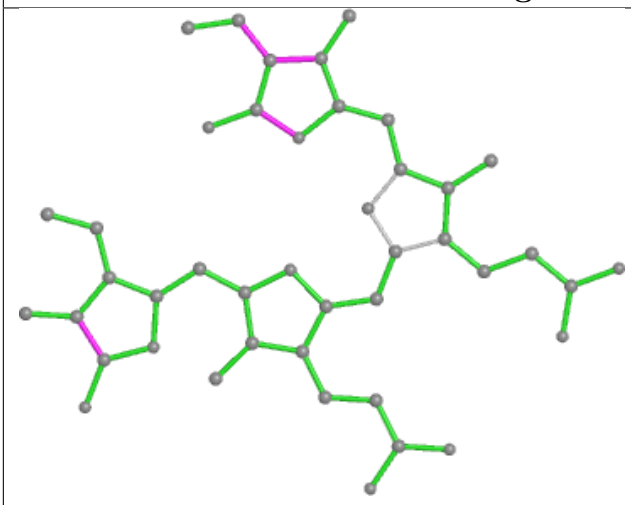

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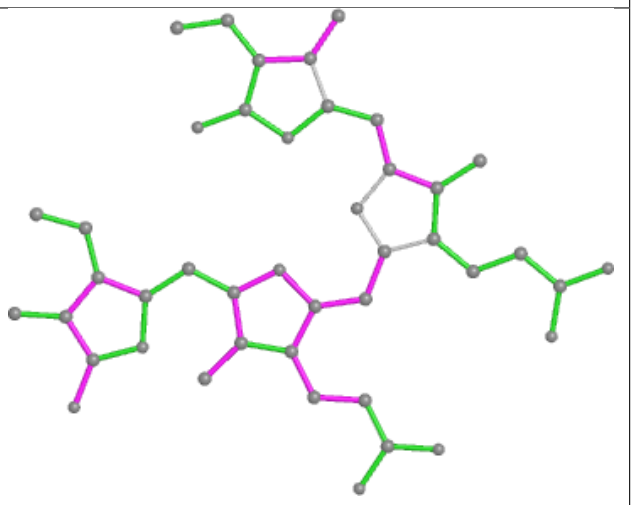

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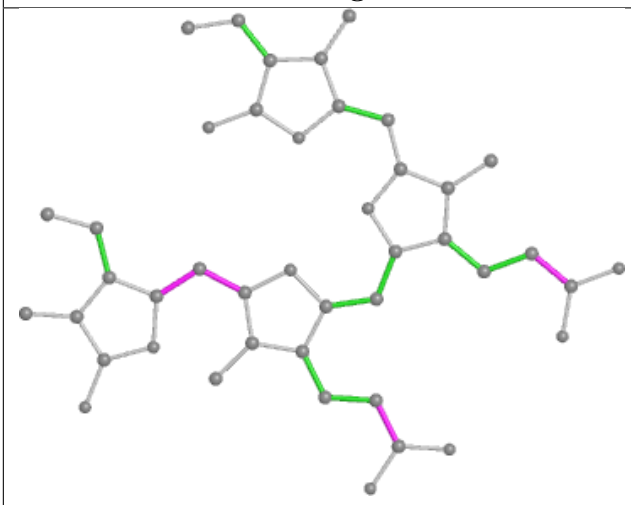

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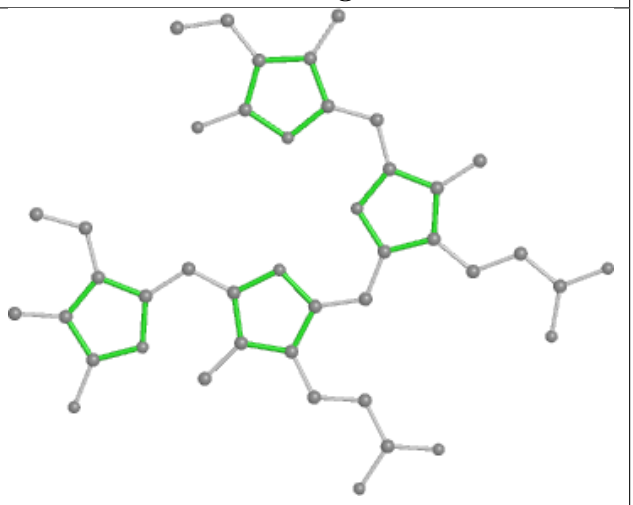

Rings

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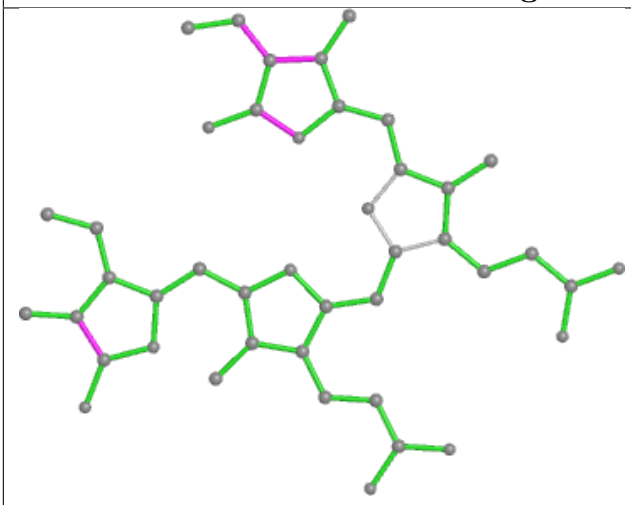

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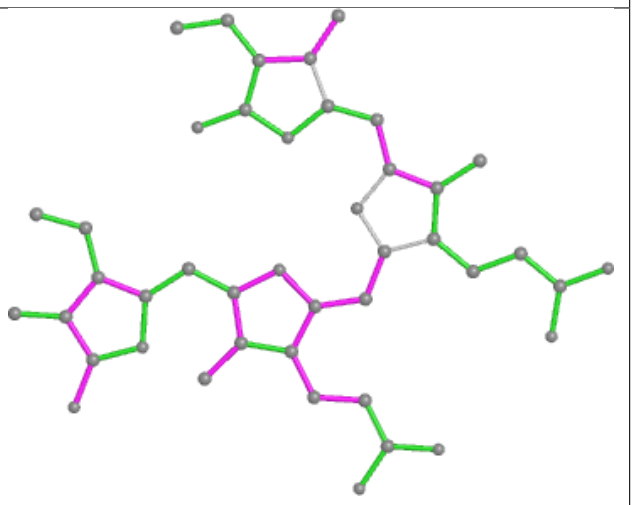

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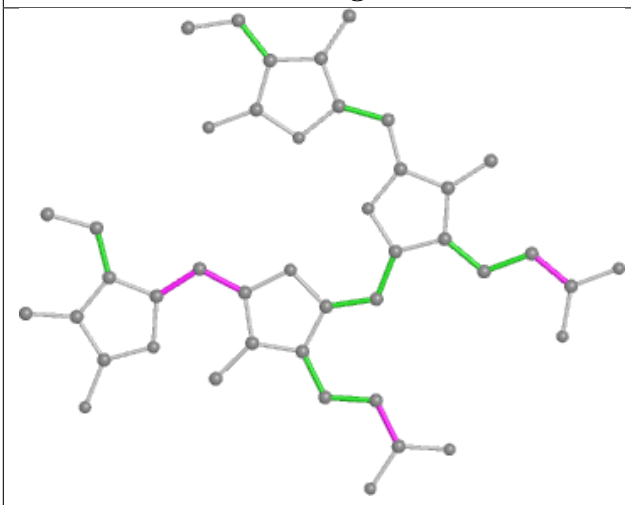

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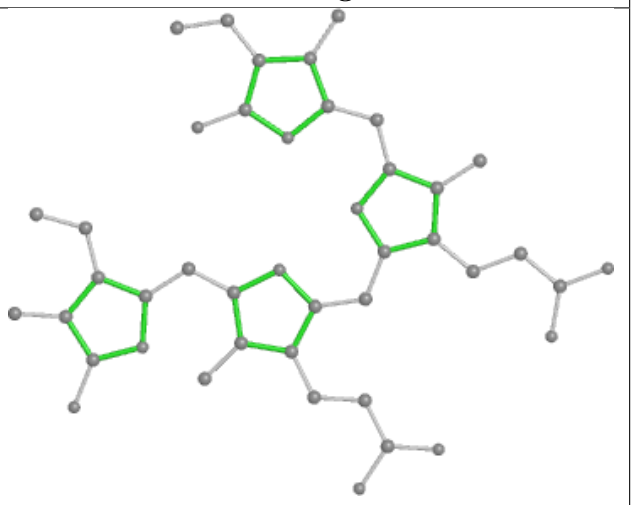

Rings

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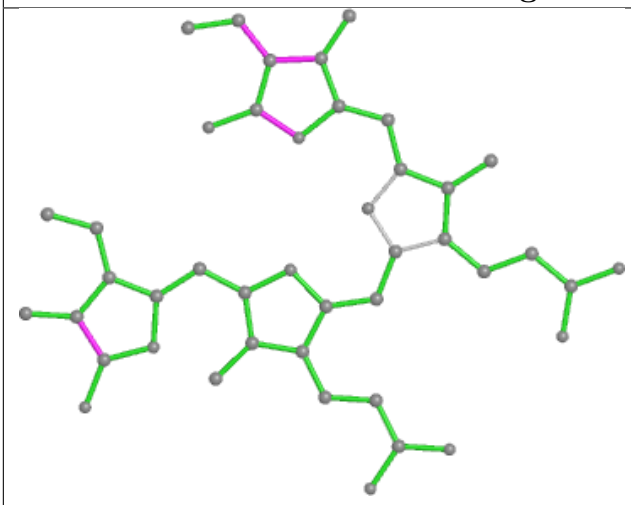

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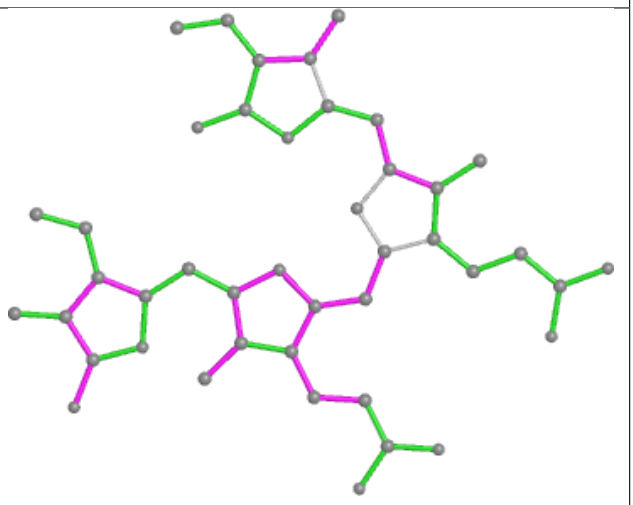
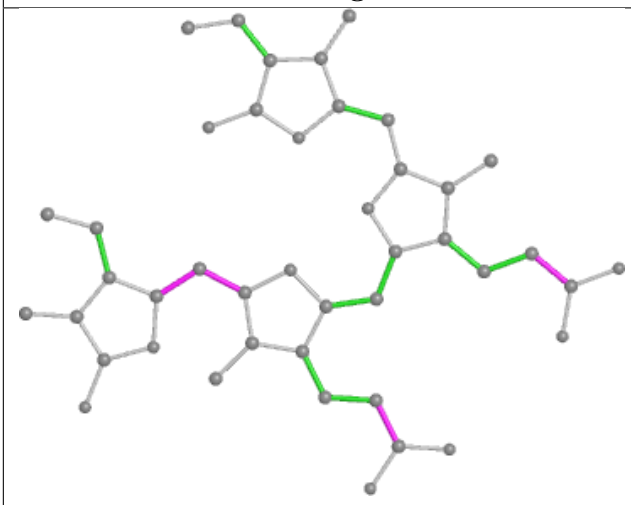
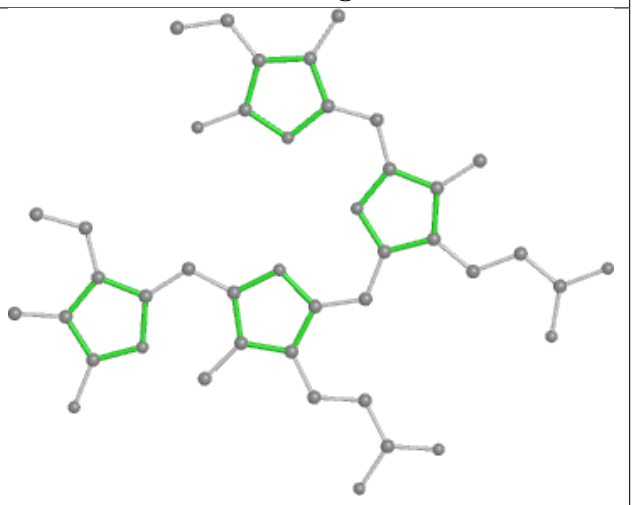


Bond angles

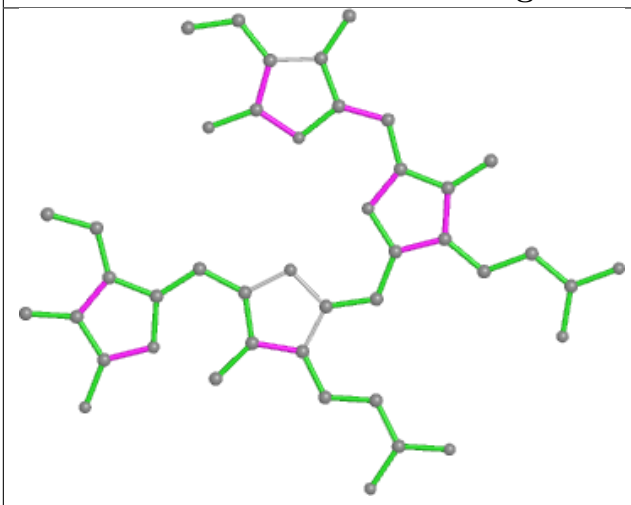


Torsions



Rings

Ligand PUB aL 203



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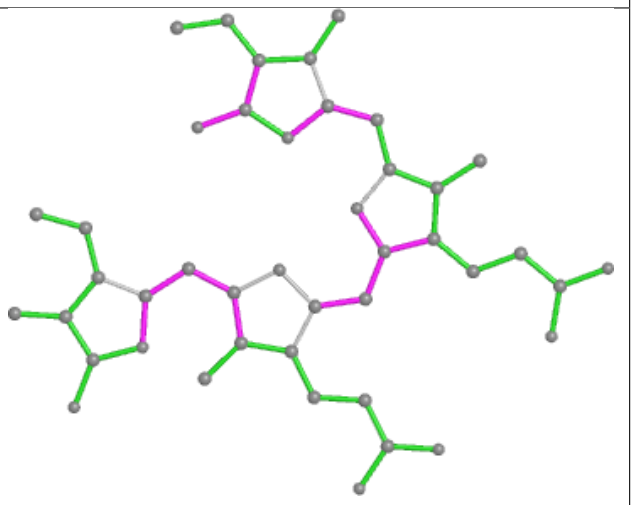

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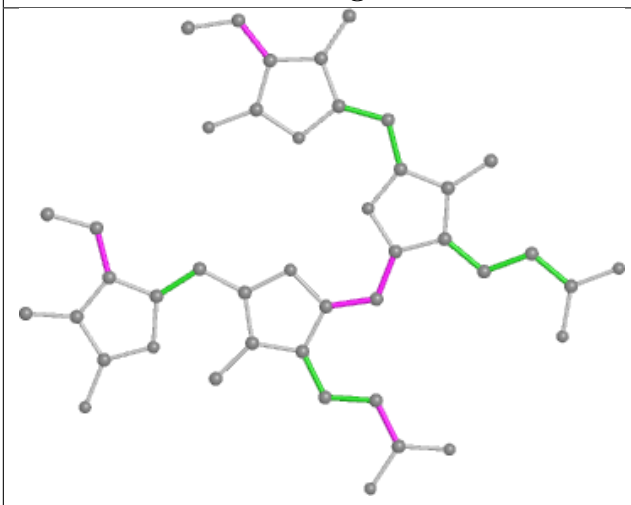

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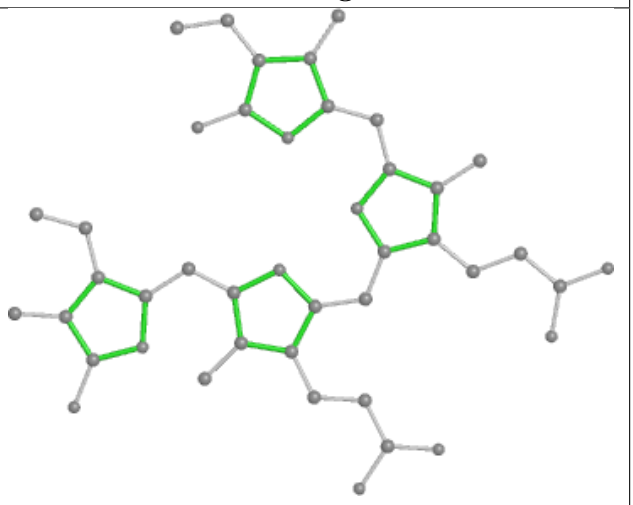
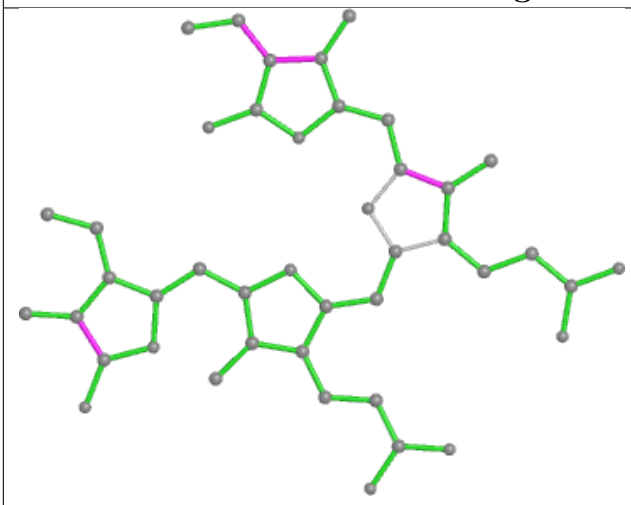


Rings

Ligand PEB m3 202



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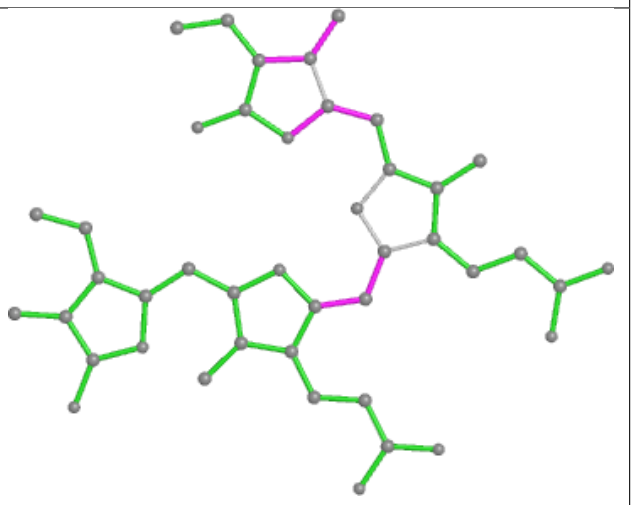

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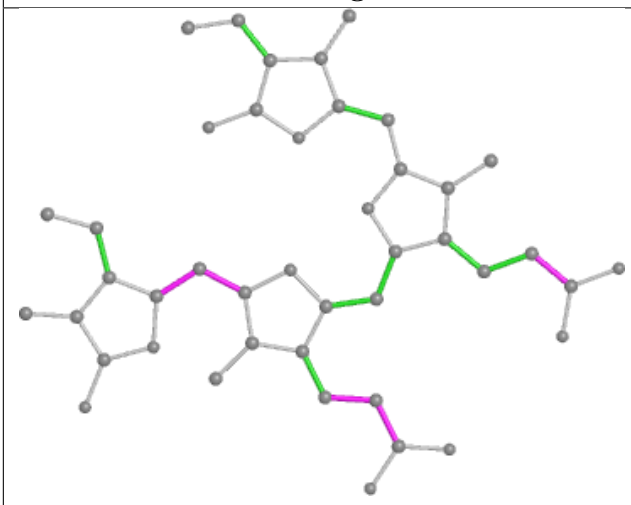

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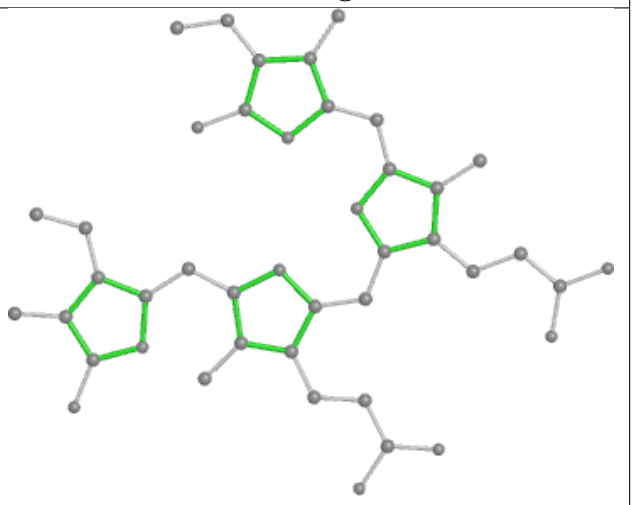

Rings

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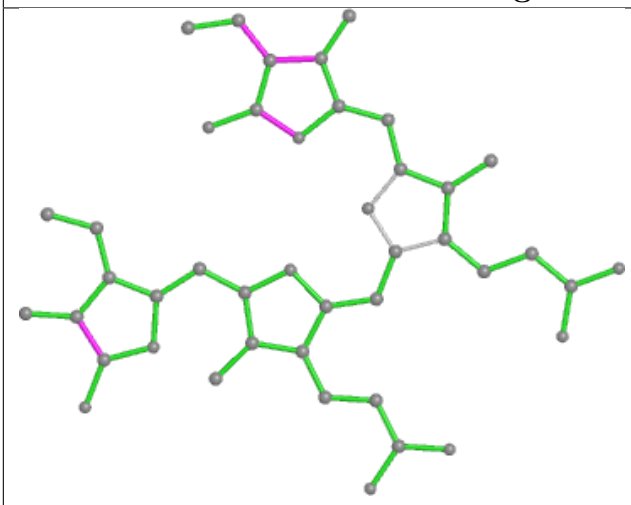

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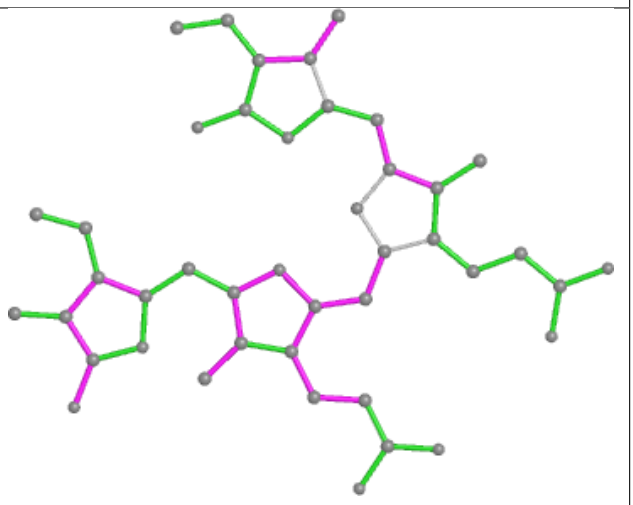

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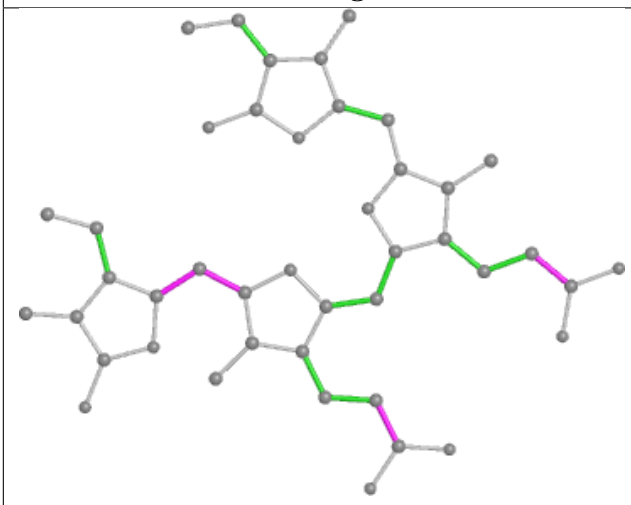

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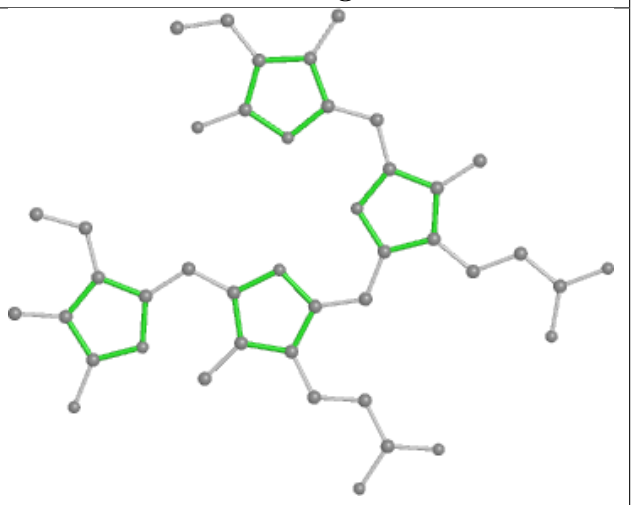
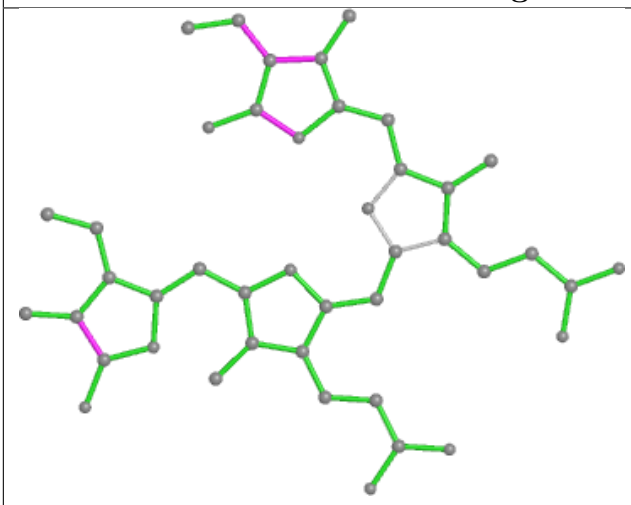


Rings

Ligand PEB jP 1001



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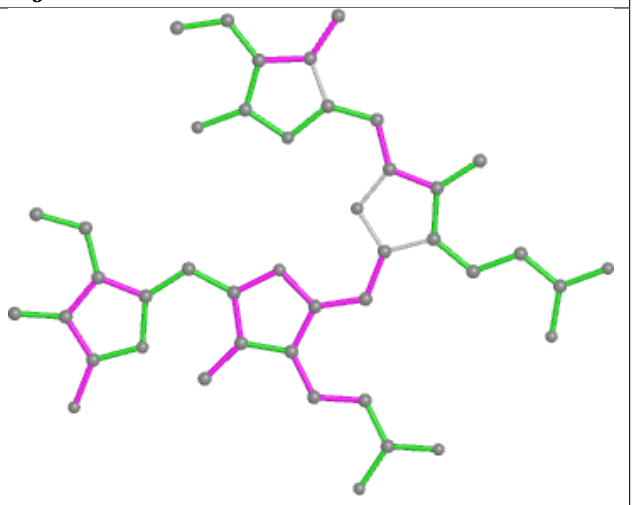

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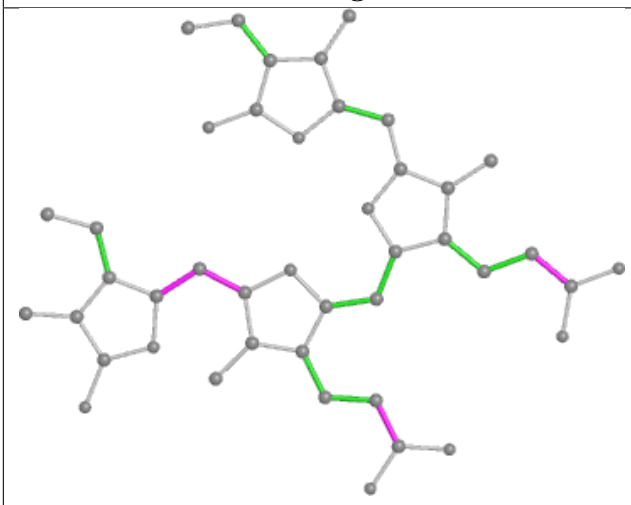

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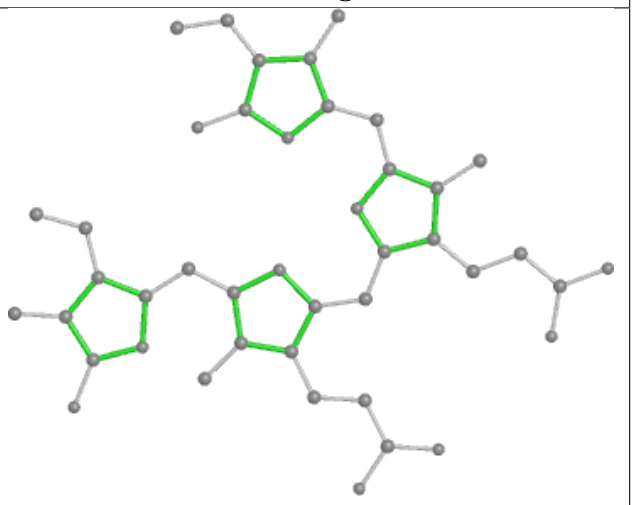

Rings

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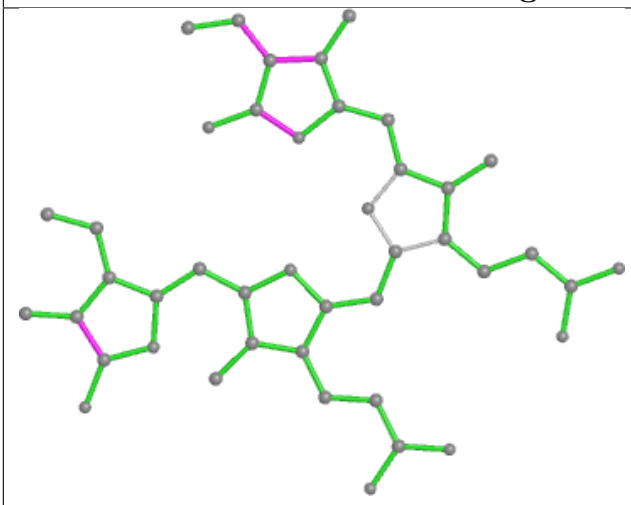

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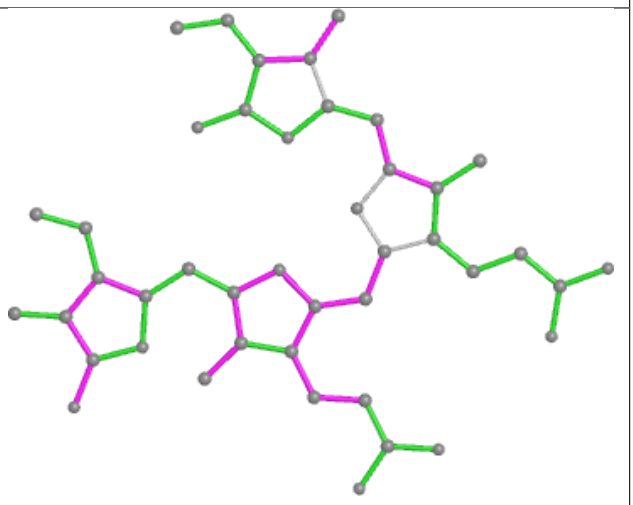

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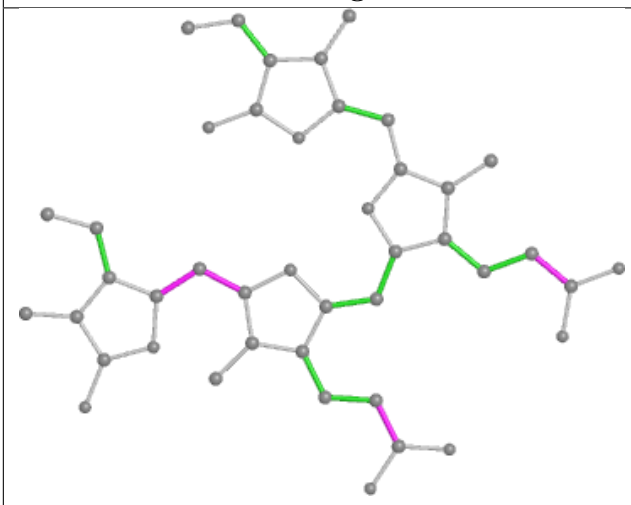

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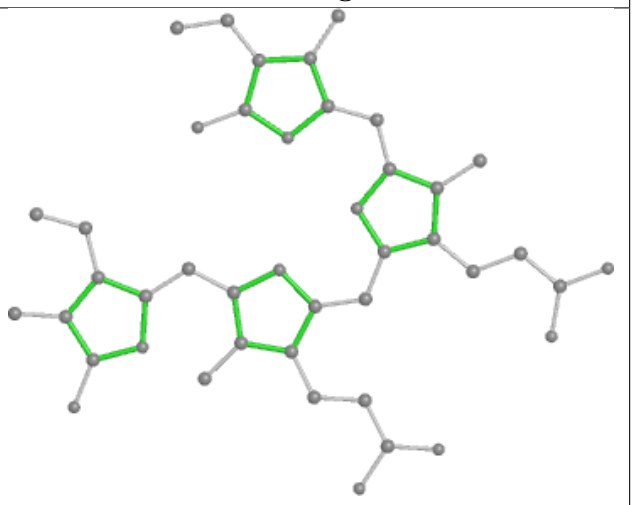
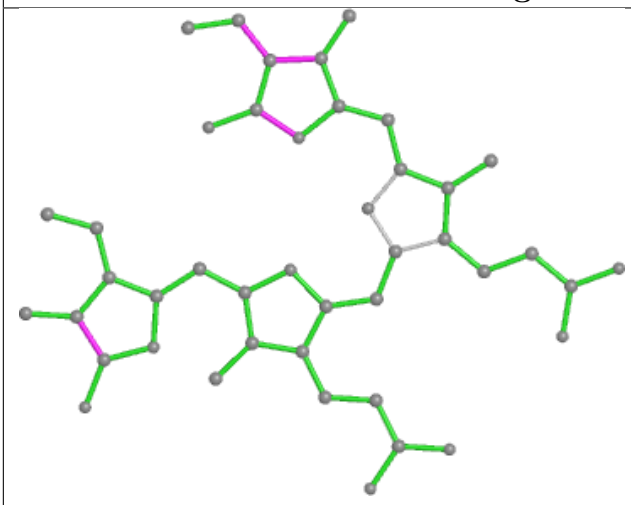


Rings

Ligand PEB m3 201



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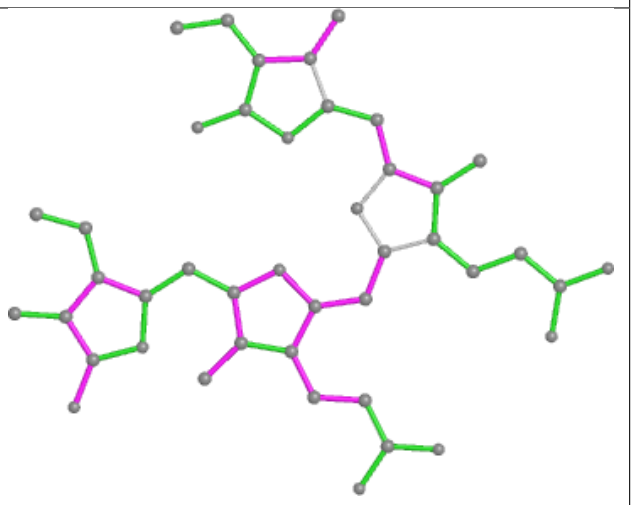

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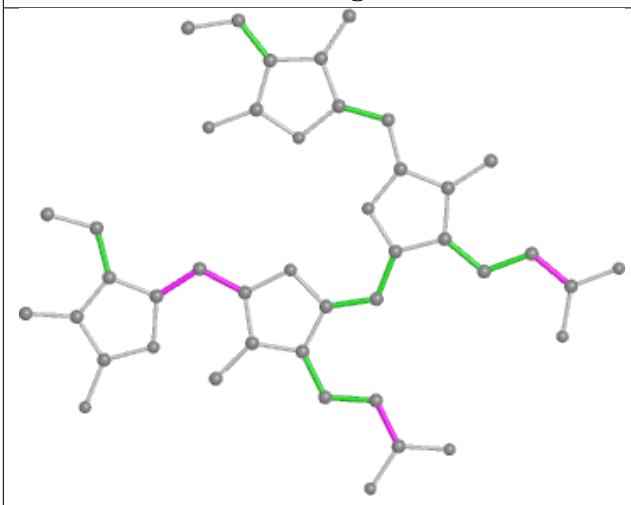

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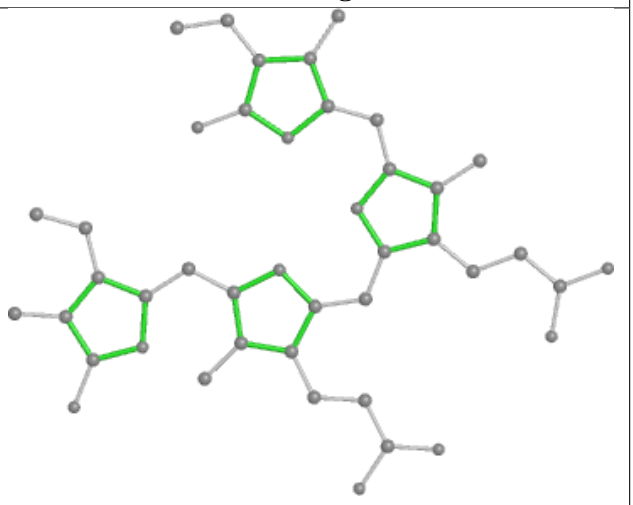

Rings

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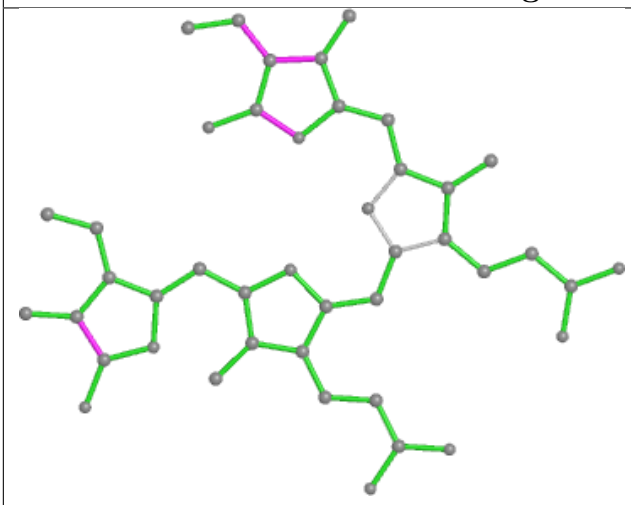

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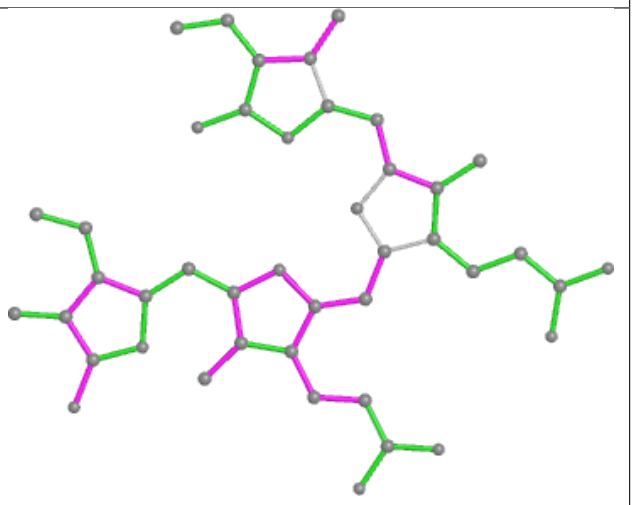

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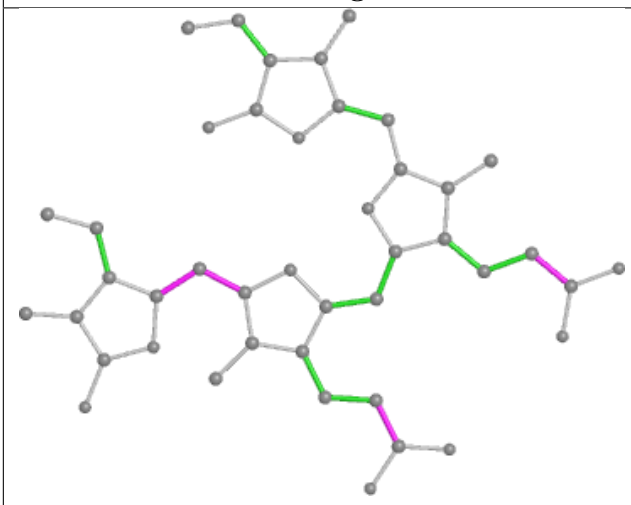

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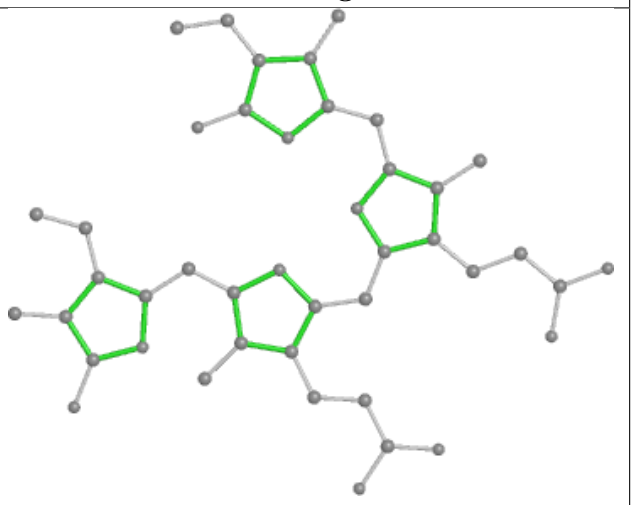

Rings

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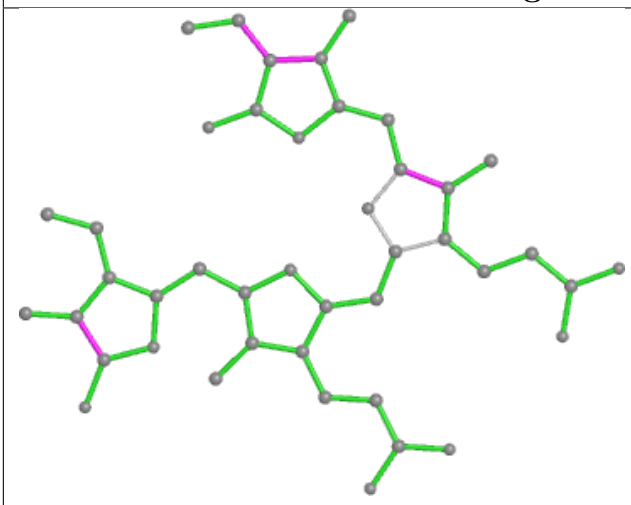

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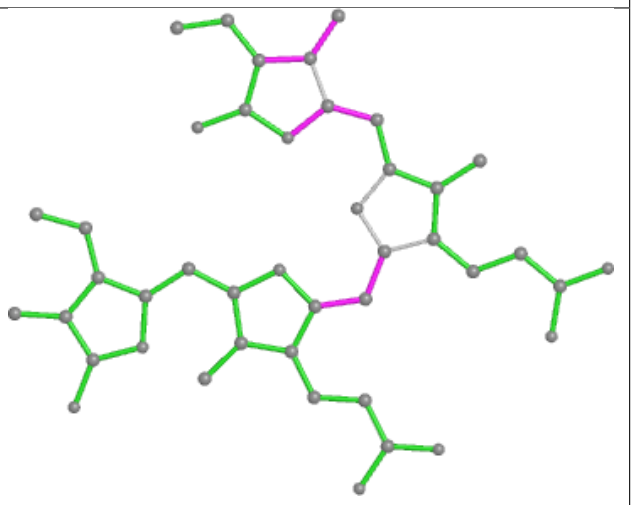

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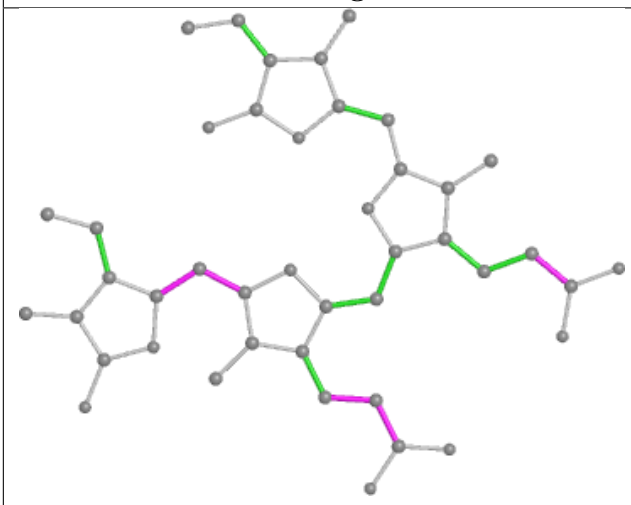

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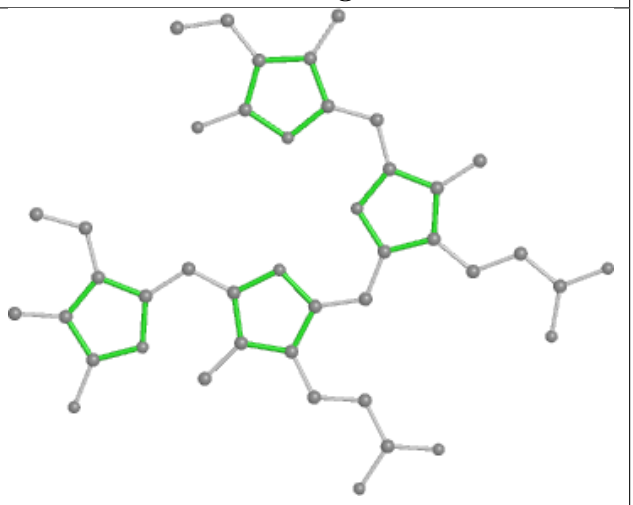
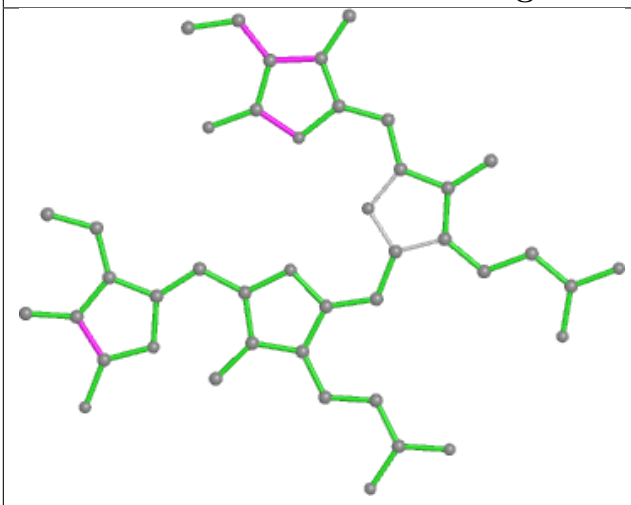


Rings

Ligand PEB T6 201



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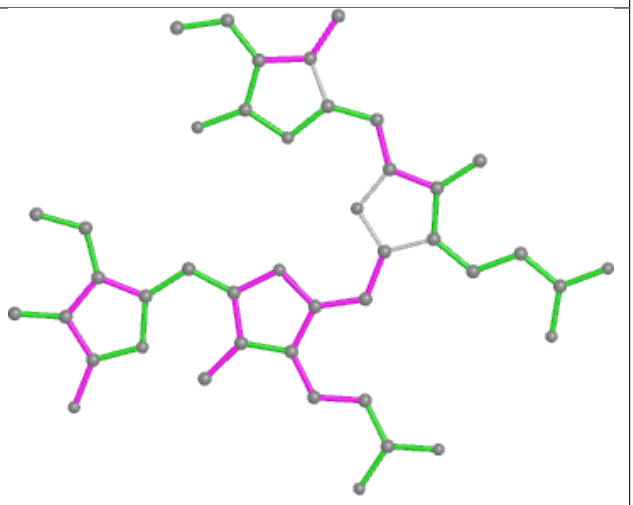

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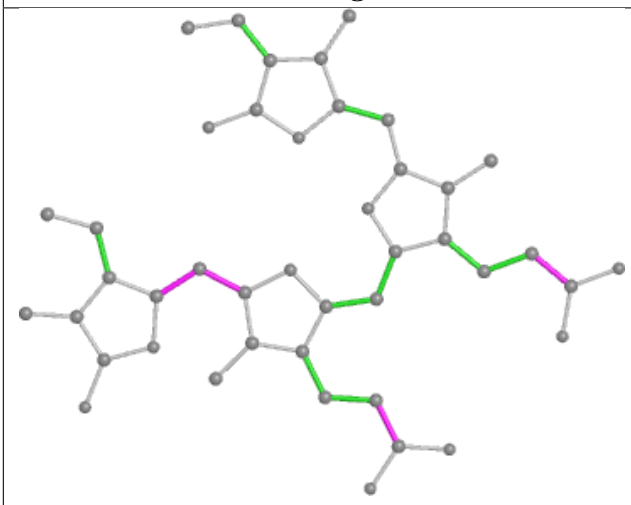

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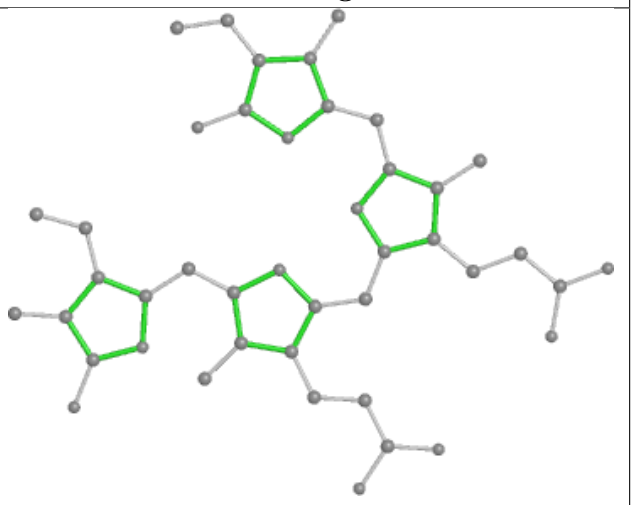

Rings

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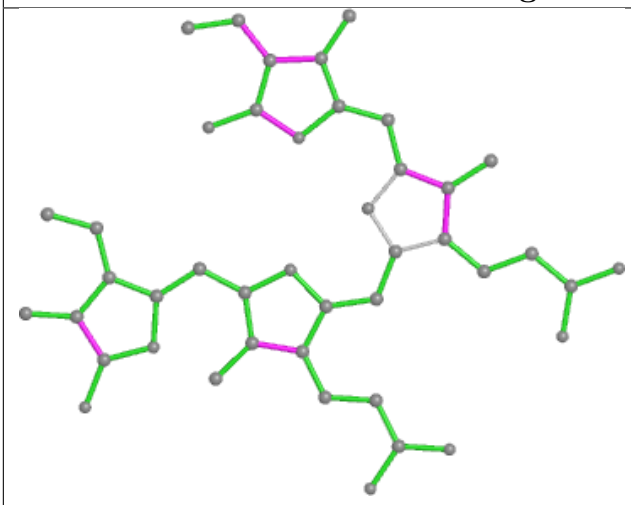

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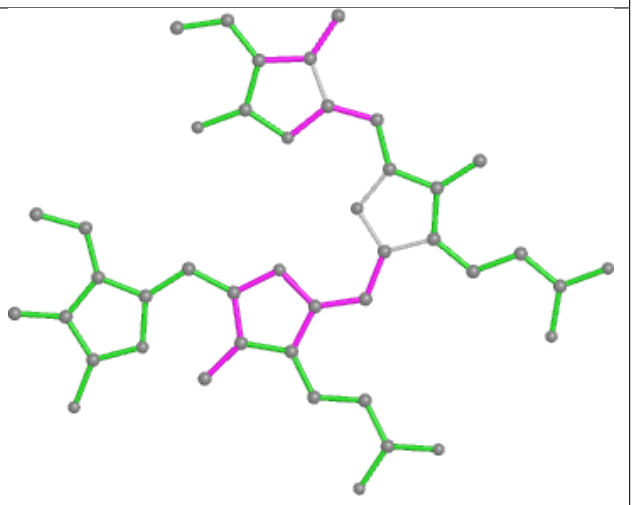

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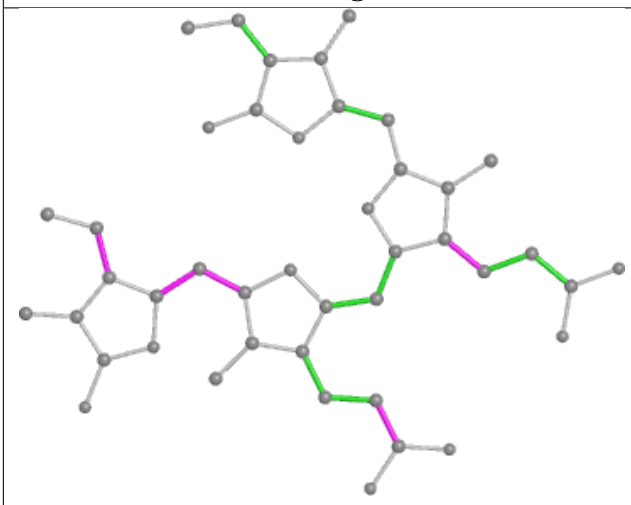

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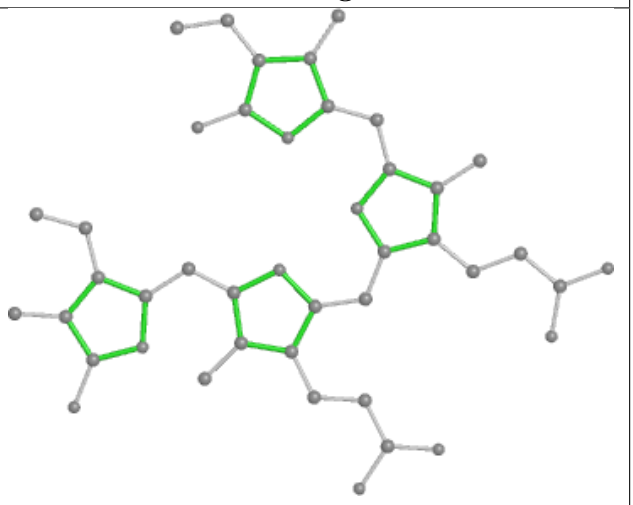

Rings

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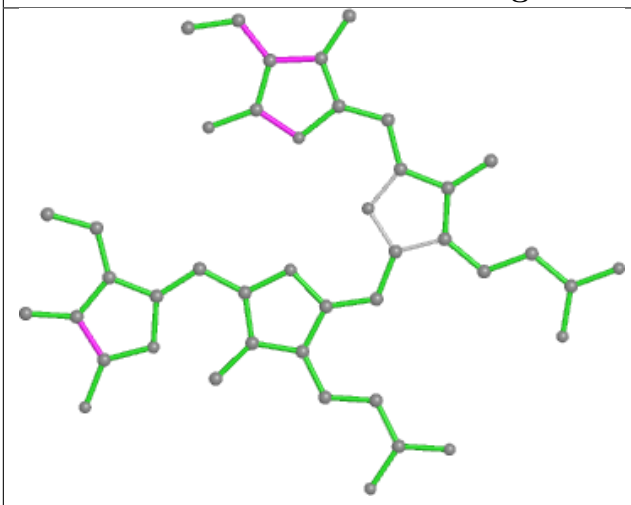

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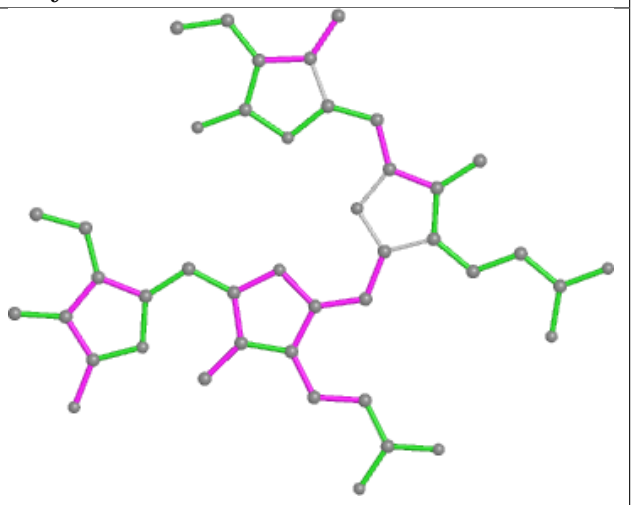

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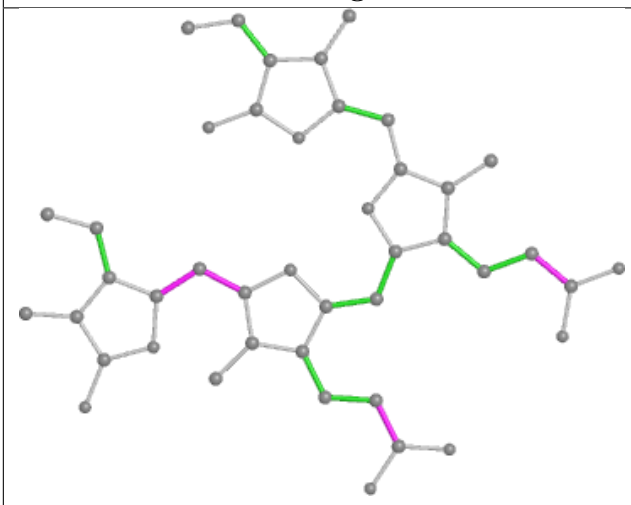

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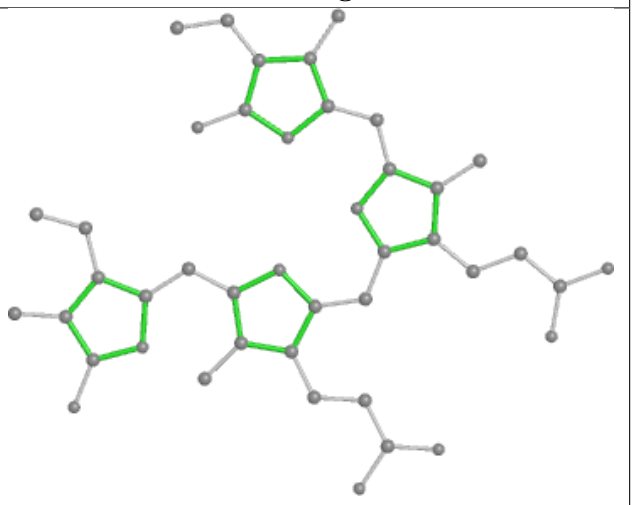

Rings

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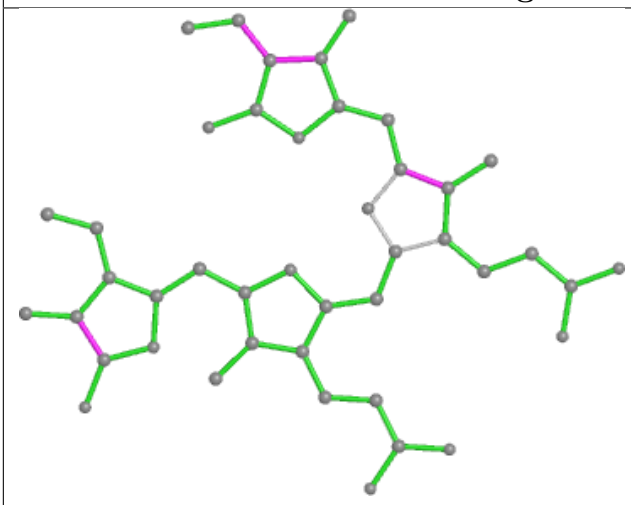

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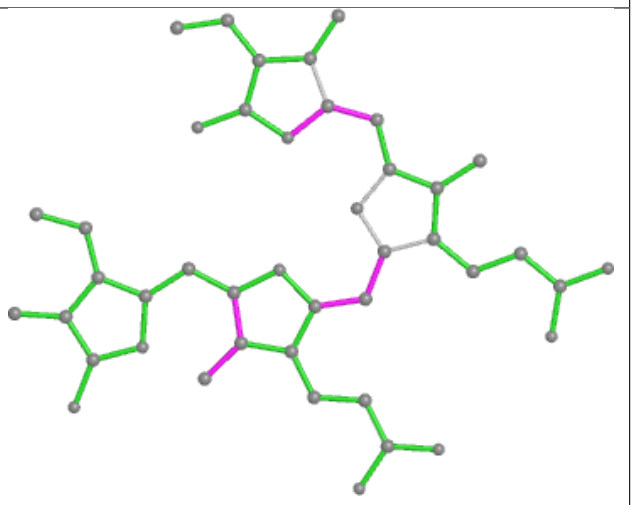

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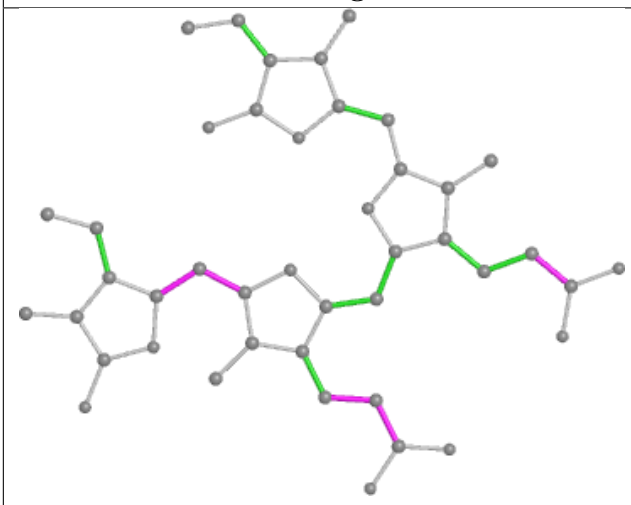

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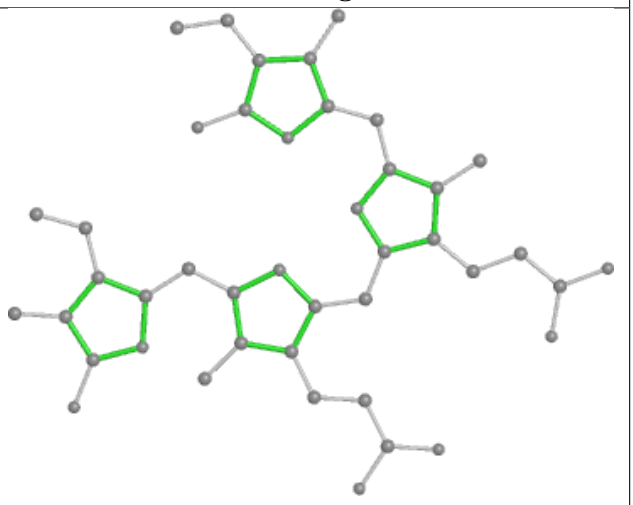

Rings

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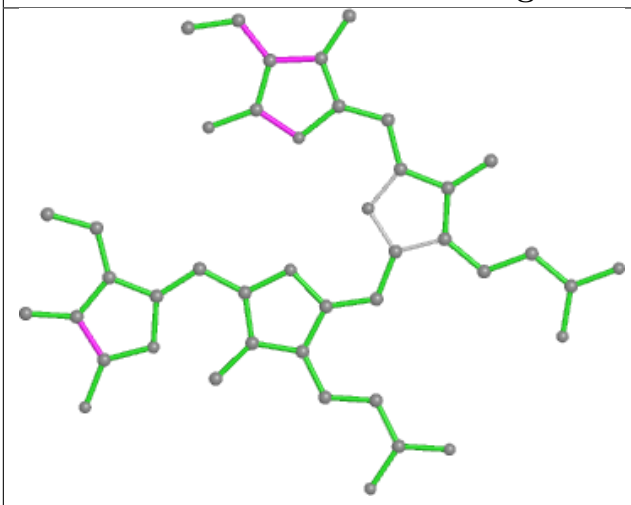

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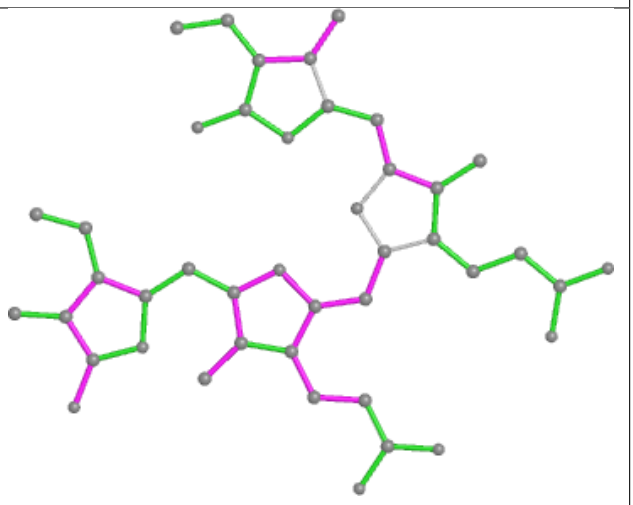

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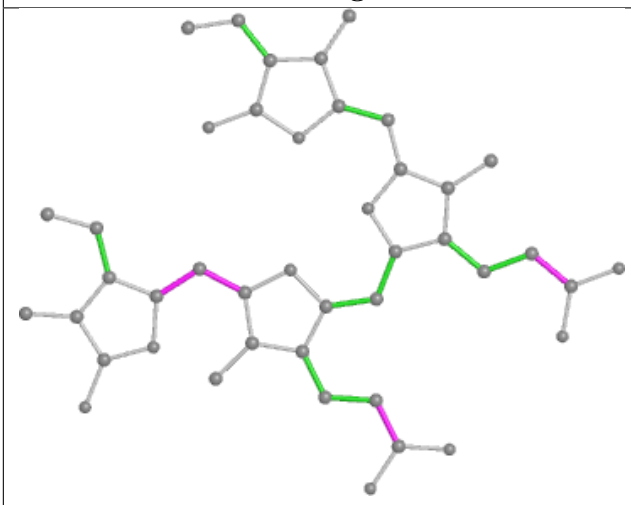
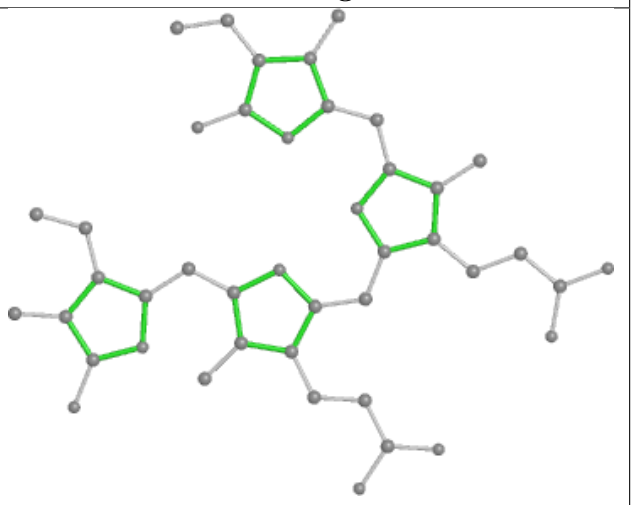
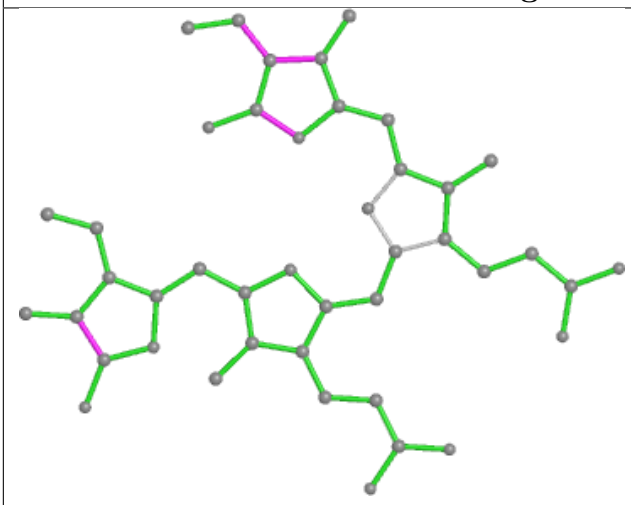


Torsions



Rings

Ligand PEB bt 201



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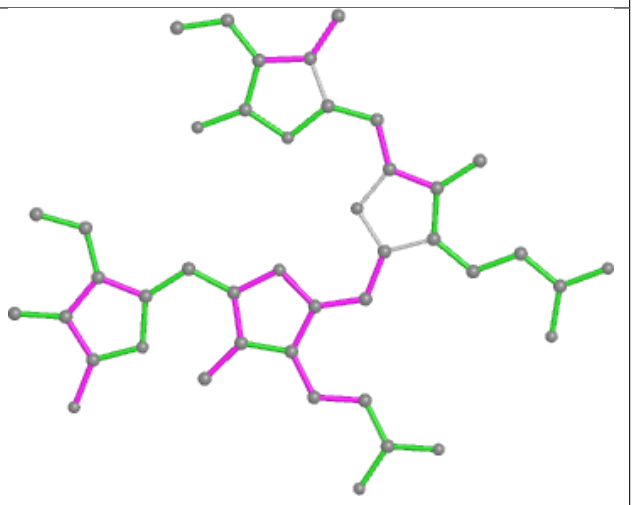

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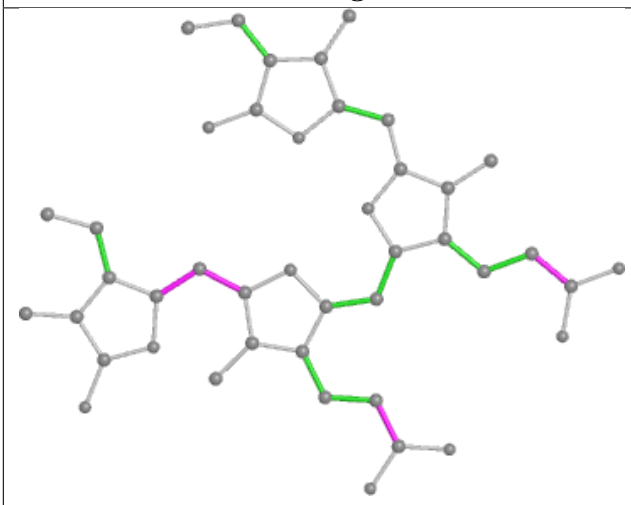

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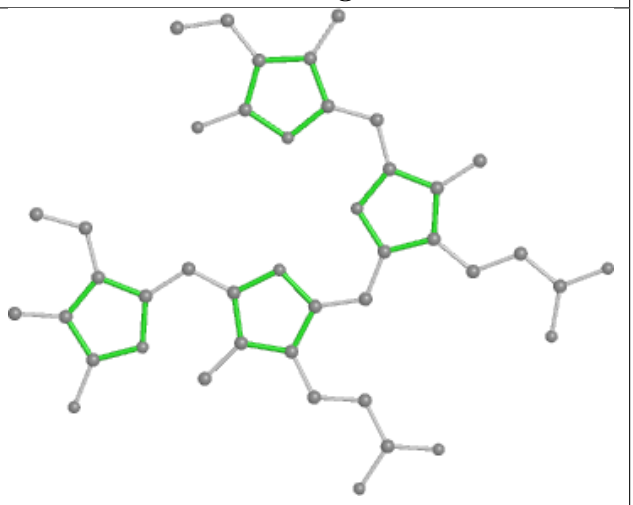
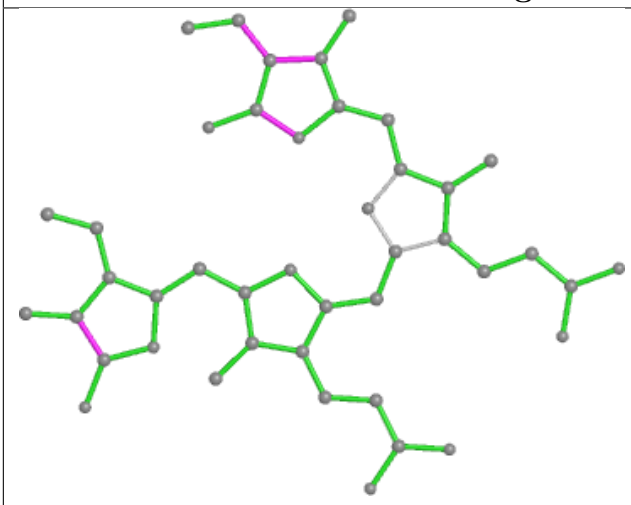


Rings

Ligand PEB G3 201



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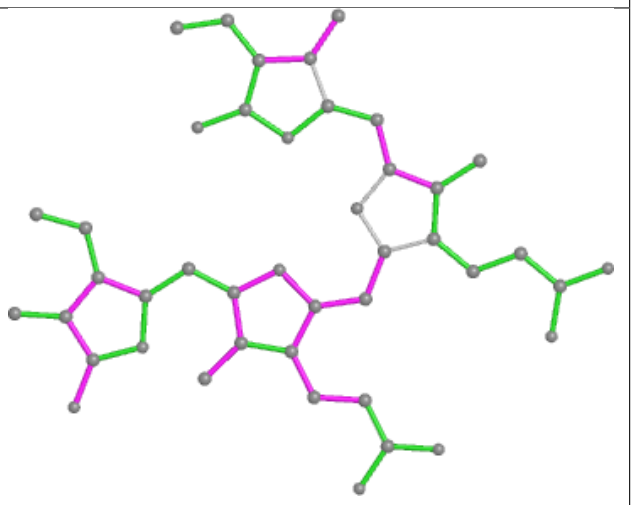

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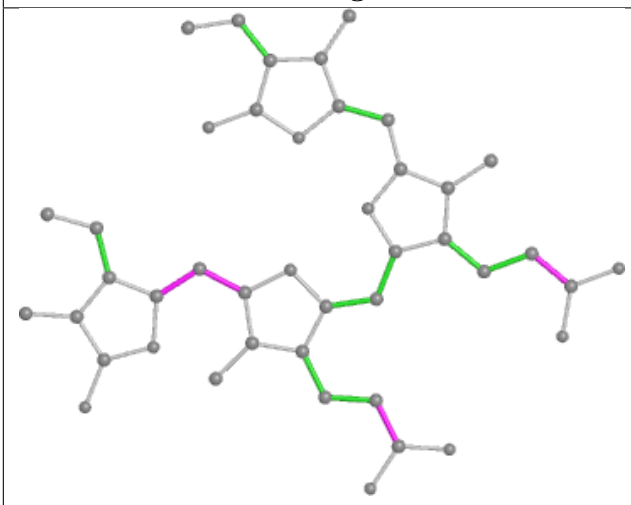

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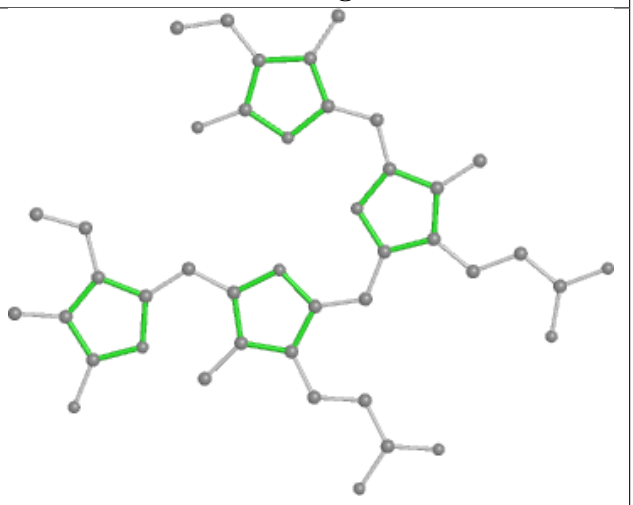
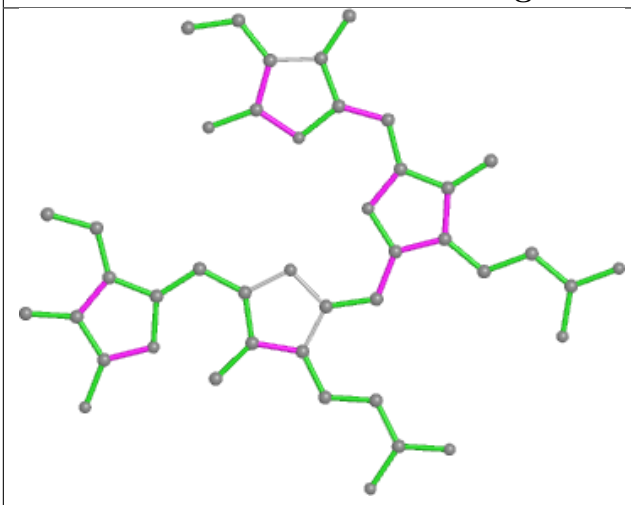


Rings

Ligand PUB bZ 305



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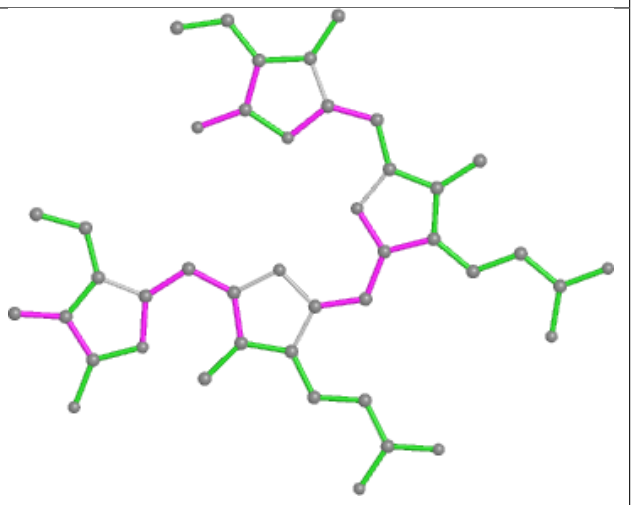

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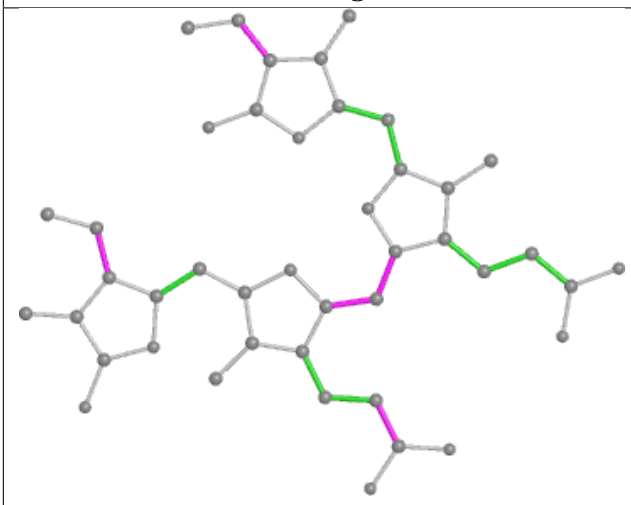

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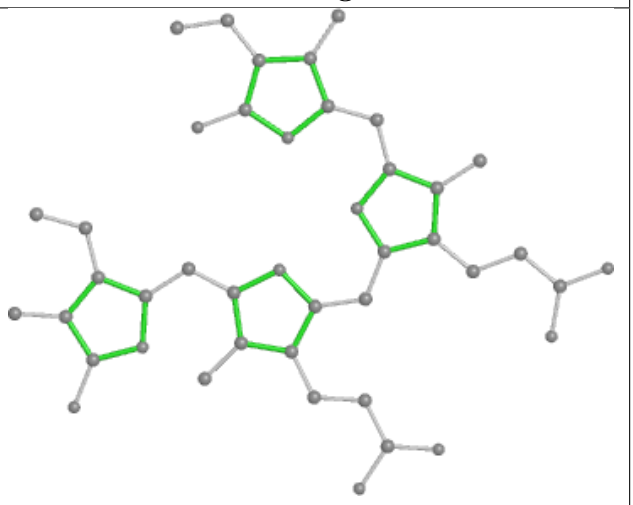
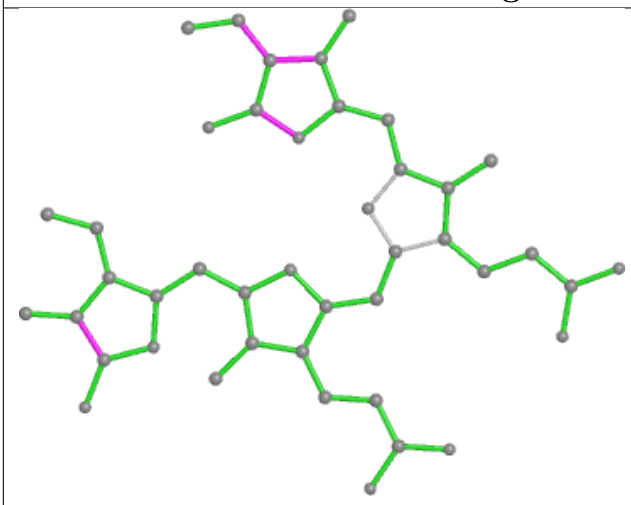


Rings

Ligand PEB kW 1001



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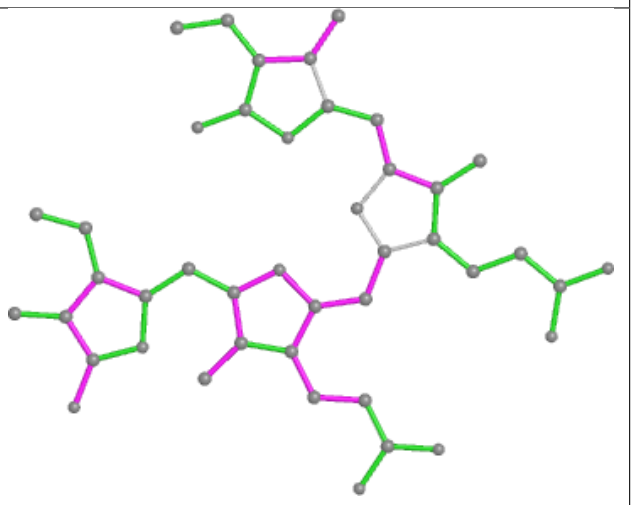

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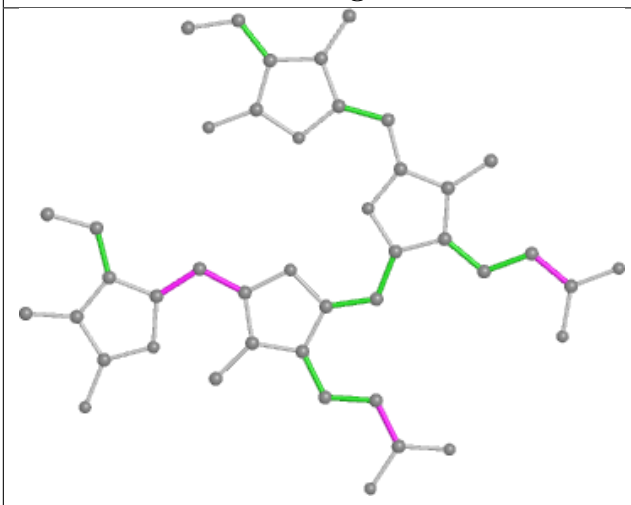

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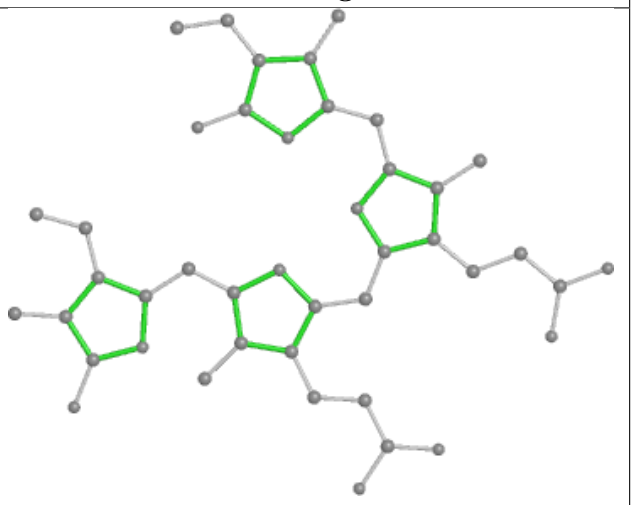

Rings

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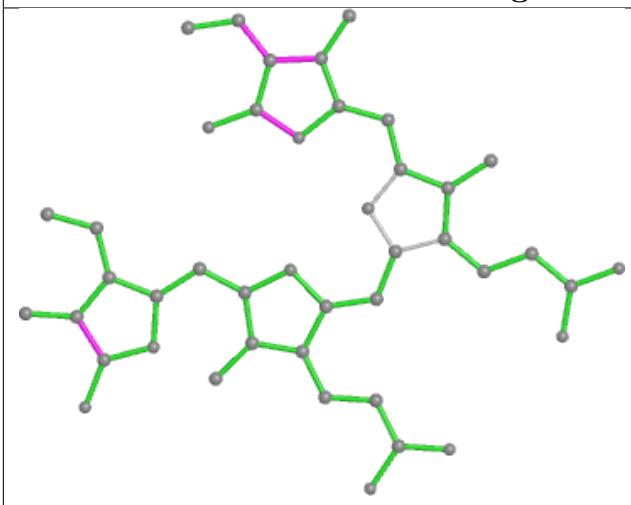

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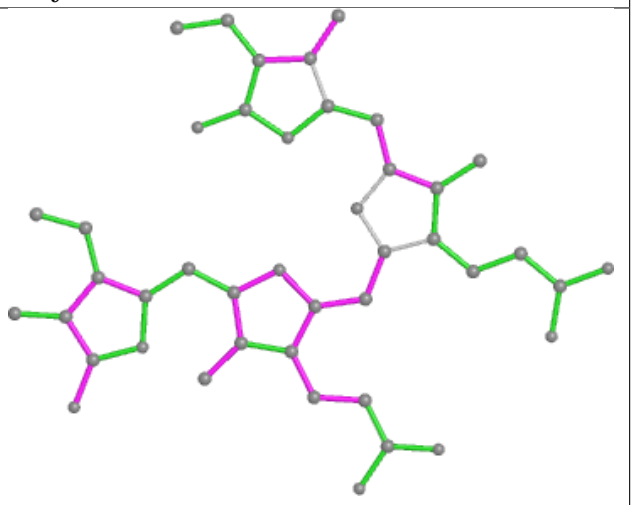

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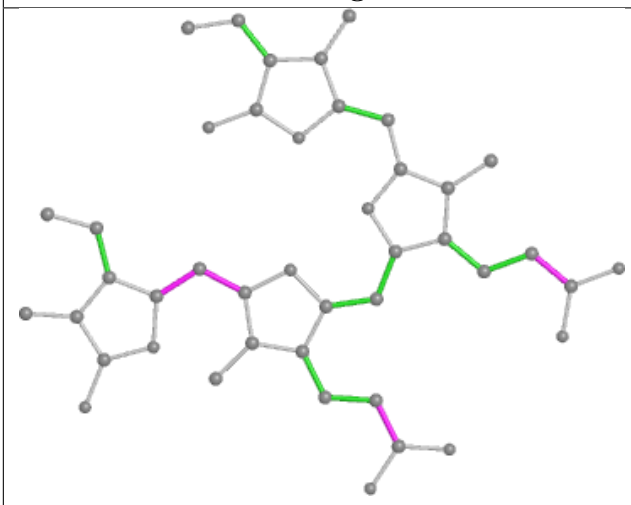

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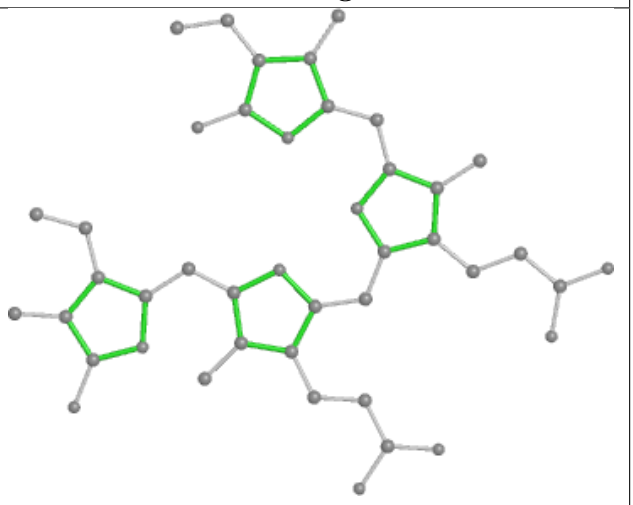
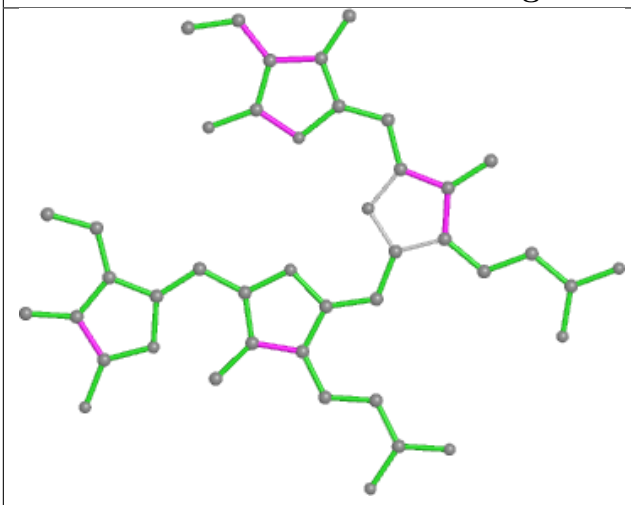


Rings

Ligand PEB dj 202



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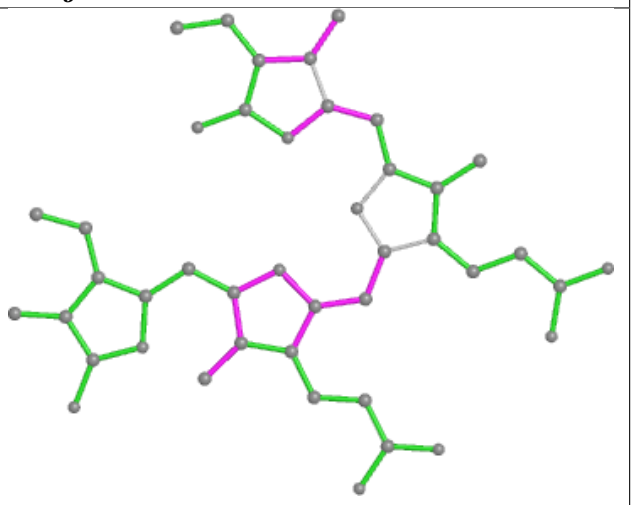

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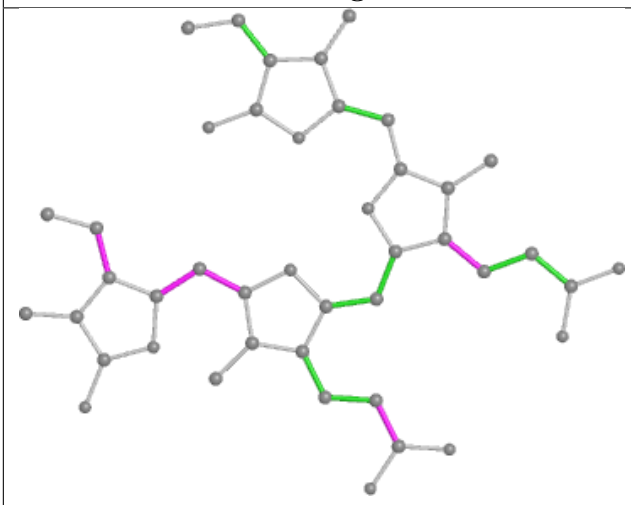

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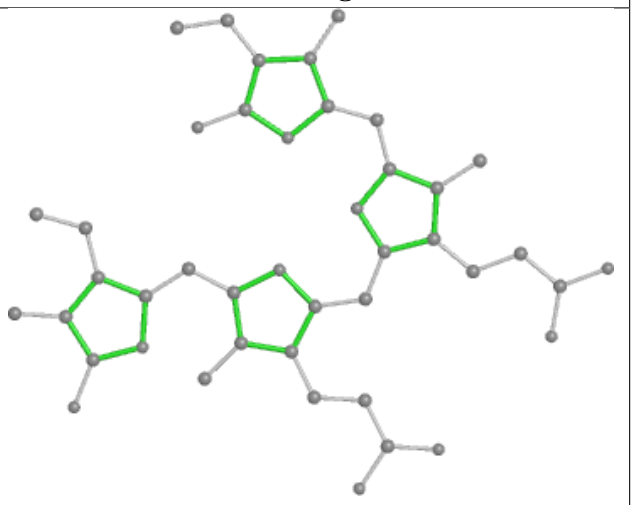

Rings

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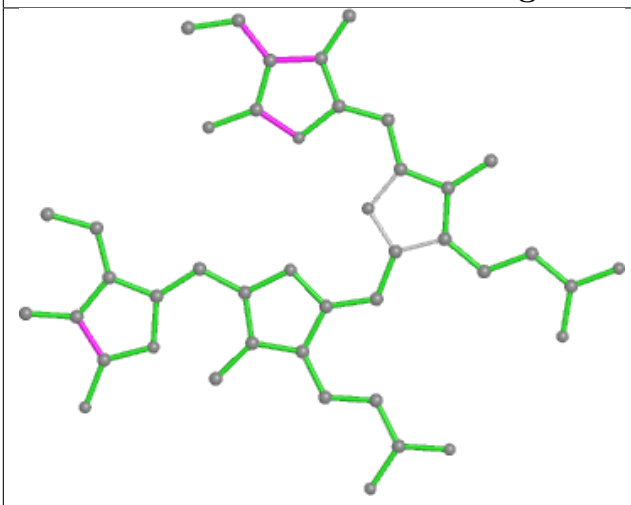

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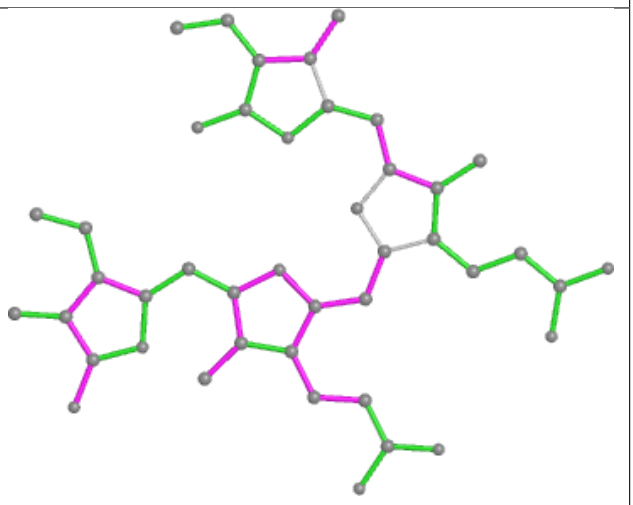

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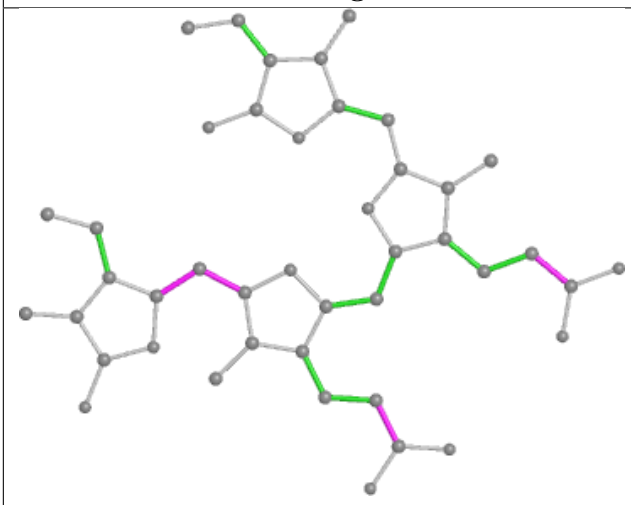

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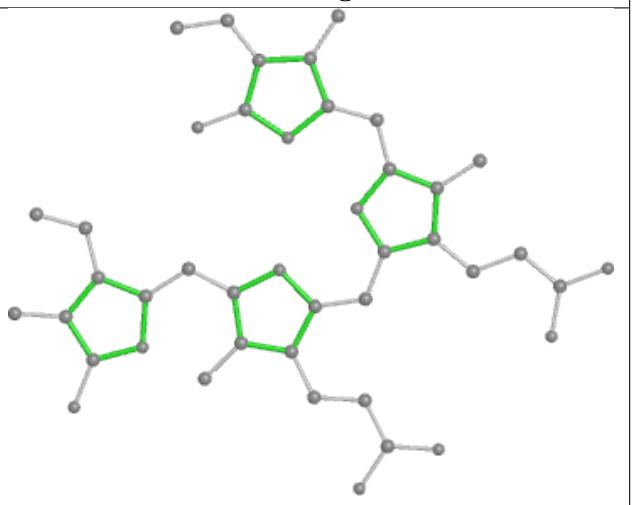

Rings

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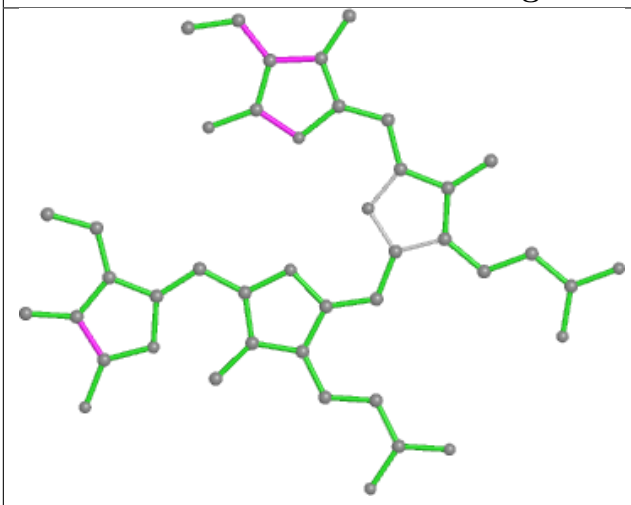

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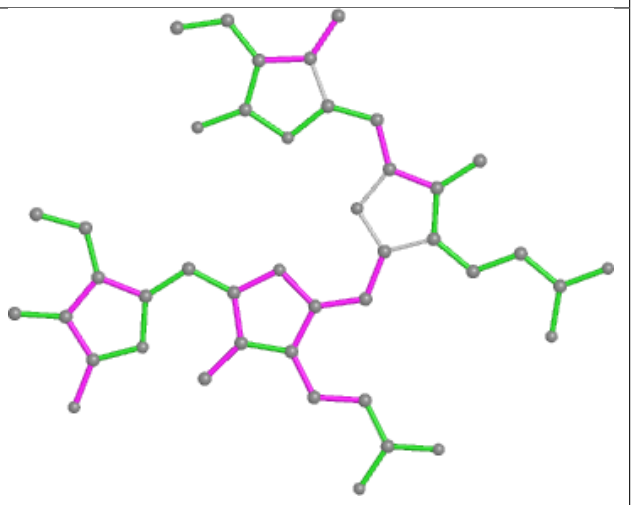

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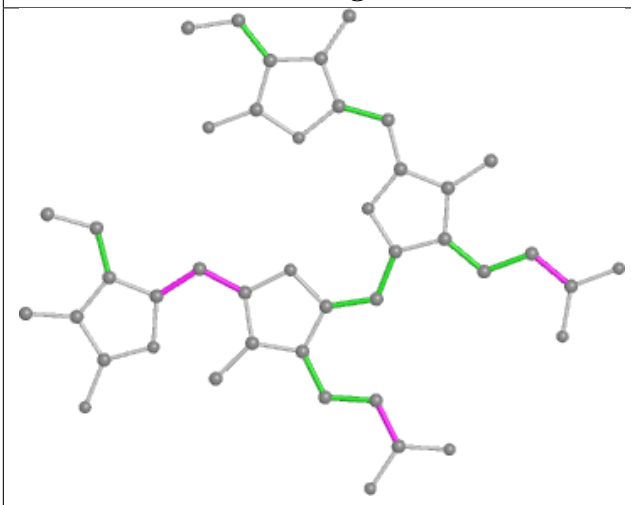

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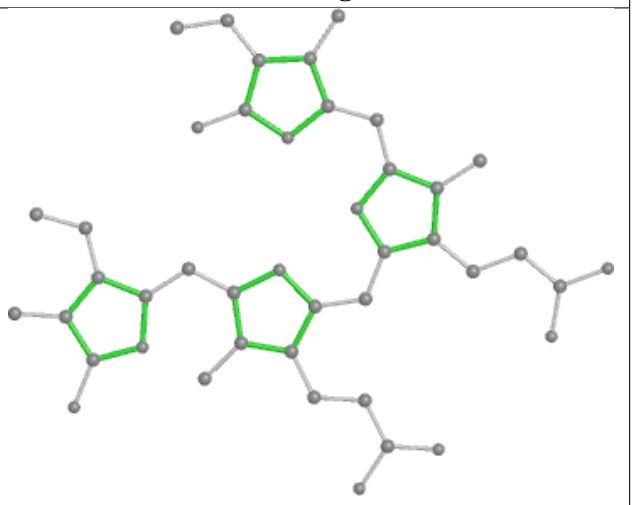

Rings

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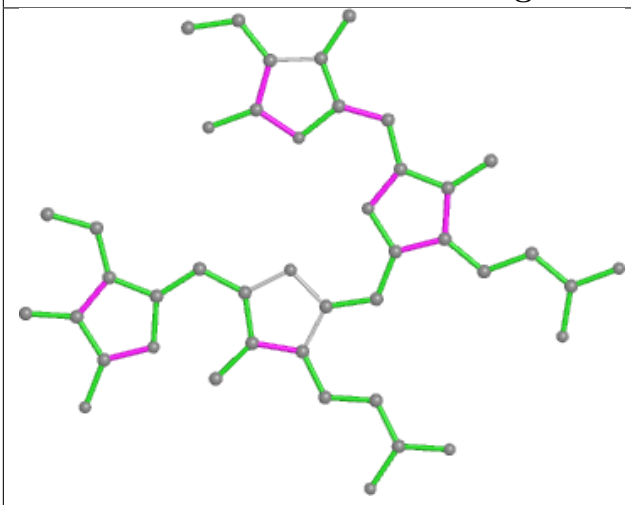

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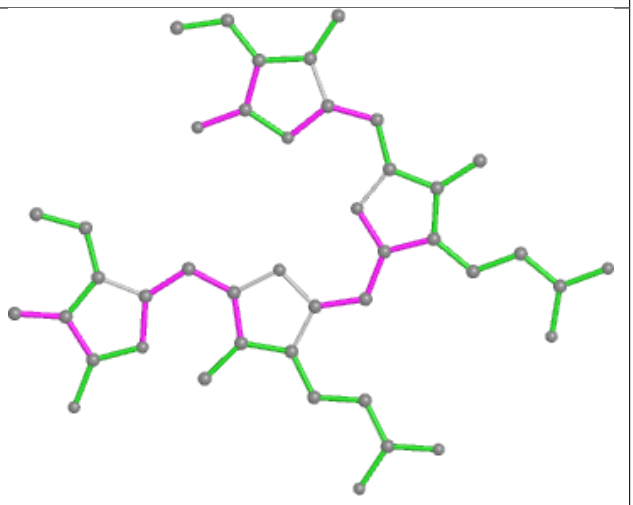

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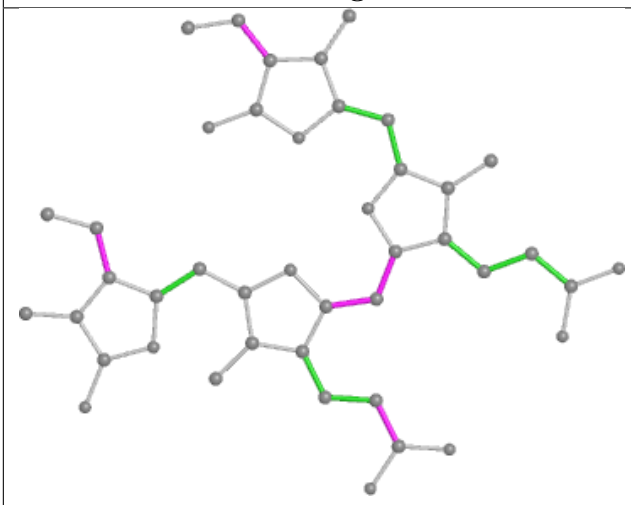

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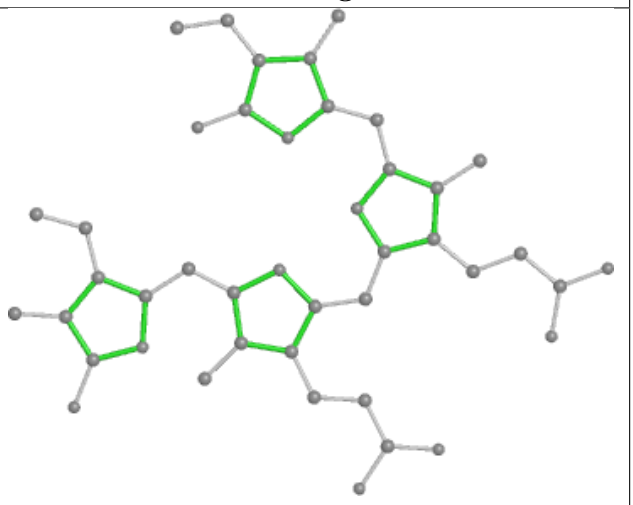

Rings

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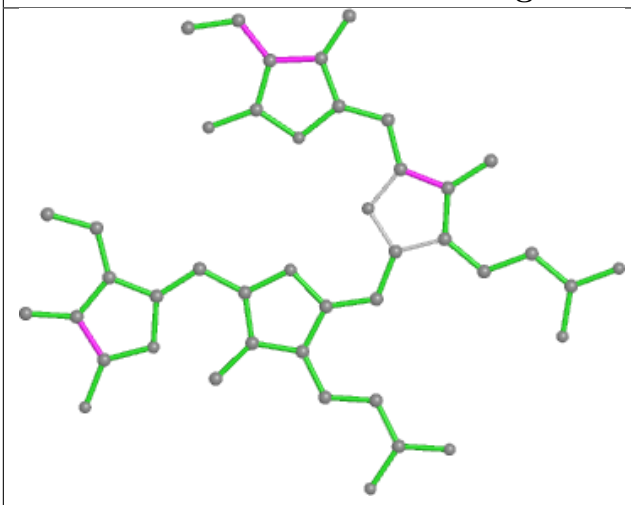

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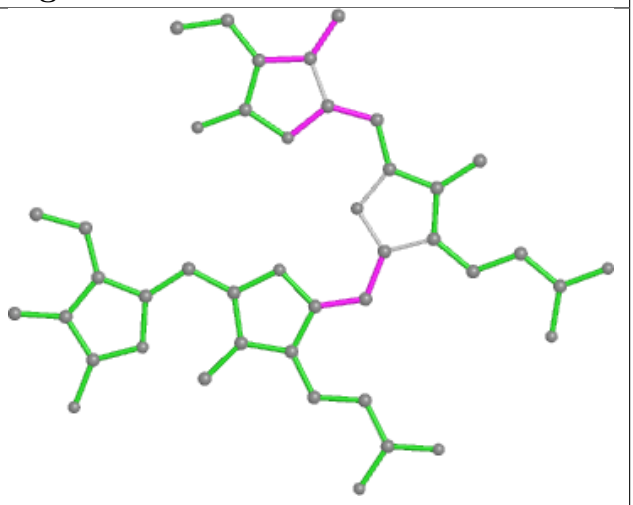

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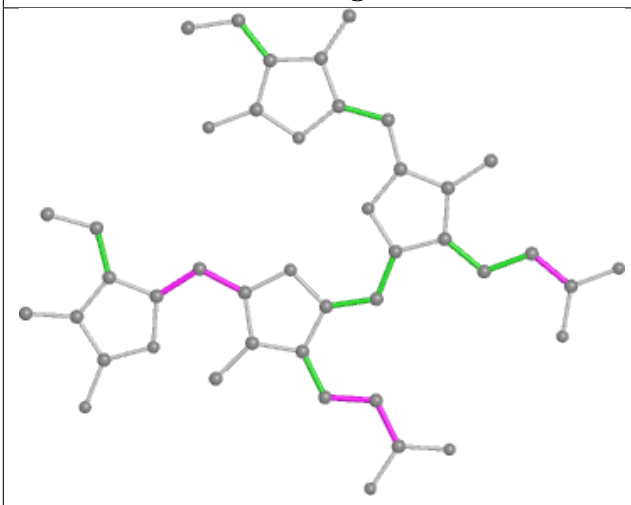

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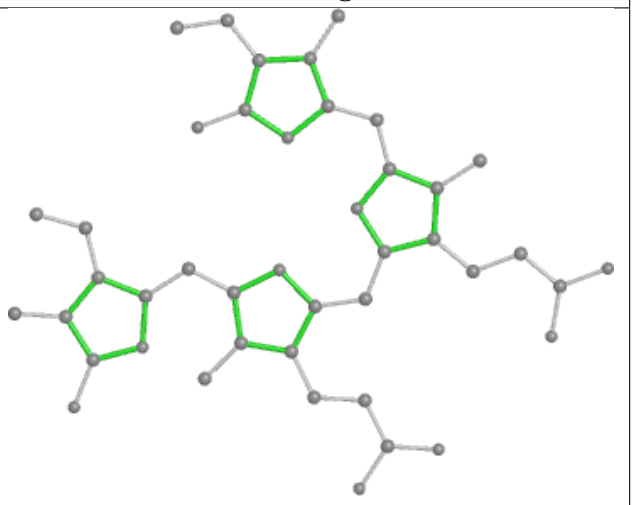

Rings

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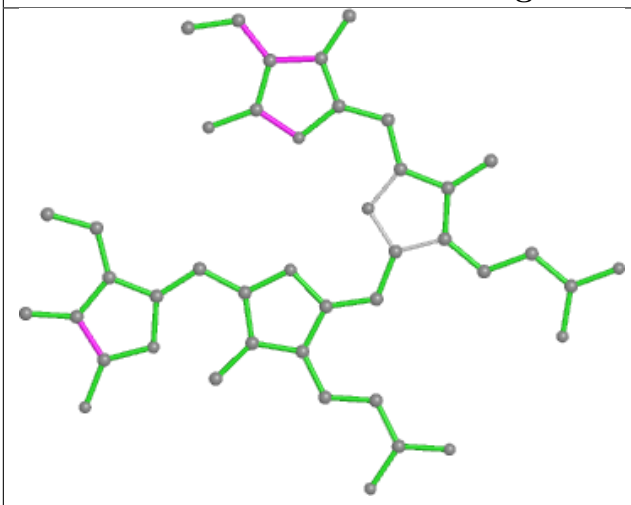

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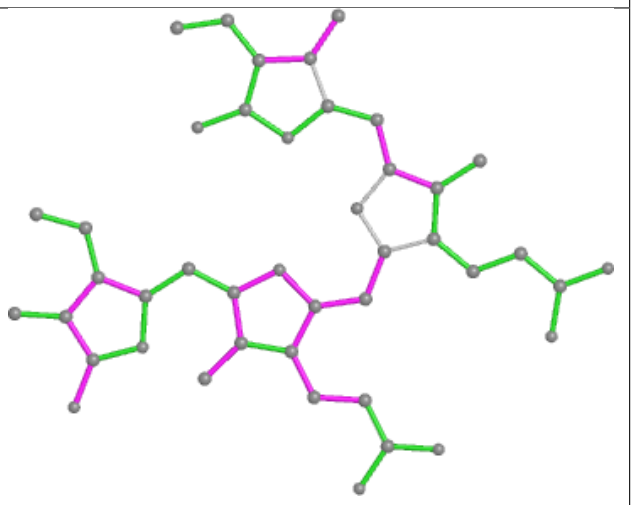

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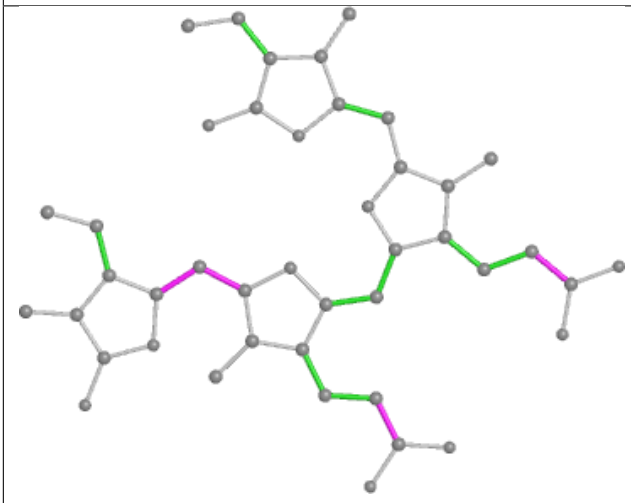

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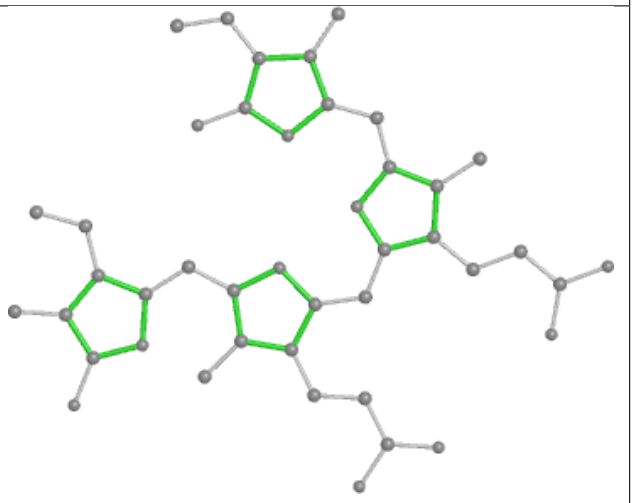

Rings

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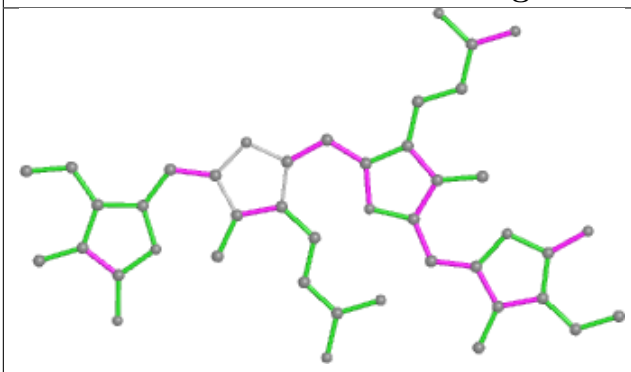

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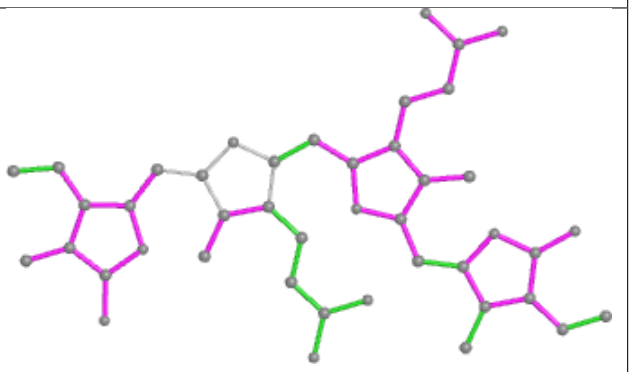

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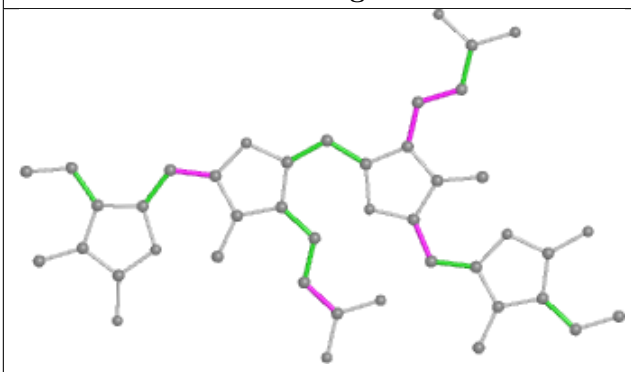

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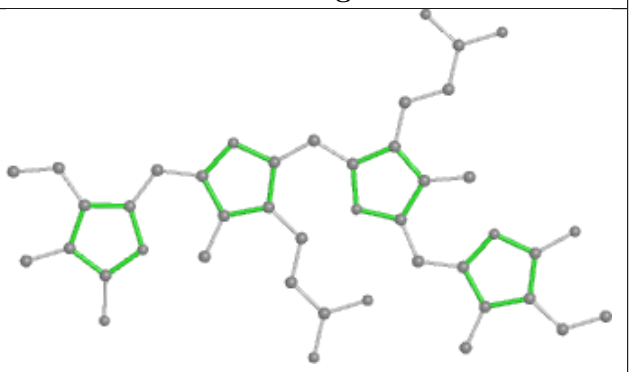
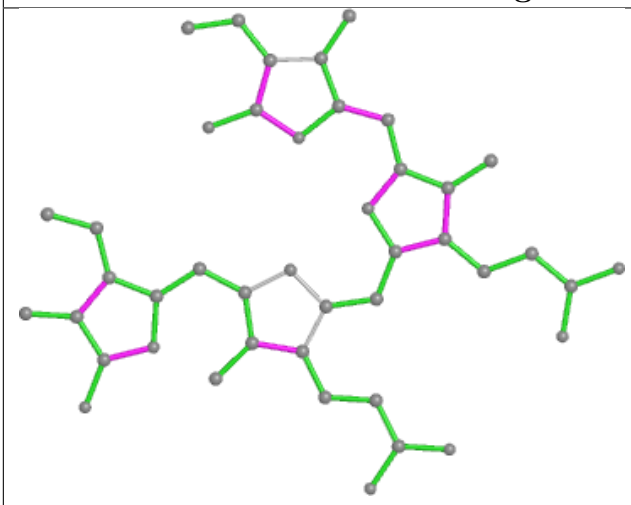


Rings

Ligand PUB cY 203



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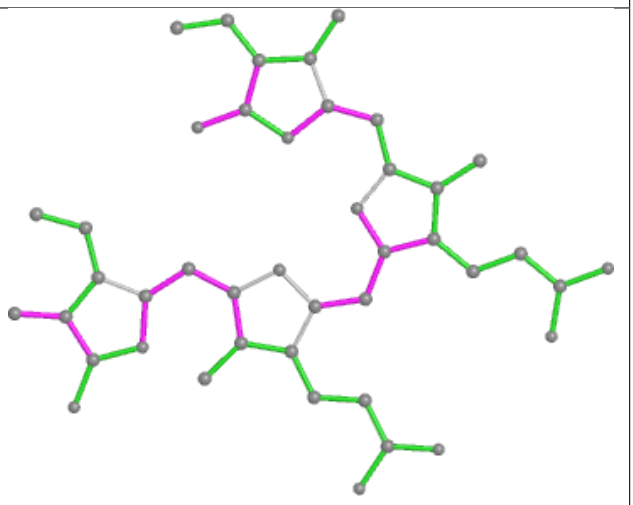
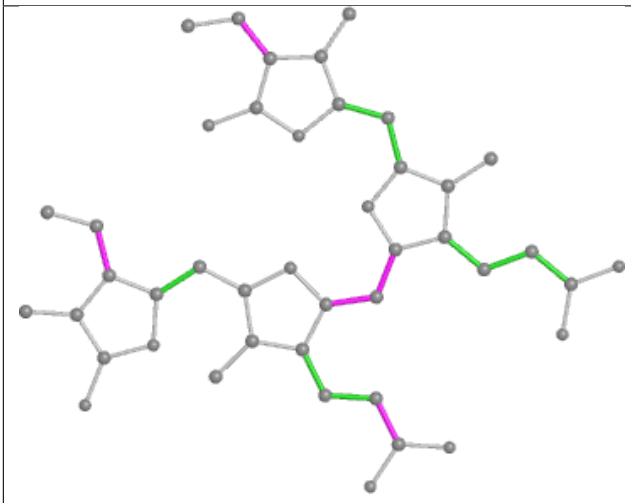


Bond angles



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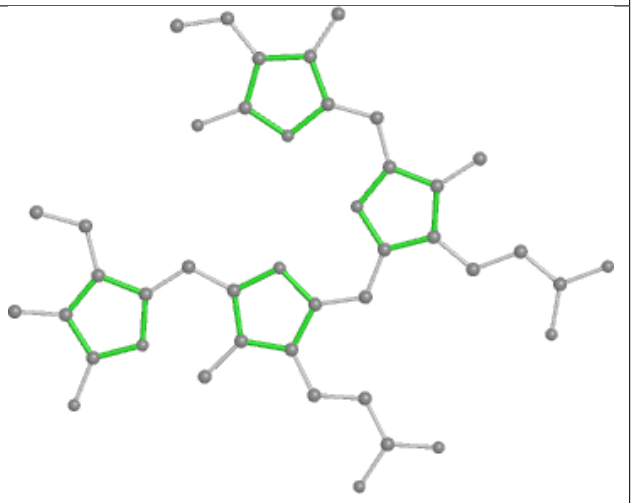
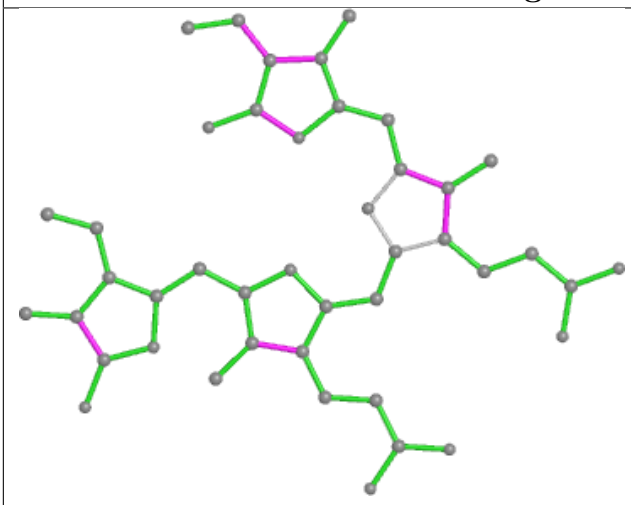


Rings

Ligand PEB cj 202



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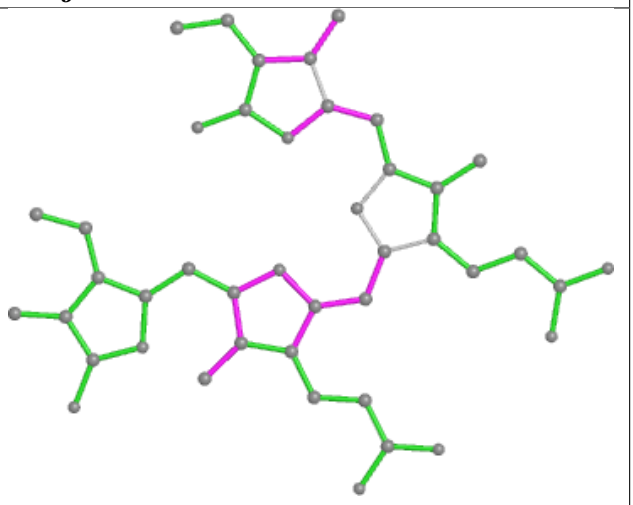
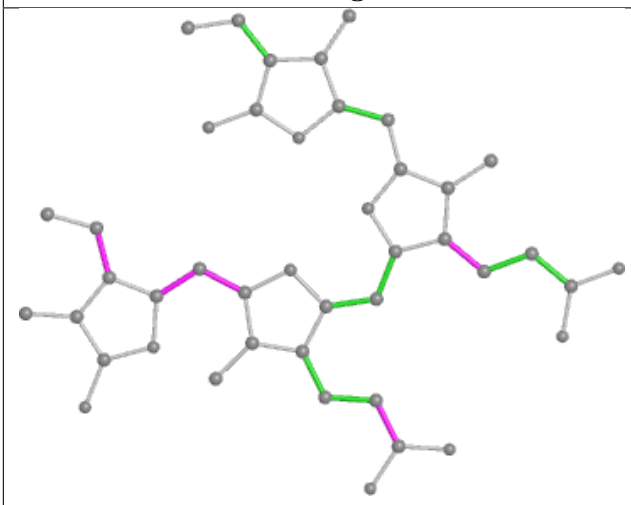
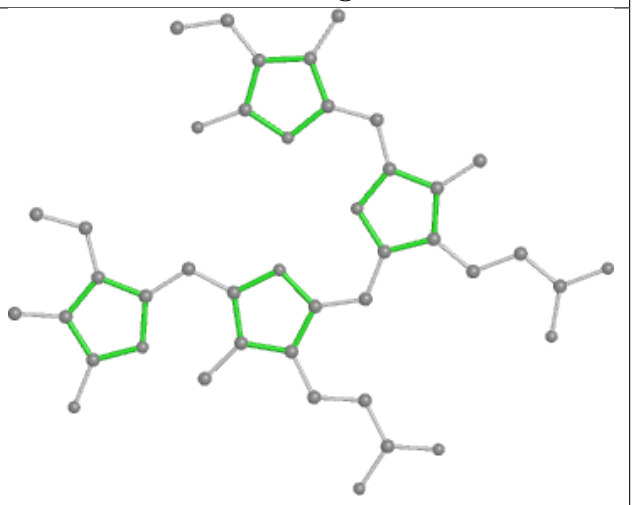


Bond angles

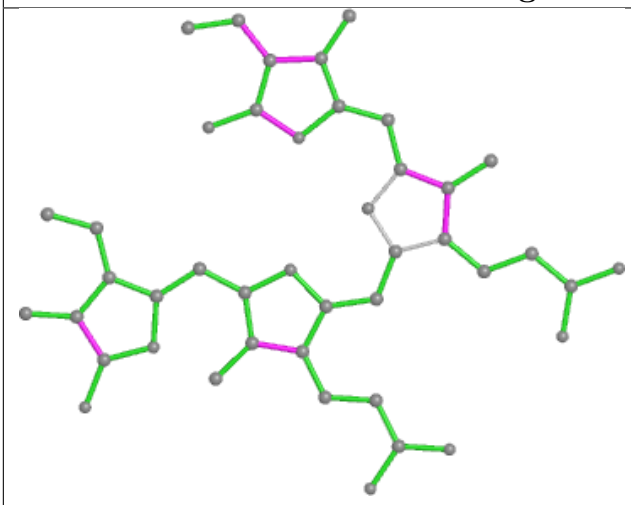


Torsions



Rings

Ligand PEB n4 202



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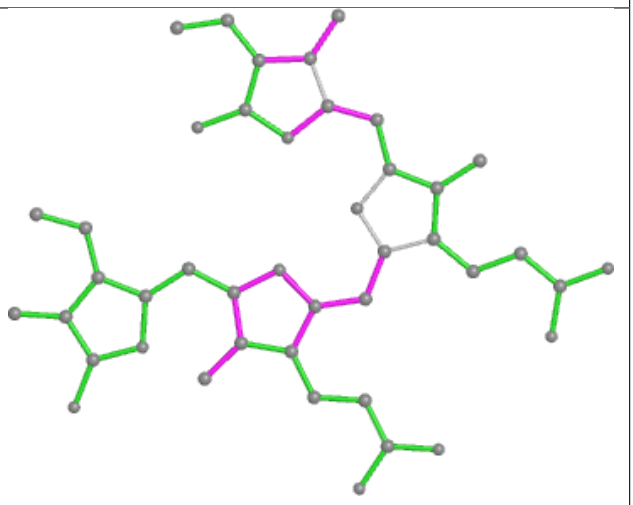

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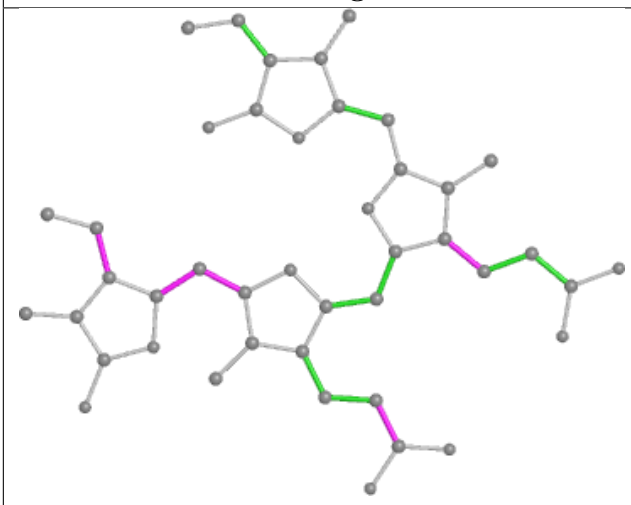

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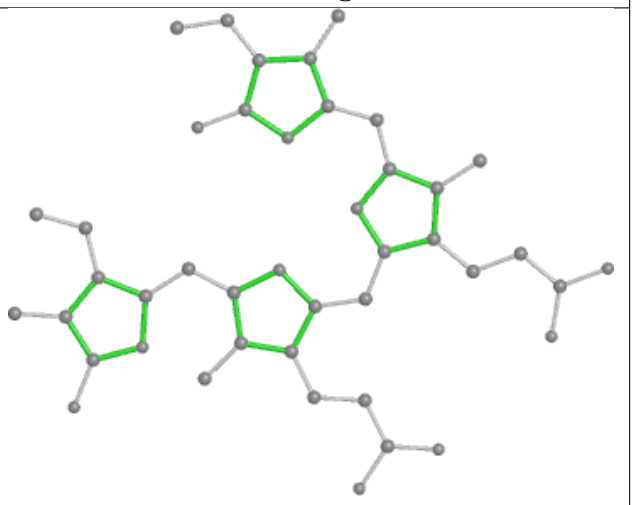

Rings

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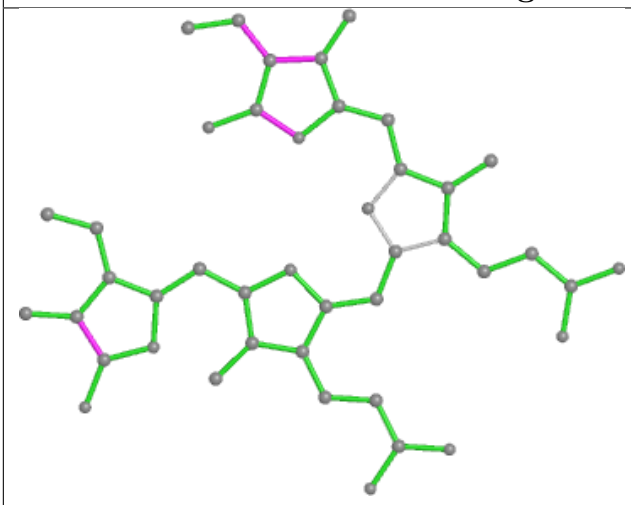

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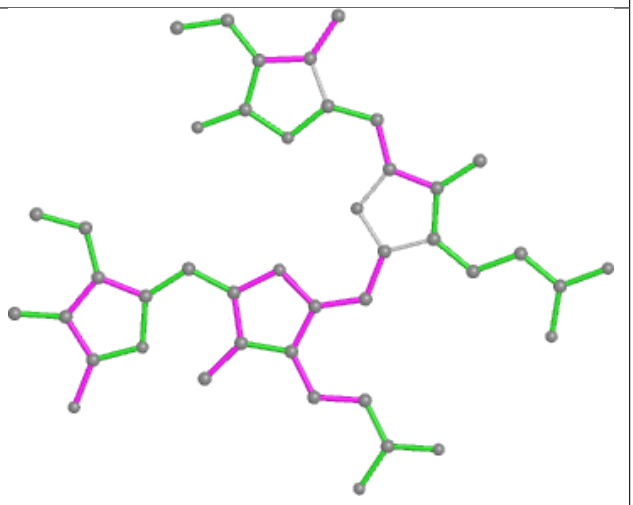

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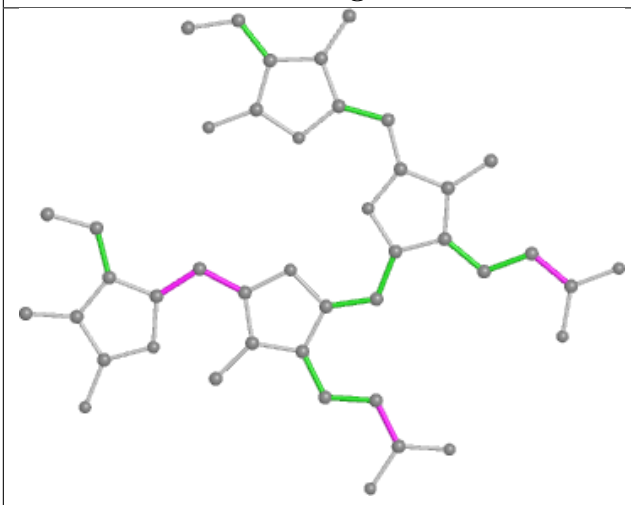

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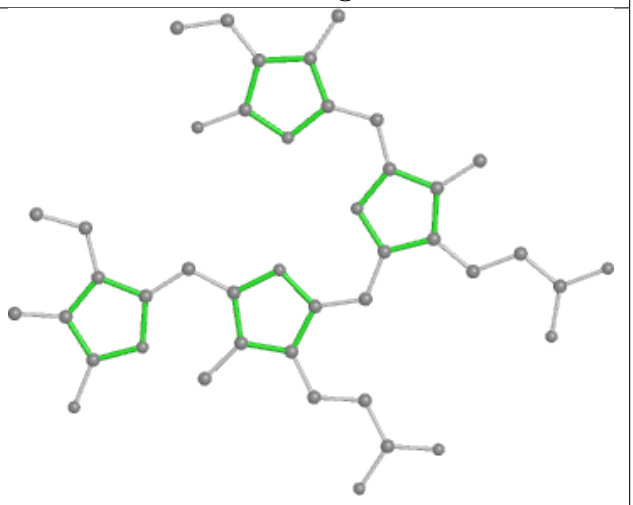
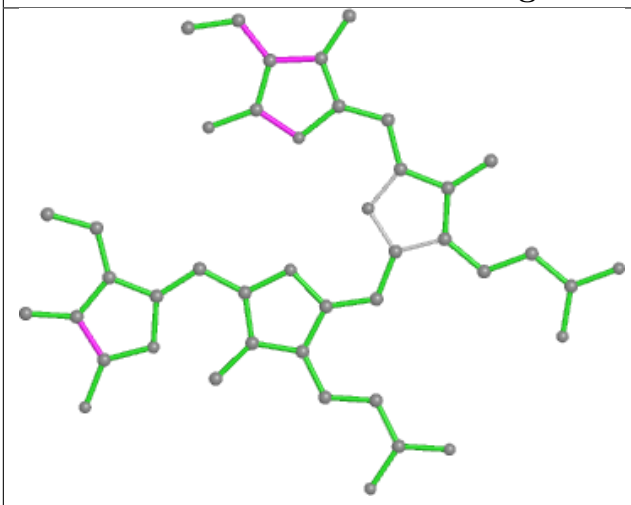


Rings

Ligand PEB p9 202



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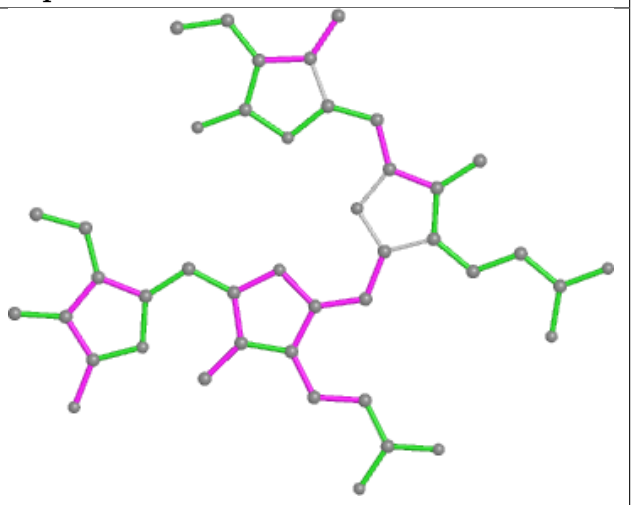

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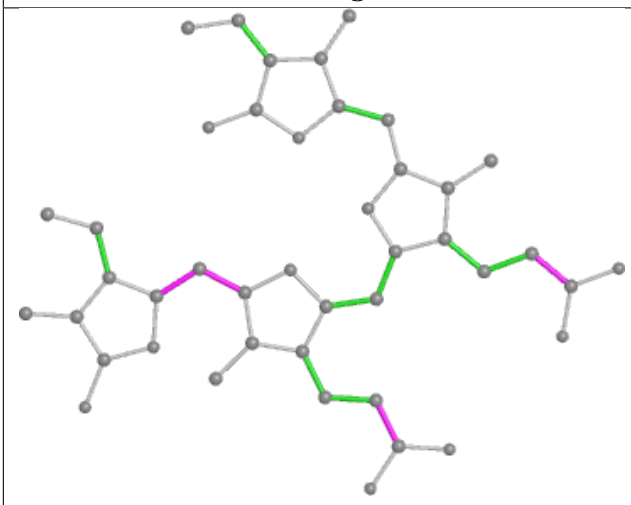

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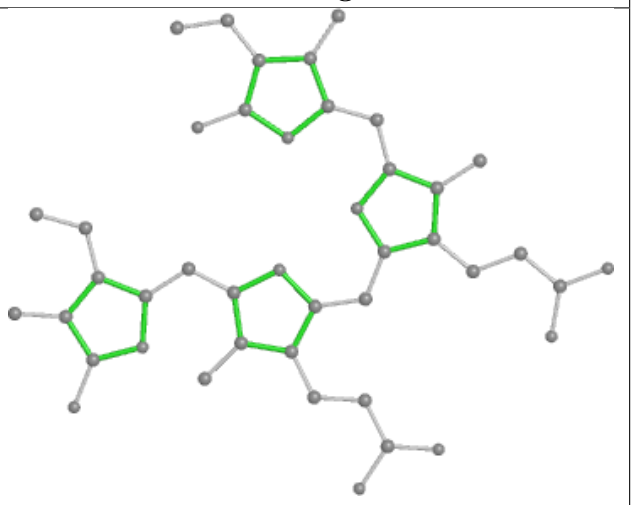

Rings

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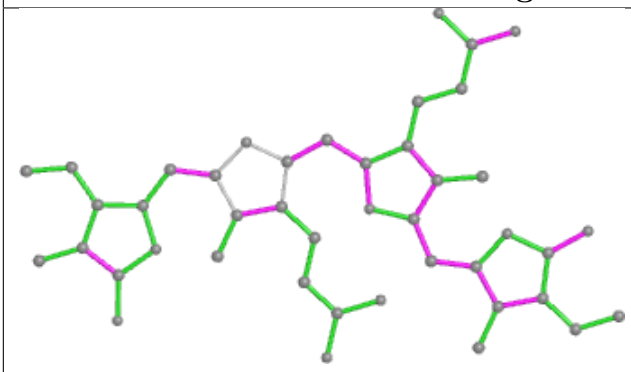

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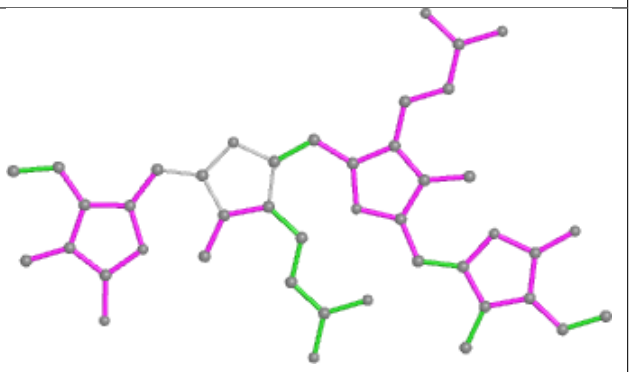

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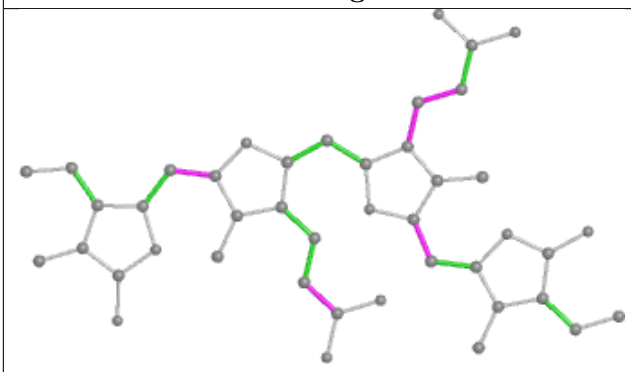

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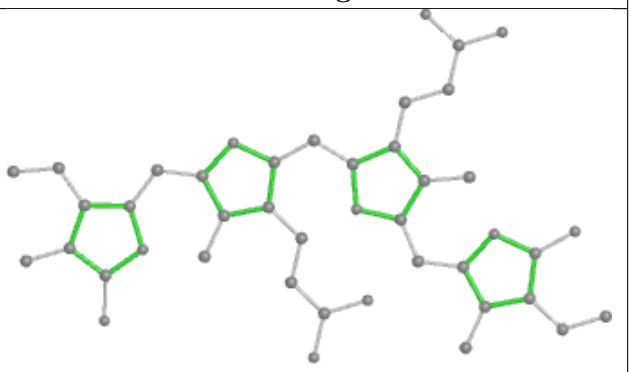

Rings

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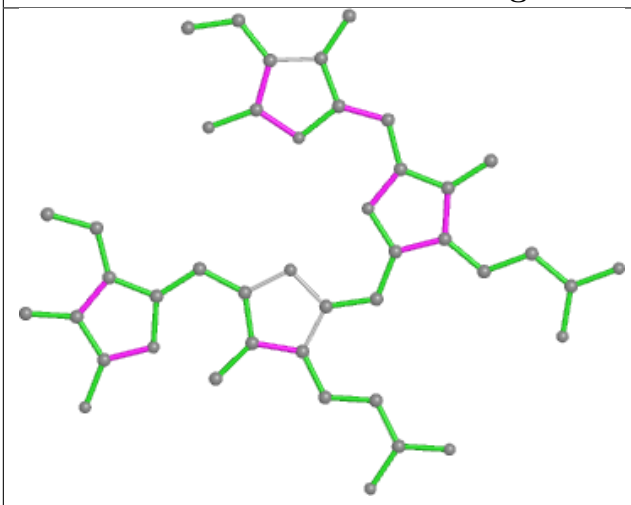

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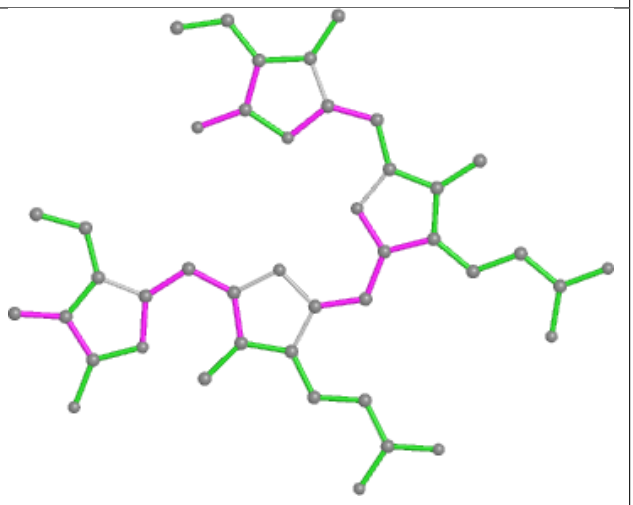

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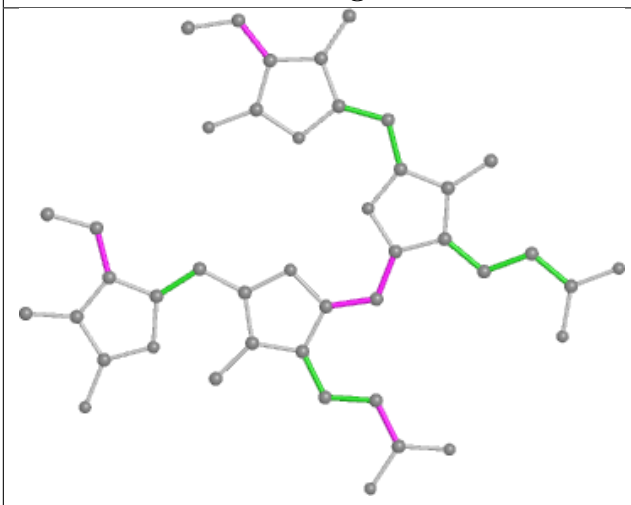

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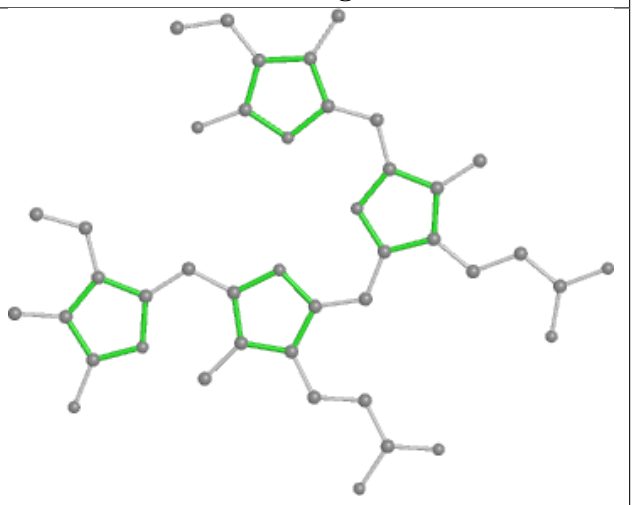

Rings

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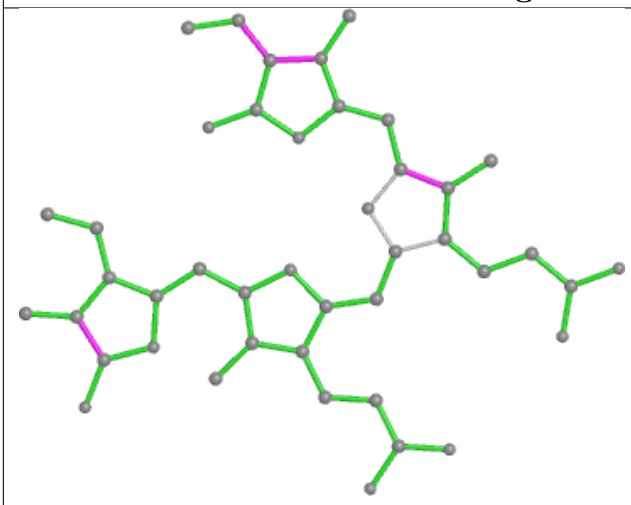

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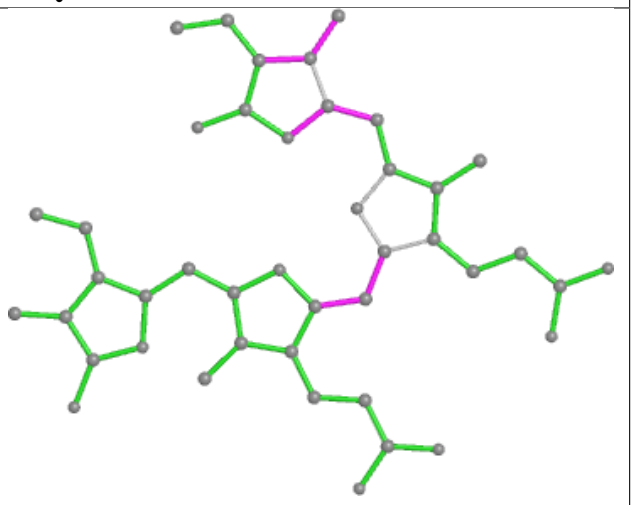

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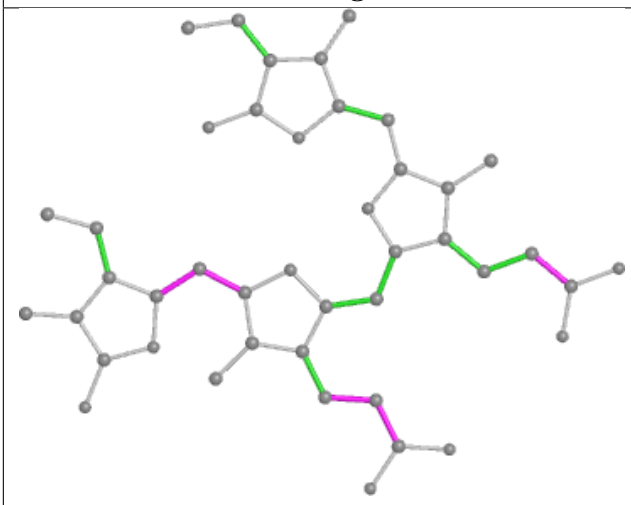

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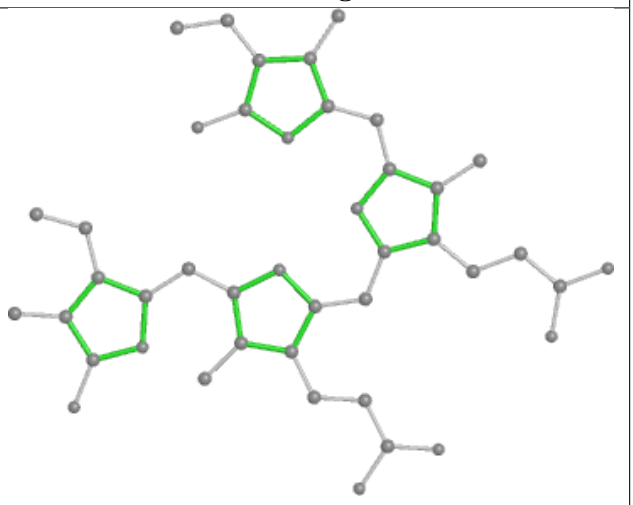

Rings

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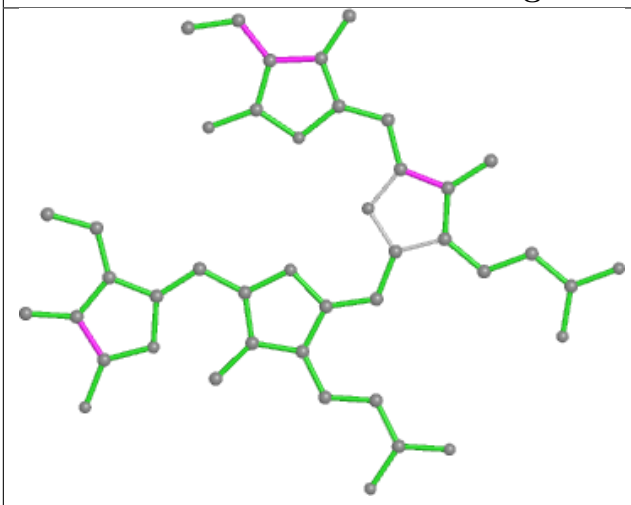

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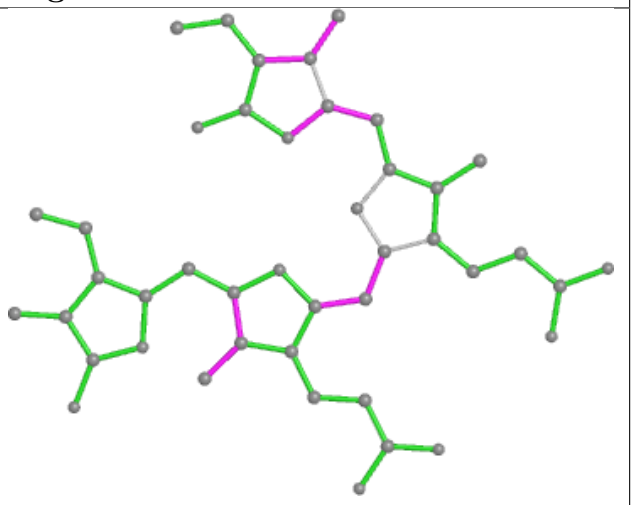

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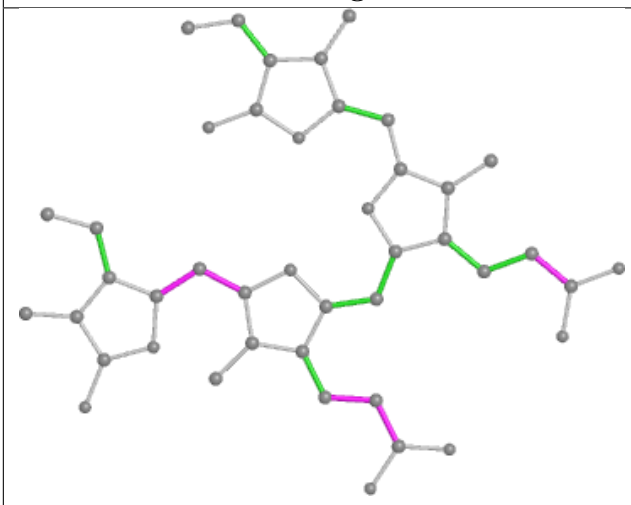

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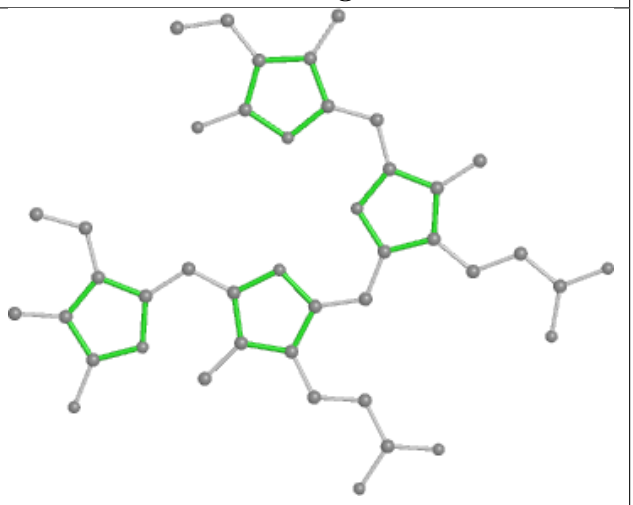

Rings

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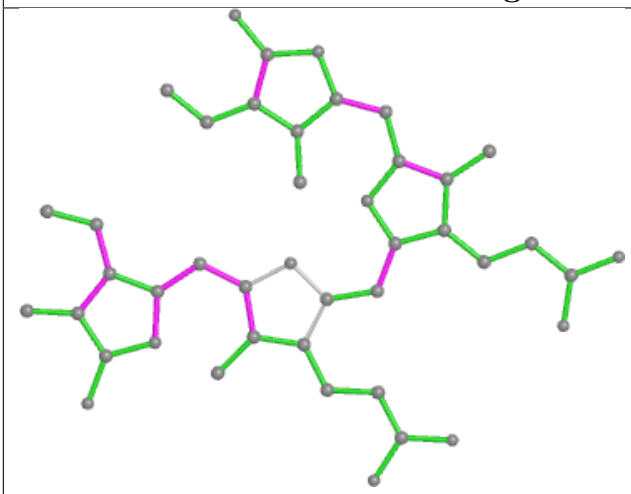

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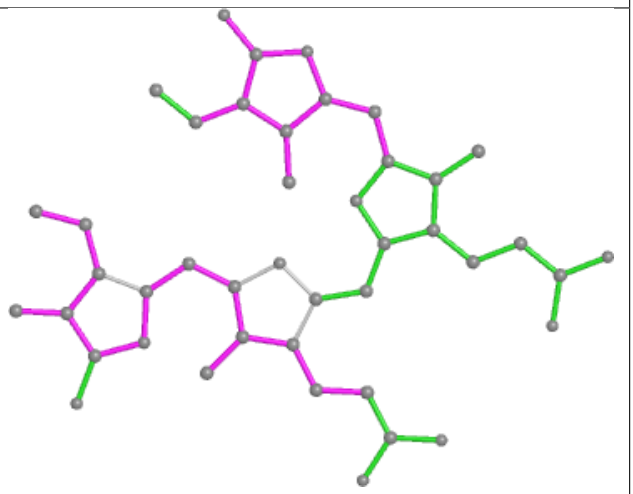

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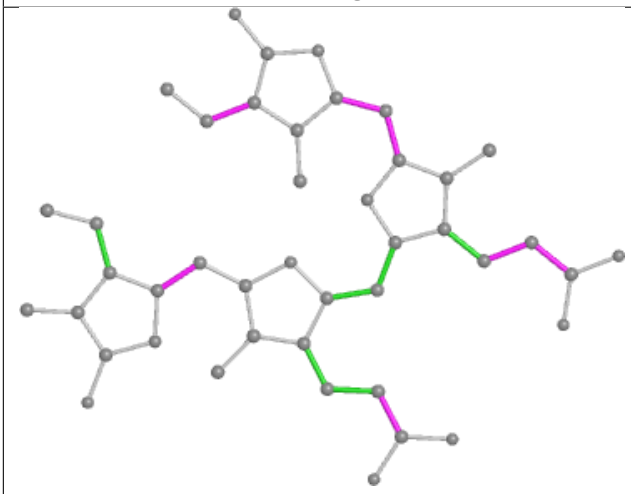

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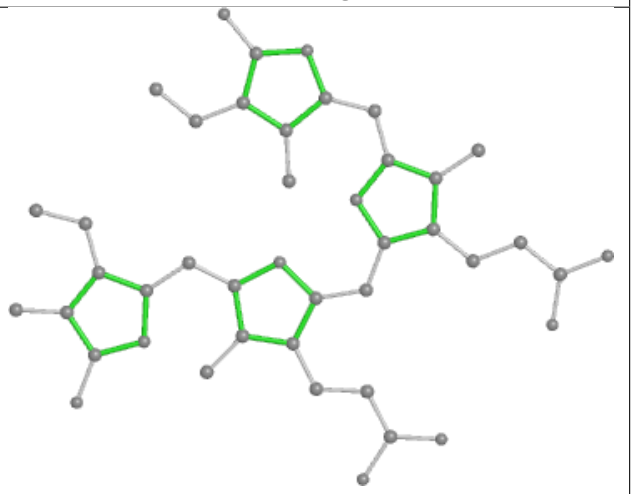

Rings

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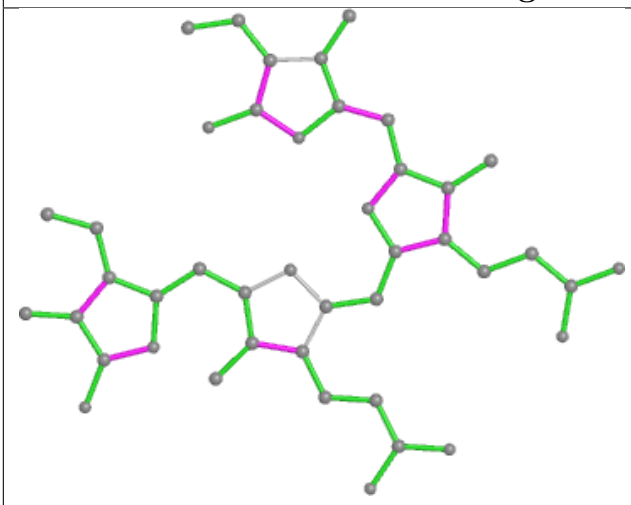

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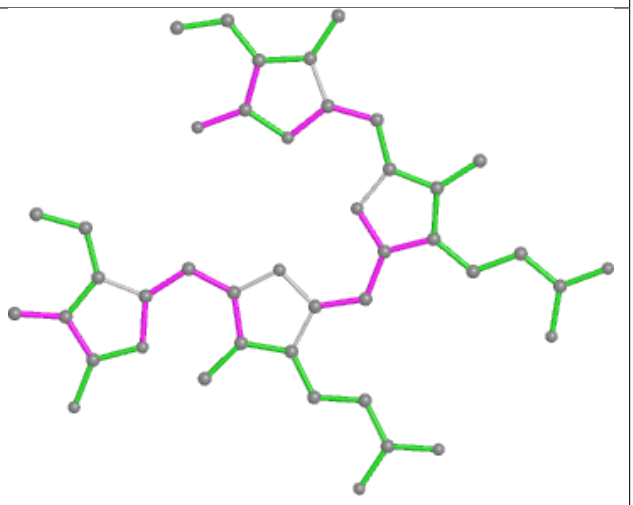

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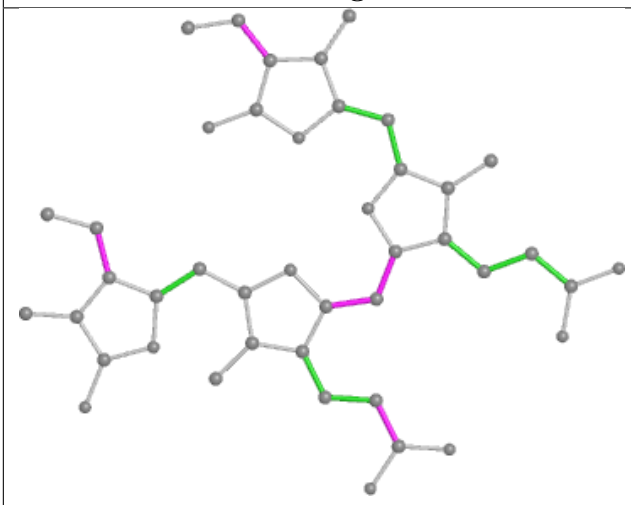

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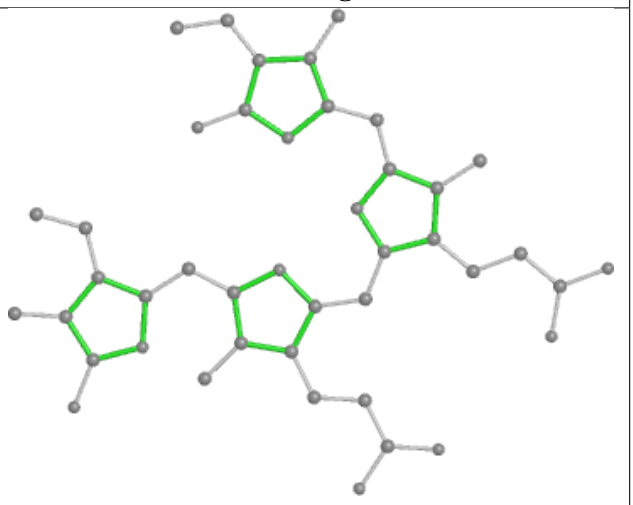

Rings

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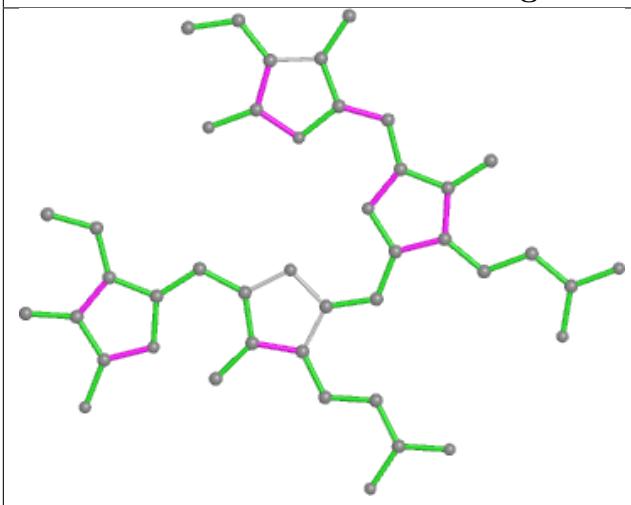

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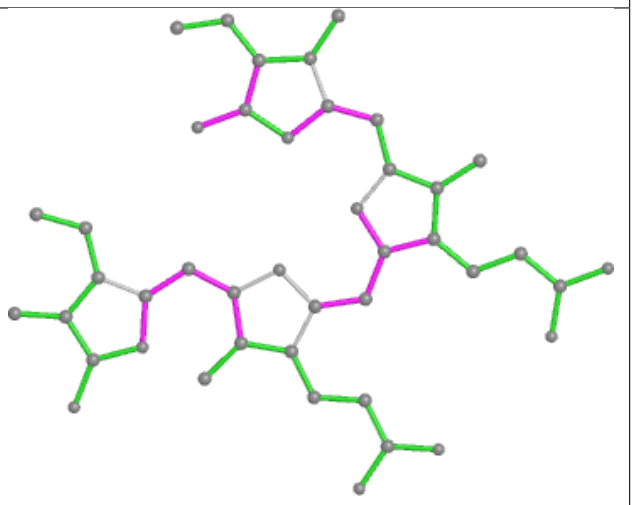

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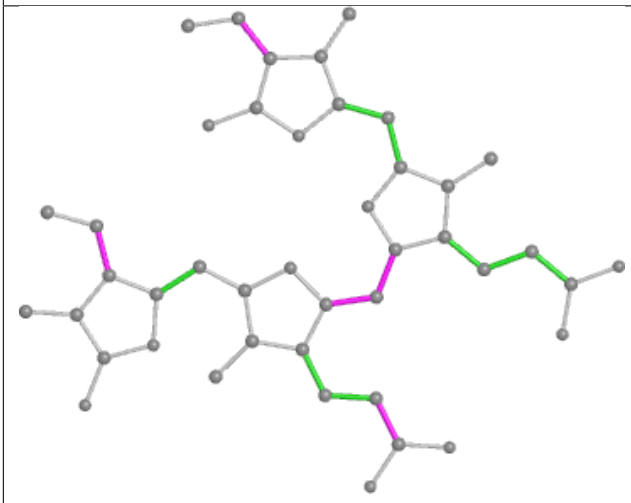

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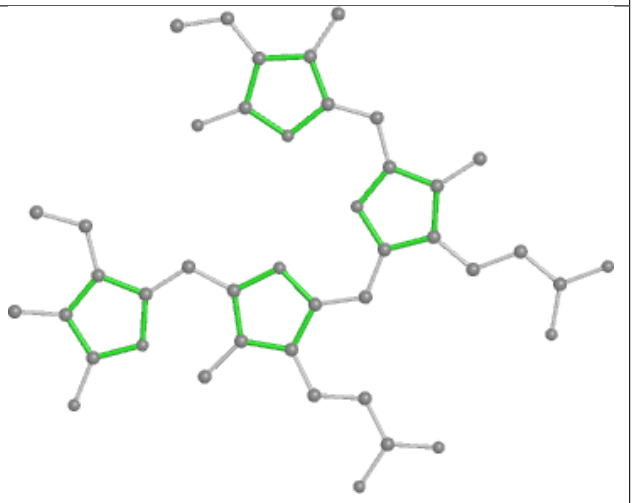
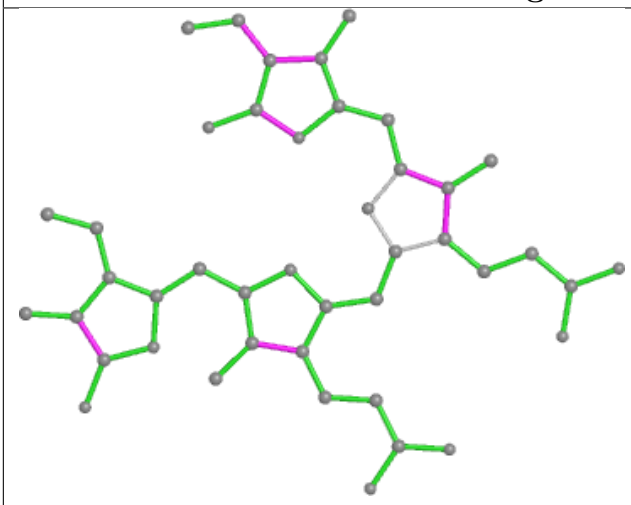


Rings

Ligand PEB fj 202



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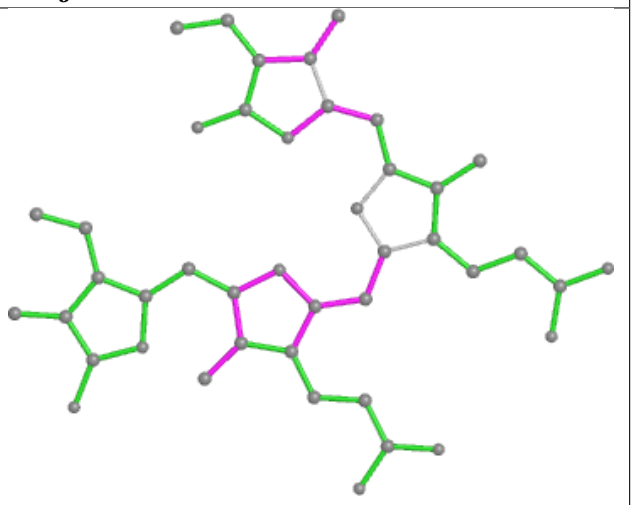

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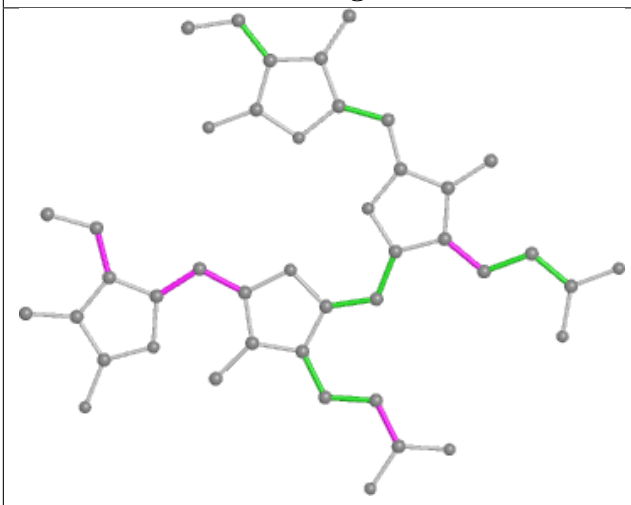

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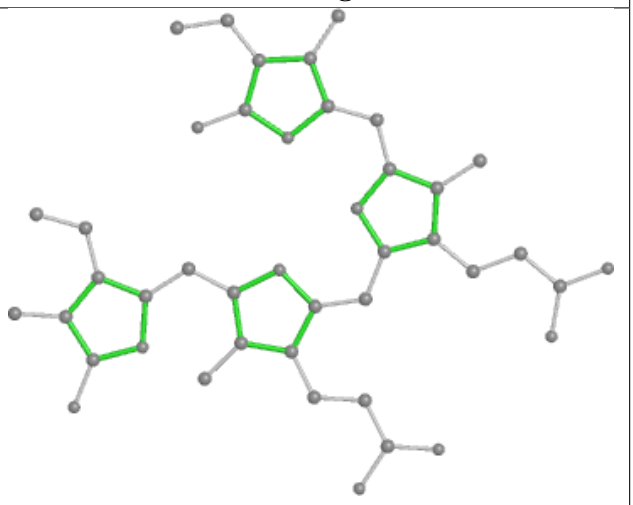
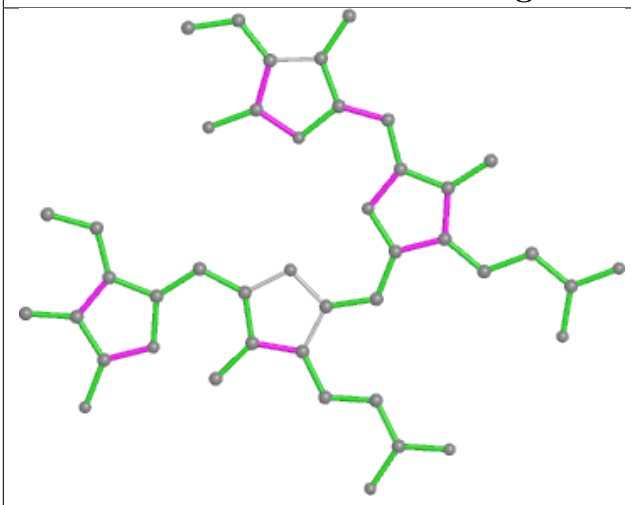


Rings

Ligand PUB F7 202



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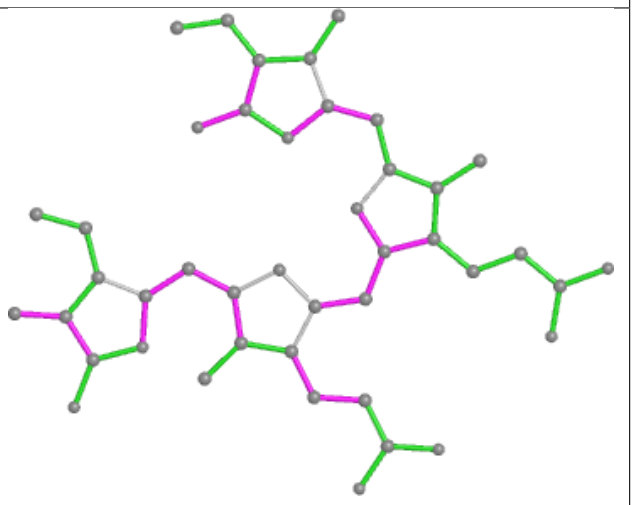

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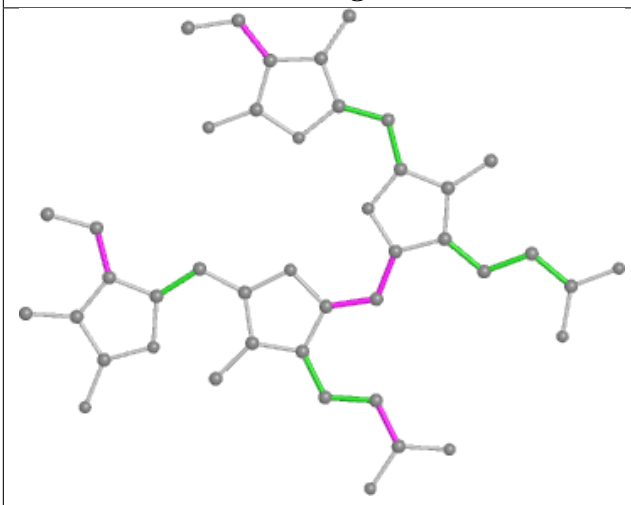

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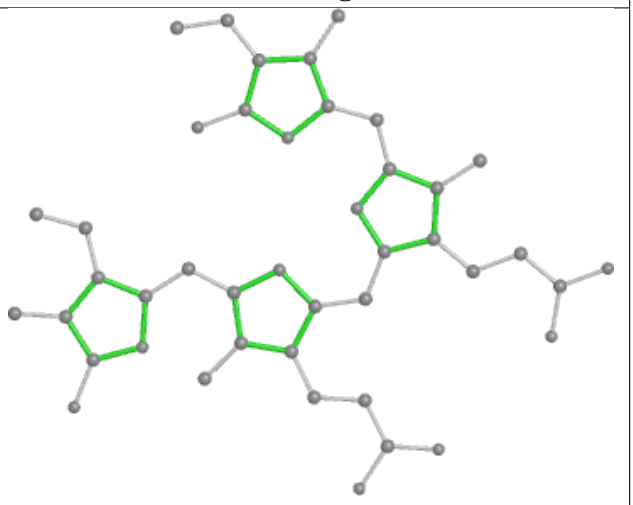
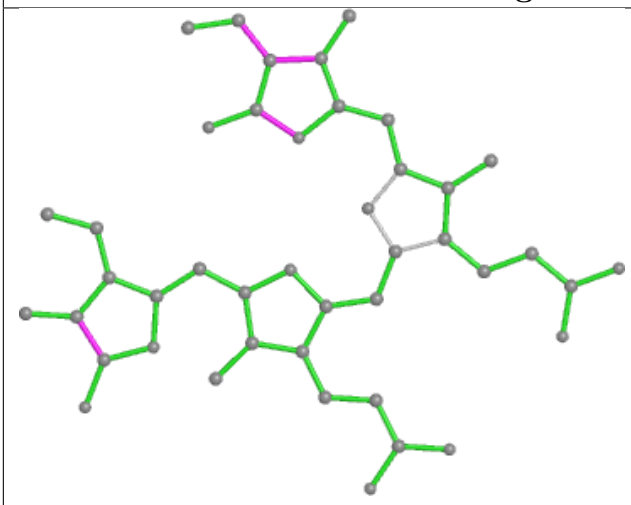


Rings

Ligand PEB Q9 201



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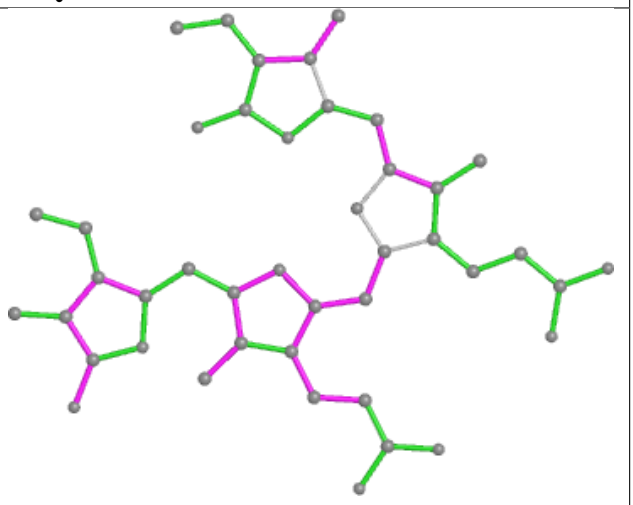
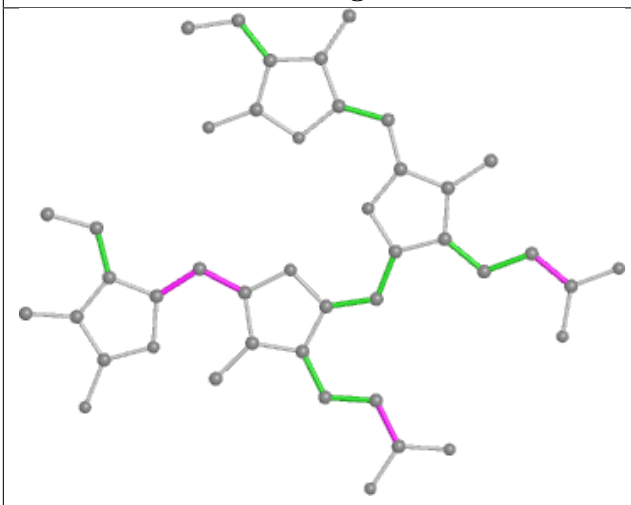
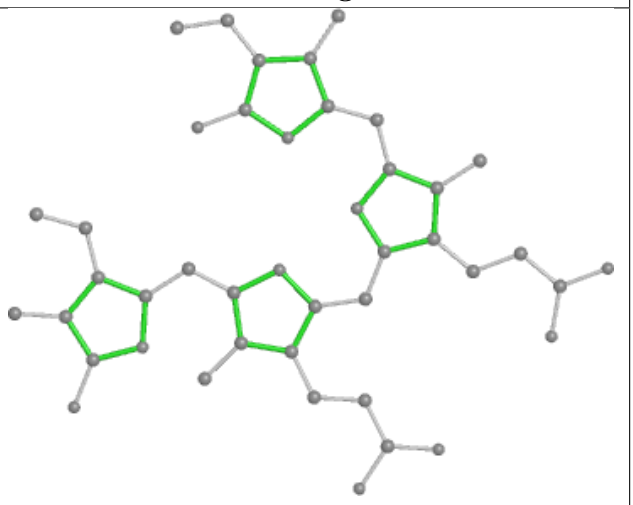


Bond angles

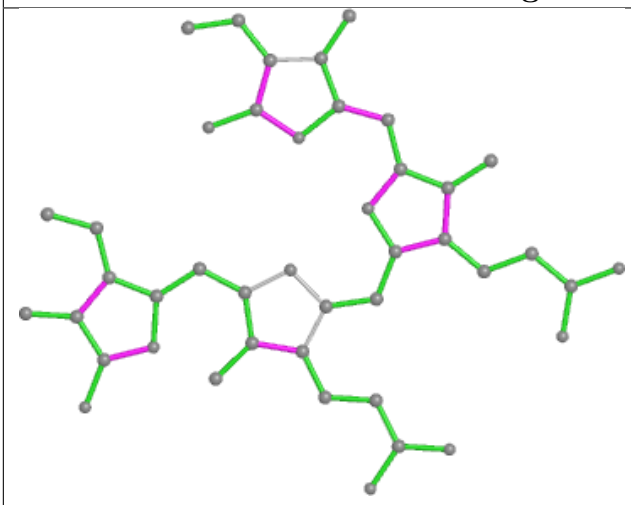


Torsions



Rings

Ligand PUB l7 203



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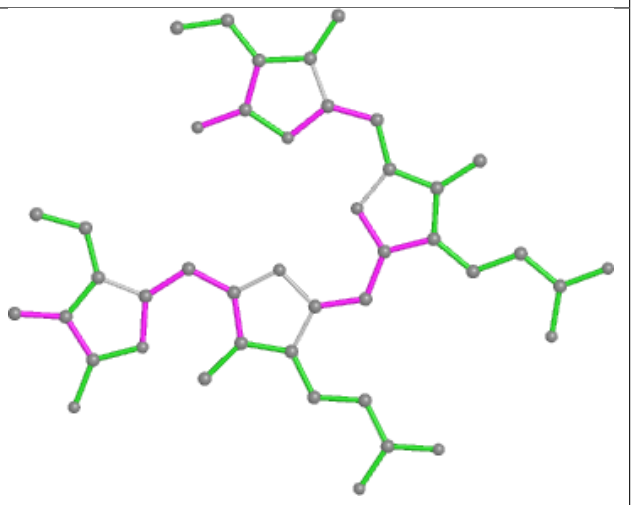

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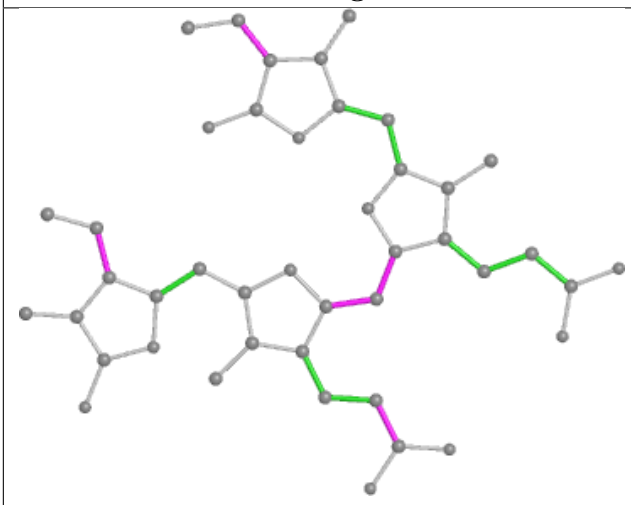

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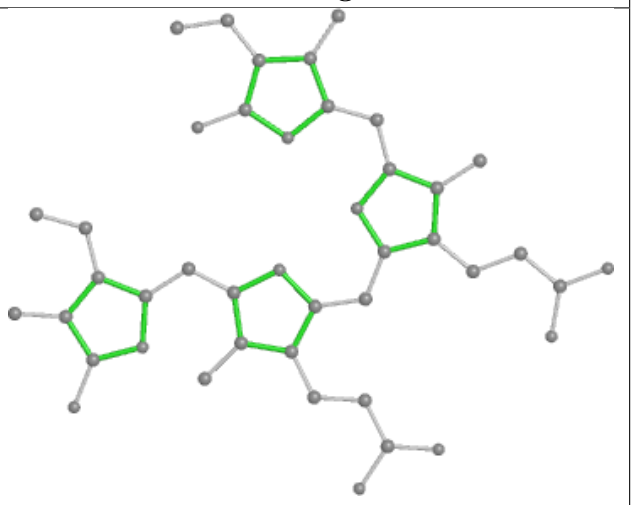
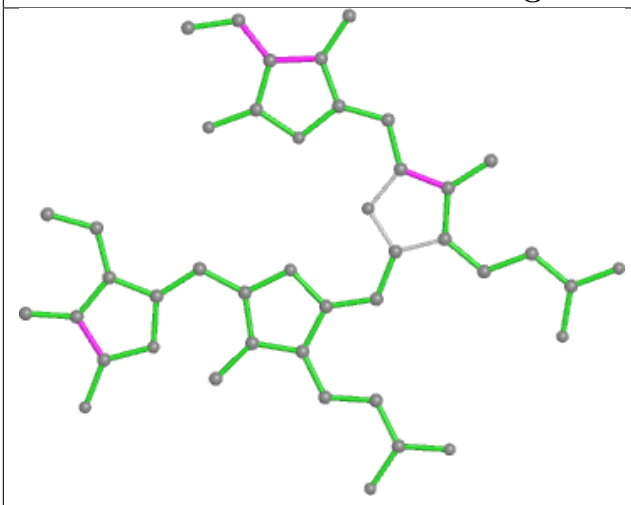


Rings

Ligand PEB ef 202



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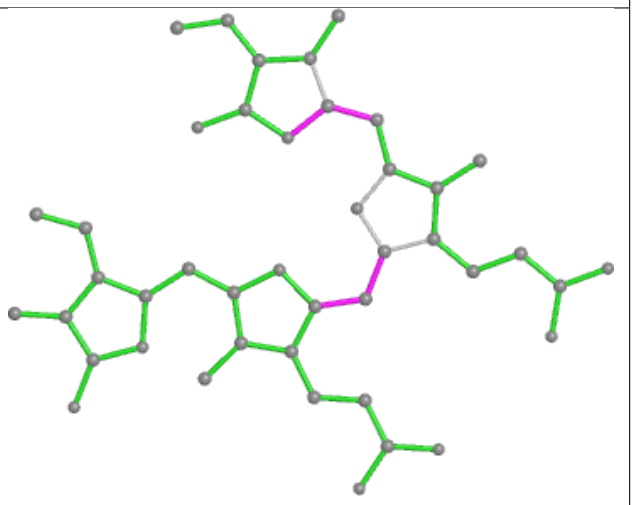

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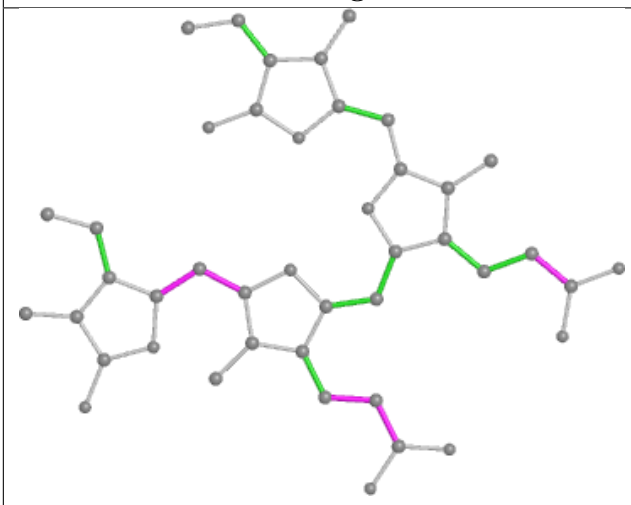

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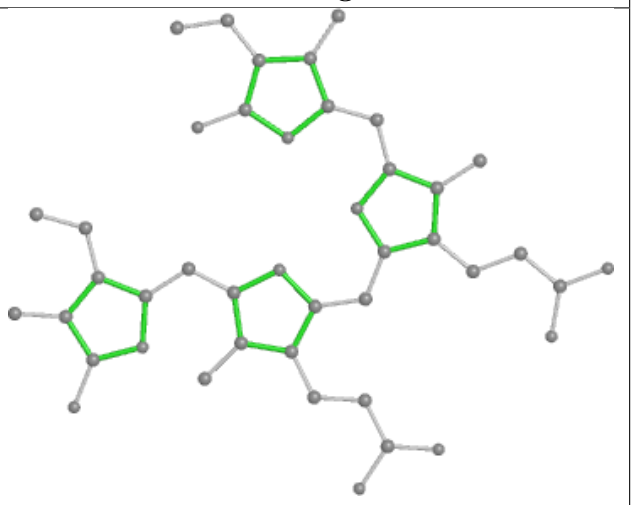
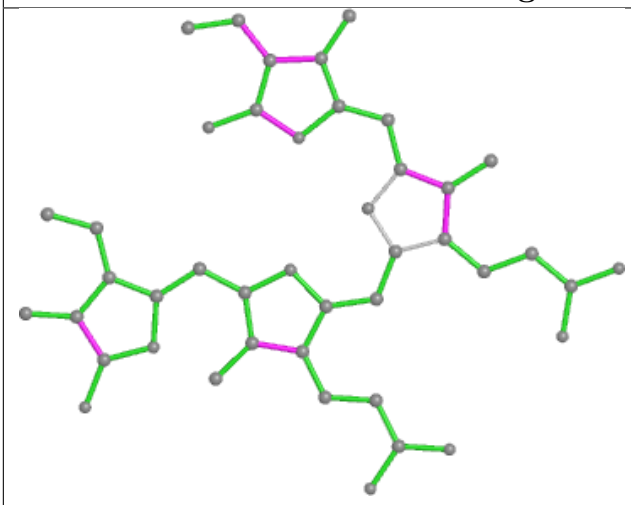


Rings

Ligand PEB cE 202



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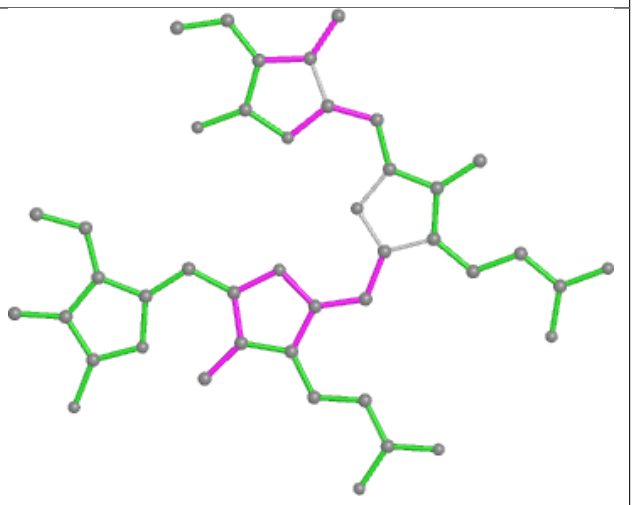

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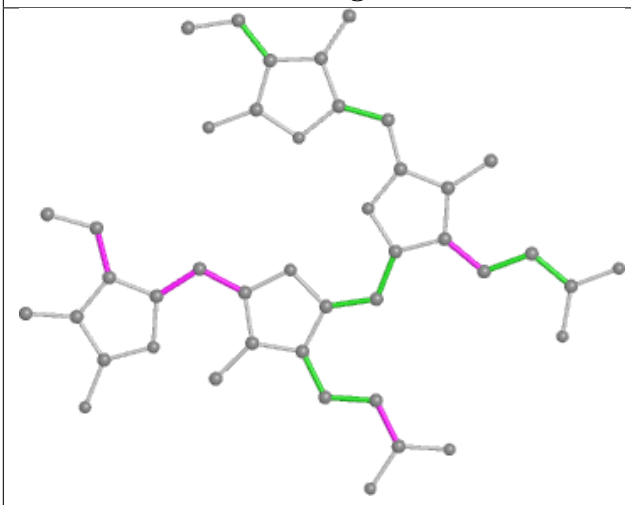

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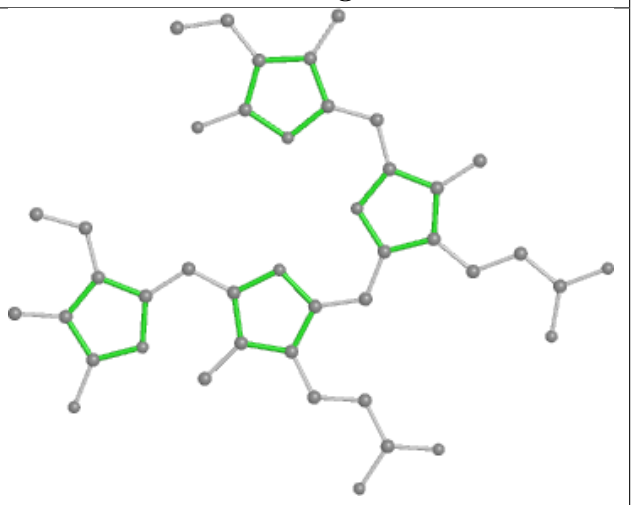
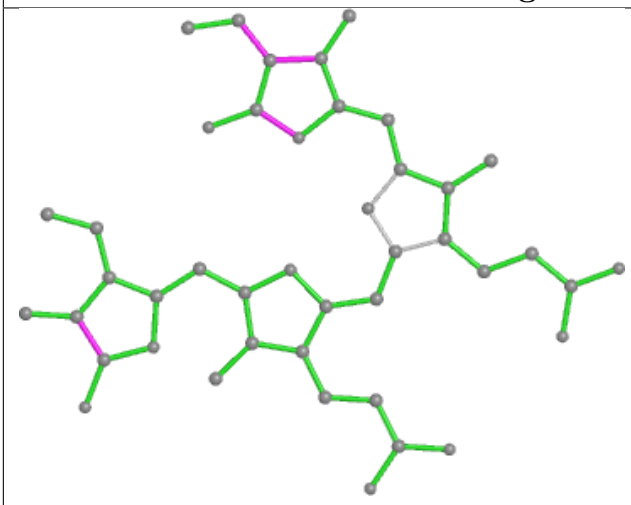


Rings

Ligand PEB d8 302



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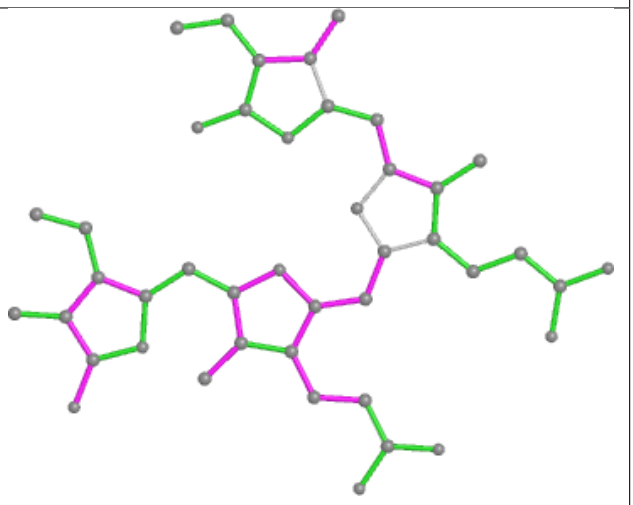

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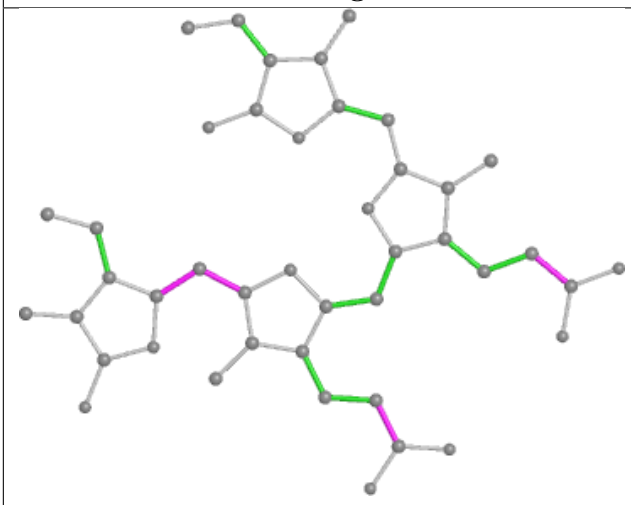

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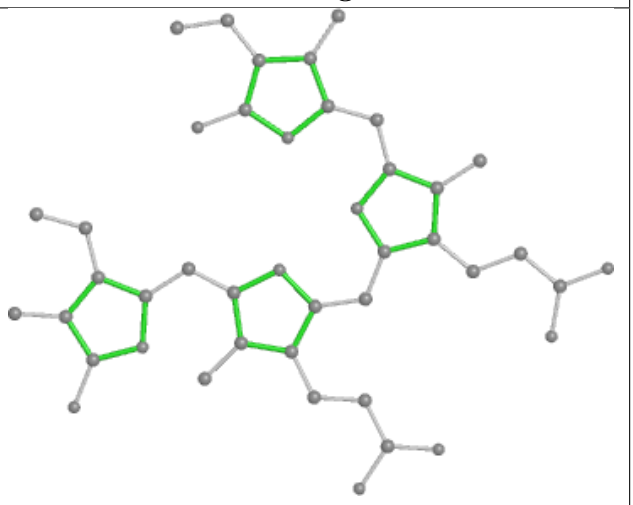

Rings

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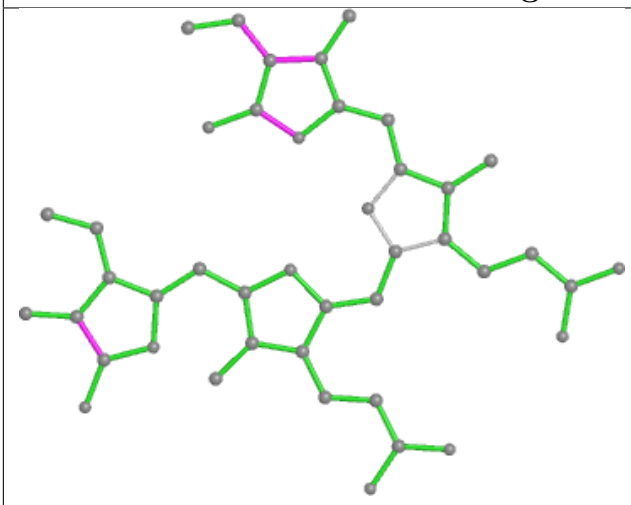

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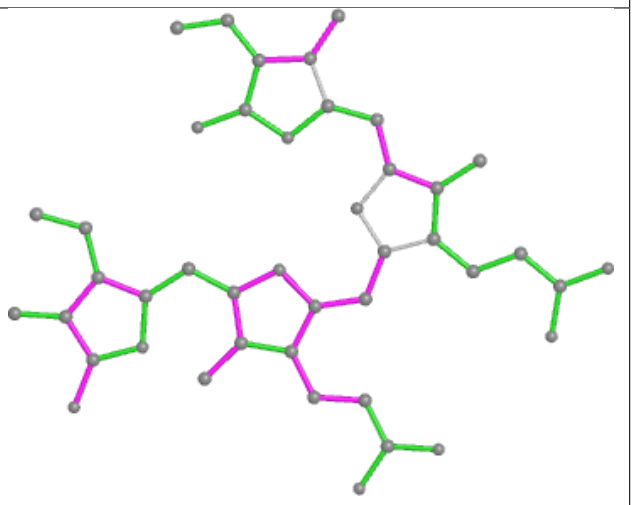

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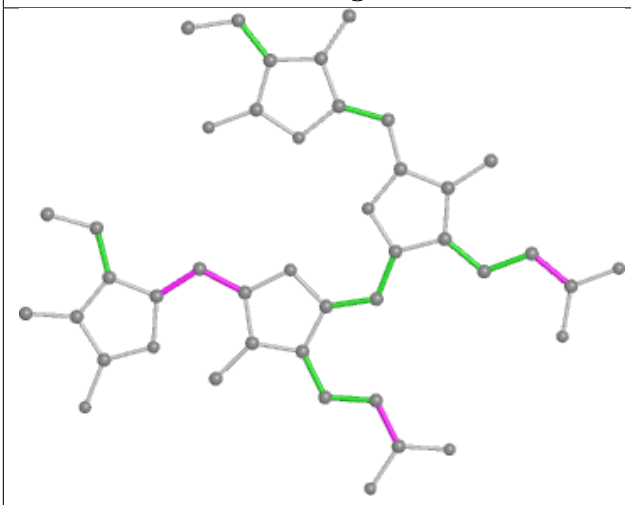

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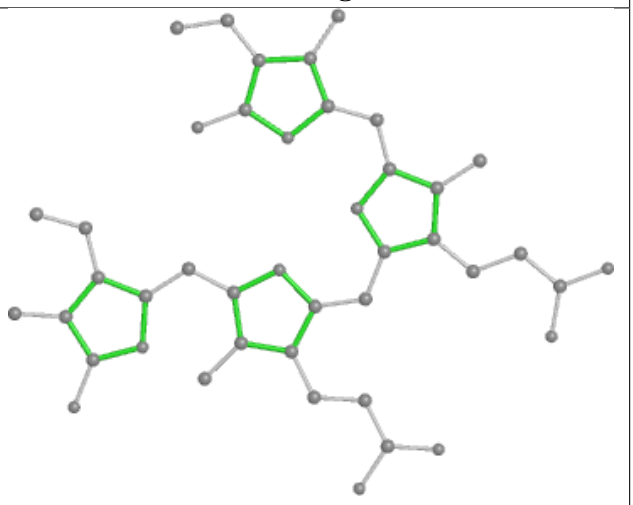
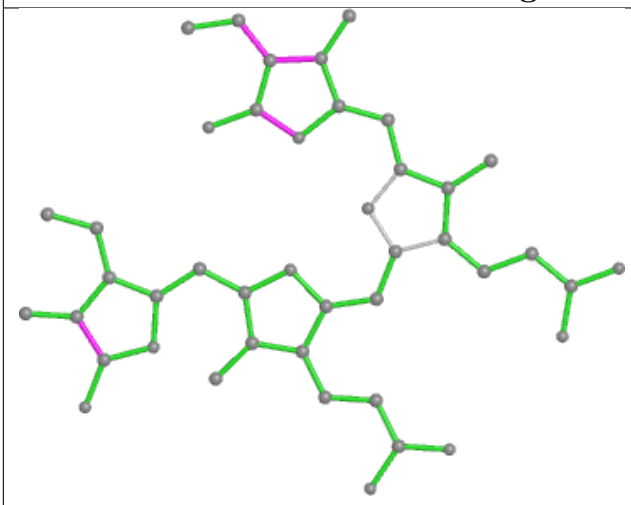


Rings

Ligand PEB o6 202



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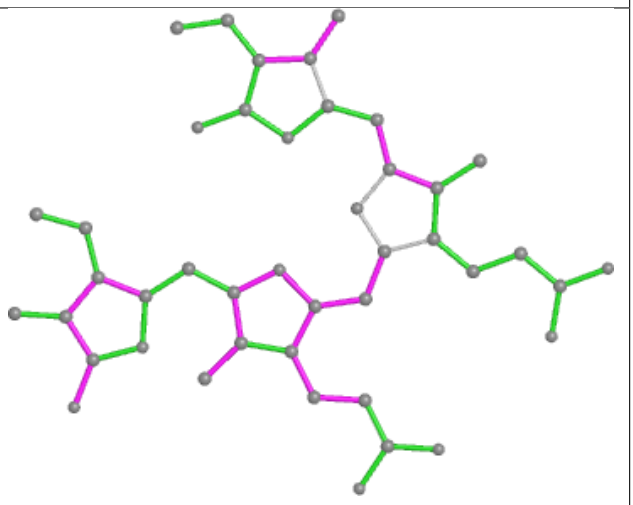

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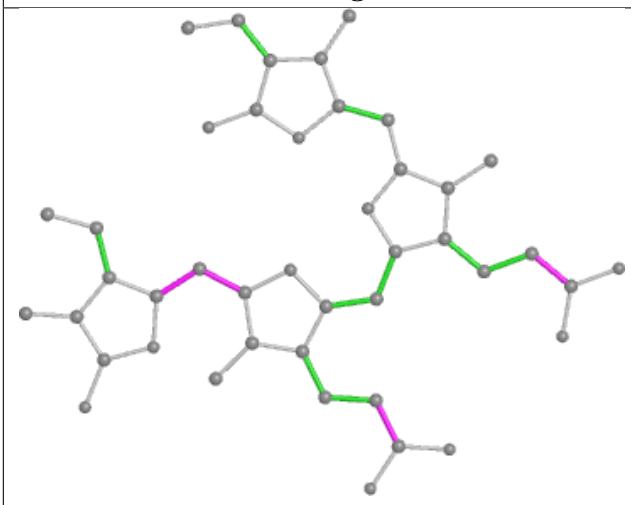

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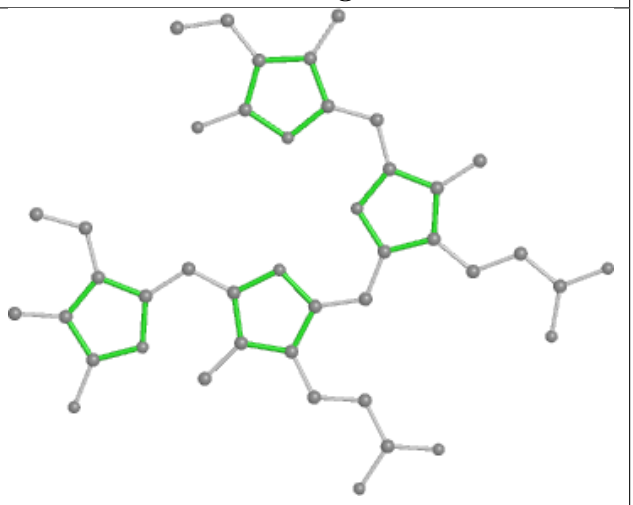
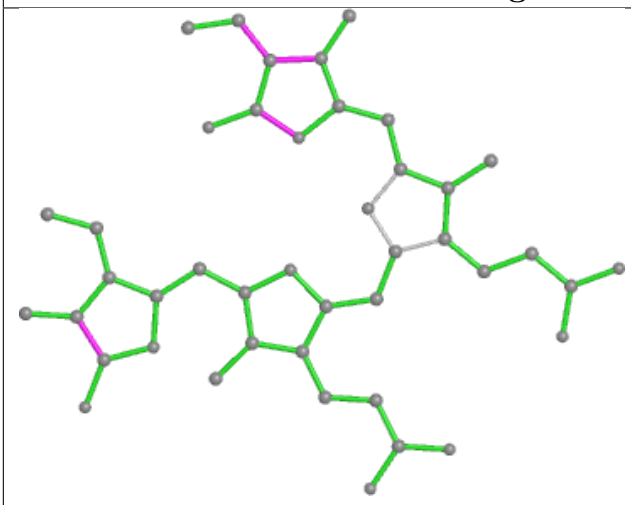


Rings

Ligand PEB Z9 1007



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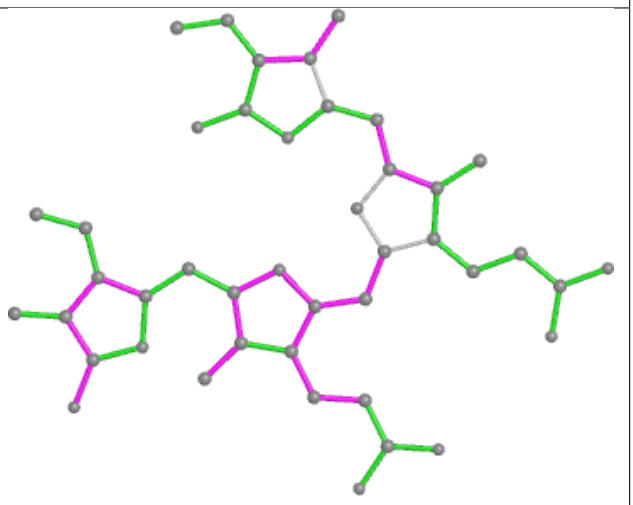

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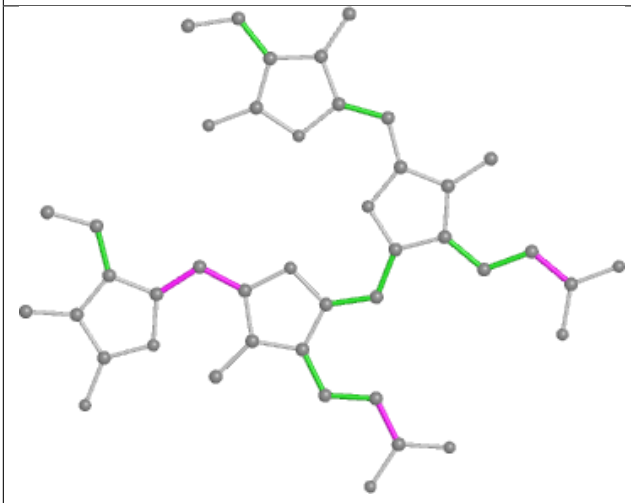

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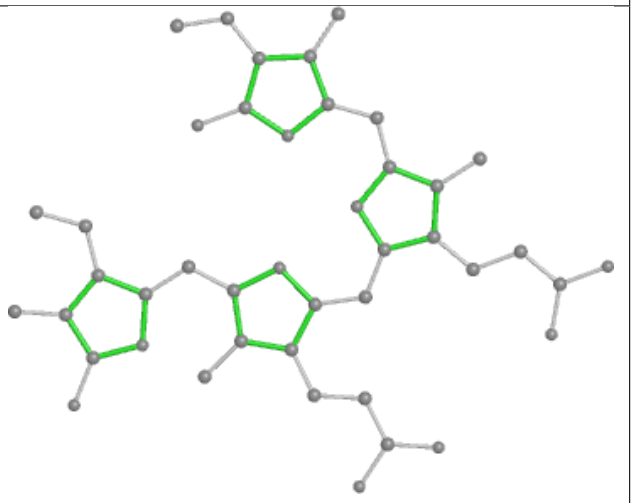
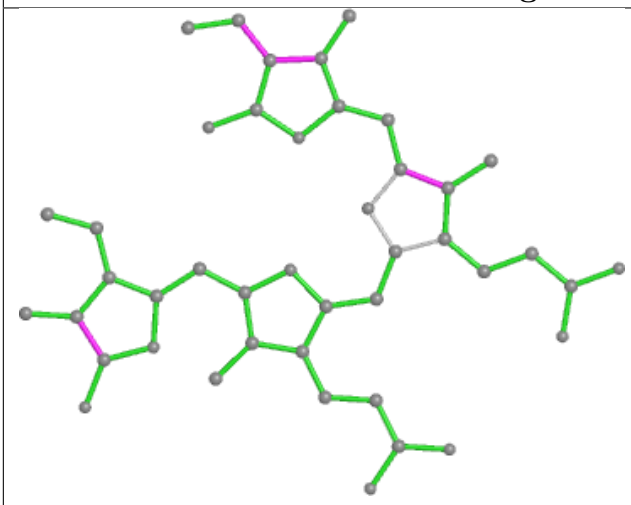


Rings

Ligand PEB de 202



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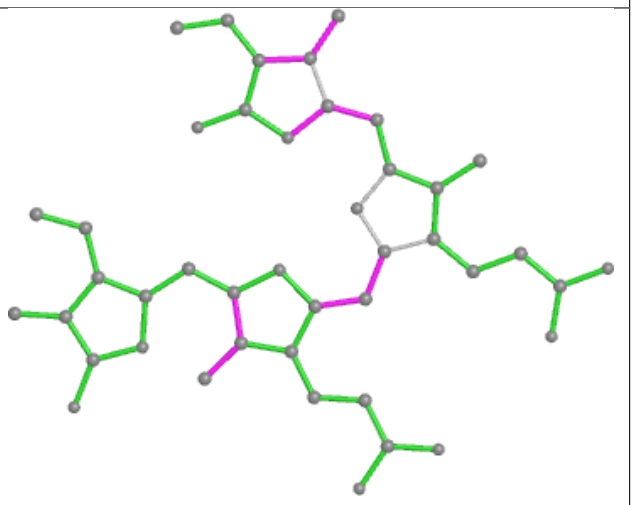

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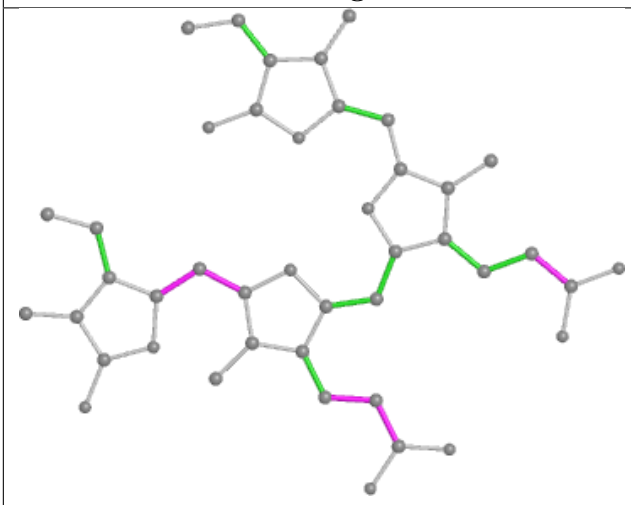

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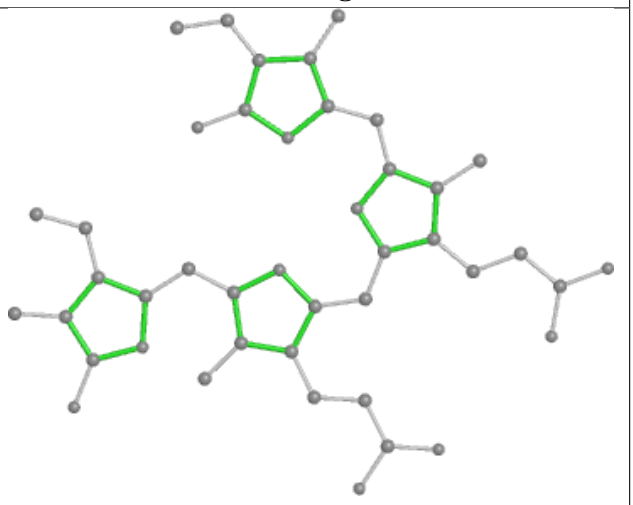
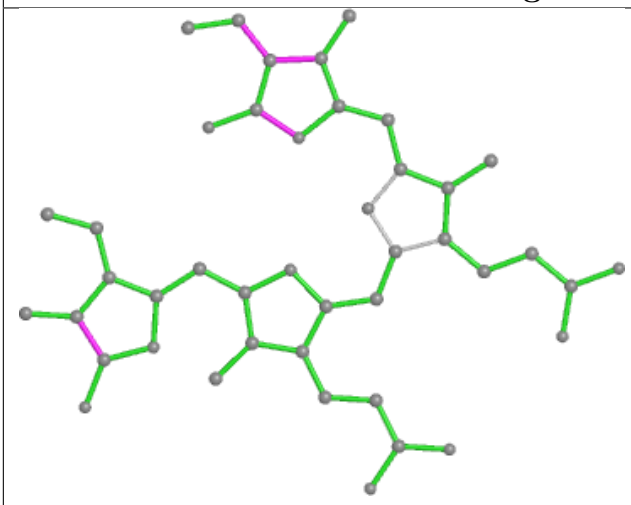


Rings

Ligand PEB ly 402



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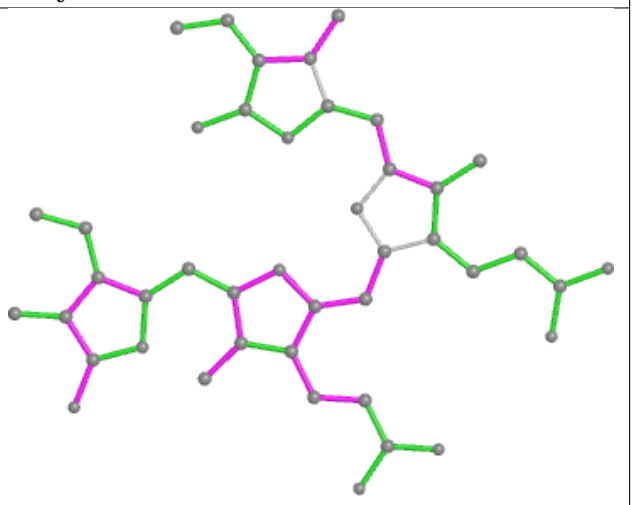

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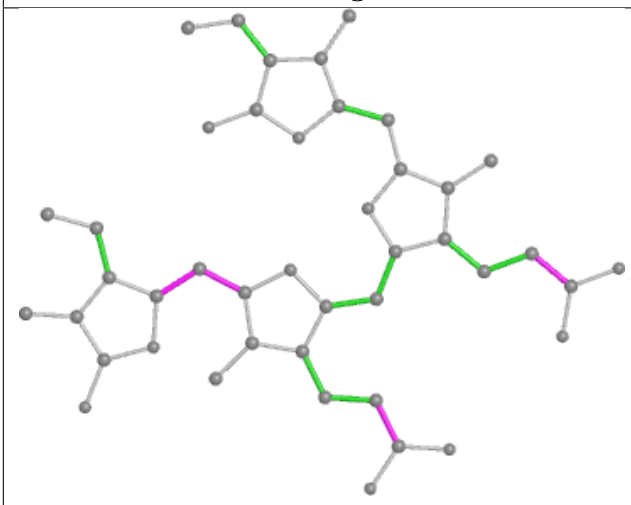

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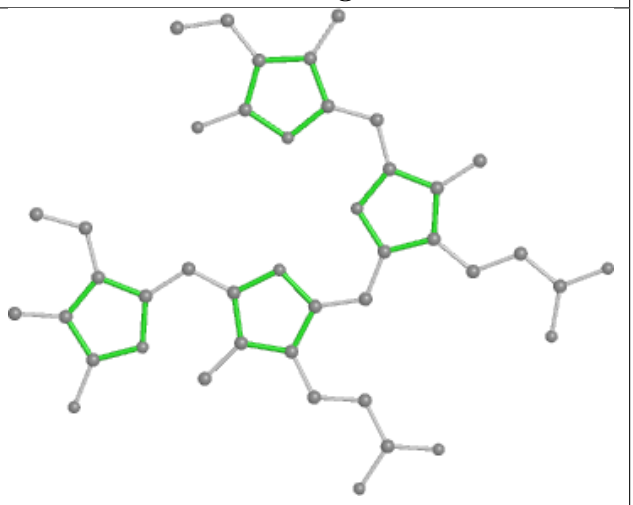
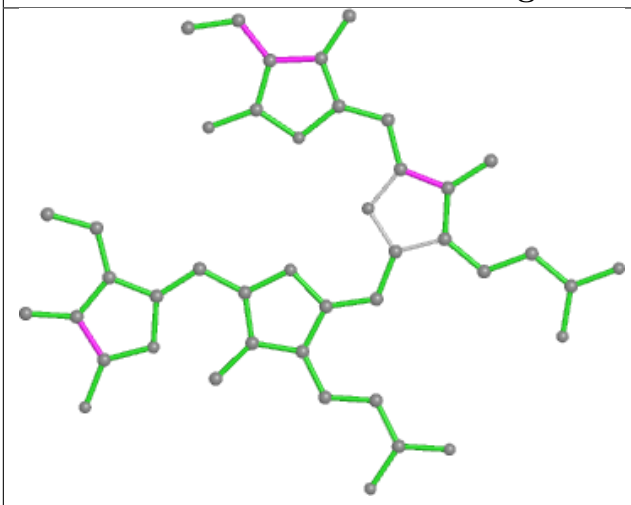


Rings

Ligand PEB bS 202



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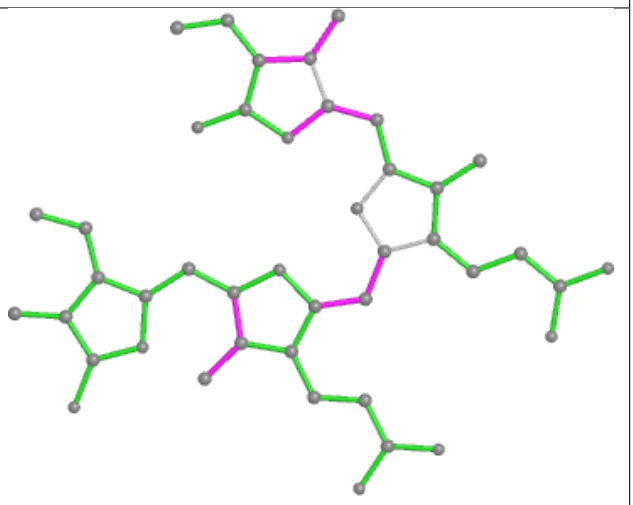

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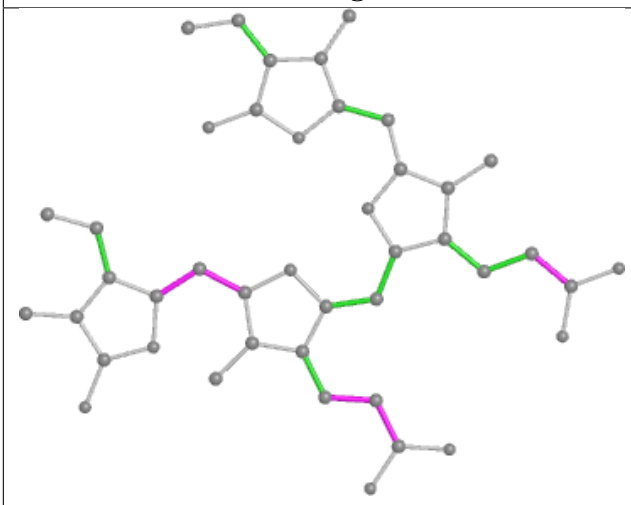

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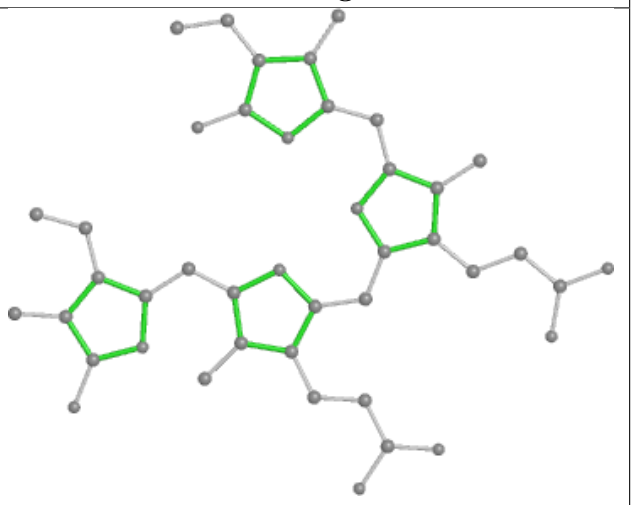

Rings

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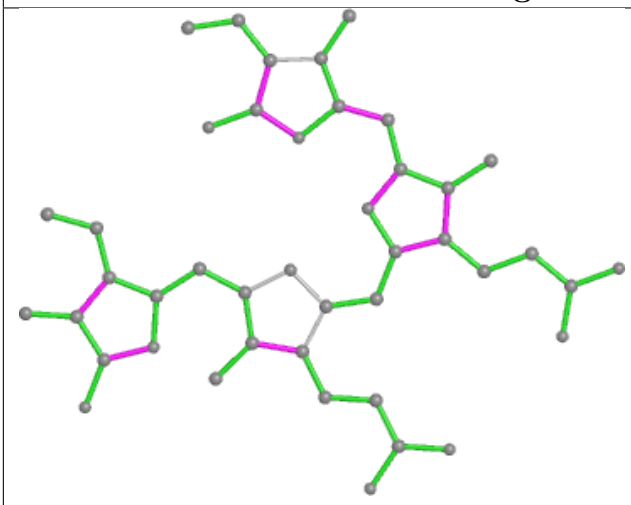

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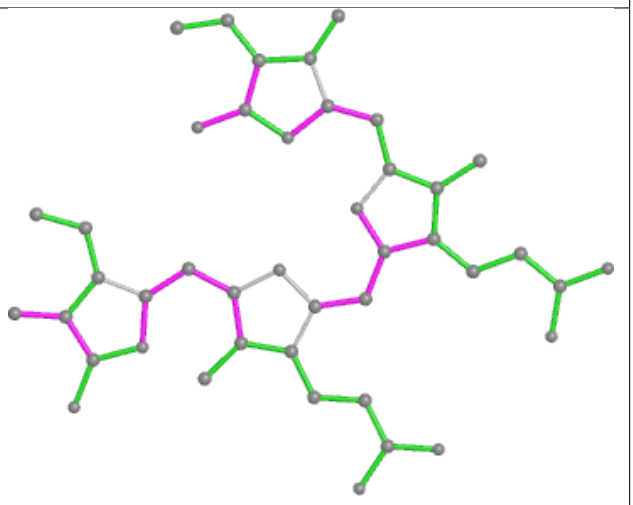

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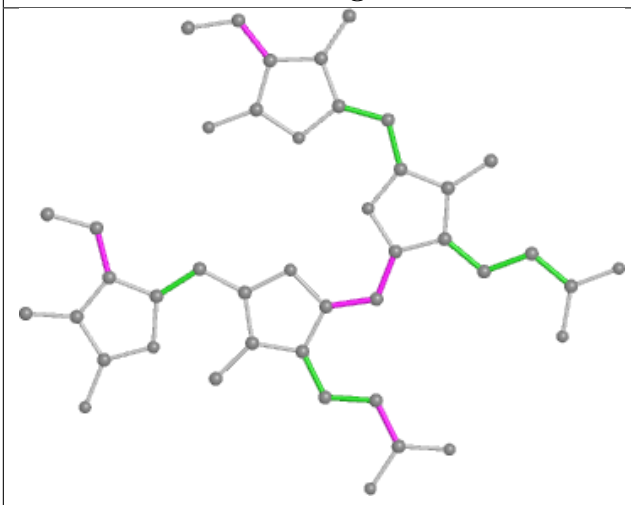

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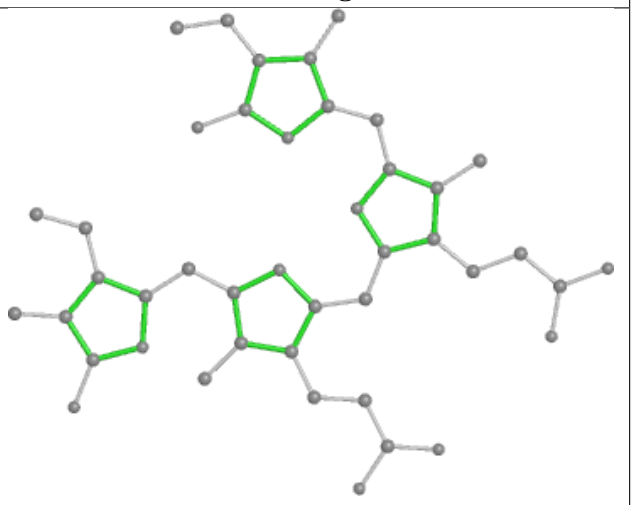

Rings

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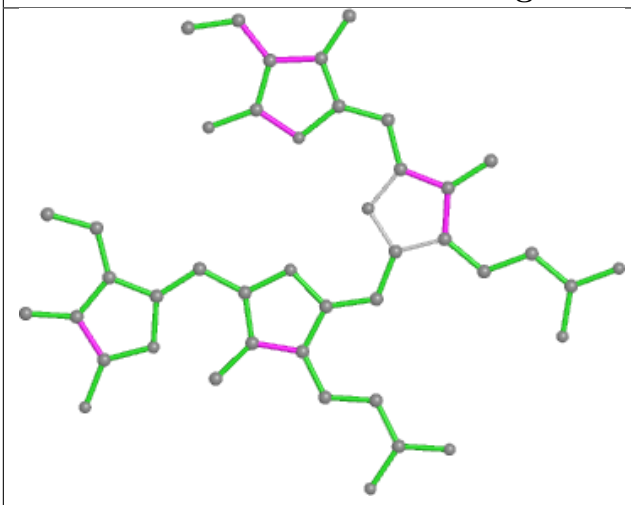

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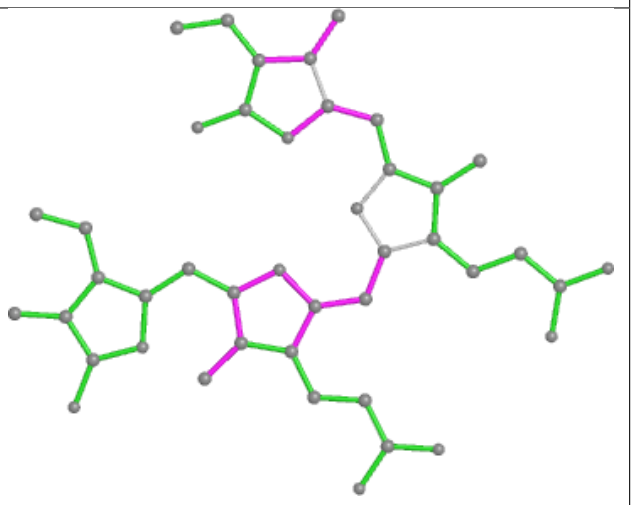

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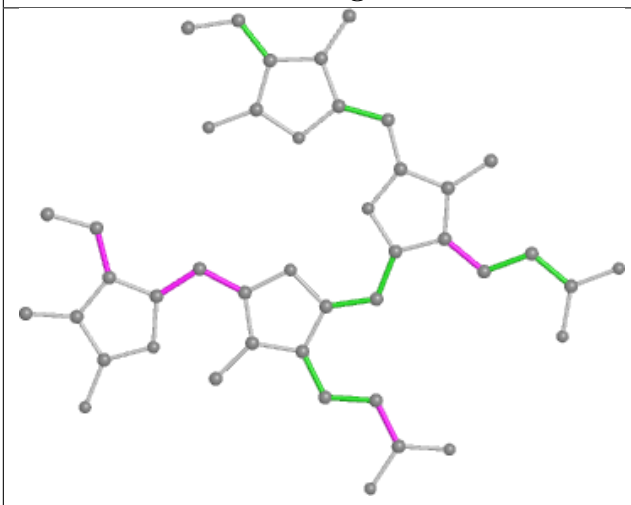

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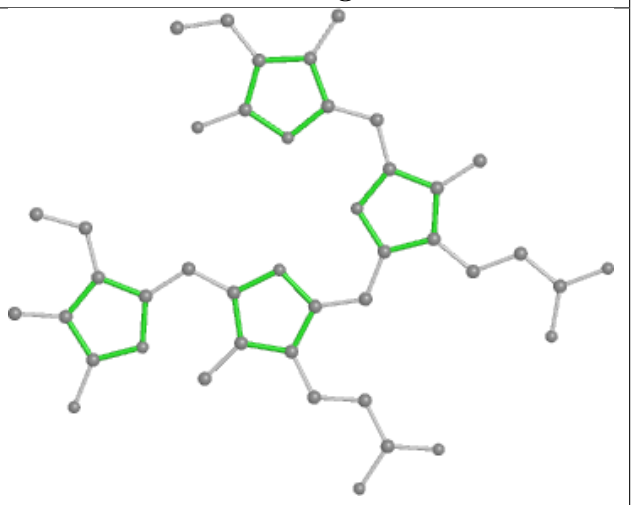
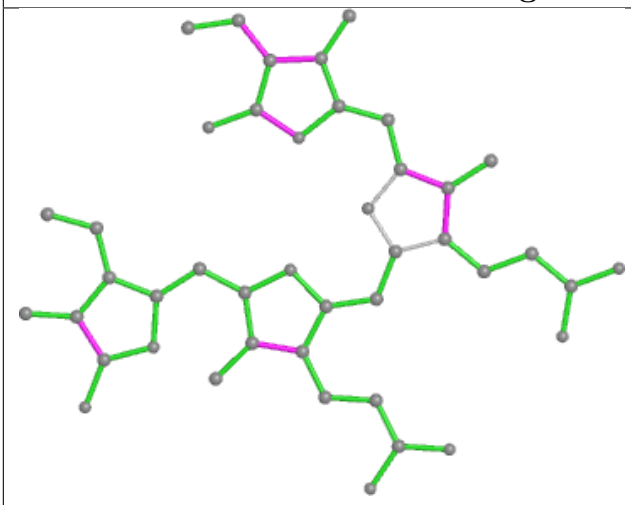


Rings

Ligand PEB gk 202



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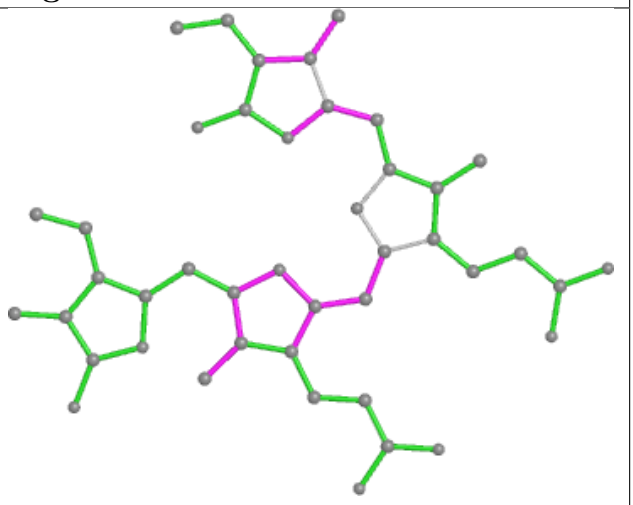

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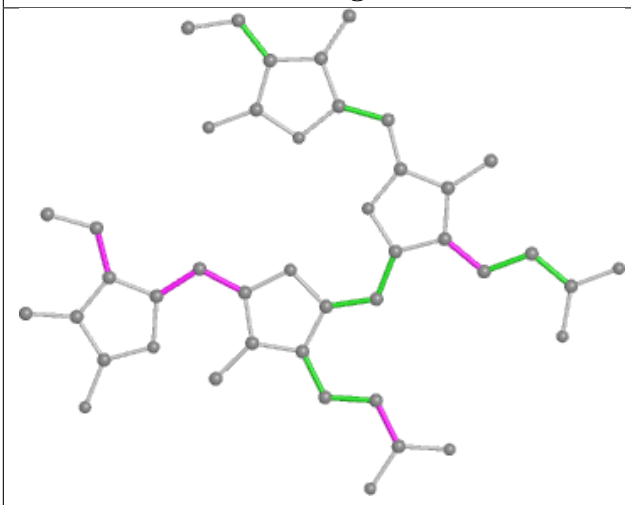
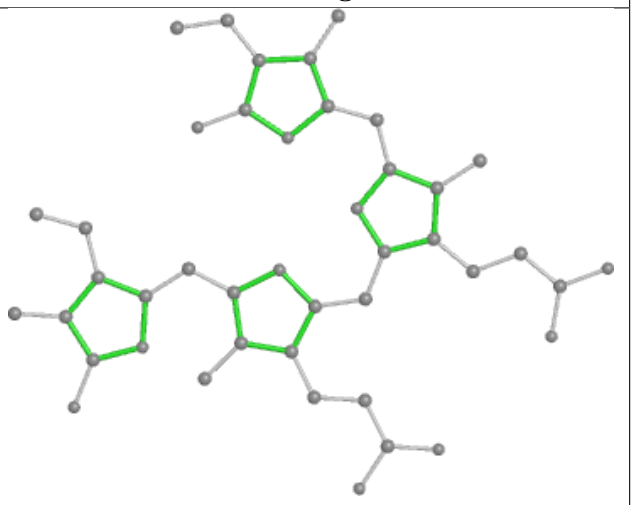
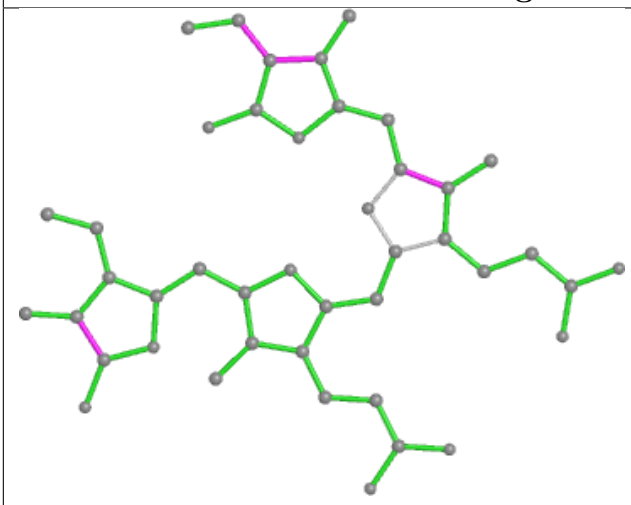


Torsions



Rings

Ligand PEB O5 202



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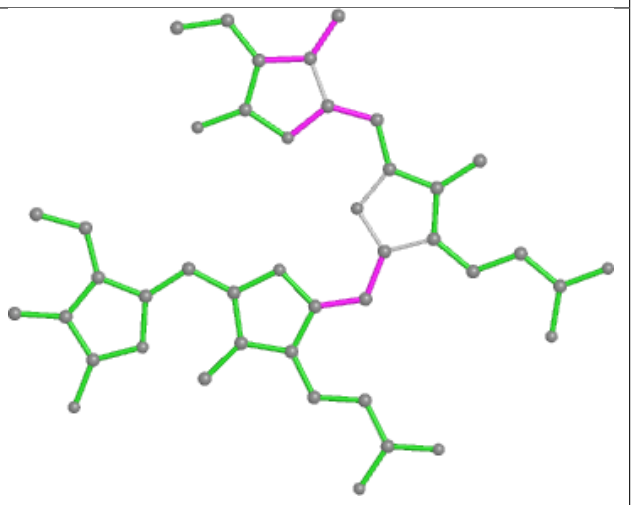

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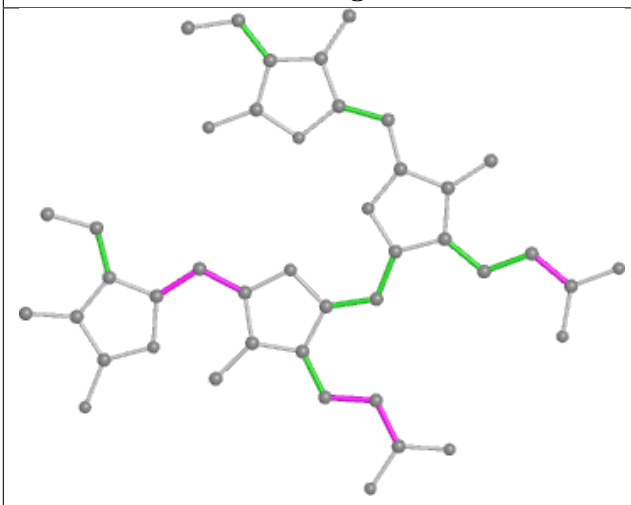

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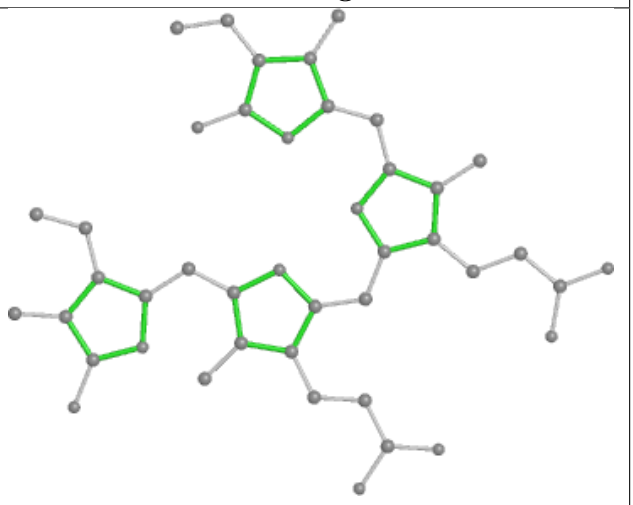
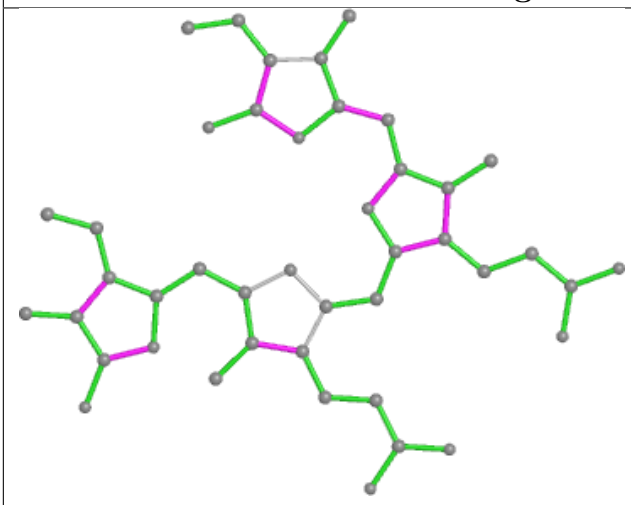


Rings

Ligand PUB T4 202



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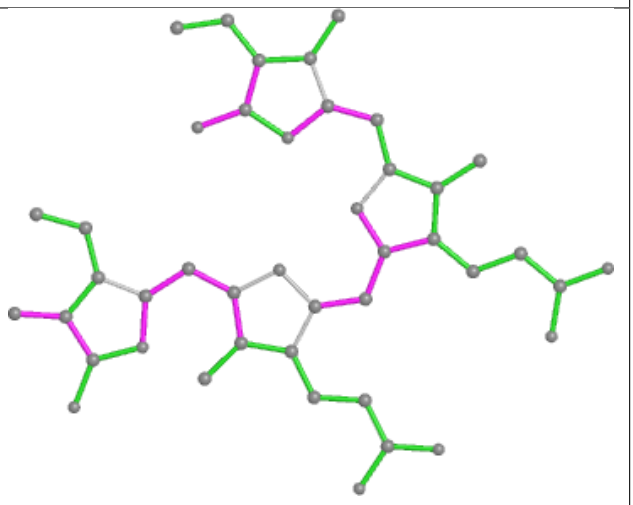

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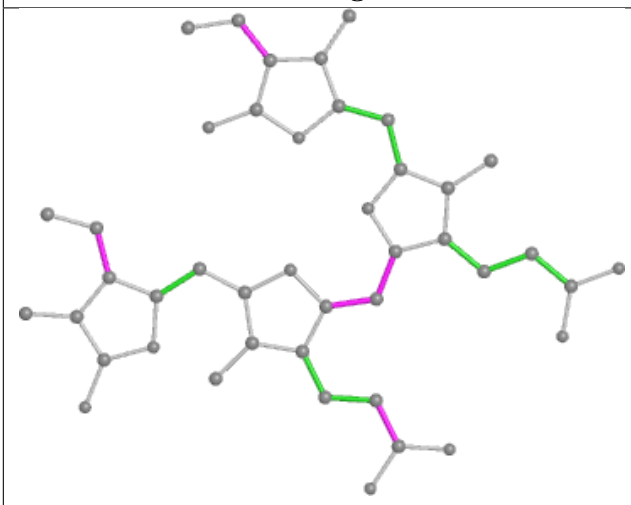

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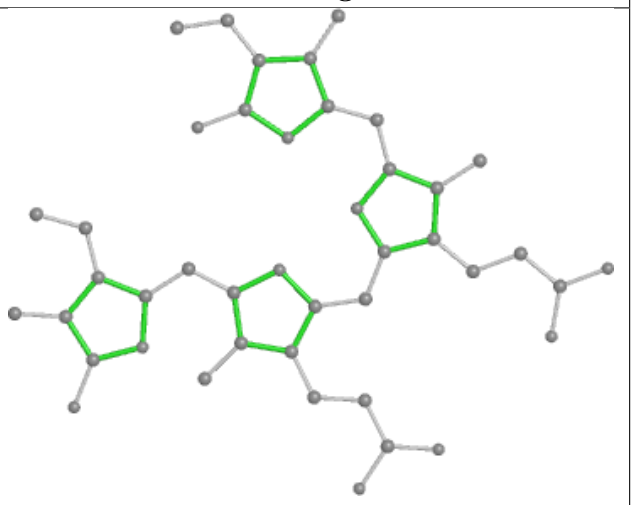
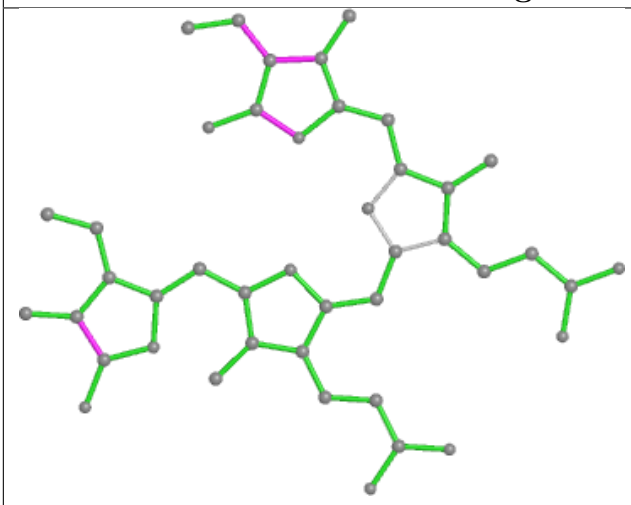


Rings

Ligand PEB G6 201



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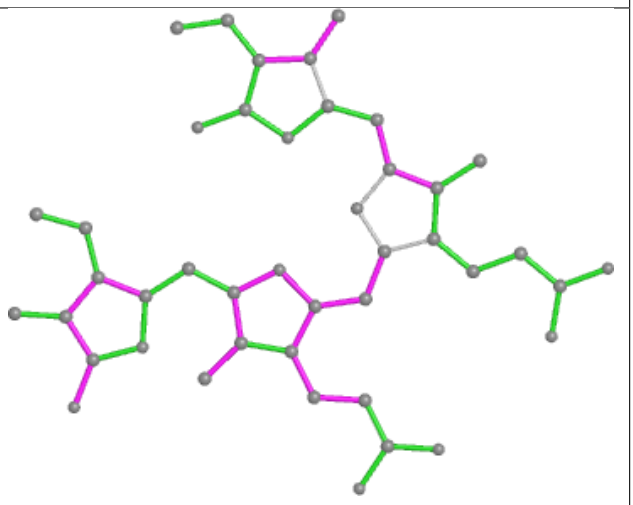

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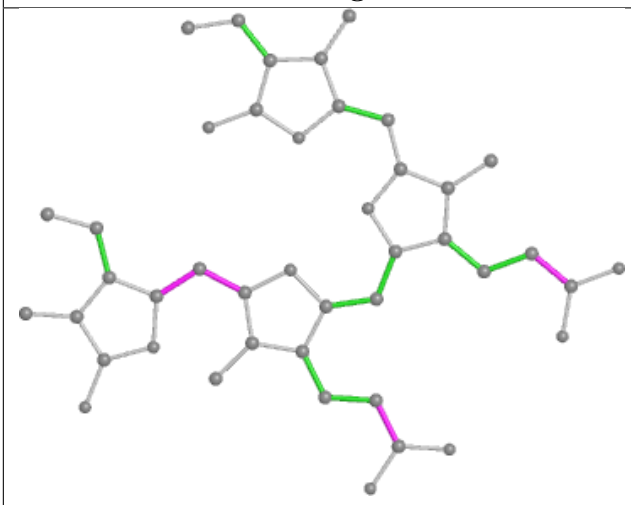

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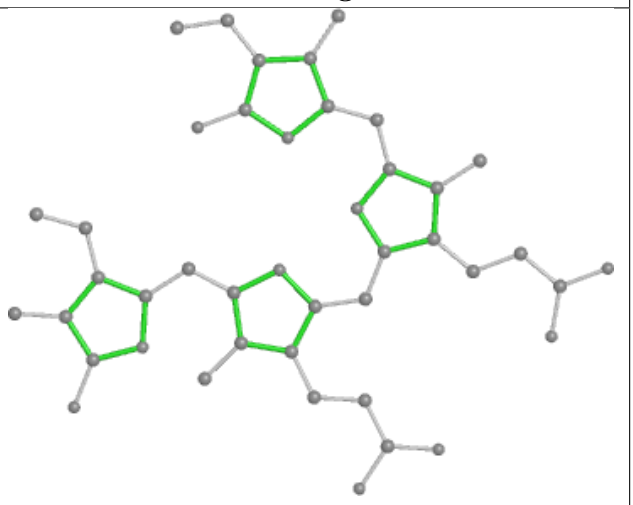
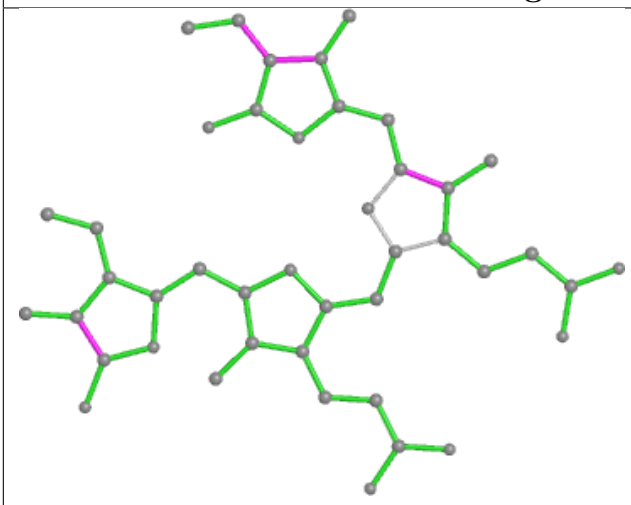


Rings

Ligand PEB lc 202



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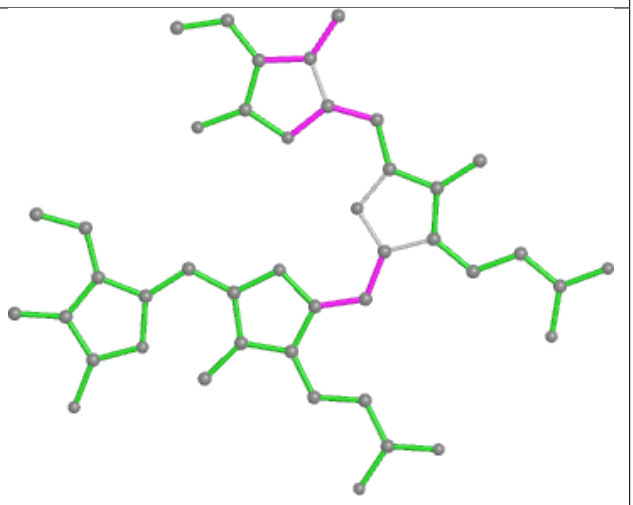

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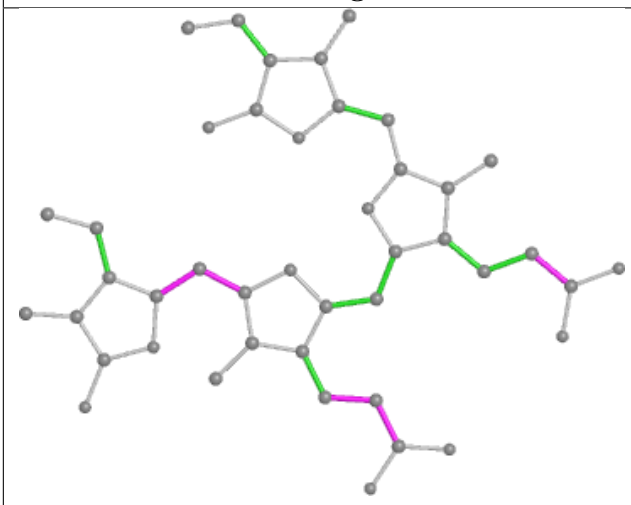

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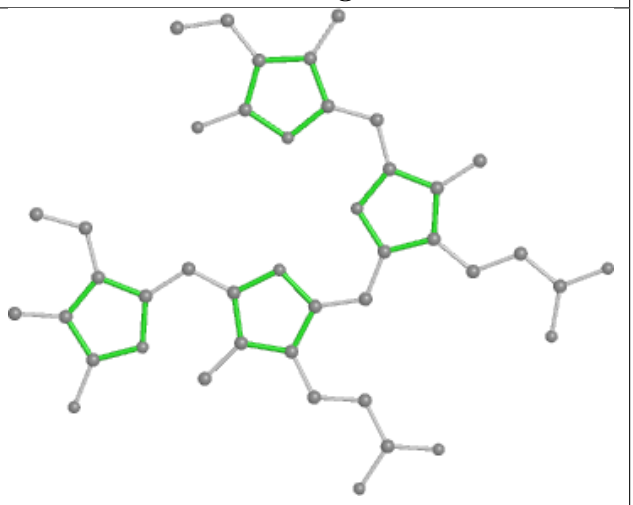
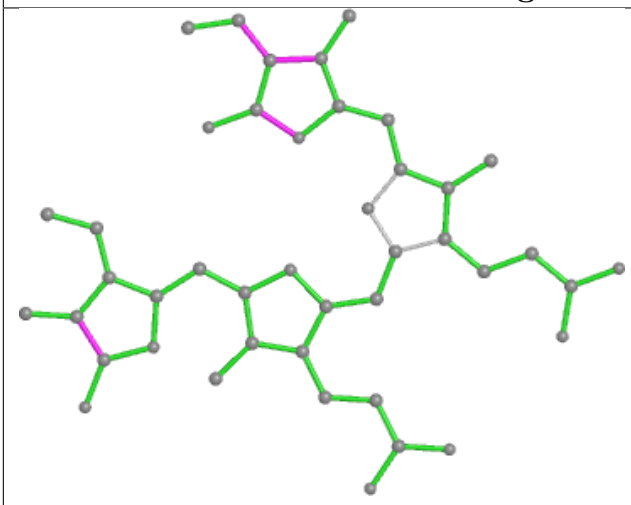


Rings

Ligand PEB F5 201



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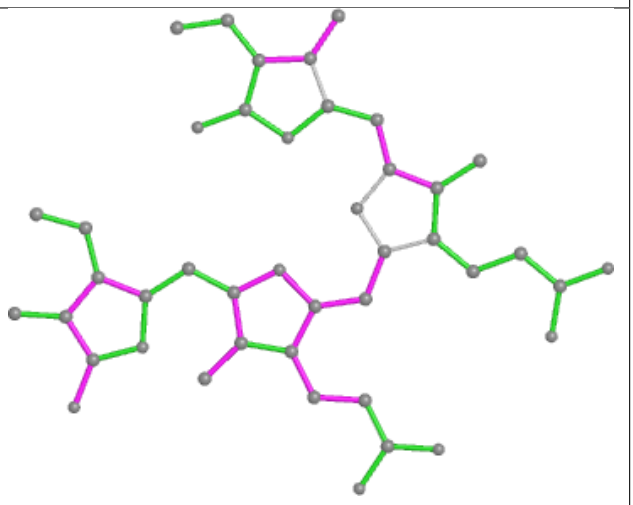

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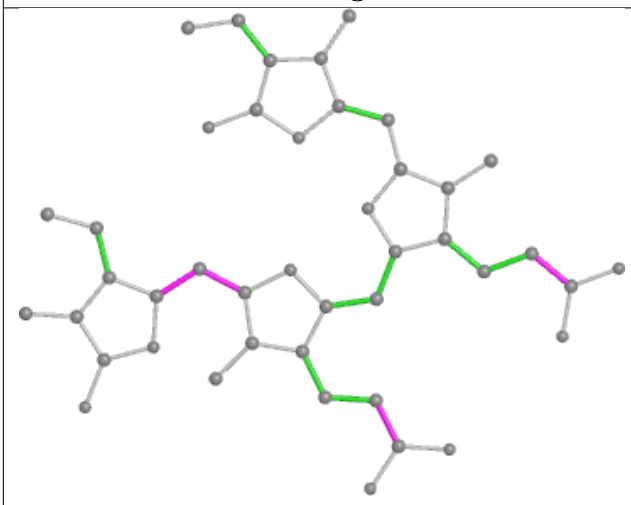

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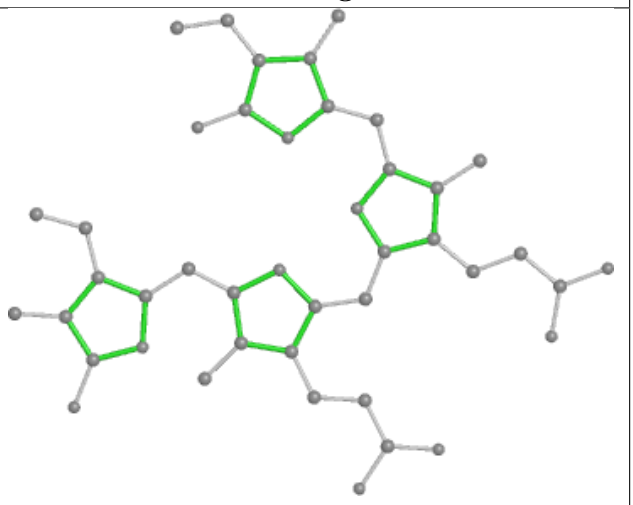
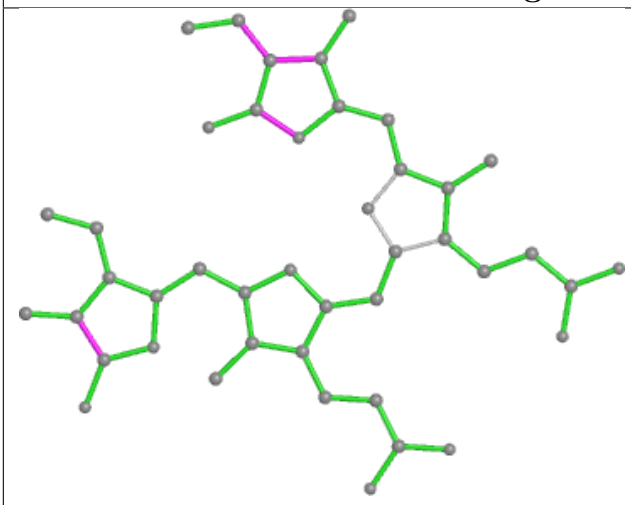


Rings

Ligand PEB al 201



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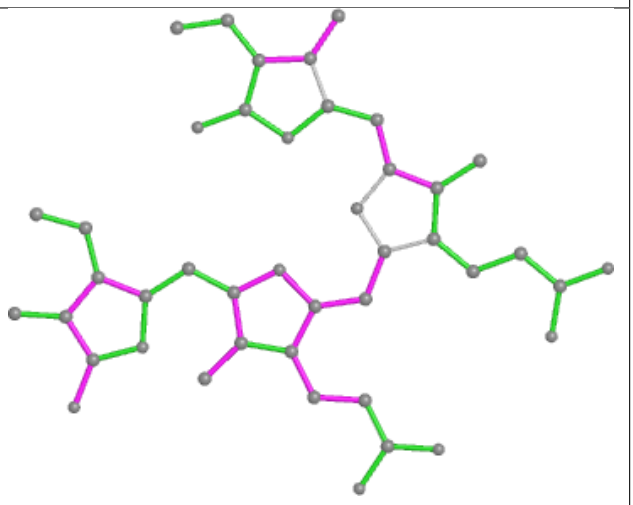

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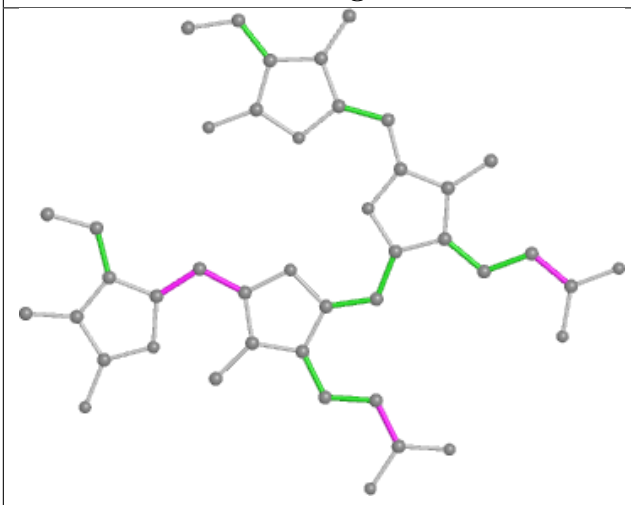

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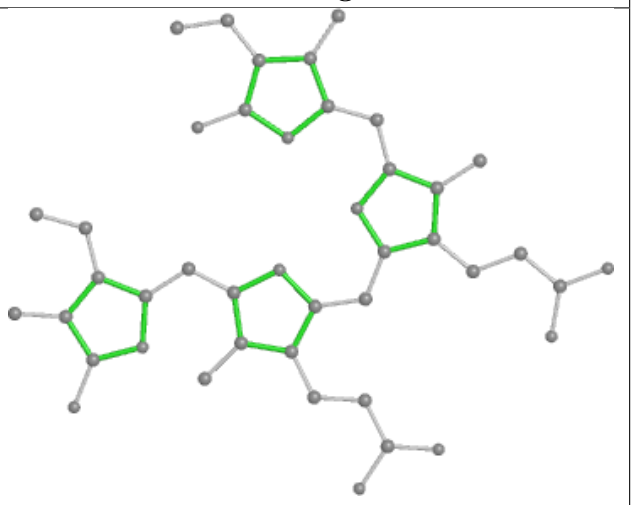
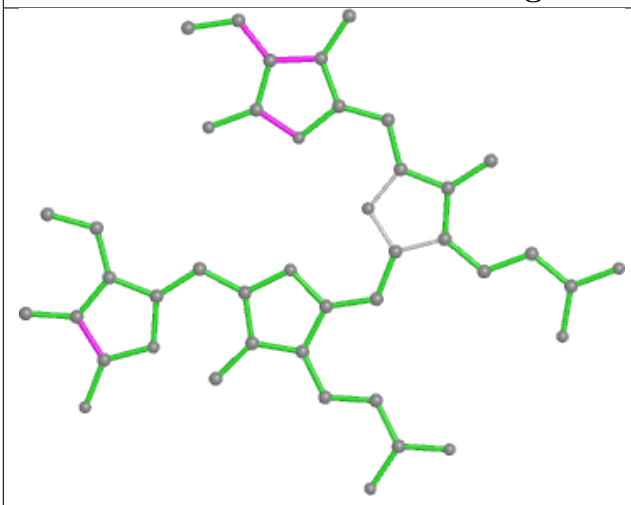


Rings

Ligand PEB lc 201



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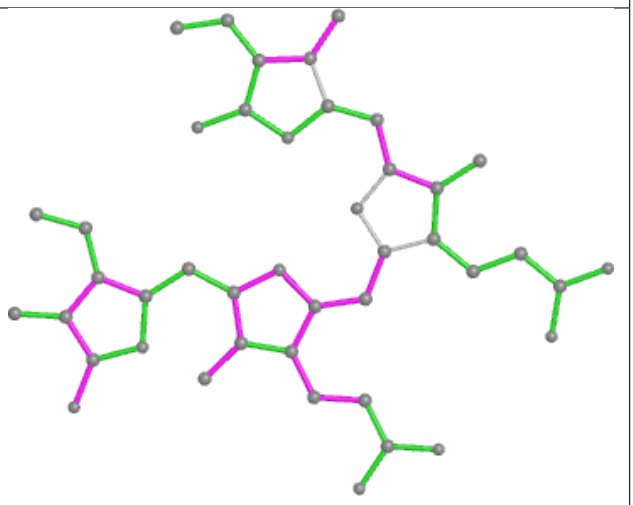

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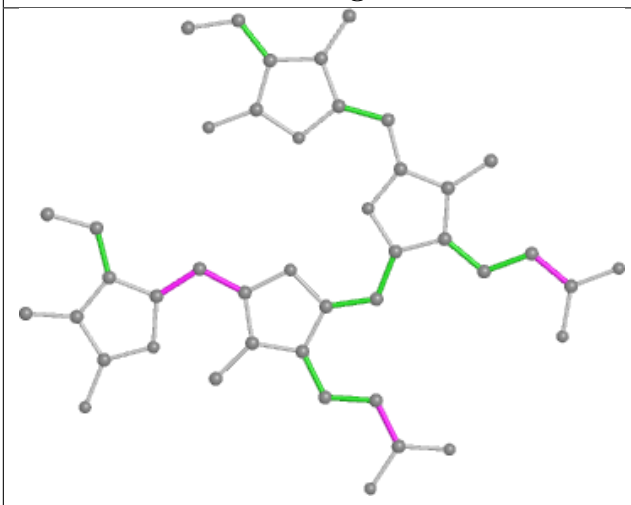

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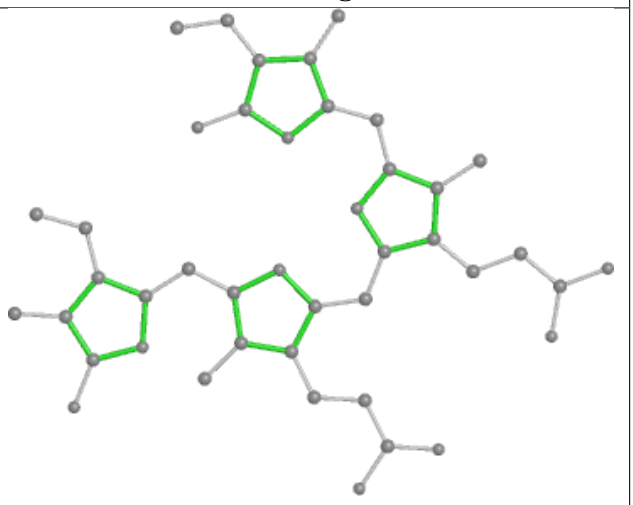

Rings

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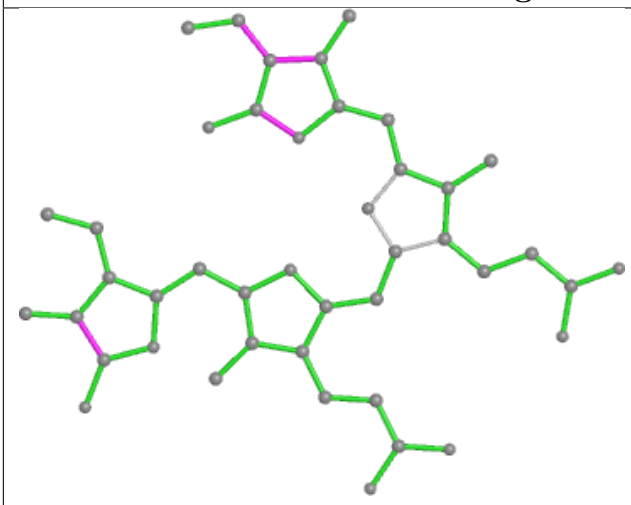

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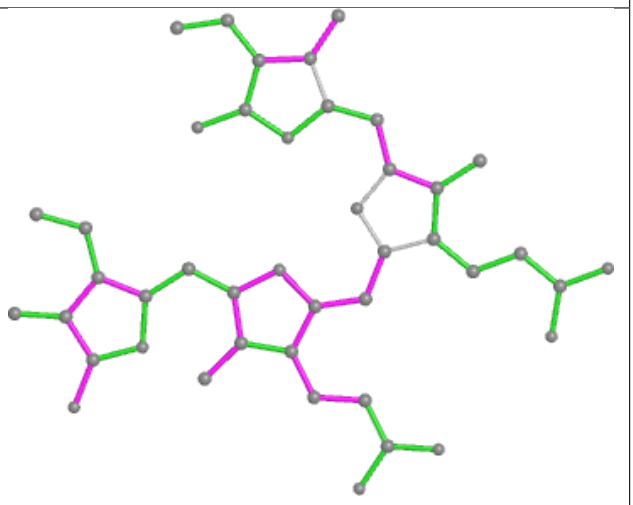

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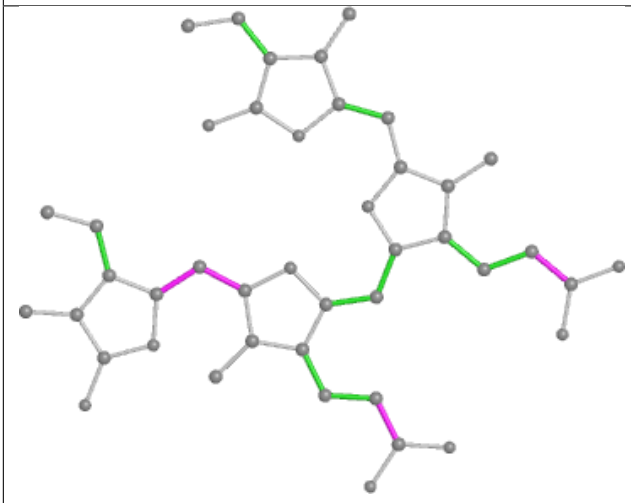

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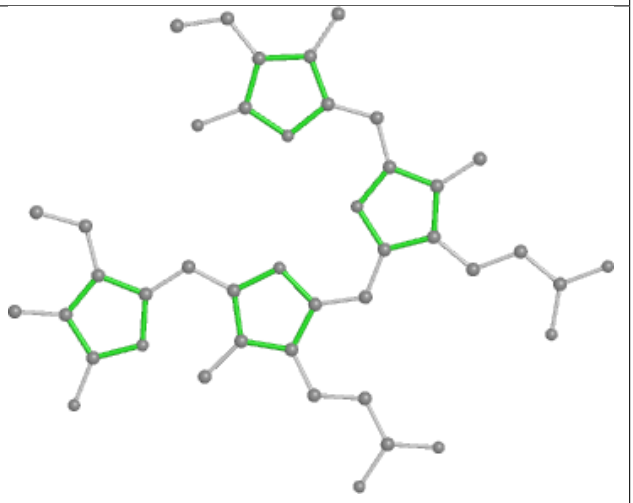
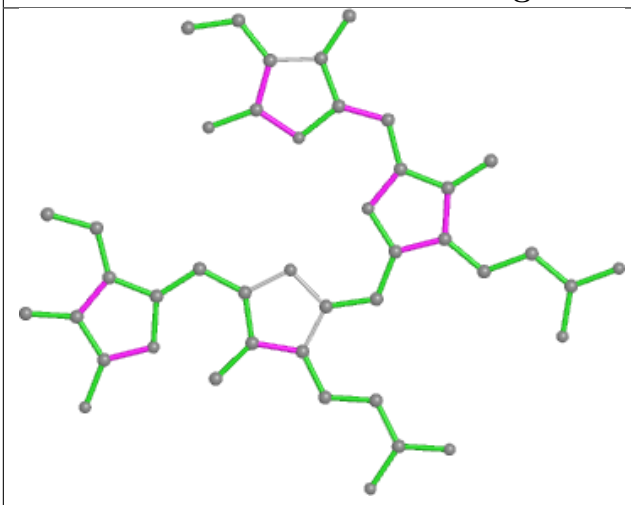


Rings

Ligand PUB R6 203



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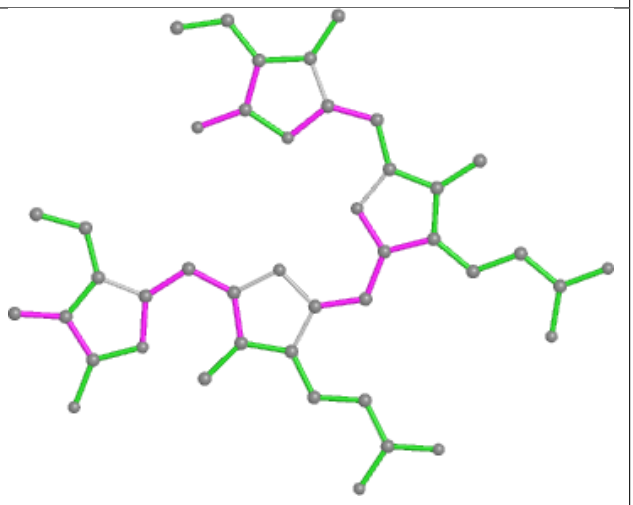

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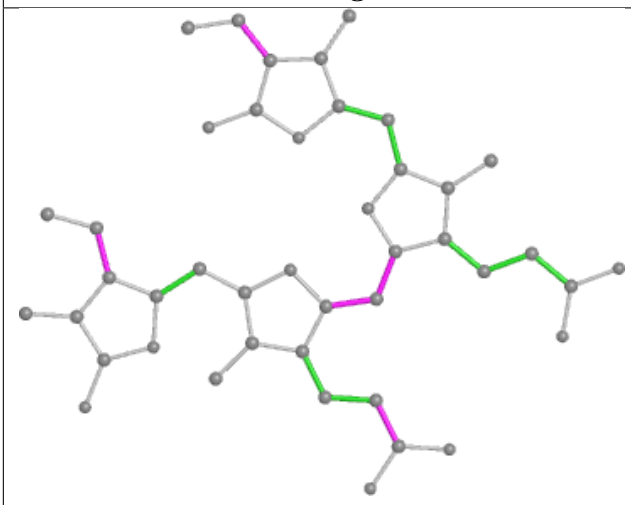

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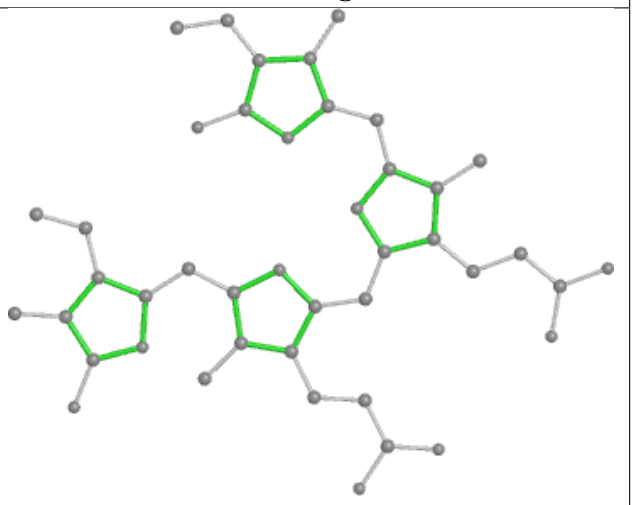

Rings

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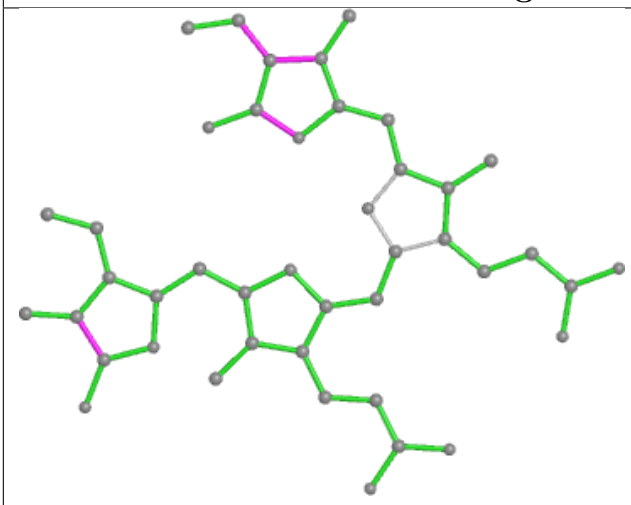

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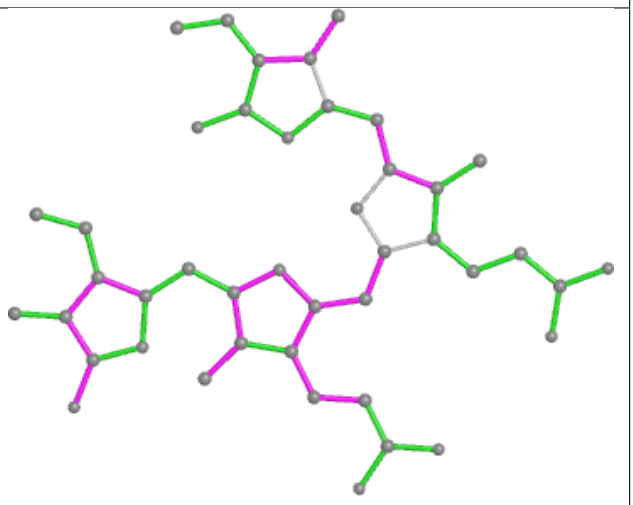

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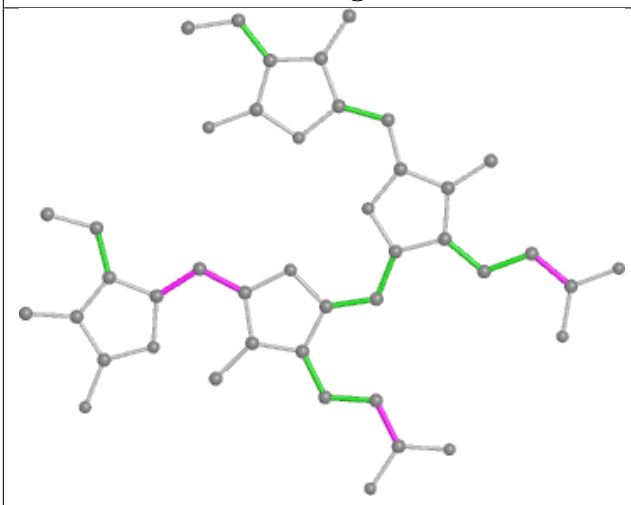

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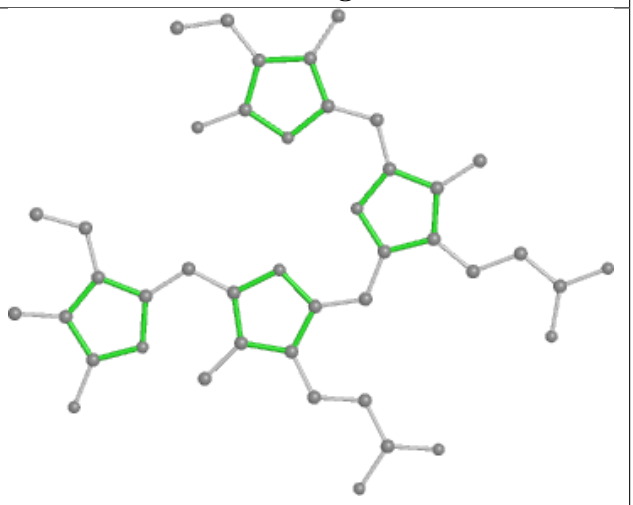
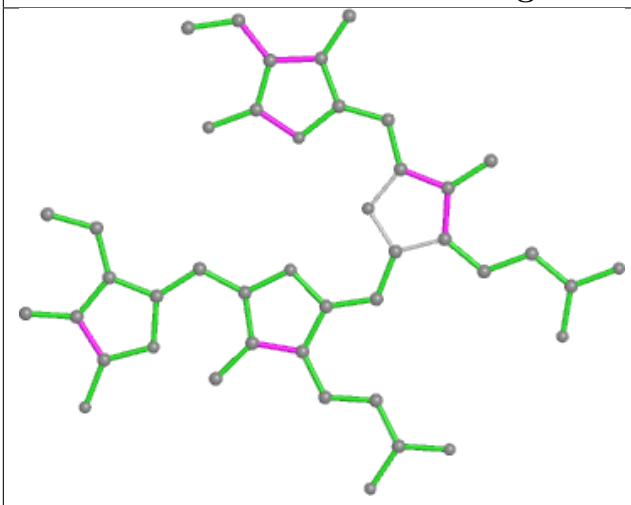


Rings

Ligand PEB hL 202



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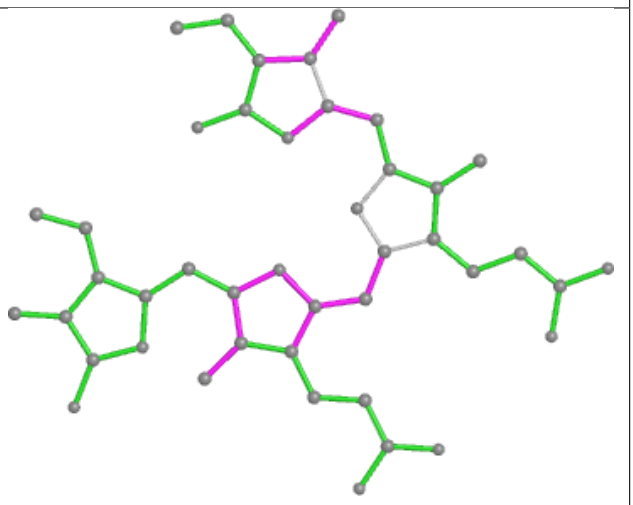

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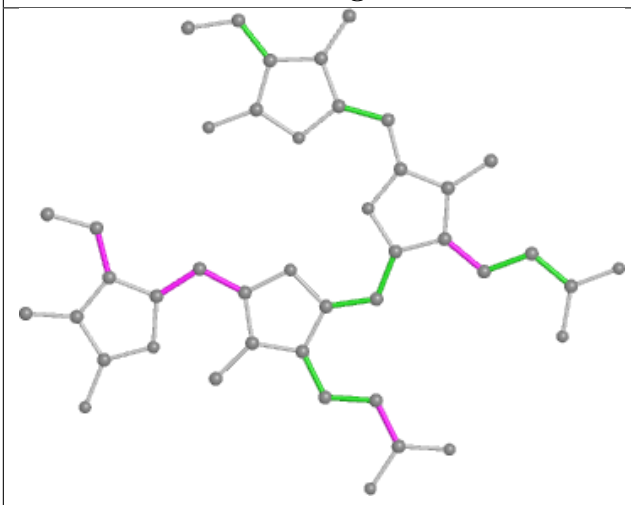

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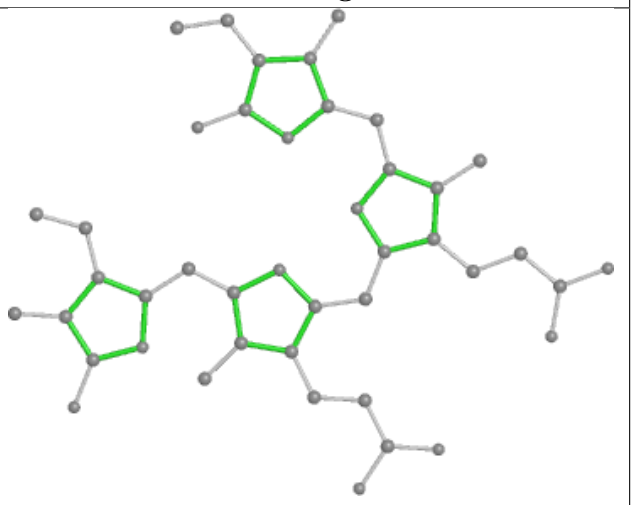
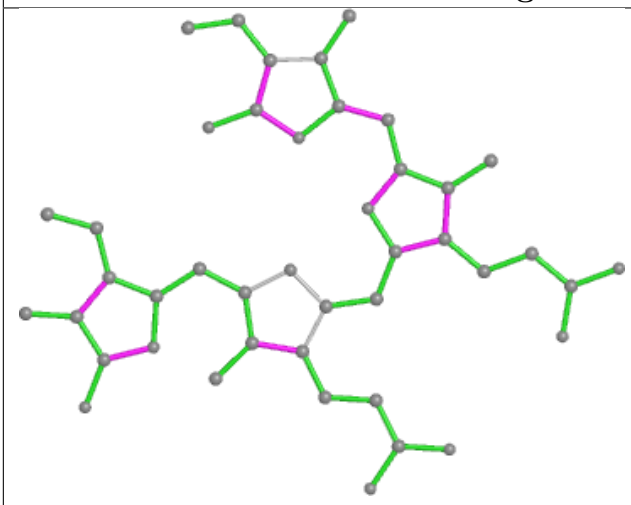


Rings

Ligand PUB n5 203



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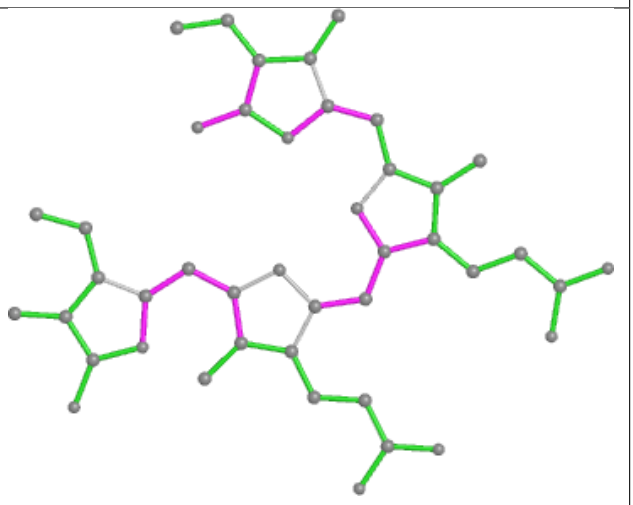

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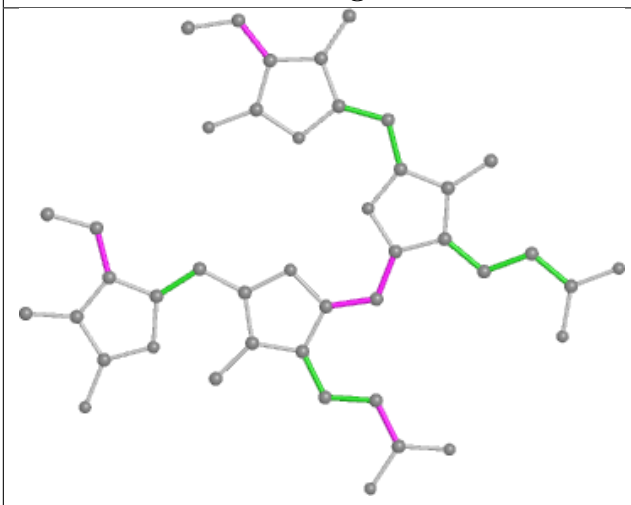

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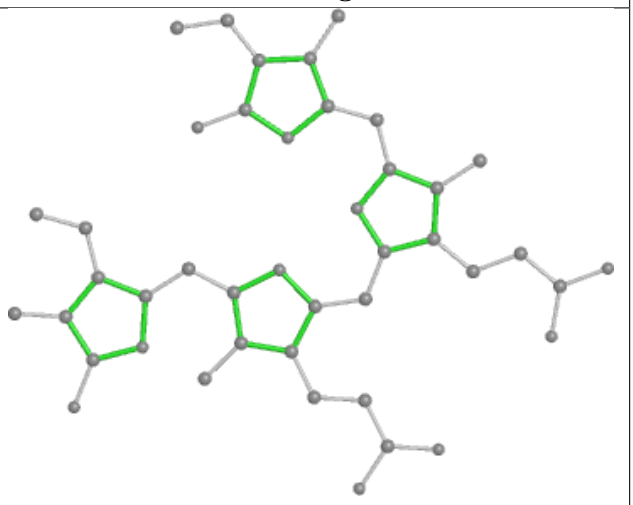
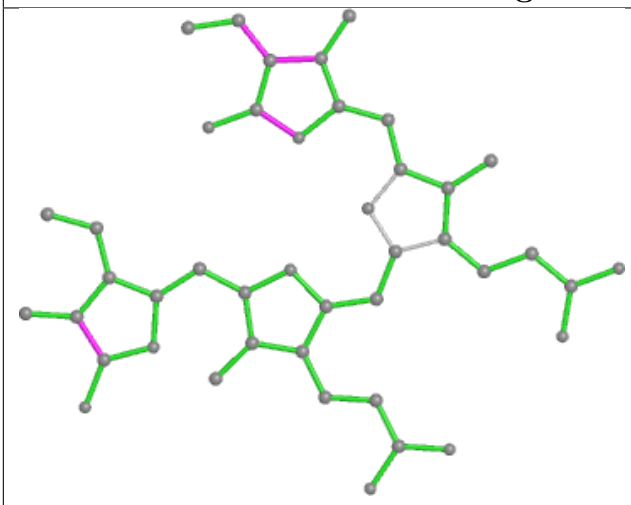


Rings

Ligand PEB w9 202



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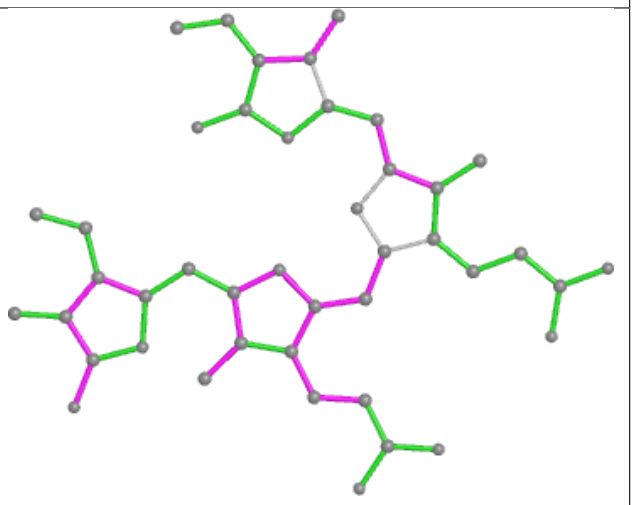
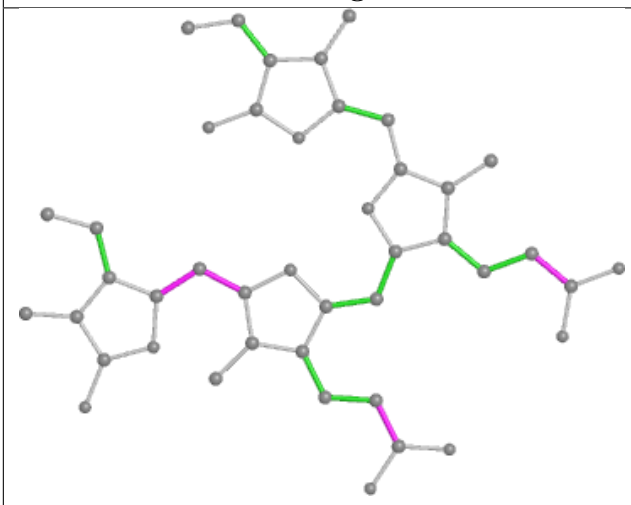


Bond angles



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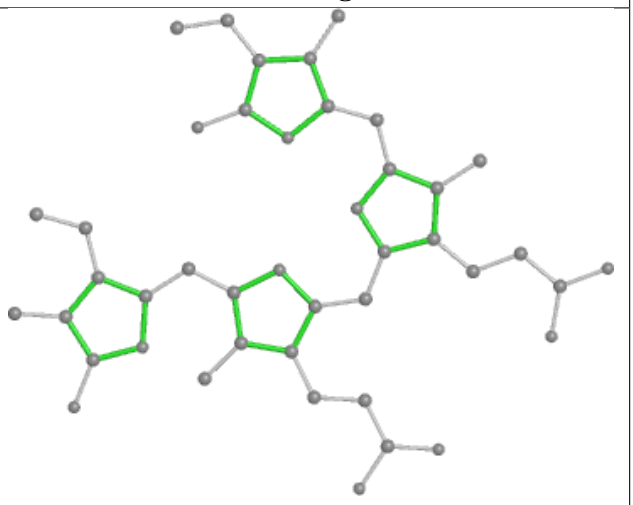
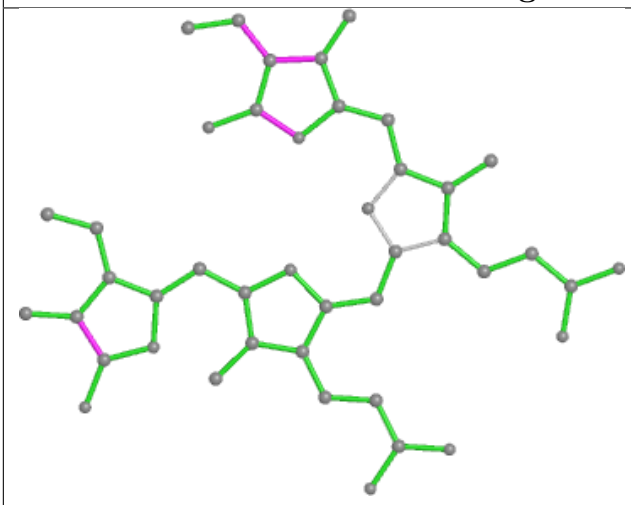


Rings

Ligand PEB h4 202



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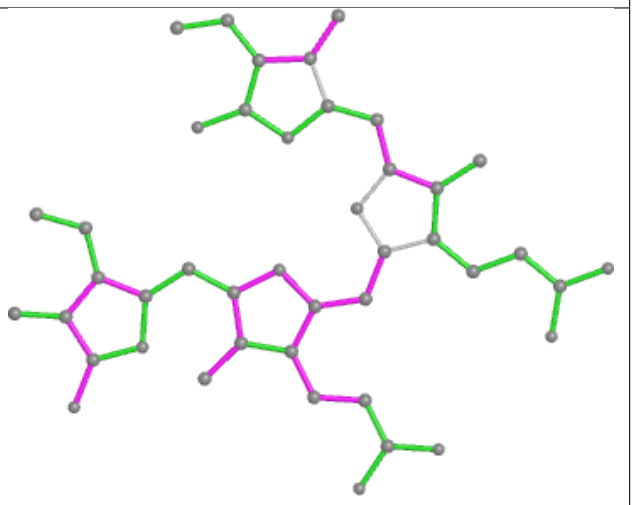

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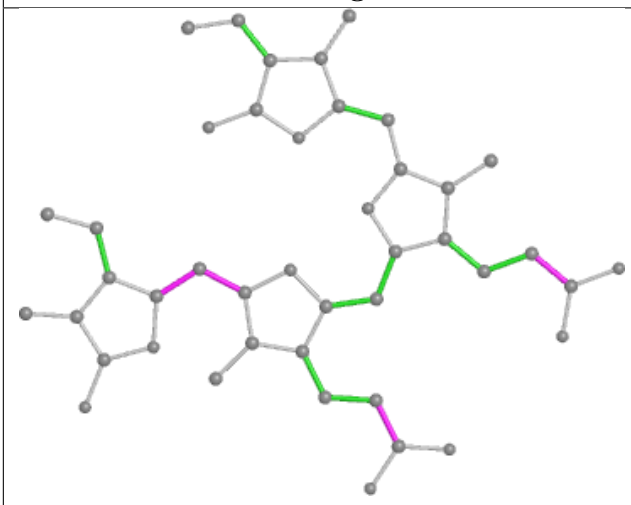
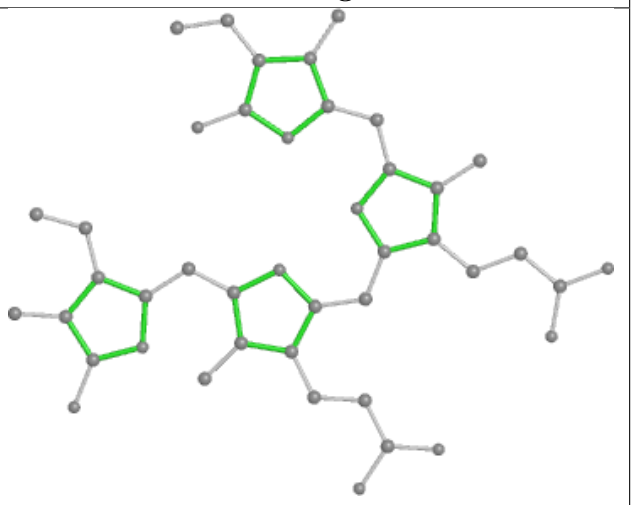
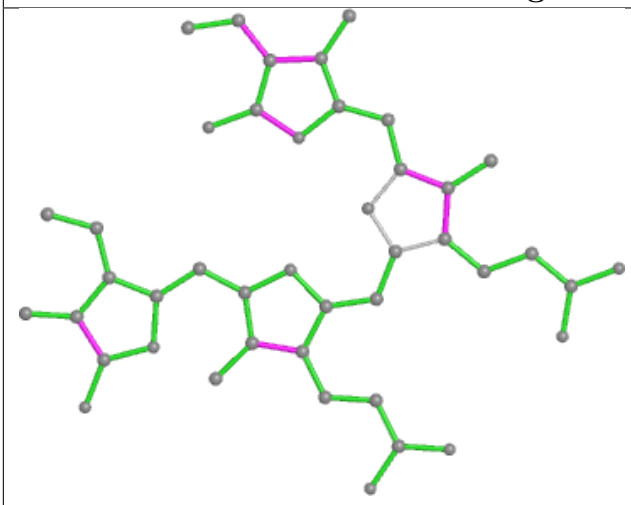


Torsions



Rings

Ligand PEB lf 202



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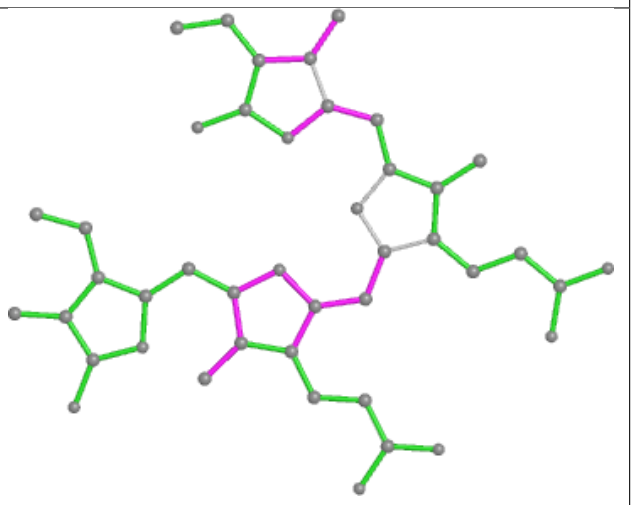

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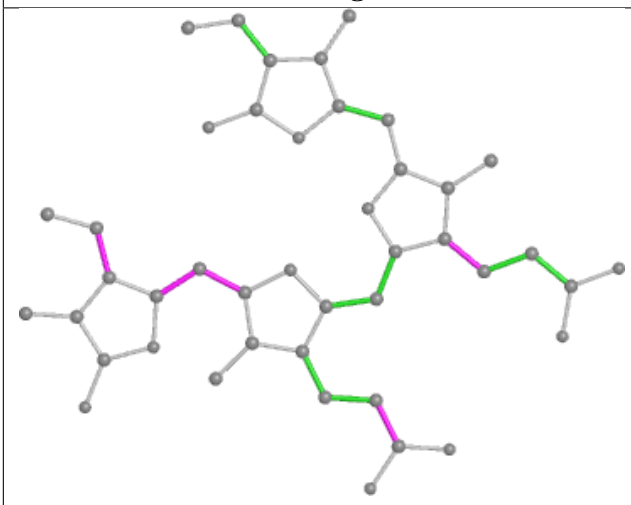

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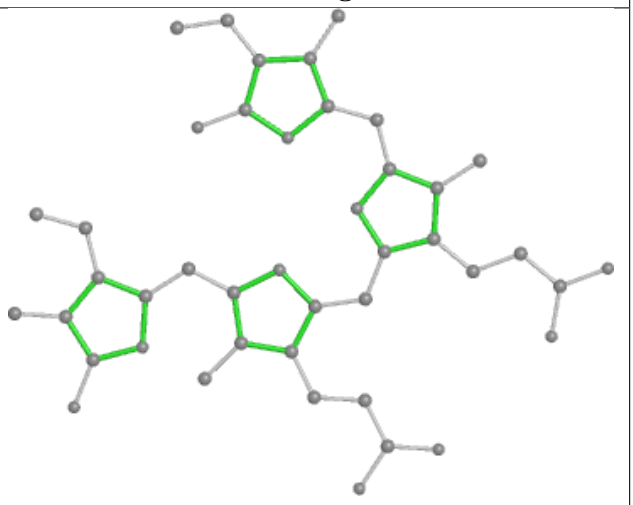
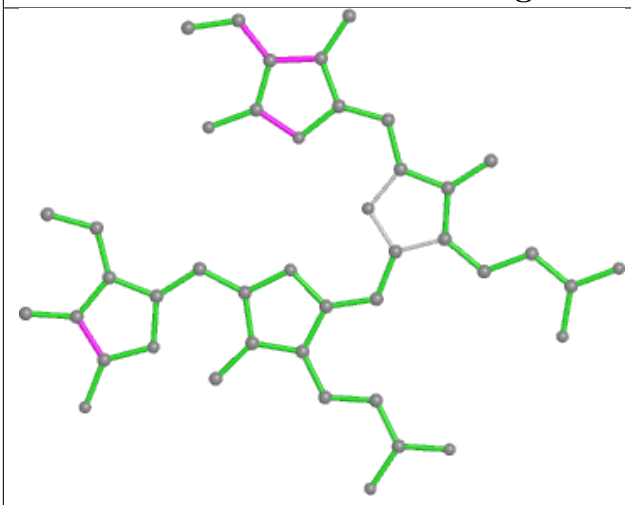


Rings

Ligand PEB D5 201



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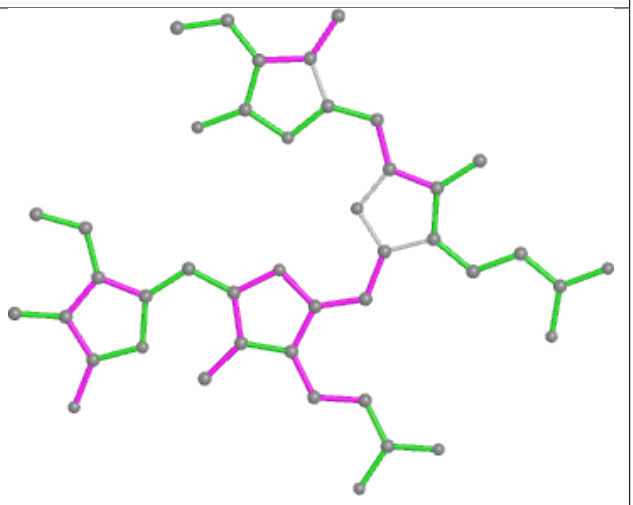

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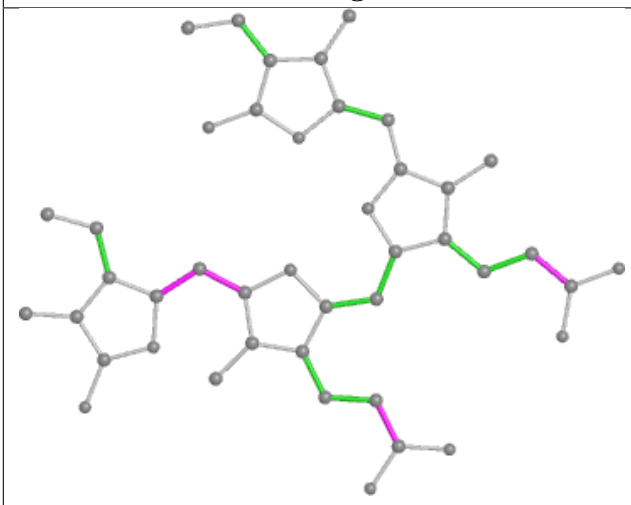

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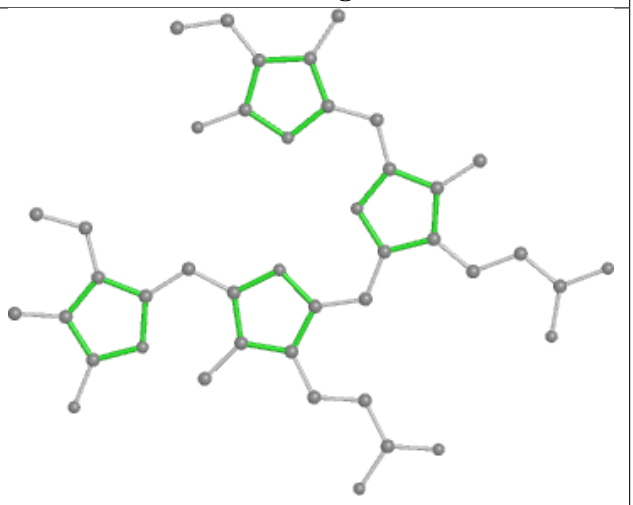
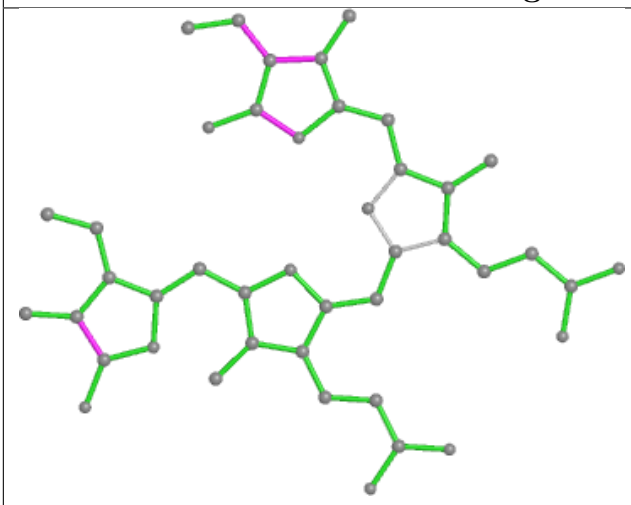


Rings

Ligand PEB j4 201



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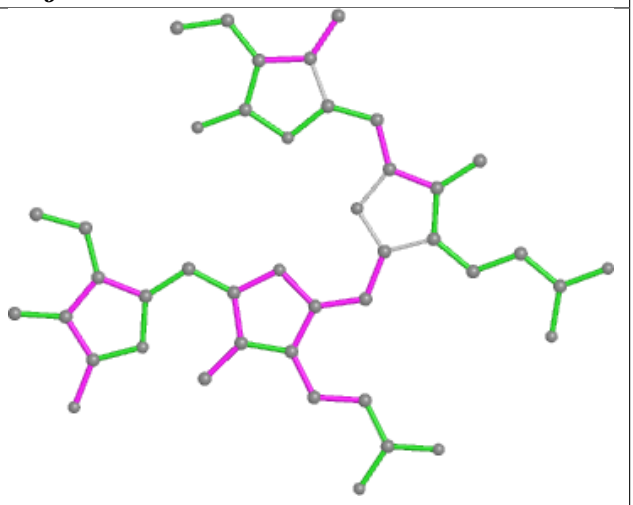

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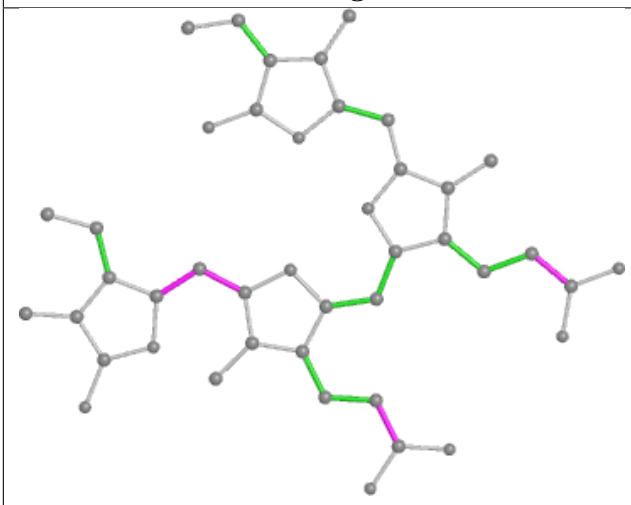

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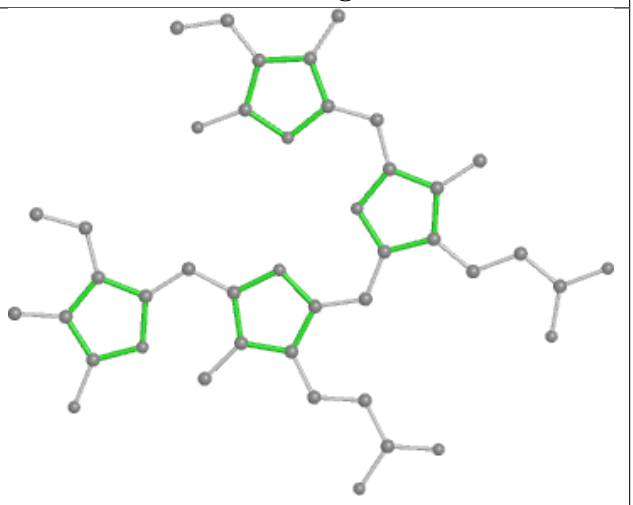

Rings

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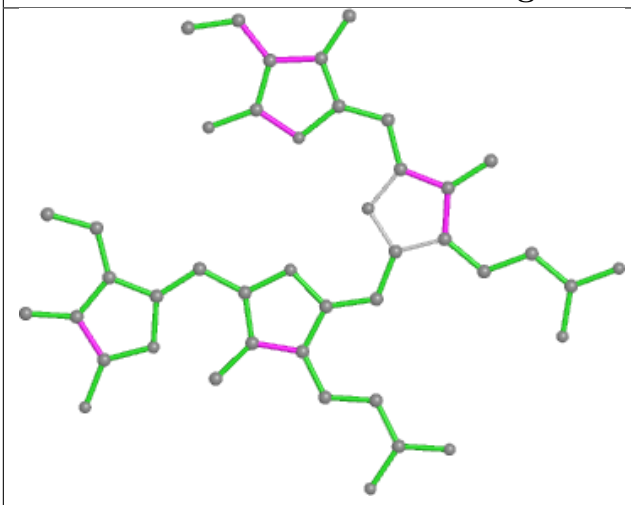

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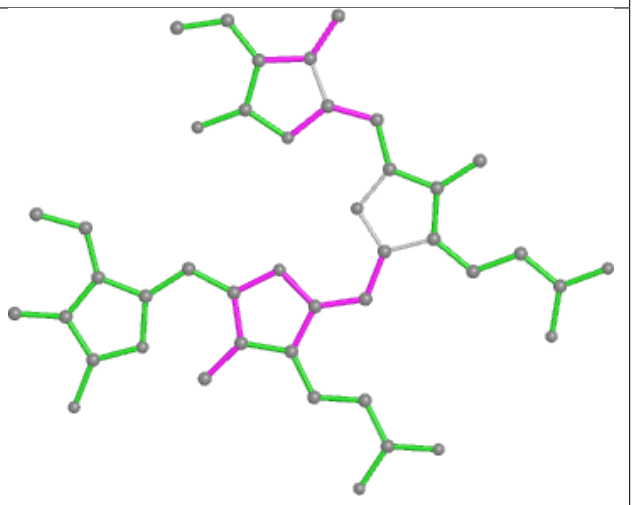

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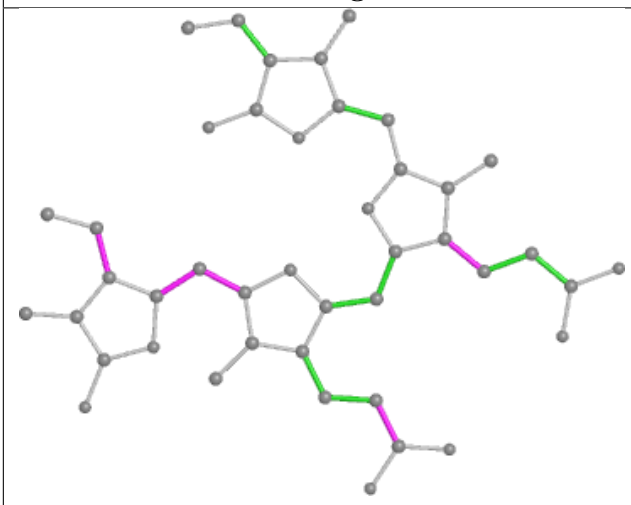

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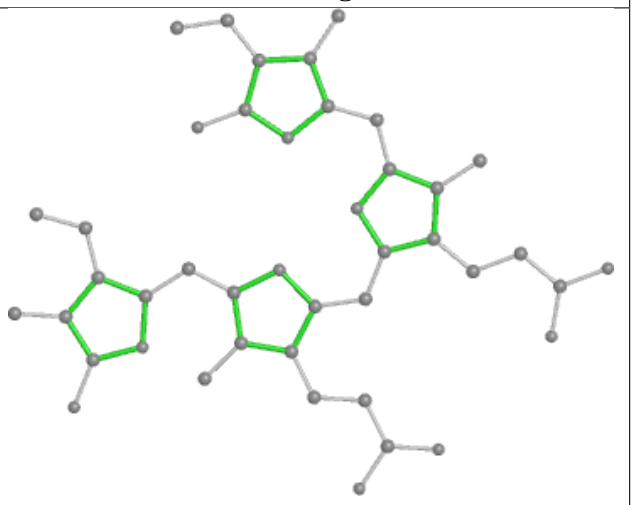

Rings

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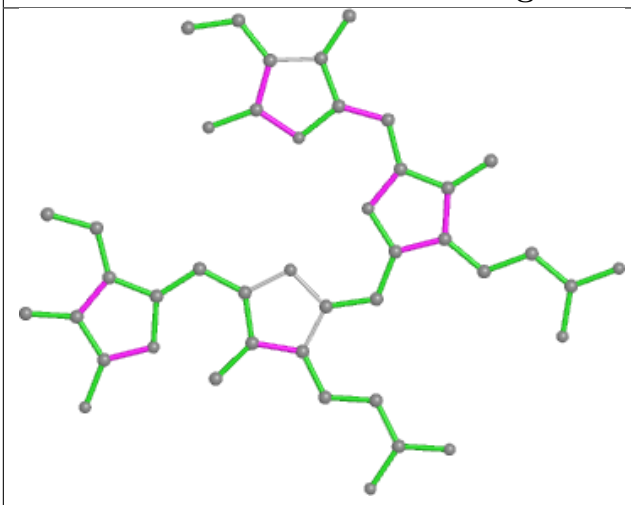

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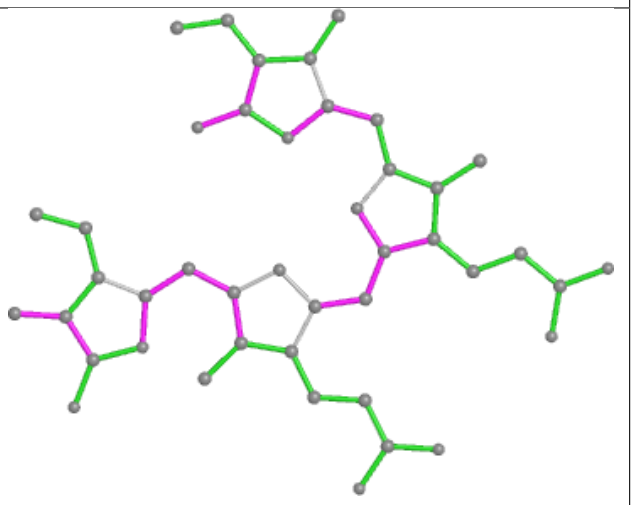

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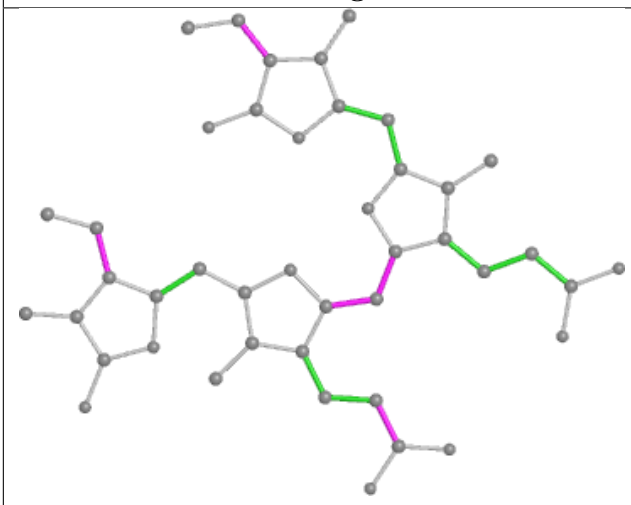

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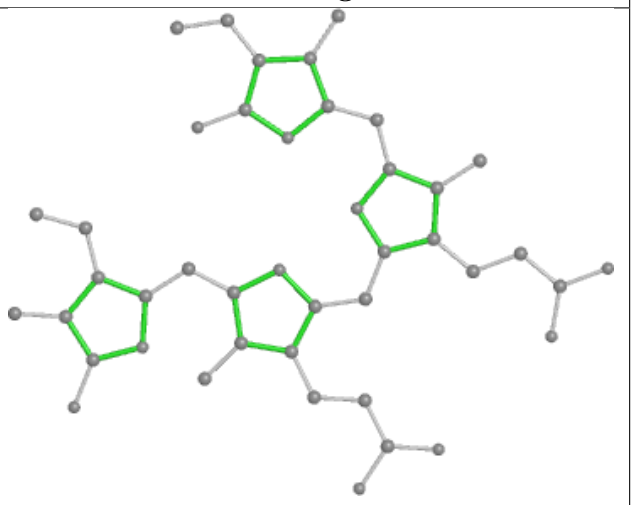

Rings

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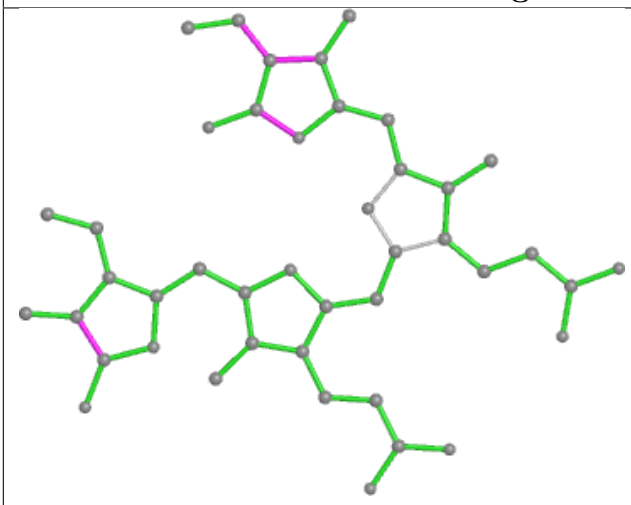

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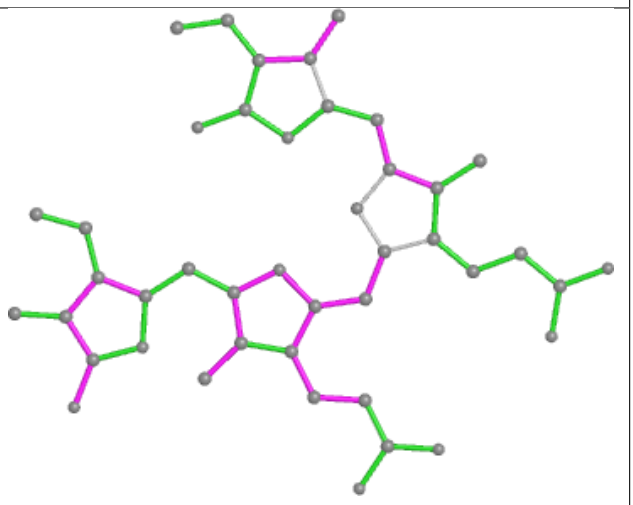

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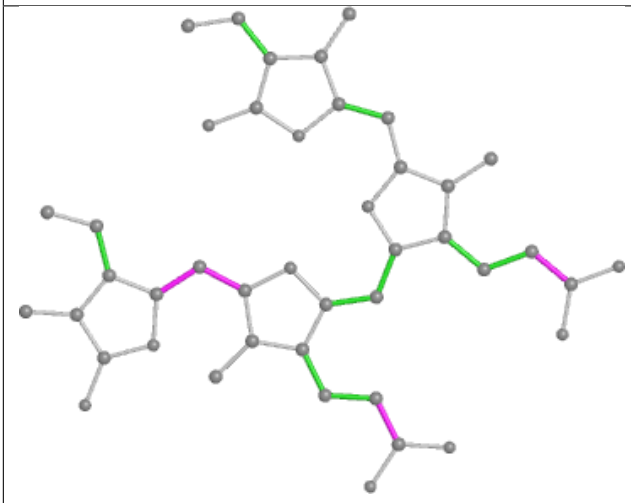

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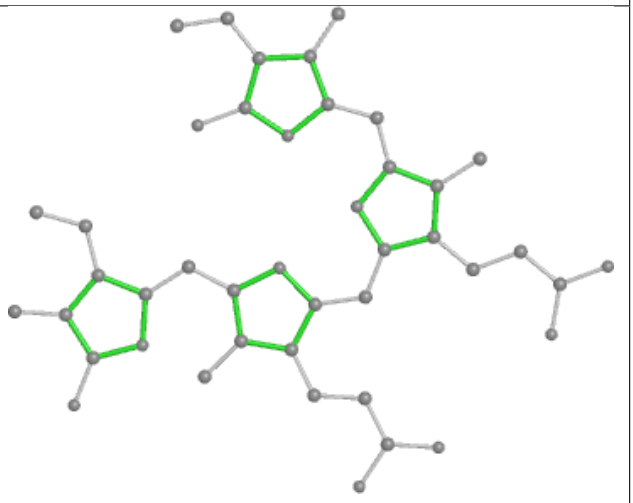
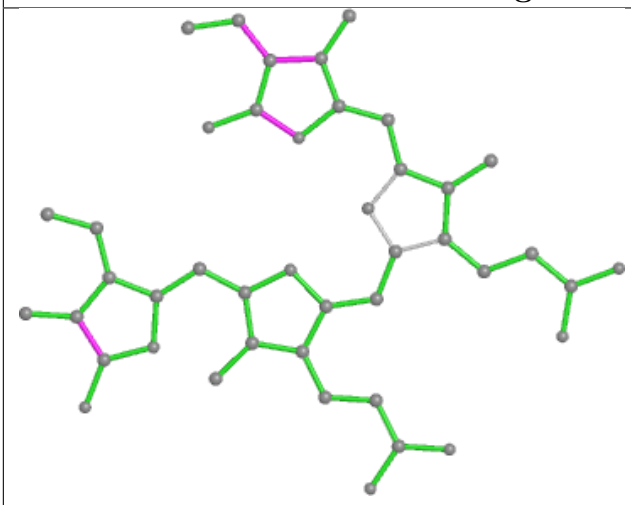


Rings

Ligand PEB G8 202



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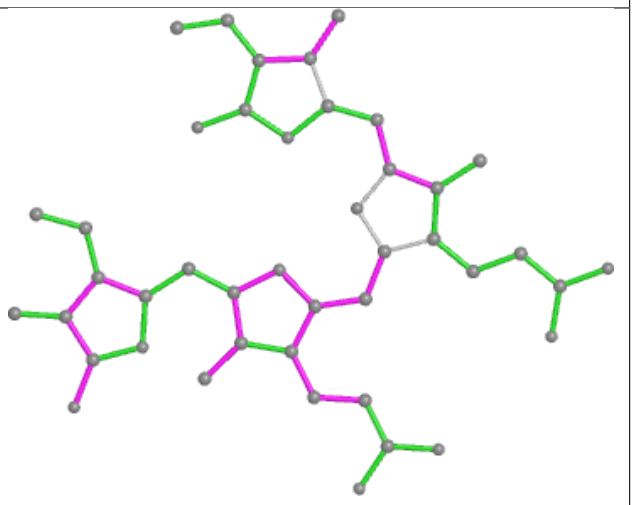

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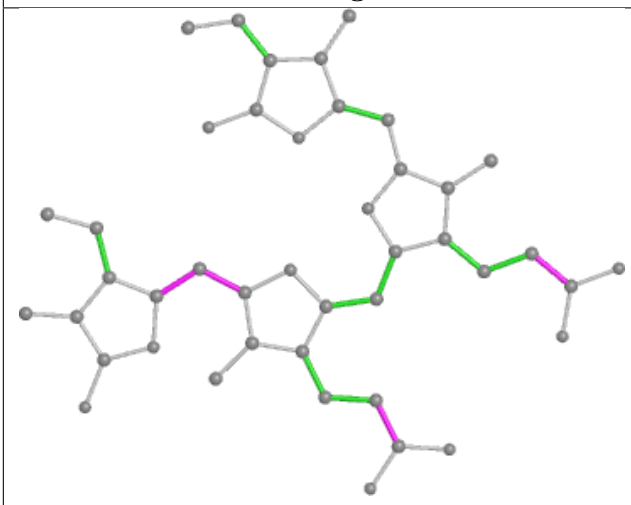

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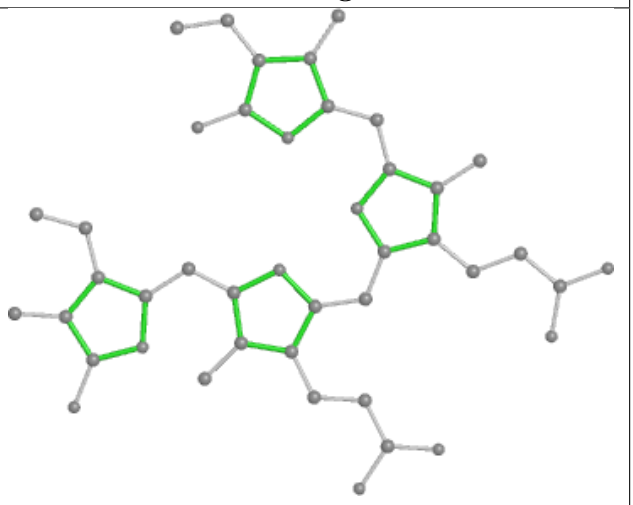

Rings

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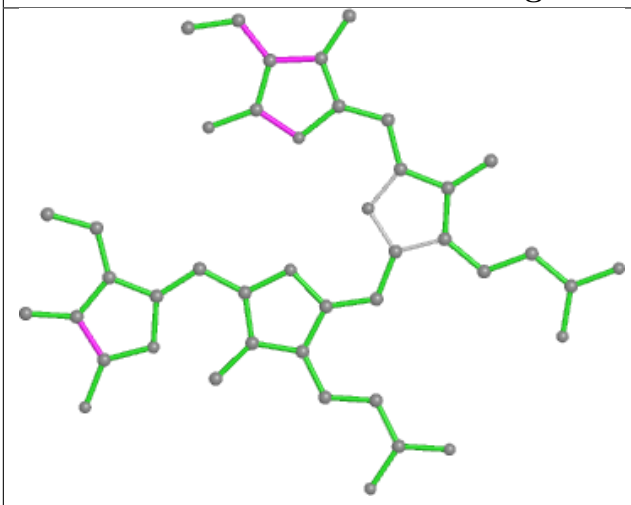

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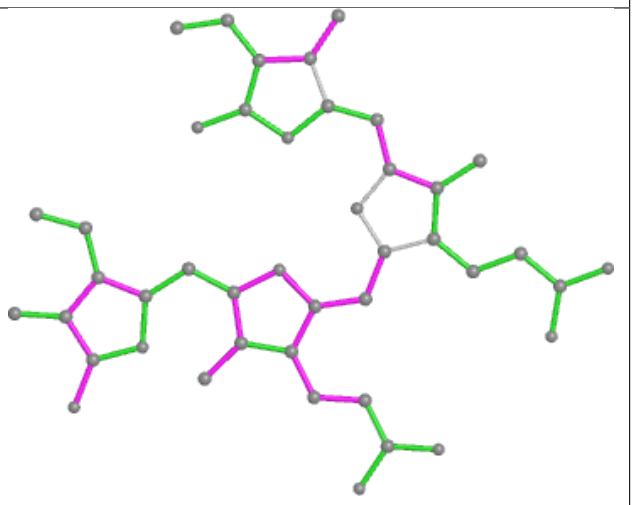

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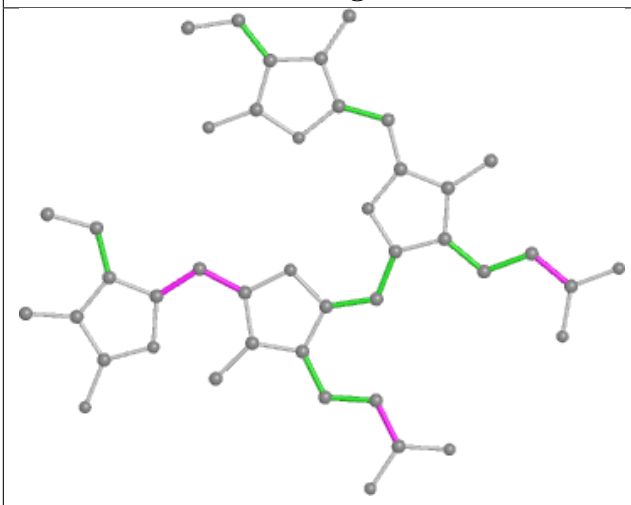

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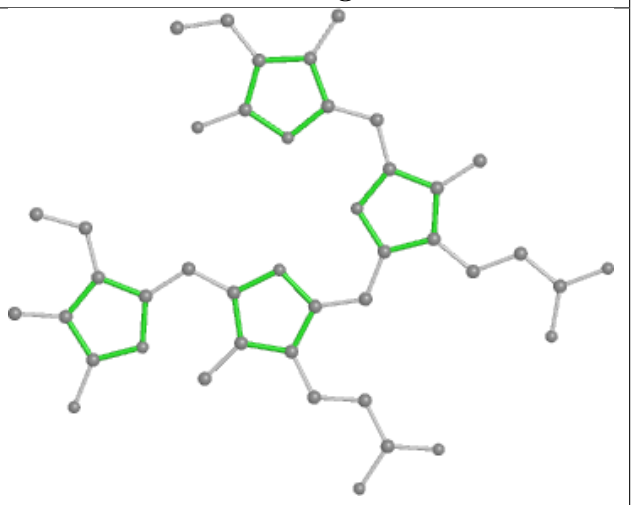

Rings

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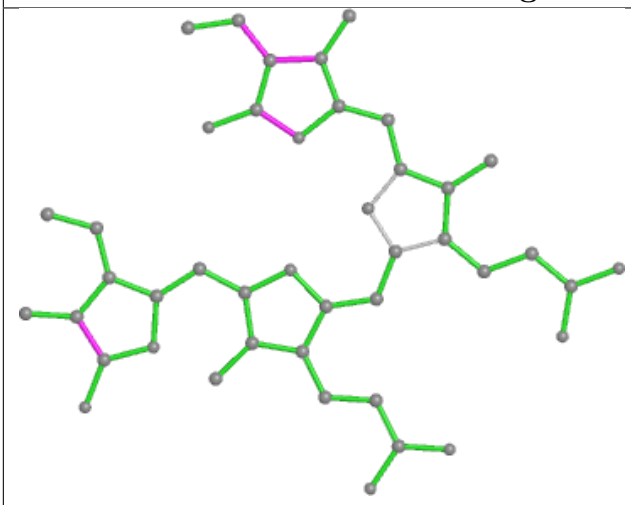

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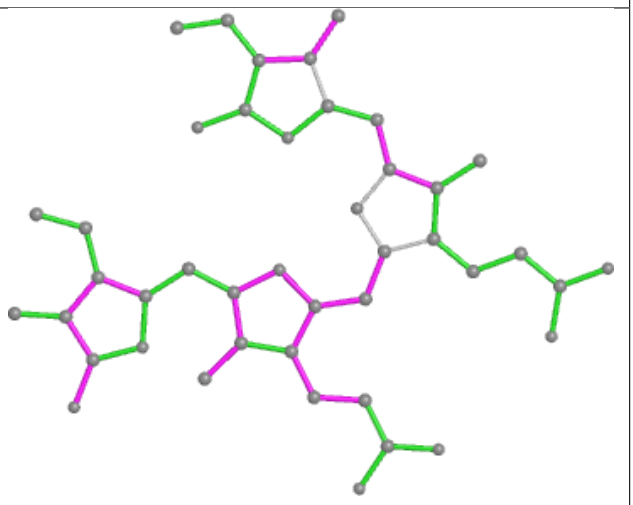

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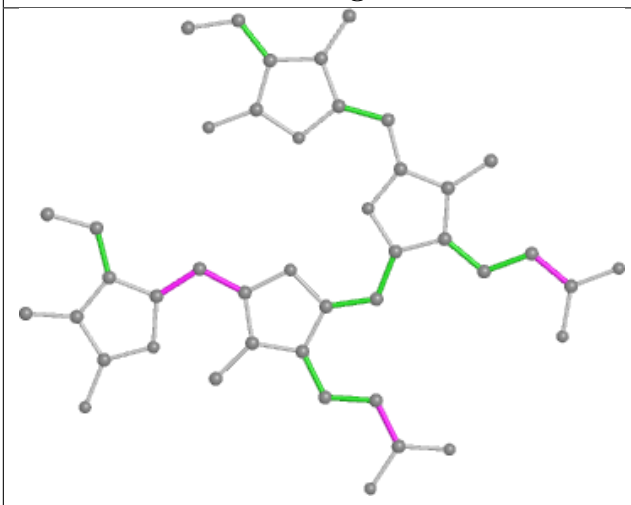

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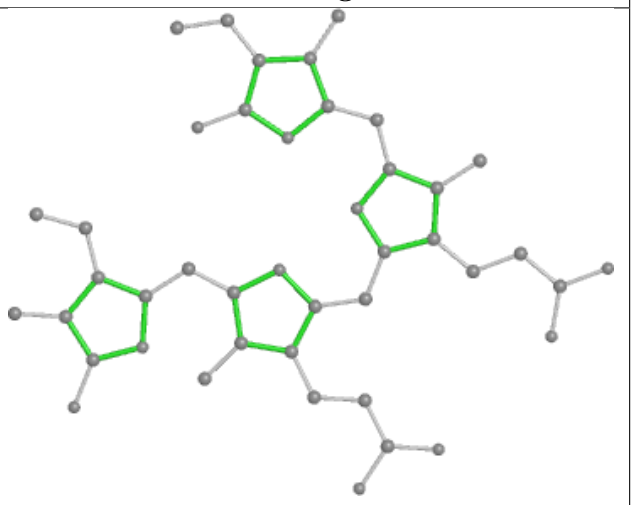

Rings

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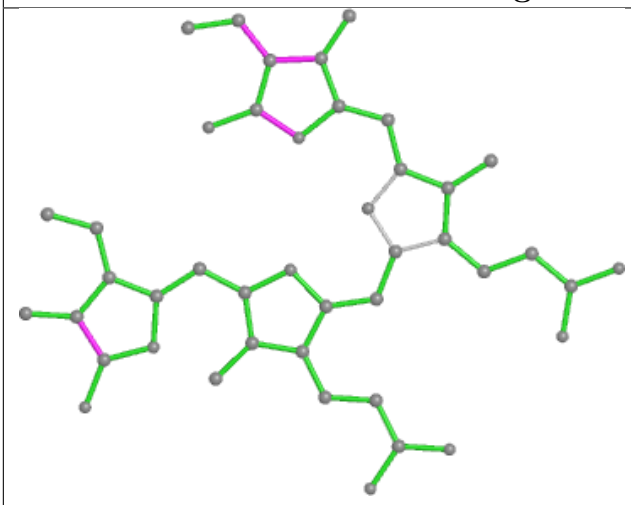

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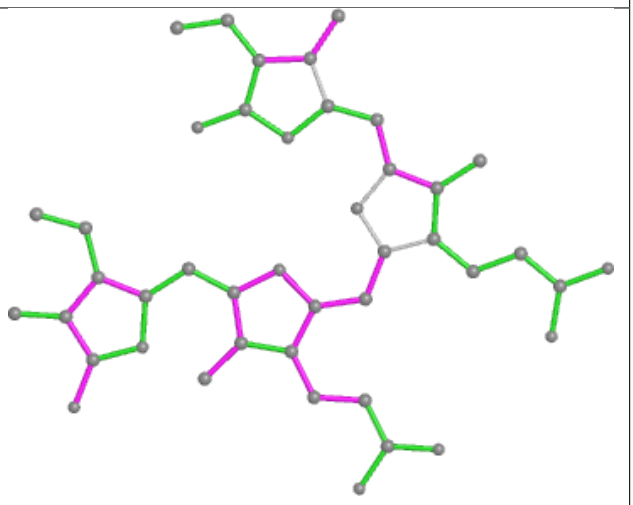

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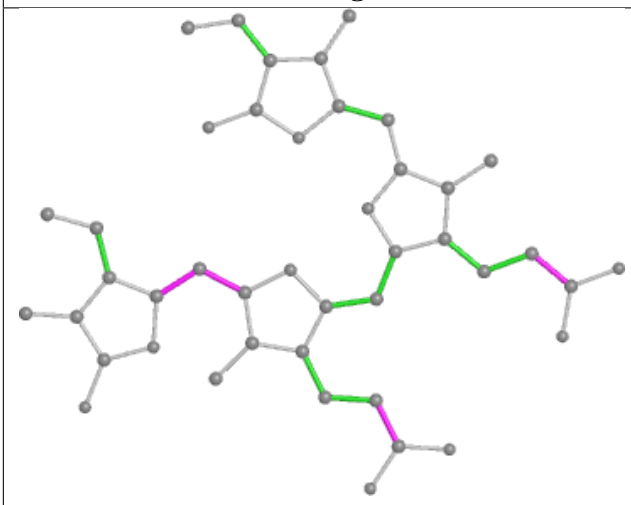

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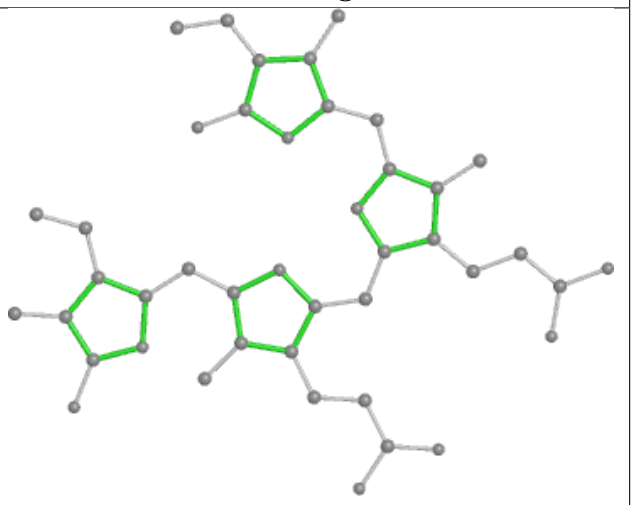

Rings

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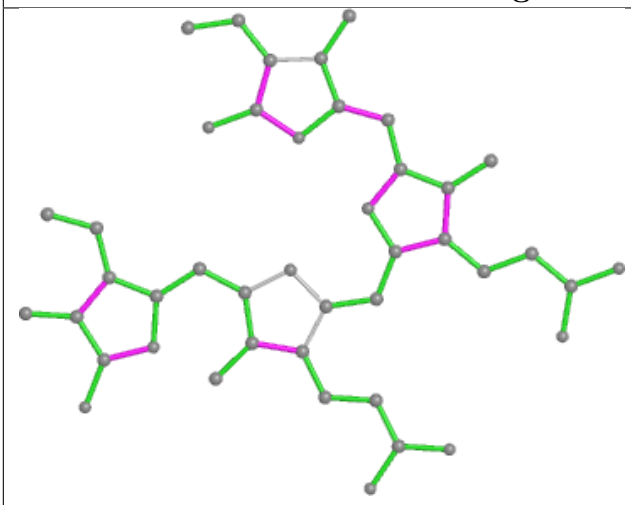

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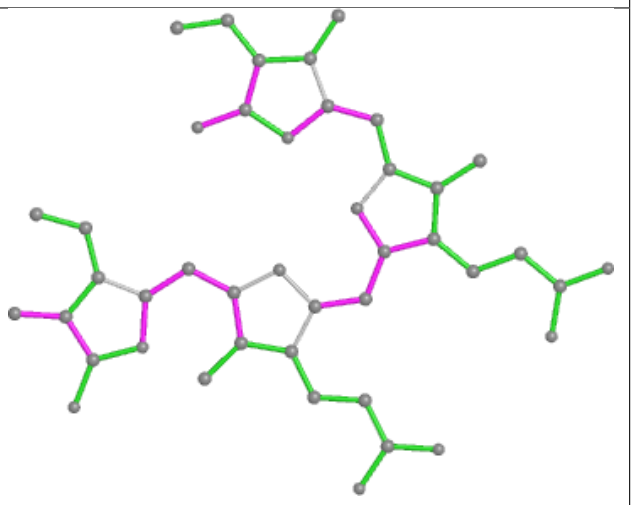

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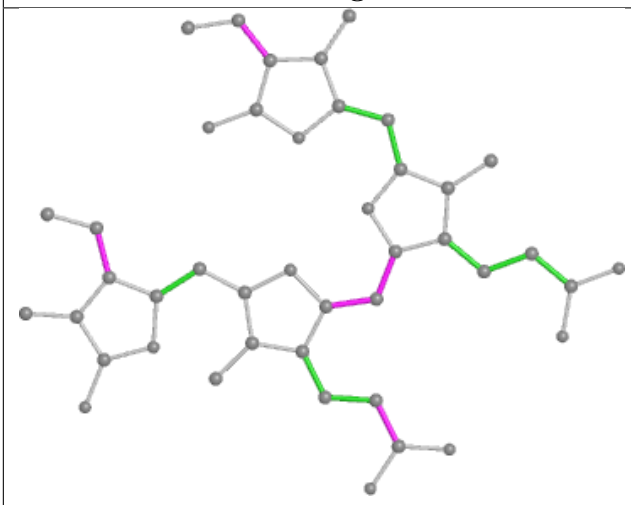

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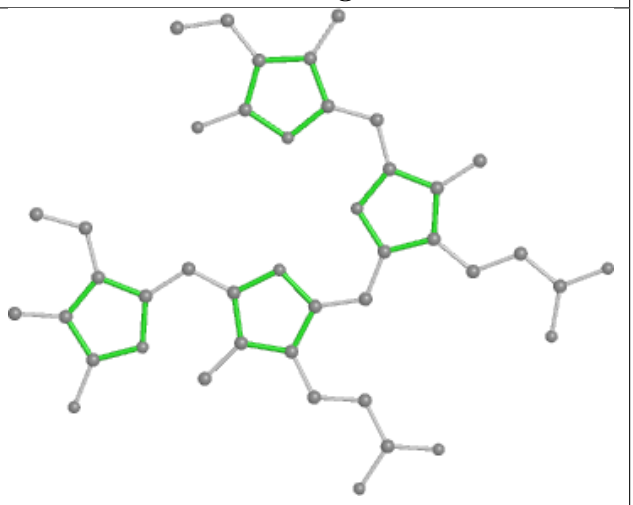
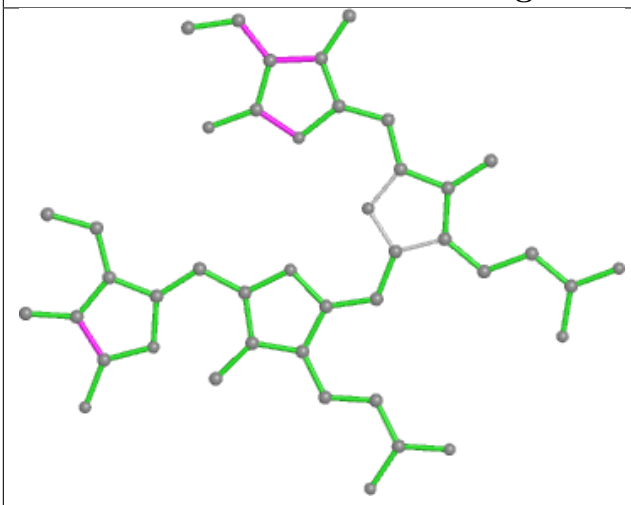


Rings

Ligand PEB Q8 202



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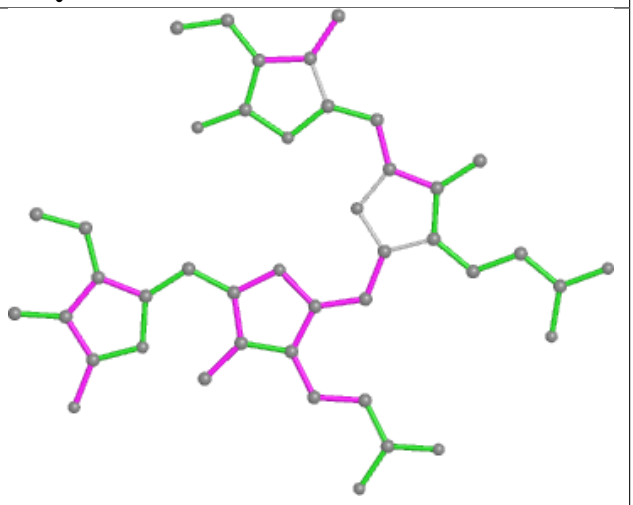

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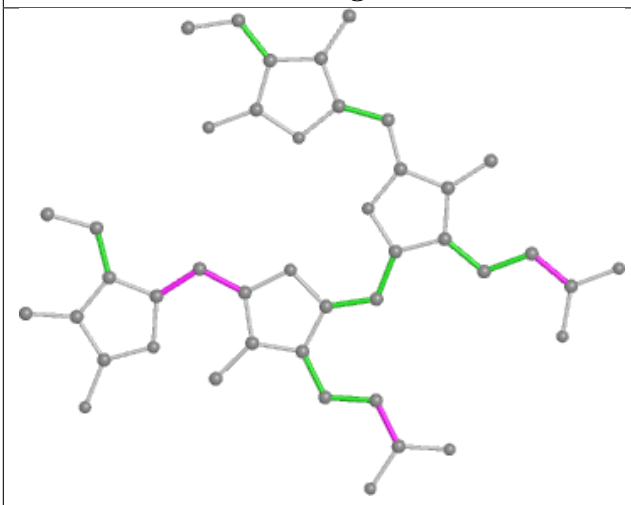

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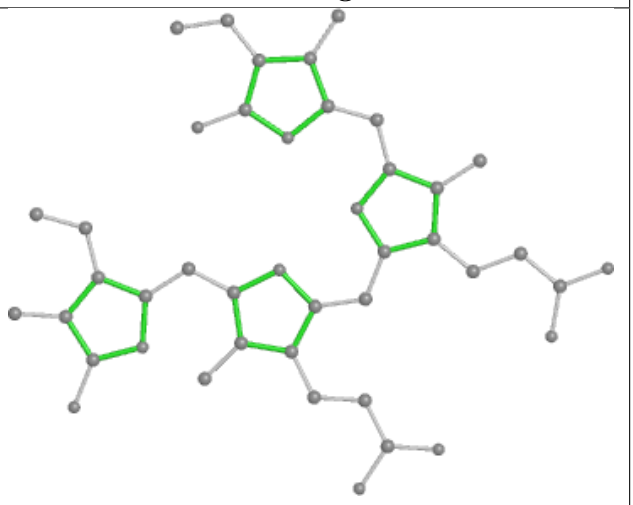
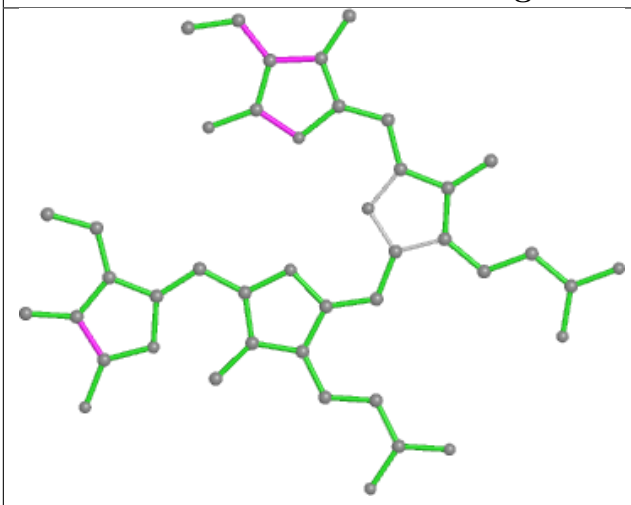


Rings

Ligand PEB hA 201



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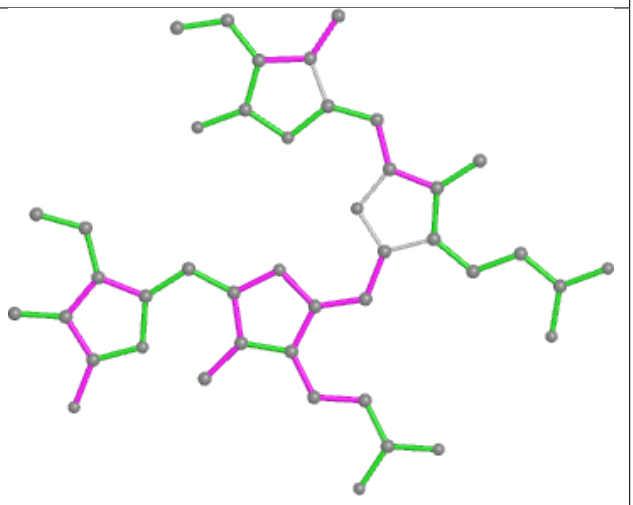
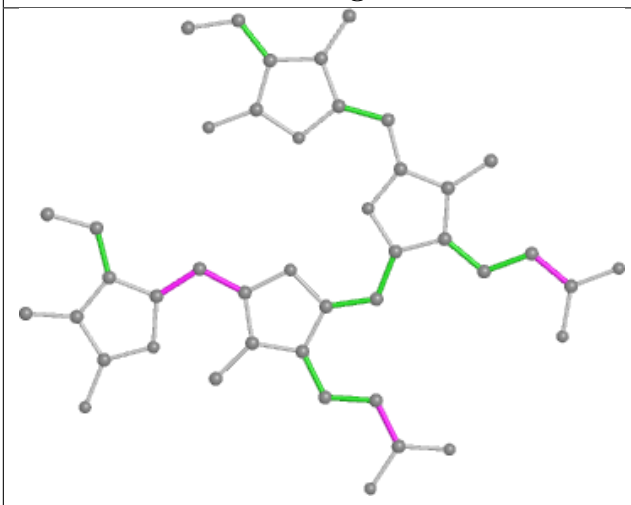
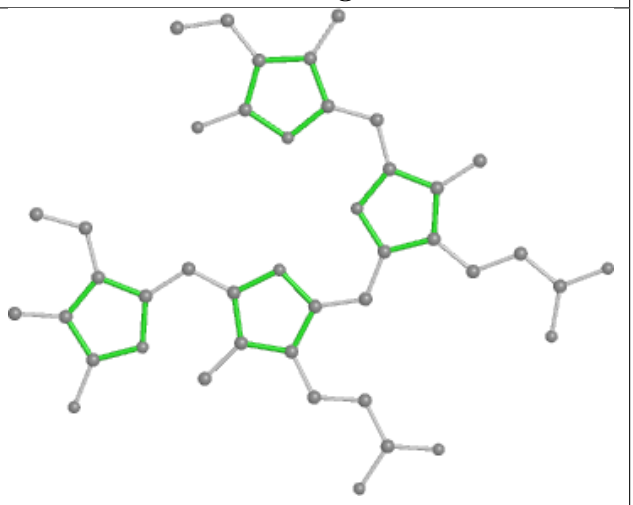


Bond angles

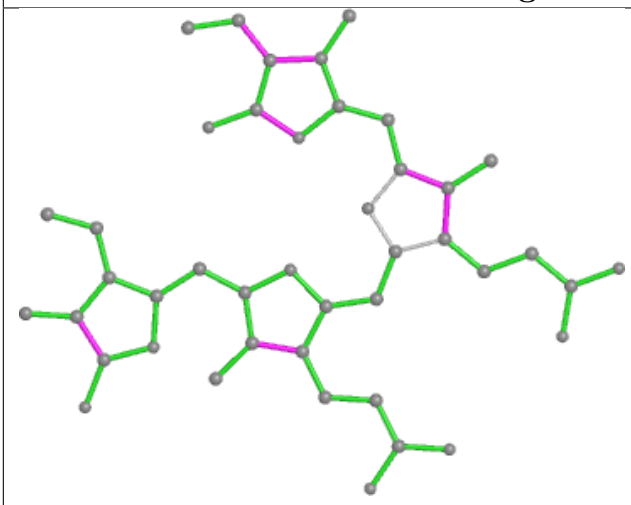


Torsions



Rings

Ligand PEB d7 202



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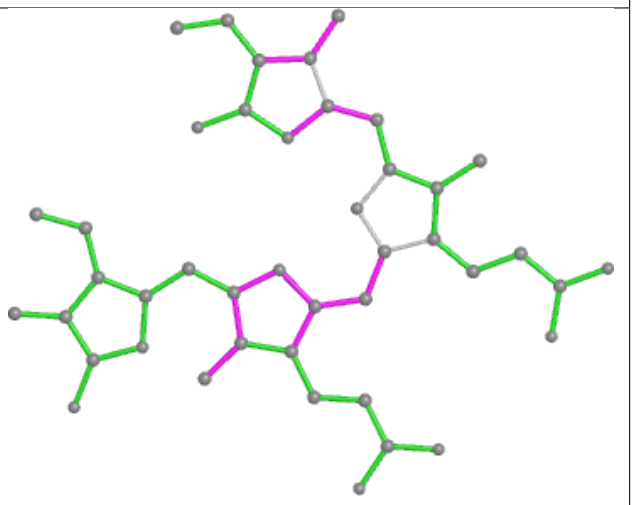

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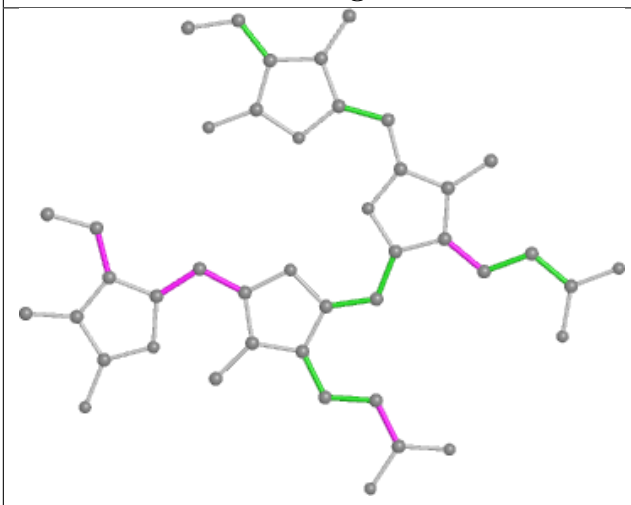

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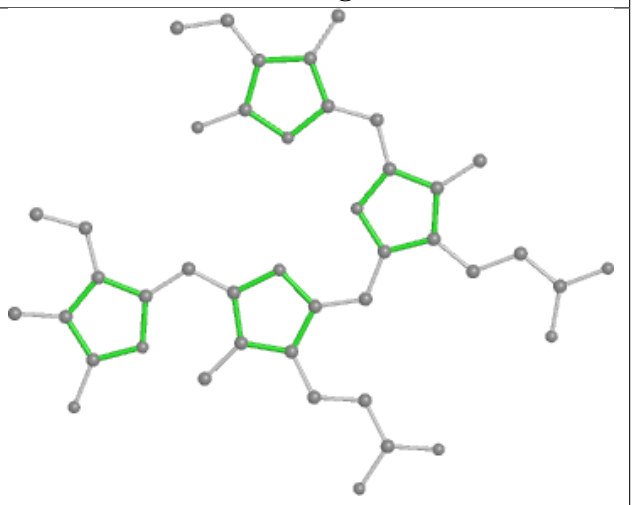
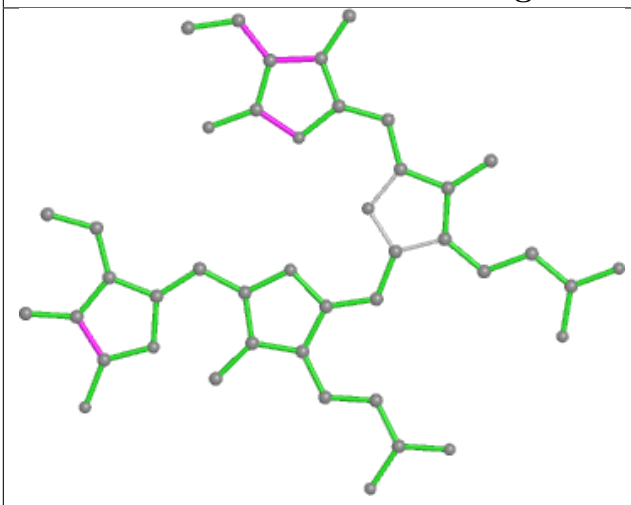


Rings

Ligand PEB G9 201



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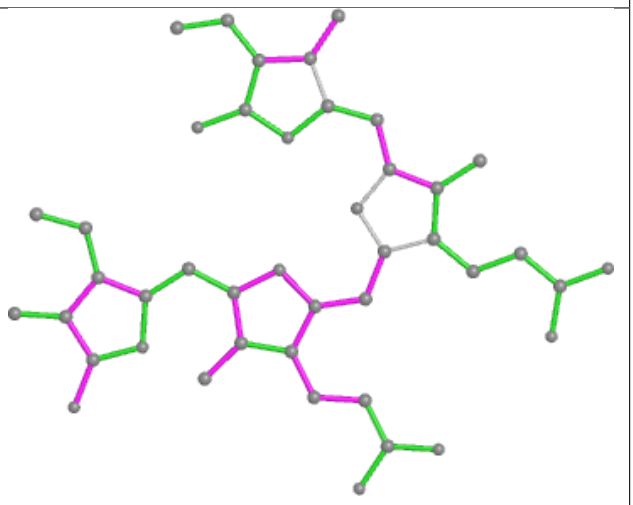

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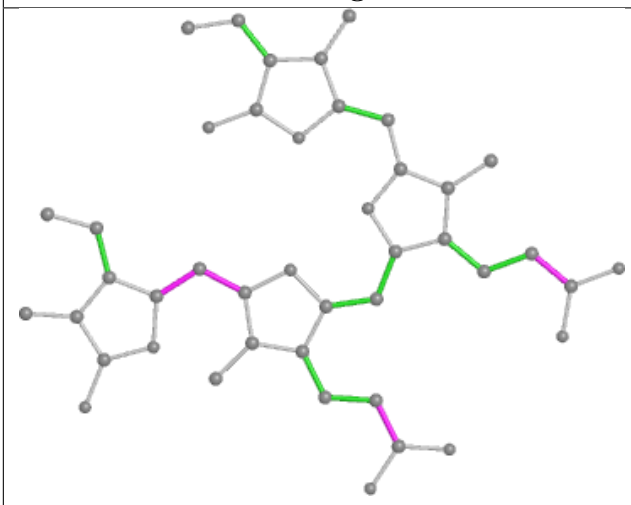

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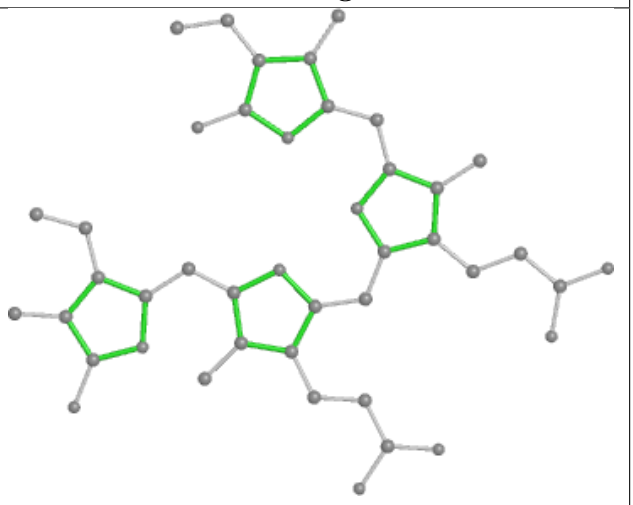
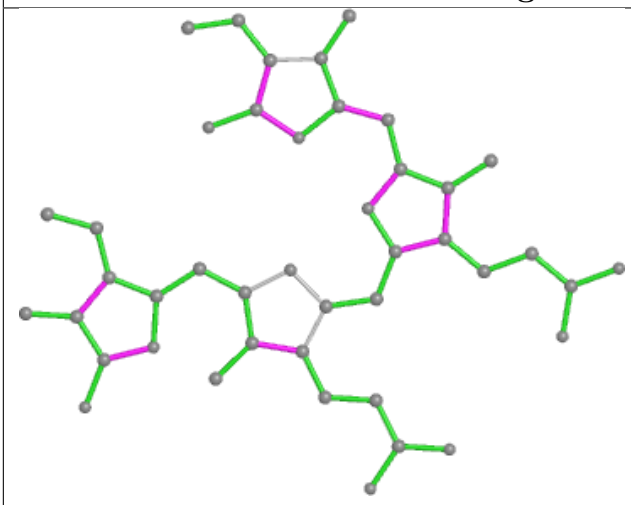


Rings

Ligand PUB x7 203



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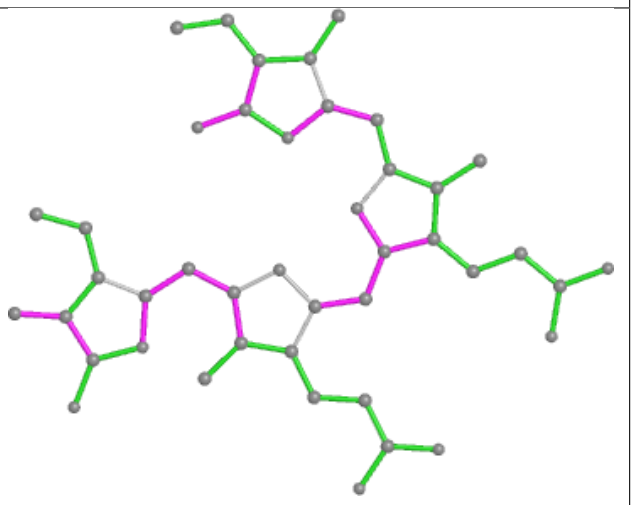

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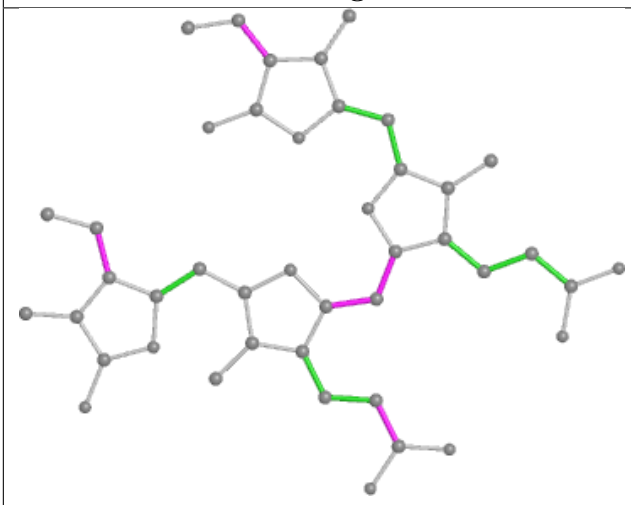

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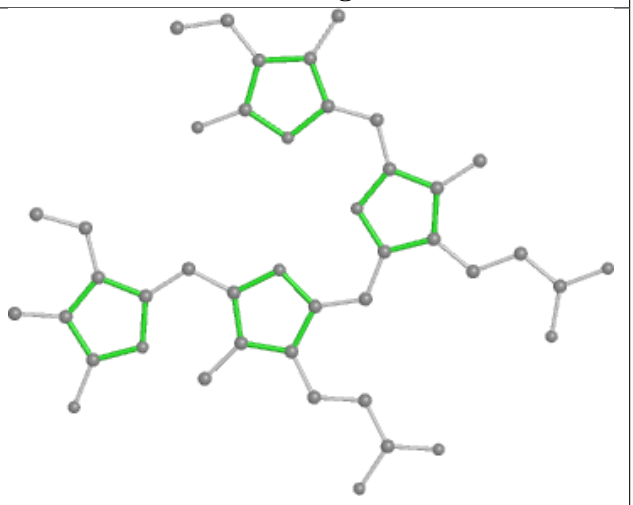
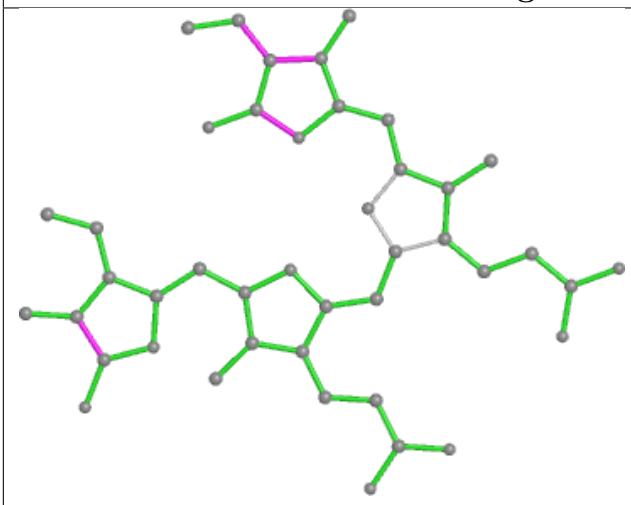


Rings

Ligand PEB eP 202



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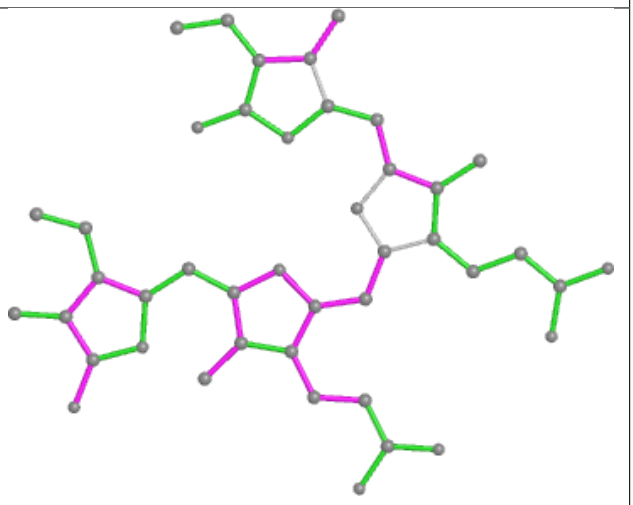

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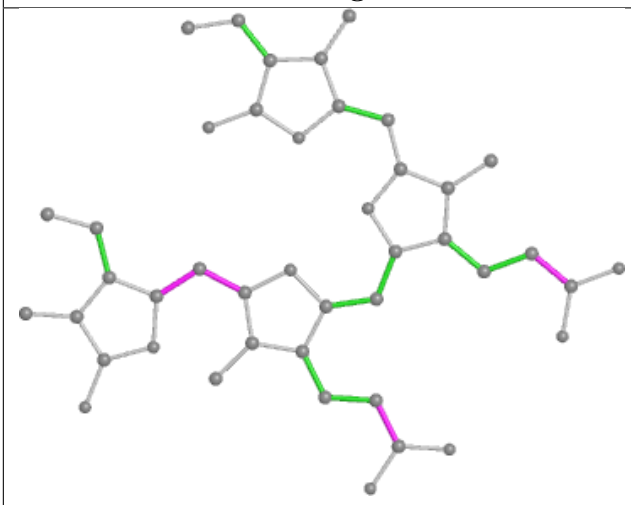

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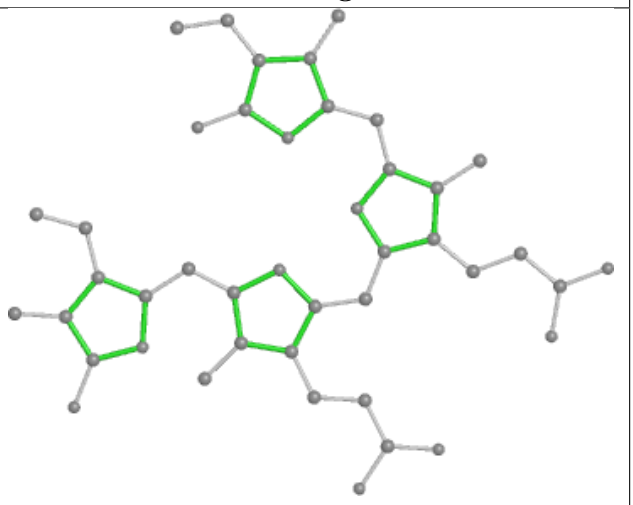
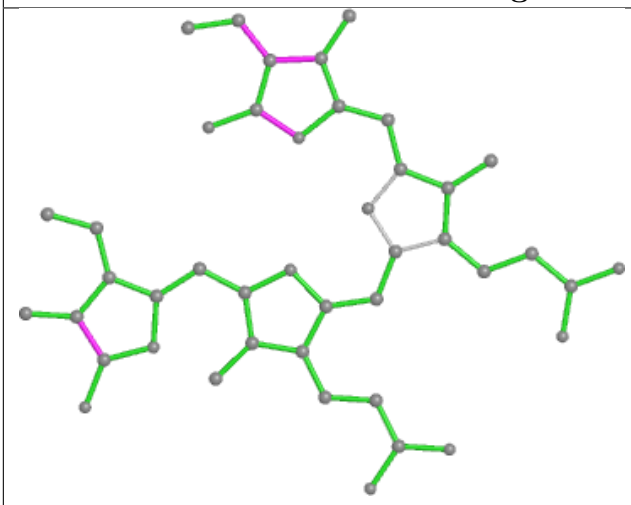


Rings

Ligand PEB o2 1002



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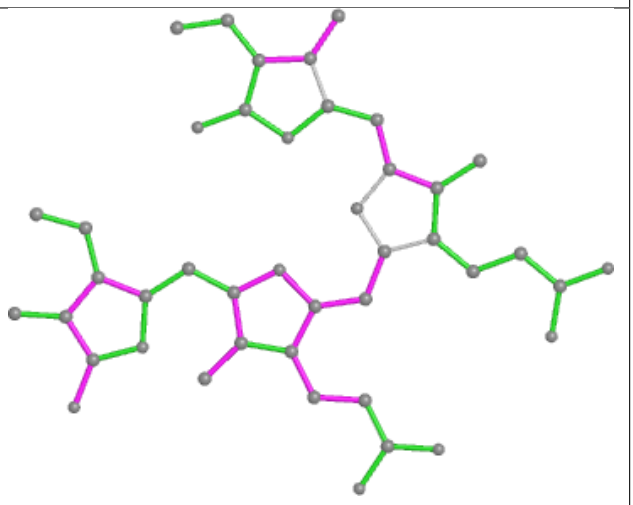

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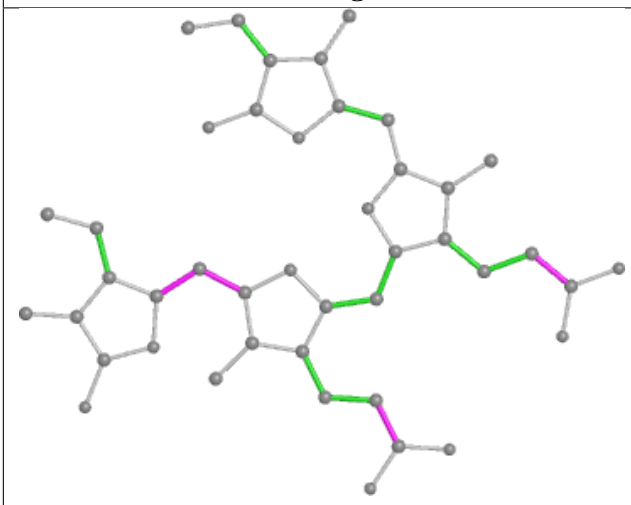

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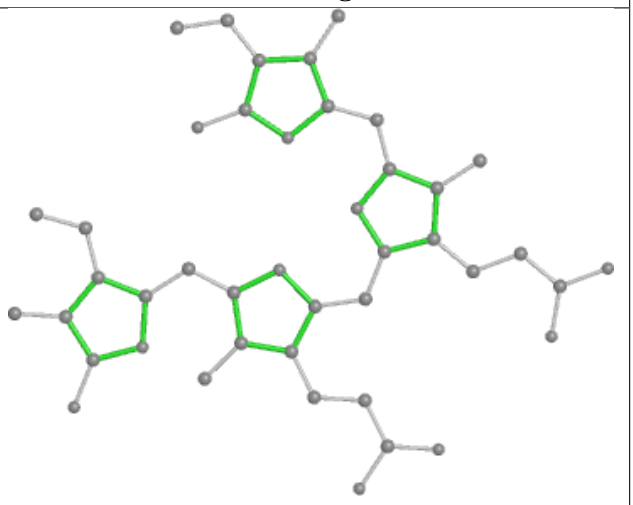

Rings

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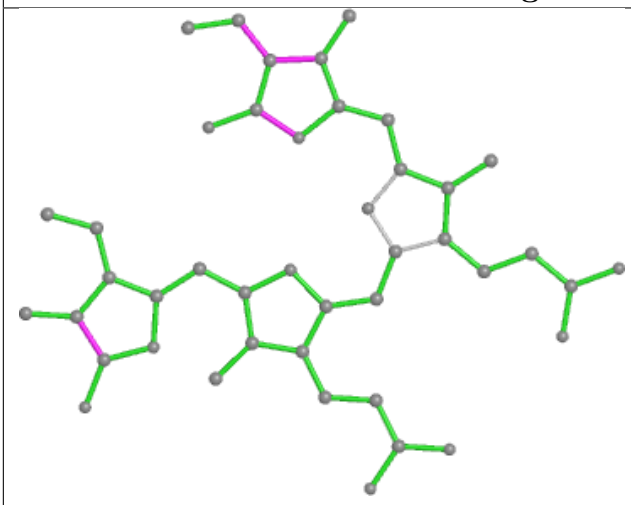

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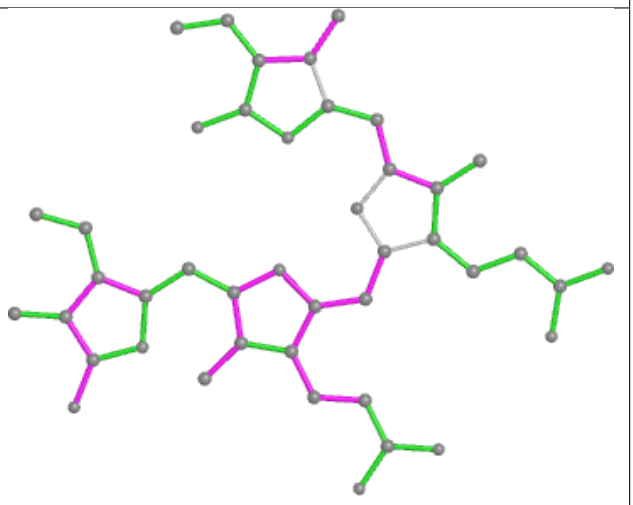

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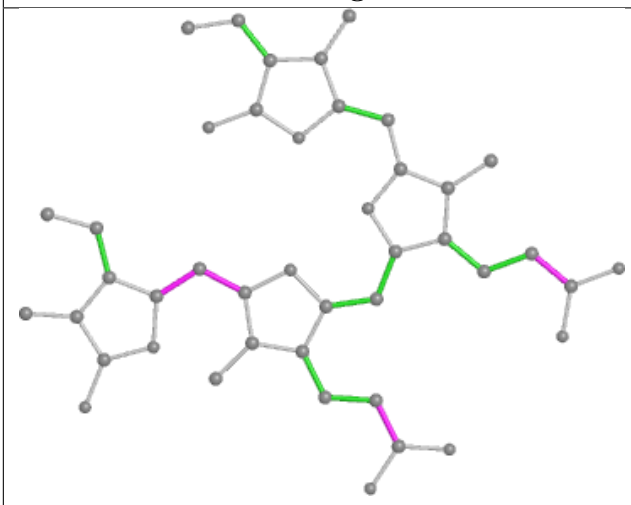

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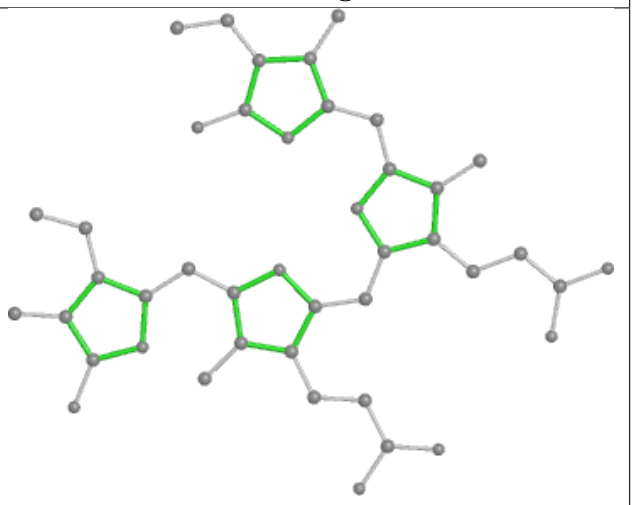
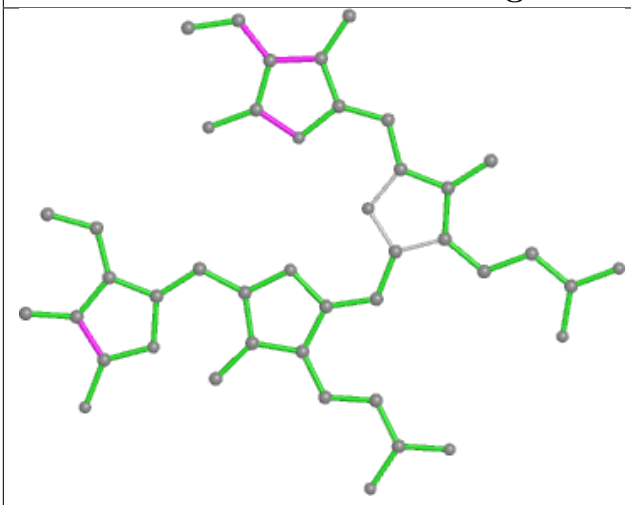


Rings

Ligand PEB U8 1003



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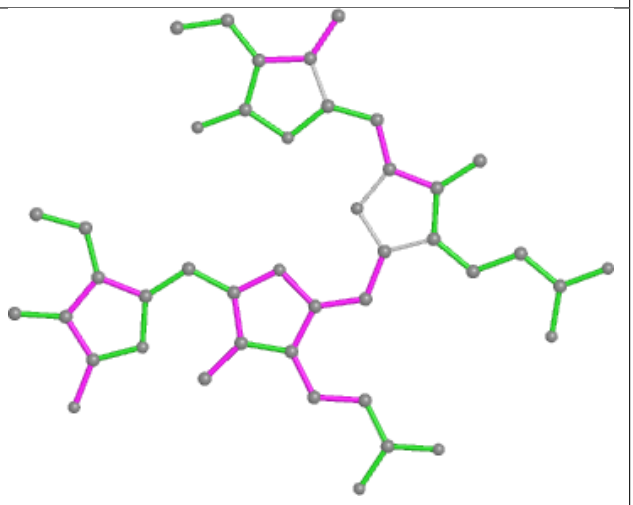

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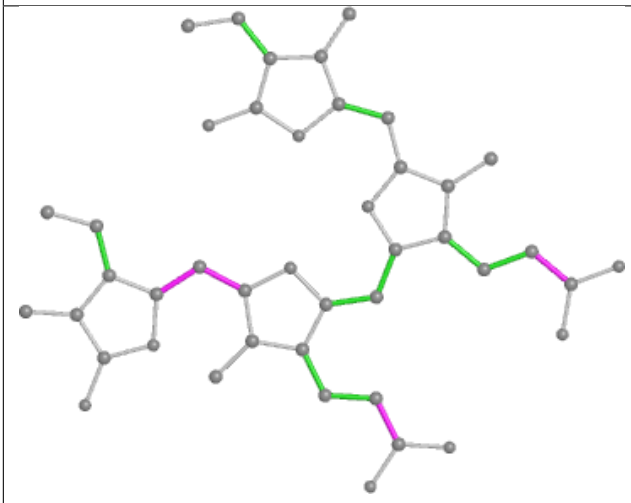

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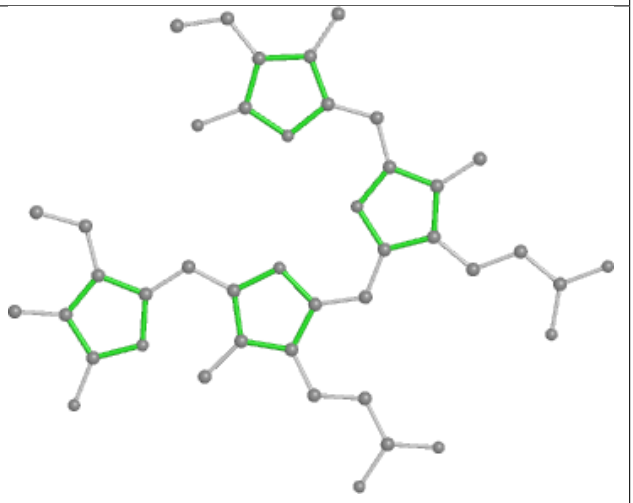

Rings

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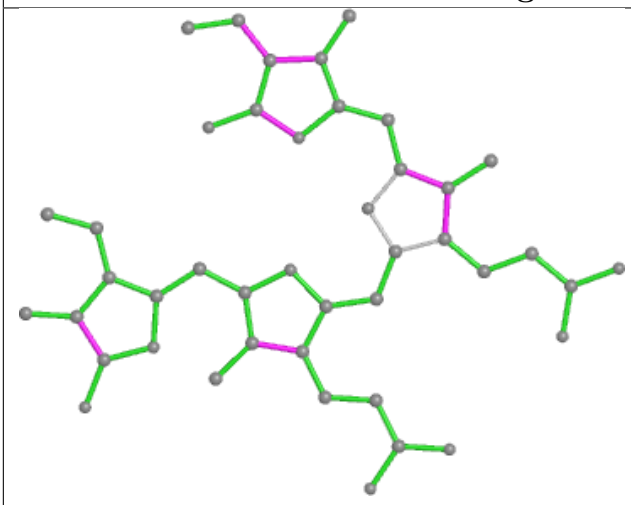

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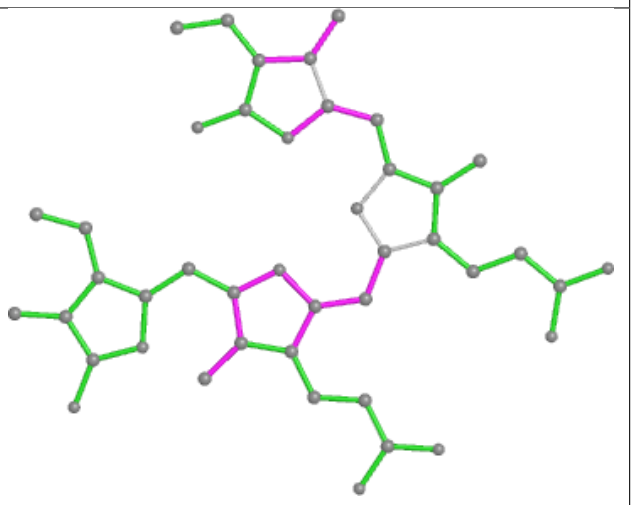

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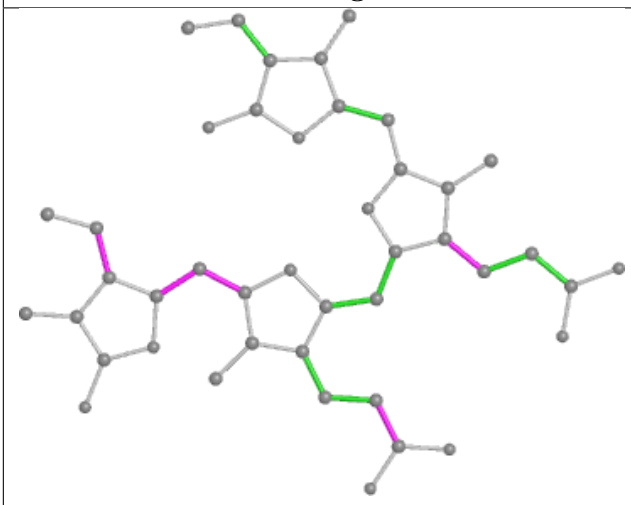

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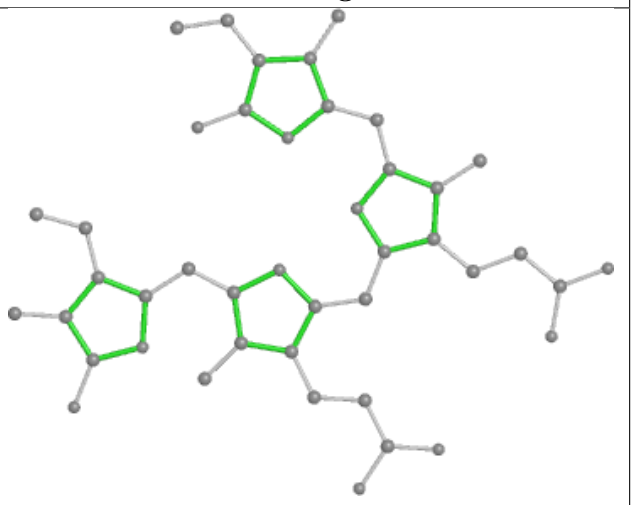
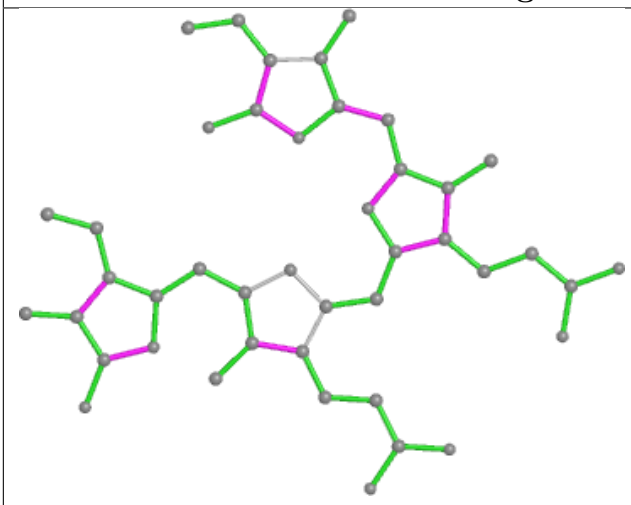


Rings

Ligand PUB h2 203



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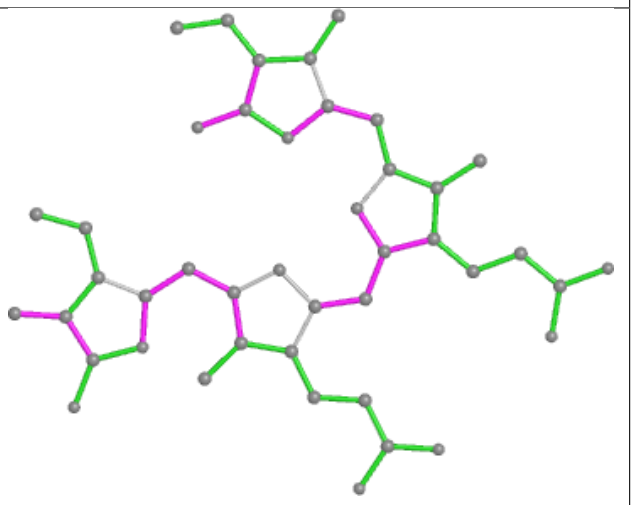

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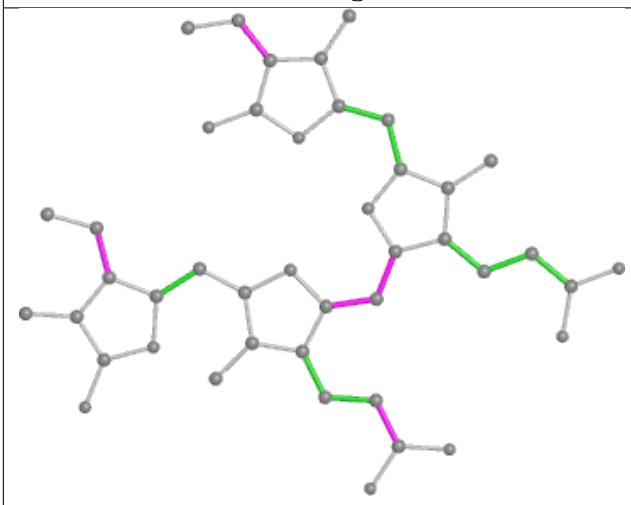

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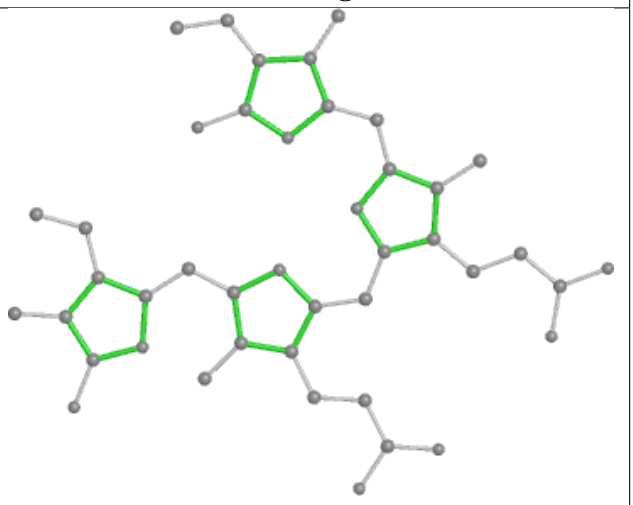
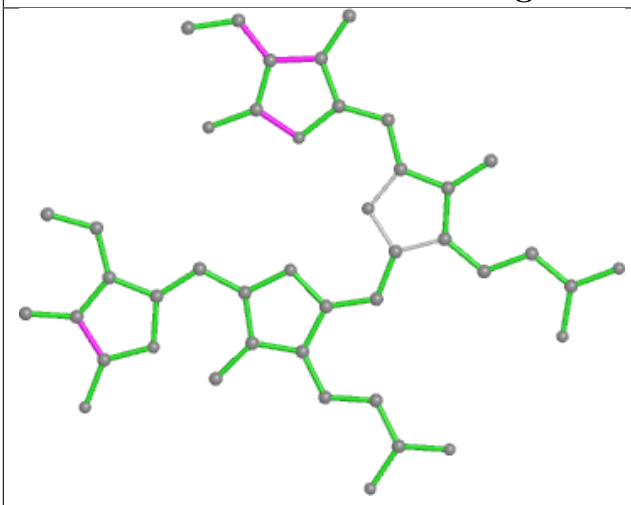


Rings

Ligand PEB aU 201



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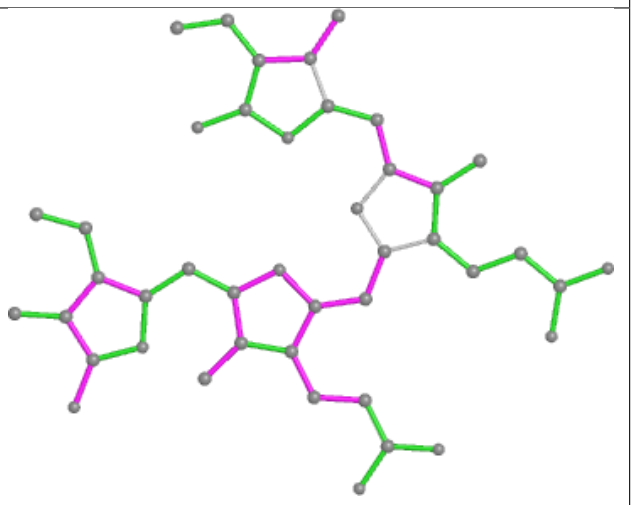

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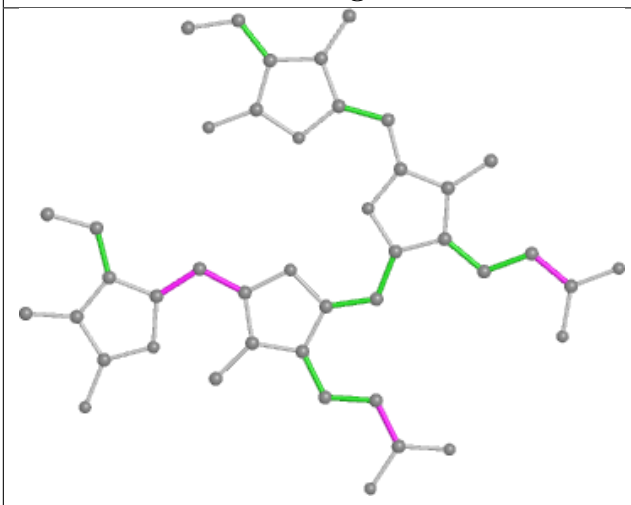

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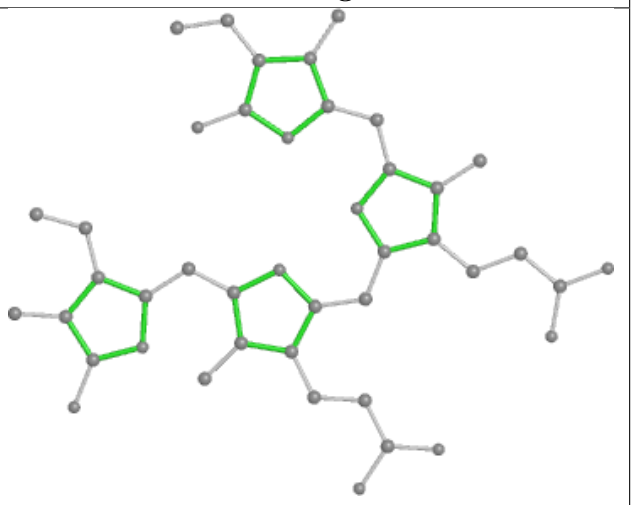

Rings

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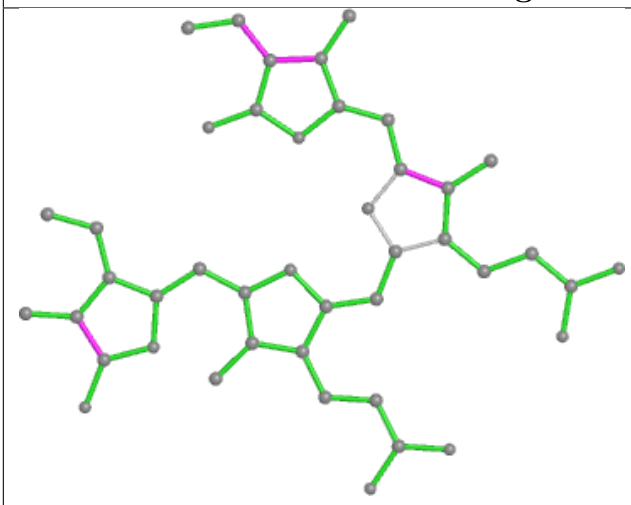

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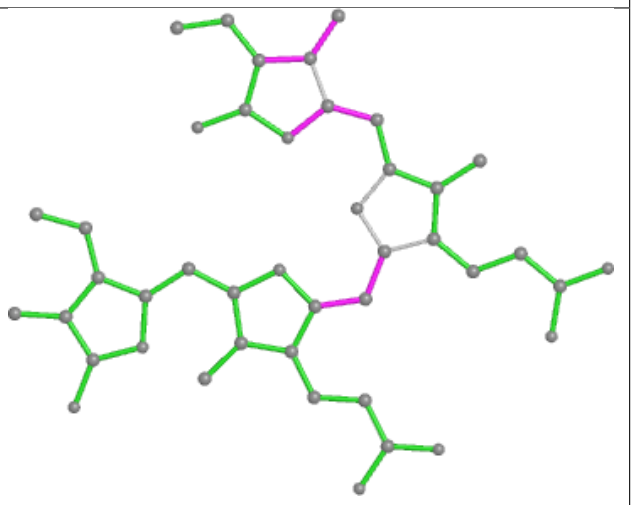

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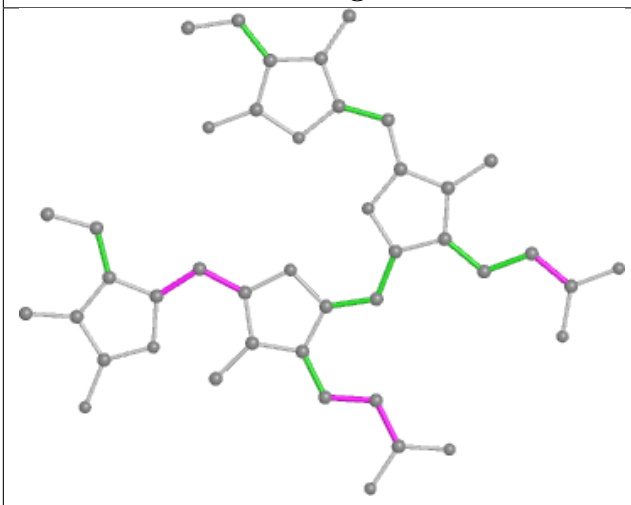

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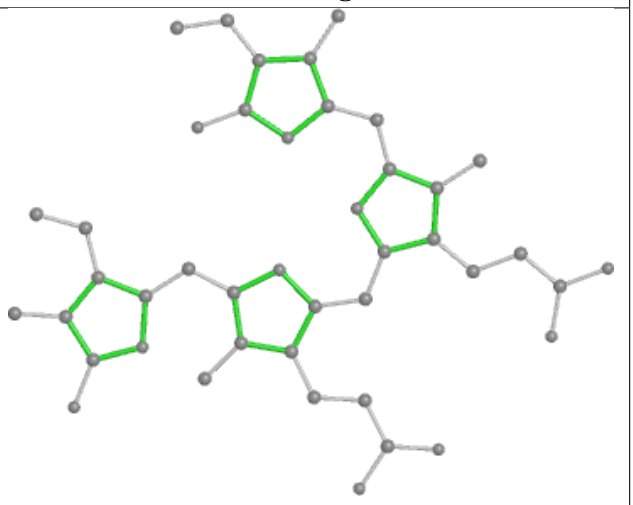
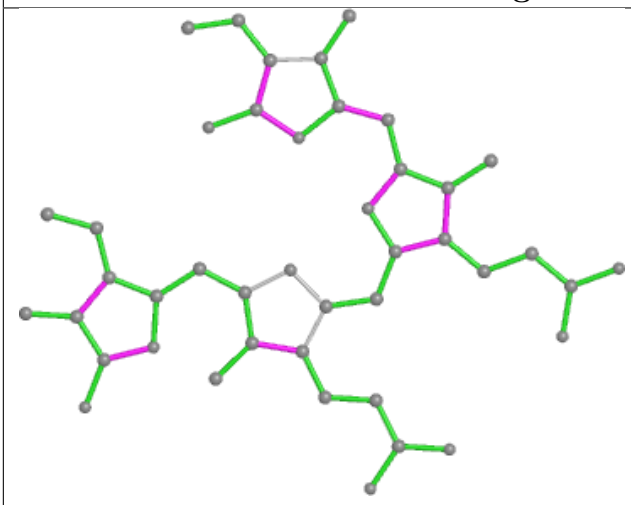


Rings

Ligand PUB D4 203



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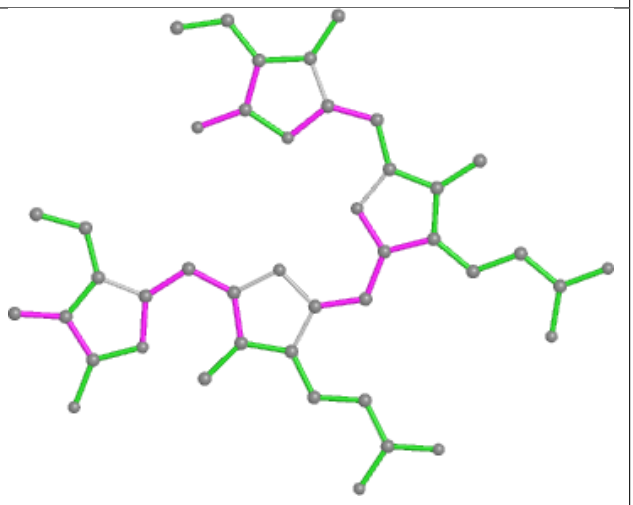

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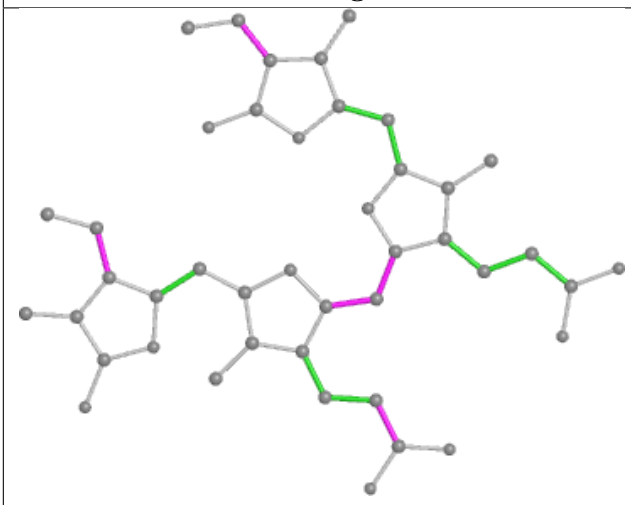

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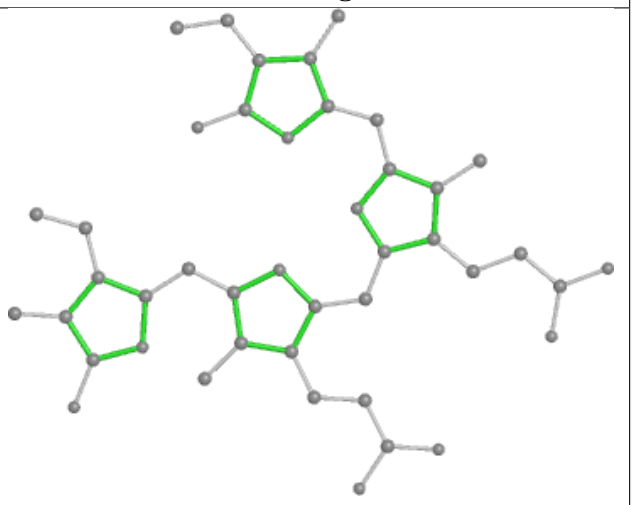
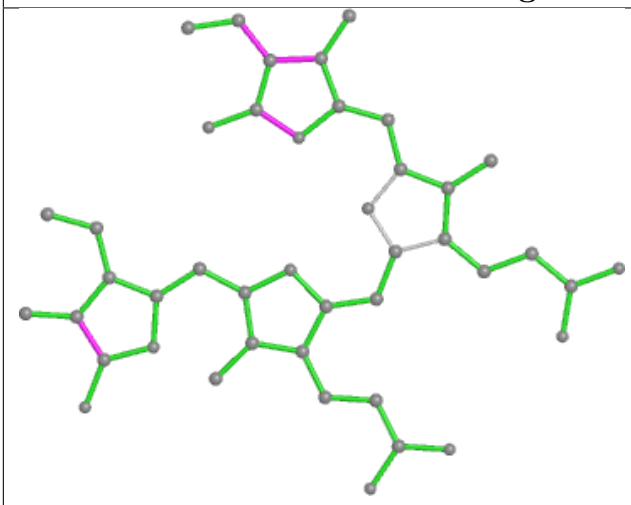


Rings

Ligand PEB p6 201



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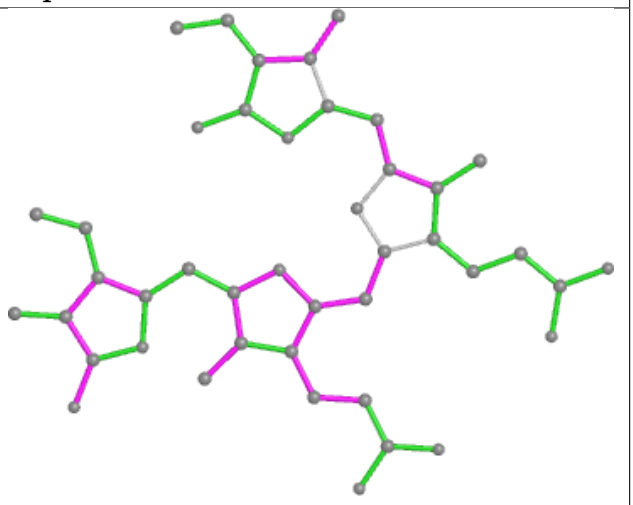

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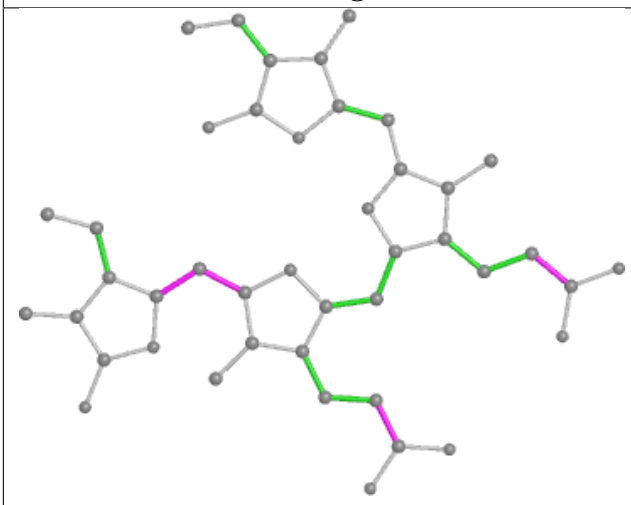
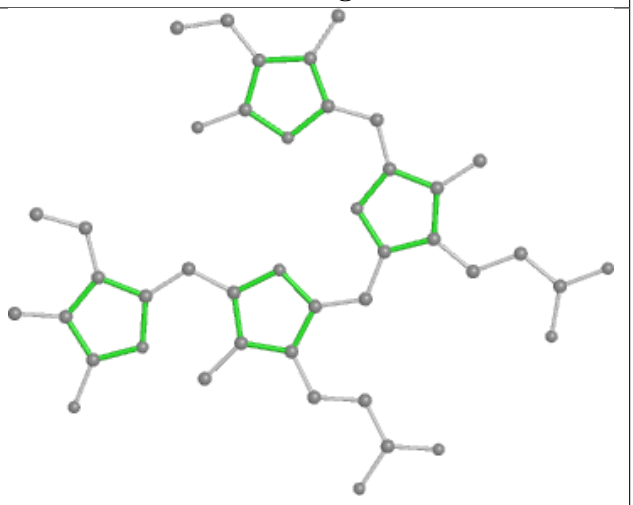
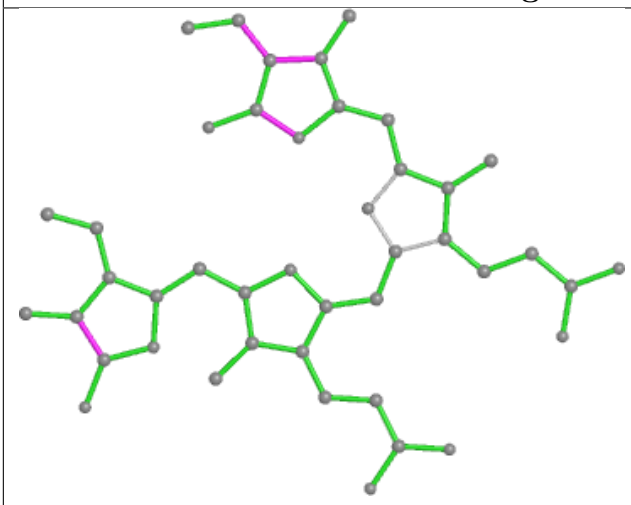


Torsions



Rings

Ligand PEB s8 201



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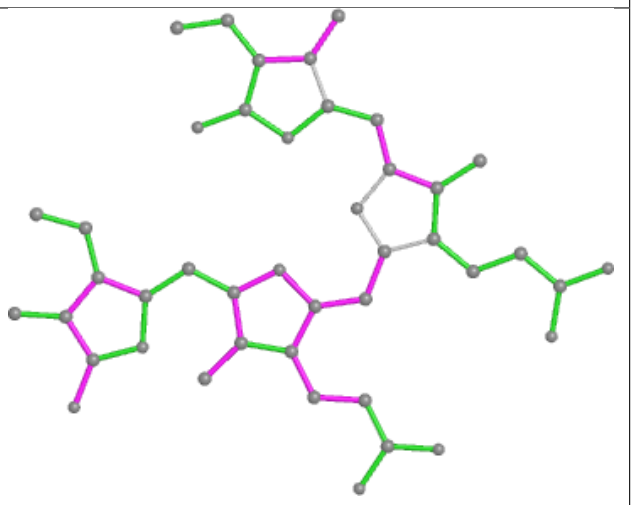

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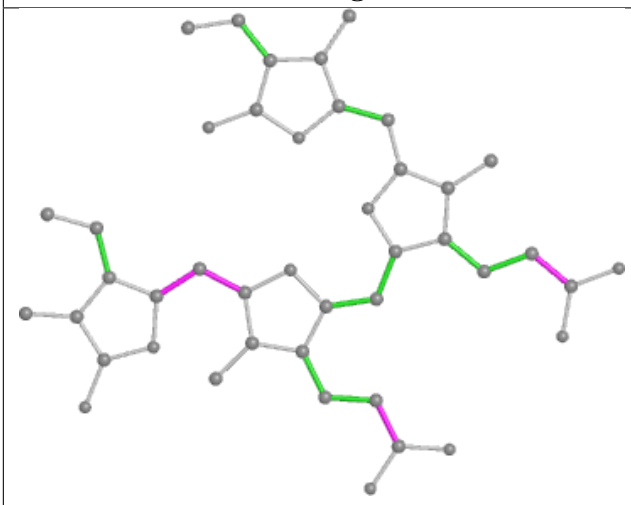

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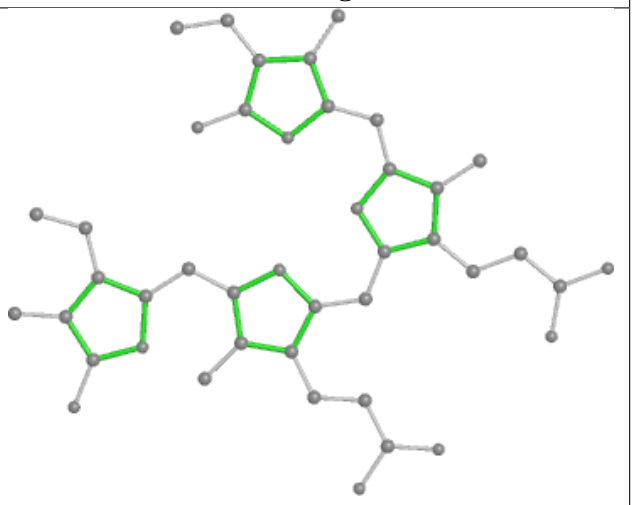
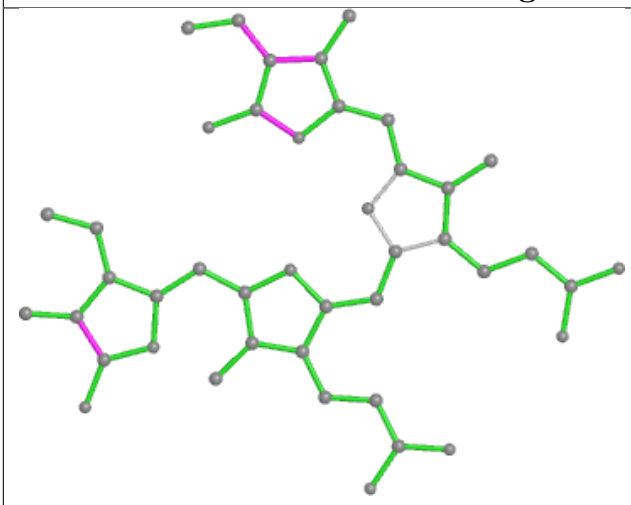


Rings

Ligand PEB h2 201



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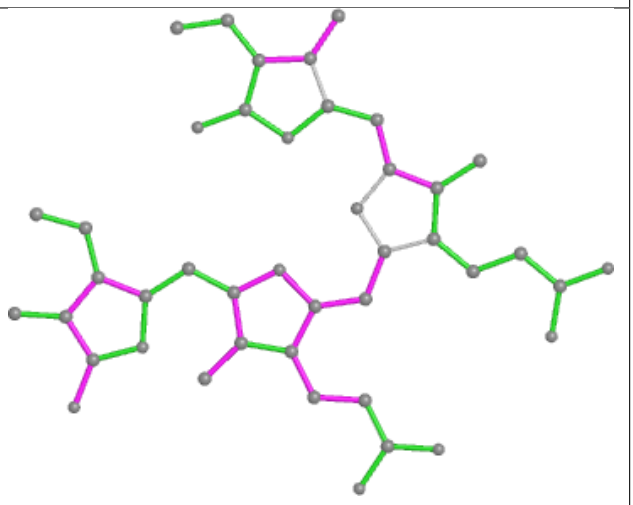

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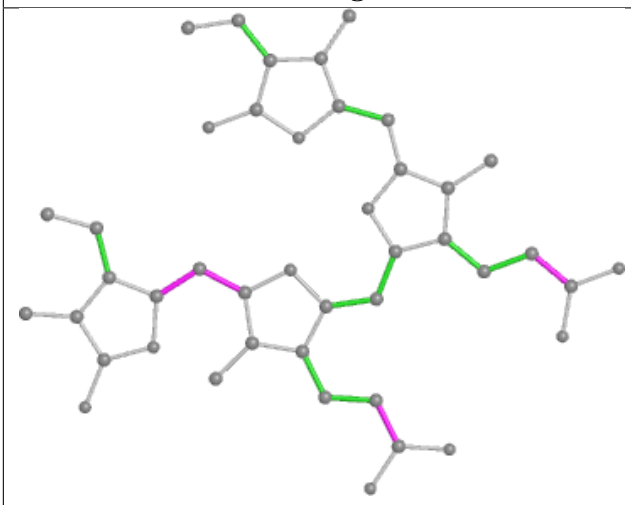

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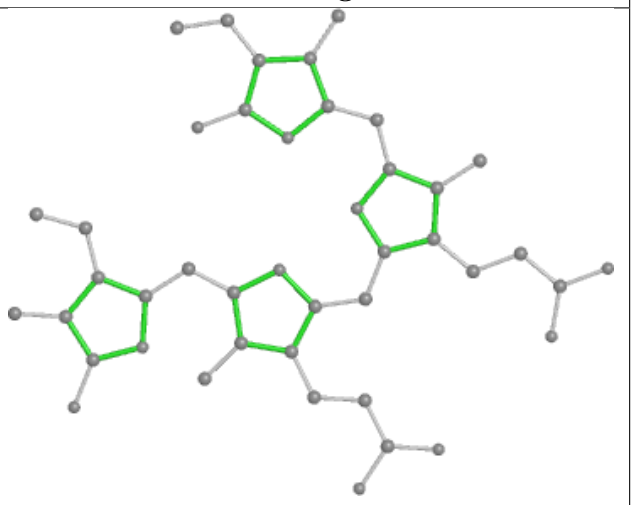

Rings

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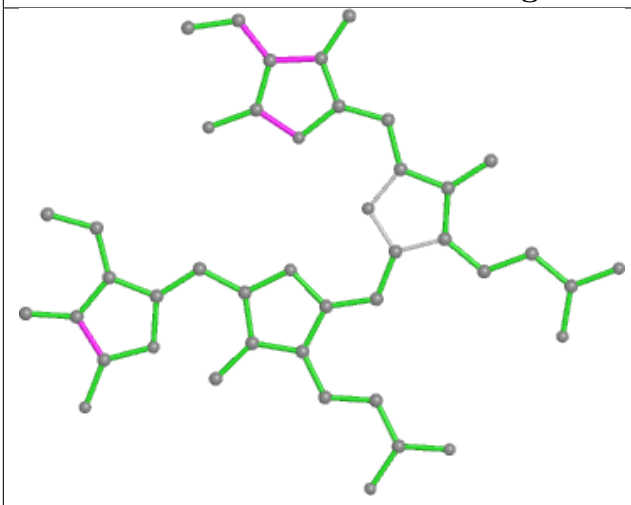

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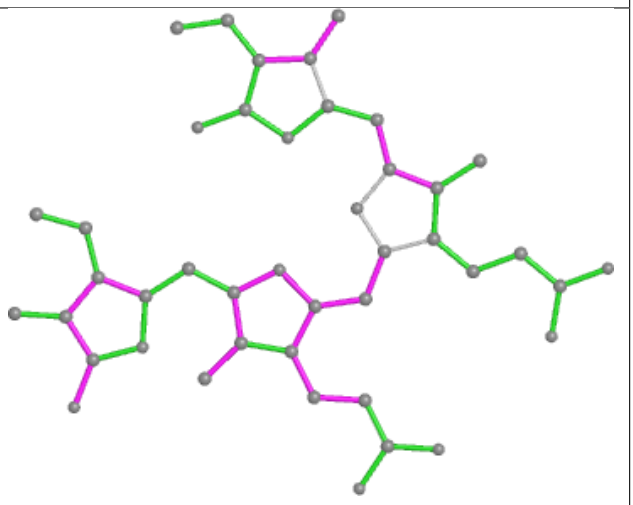

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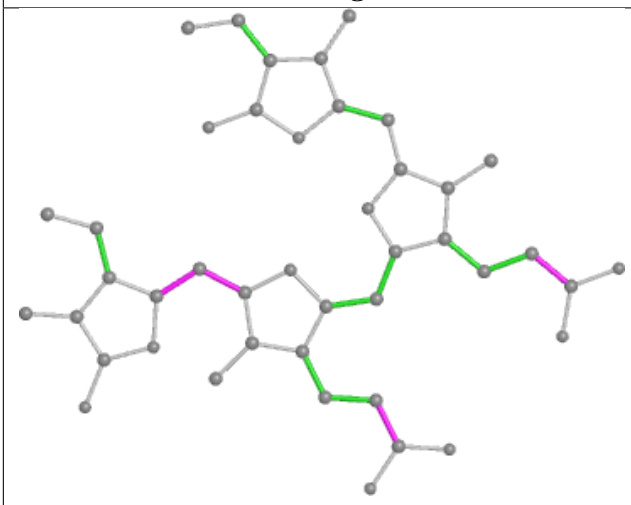

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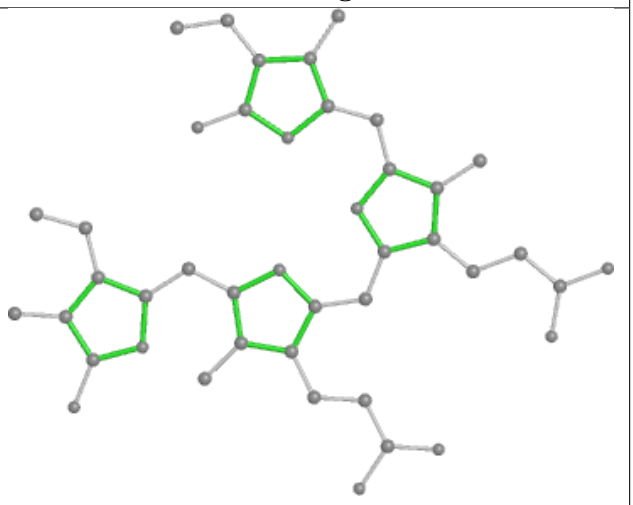
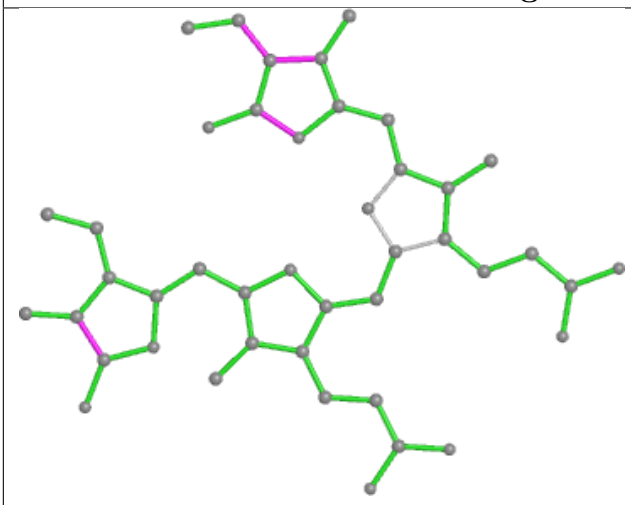


Rings

Ligand PEB dt 201



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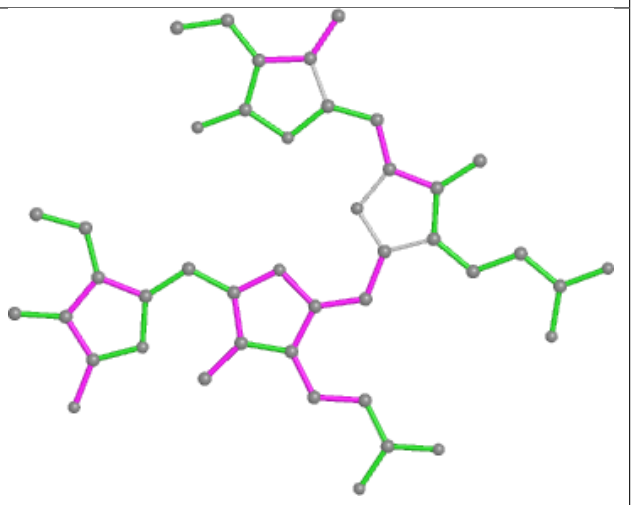

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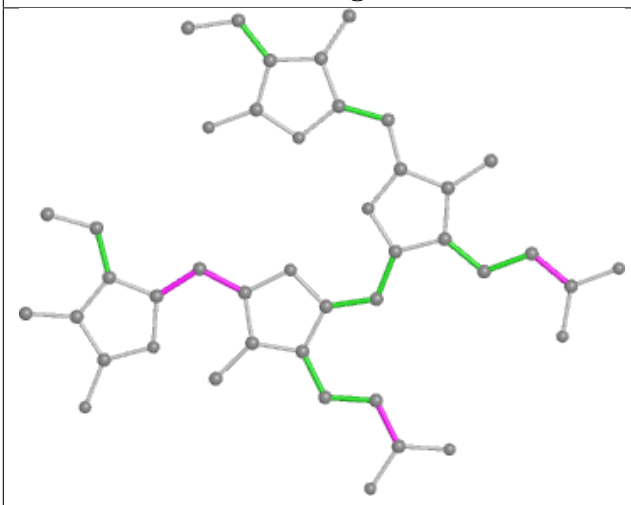

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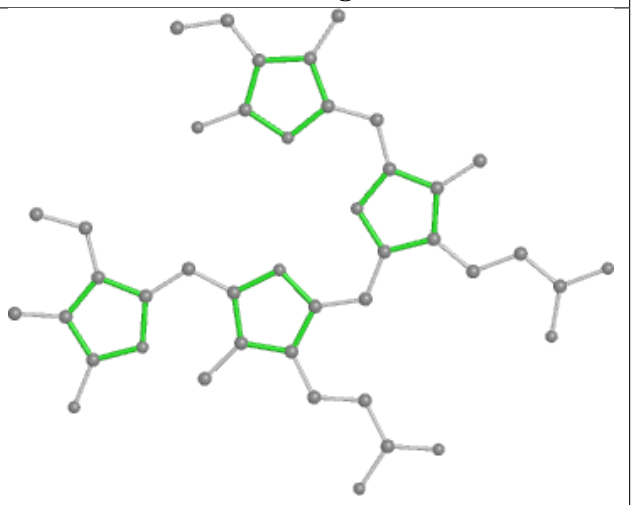
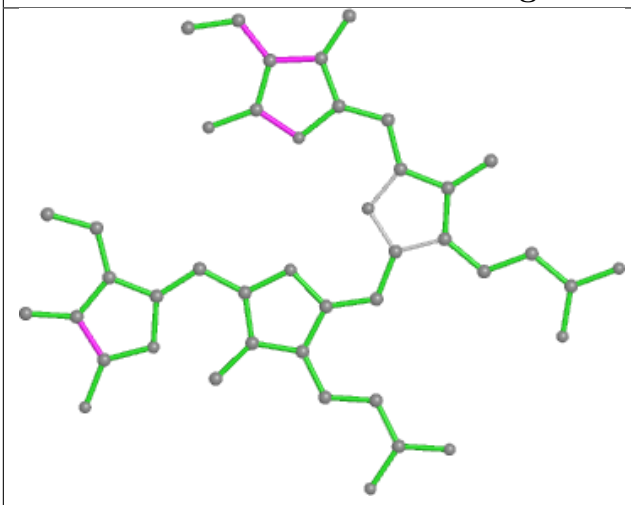


Rings

Ligand PEB v7 201



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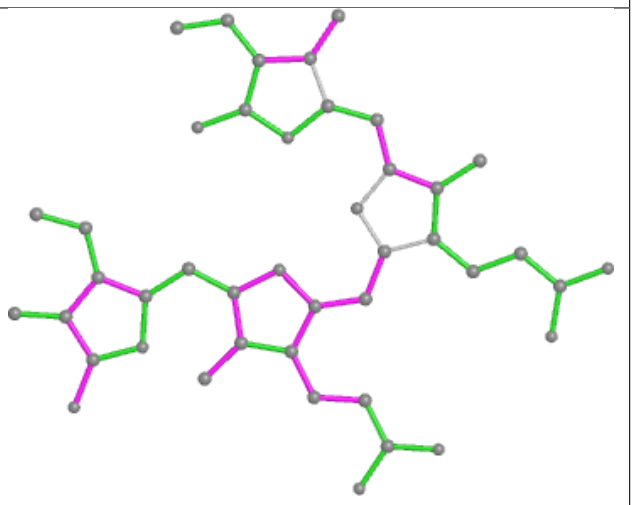

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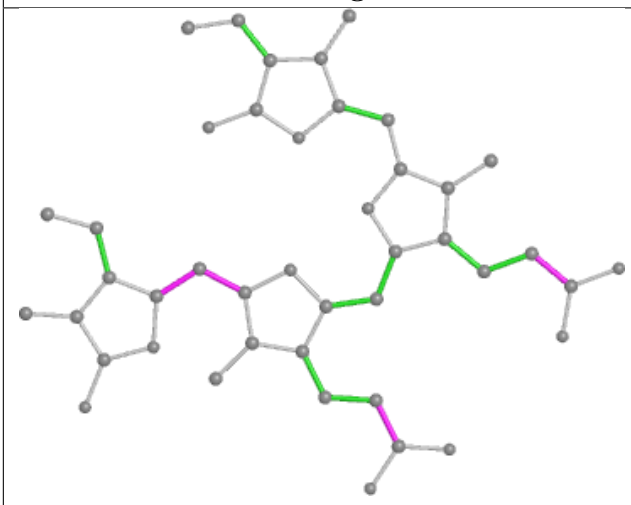

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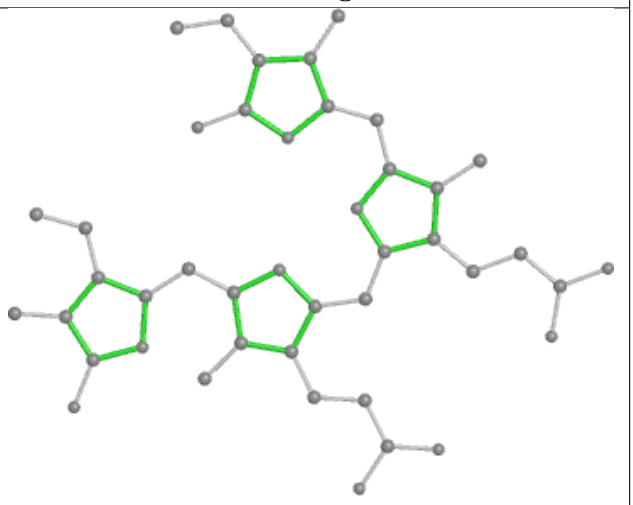
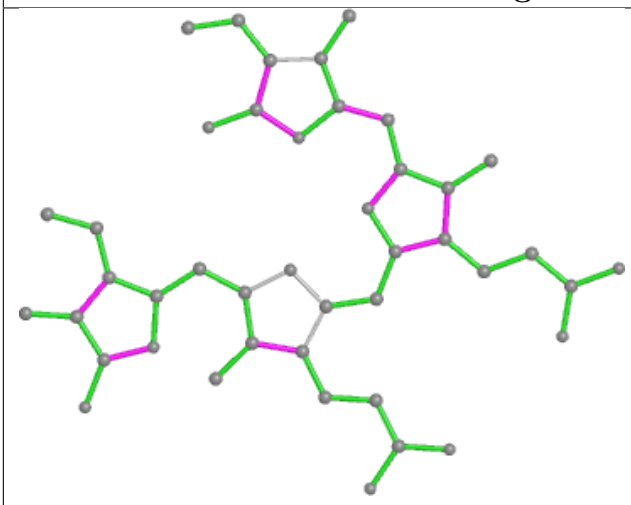


Rings

Ligand PUB B6 203



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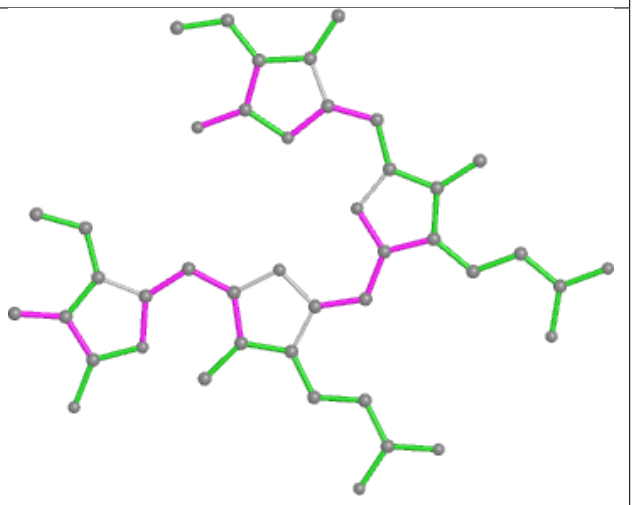

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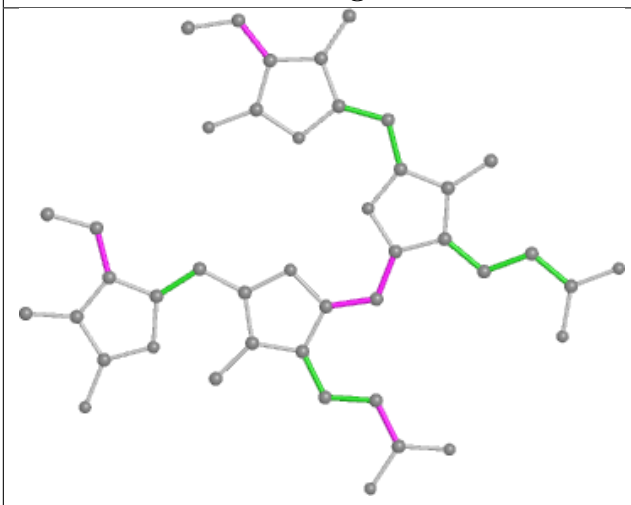

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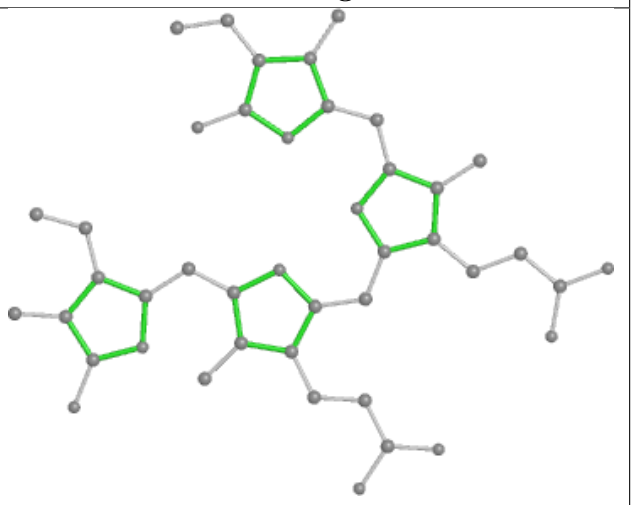
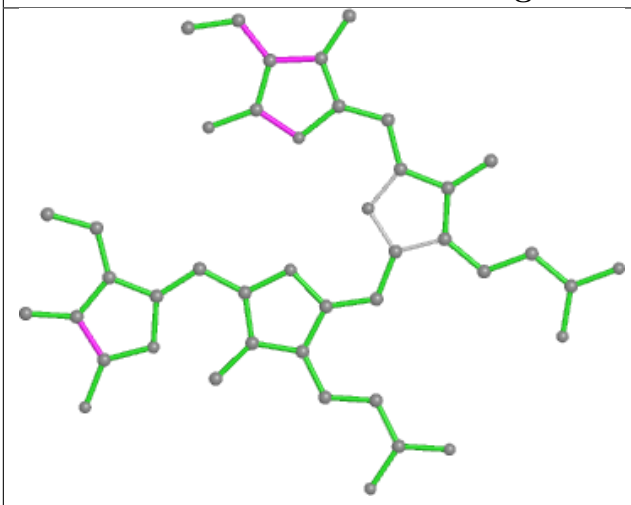


Rings

Ligand PEB H9 201



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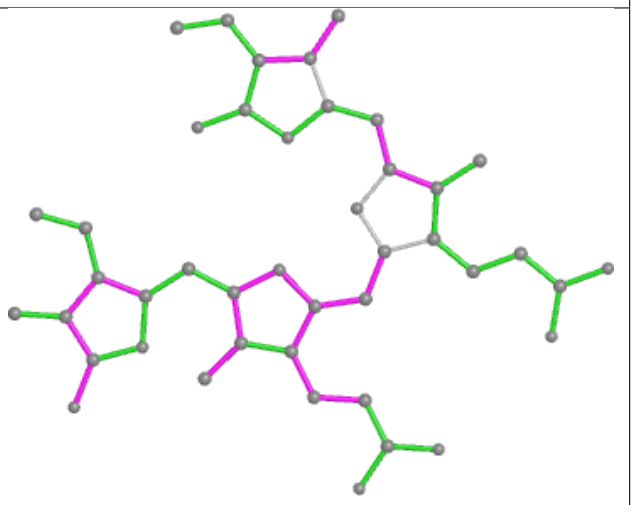

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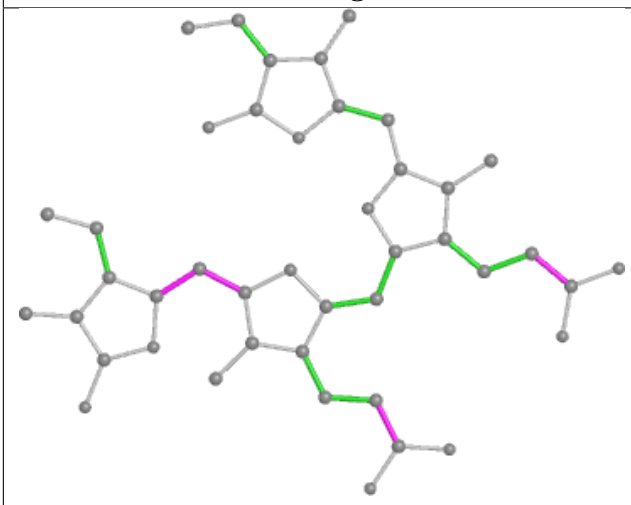

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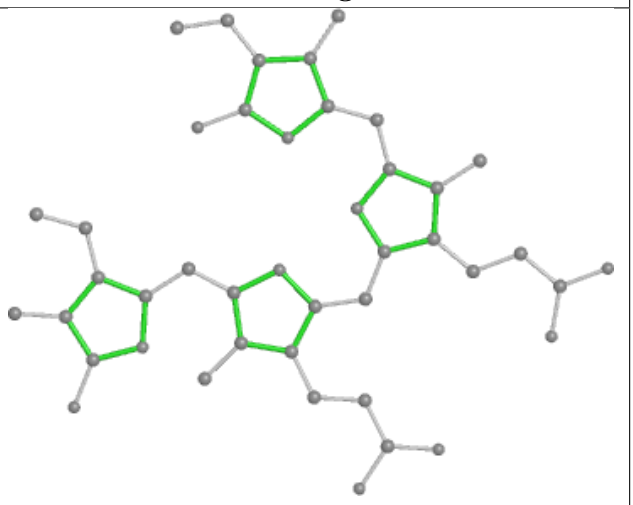

Rings

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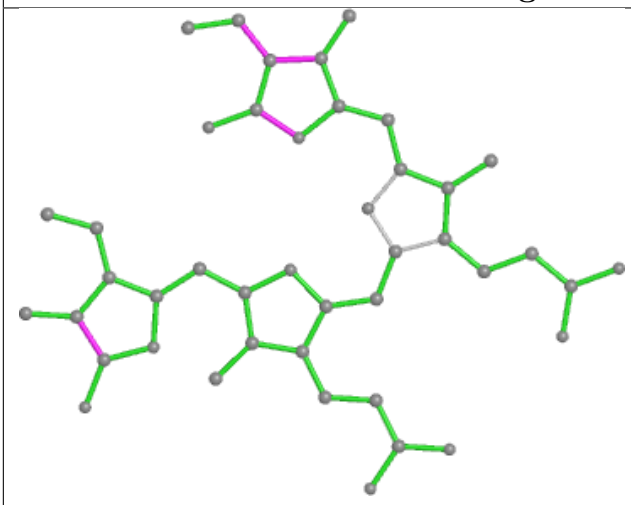

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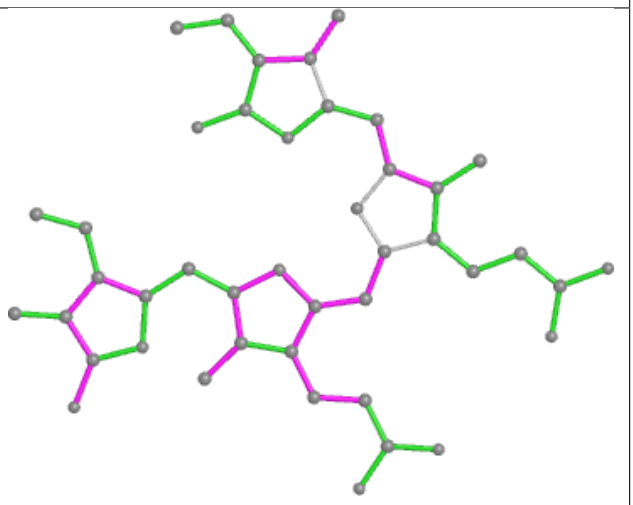

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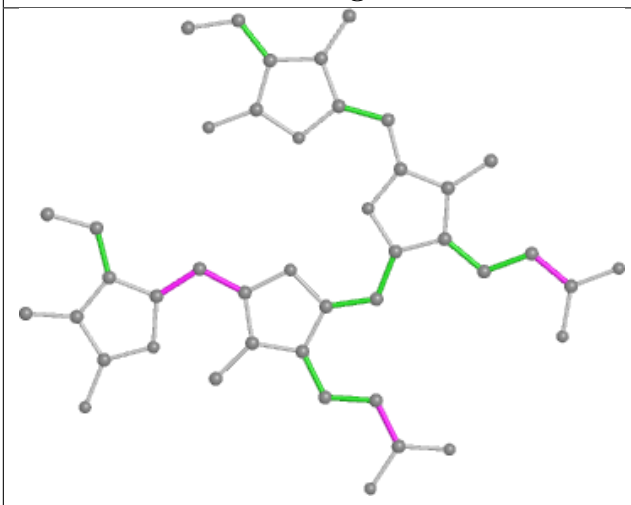

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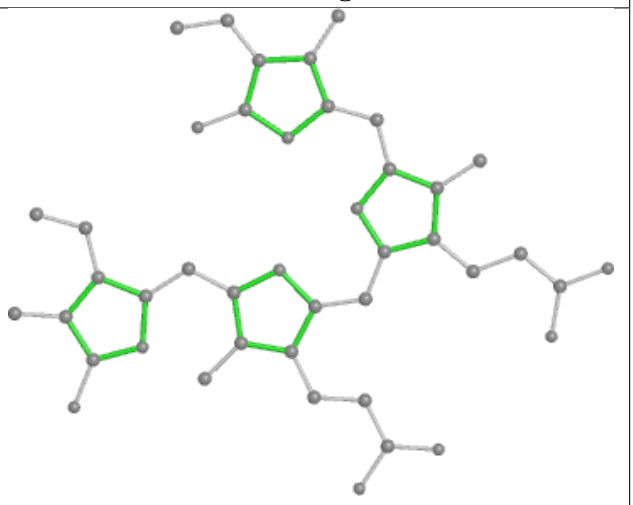

Rings

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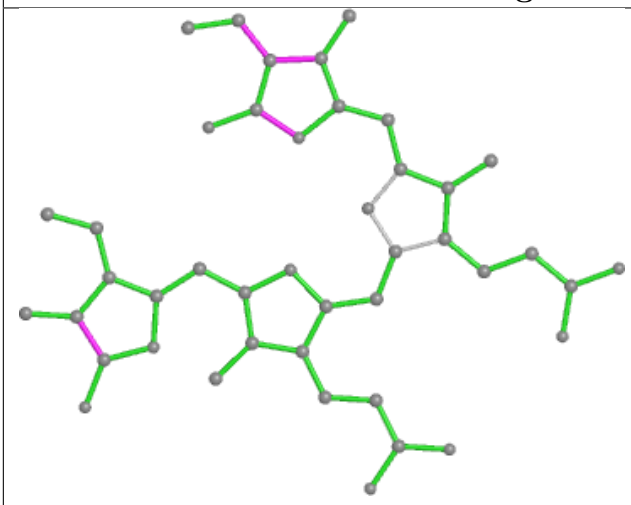

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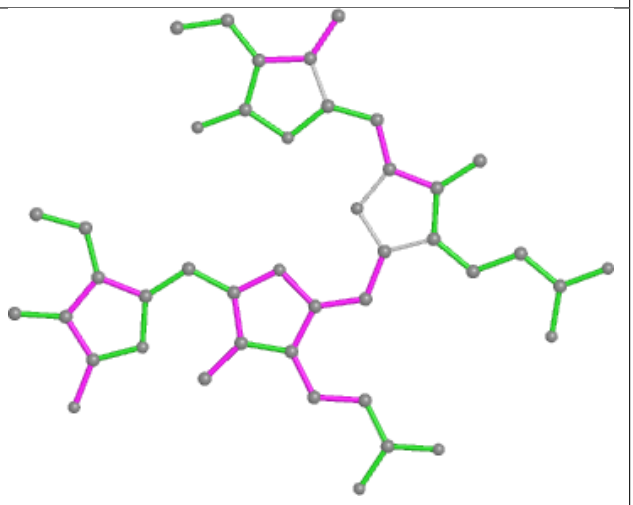

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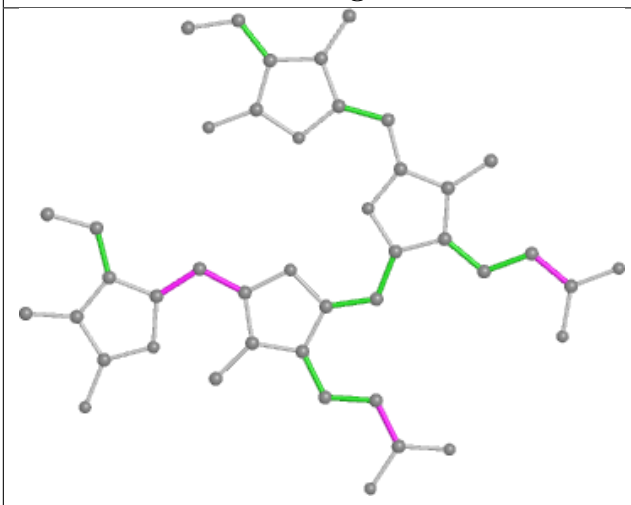

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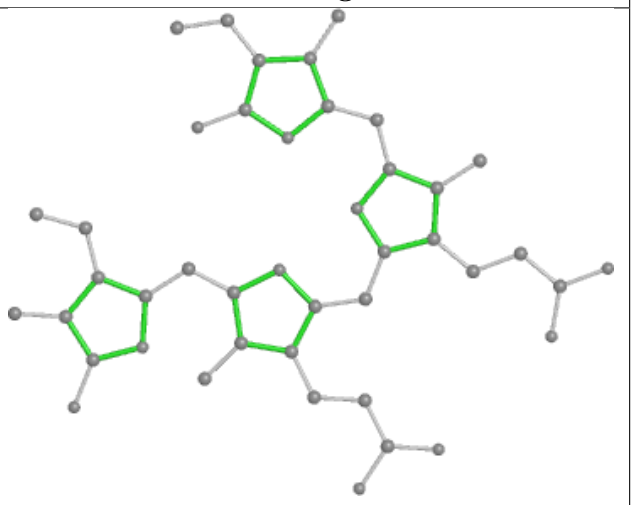
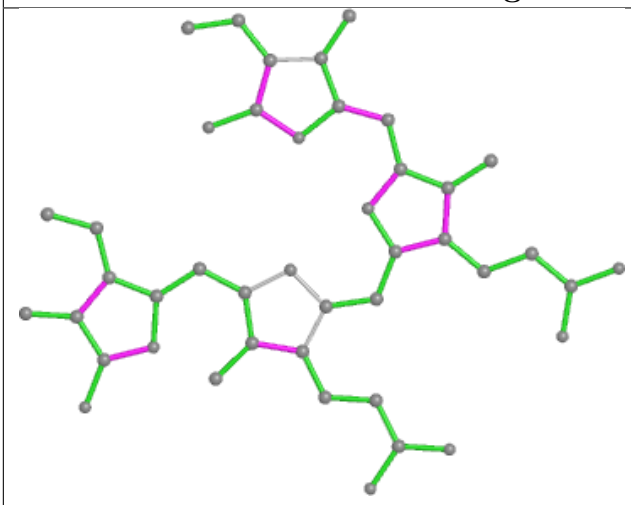


Rings

Ligand PUB kX 1003



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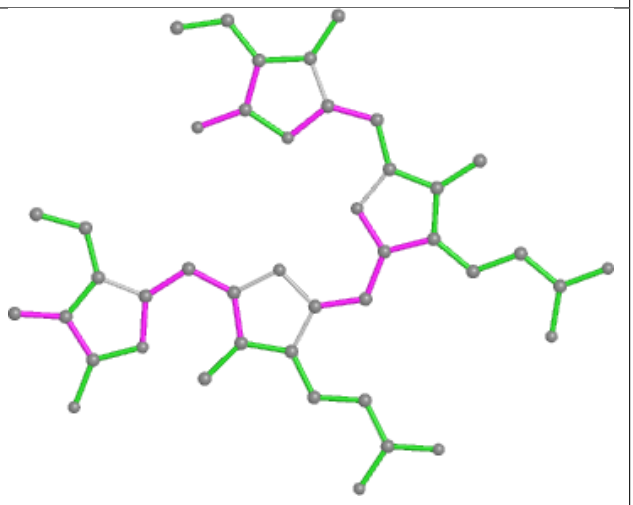

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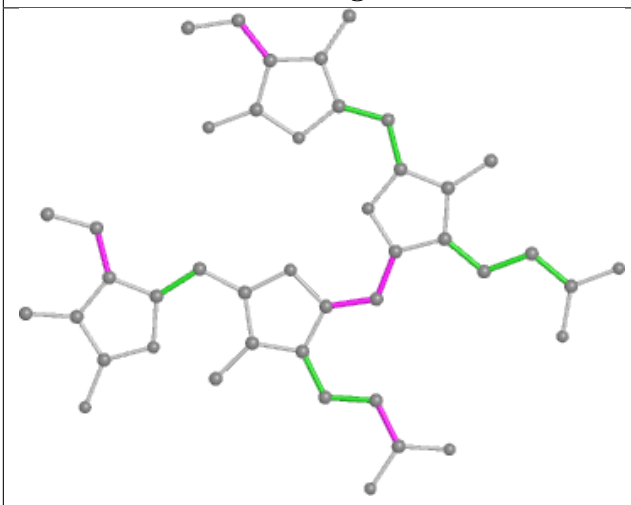

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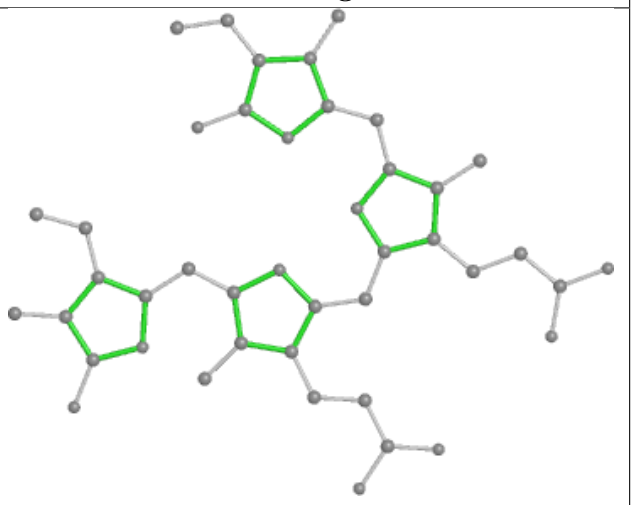
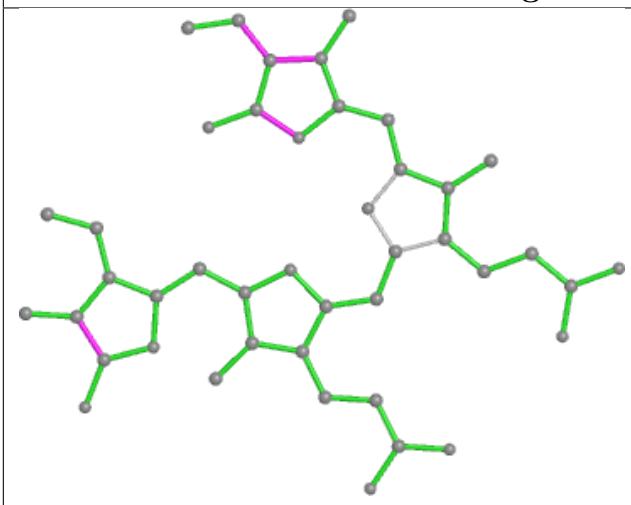


Rings

Ligand PEB I6 201



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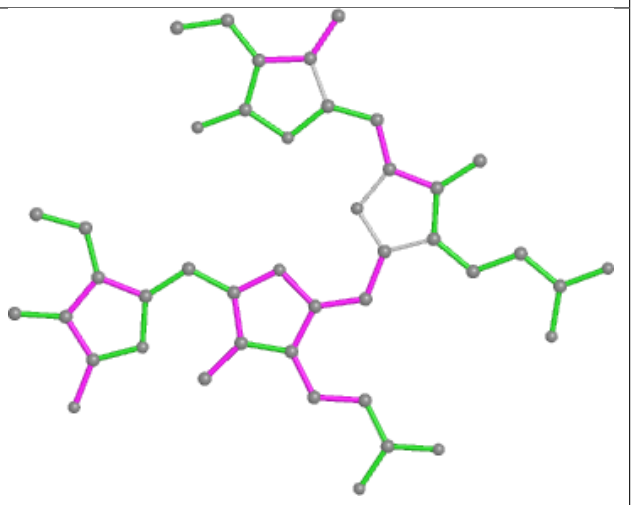

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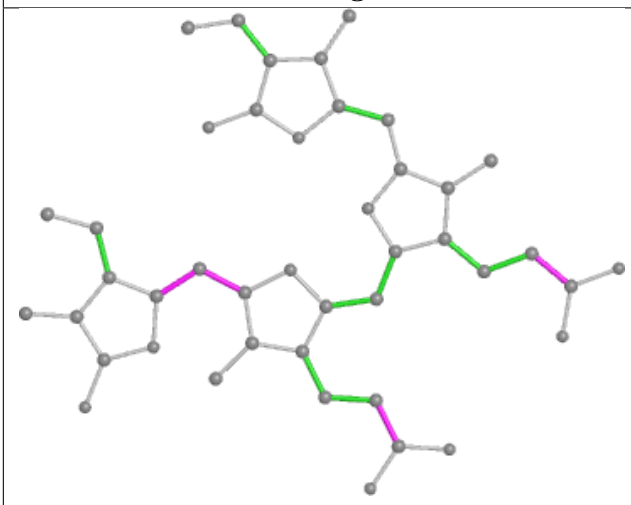

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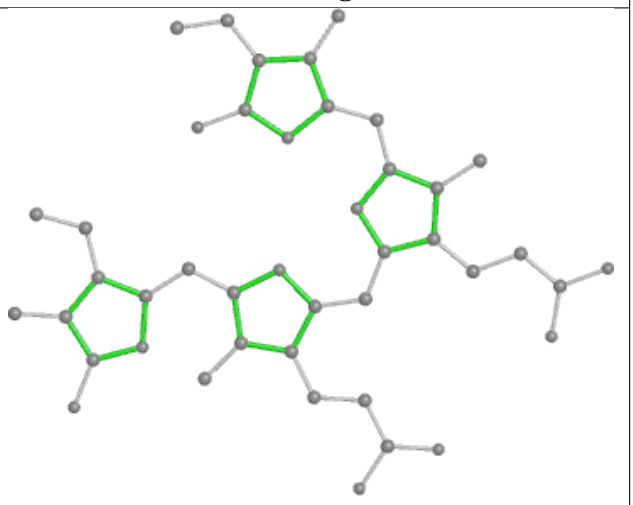
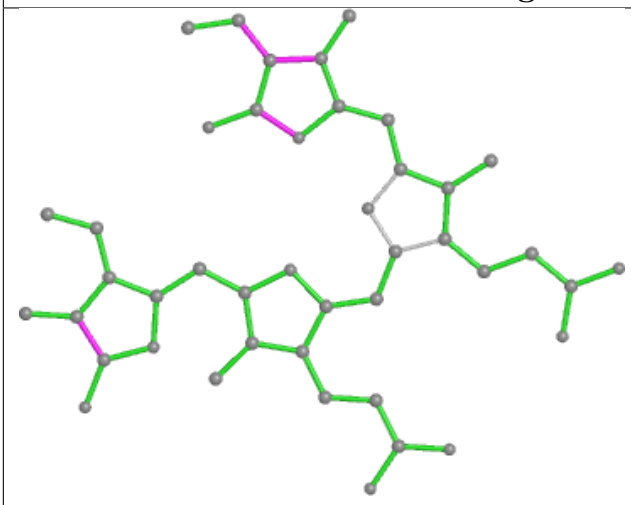


Rings

Ligand PEB Z7 201



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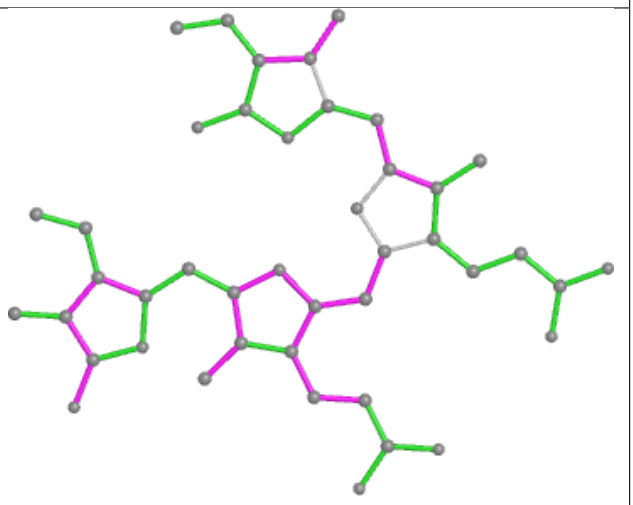

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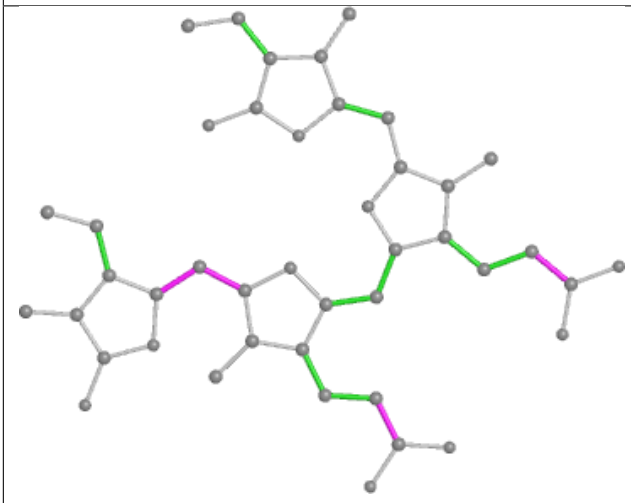

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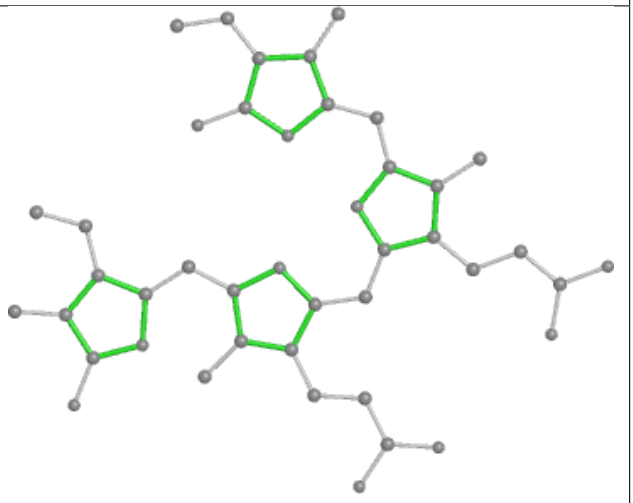
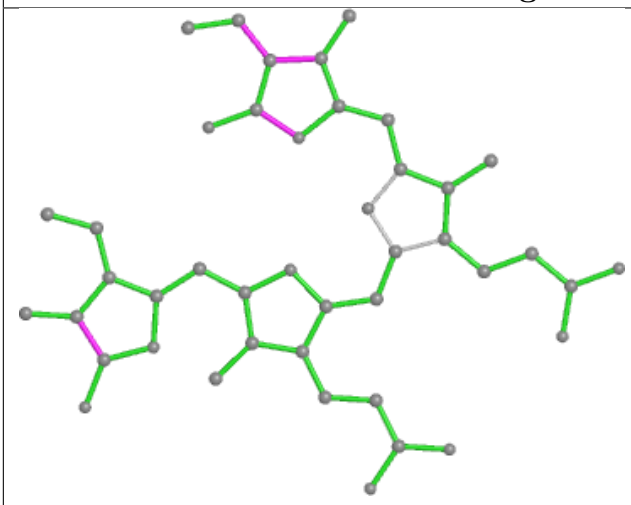


Rings

Ligand PEB x6 201



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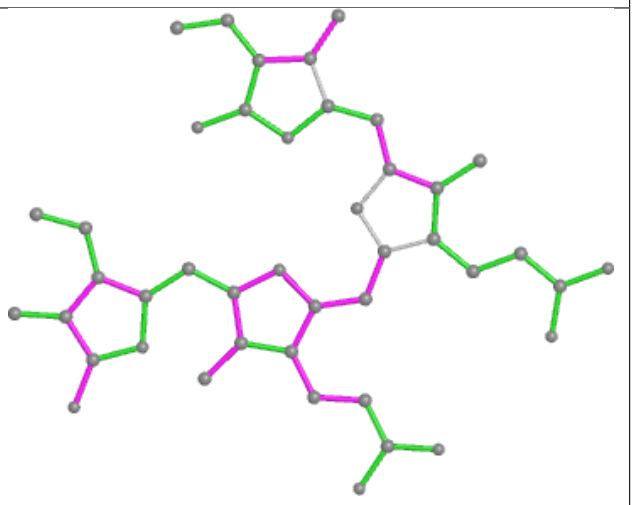

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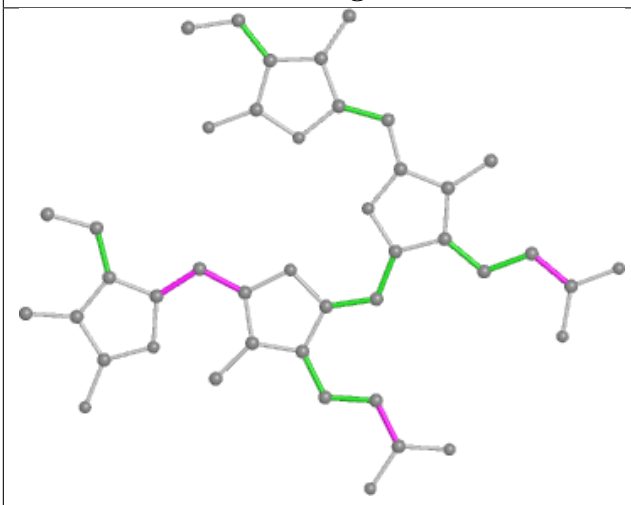

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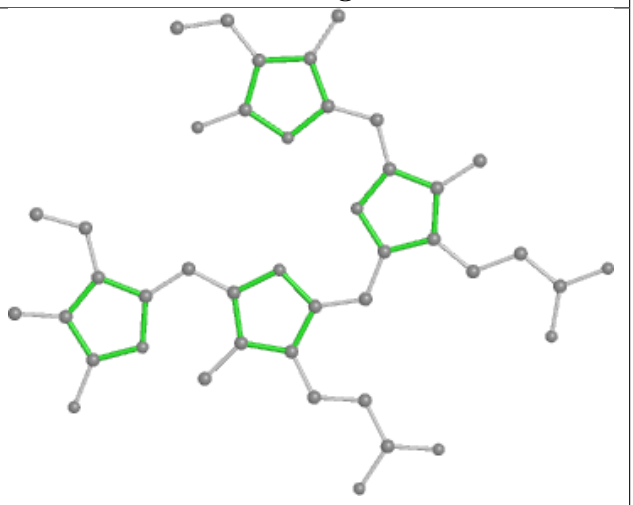
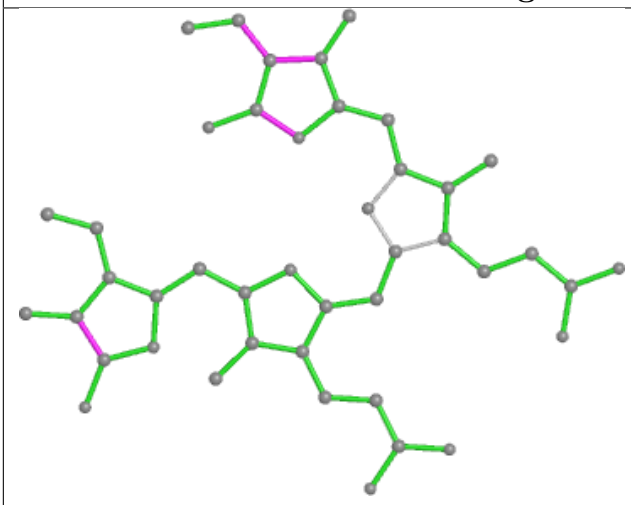


Rings

Ligand PEB aF 201



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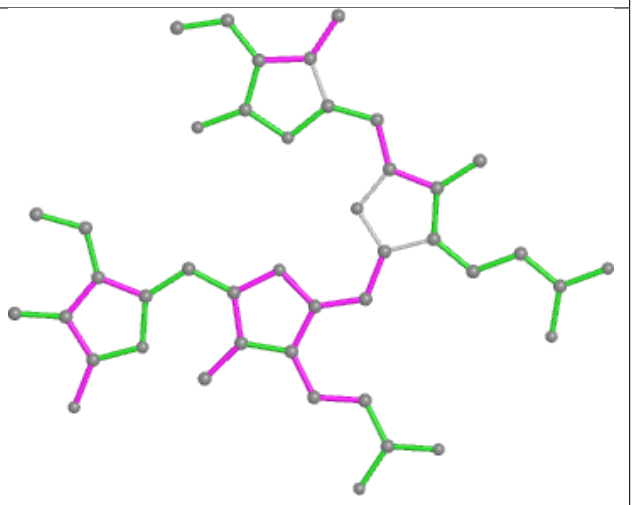

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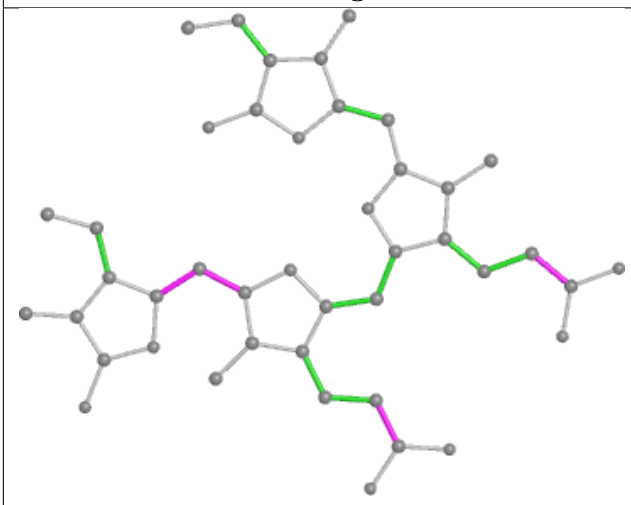
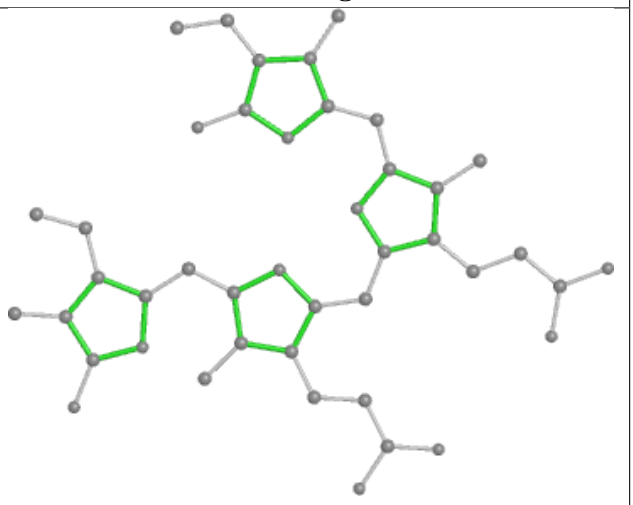
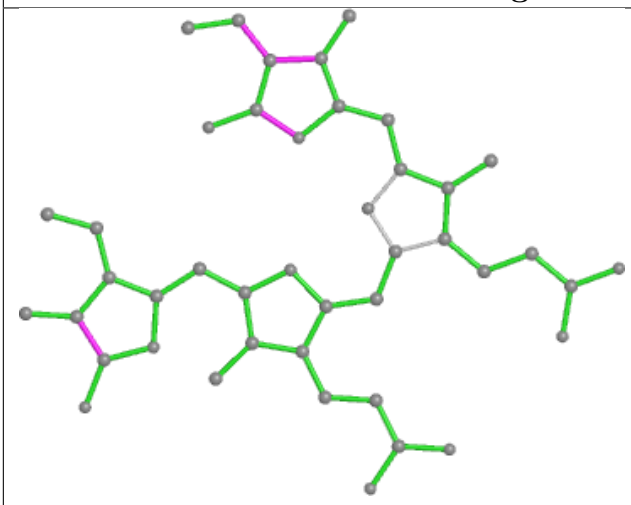


Torsions



Rings

Ligand PEB eW 202



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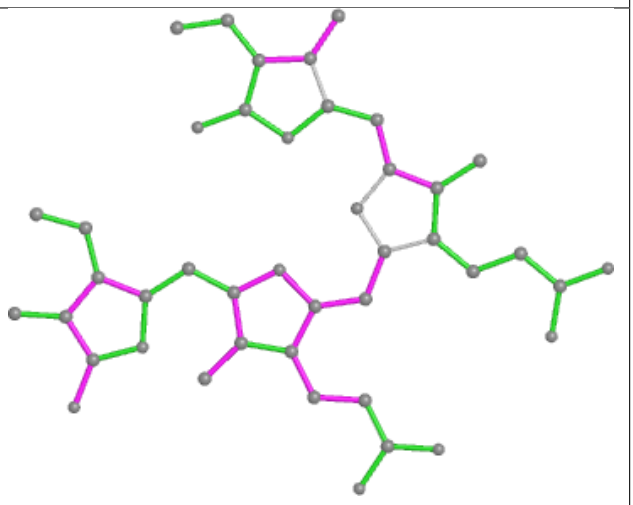

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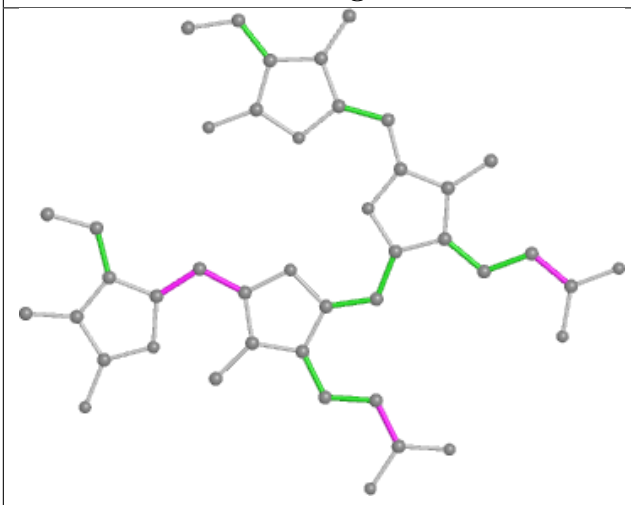

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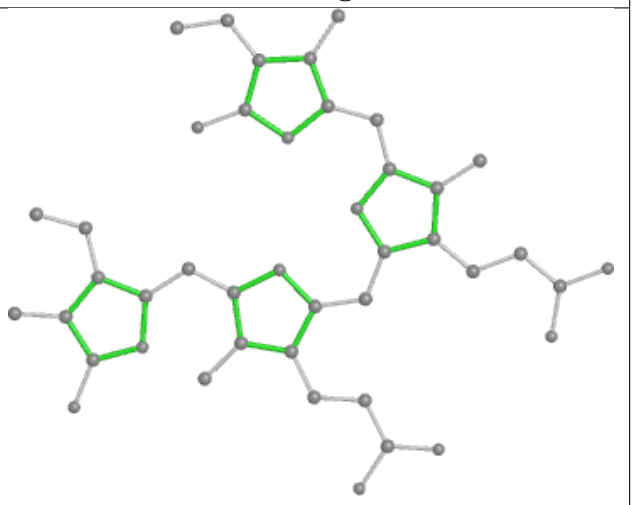
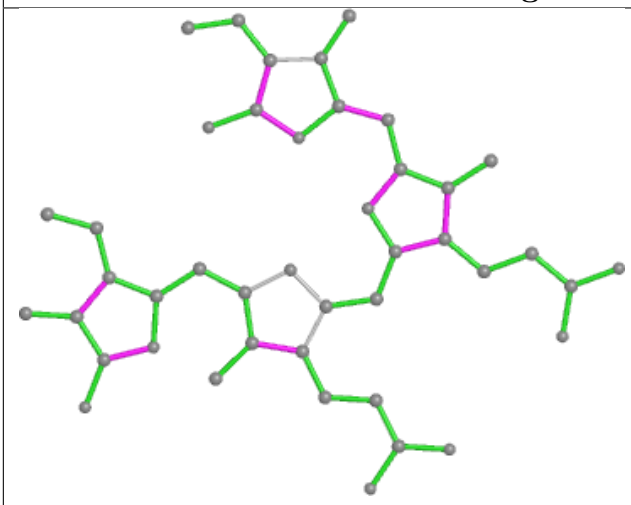


Rings

Ligand PUB f8 203



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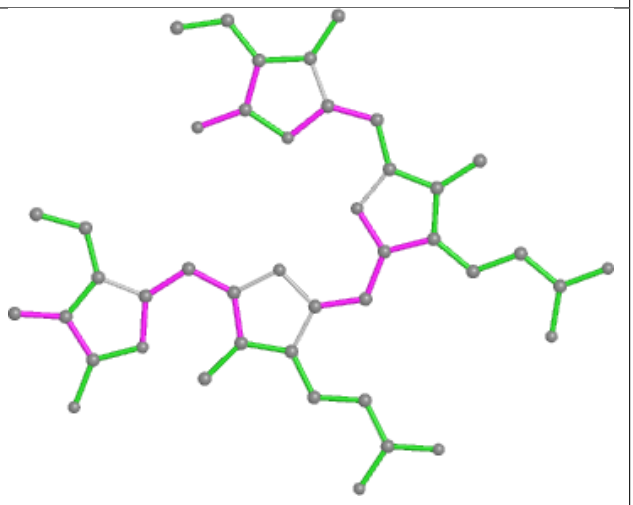

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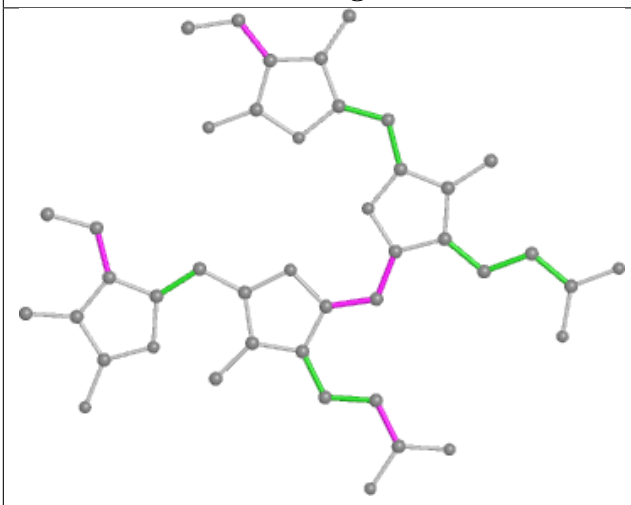

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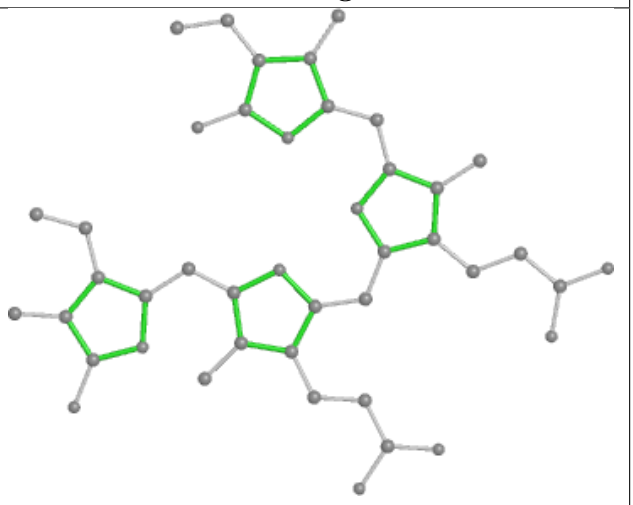

Rings

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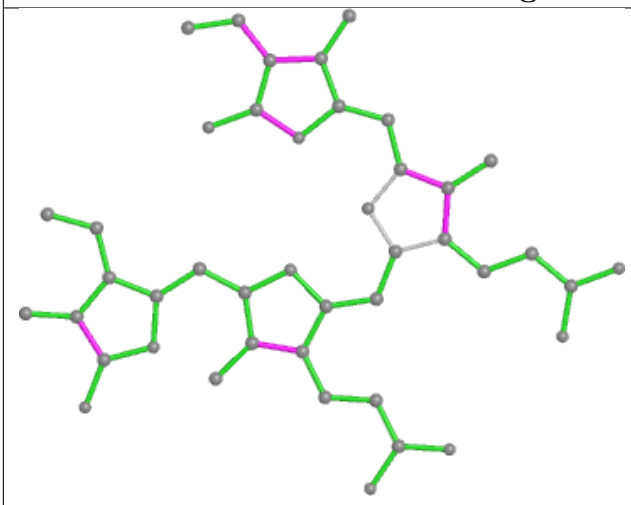

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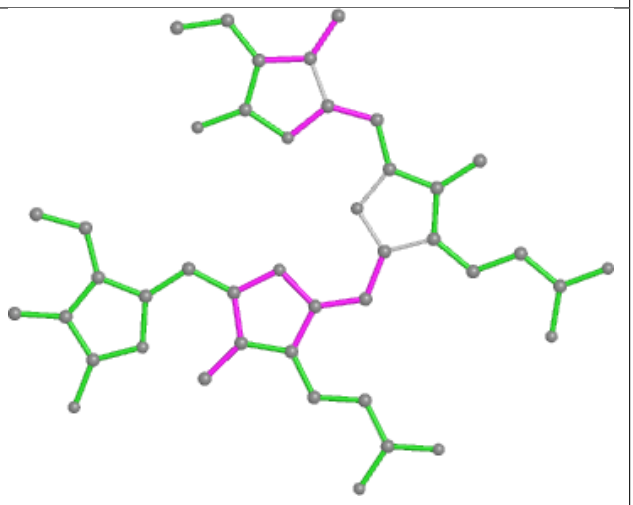

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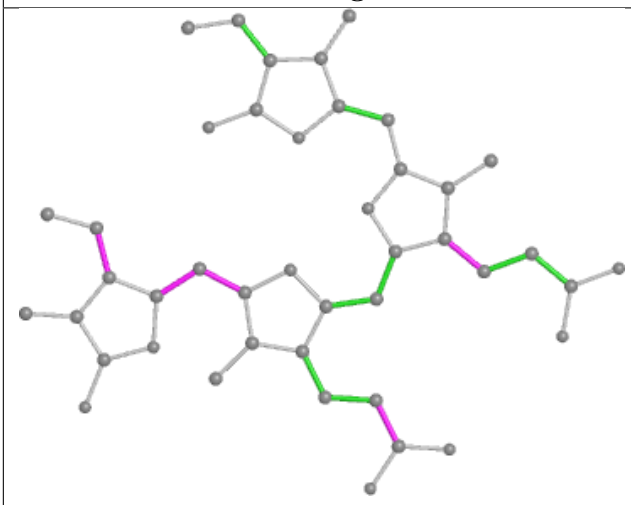

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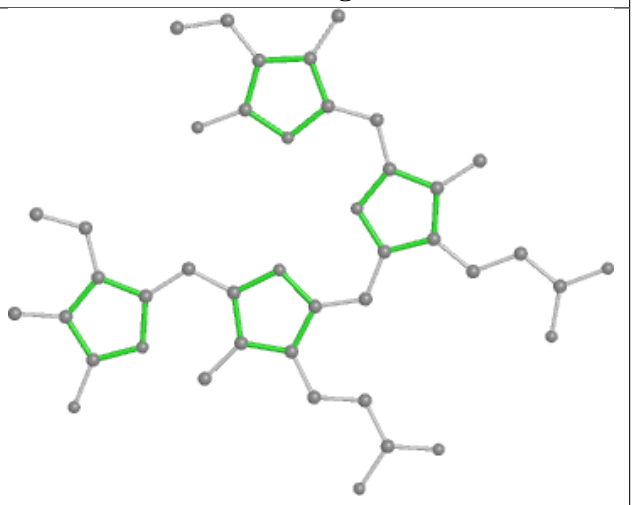

Rings

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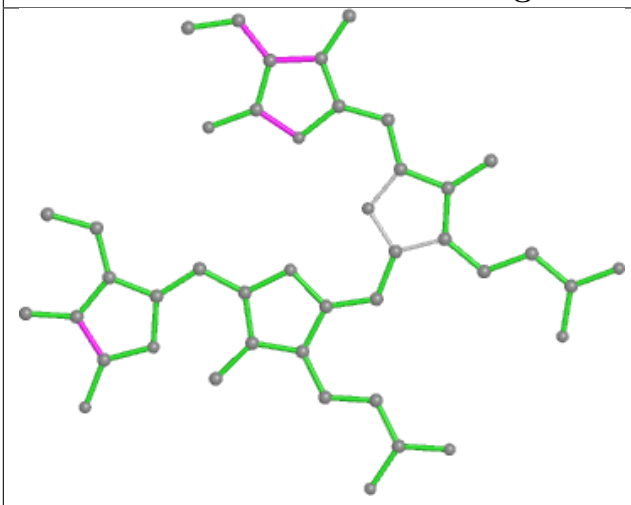

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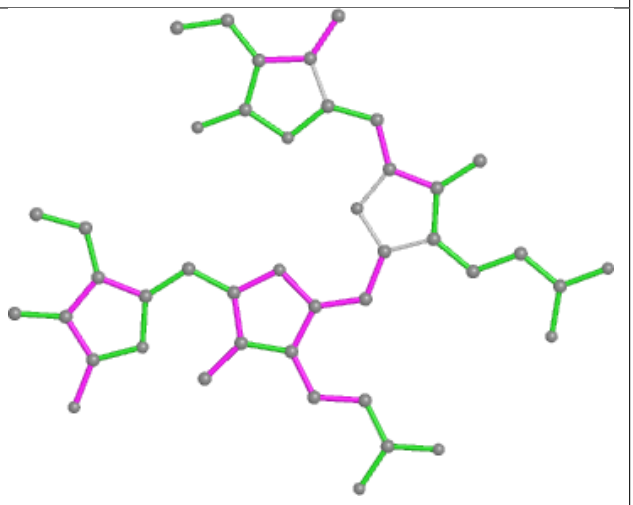

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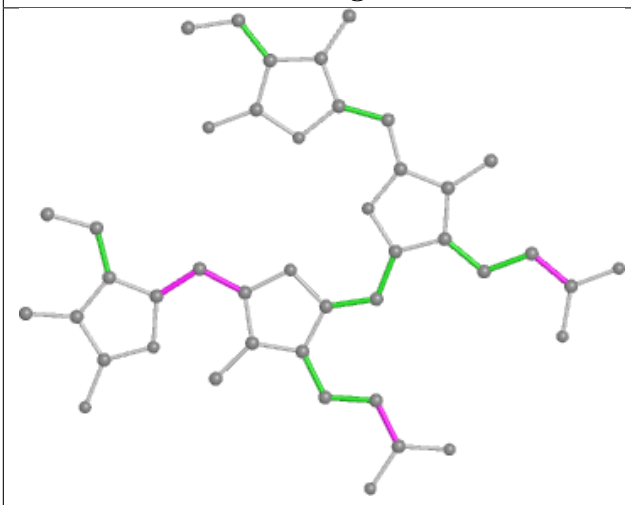

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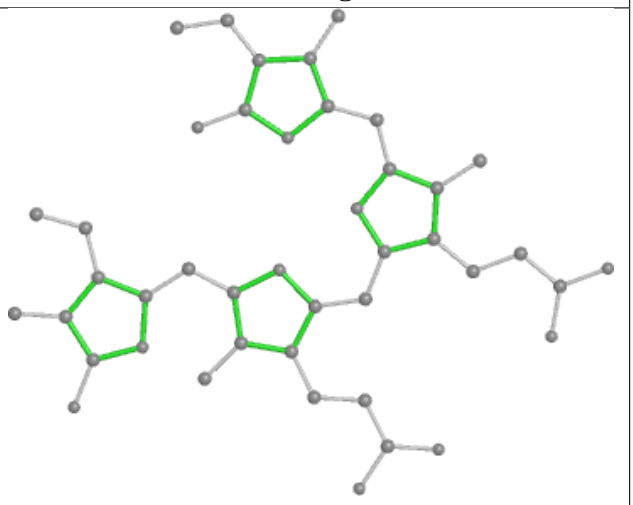

Rings

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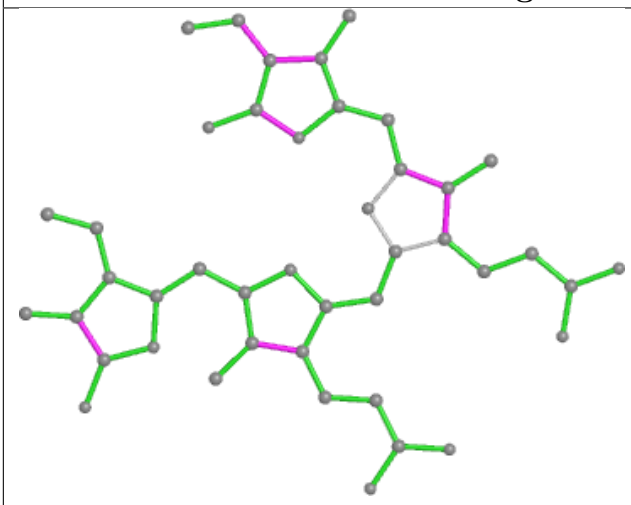

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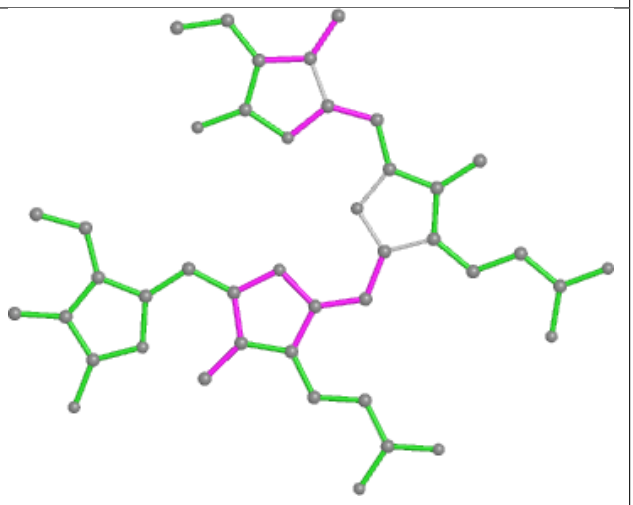

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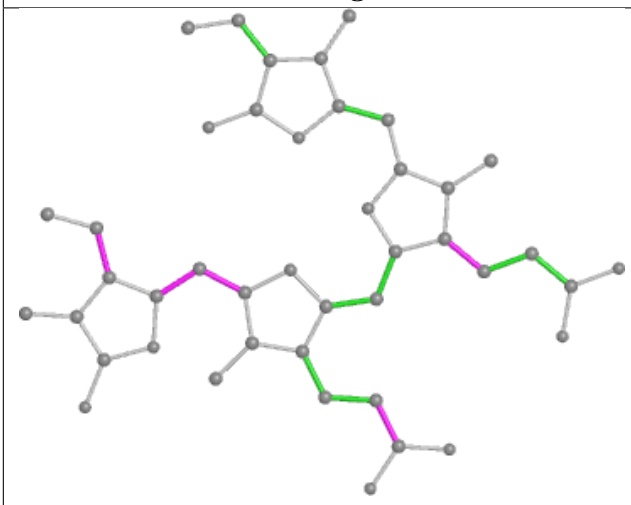

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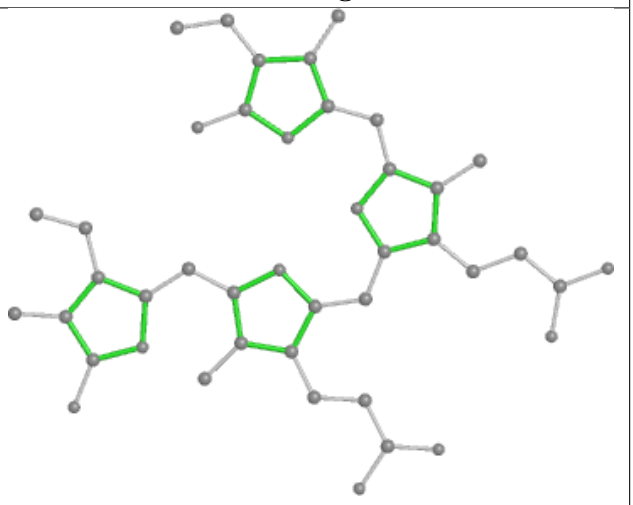

Rings

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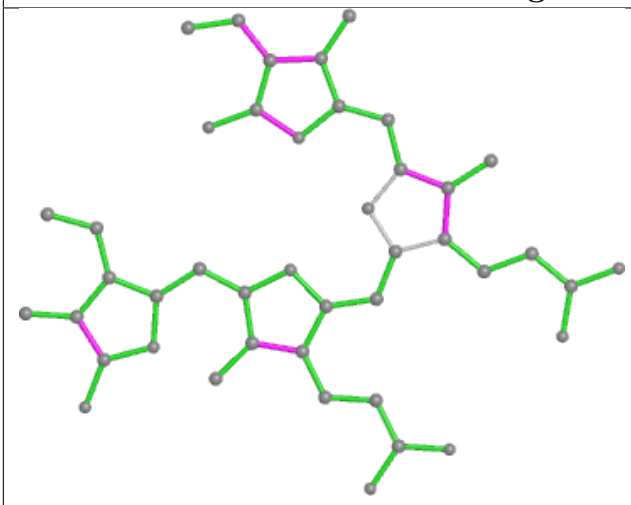

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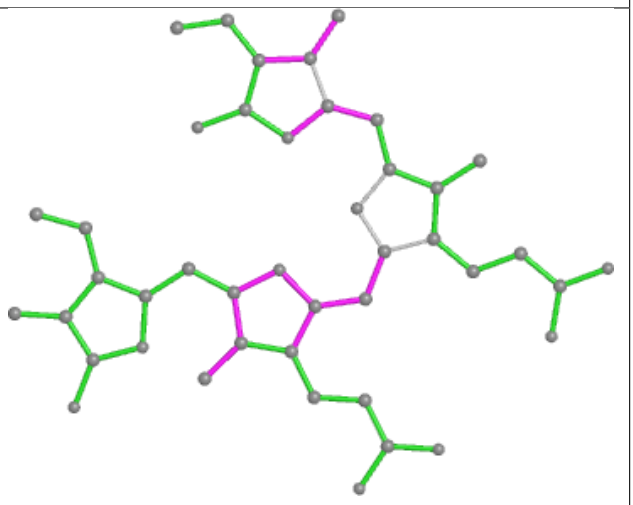

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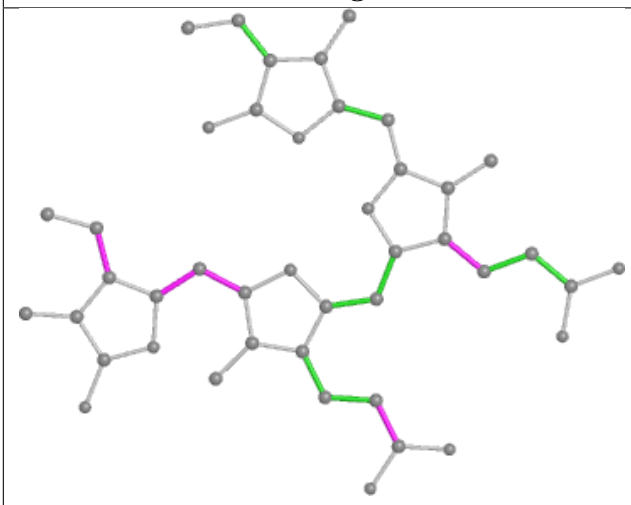

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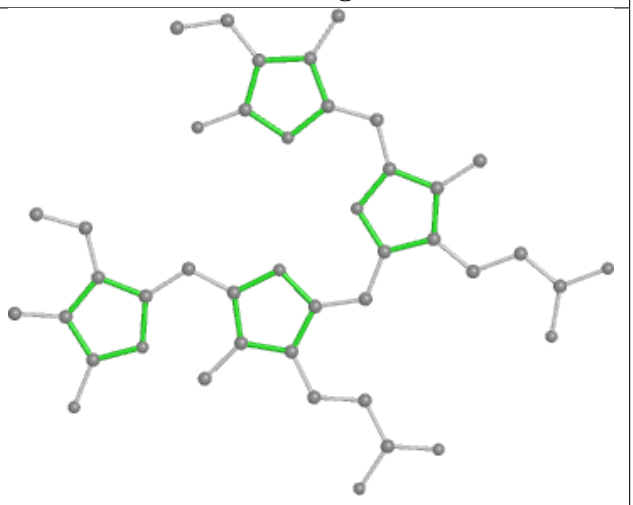

Rings

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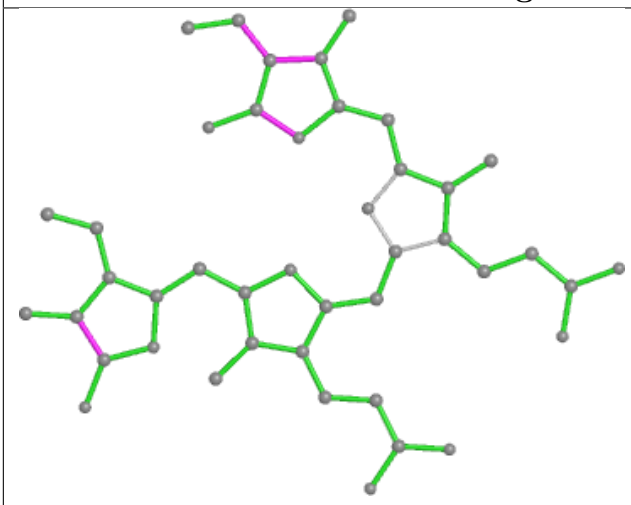

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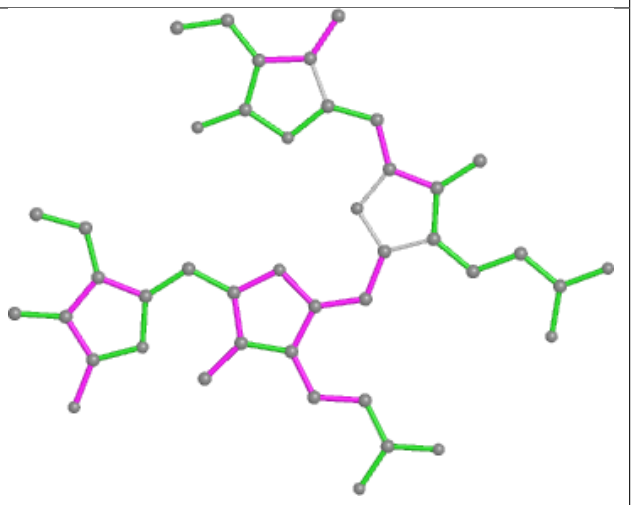

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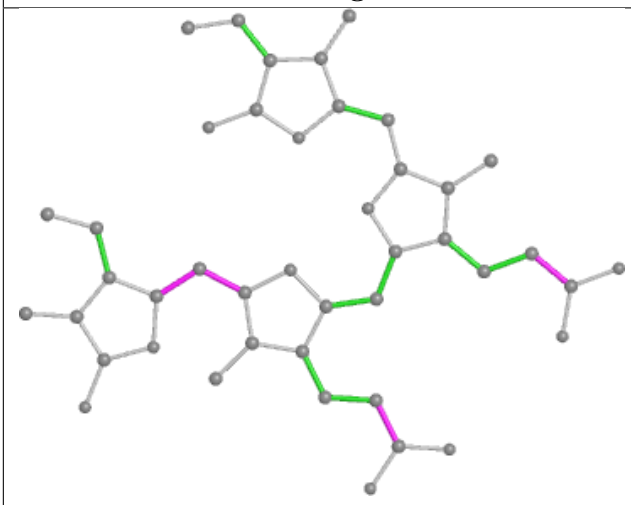

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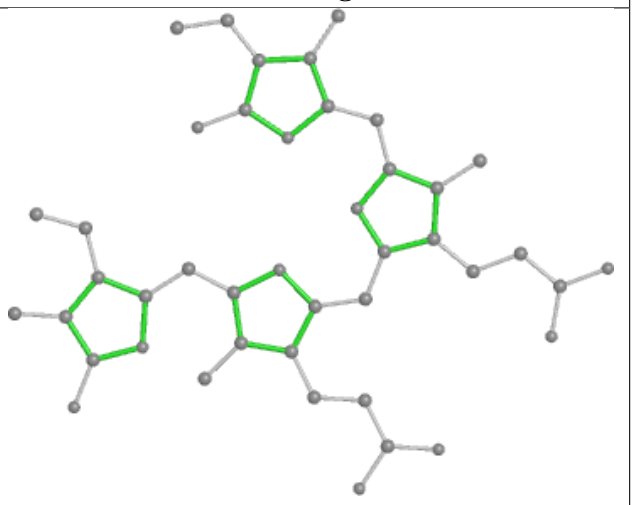

Rings

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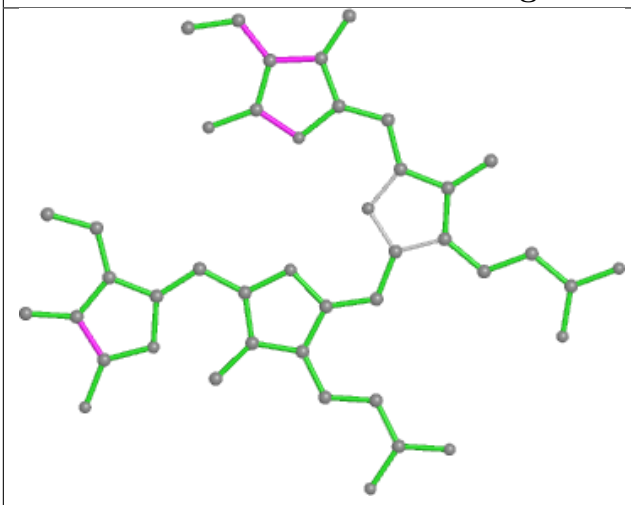

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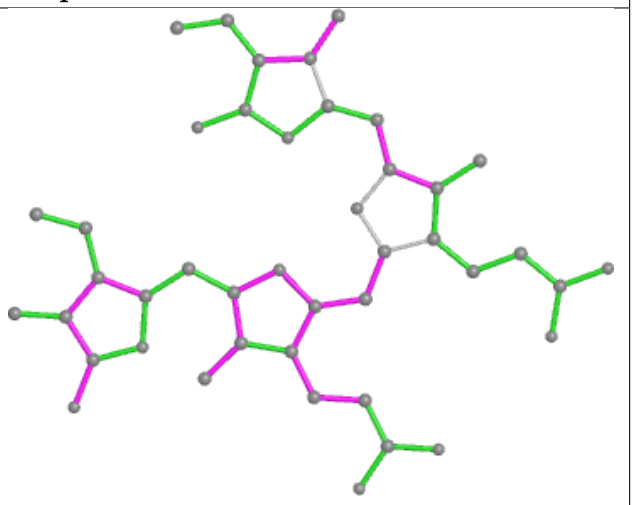

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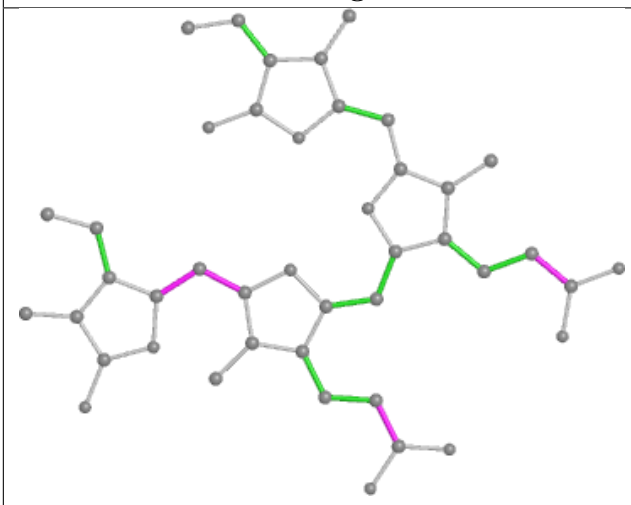

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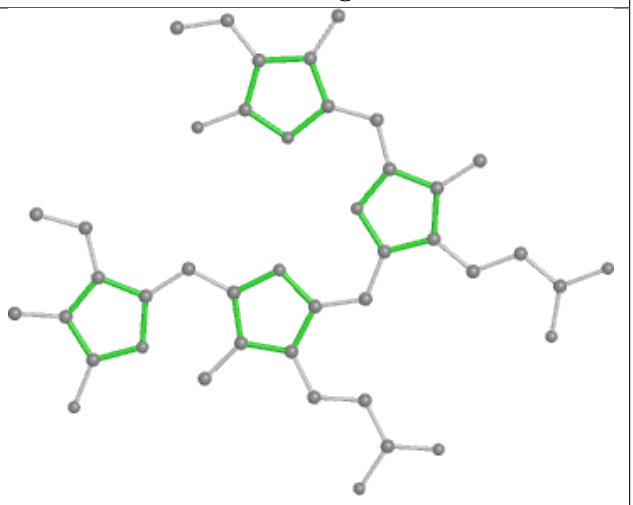

Rings

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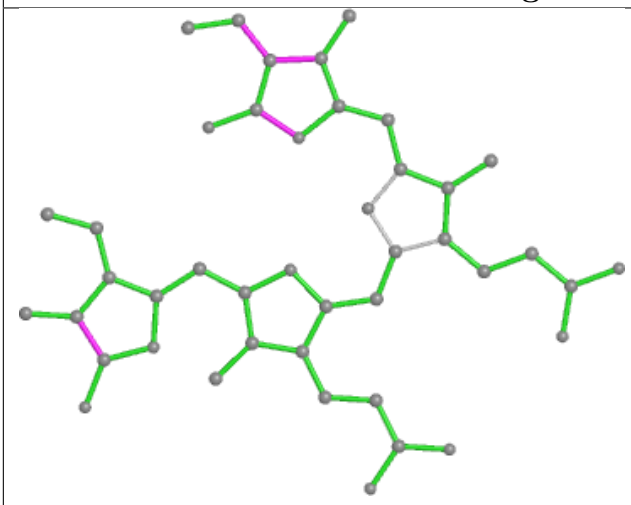

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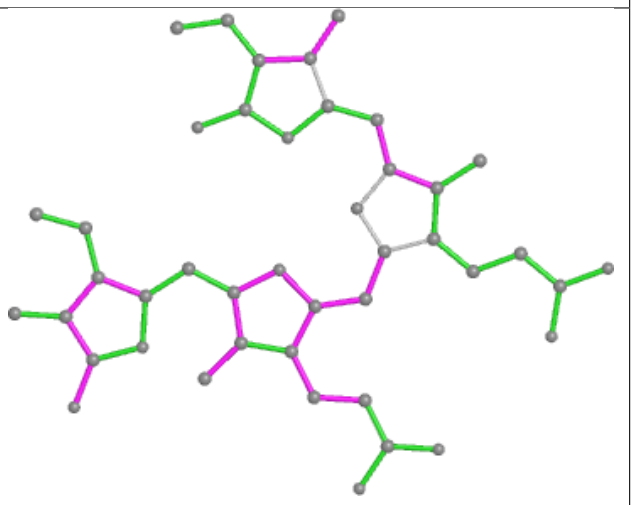

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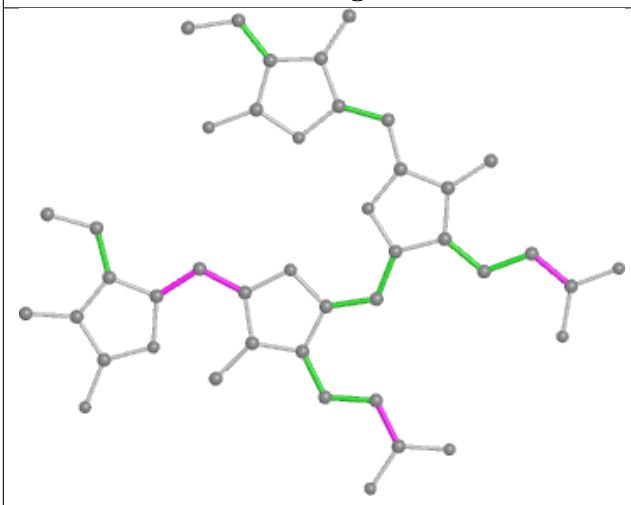

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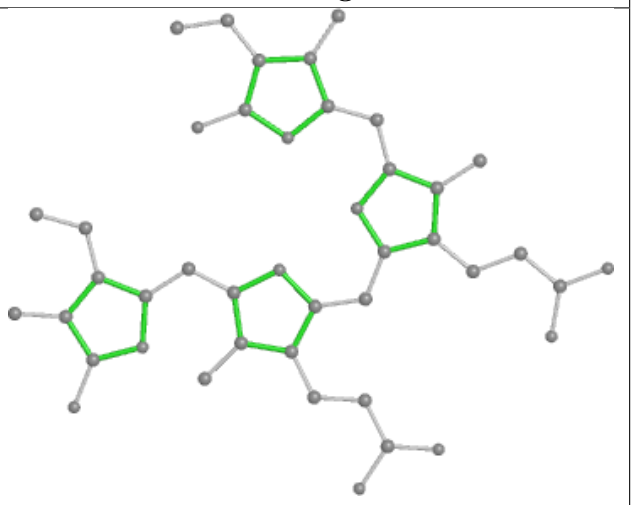

Rings

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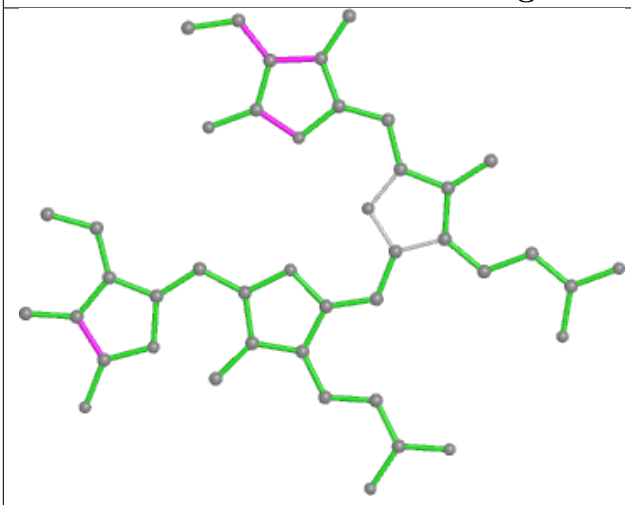

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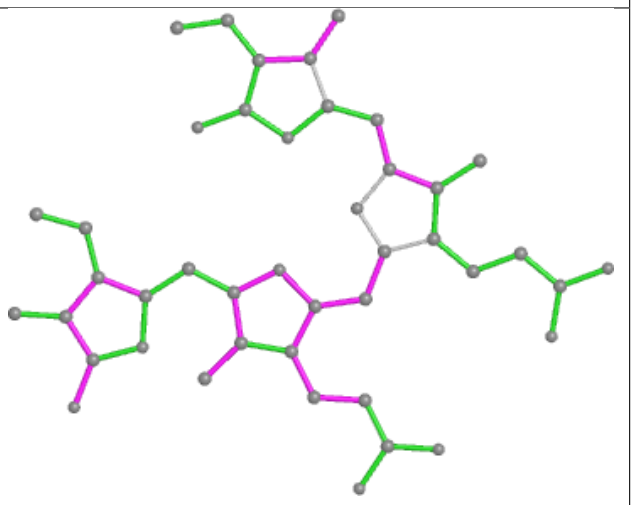

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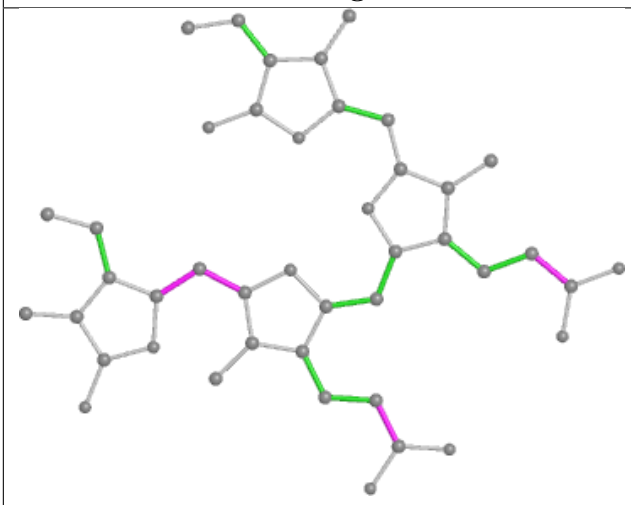

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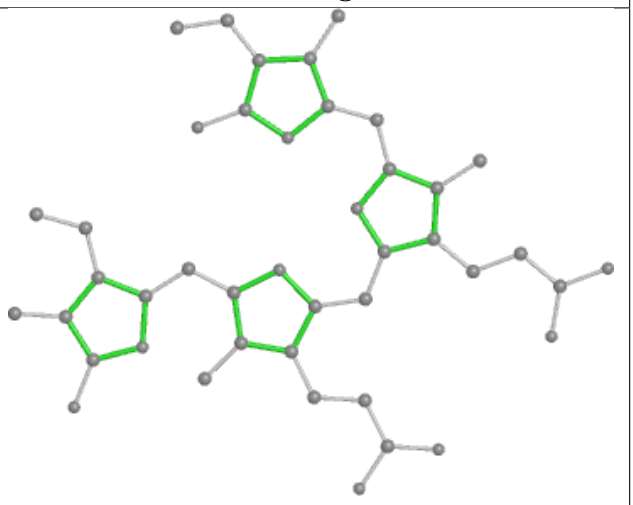
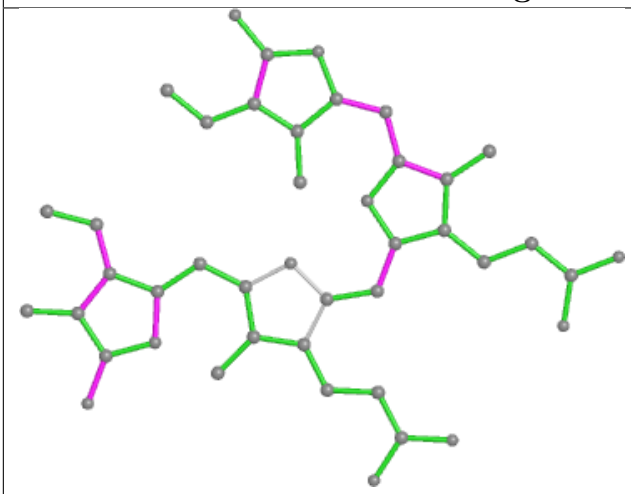


Rings

Ligand PVN bZ 304



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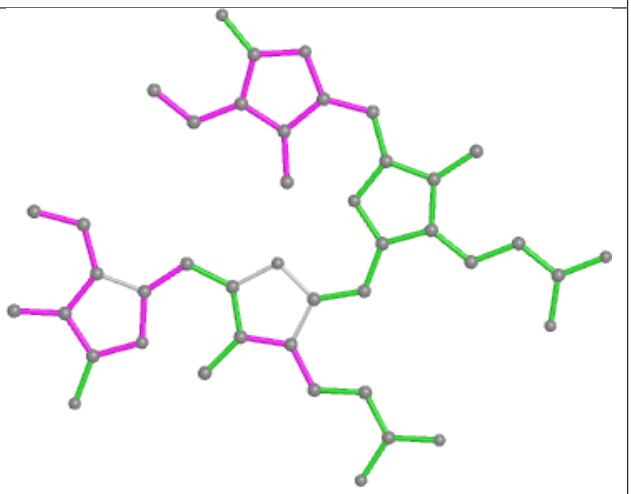

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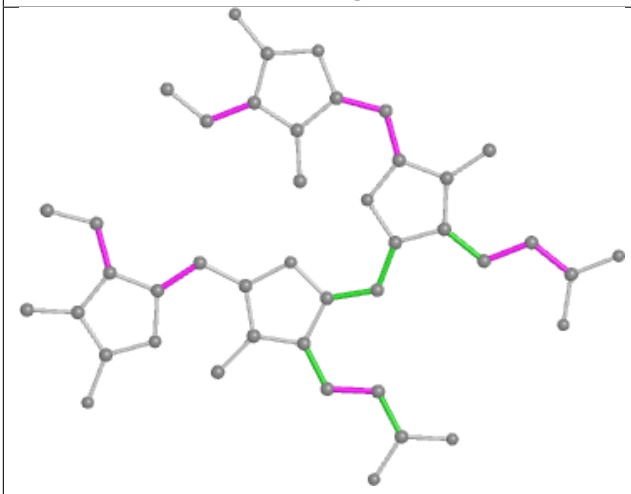

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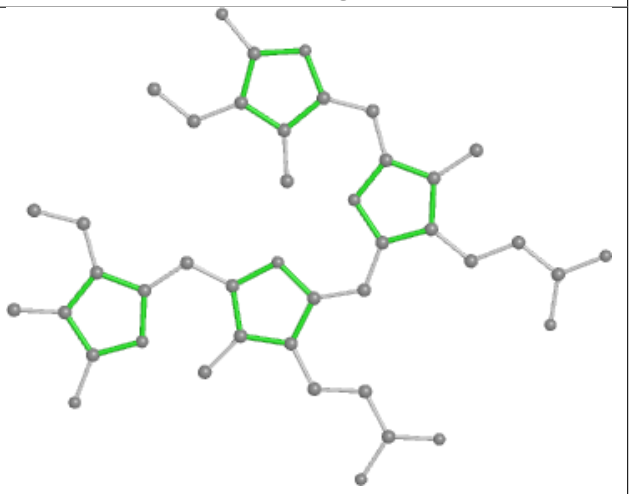

Rings

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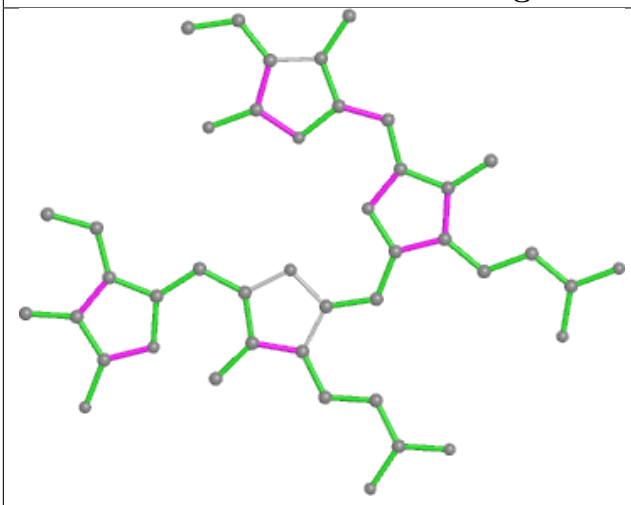

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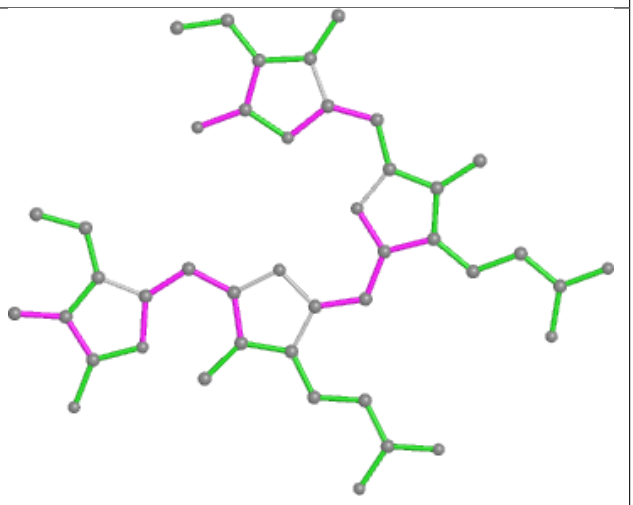

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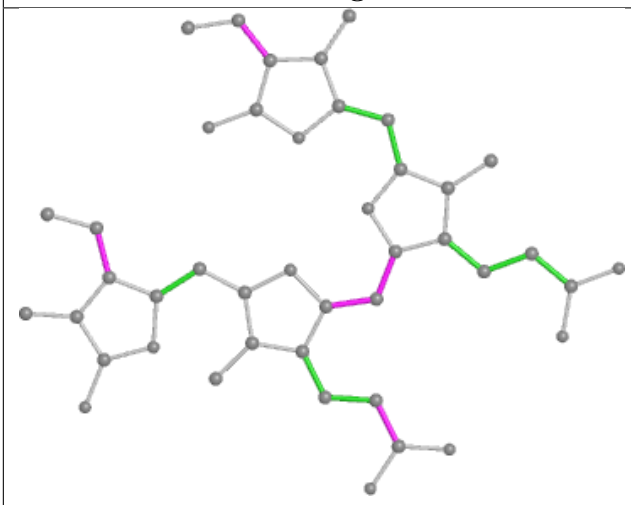

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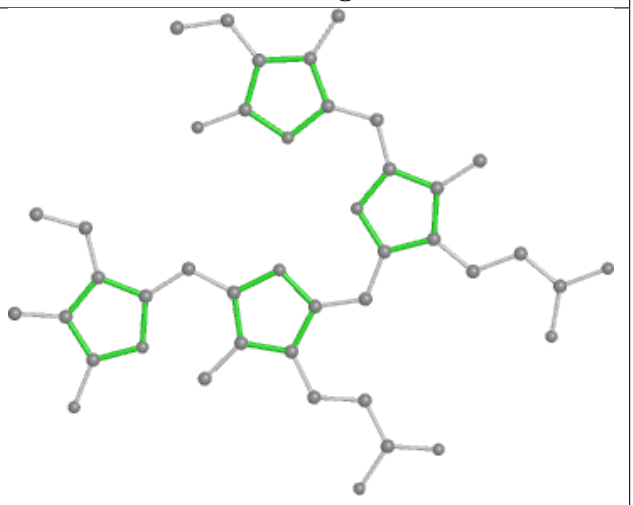
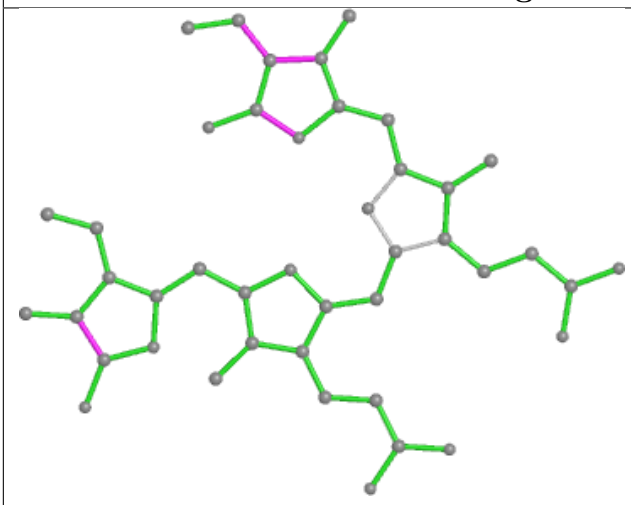
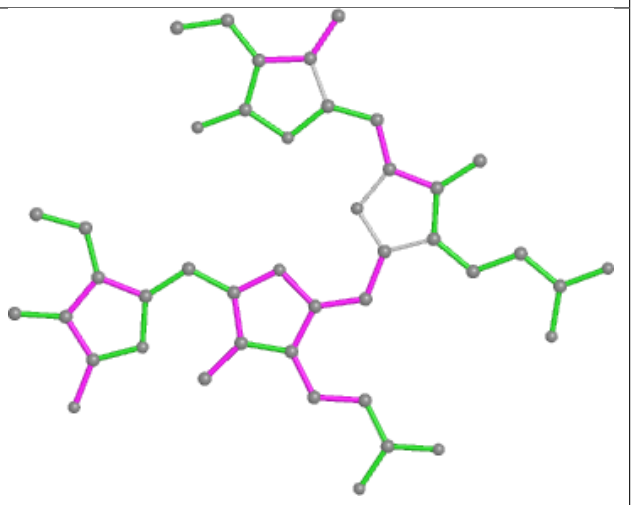


Rings

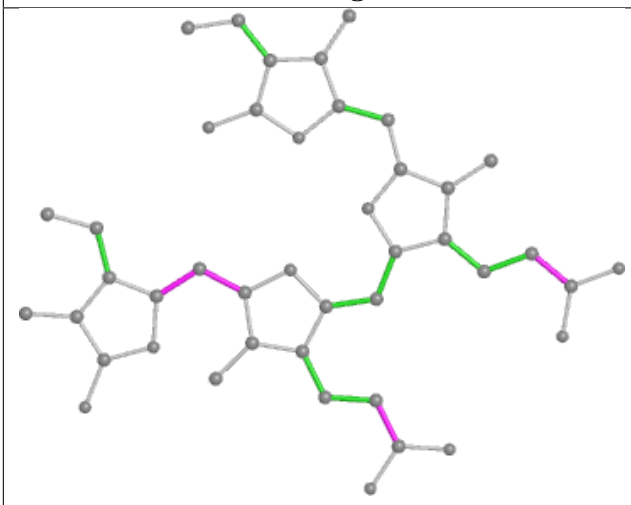
Ligand PEB V2 201



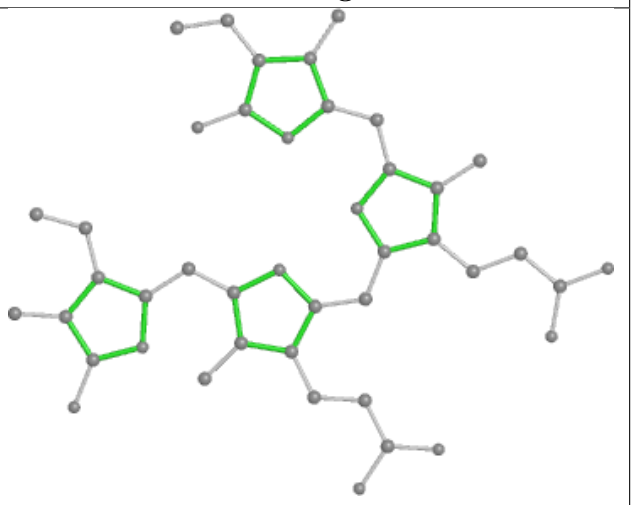
Bond lengths



Bond angles

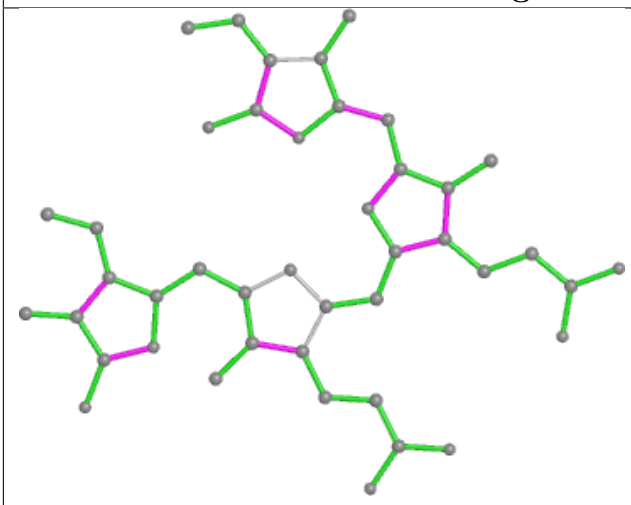


Torsions



Rings

Ligand PUB dV 203



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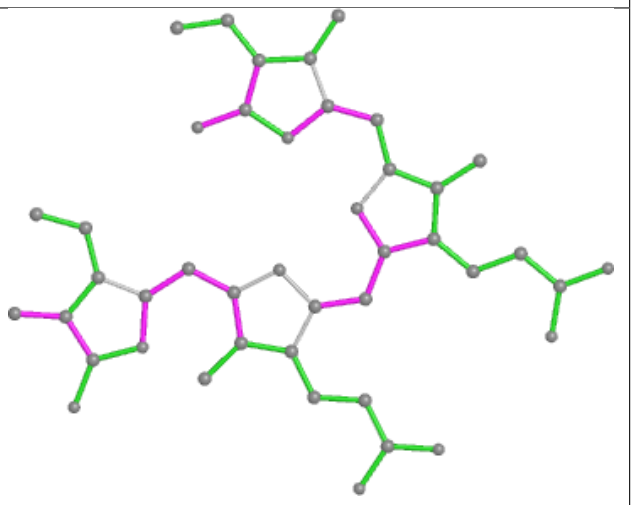

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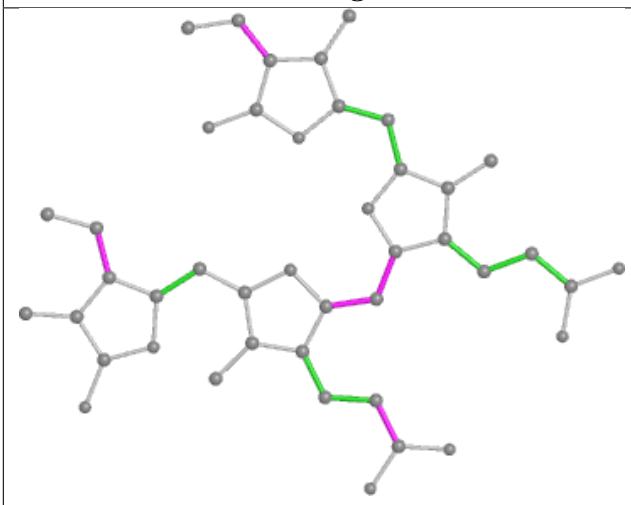

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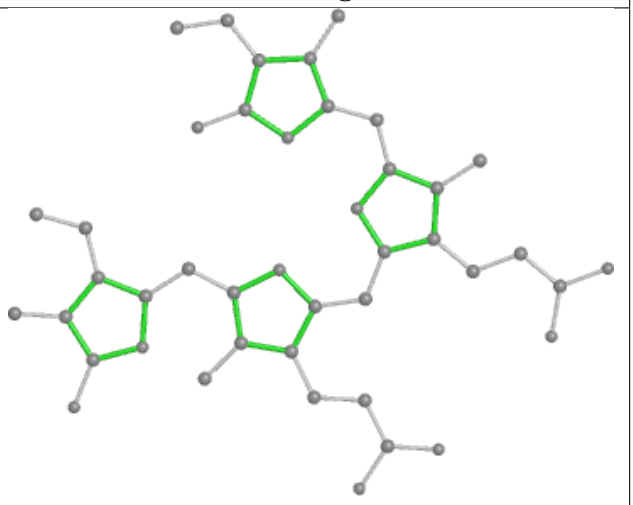
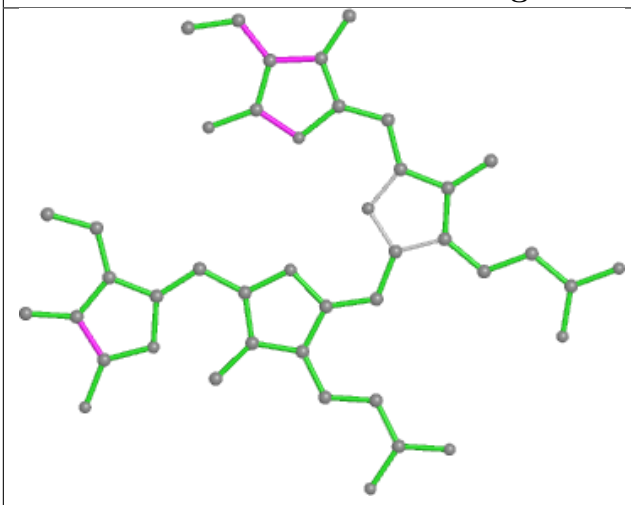


Rings

Ligand PEB o2 1001



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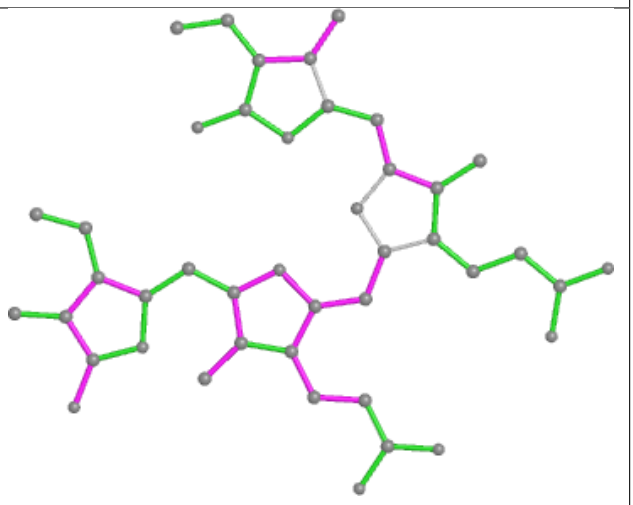

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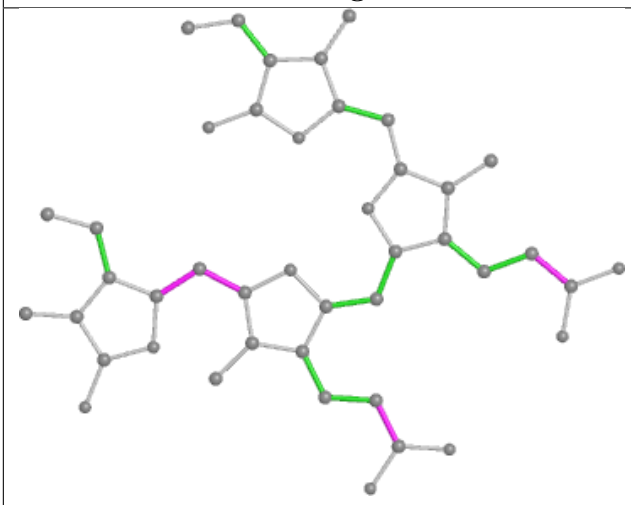

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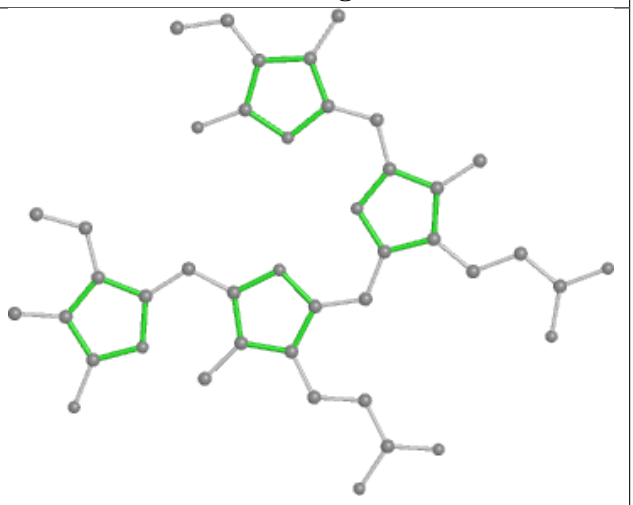
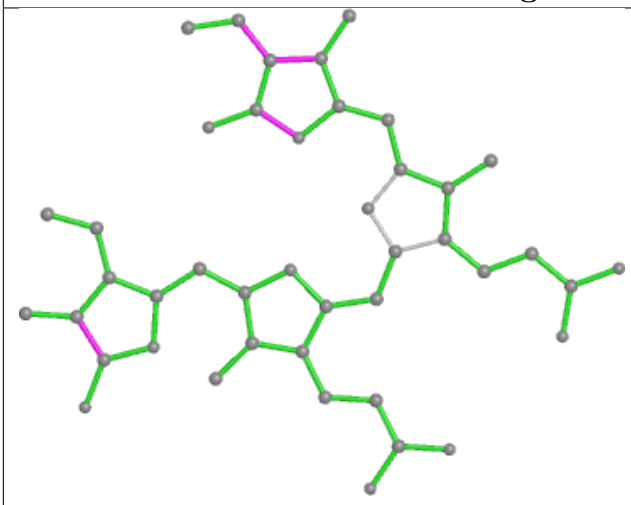


Rings

Ligand PEB a5 201



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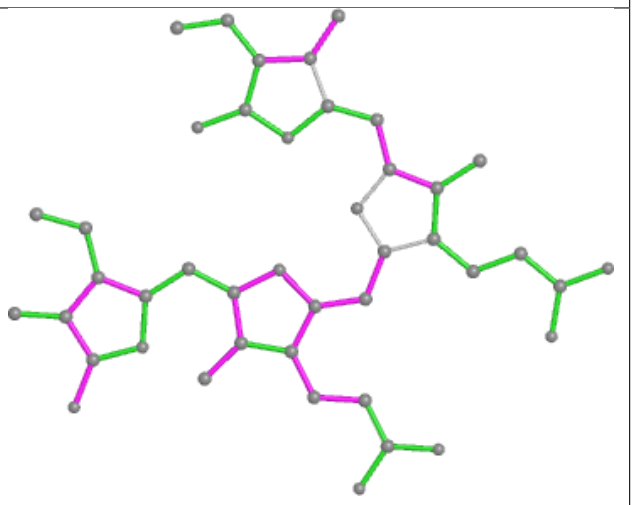

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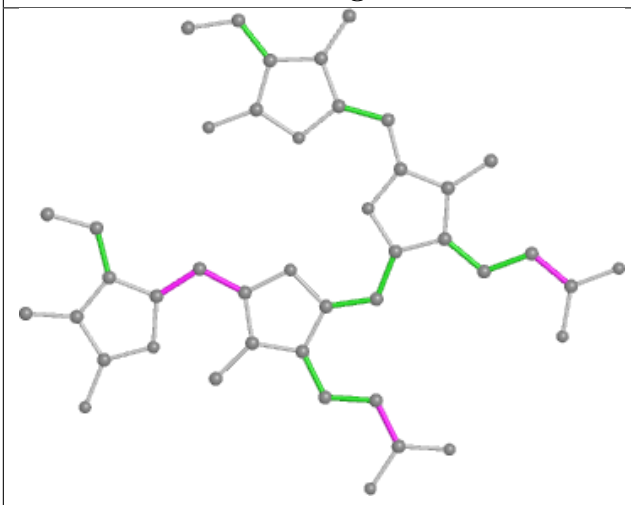

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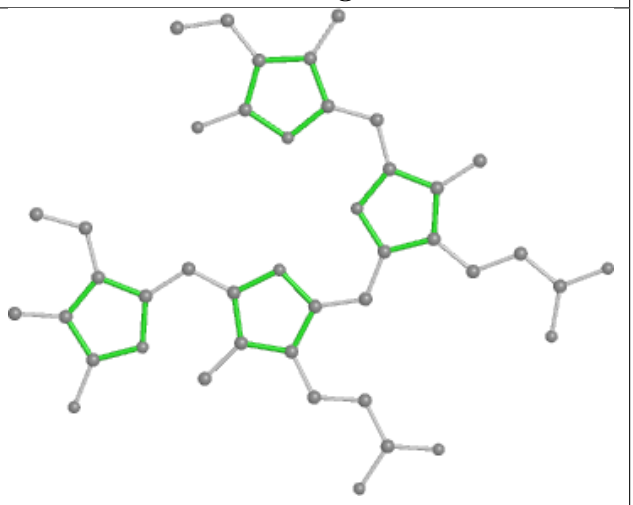
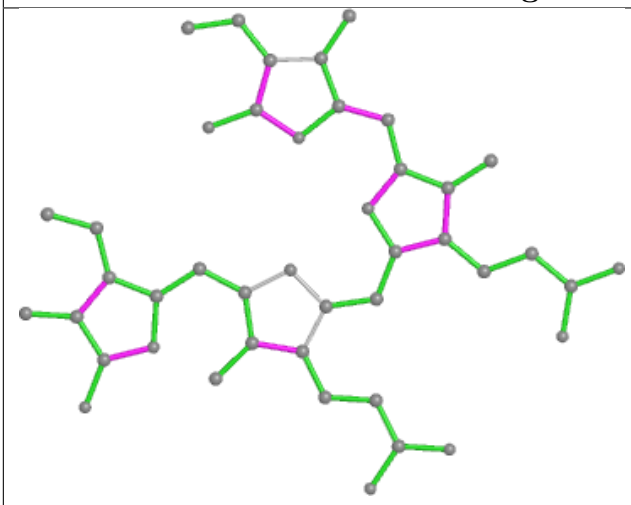


Rings

Ligand PUB j3 202



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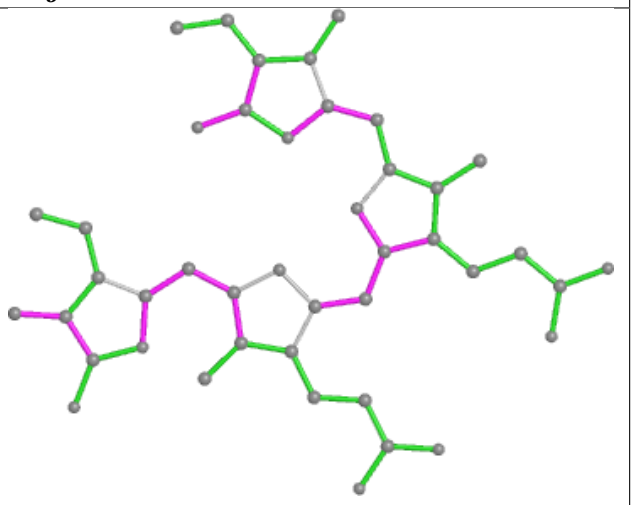

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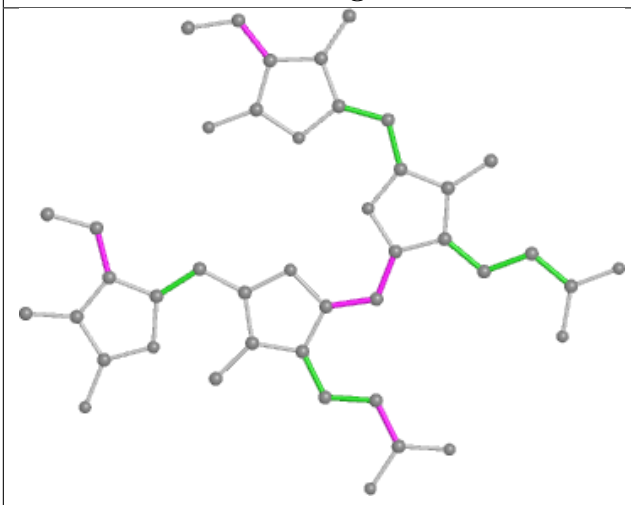

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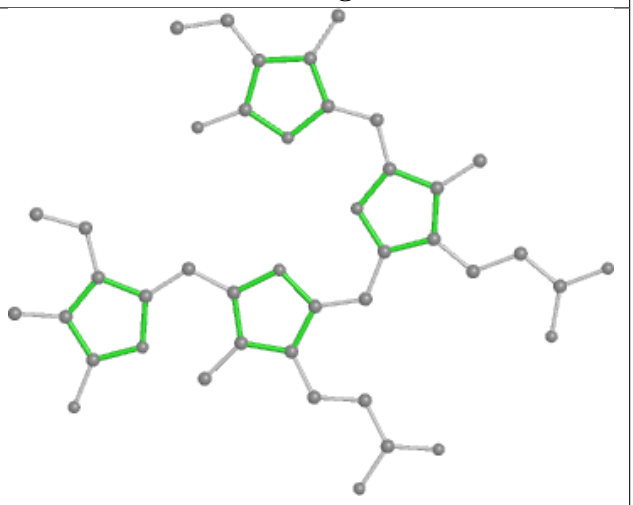
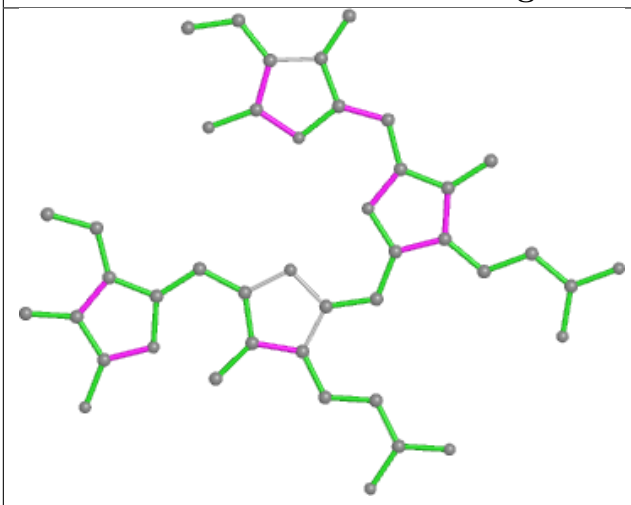


Rings

Ligand PUB gy 306



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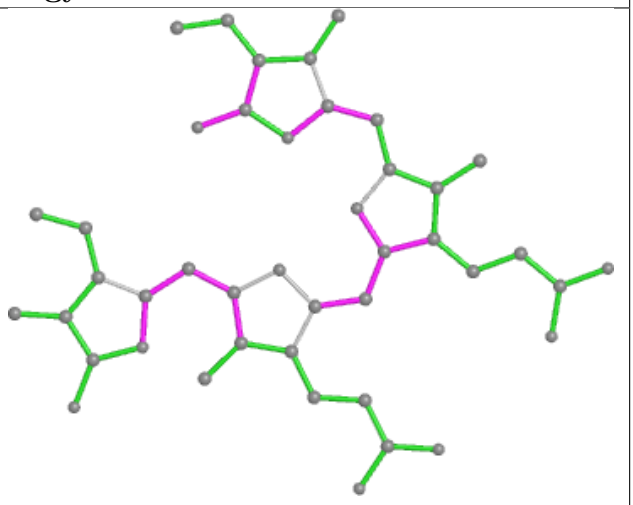

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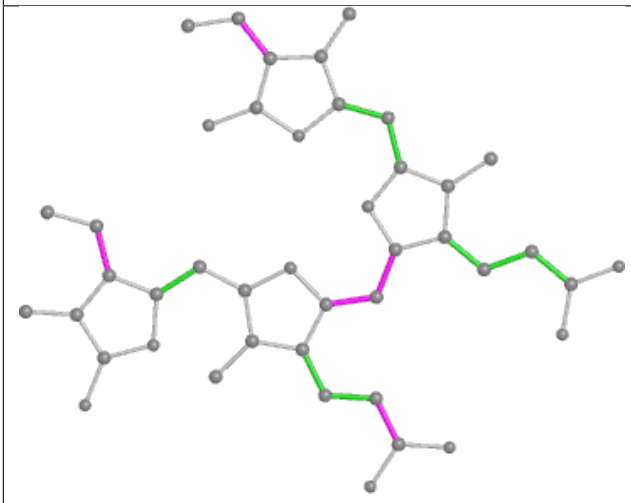

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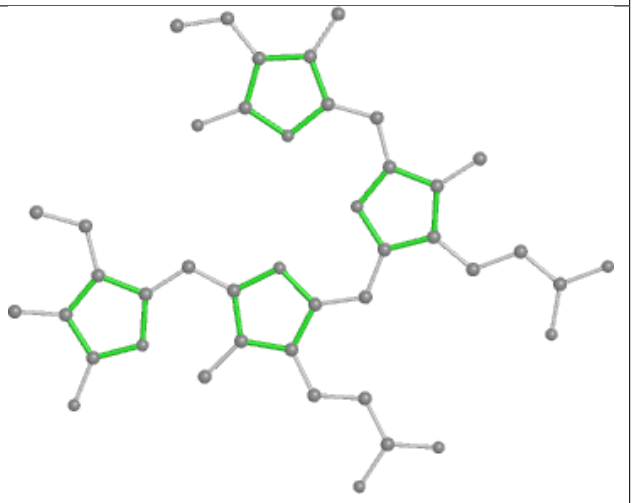
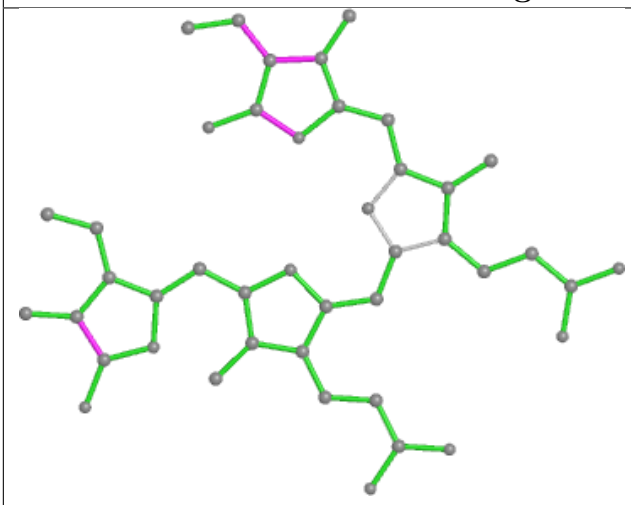


Rings

Ligand PEB dD 202



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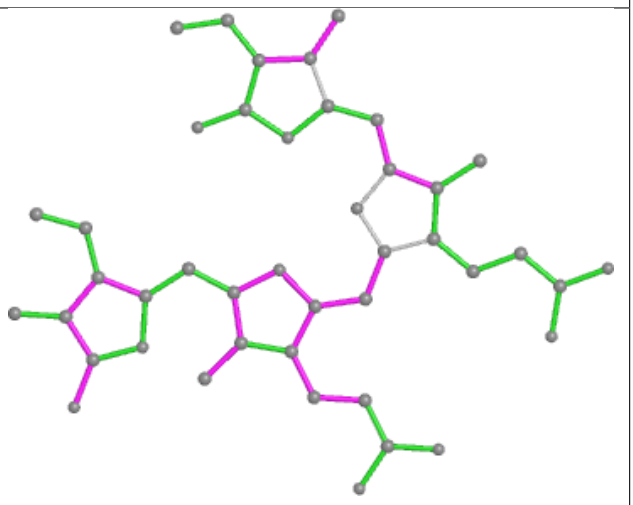

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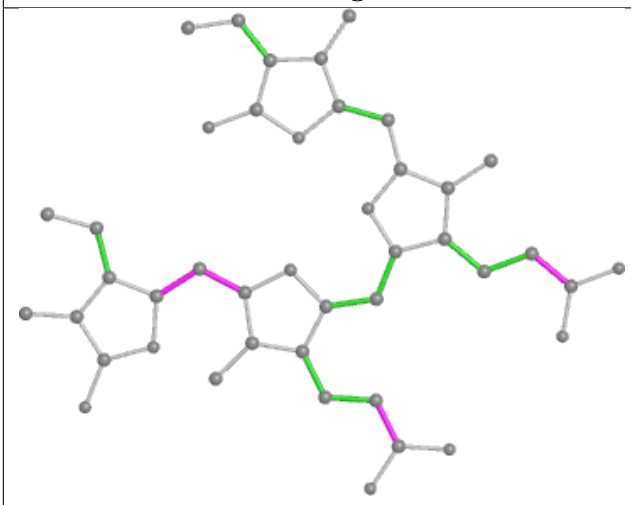

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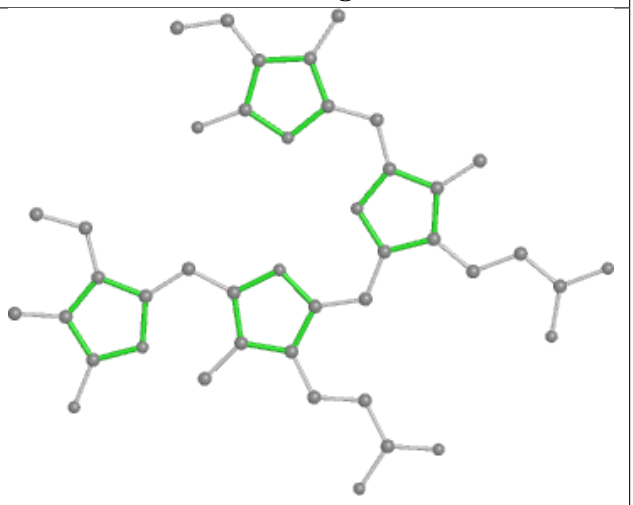

Rings

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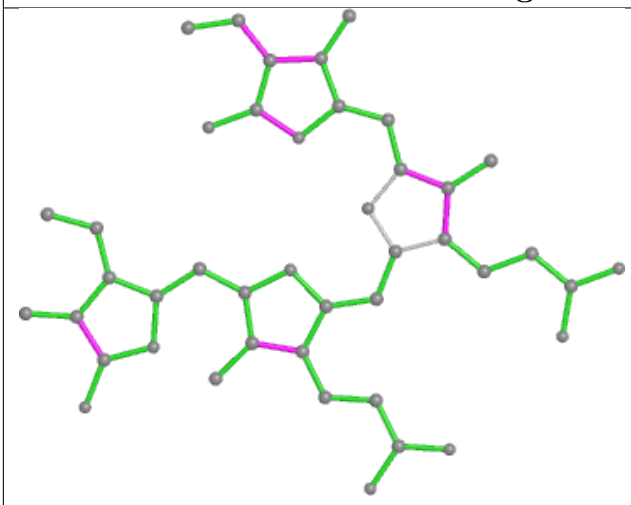

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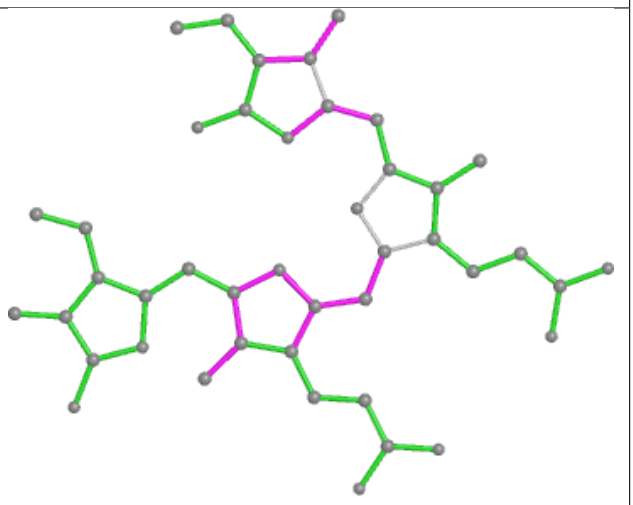

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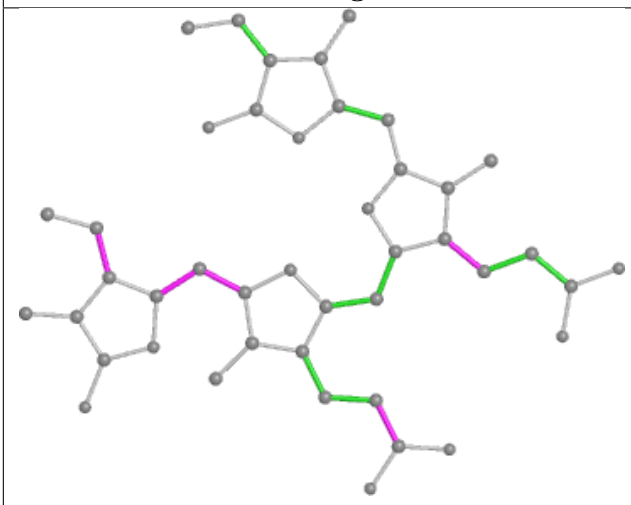

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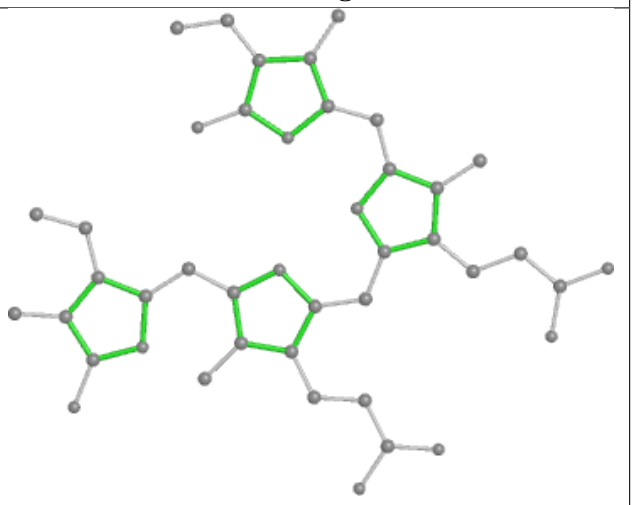
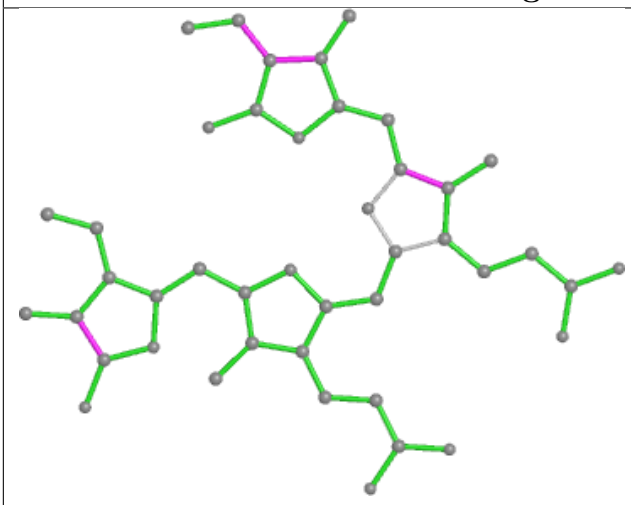


Rings

Ligand PEB ct 202



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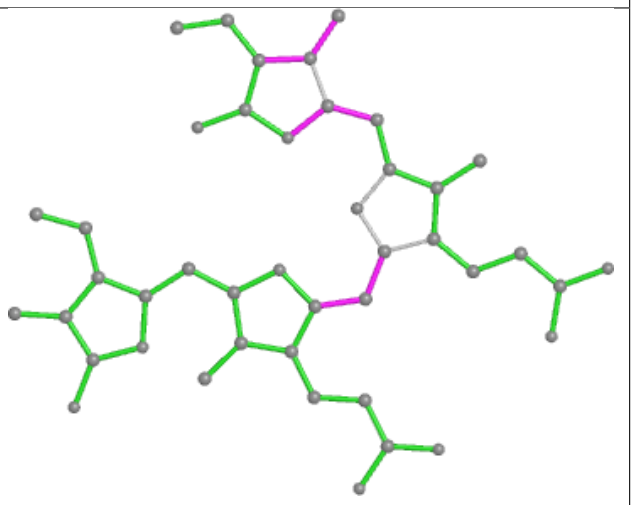

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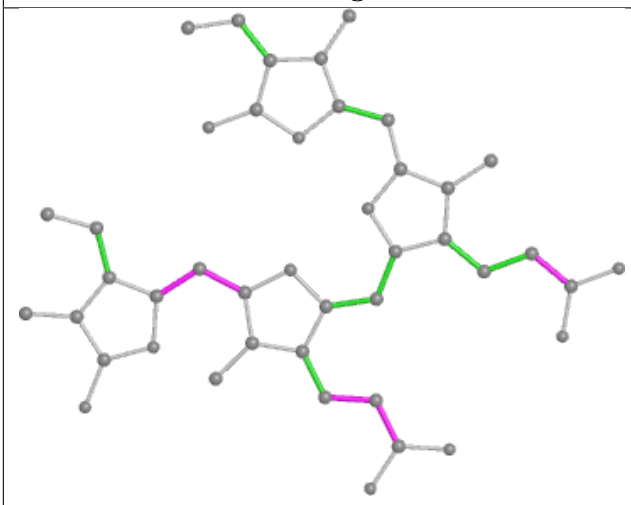

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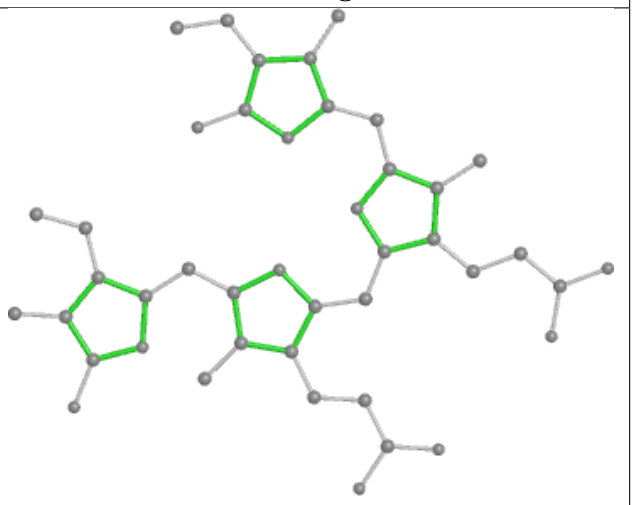
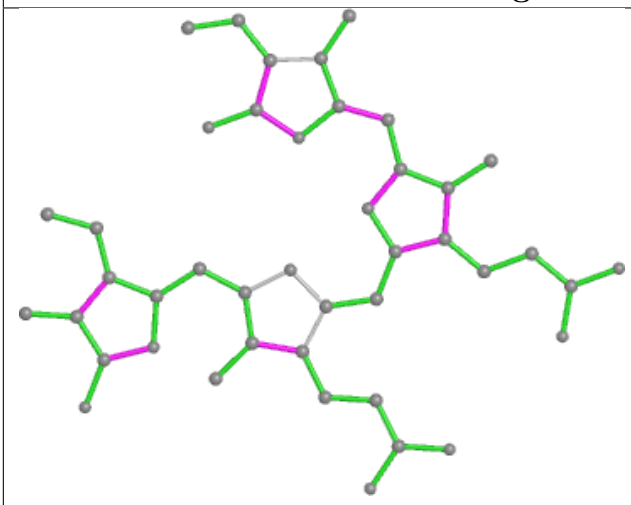


Rings

Ligand PUB N9 203



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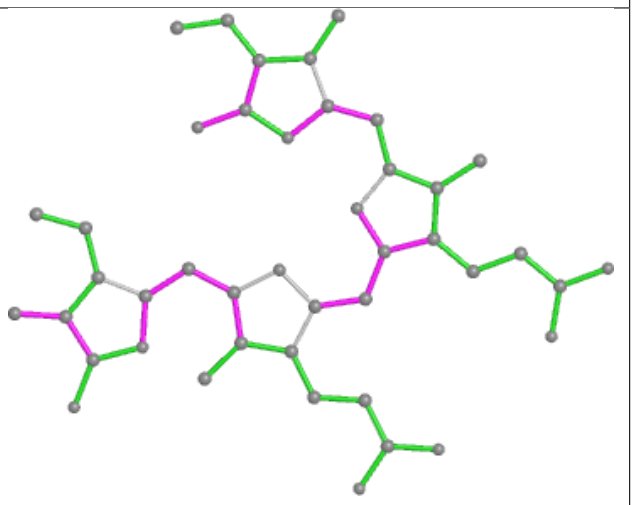

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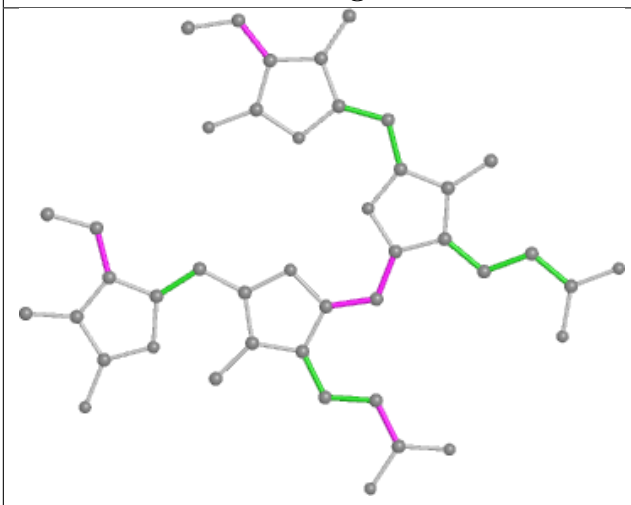

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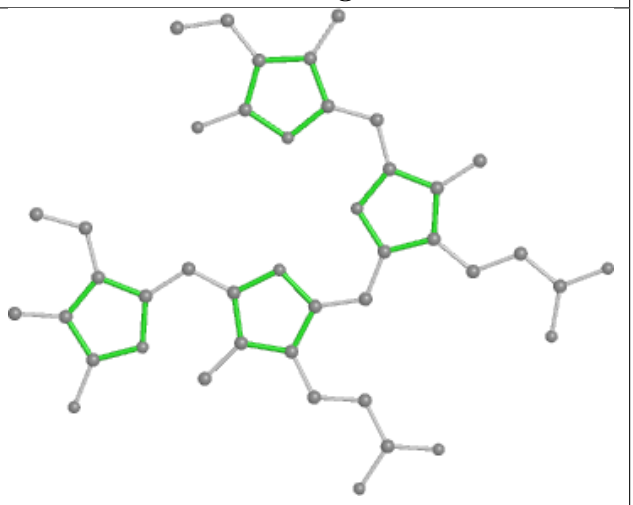
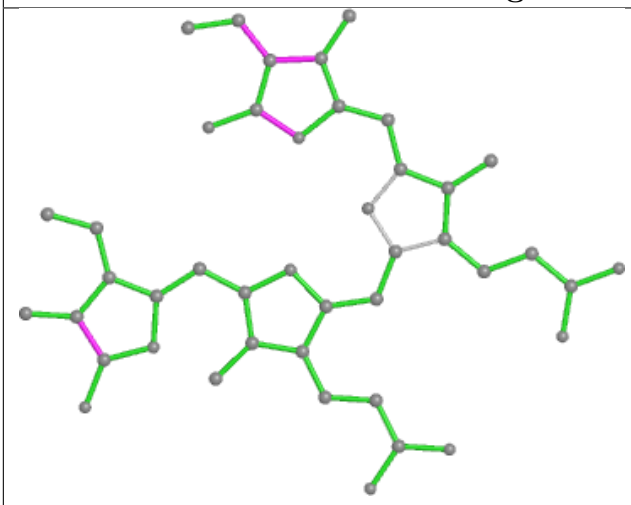


Rings

Ligand PEB C3 1001



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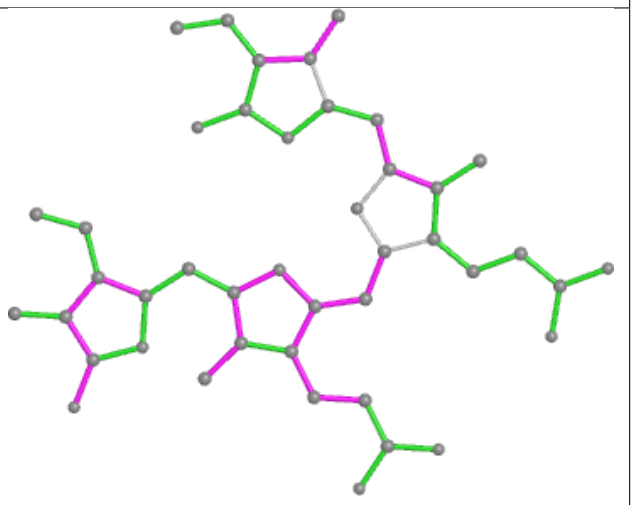
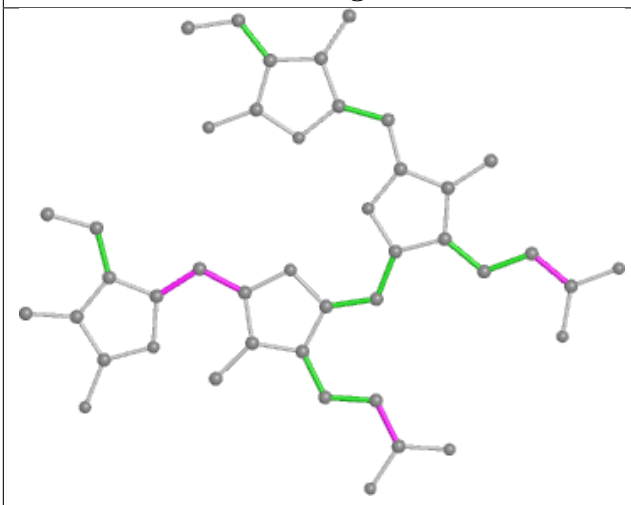


Bond angles



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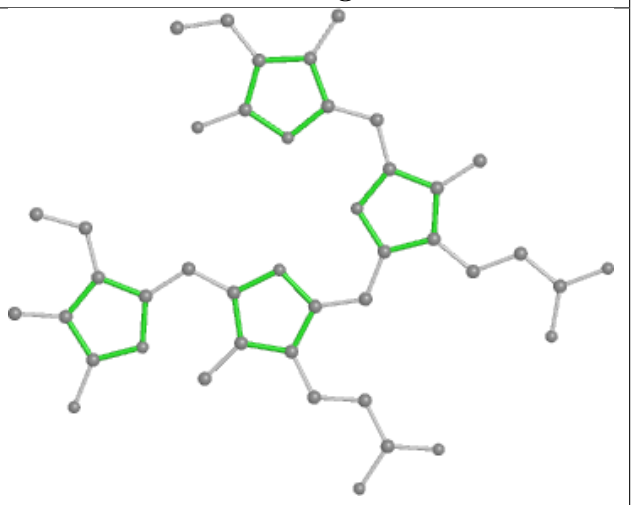
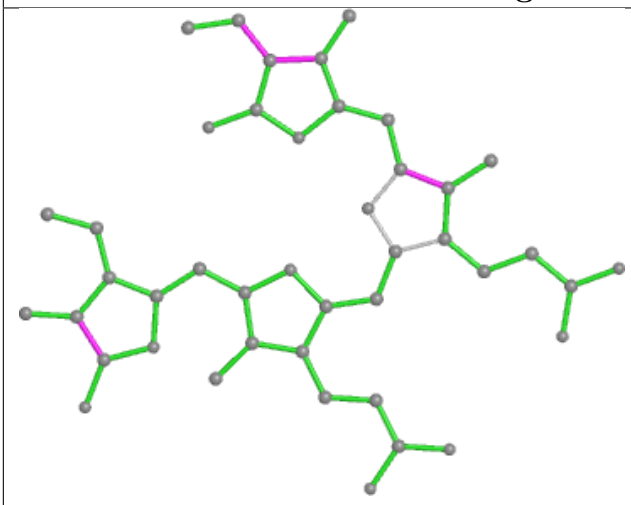


Rings

Ligand PEB C5 202



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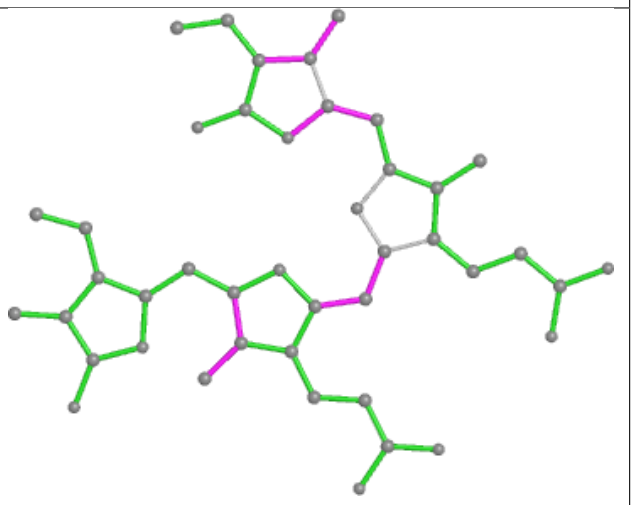

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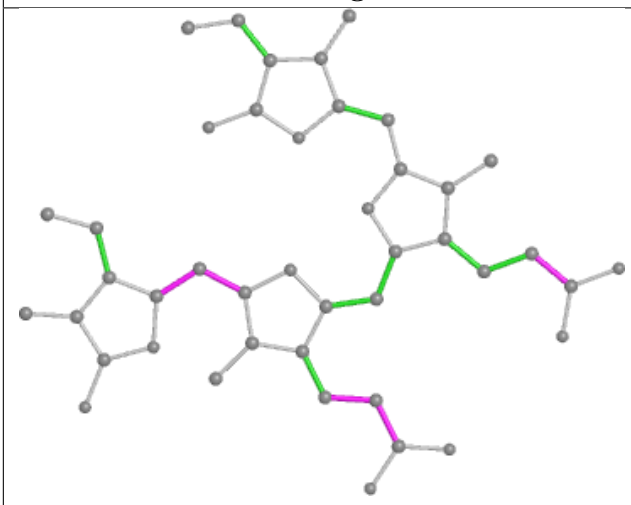

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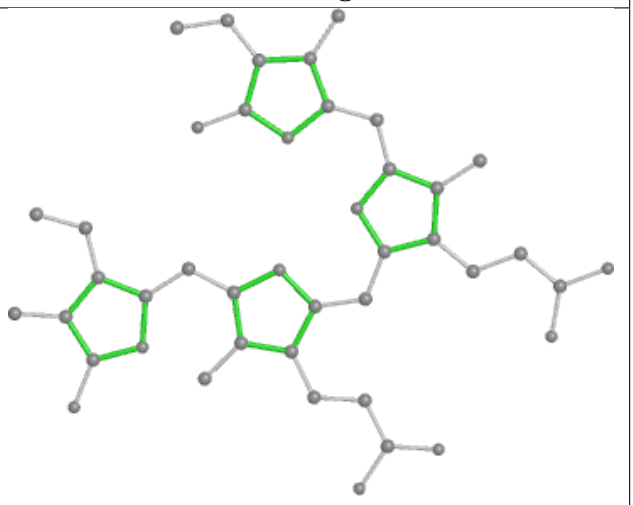
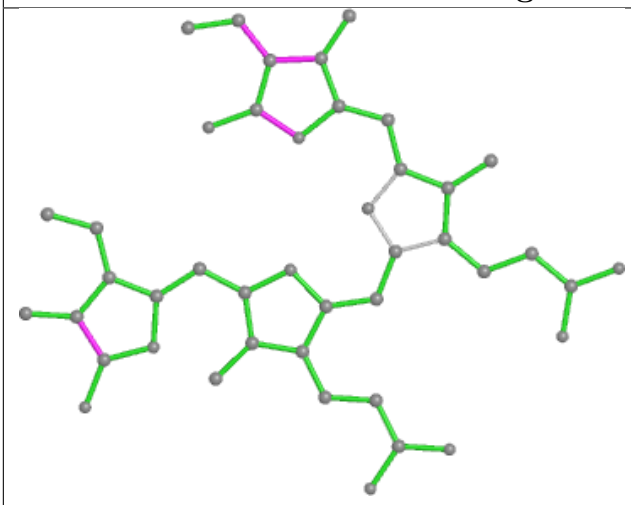


Rings

Ligand PEB P7 201



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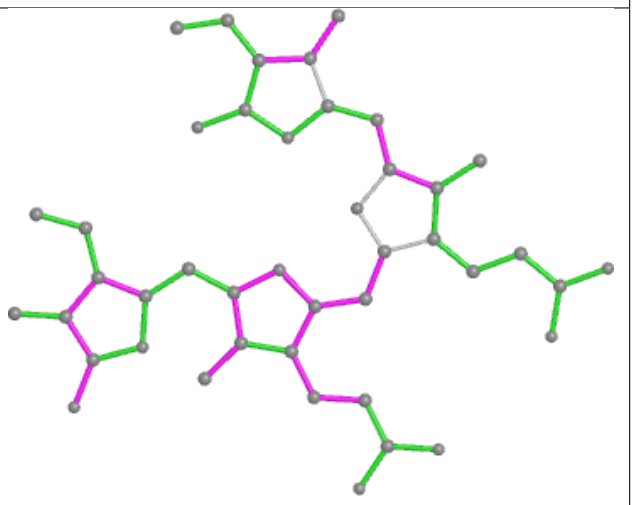

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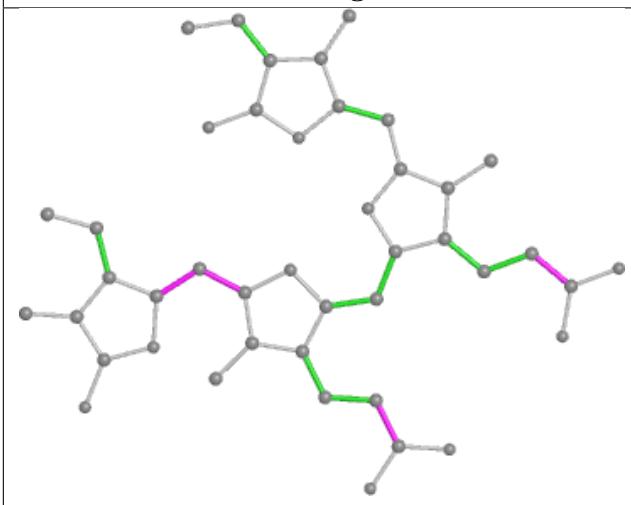

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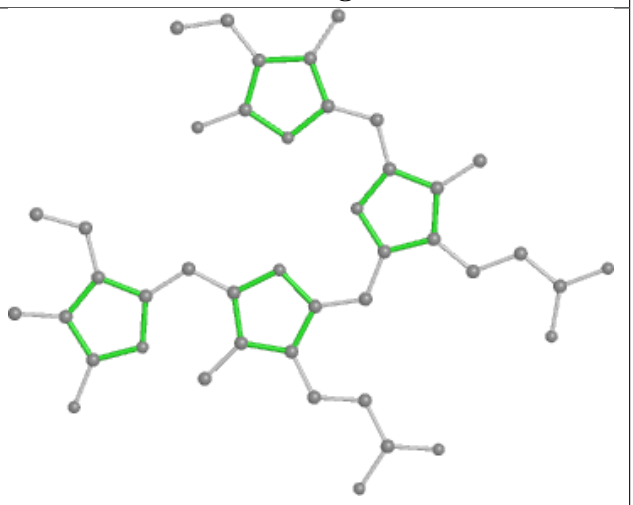
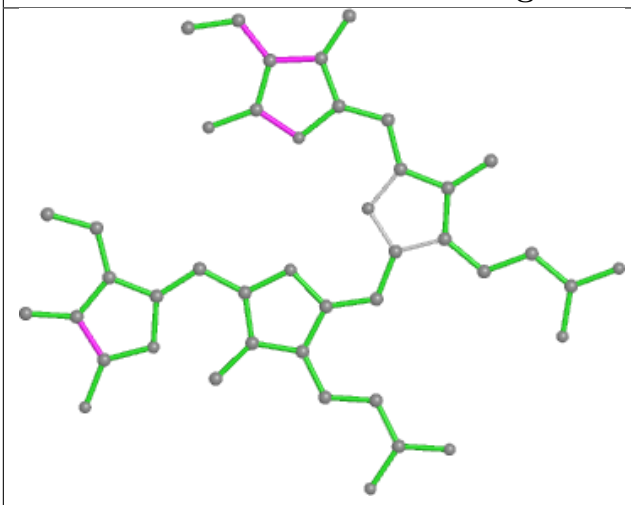


Rings

Ligand PEB aP 201



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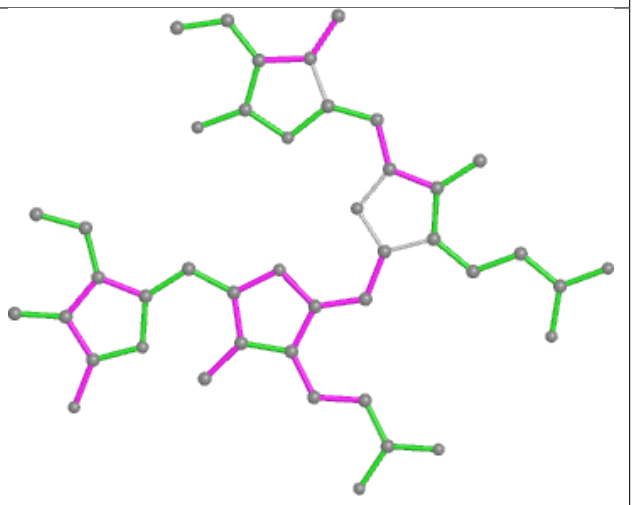
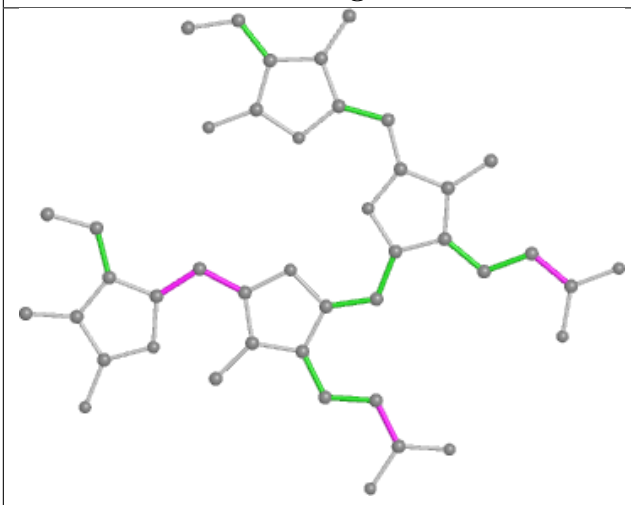
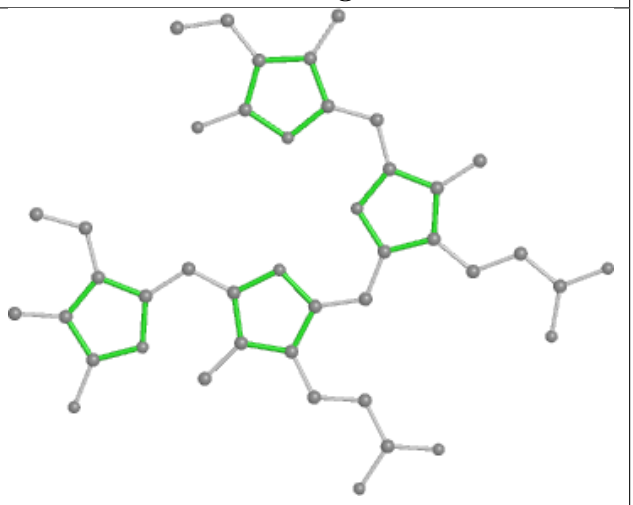


Bond angles

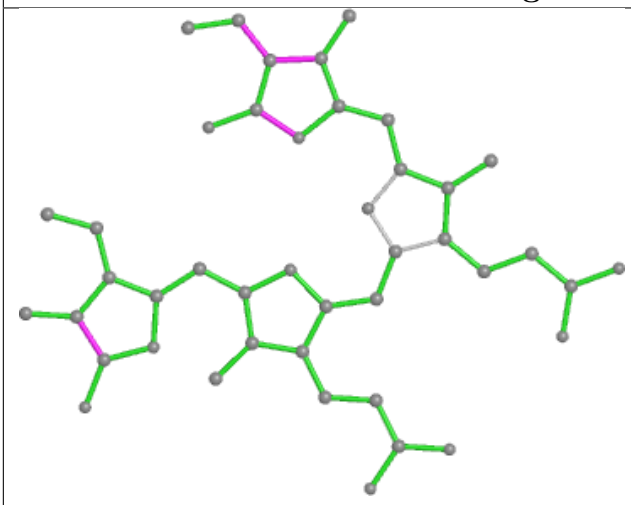


Torsions



Rings

Ligand PEB ct 201



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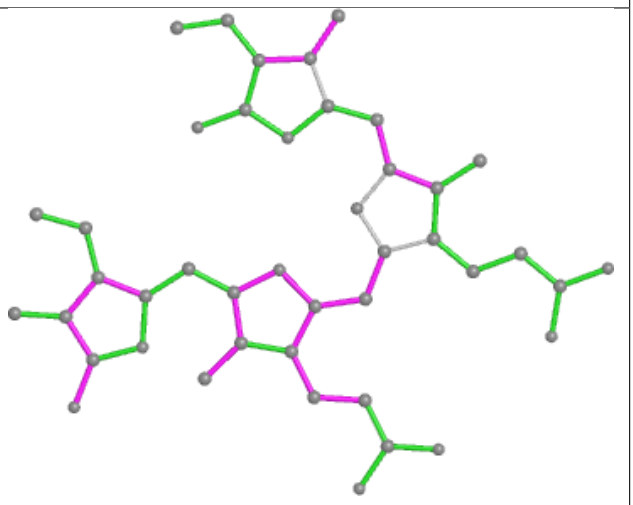

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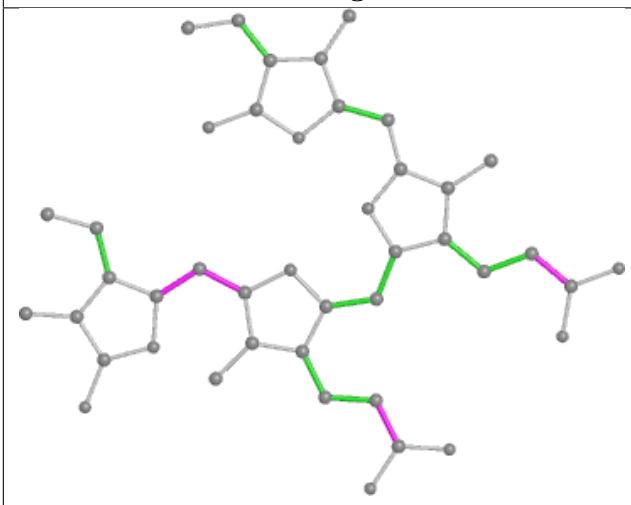

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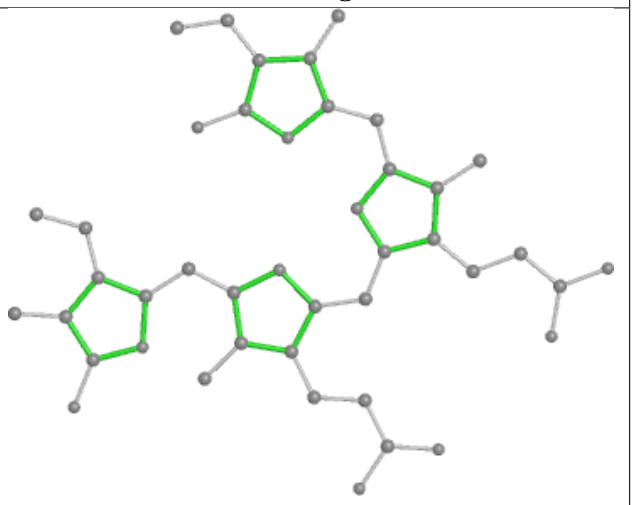
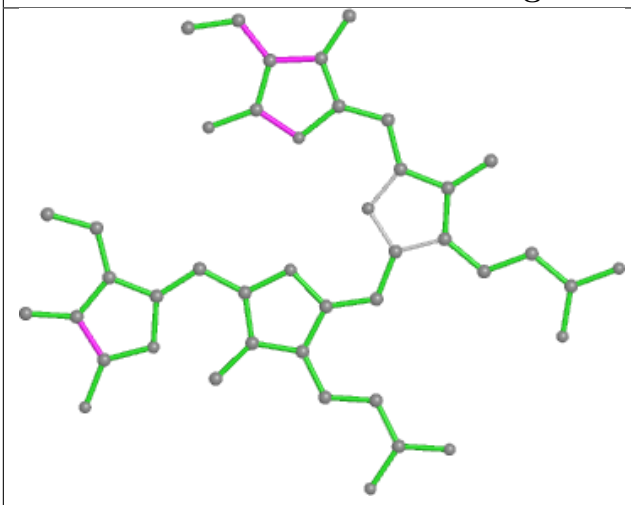


Rings

Ligand PEB l8 201



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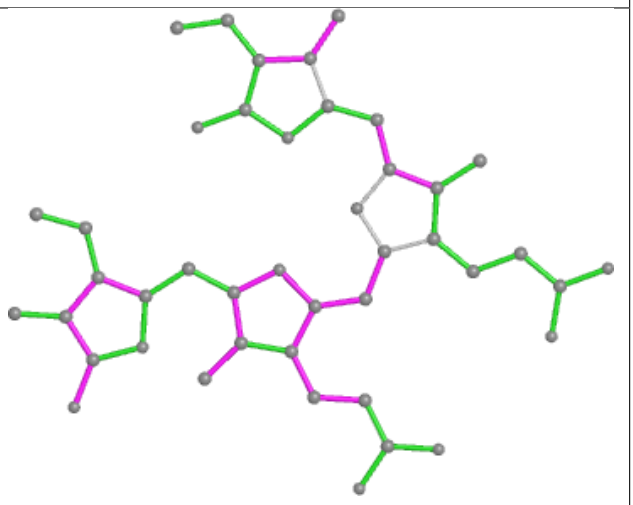

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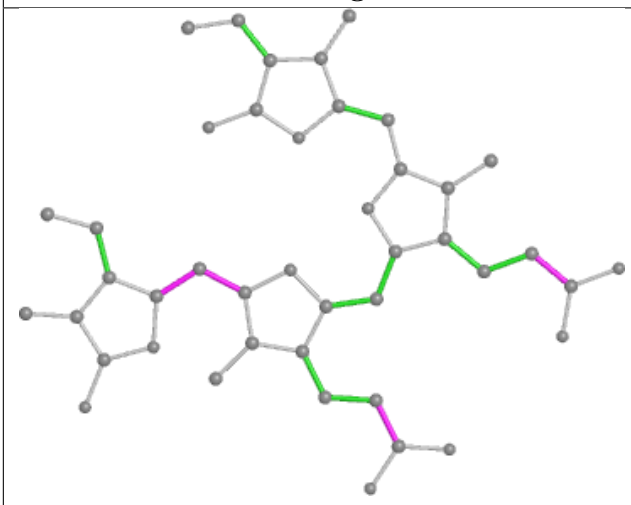

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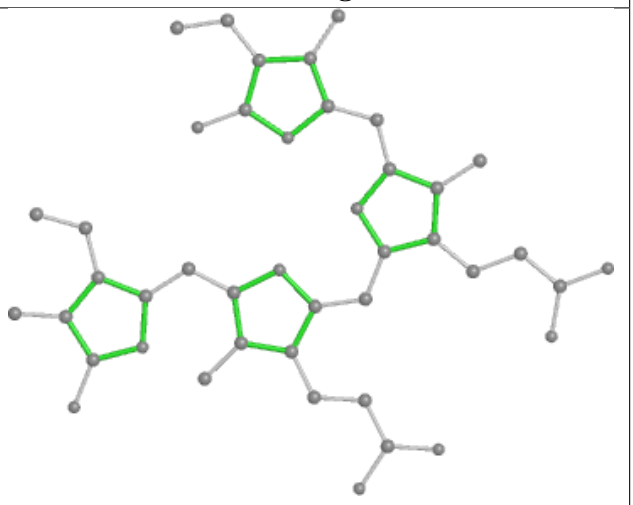
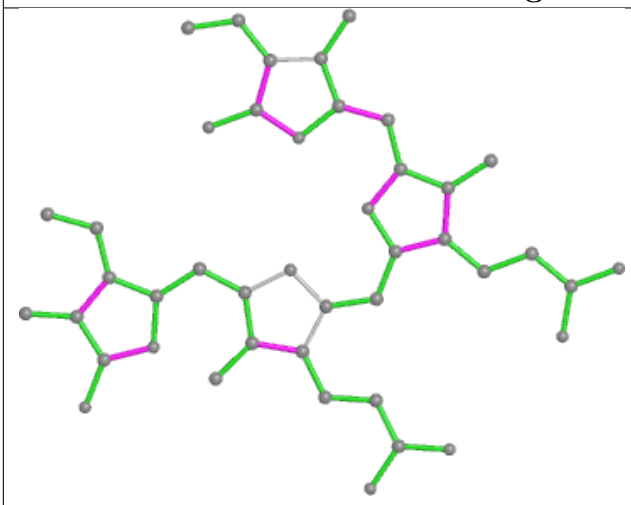


Rings

Ligand PUB ff 203



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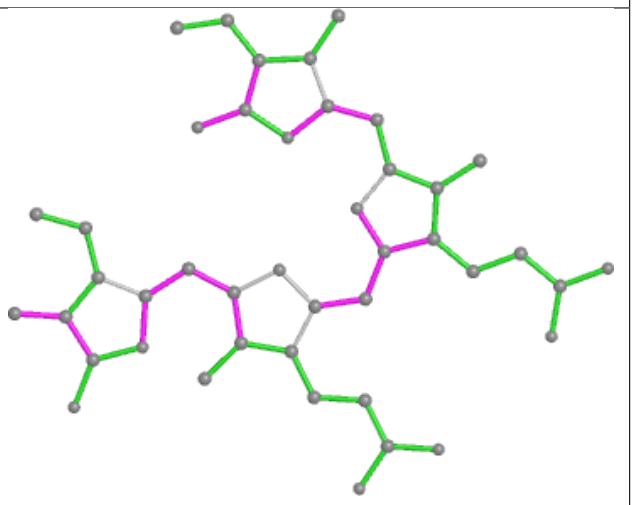

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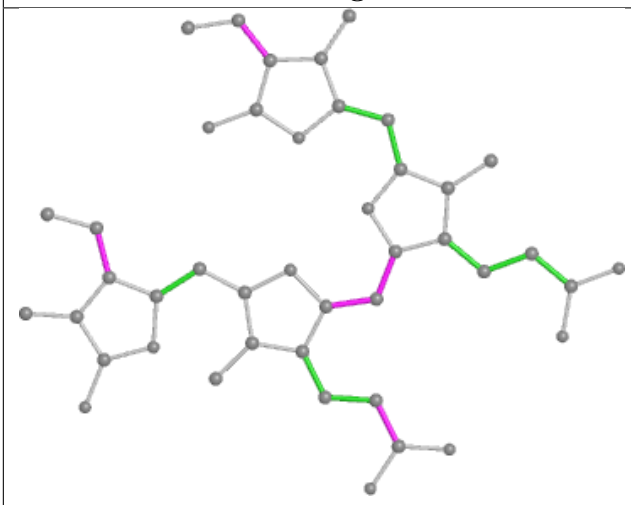

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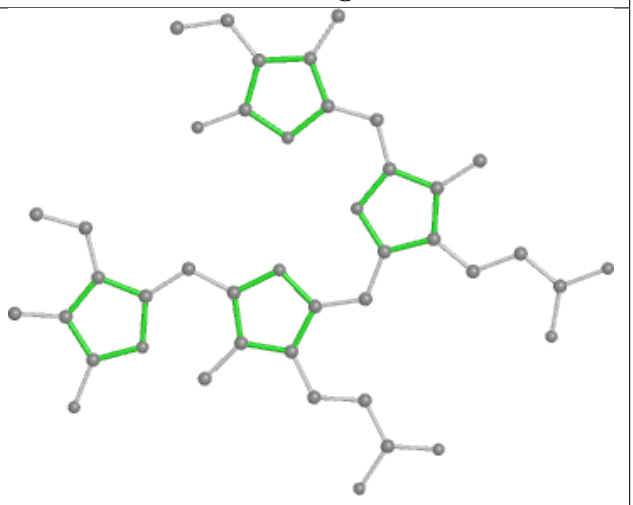
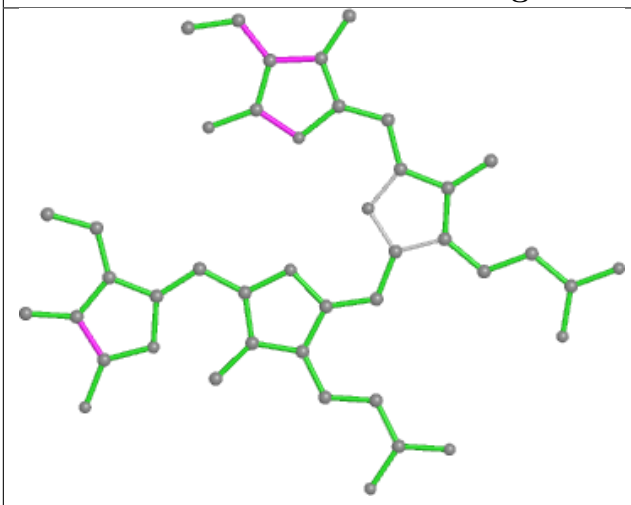


Rings

Ligand PEB cW 201



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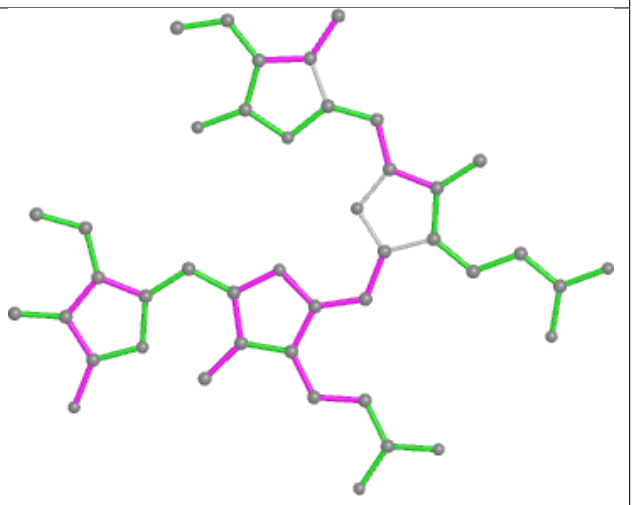

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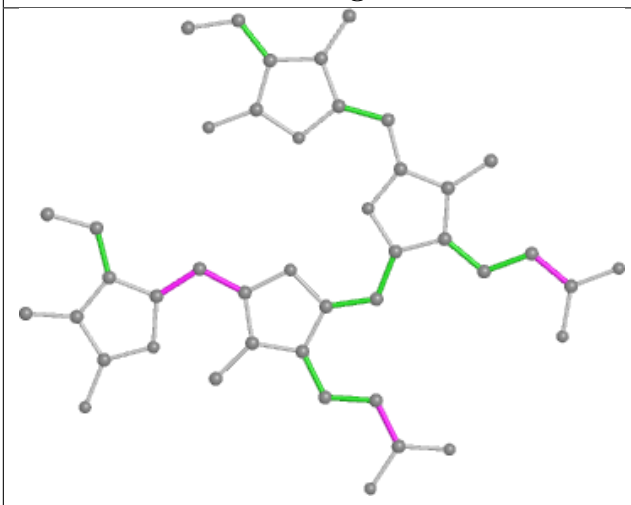

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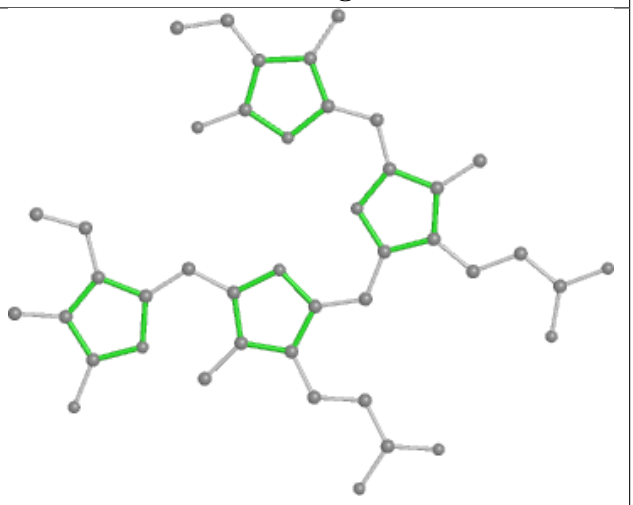
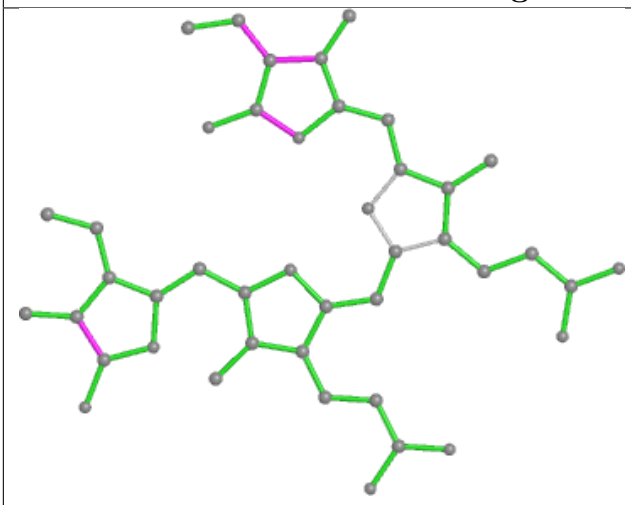


Rings

Ligand PEB iB 1001



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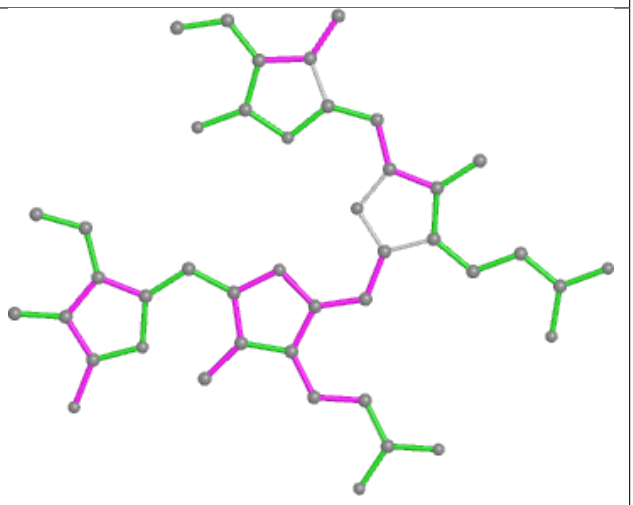

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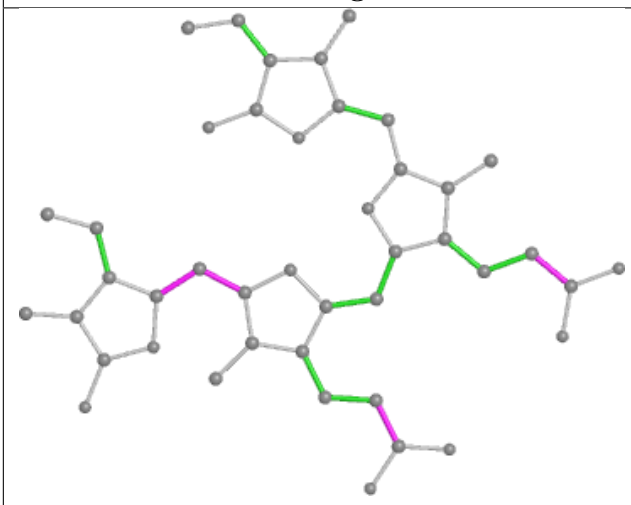

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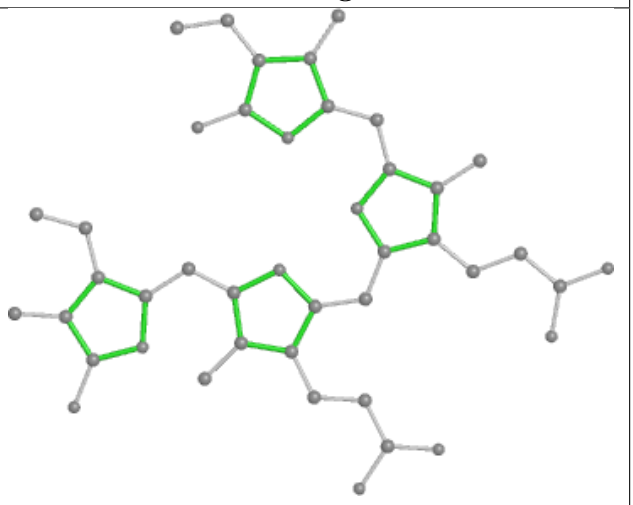
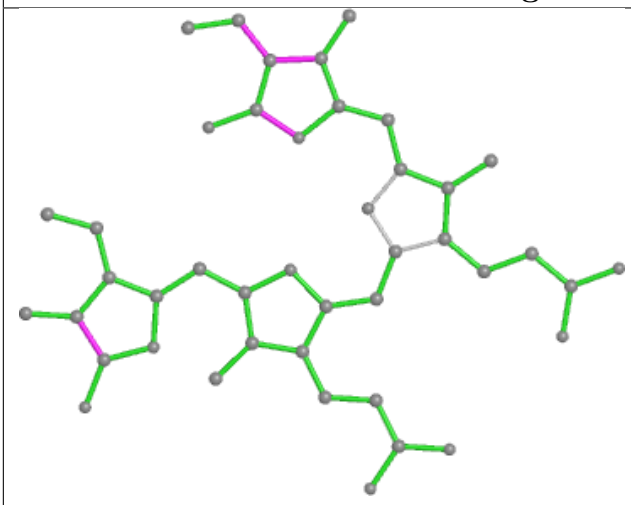


Rings

Ligand PEB gs 201



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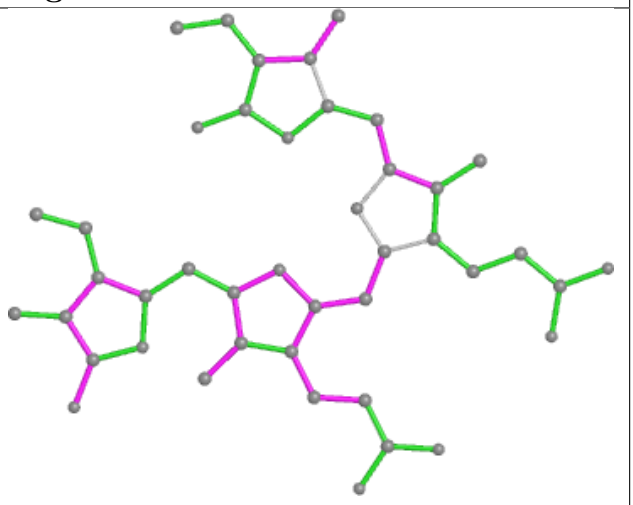

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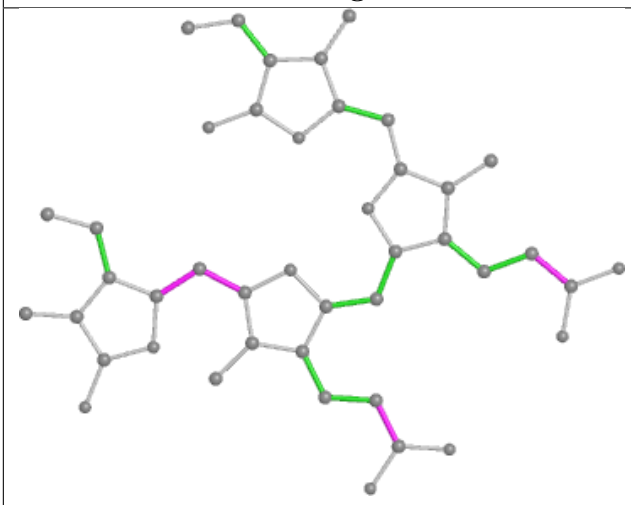

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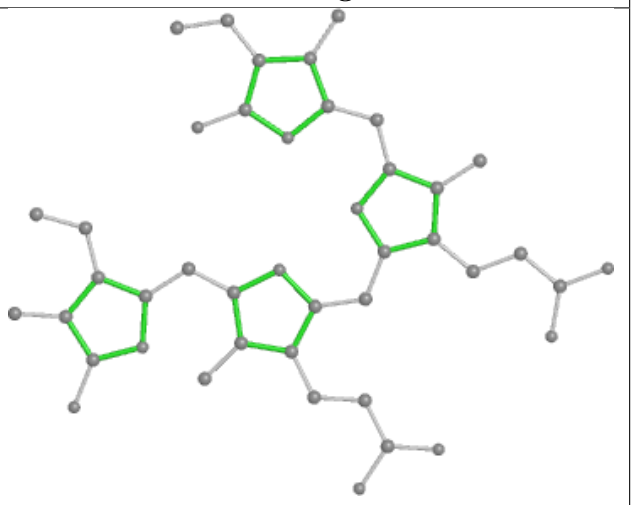
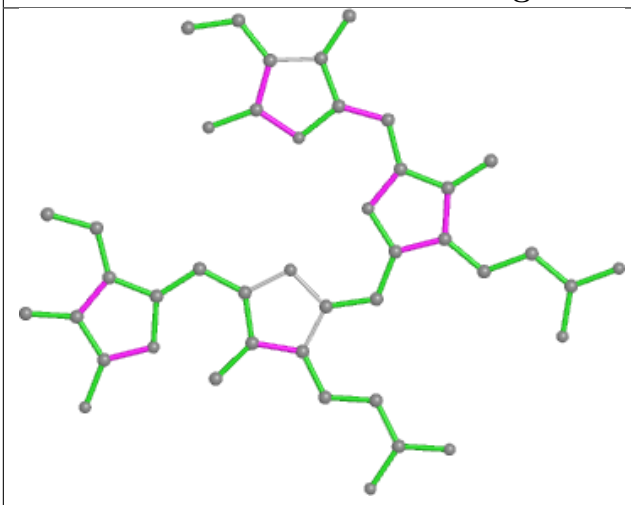


Rings

Ligand PUB D2 305



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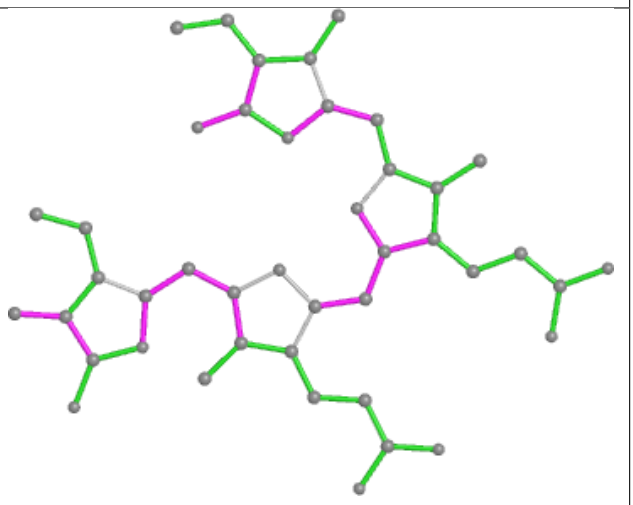

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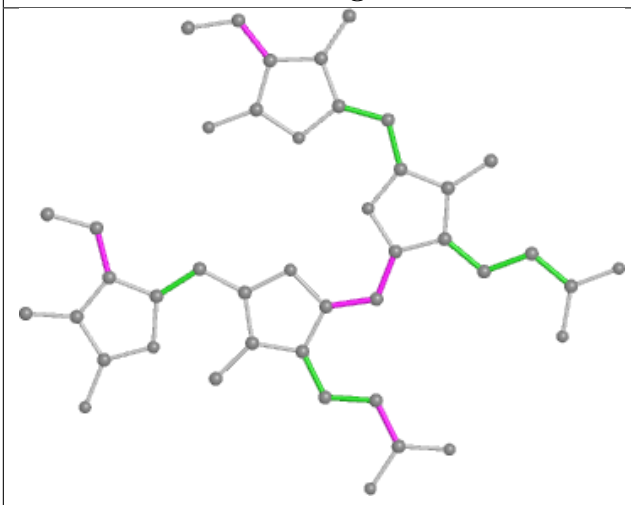

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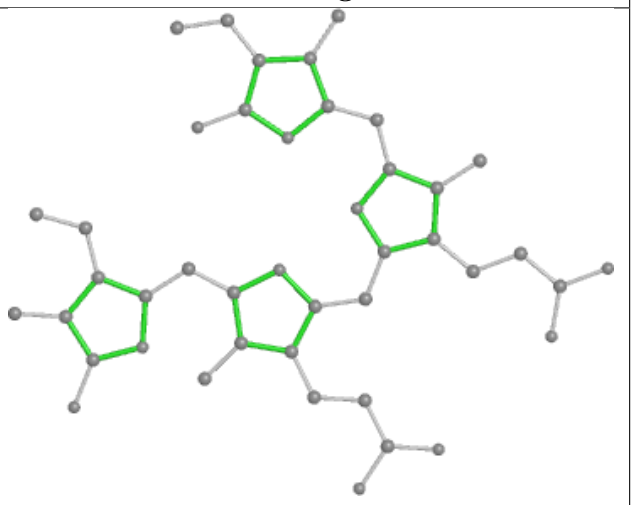
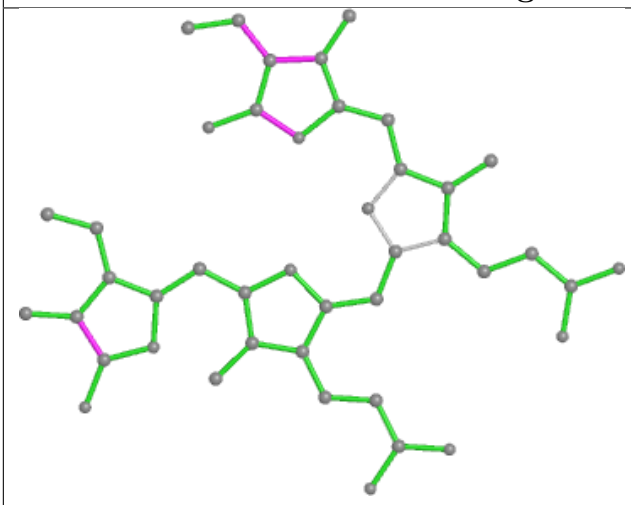


Rings

Ligand PEB E3 201



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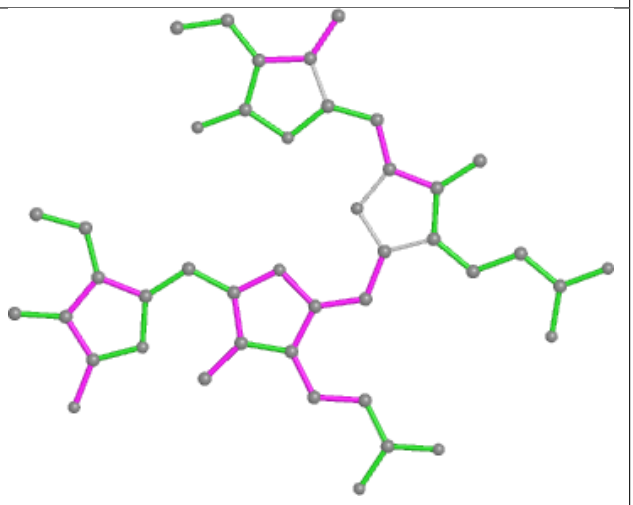

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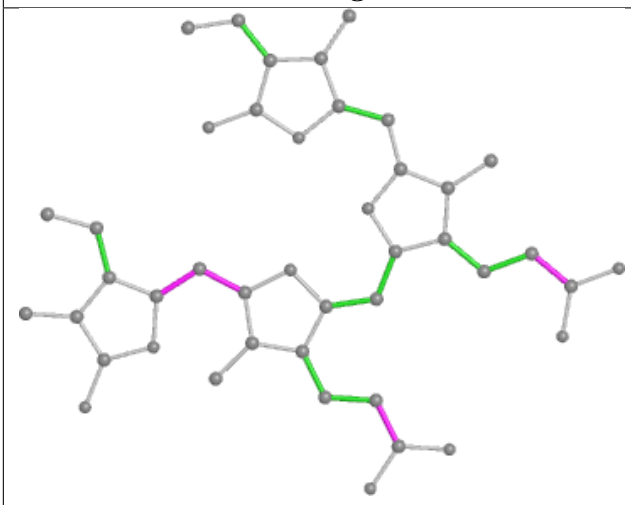

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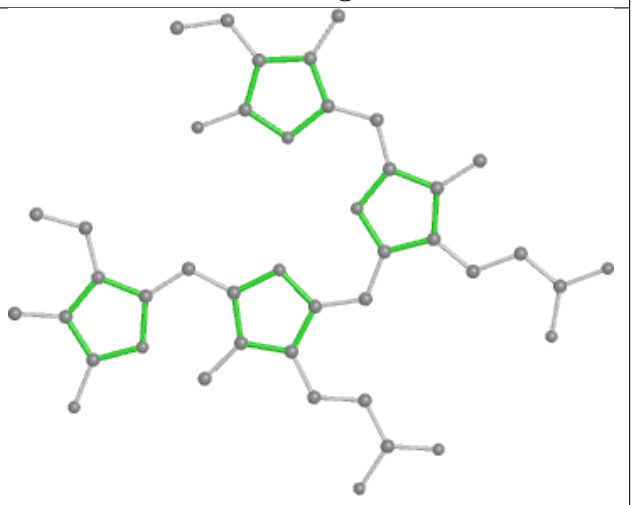
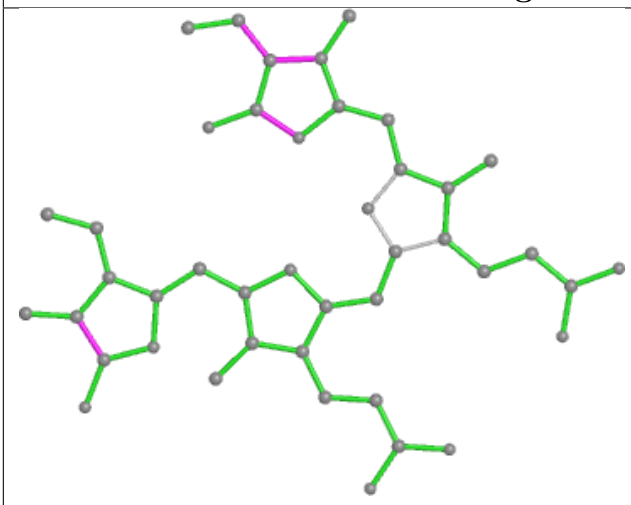


Rings

Ligand PEB la 1002



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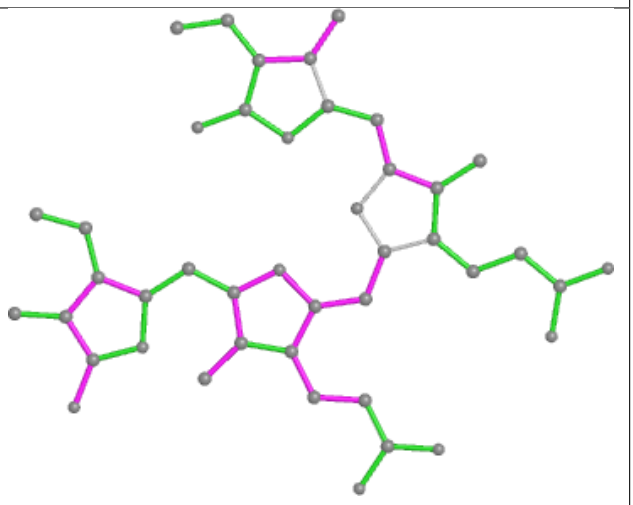

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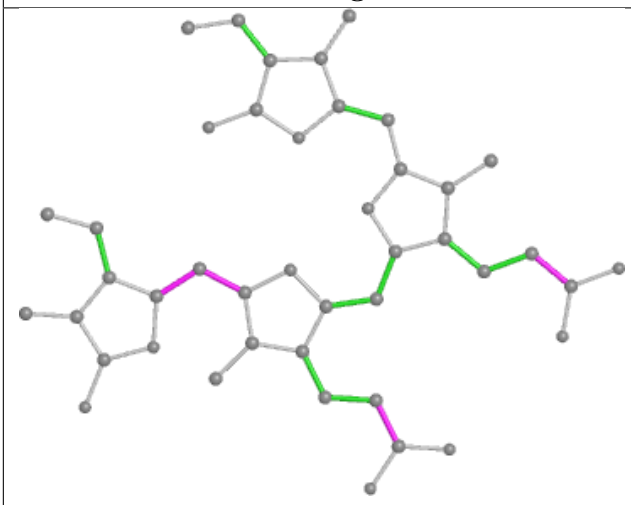

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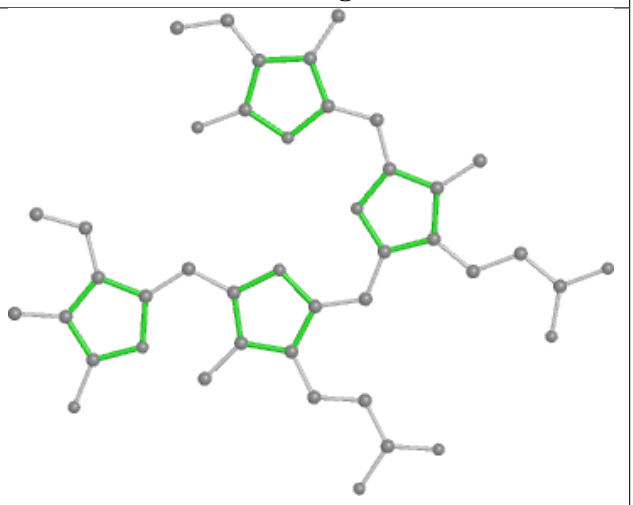
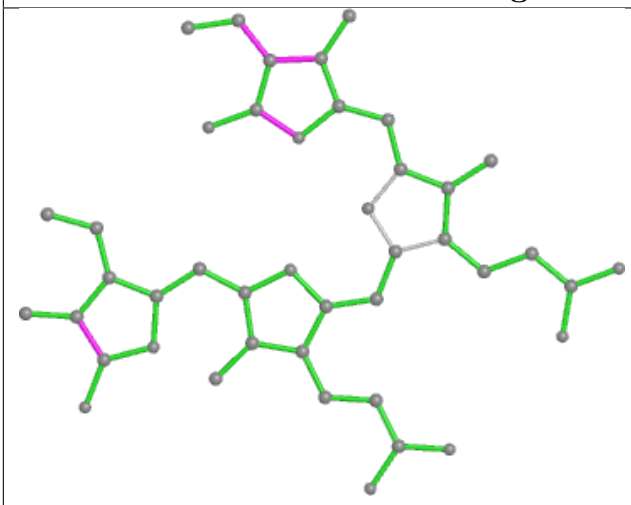


Rings

Ligand PEB W5 301



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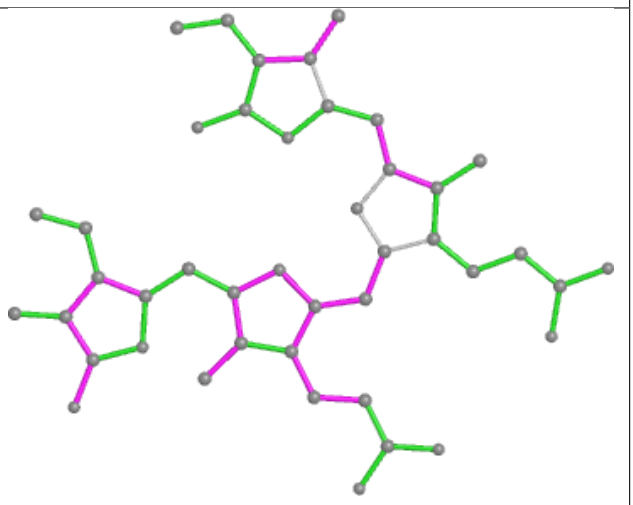

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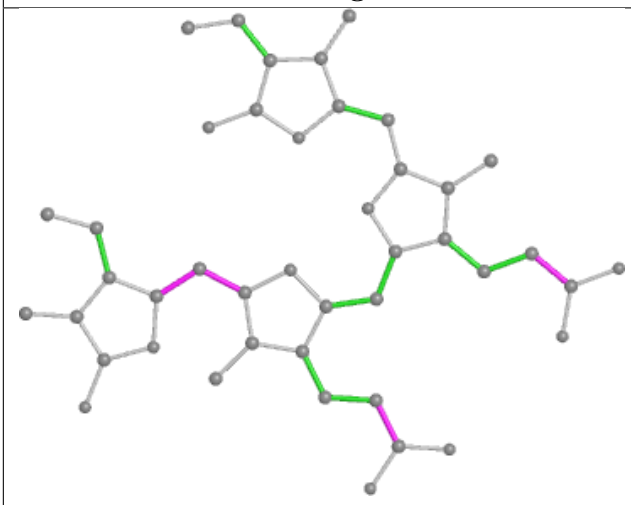

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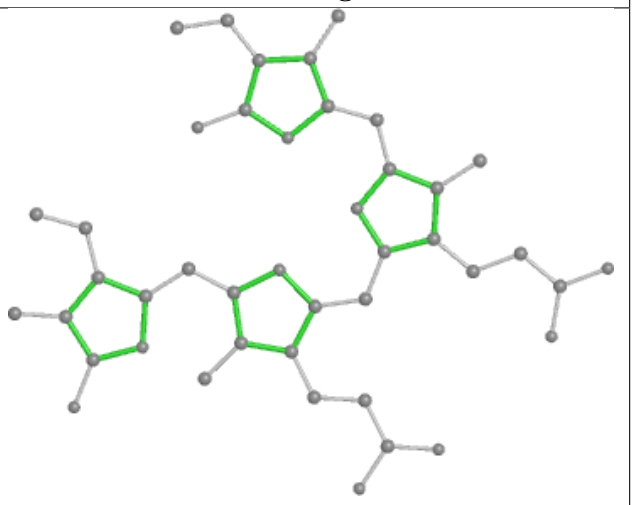
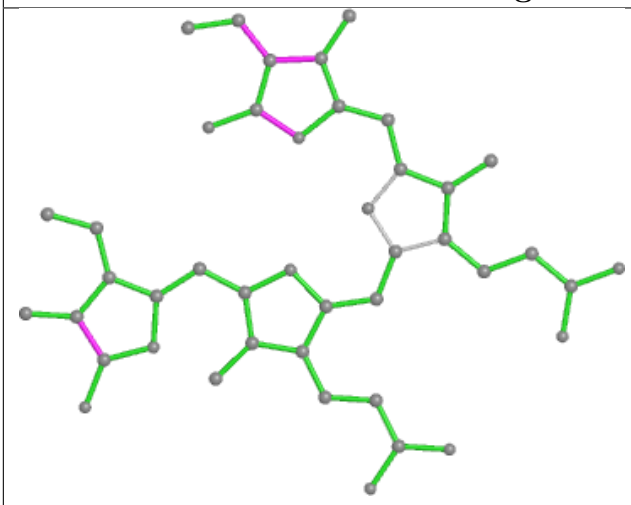


Rings

Ligand PEB bC 201



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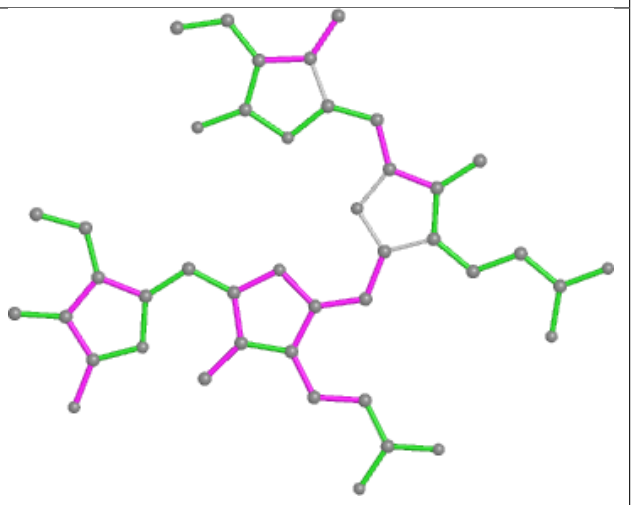

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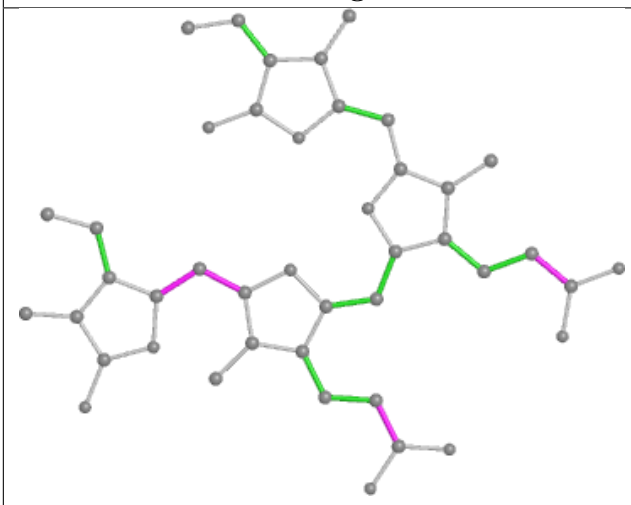

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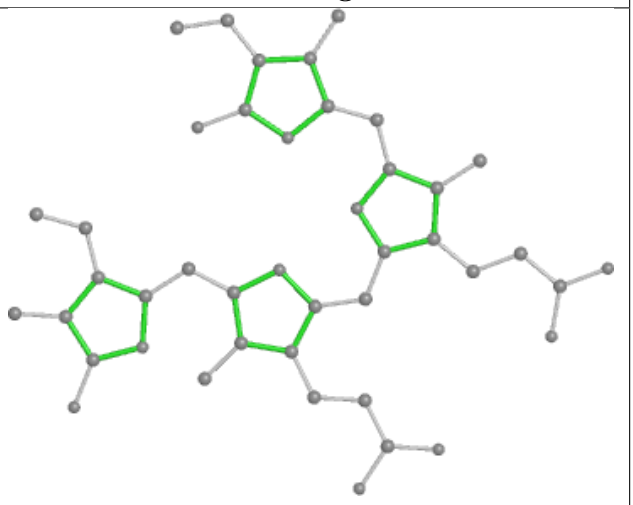
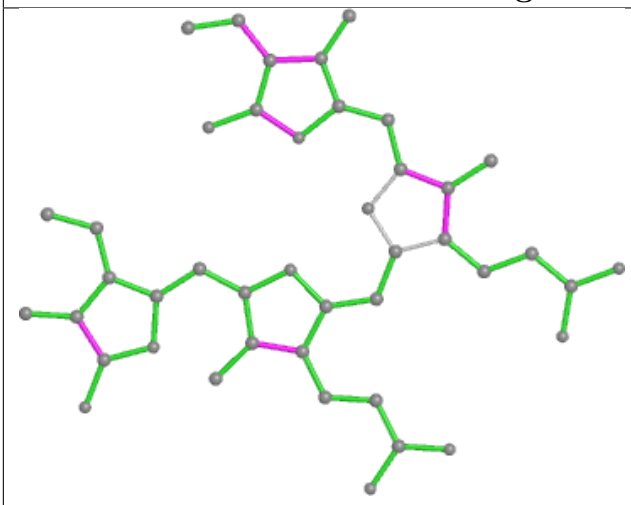


Rings

Ligand PEB V5 202



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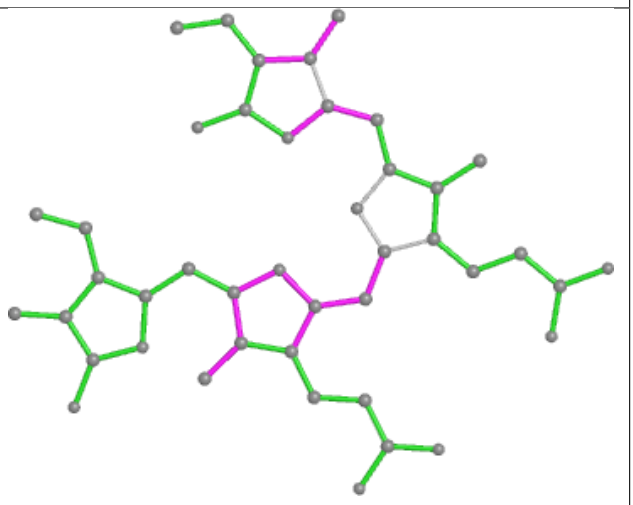

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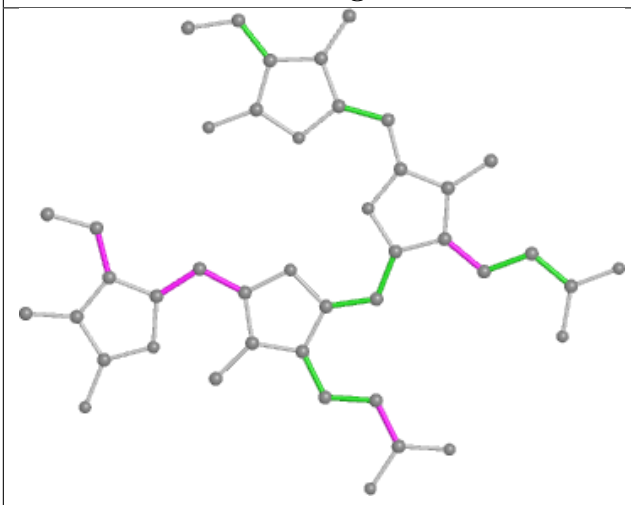

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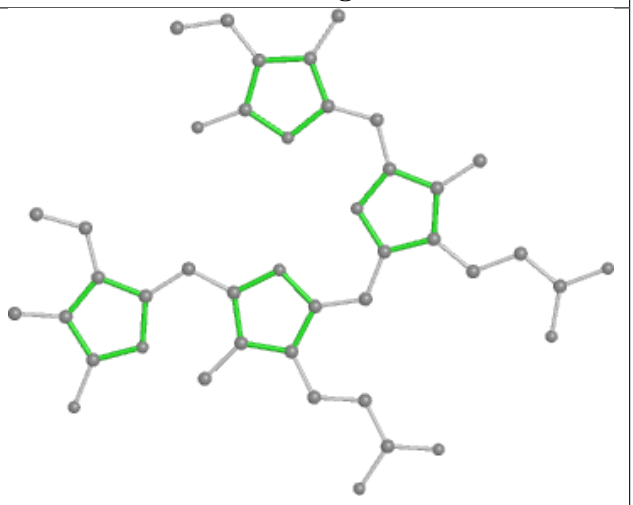
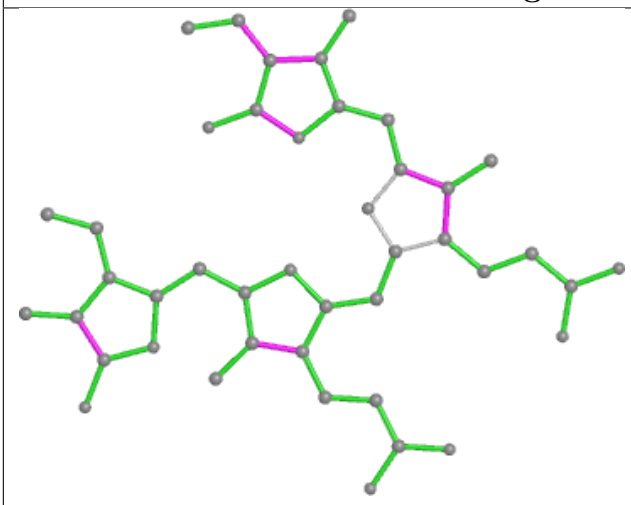


Rings

Ligand PEB l4 202



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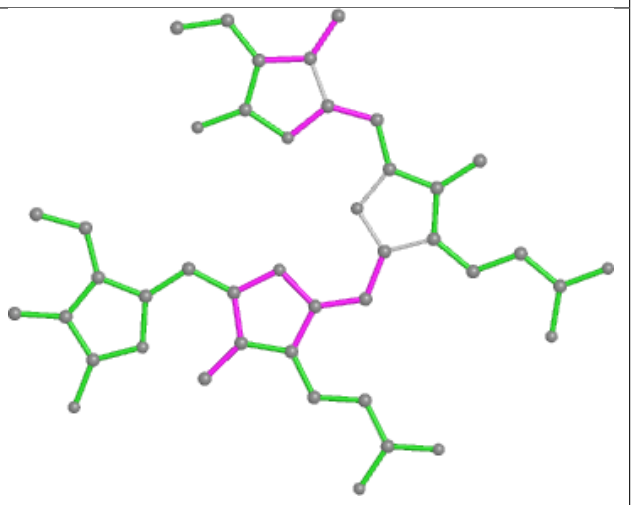

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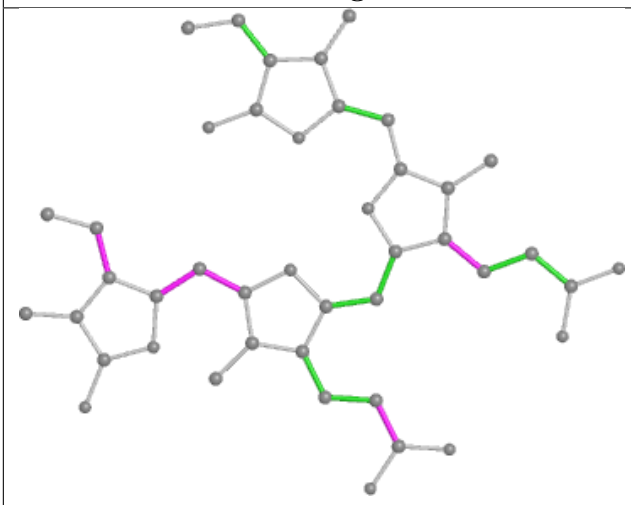
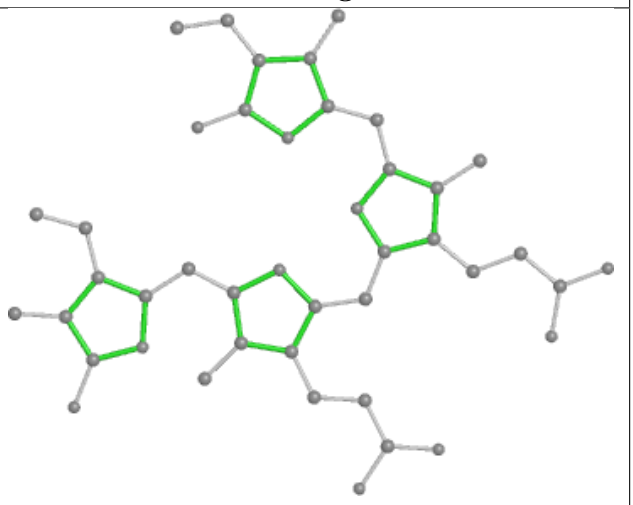
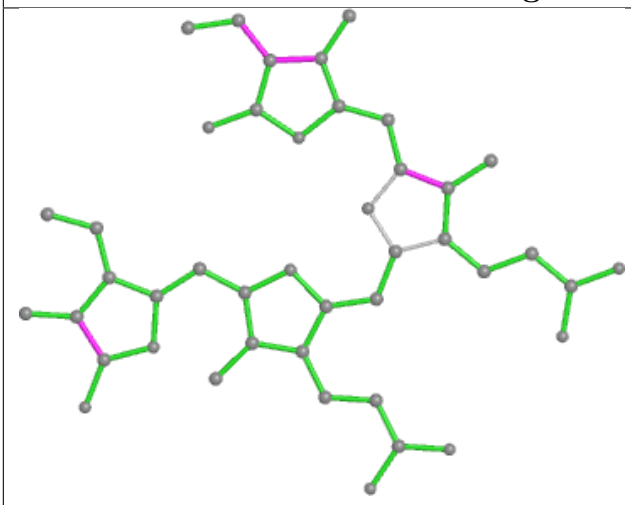


Torsions



Rings

Ligand PEB lu 202



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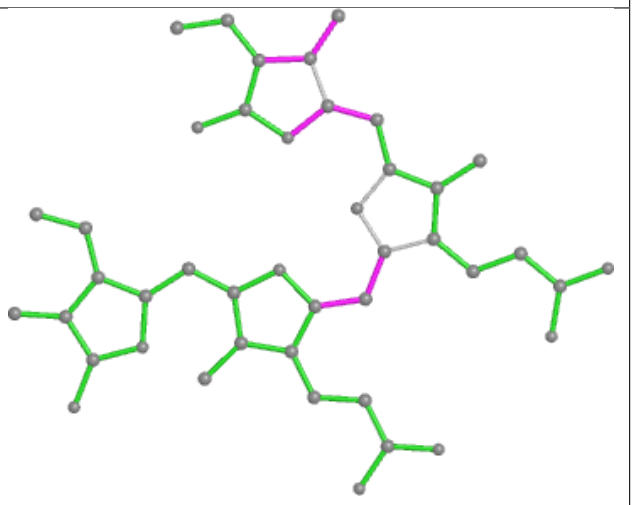

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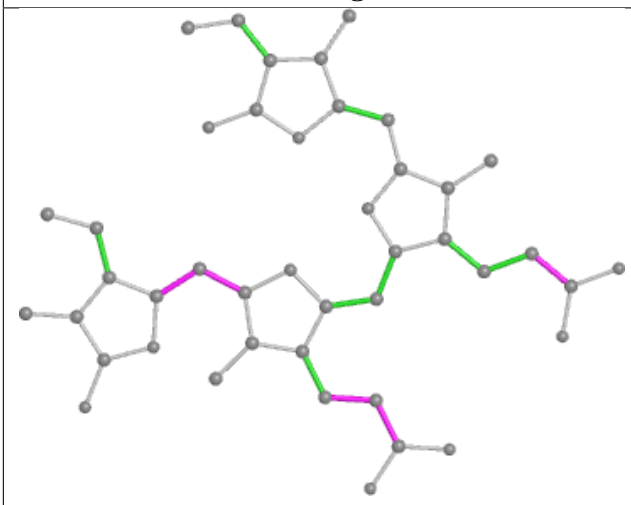

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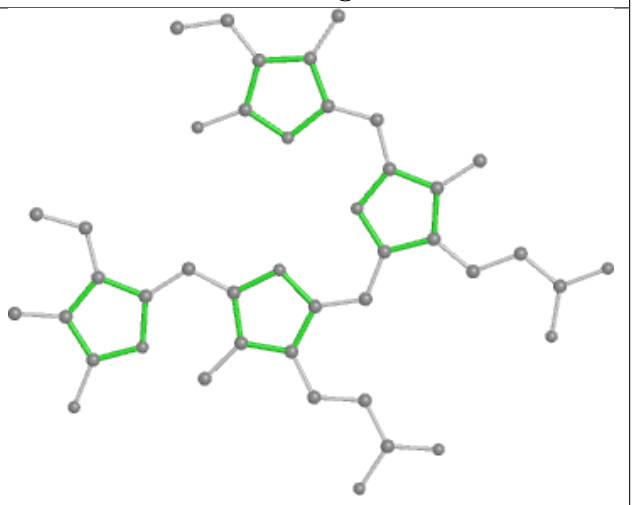
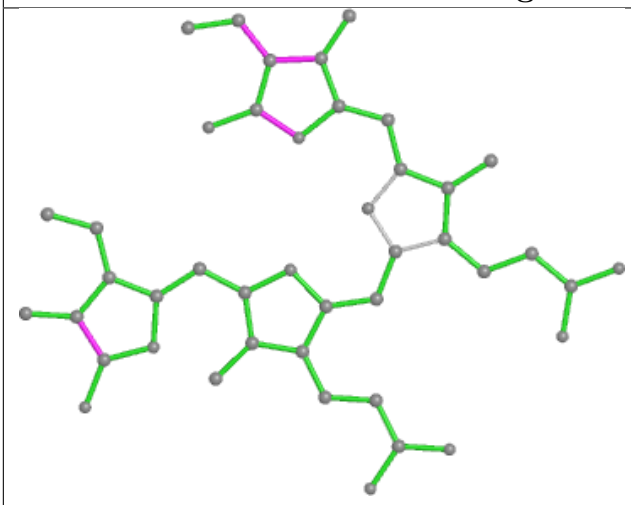


Rings

Ligand PEB bZ 303



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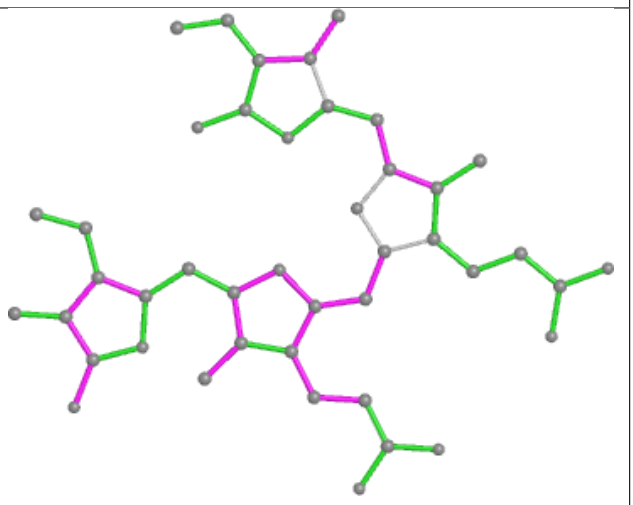

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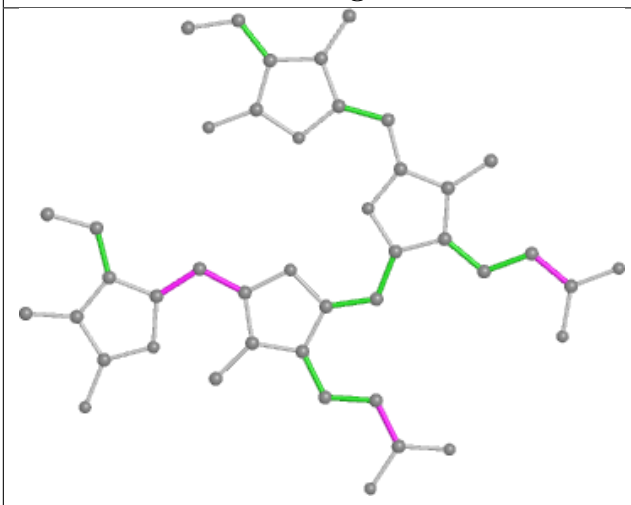

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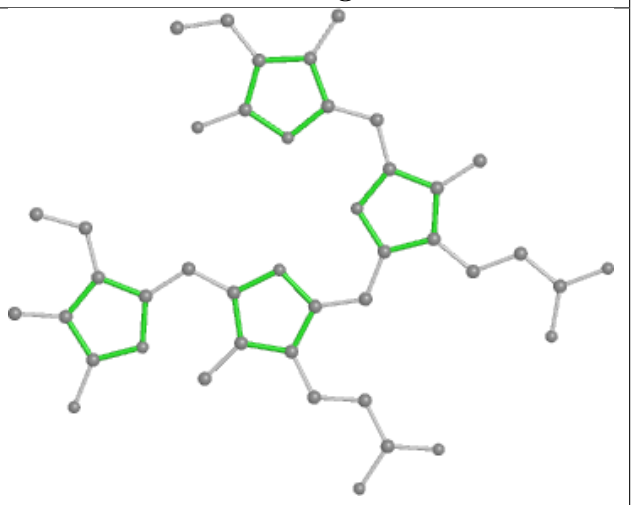
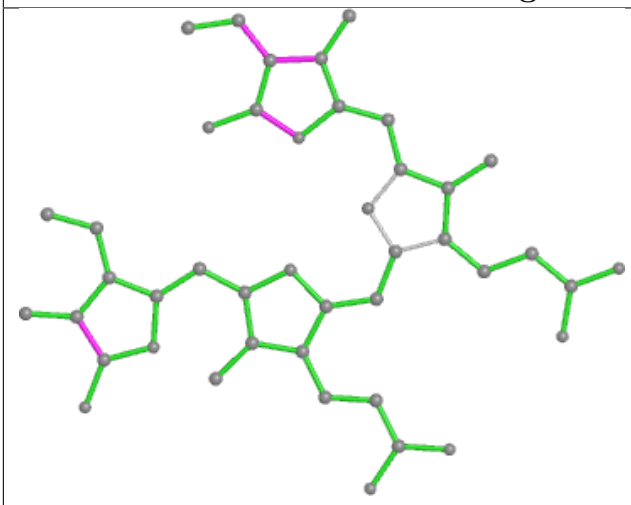


Rings

Ligand PEB y6 203



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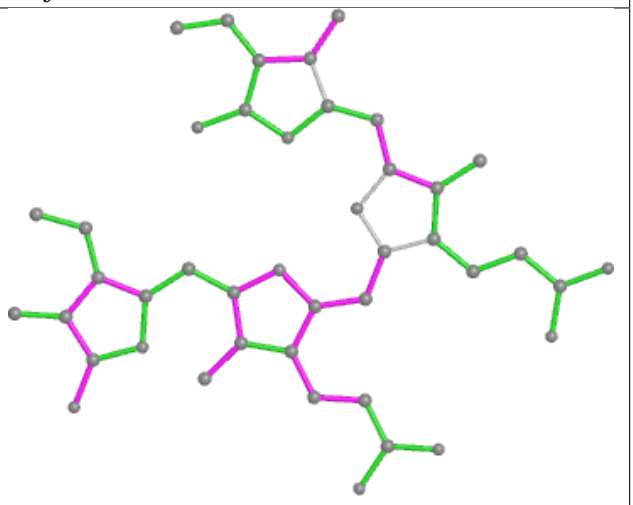

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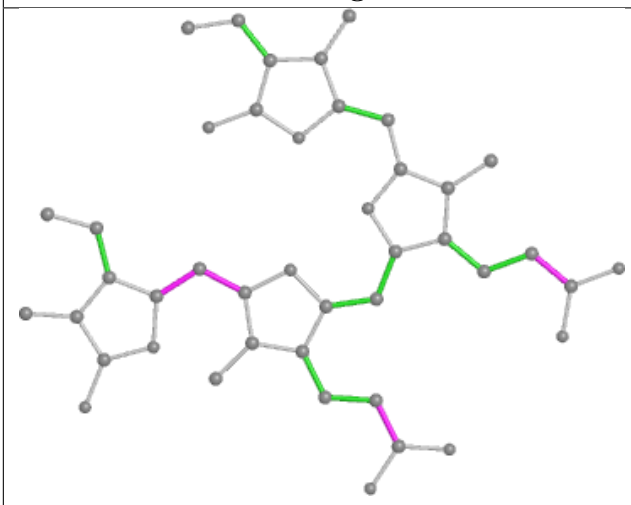

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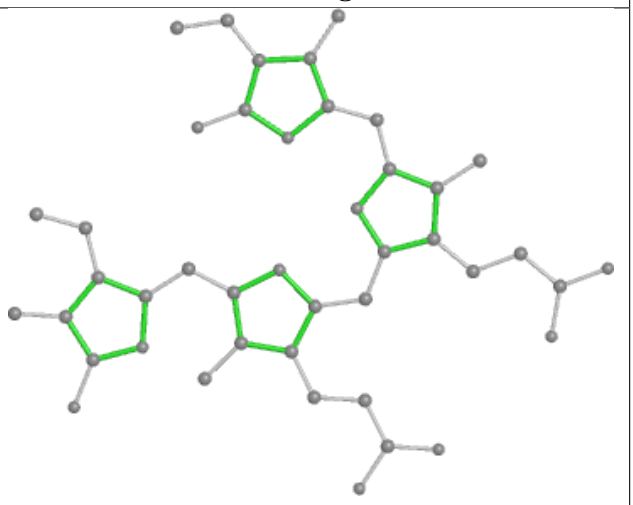
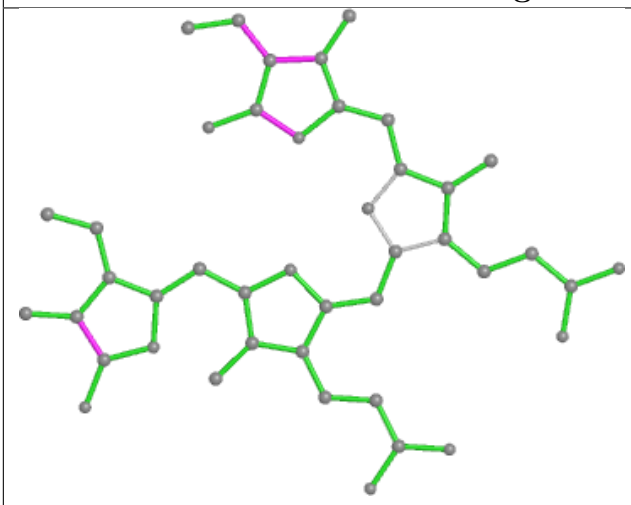


Rings

Ligand PEB hK 201



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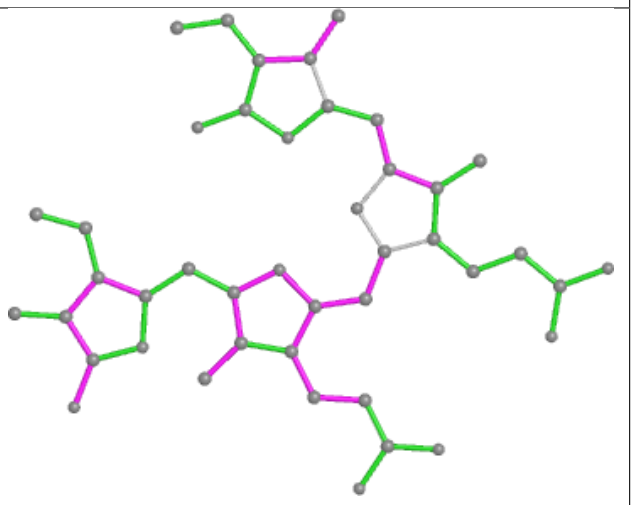

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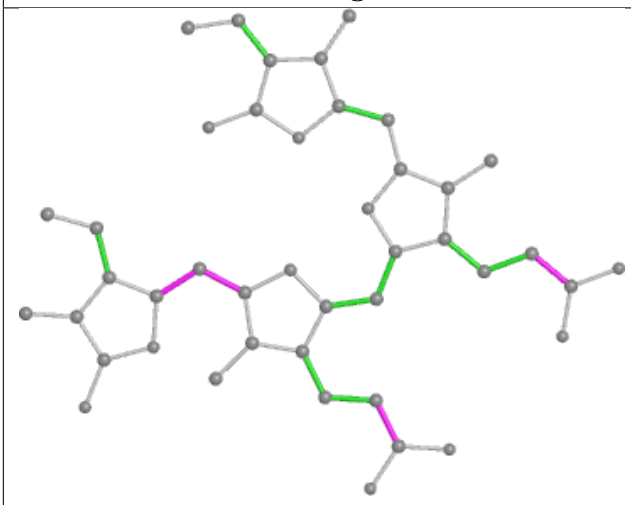

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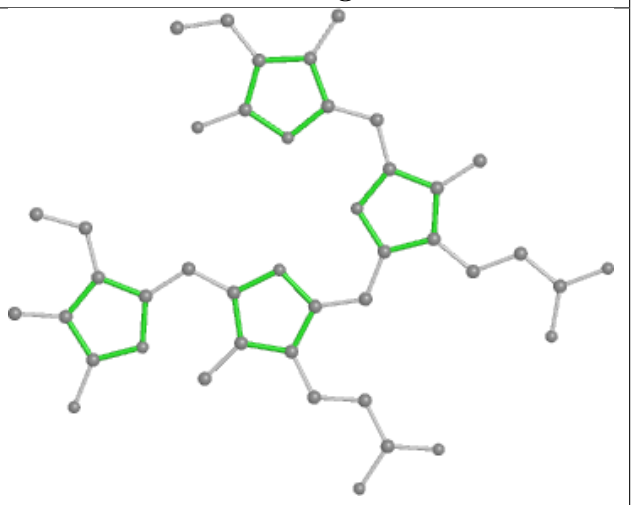
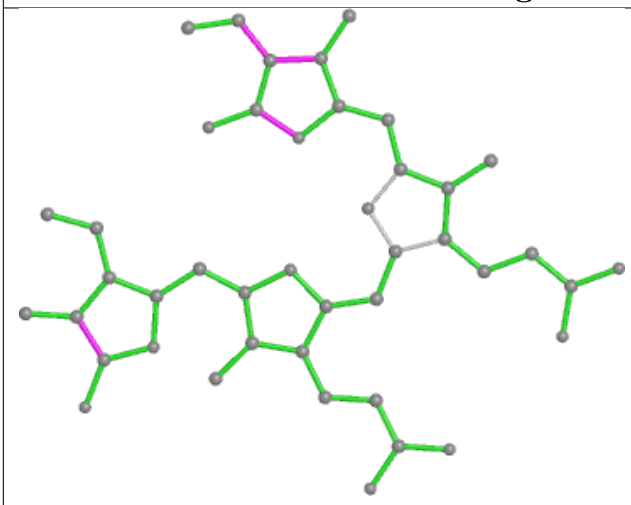


Rings

Ligand PEB dP 201



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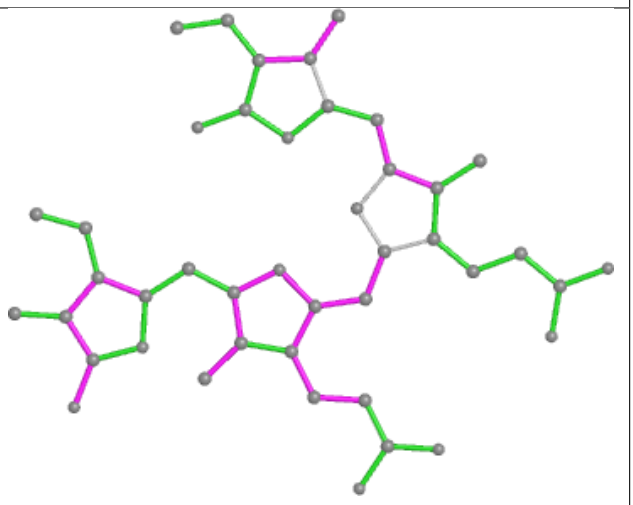

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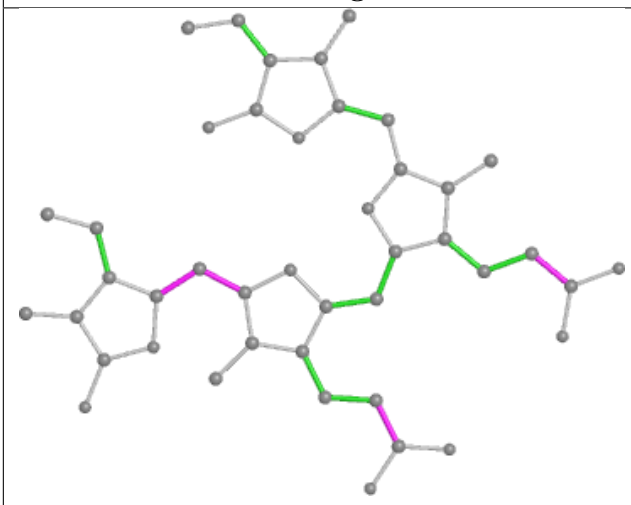

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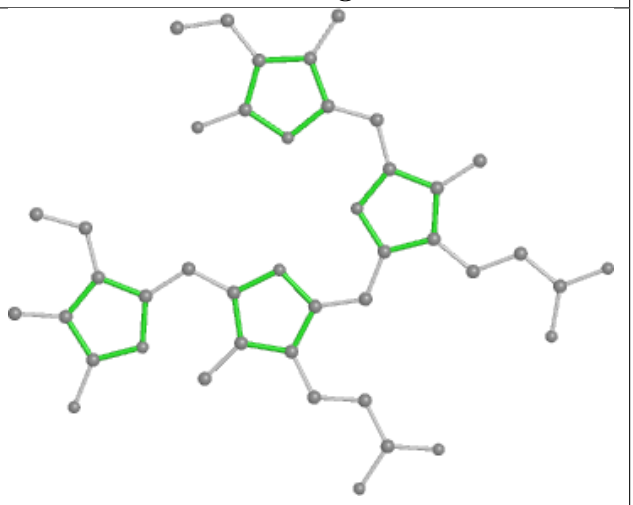

Rings

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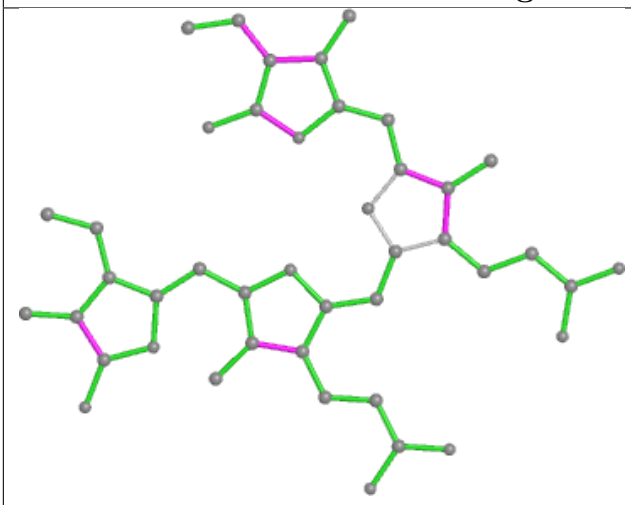

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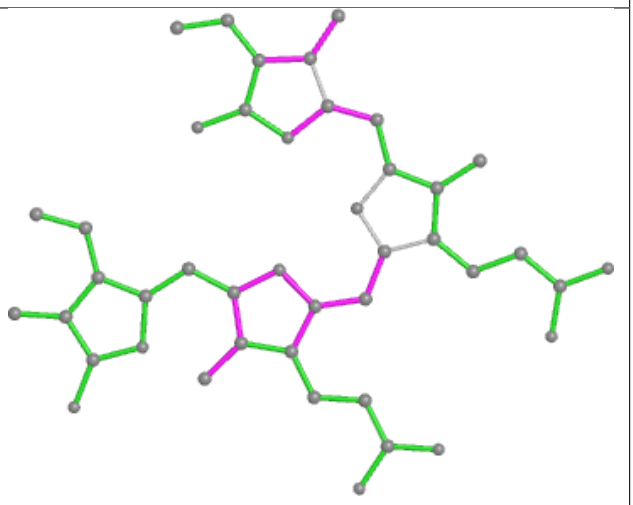

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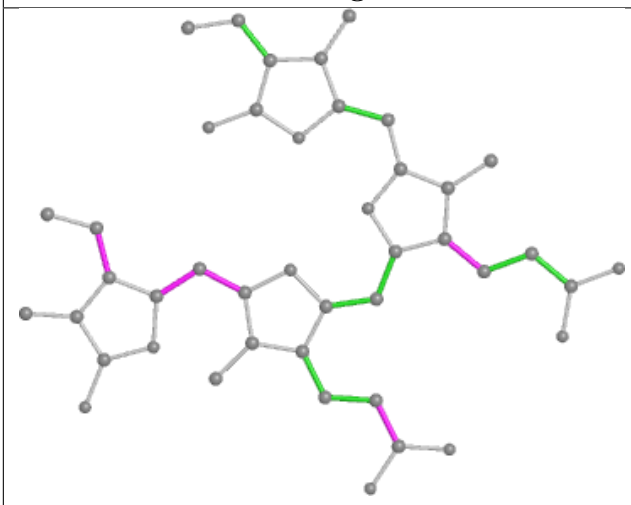

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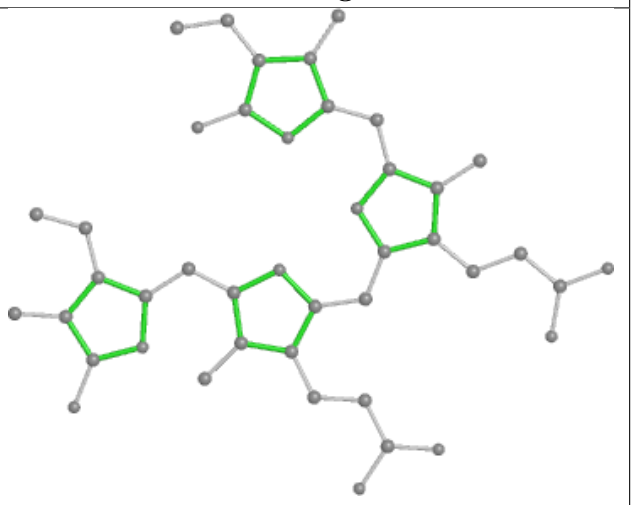

Rings

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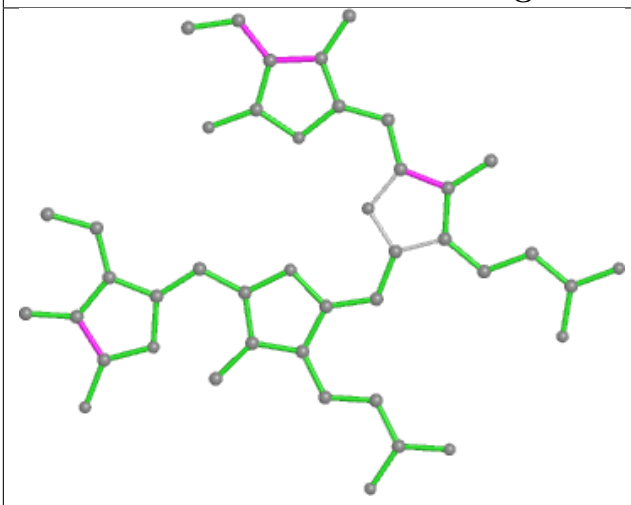

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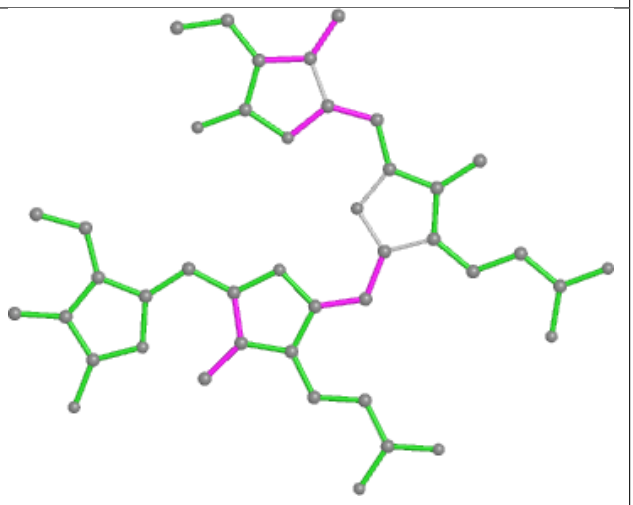

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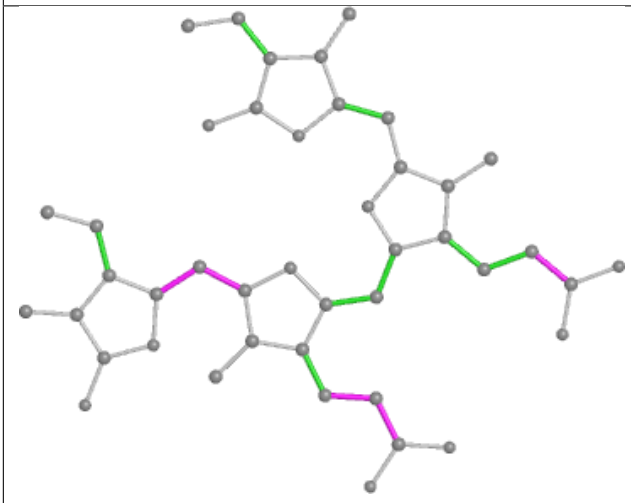

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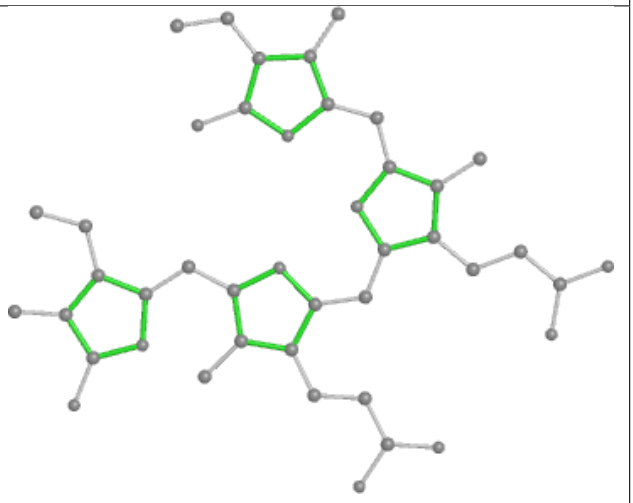

Rings

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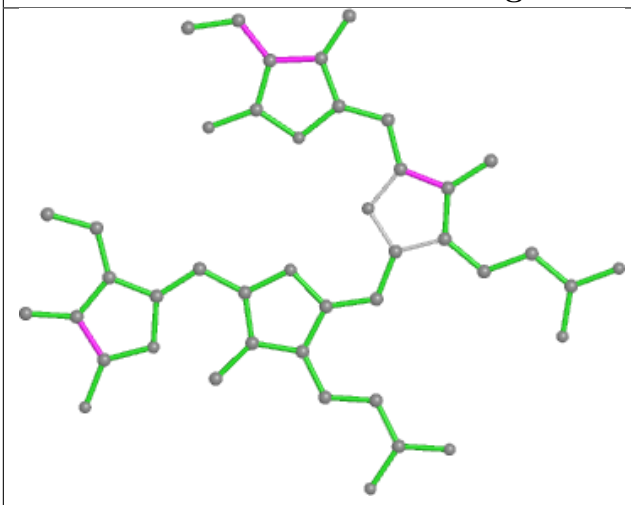

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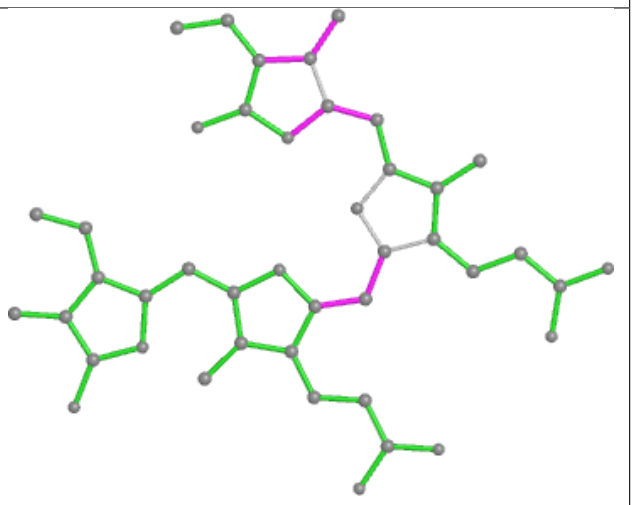

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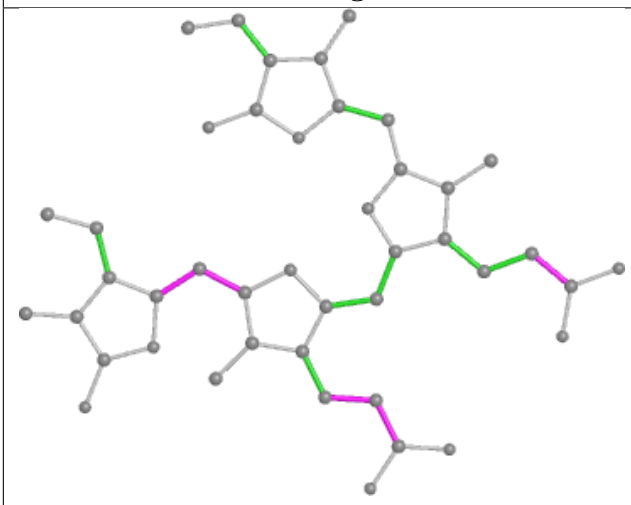

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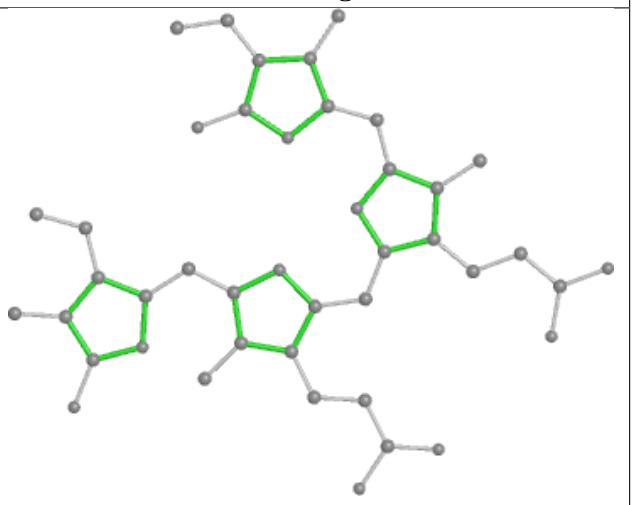

Rings

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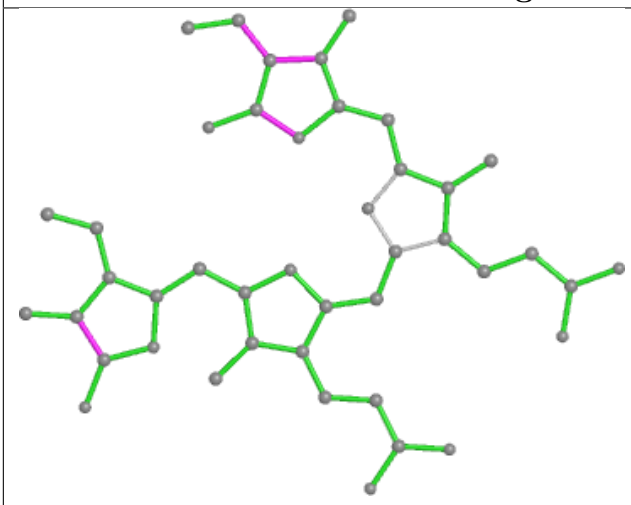

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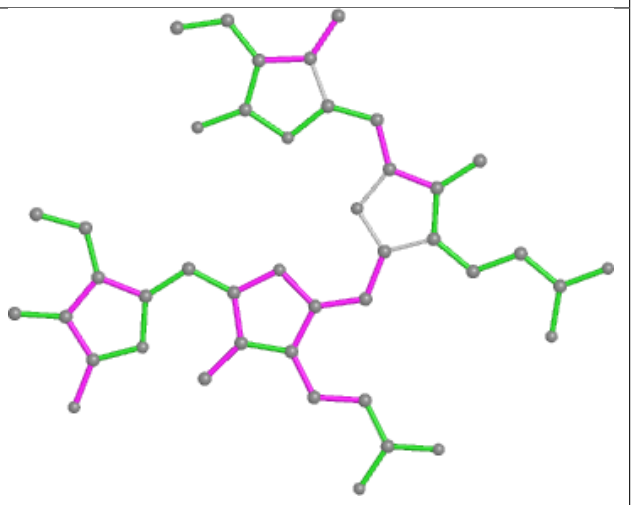

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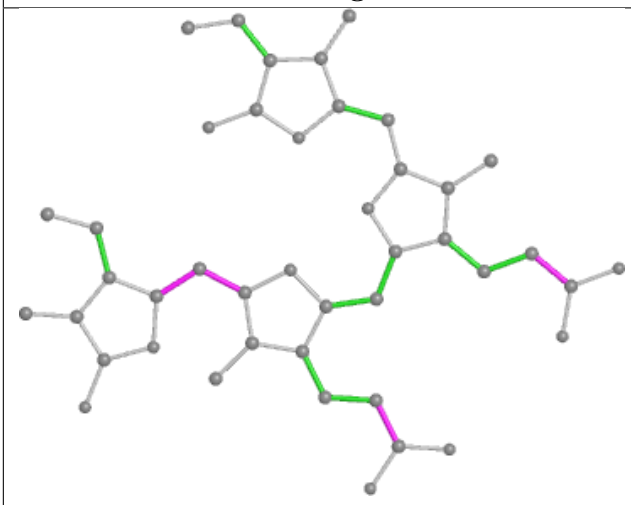

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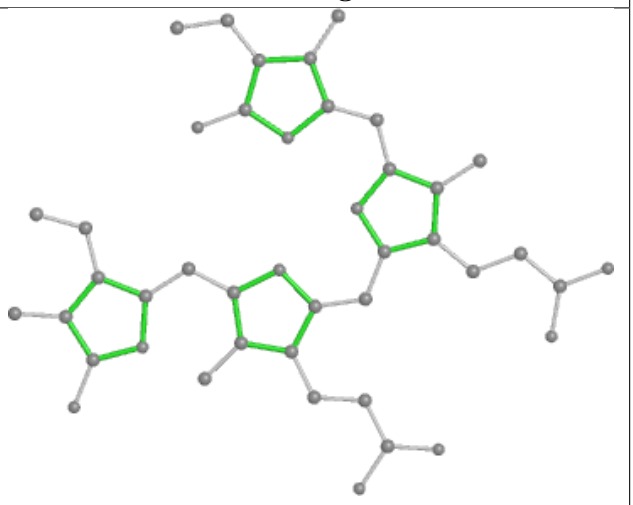
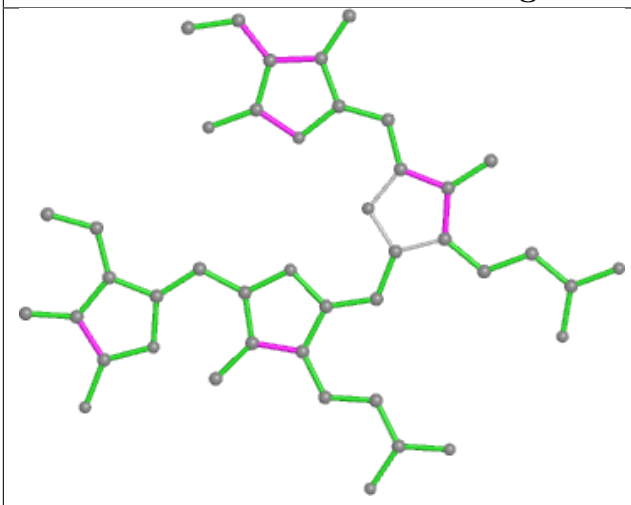


Rings

Ligand PEB v3 202



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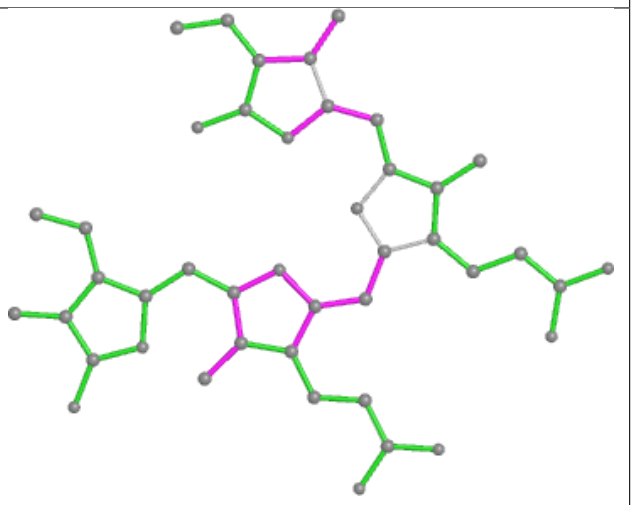

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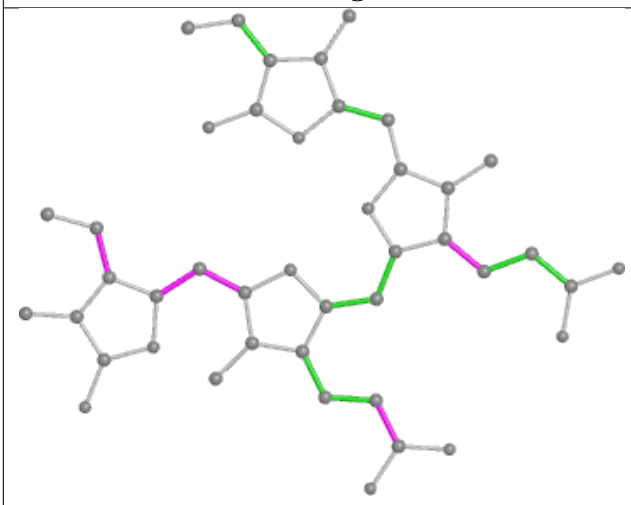

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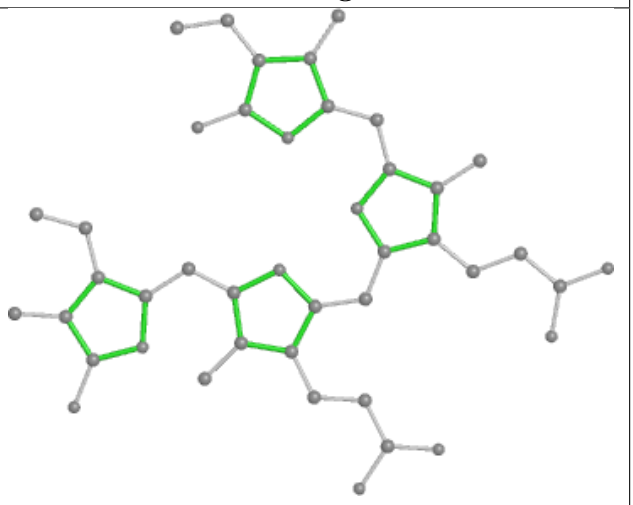

Rings

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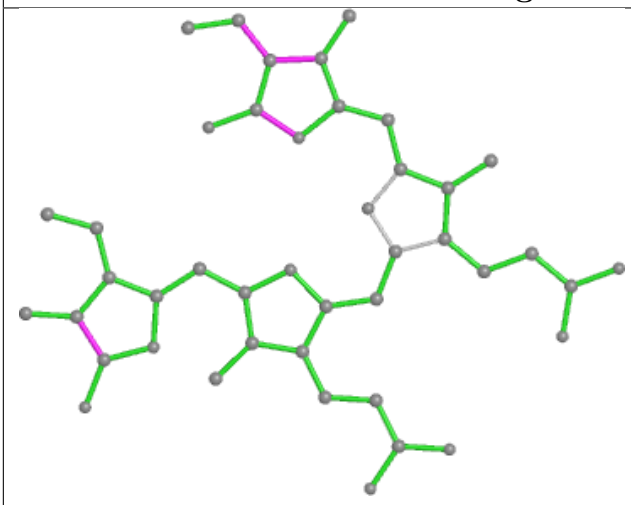

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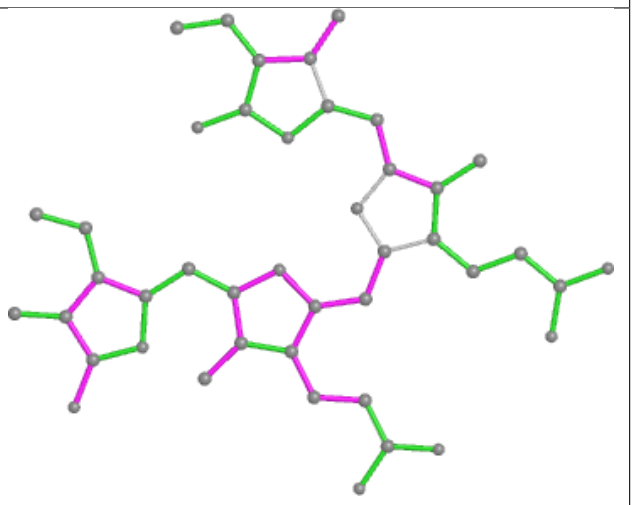

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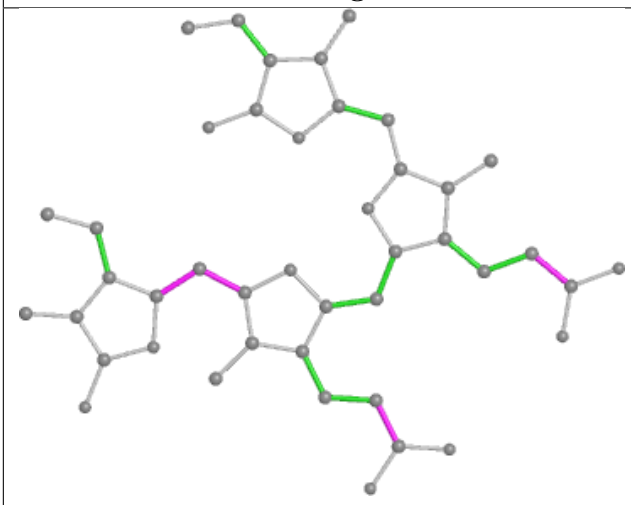

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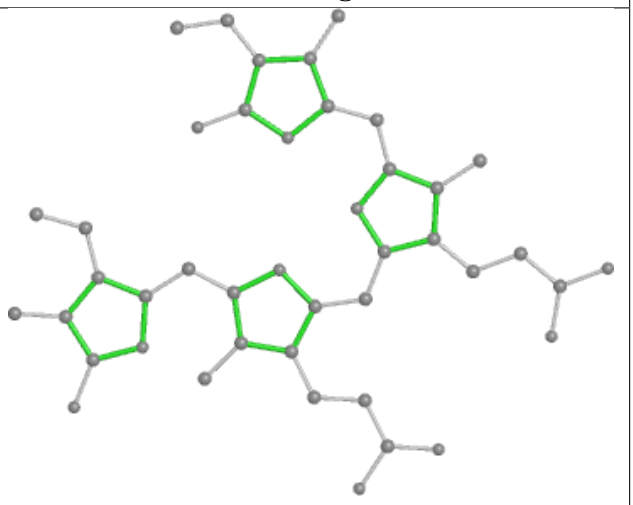
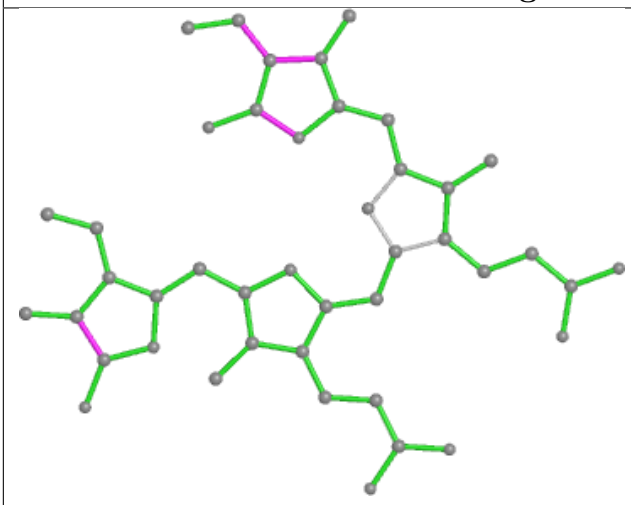


Rings

Ligand PEB k8 202



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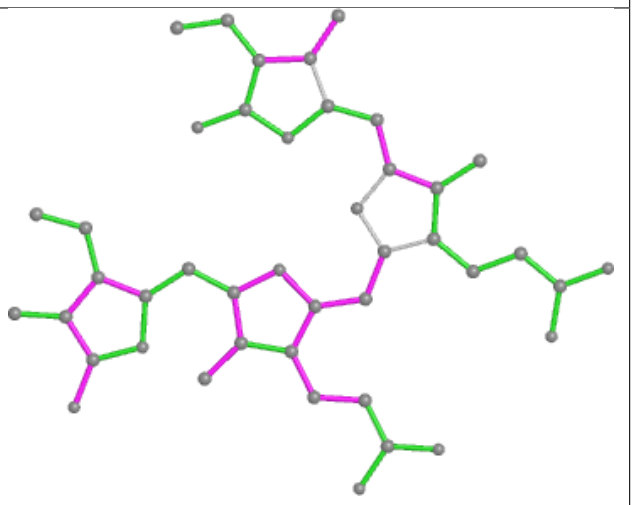

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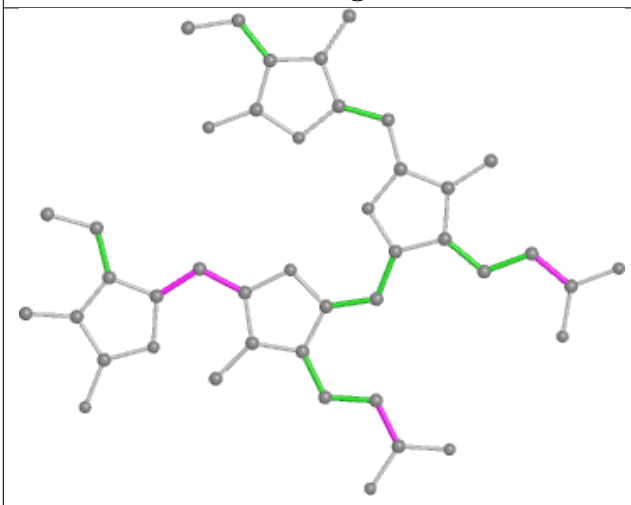

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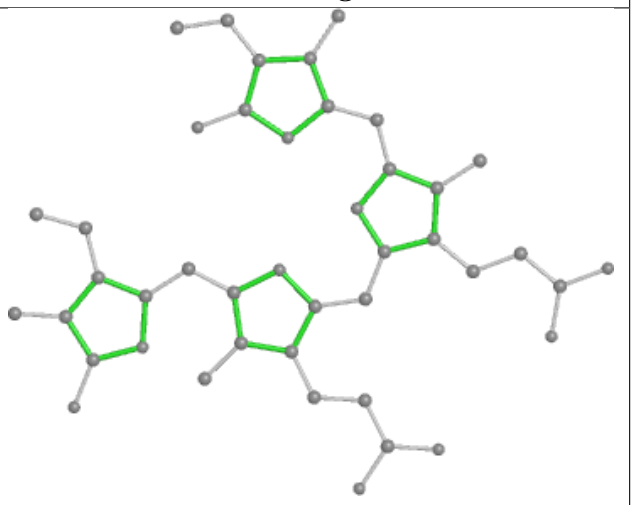

Rings

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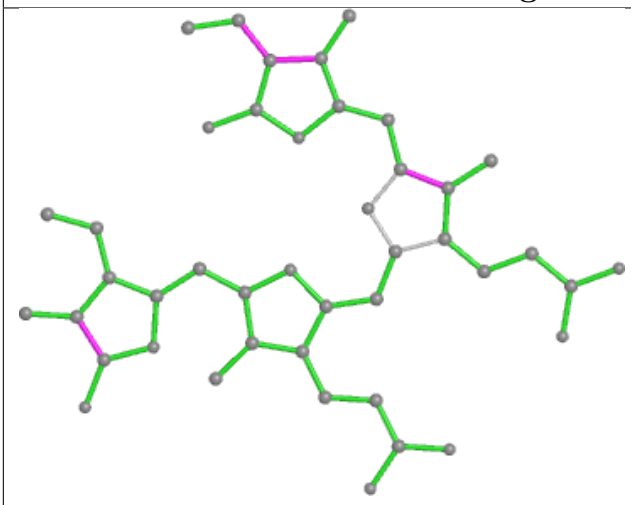

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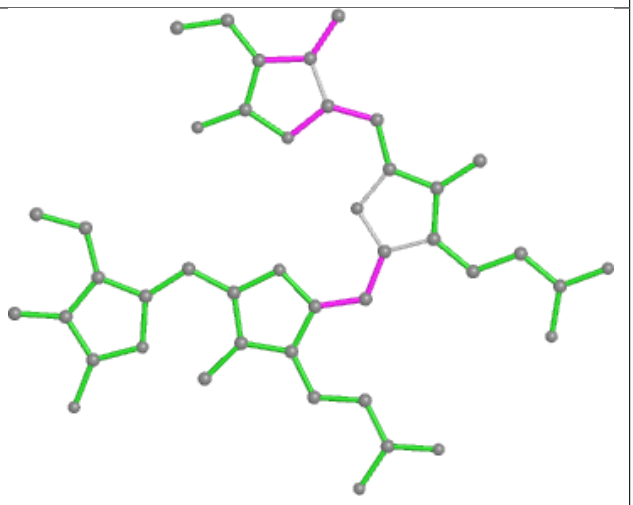

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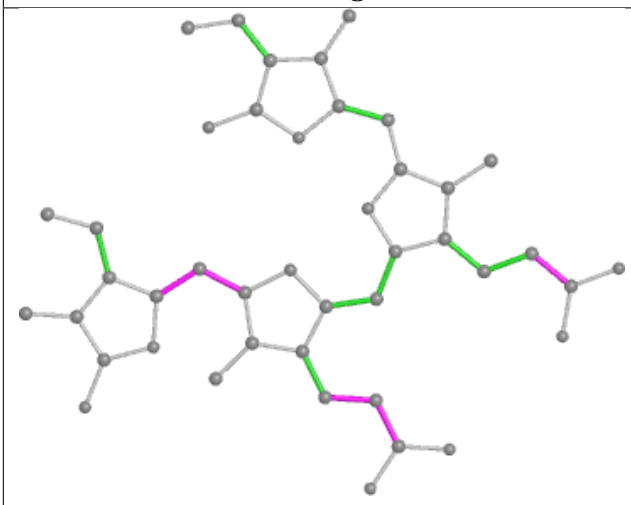

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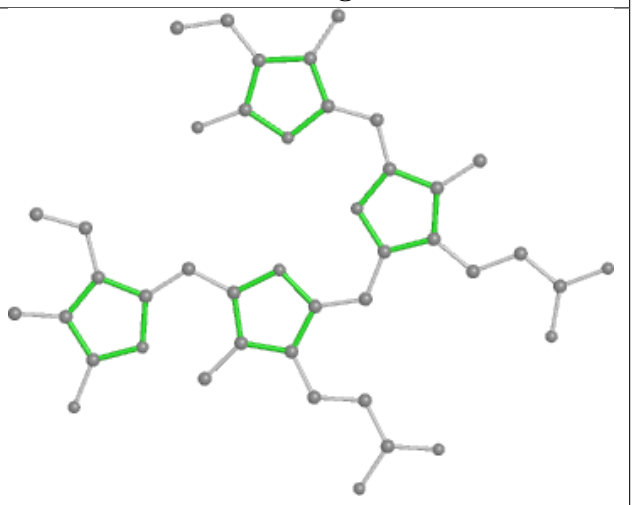
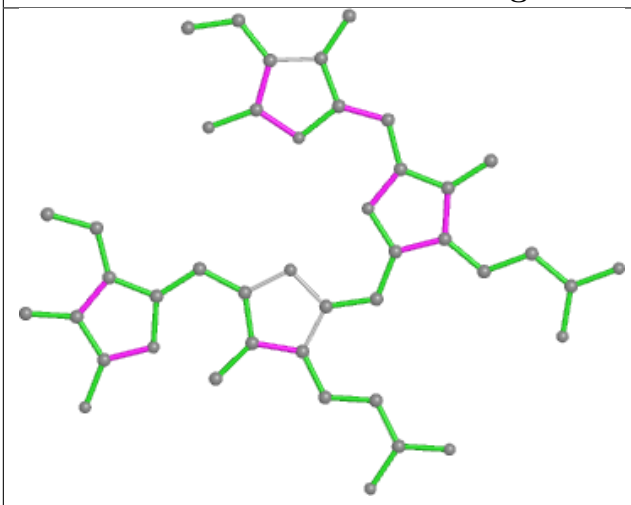
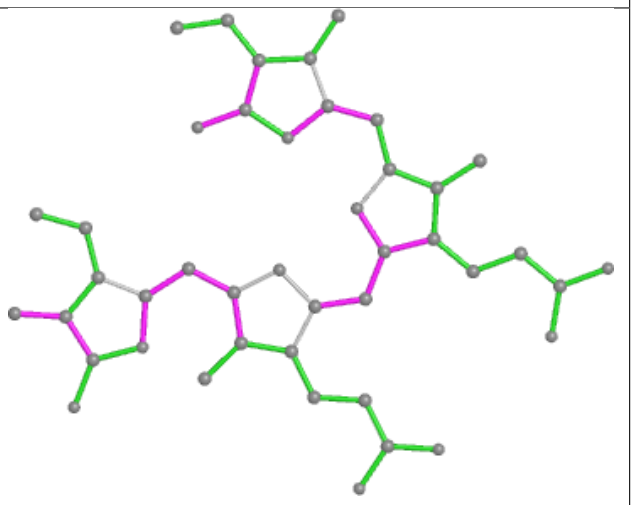


Rings

Ligand PUB iE 1003



Bond lengths



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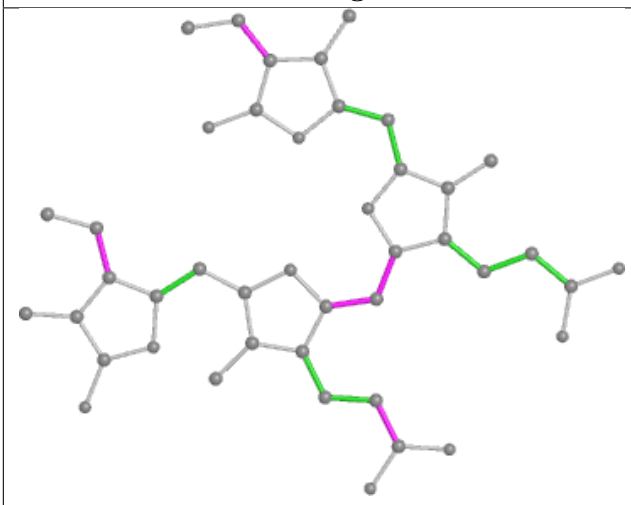
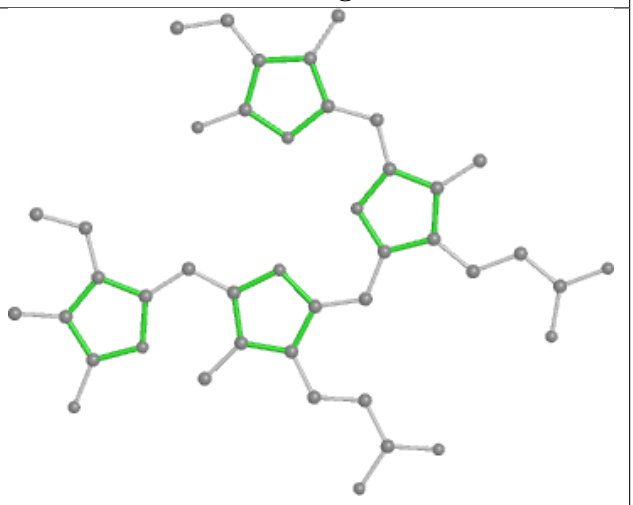
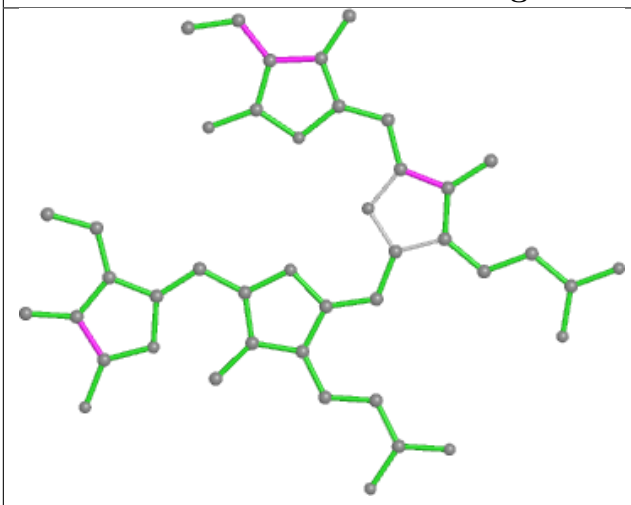


Torsions



Rings

Ligand PEB k7 1002



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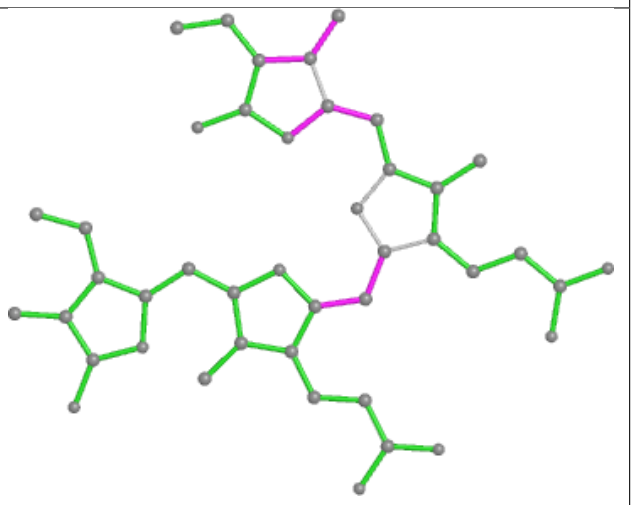

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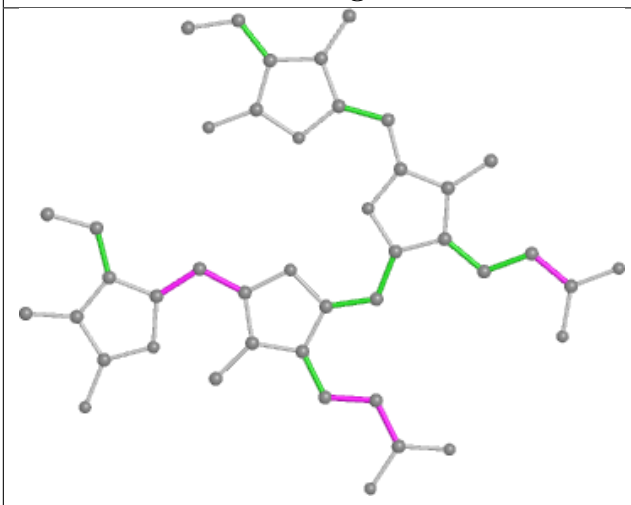

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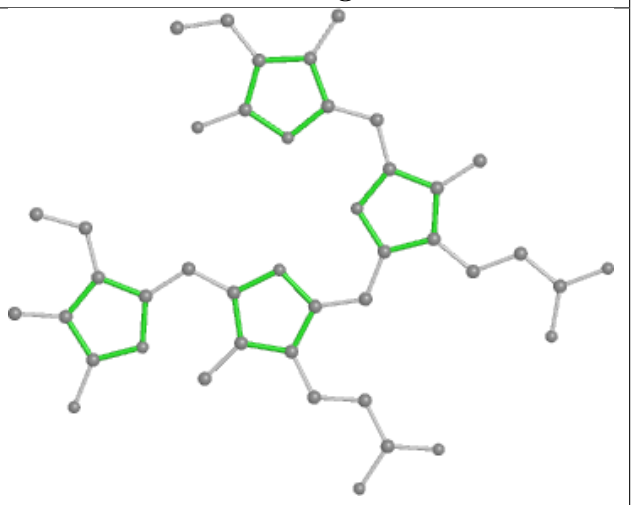
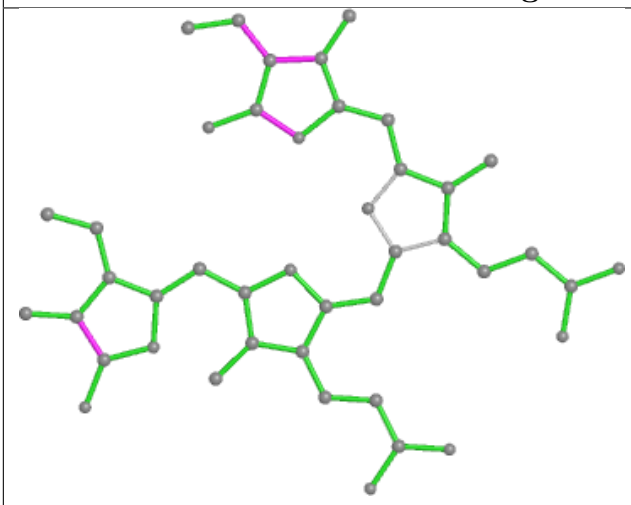


Rings

Ligand PEB ee 201



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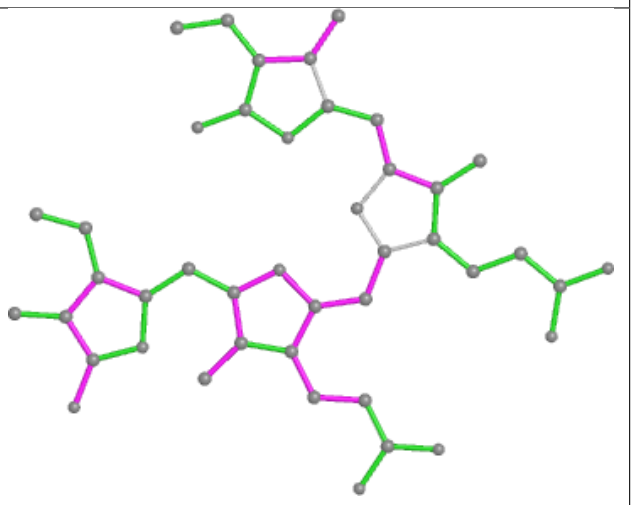

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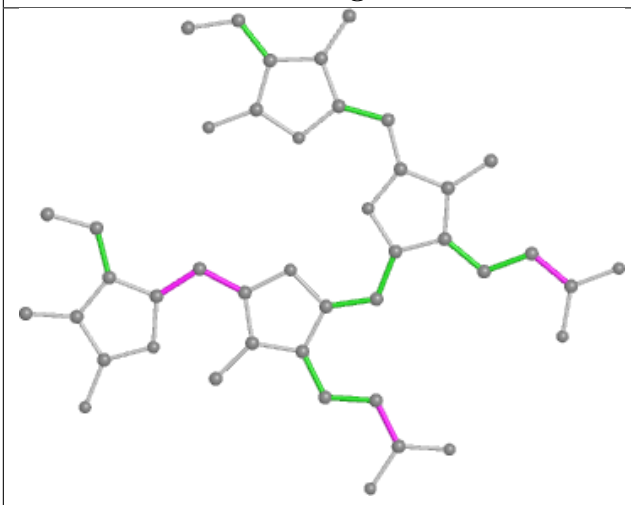

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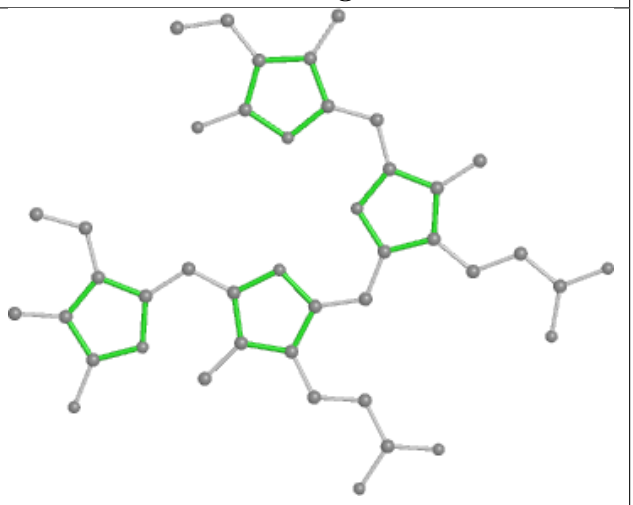
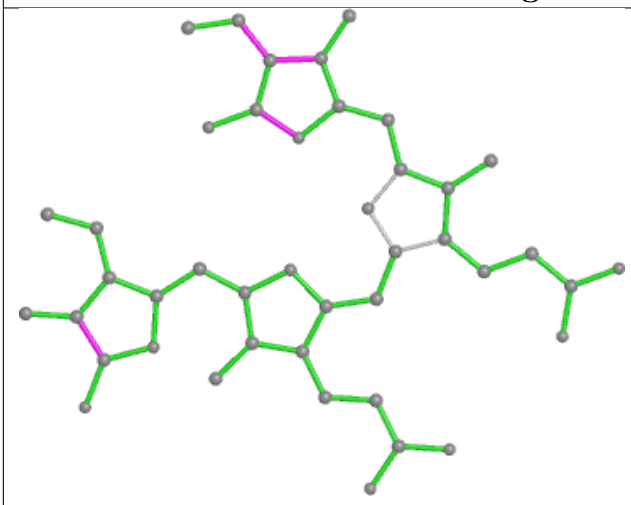


Rings

Ligand PEB t9 201



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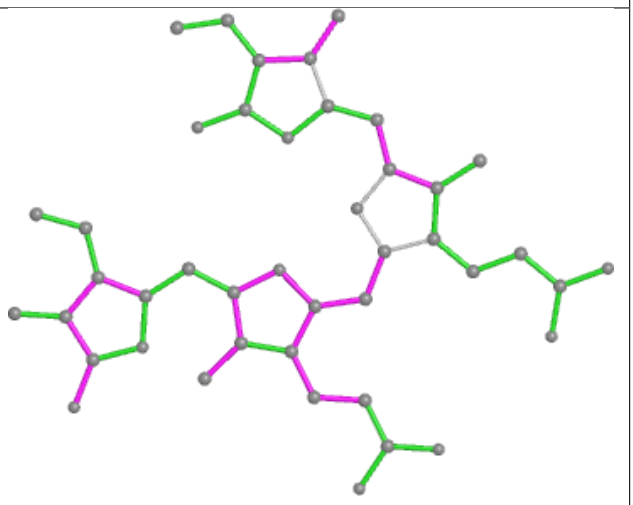

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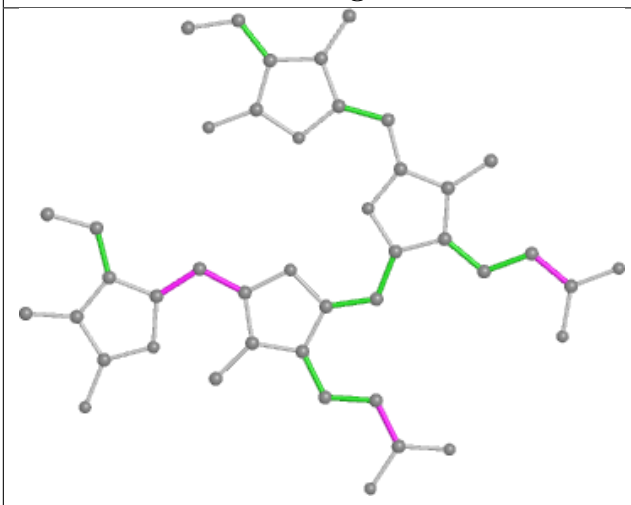

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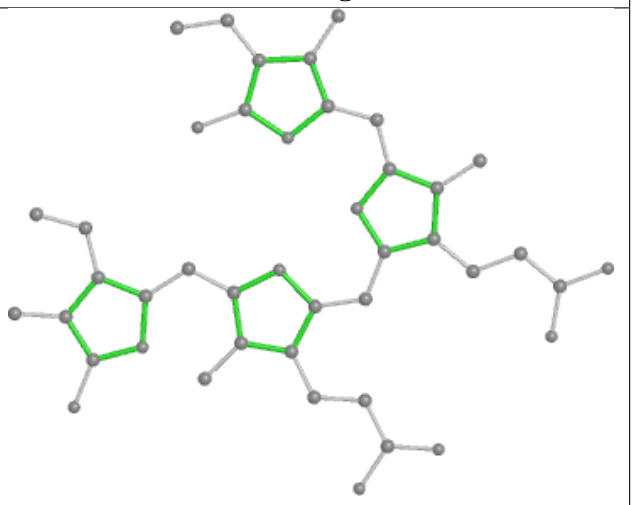

Rings

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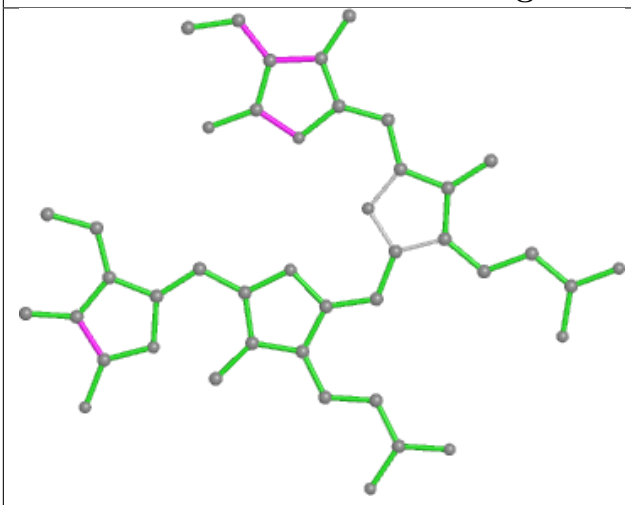

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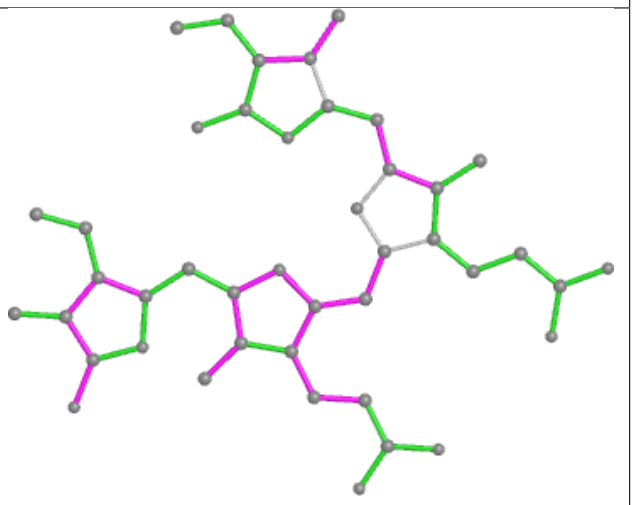

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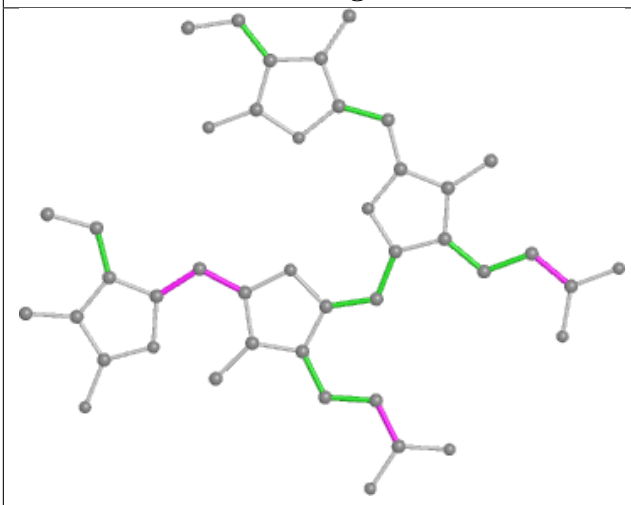

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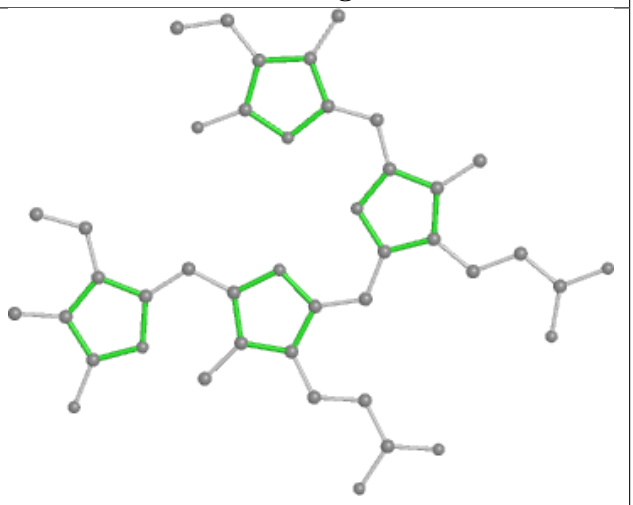
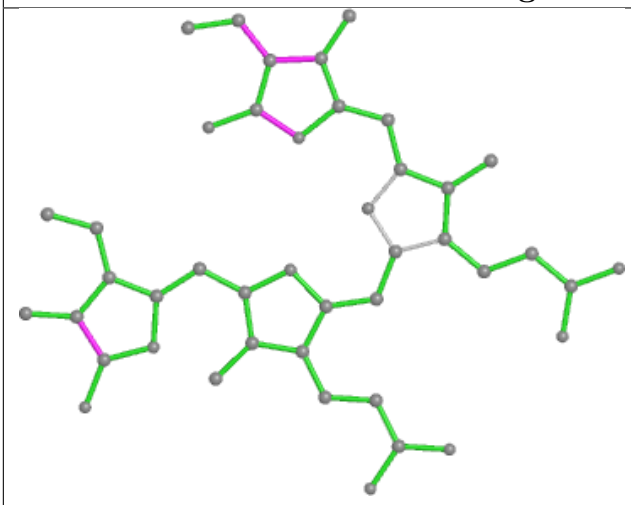


Rings

Ligand PEB eF 201



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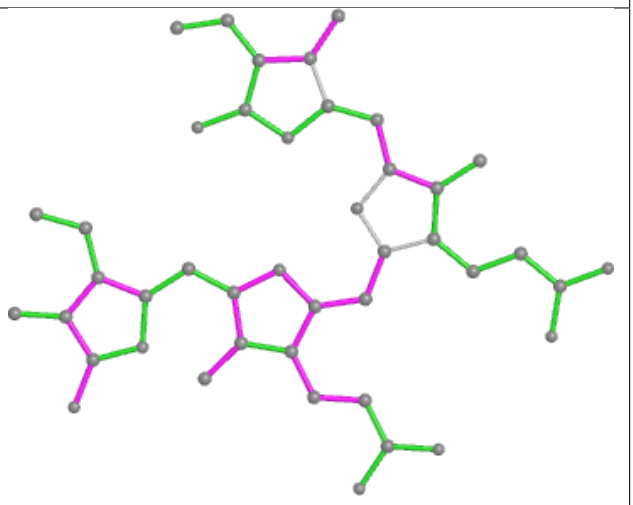

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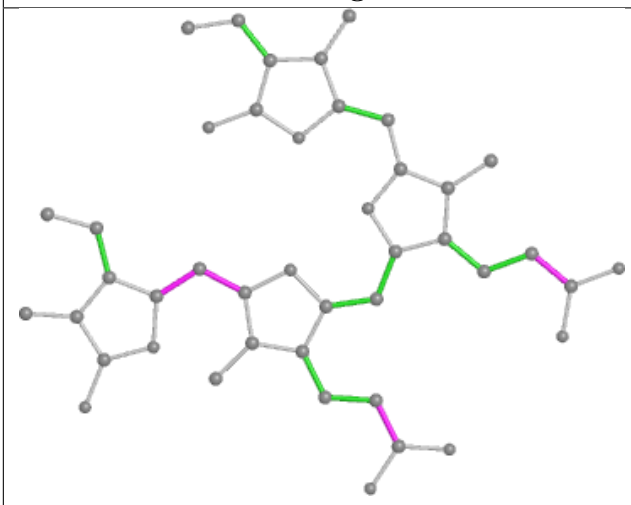

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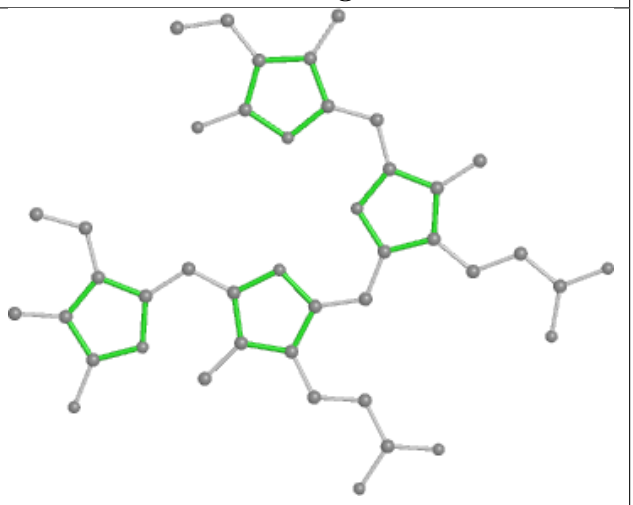

Rings

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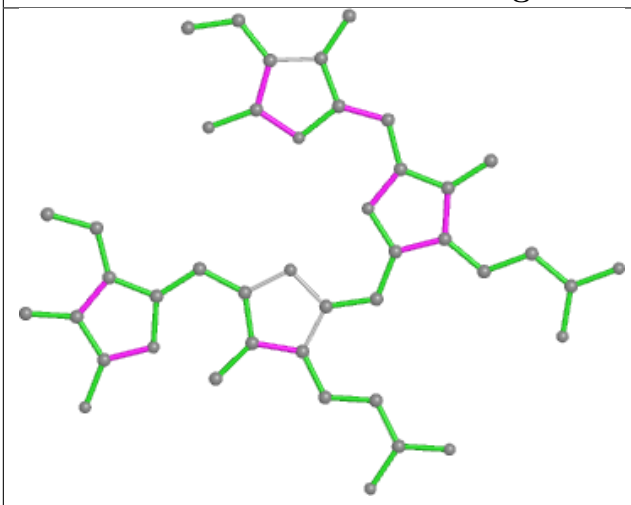

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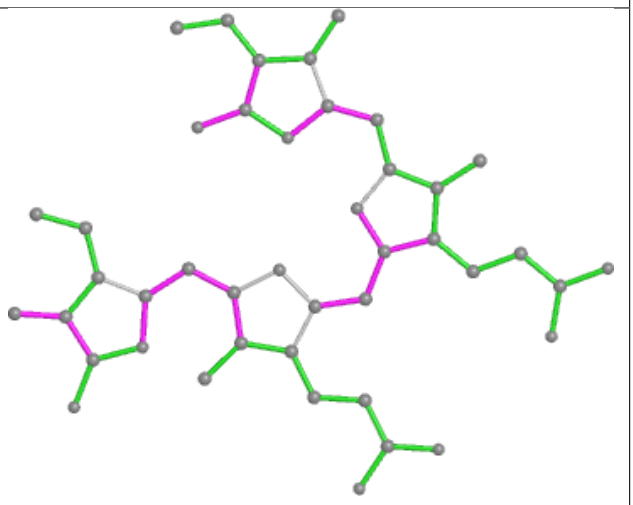

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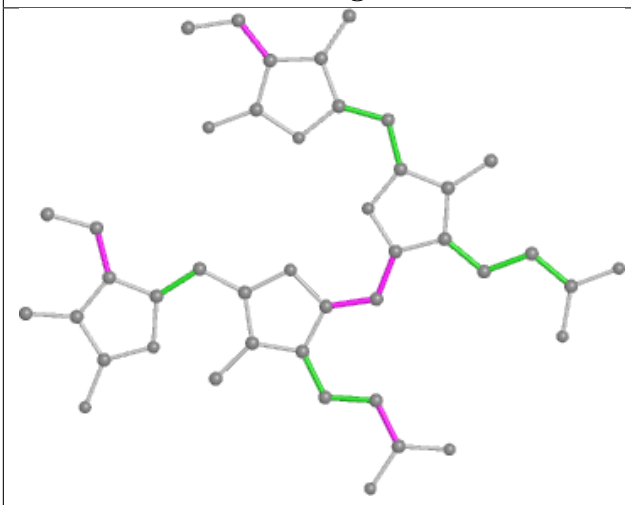

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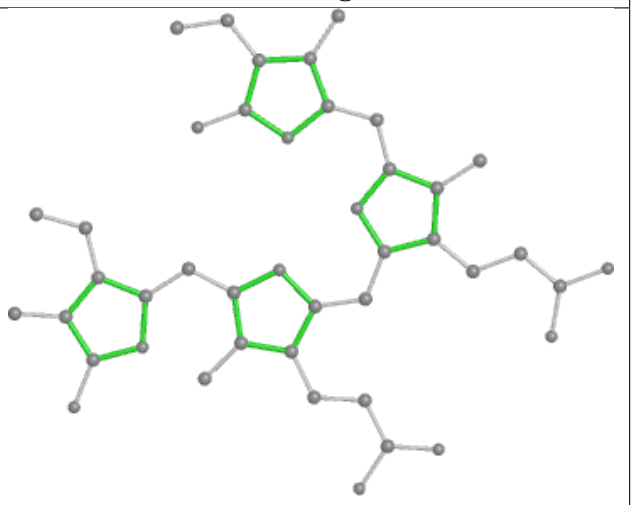

Rings

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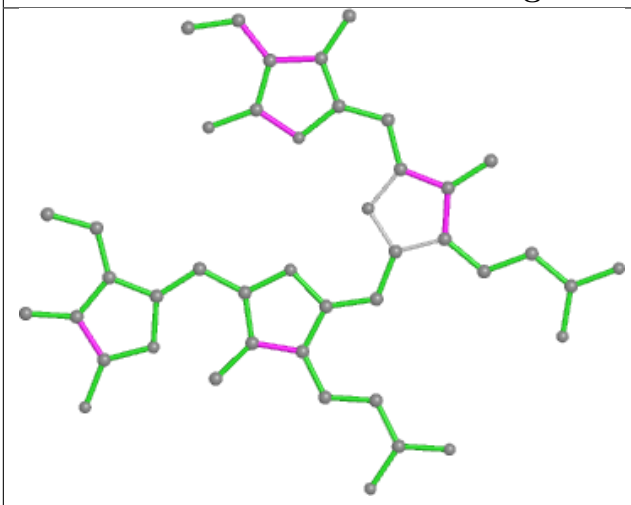

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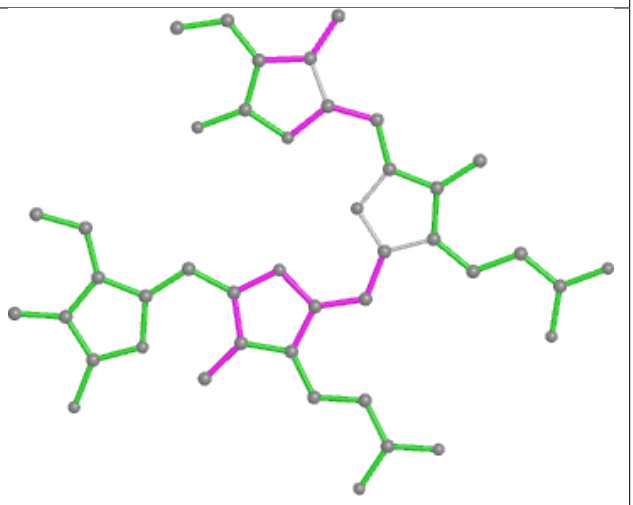

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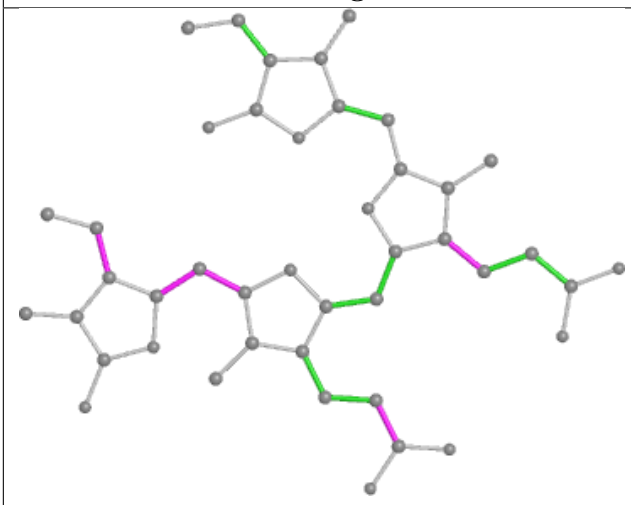

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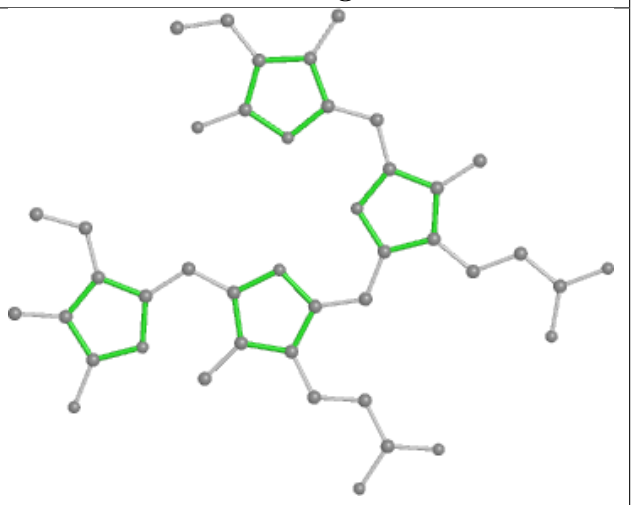
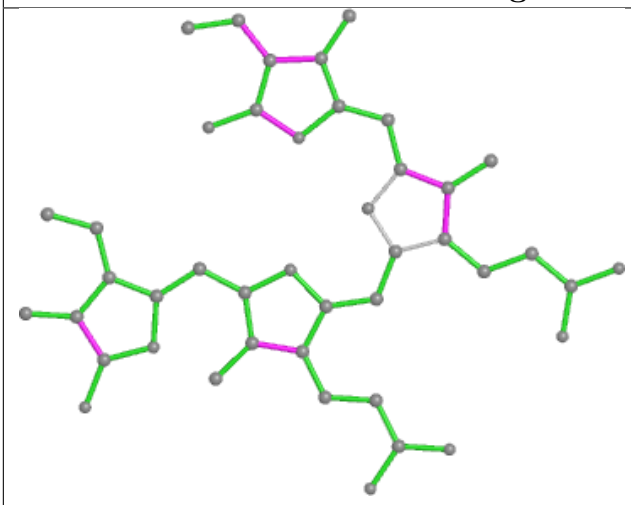


Rings

Ligand PEB kS 1002



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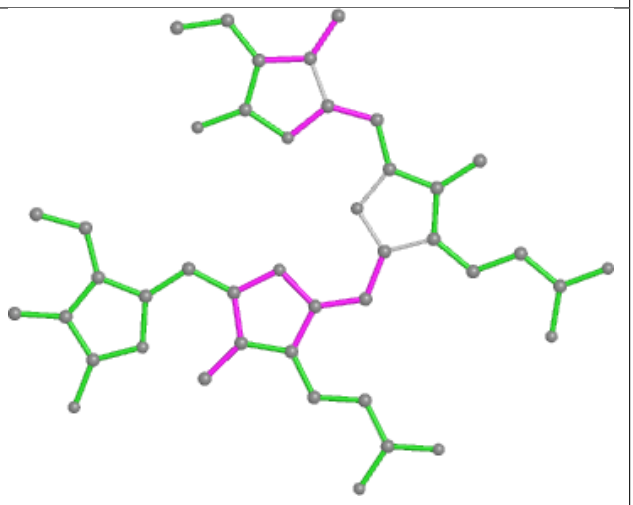

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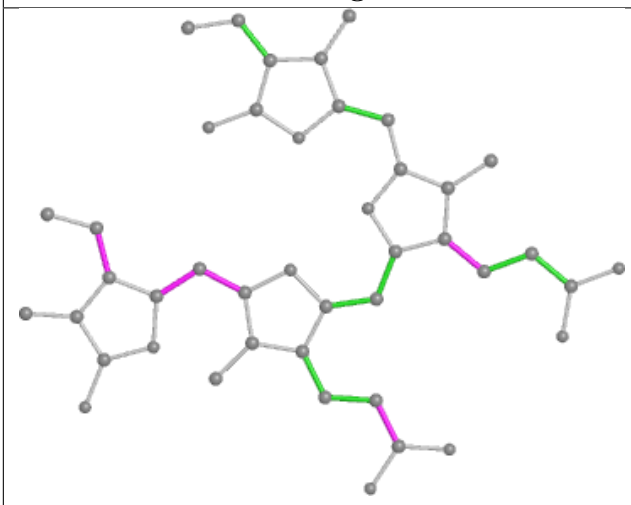

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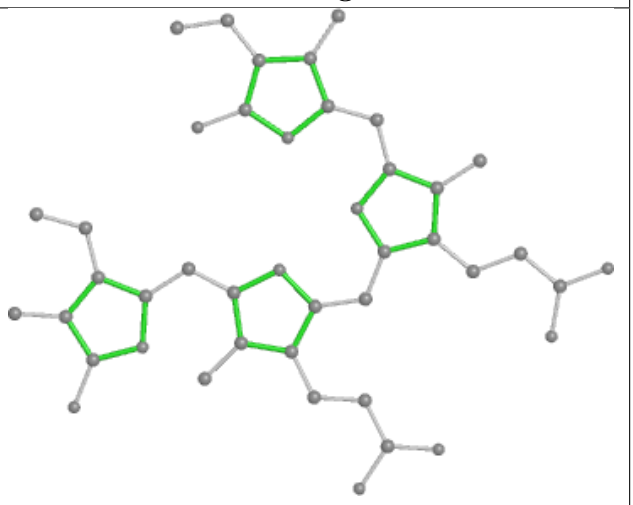
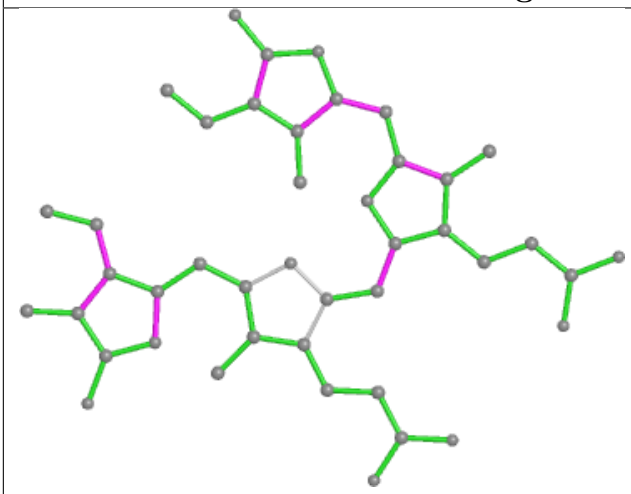


Rings

Ligand PVN eZ 402



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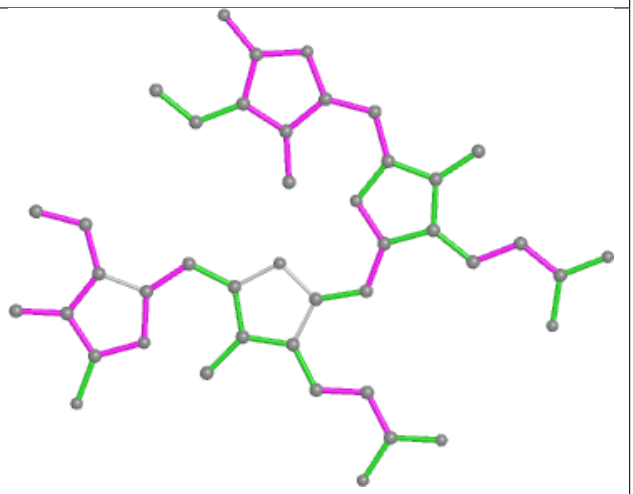

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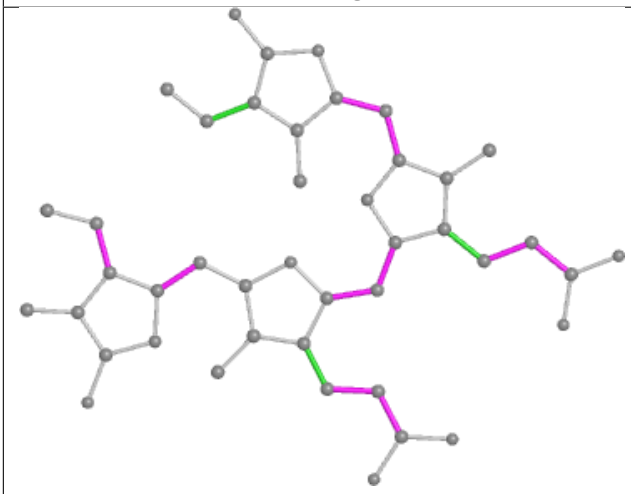

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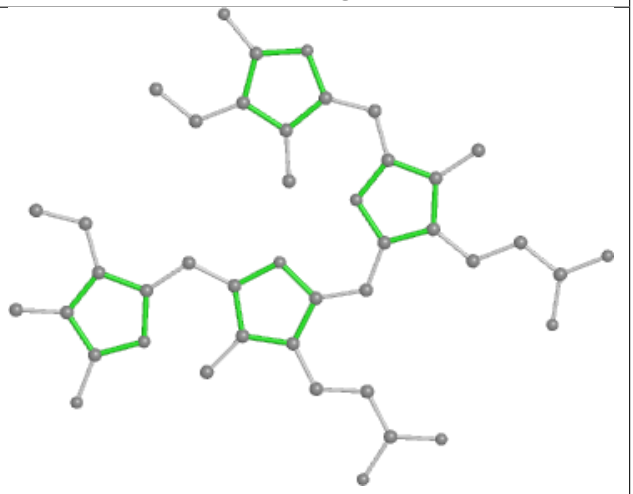
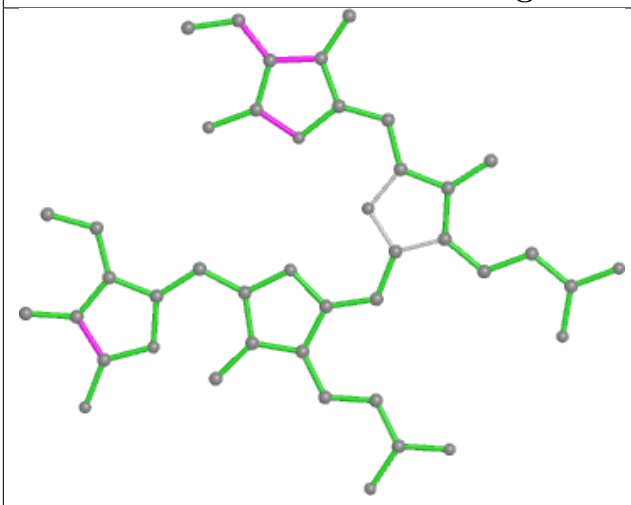


Rings

Ligand PEB cU 202



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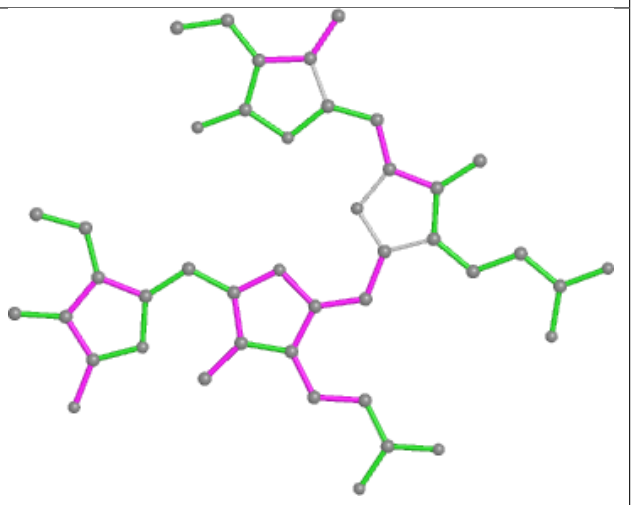

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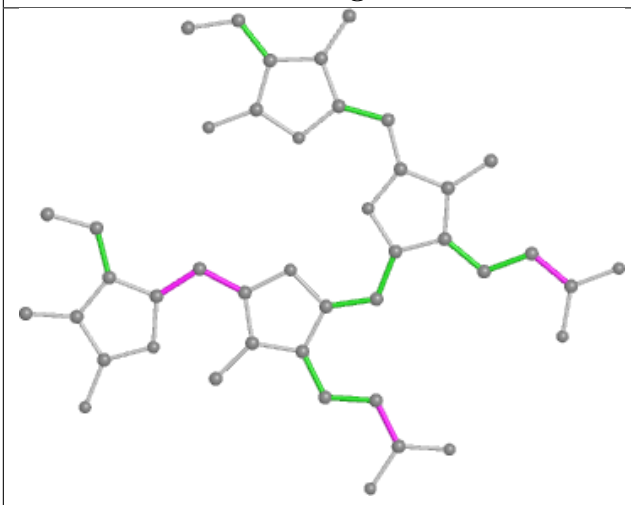

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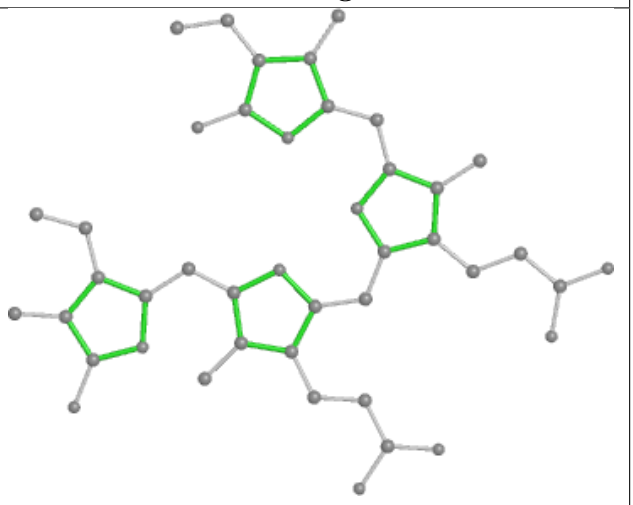
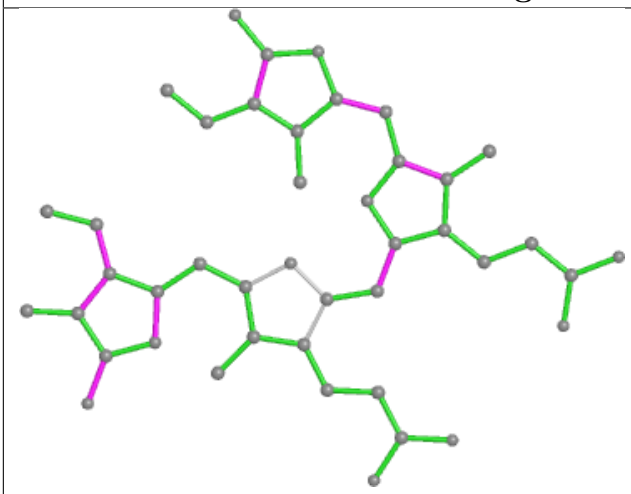


Rings

Ligand PVN Z5 304



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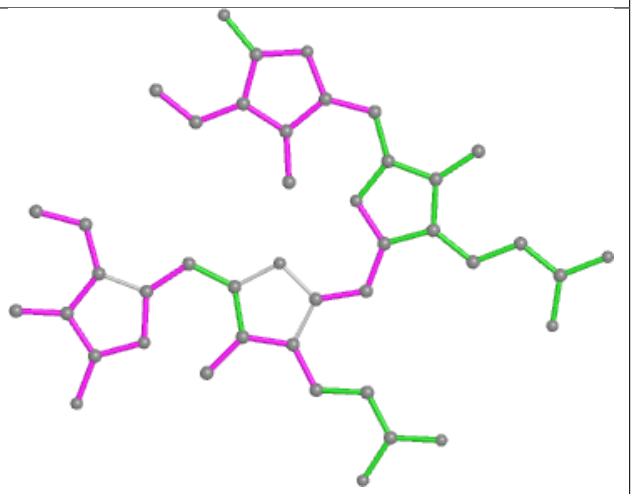

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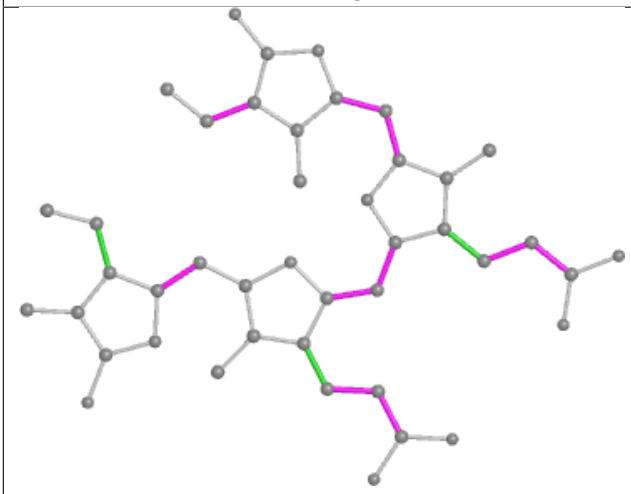

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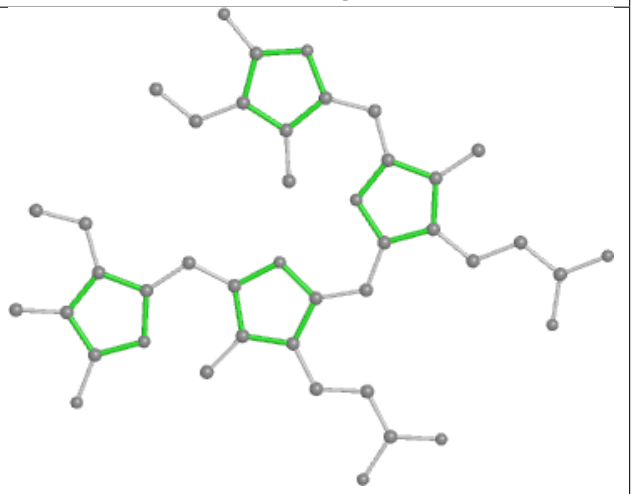
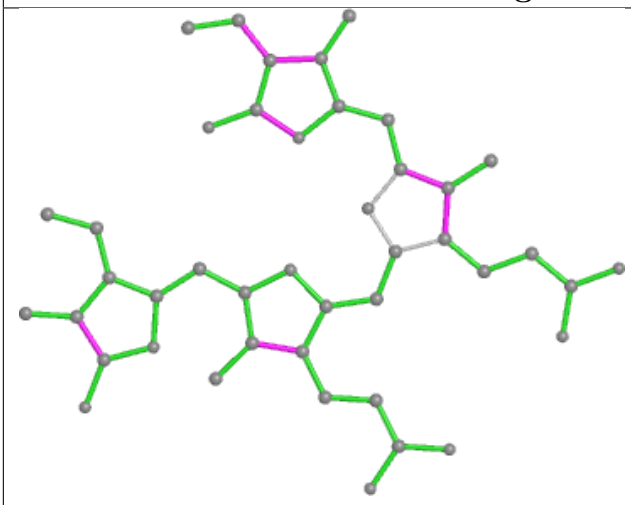


Rings

Ligand PEB N7 202



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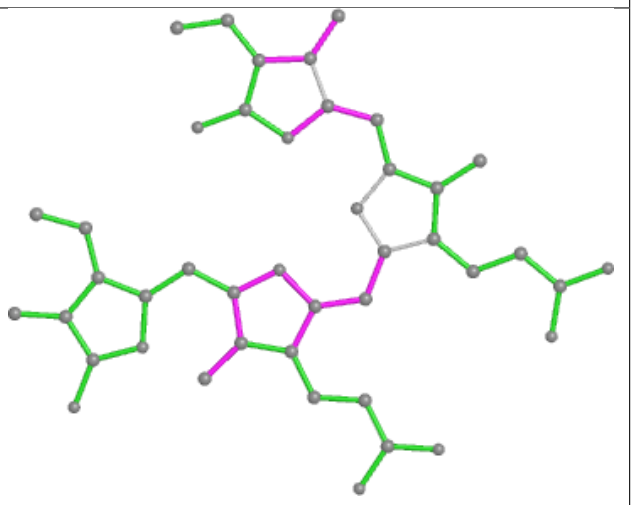

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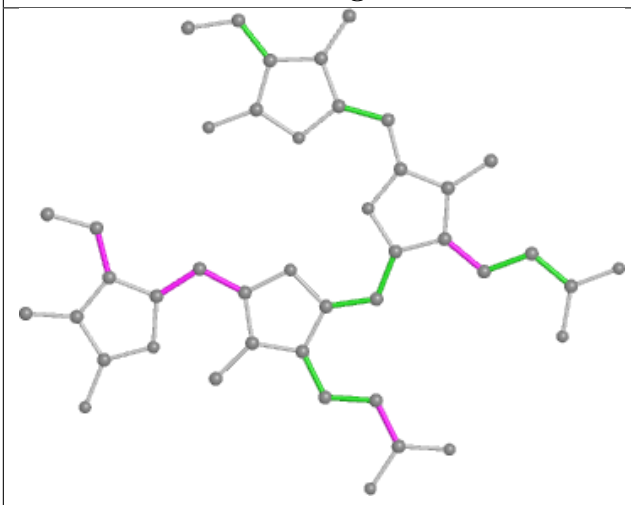

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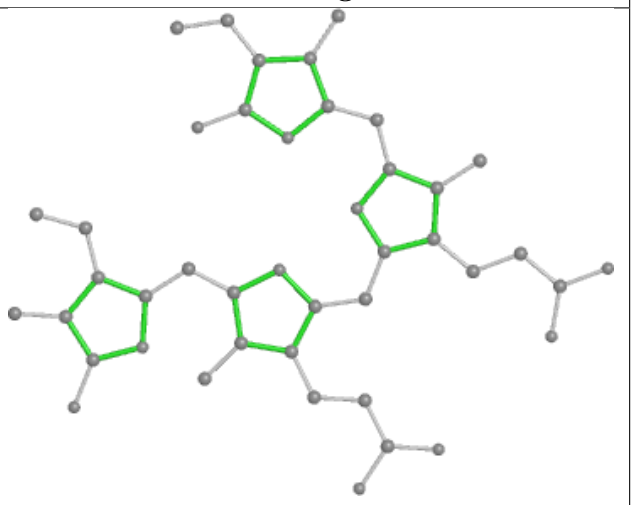
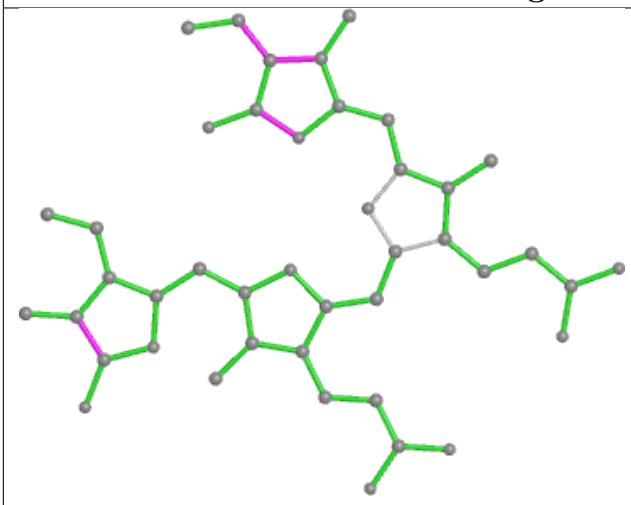


Rings

Ligand PEB ll 201



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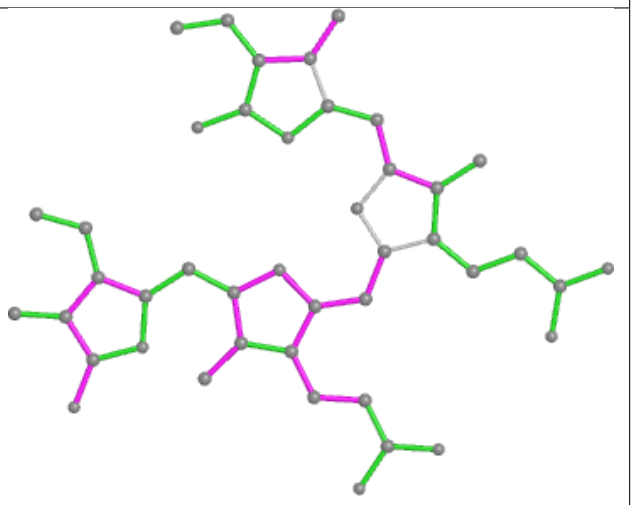
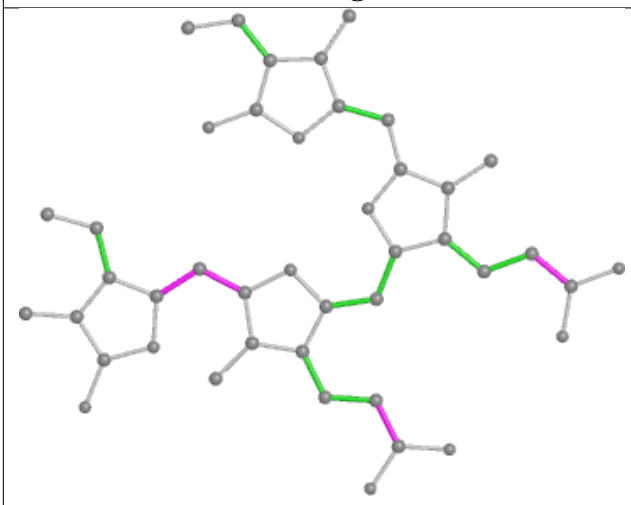
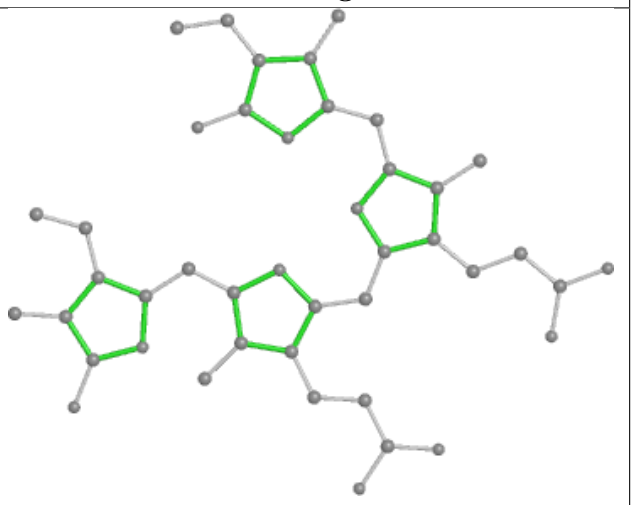


Bond angles

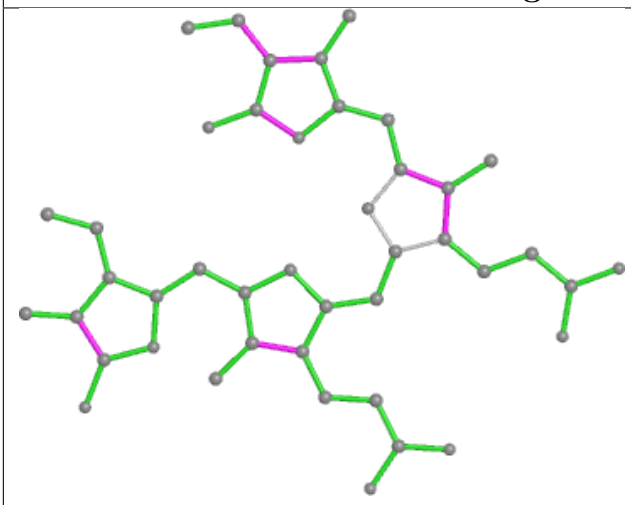


Torsions



Rings

Ligand PEB j2 202



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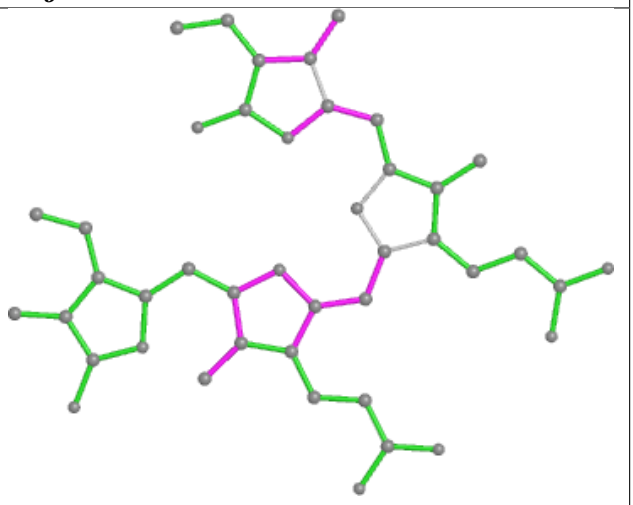

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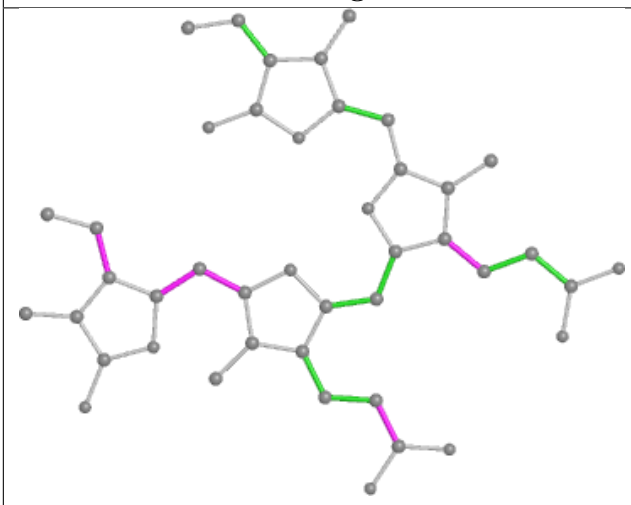

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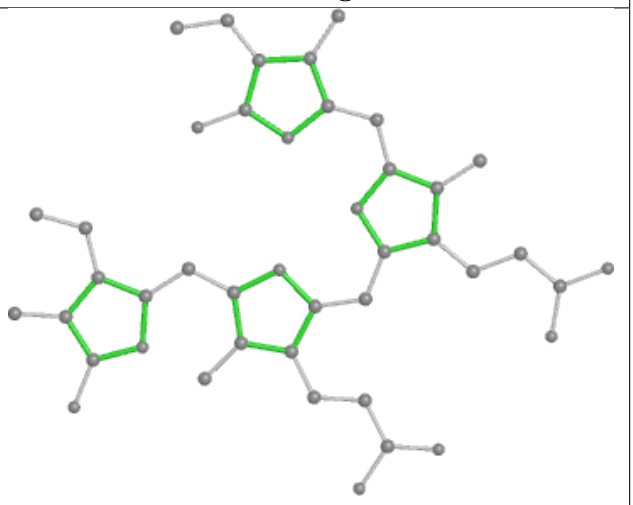
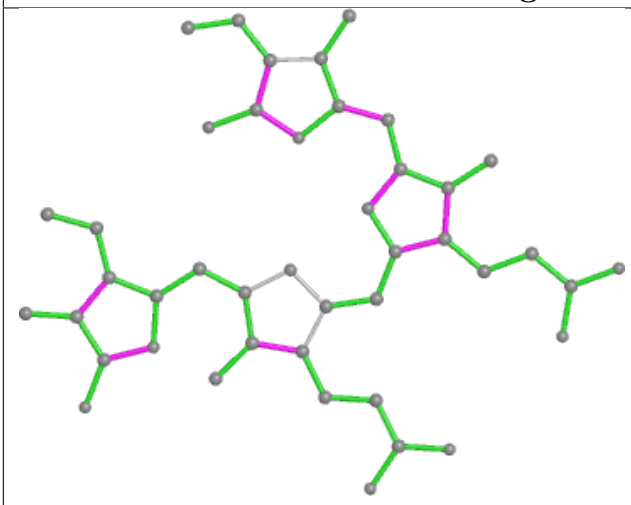


Rings

Ligand PUB t6 203



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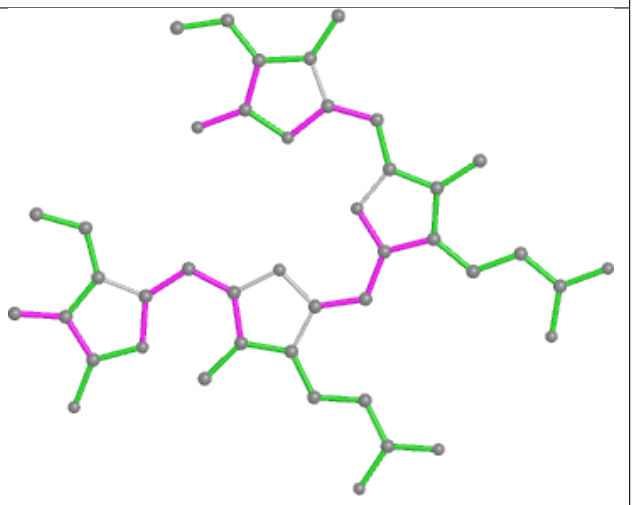

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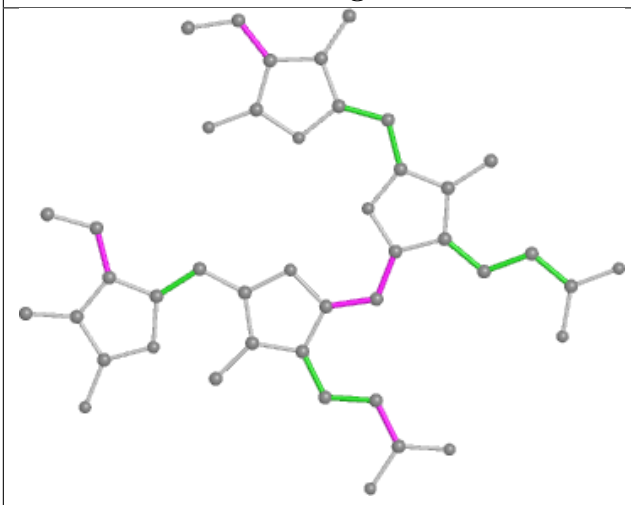

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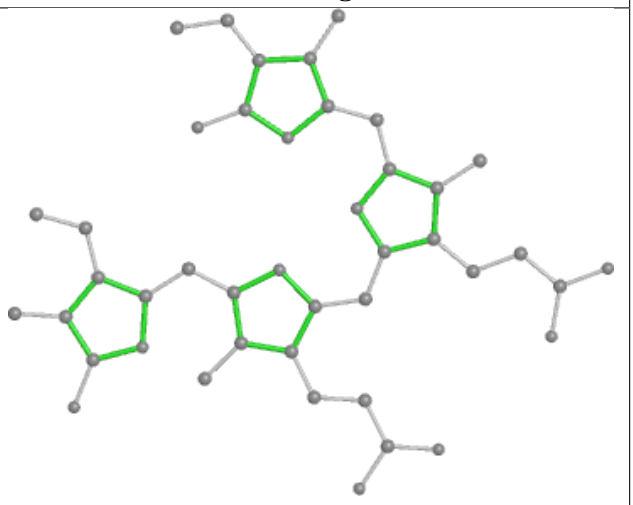
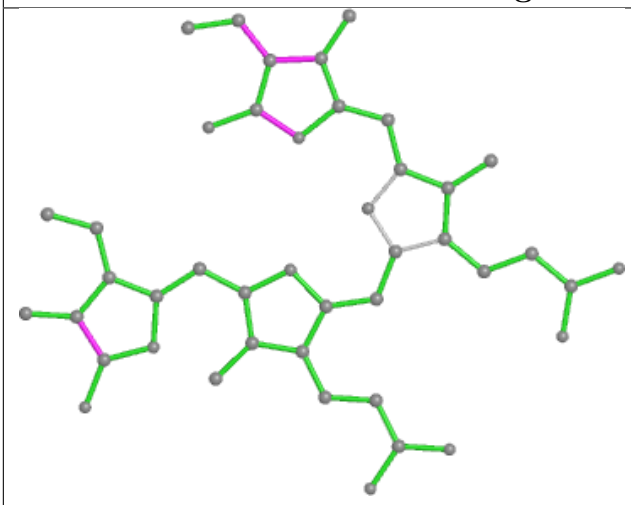


Rings

Ligand PEB dC 201



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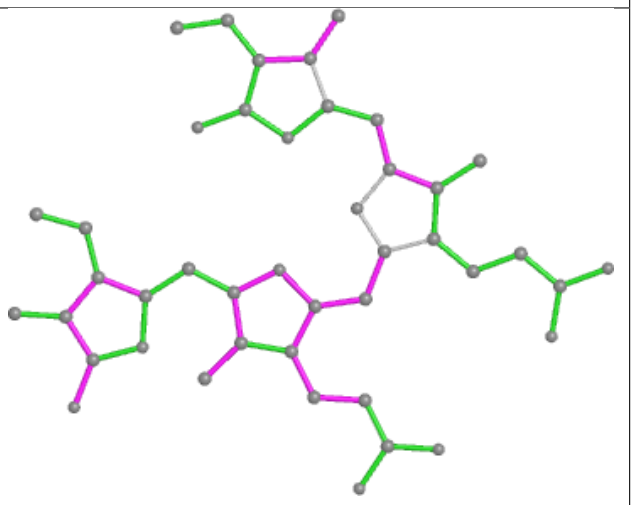
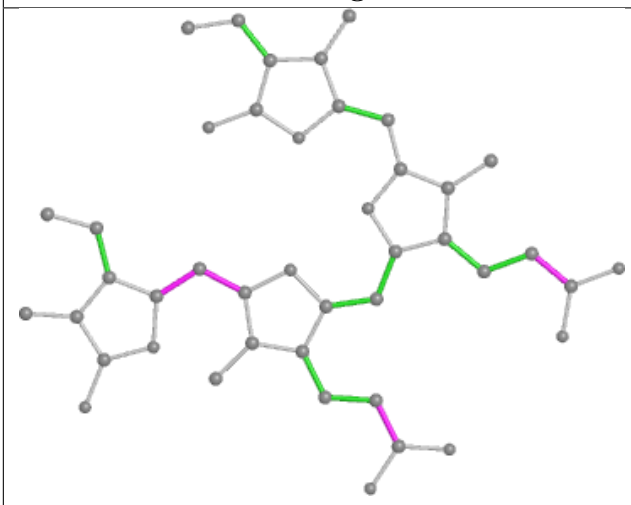


Bond angles



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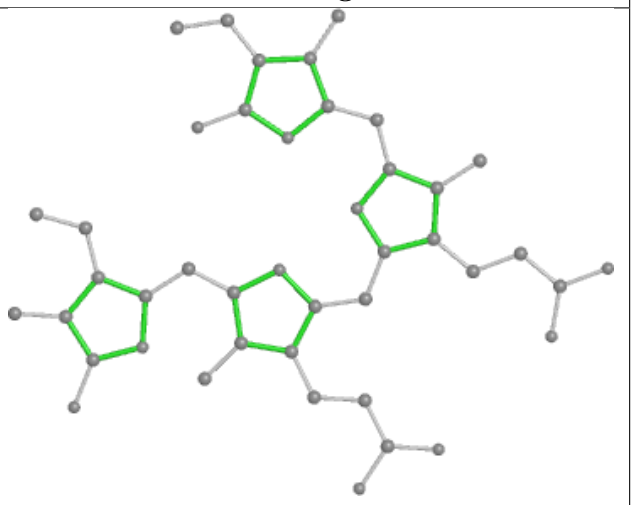
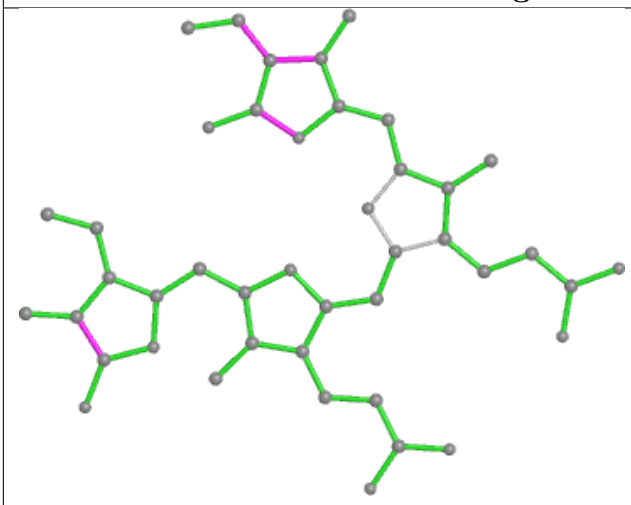


Rings

Ligand PEB cM 201



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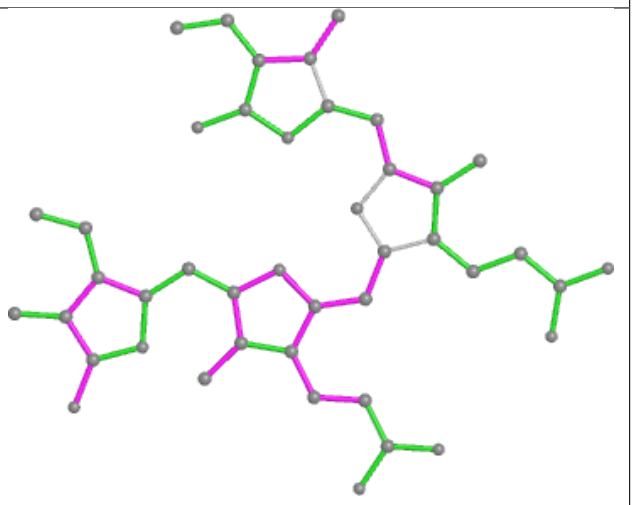

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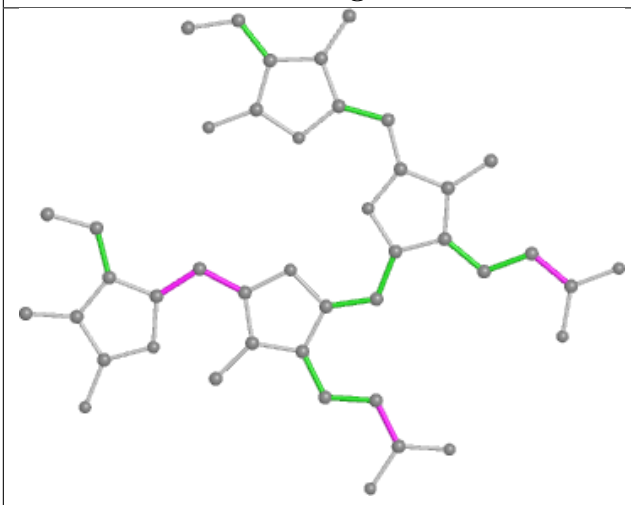

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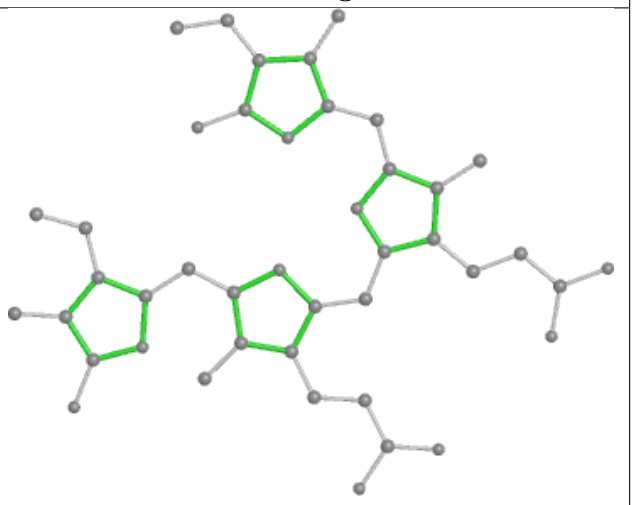

Rings

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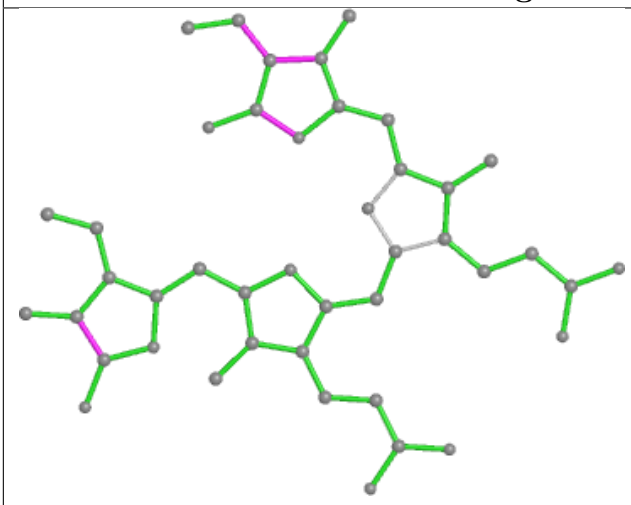

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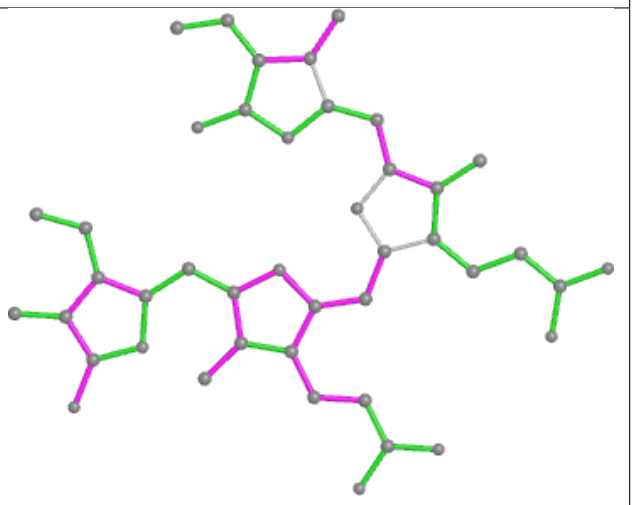

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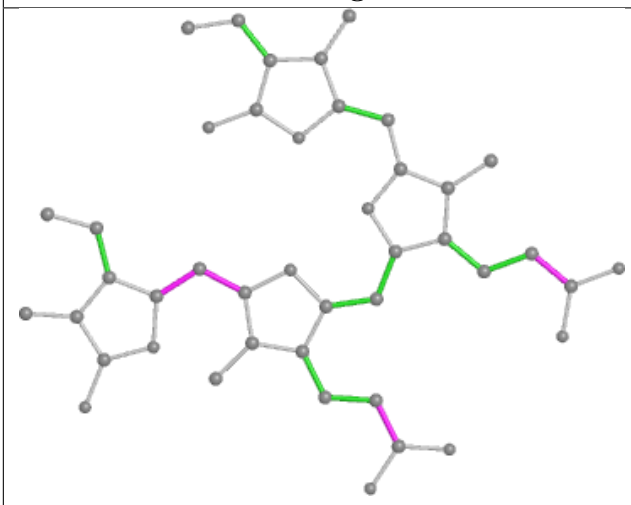

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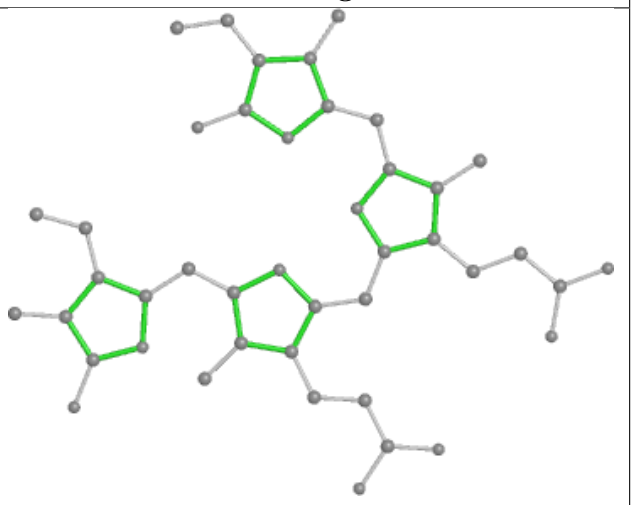
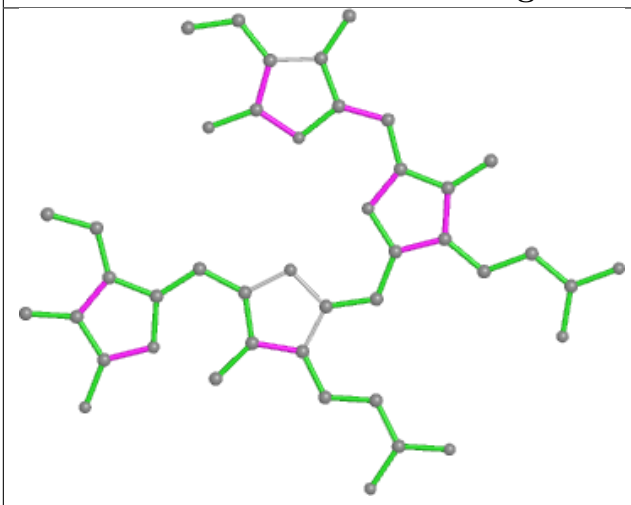


Rings

Ligand PUB J7 202



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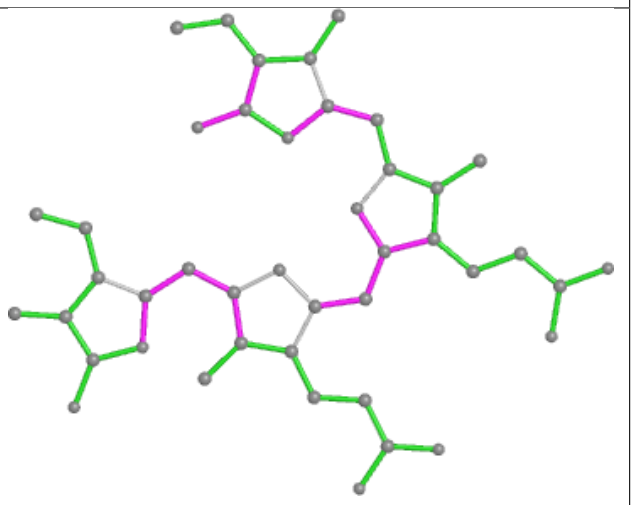

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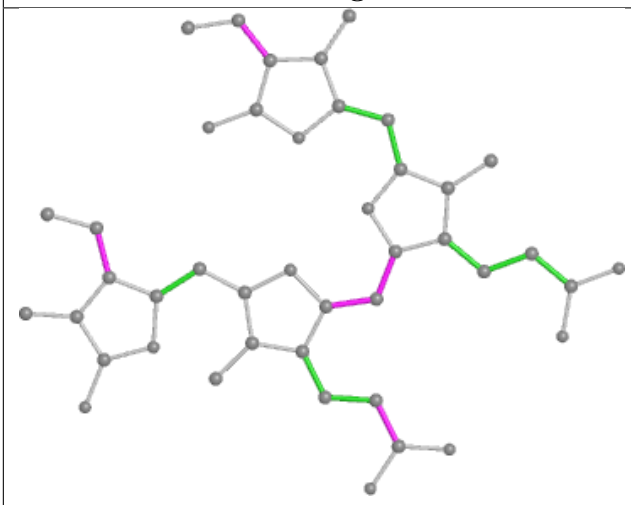

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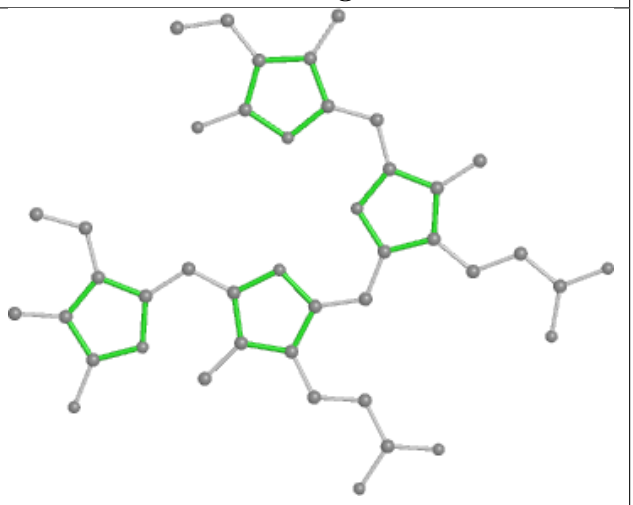
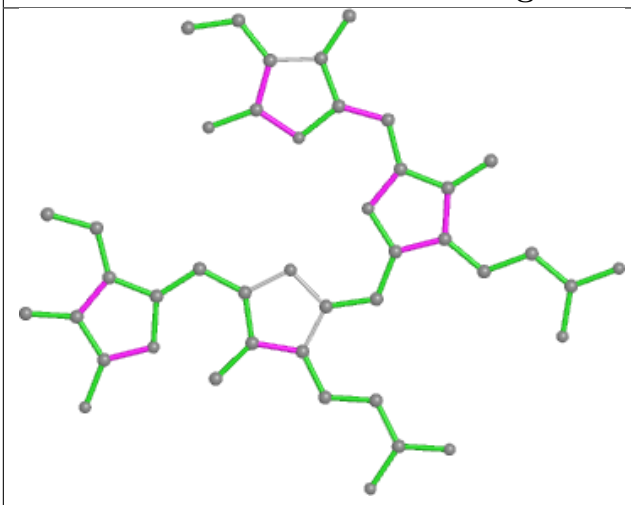


Rings

Ligand PUB n3 203



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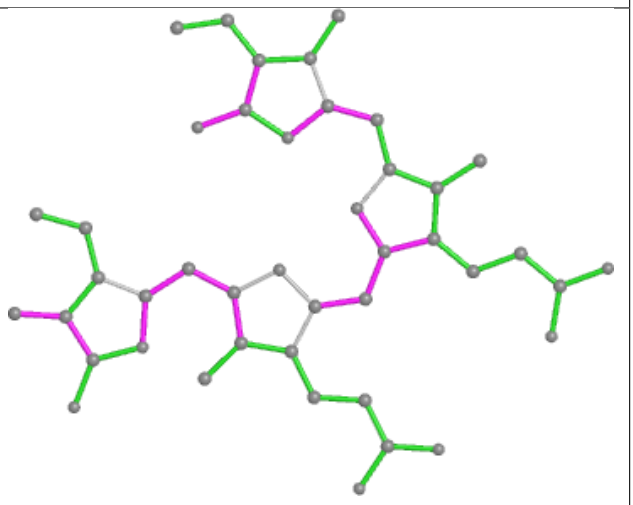

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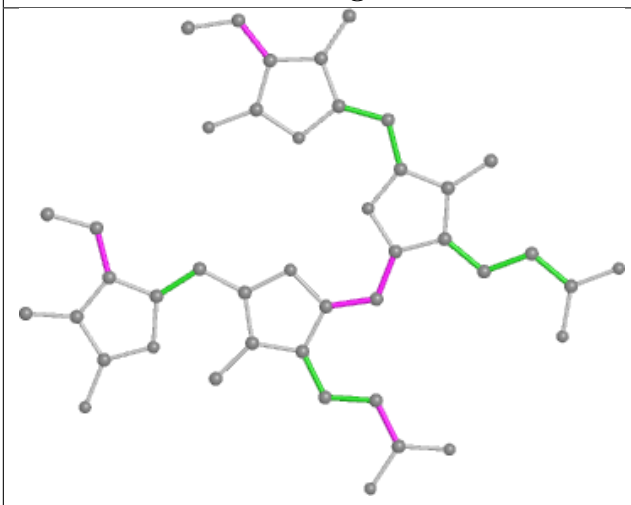

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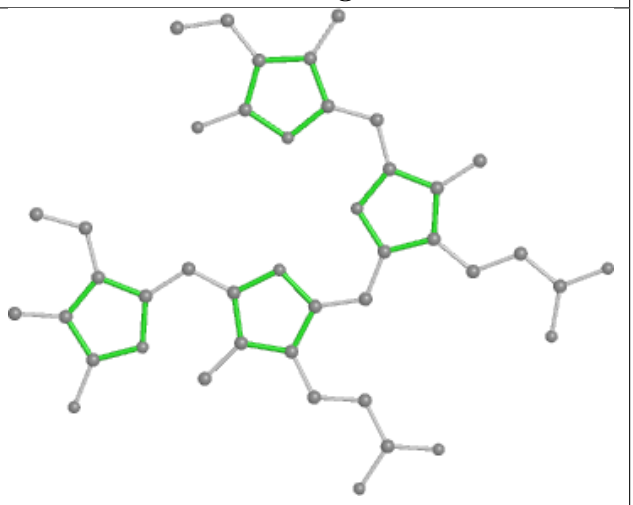

Rings

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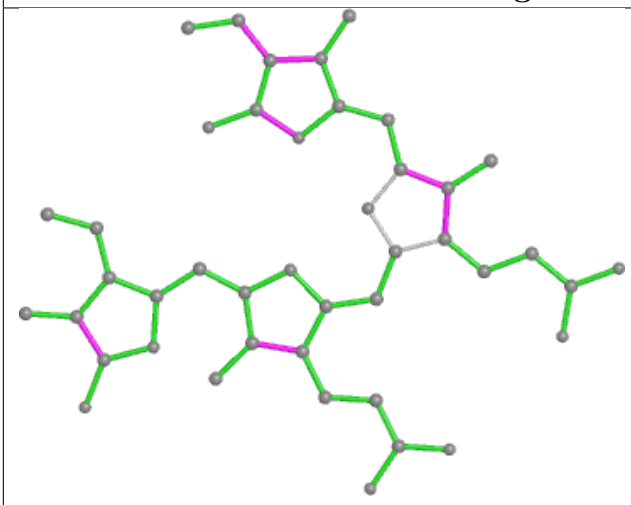

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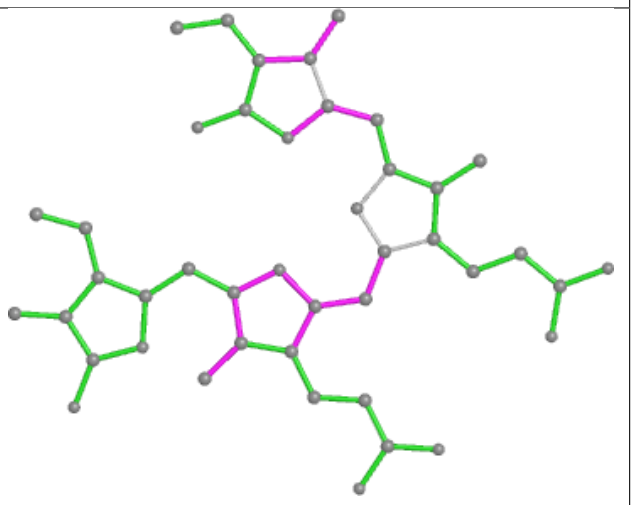

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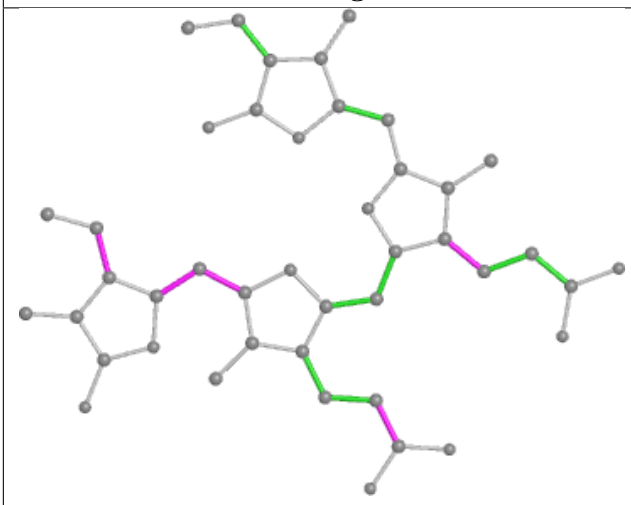

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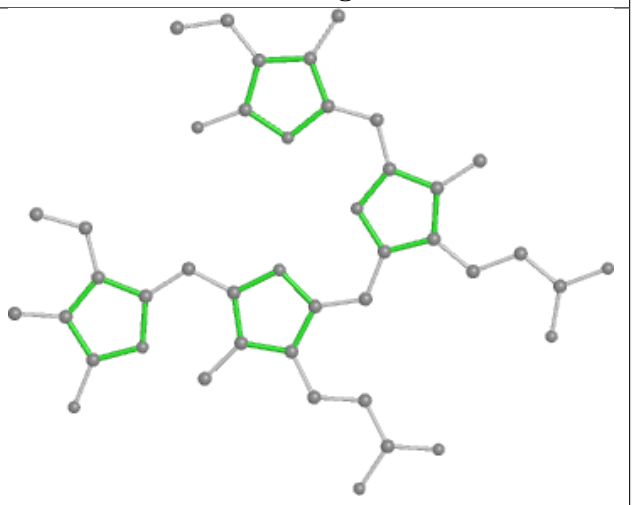
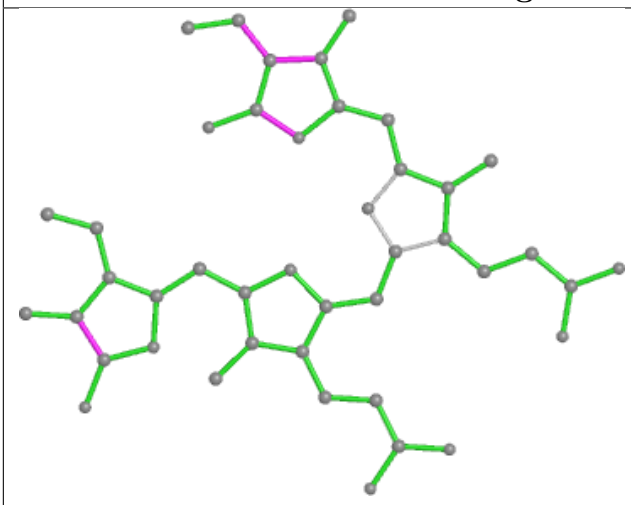


Rings

Ligand PEB w3 201



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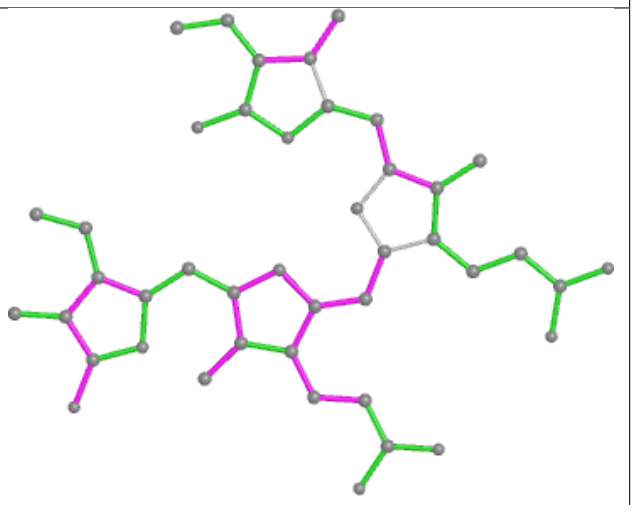

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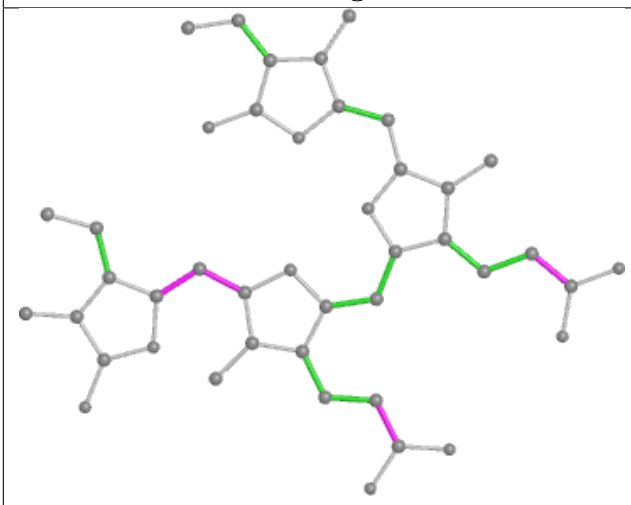

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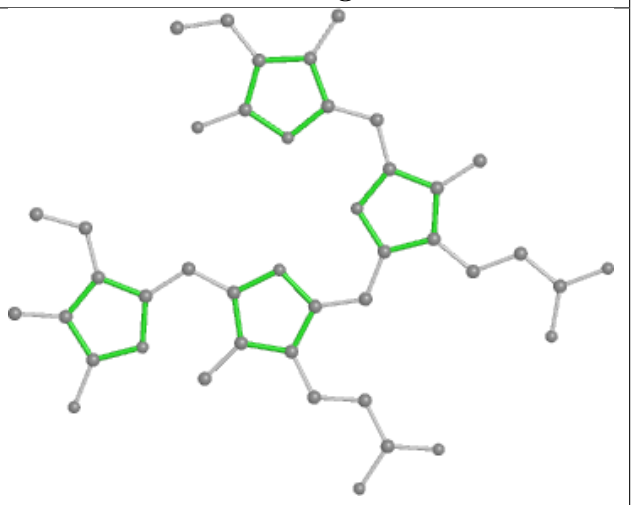
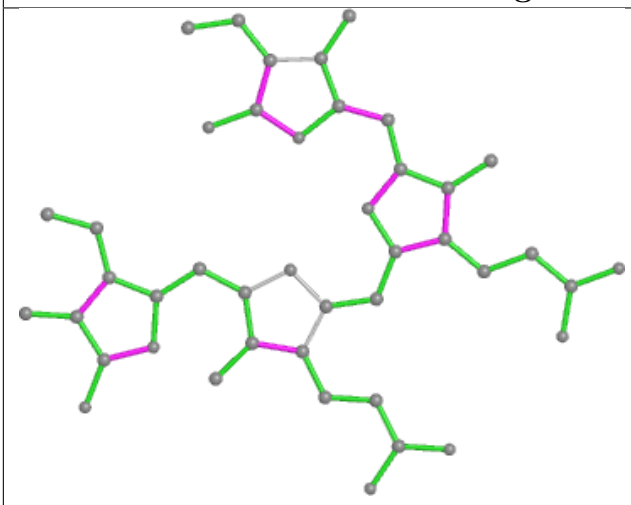


Rings

Ligand PUB T5 202



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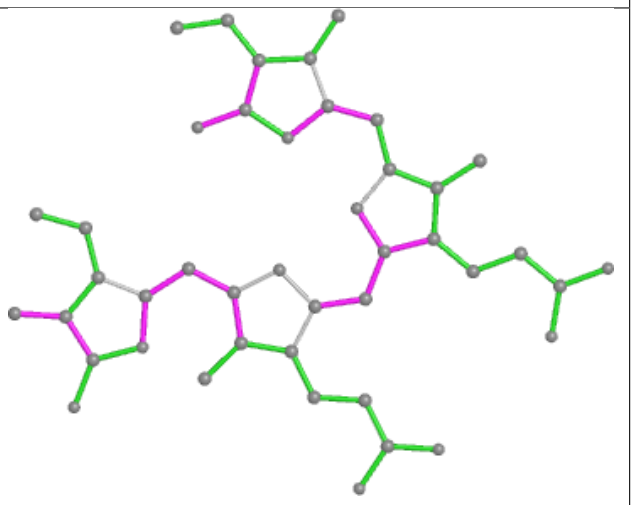

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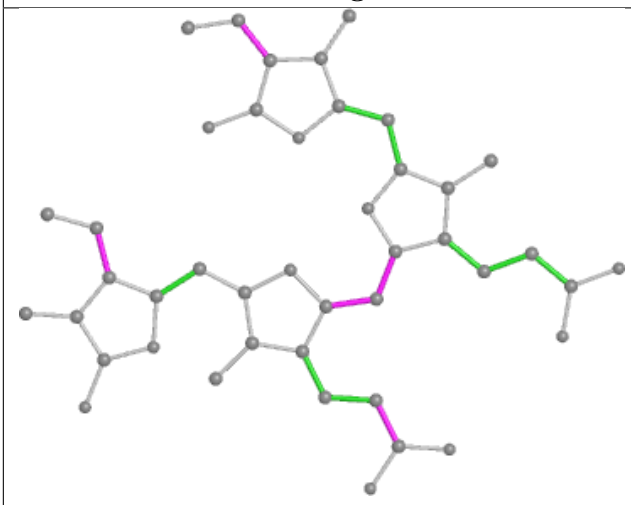

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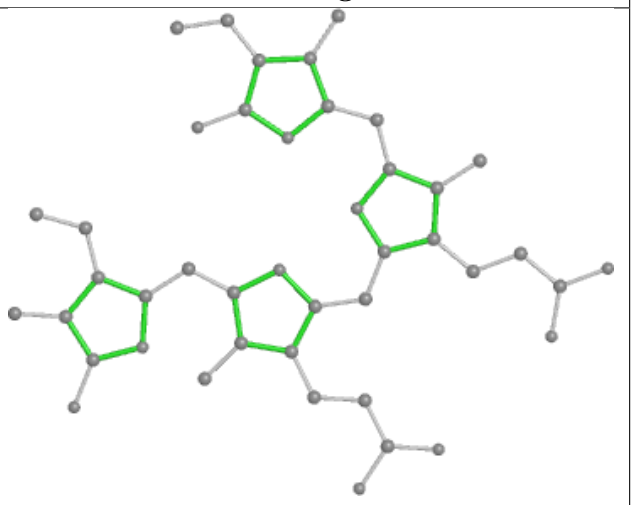

Rings

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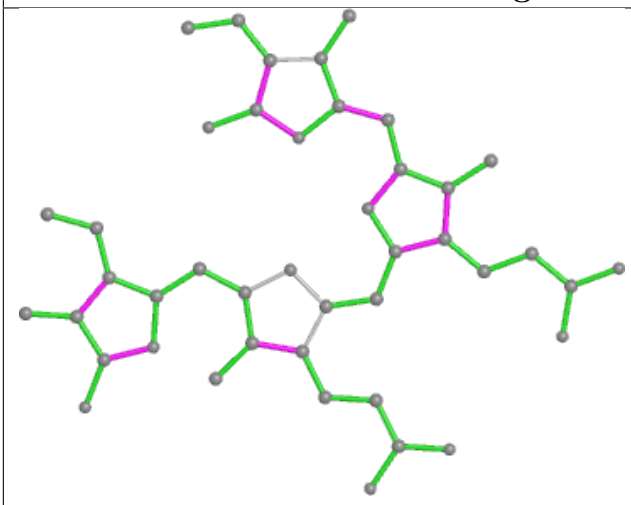

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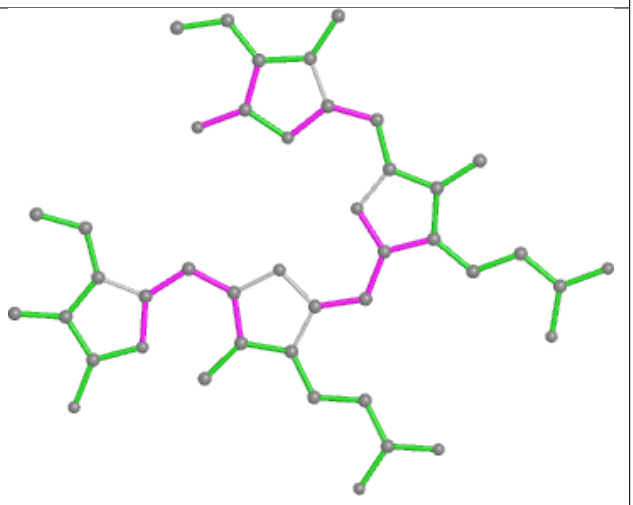

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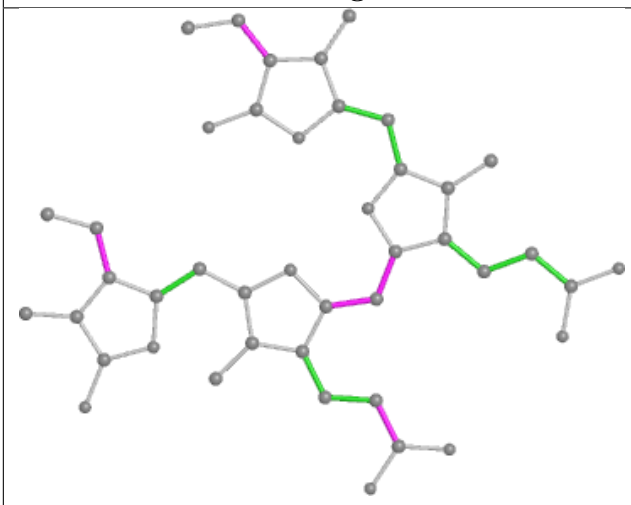

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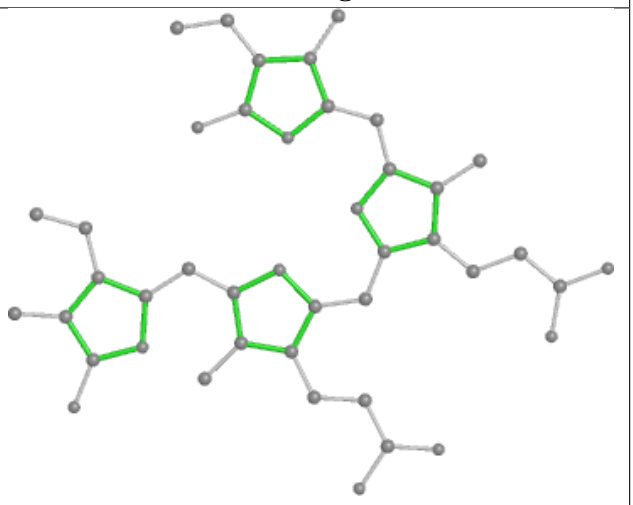
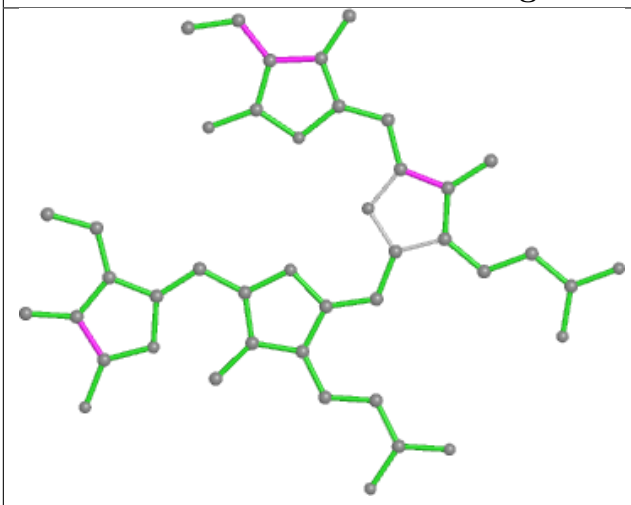


Rings

Ligand PEB q7 202



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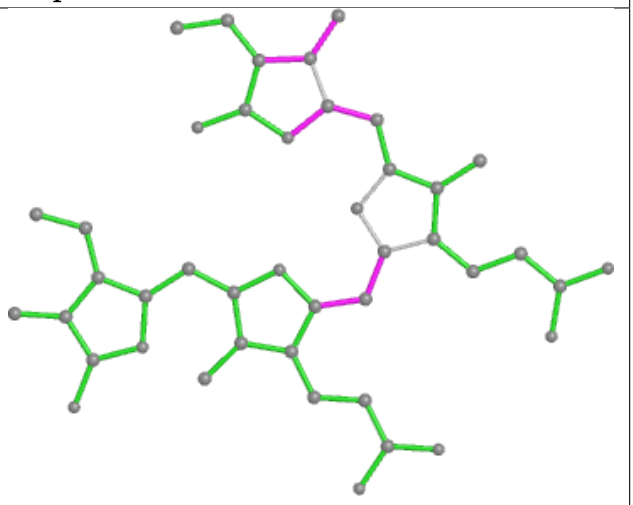
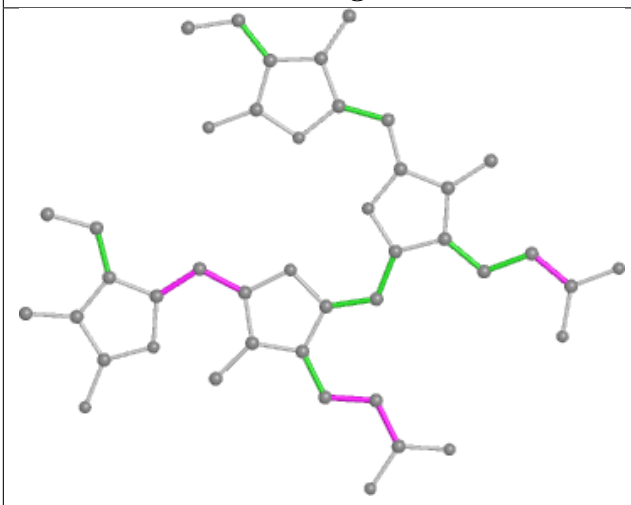


Bond angles



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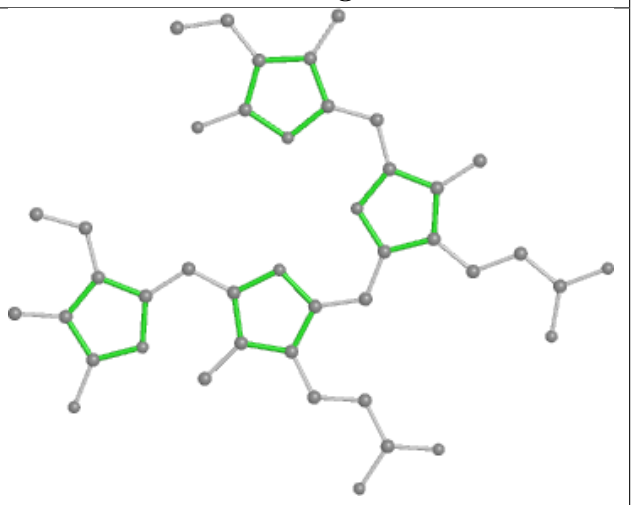
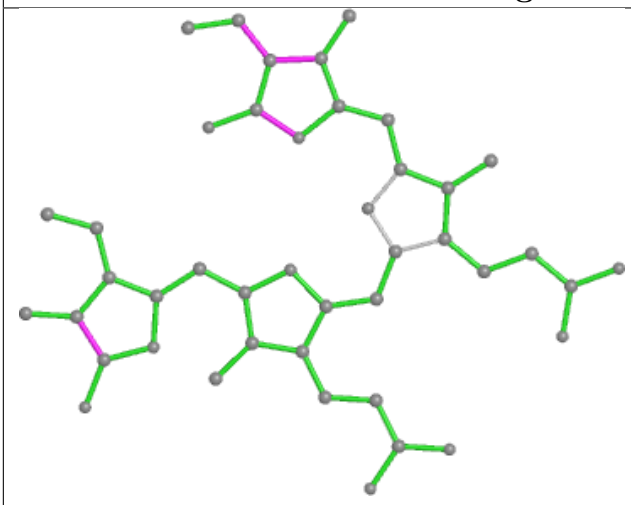


Rings

Ligand PEB w4 201



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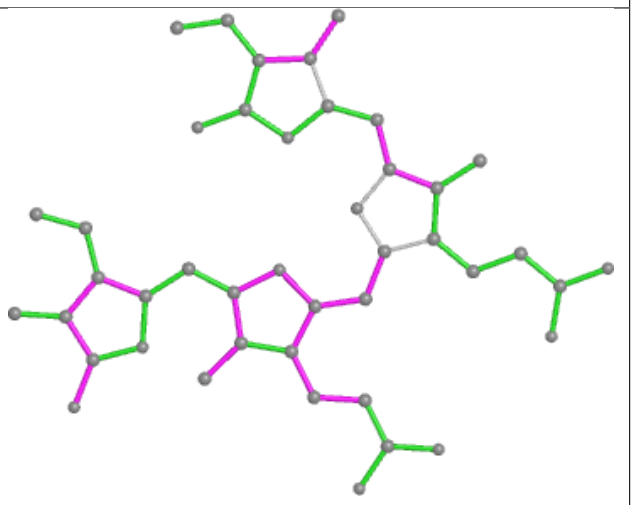
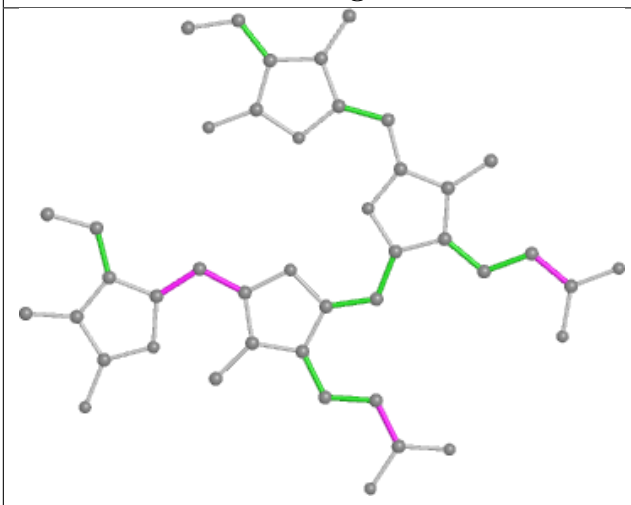
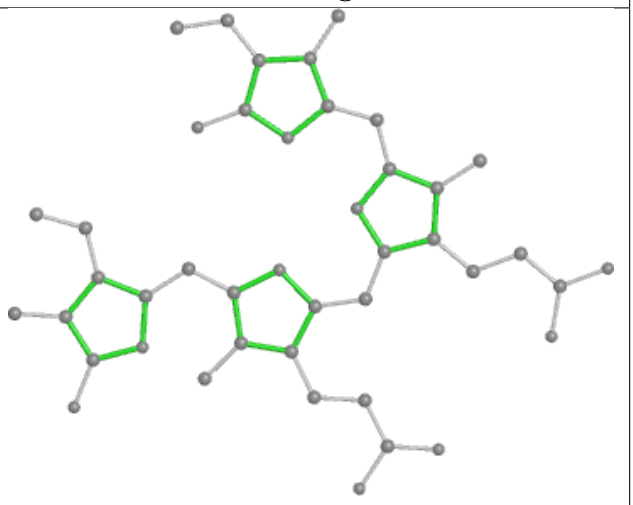


Bond angles

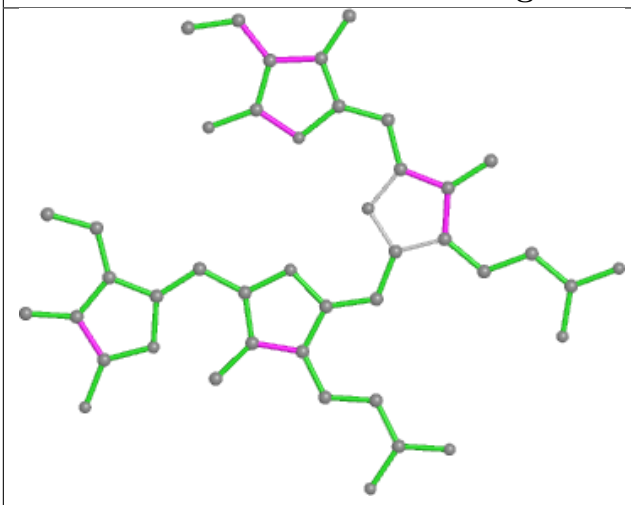


Torsions



Rings

Ligand PEB T3 202



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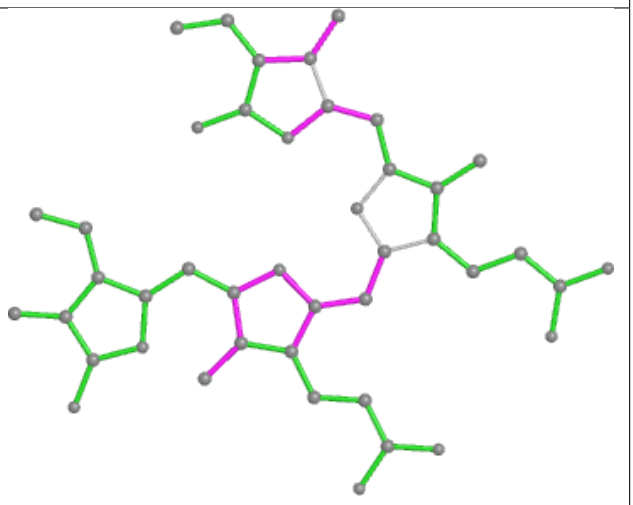
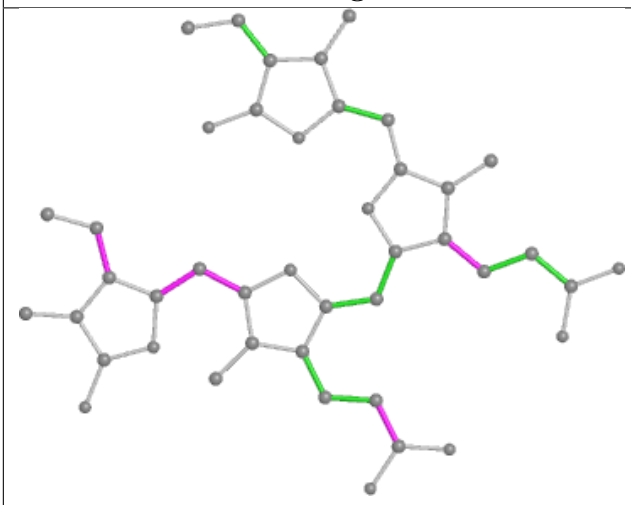


Bond angles



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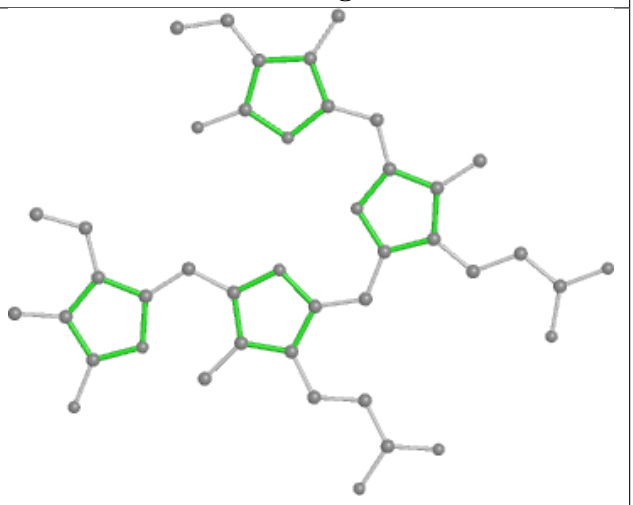
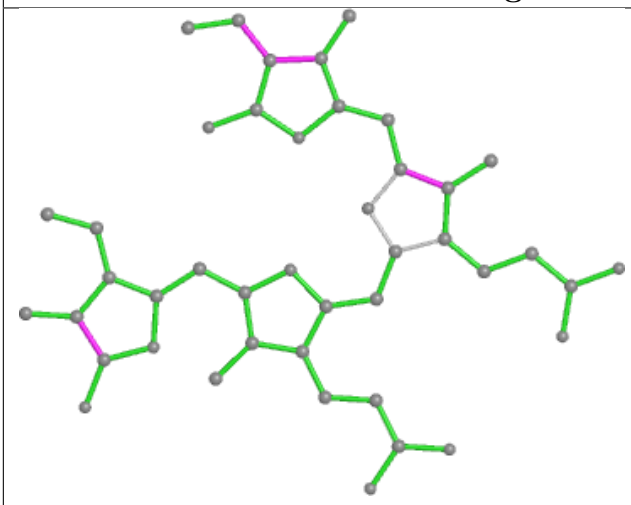


Rings

Ligand PEB m5 1002



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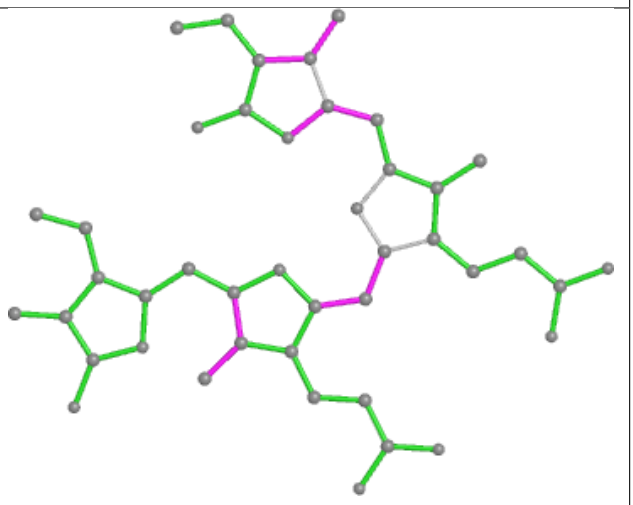

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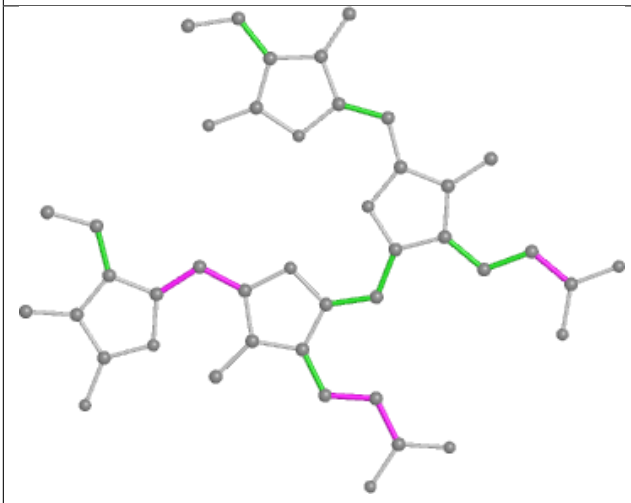

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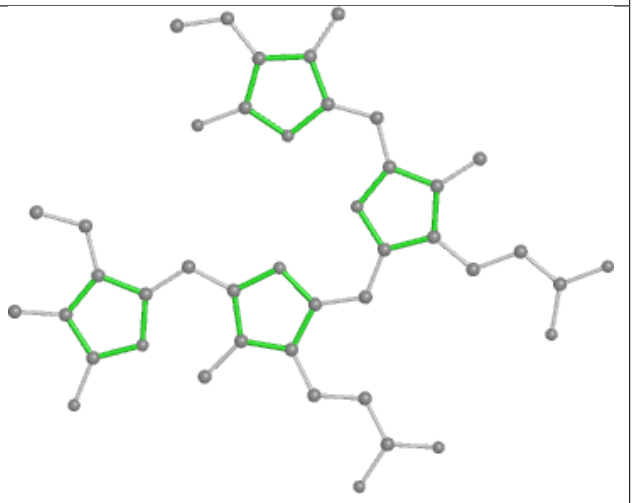
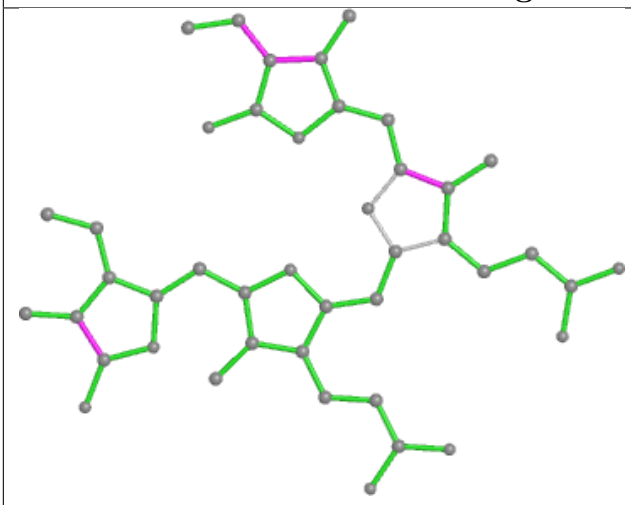


Rings

Ligand PEB Y3 202



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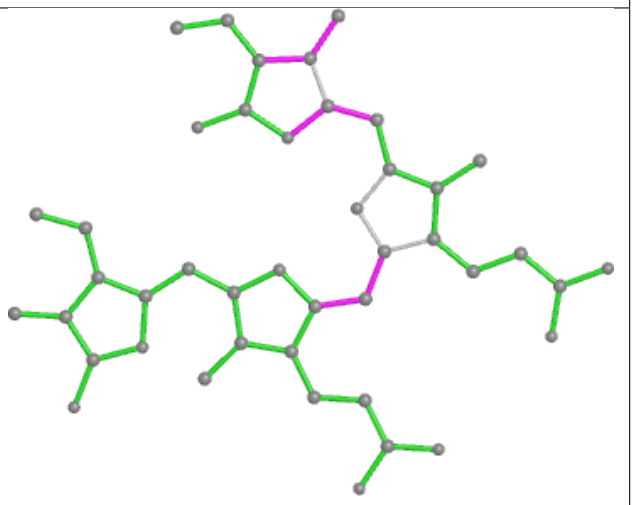

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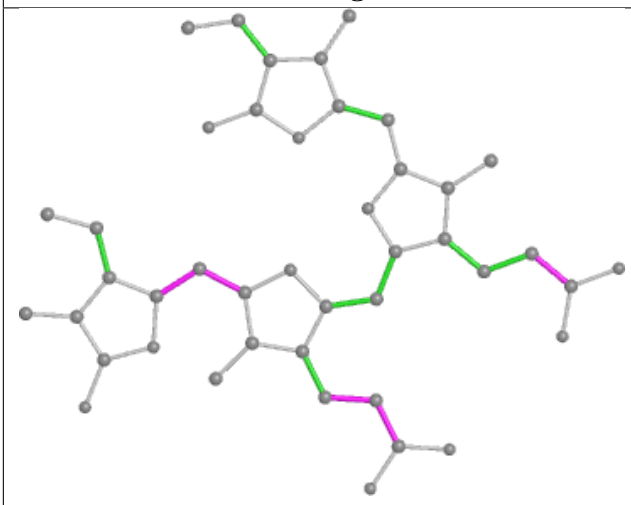

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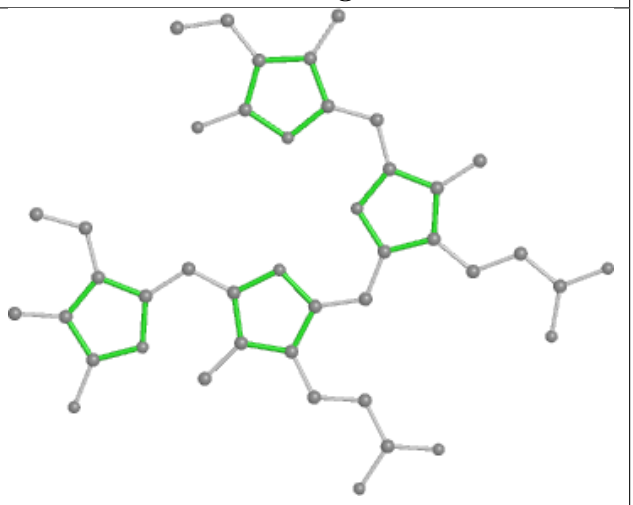
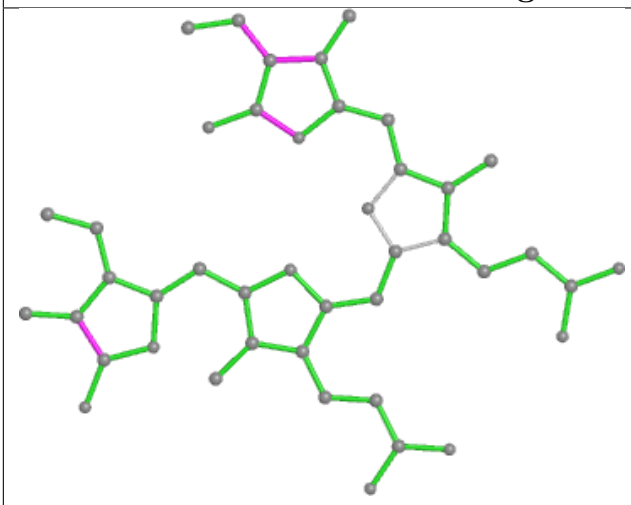


Rings

Ligand PEB F4 201



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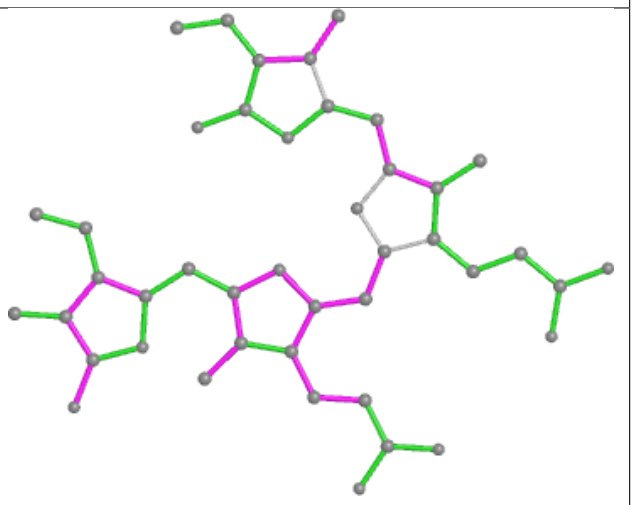

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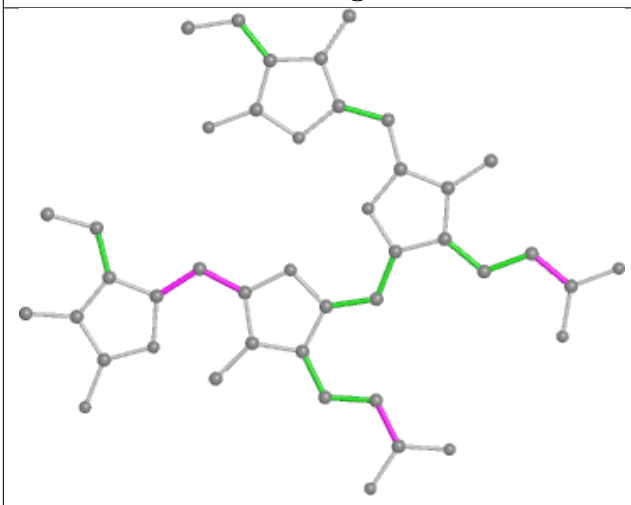

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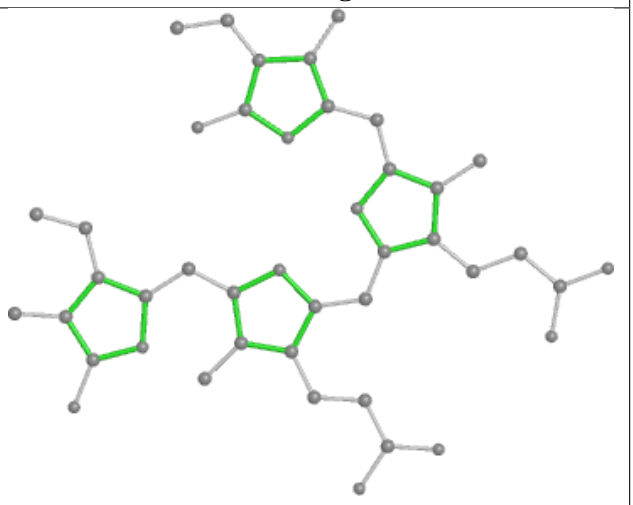
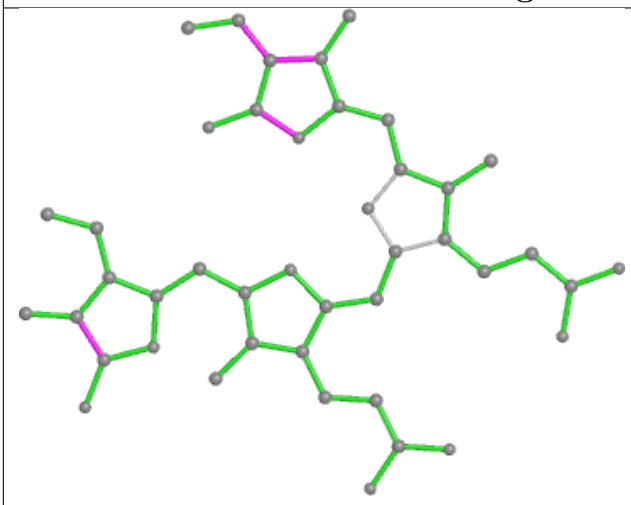


Rings

Ligand PEB T3 201



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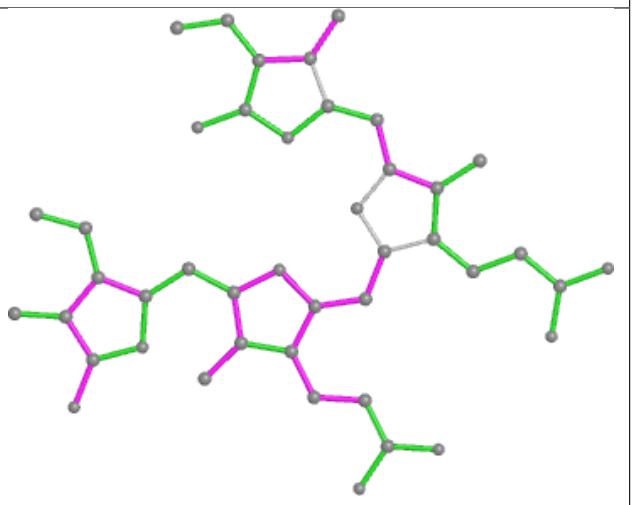

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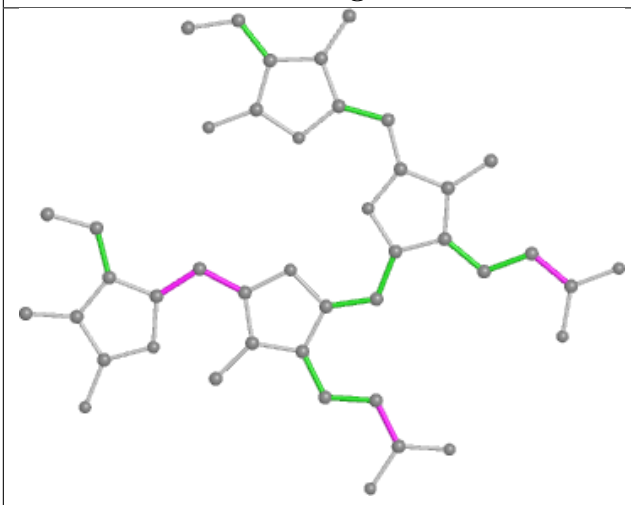

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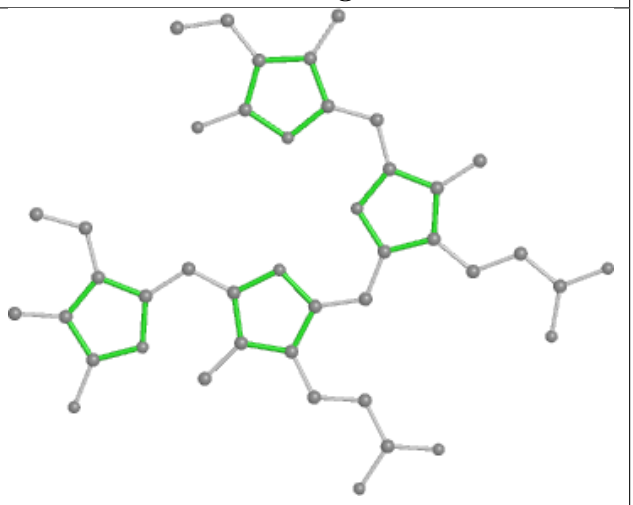
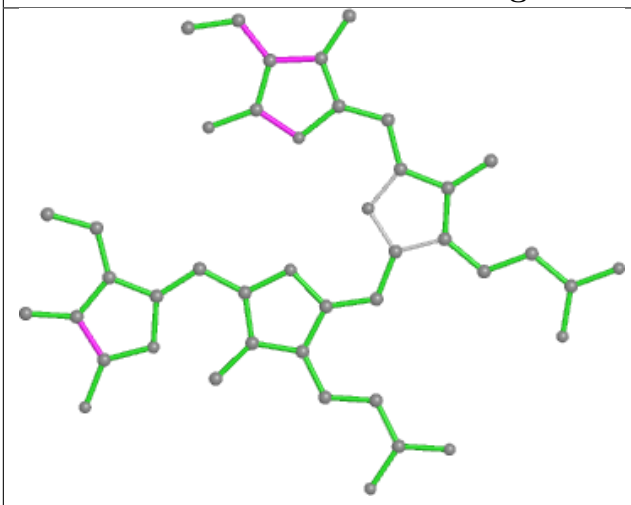


Rings

Ligand PEB jO 1001



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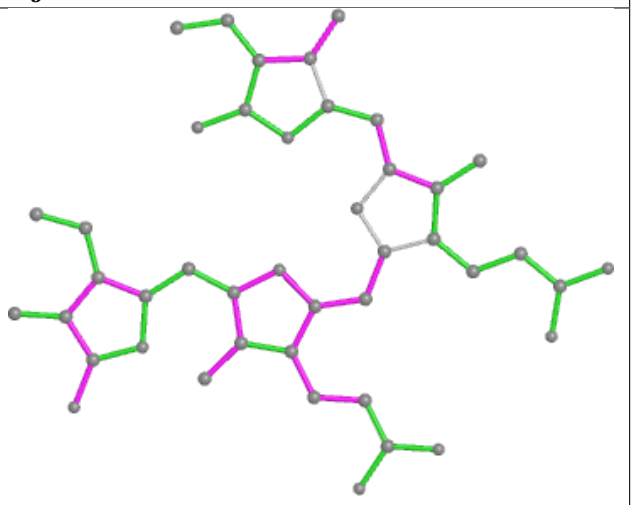

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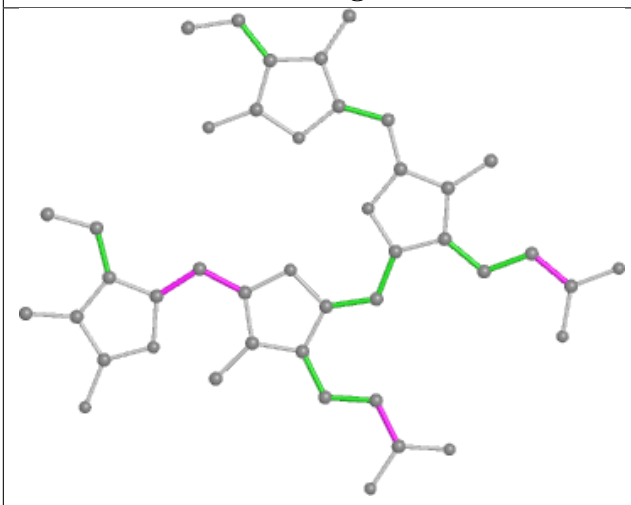

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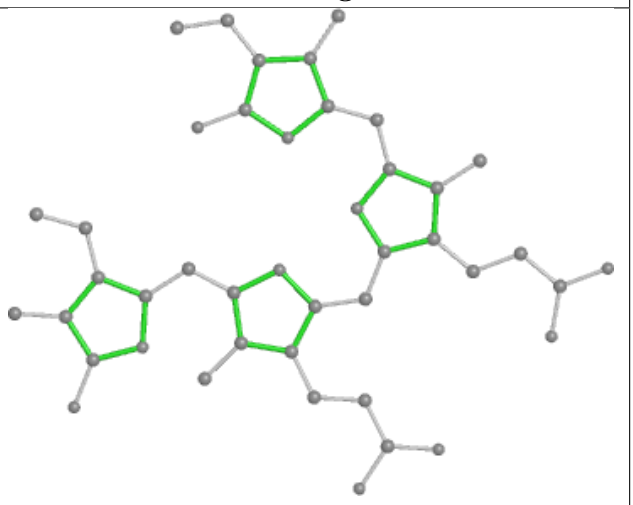
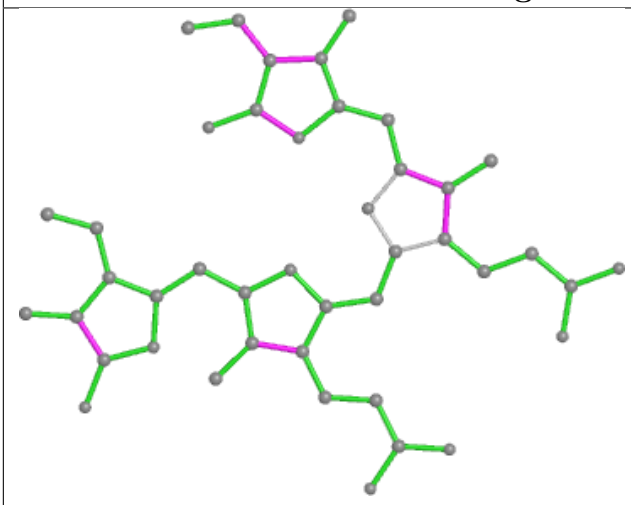


Rings

Ligand PEB H2 201



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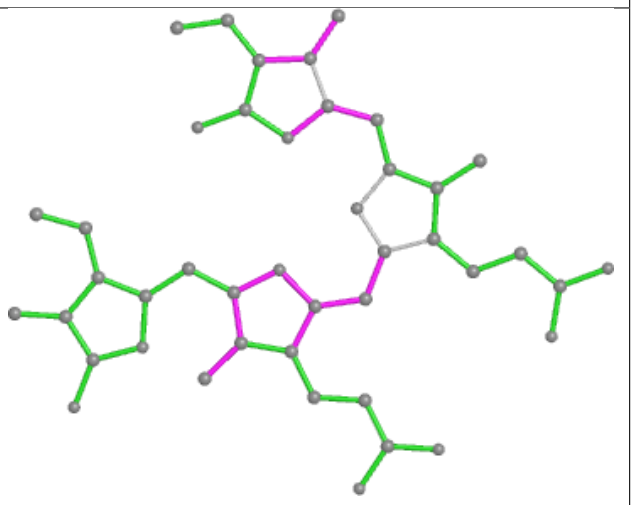

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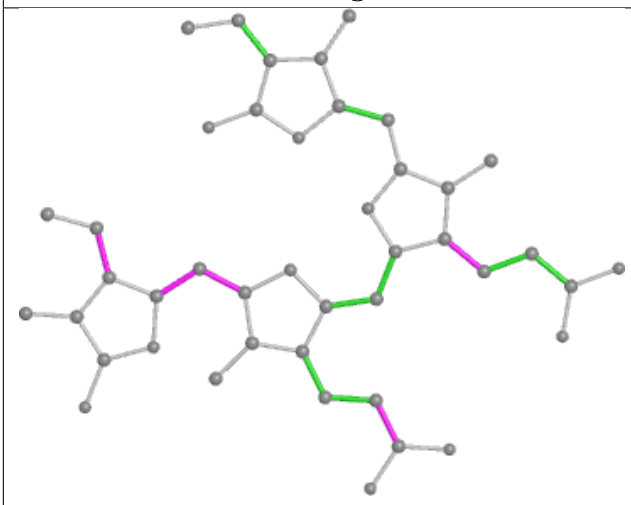

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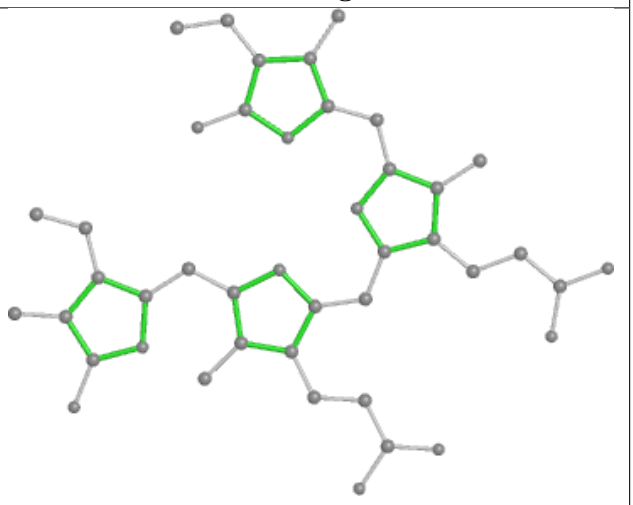
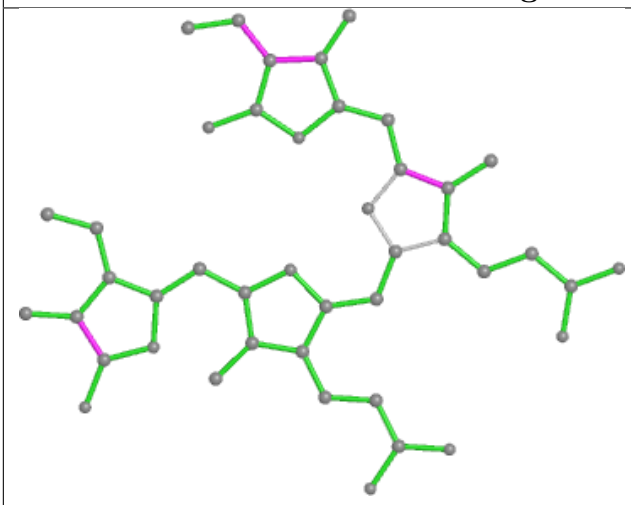


Rings

Ligand PEB cv 202



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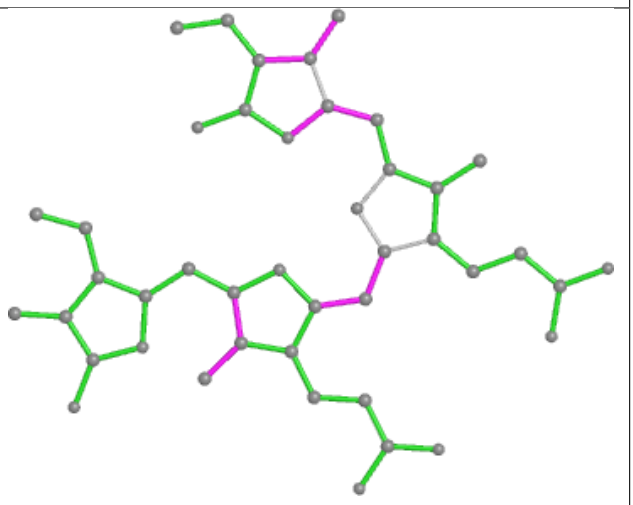

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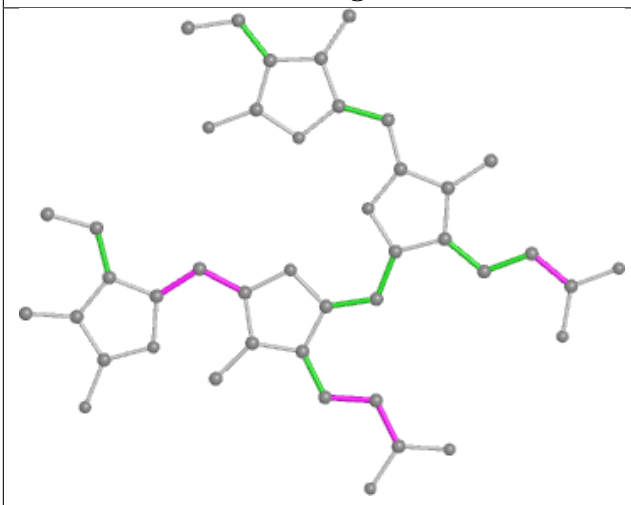

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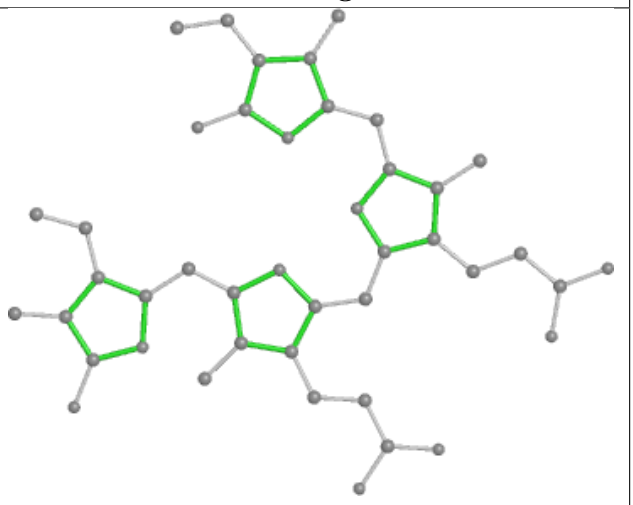
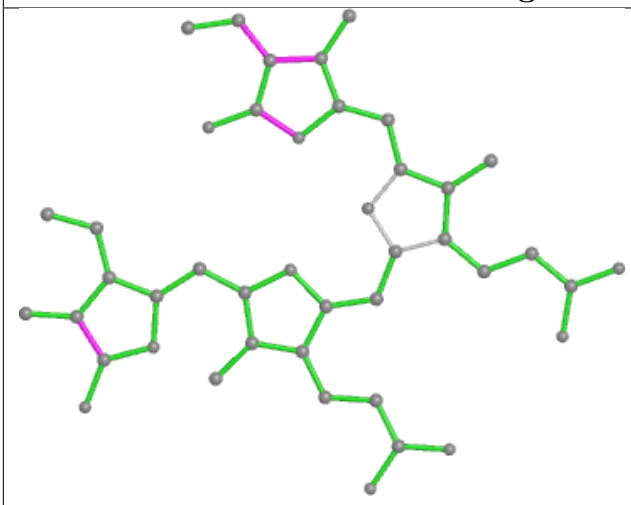


Rings

Ligand PEB L8 201



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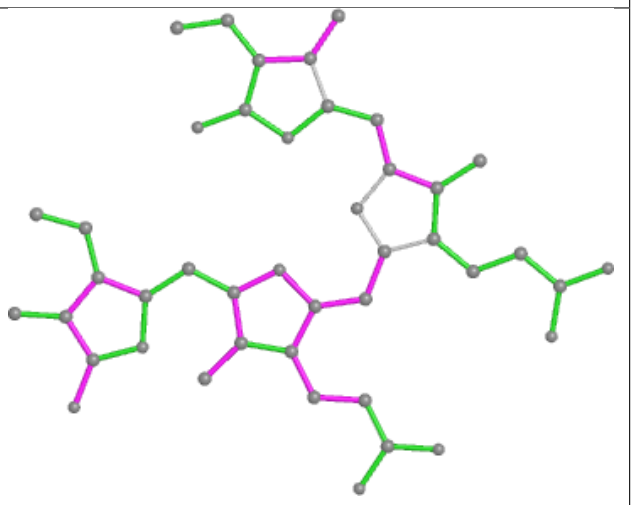

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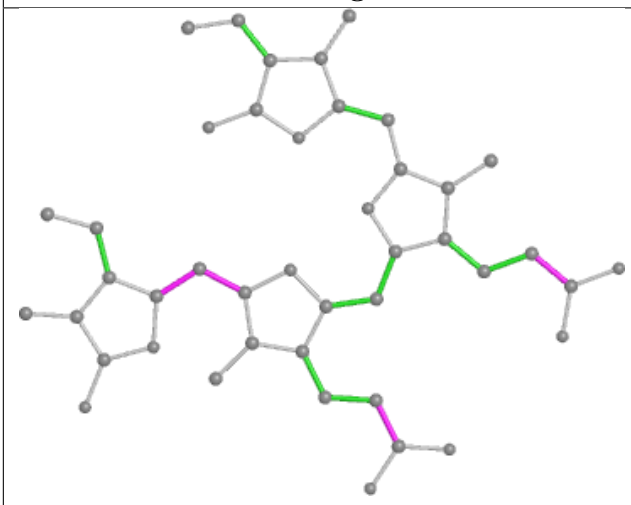

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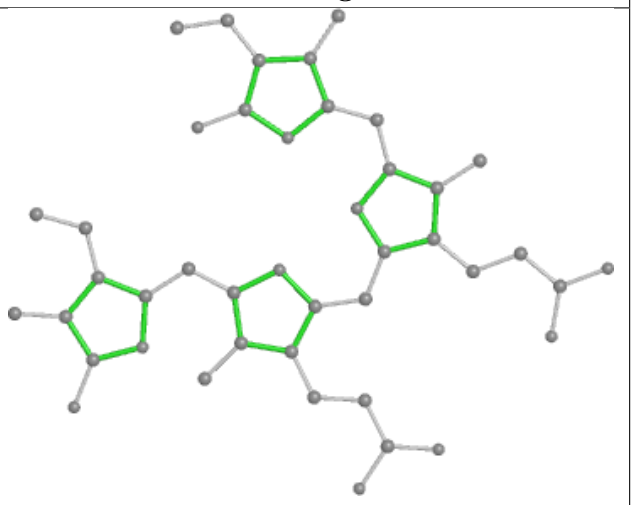
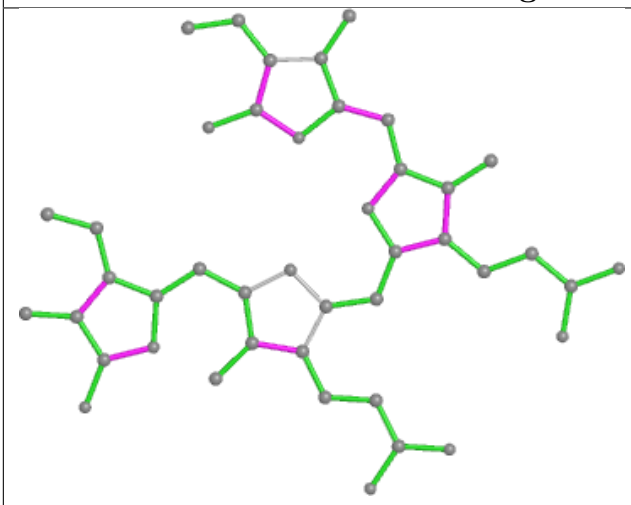


Rings

Ligand PUB r7 203



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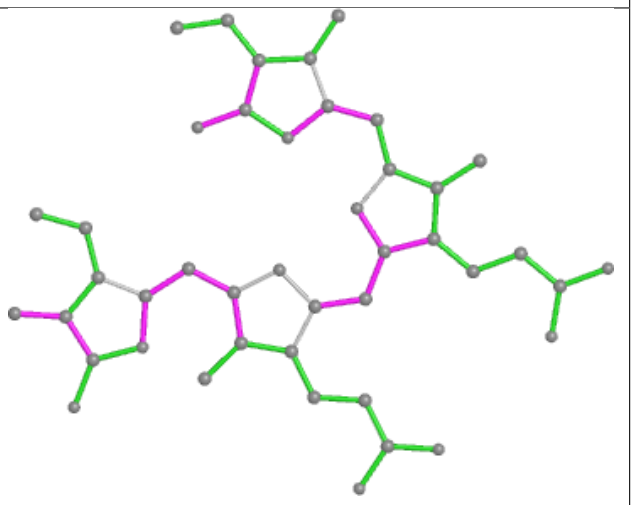

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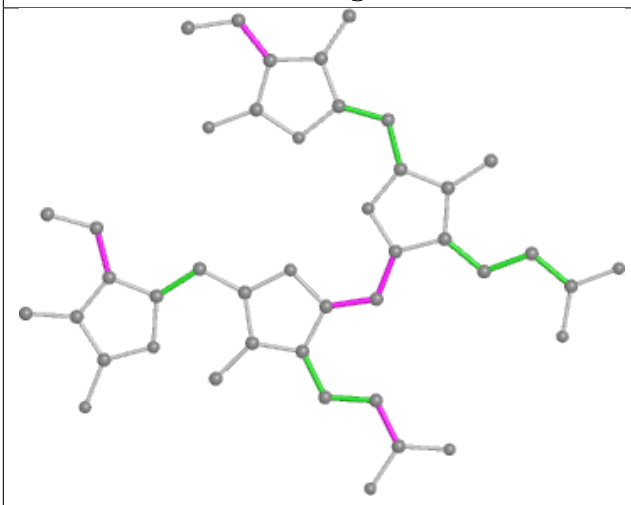

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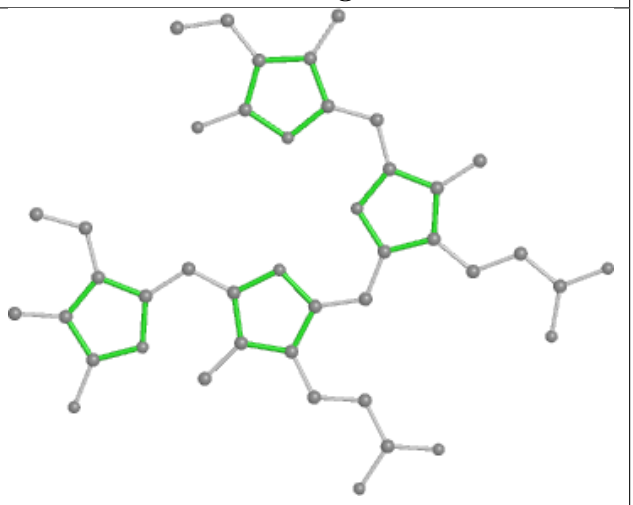
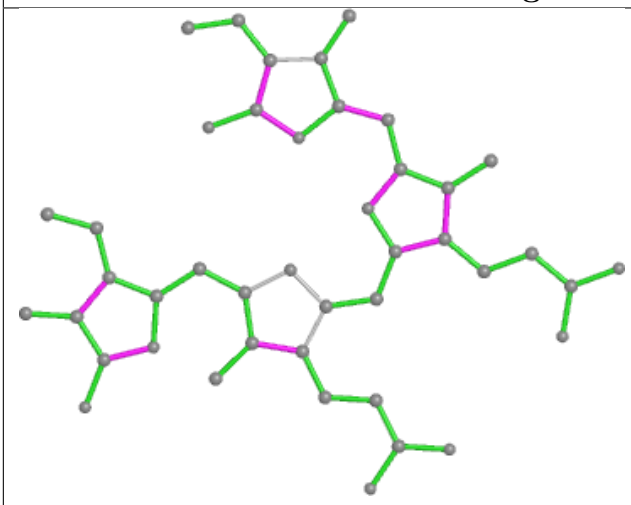


Rings

Ligand PUB lz 405



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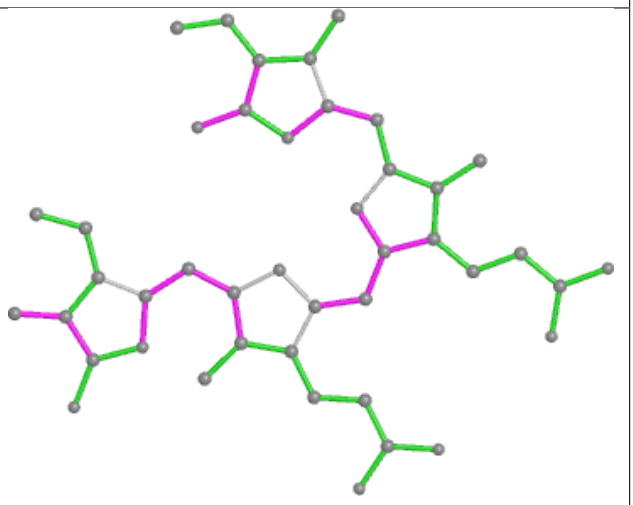

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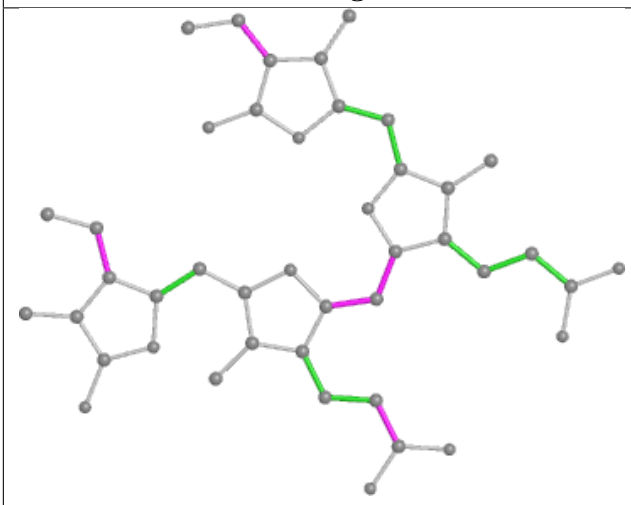

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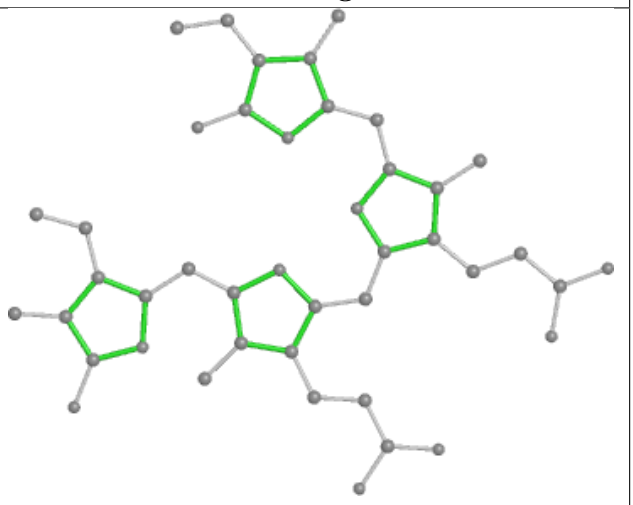
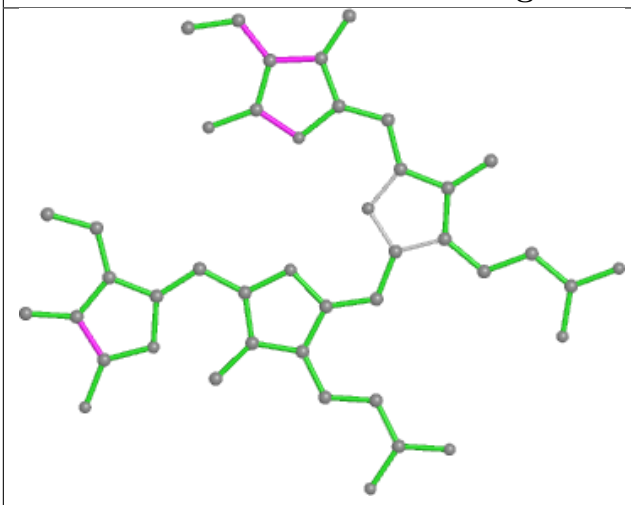


Rings

Ligand PEB T8 302



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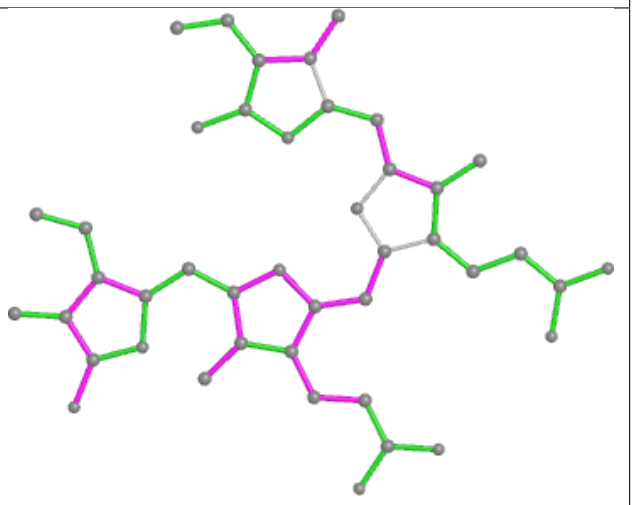

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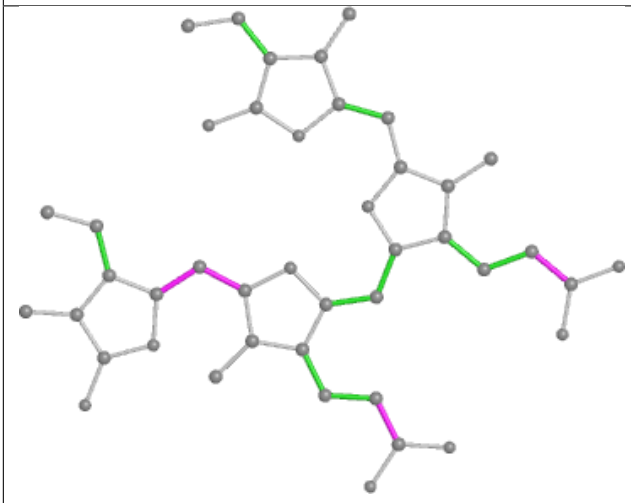

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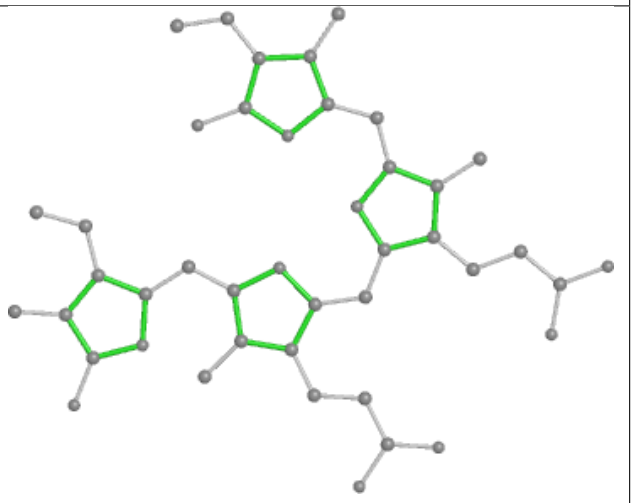
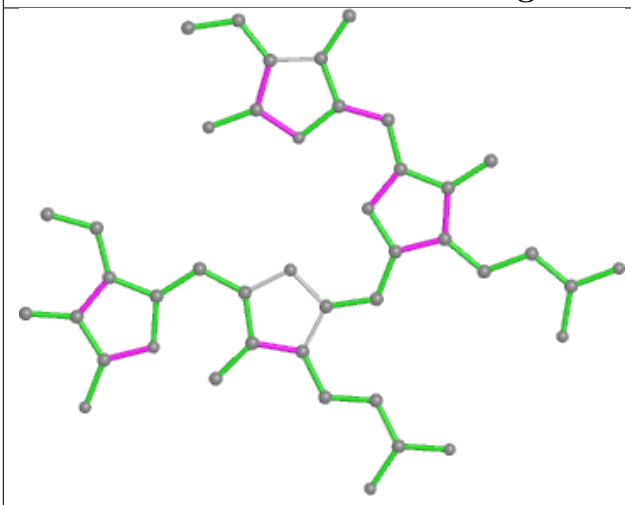


Rings

Ligand PUB v2 203



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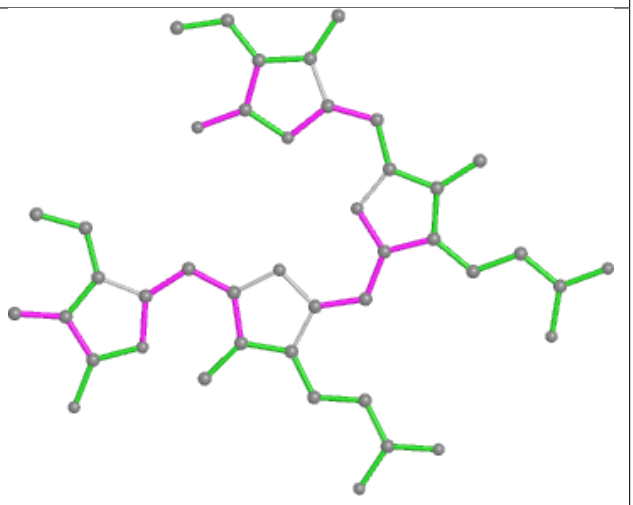
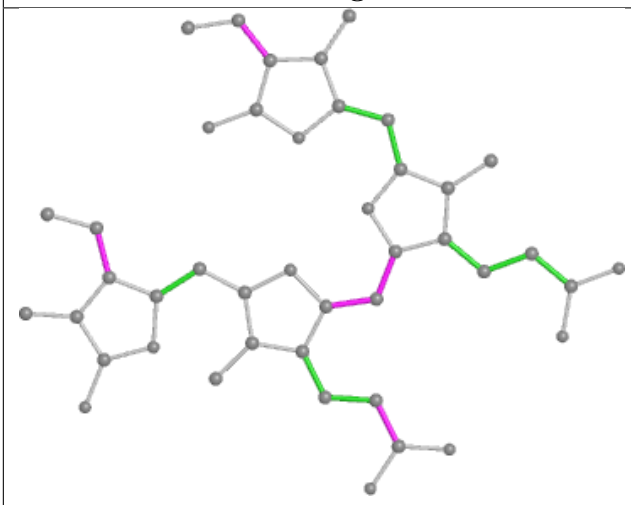


Bond angles



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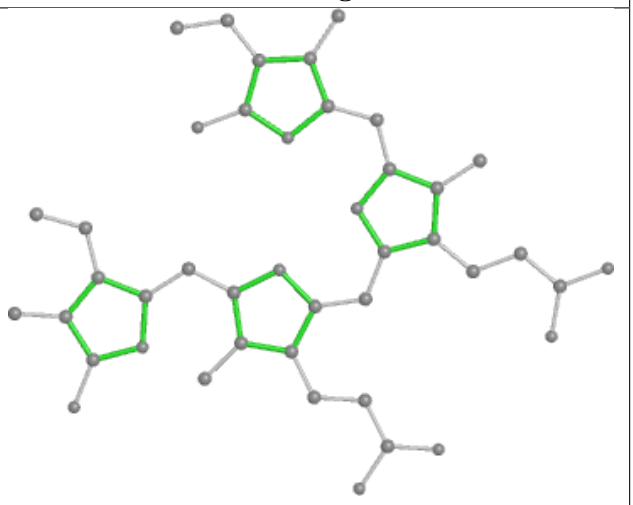
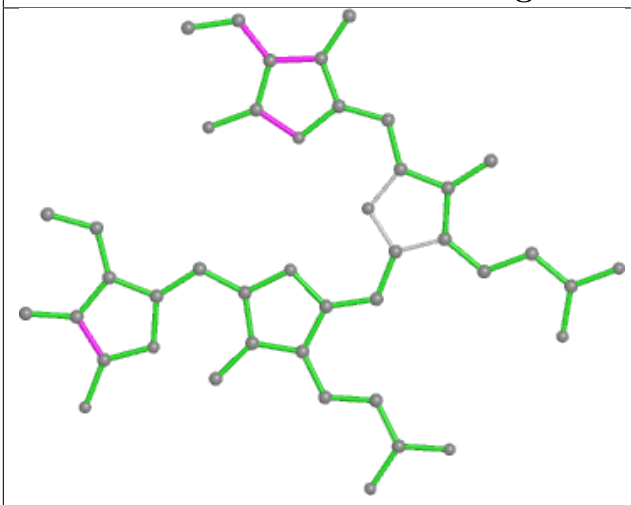
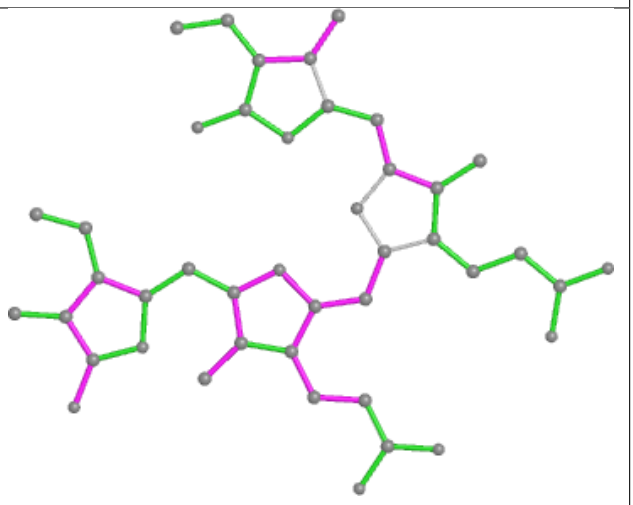


Rings

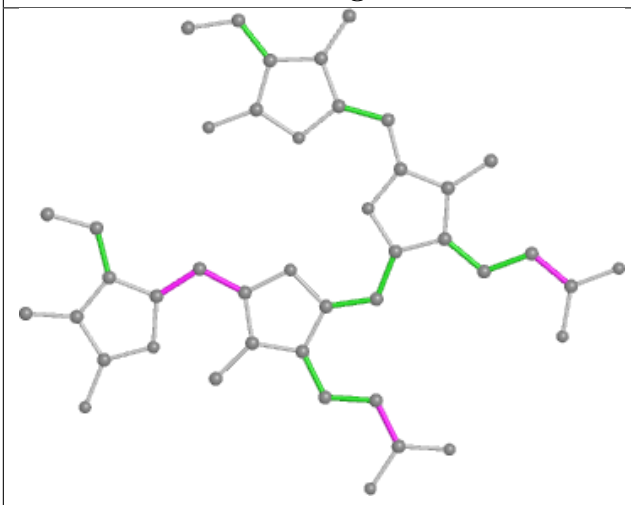
Ligand PEB X4 202



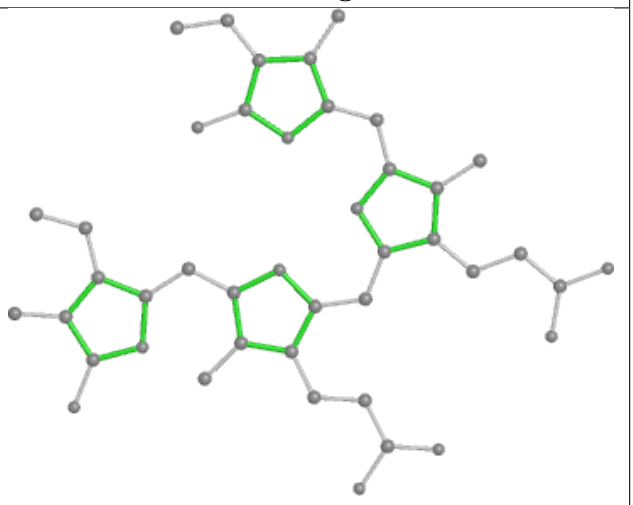
Bond lengths



Bond angles

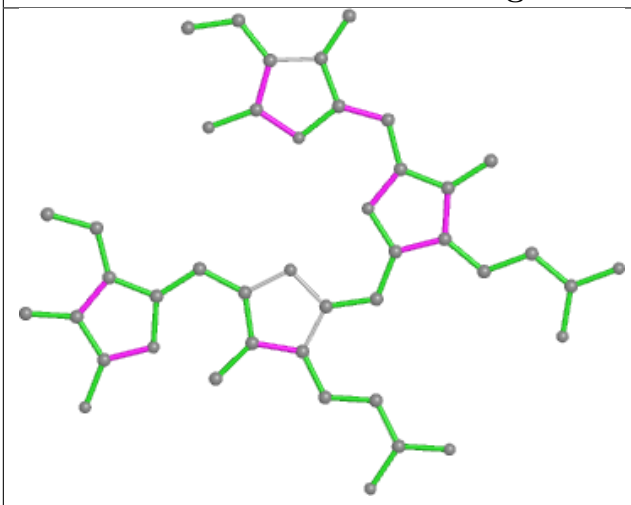


Torsions



Rings

Ligand PUB Z9 1006



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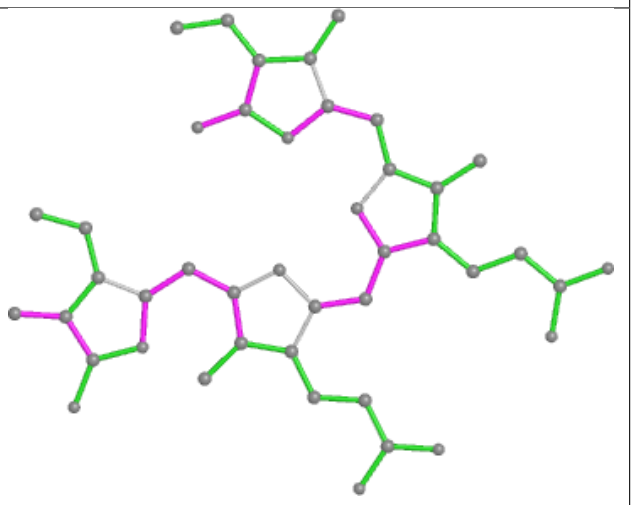

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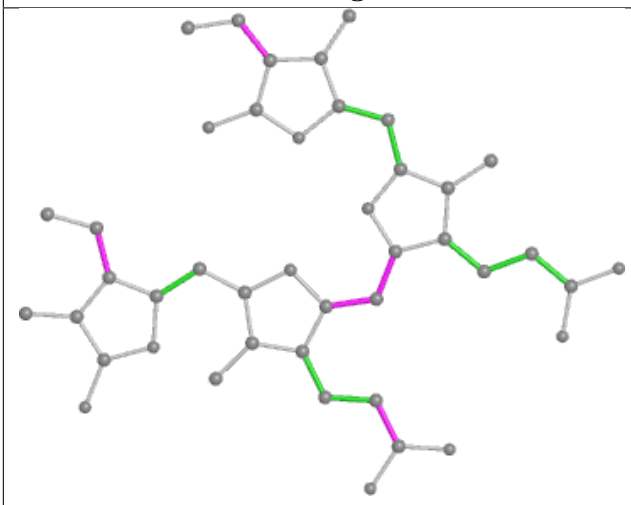

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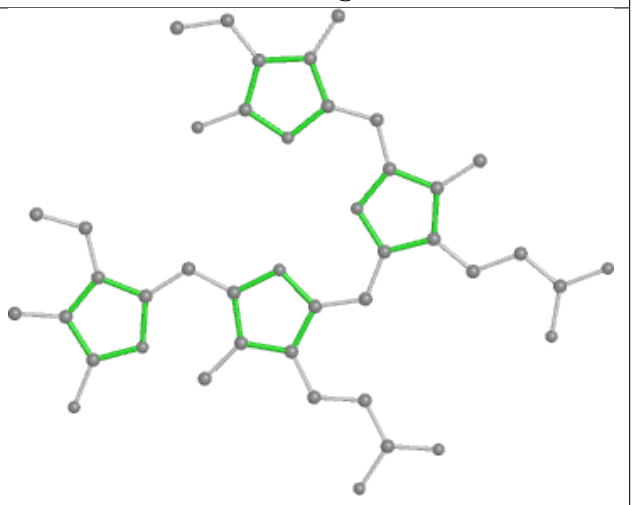
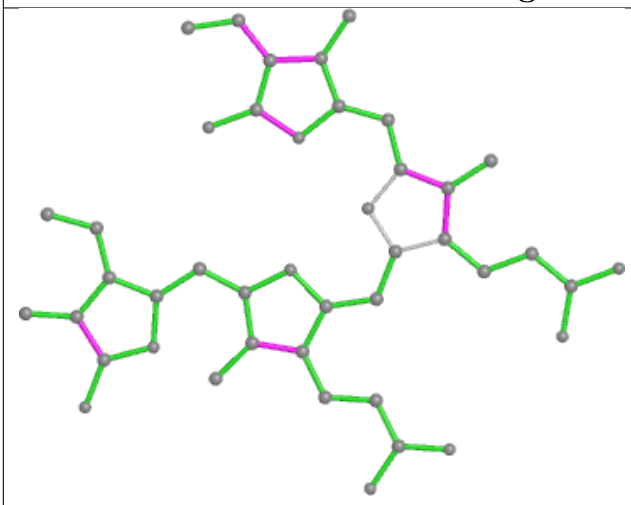


Rings

Ligand PEB cF 201



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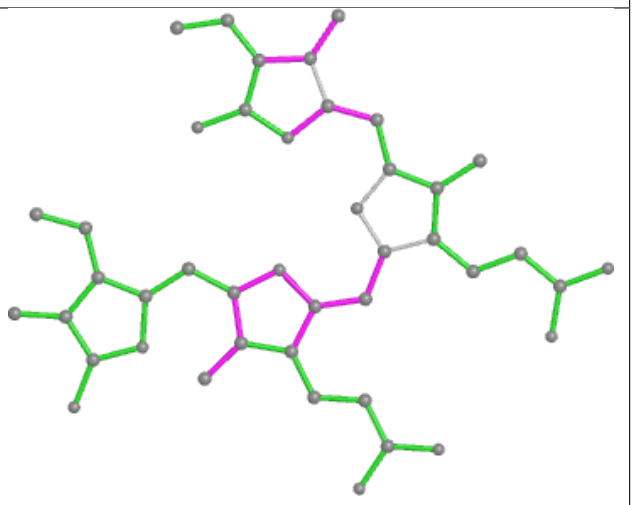

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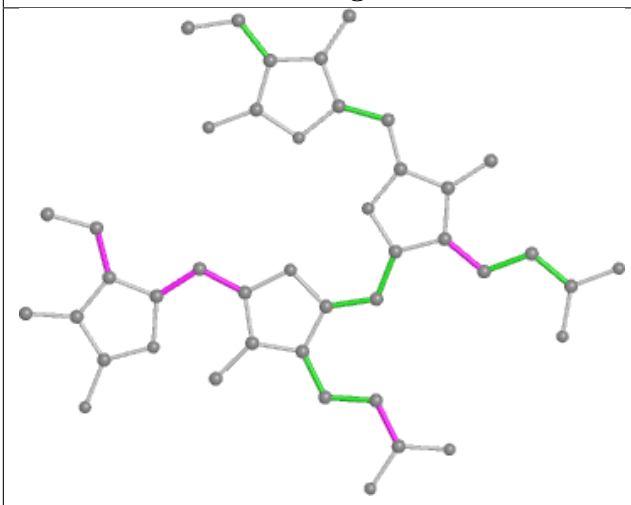

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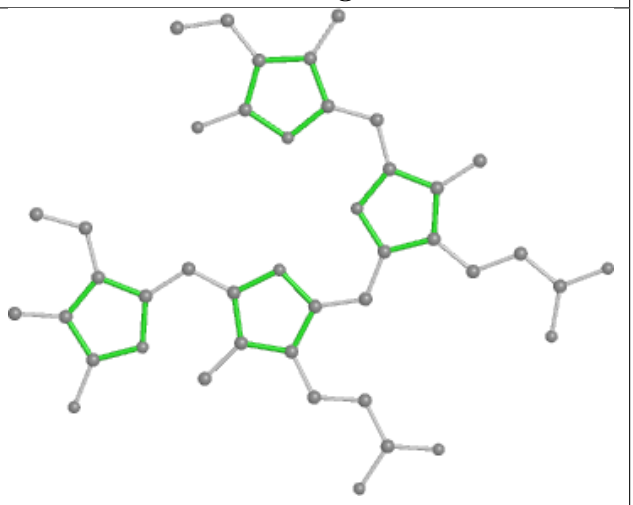
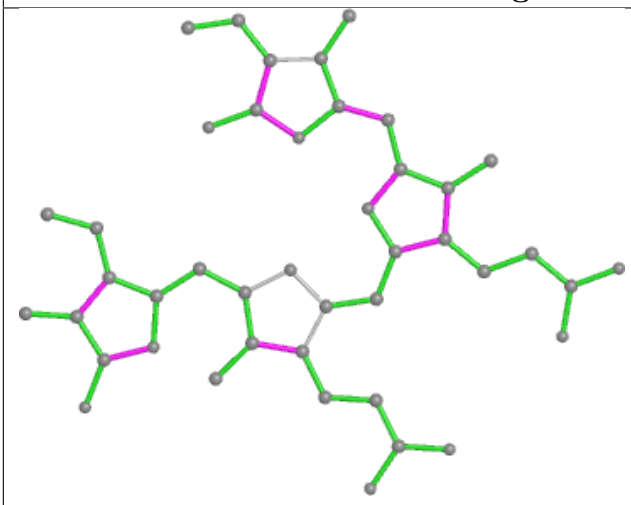


Rings

Ligand PUB jJ 1003



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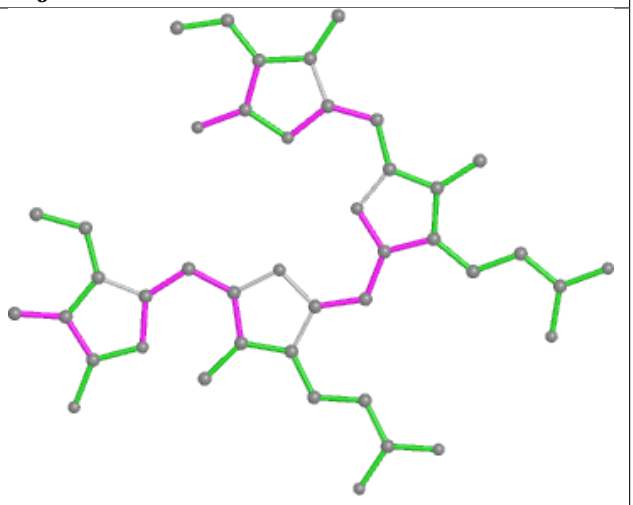

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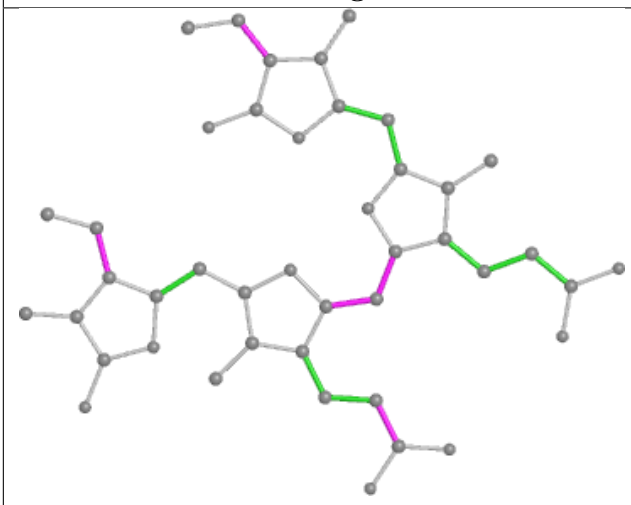

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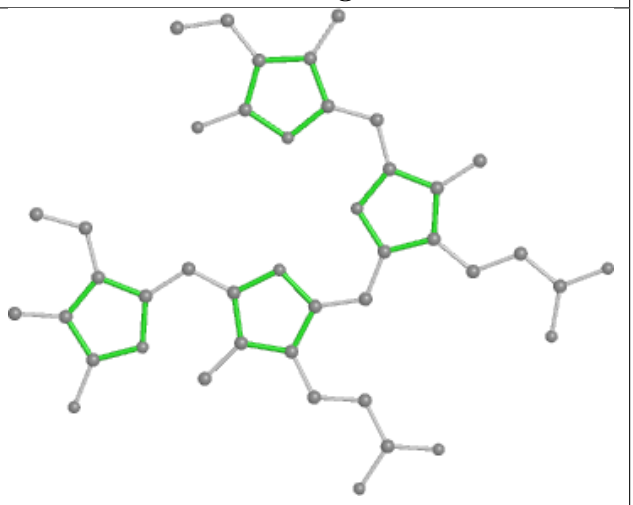

Rings

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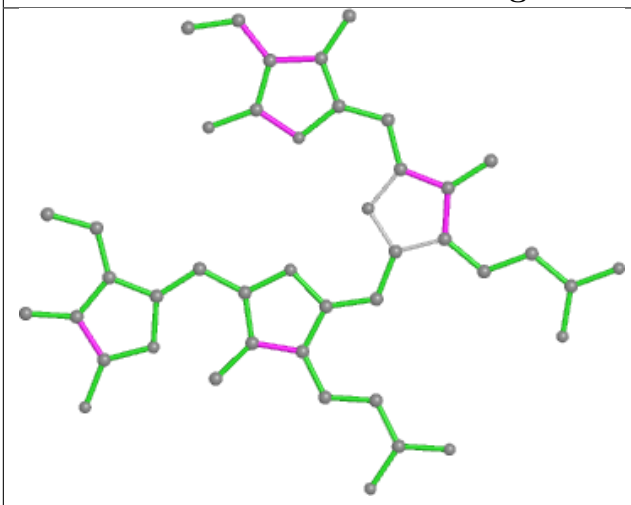

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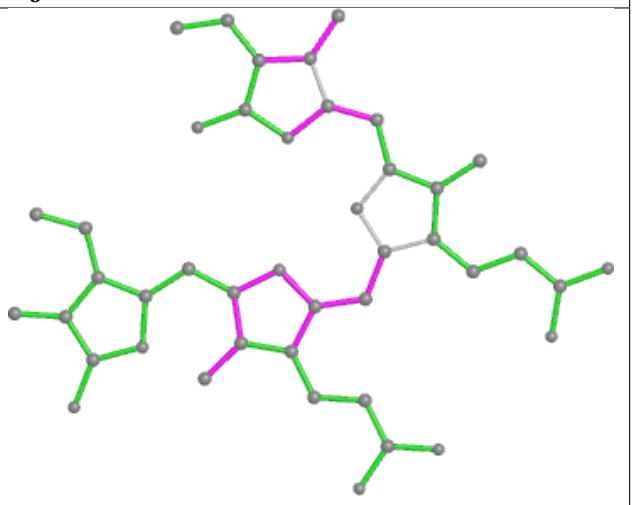

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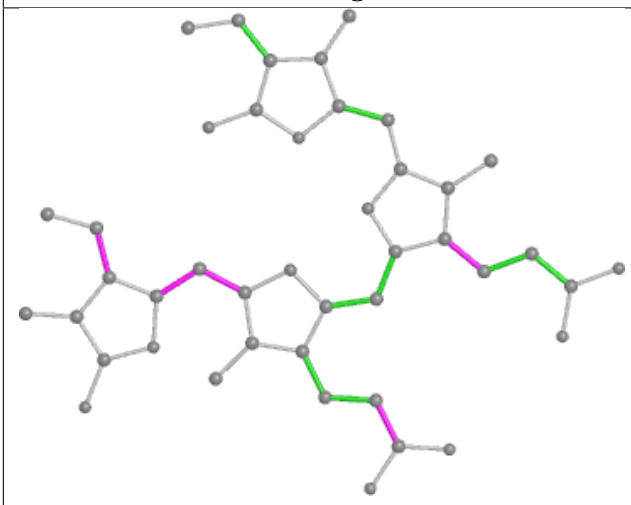

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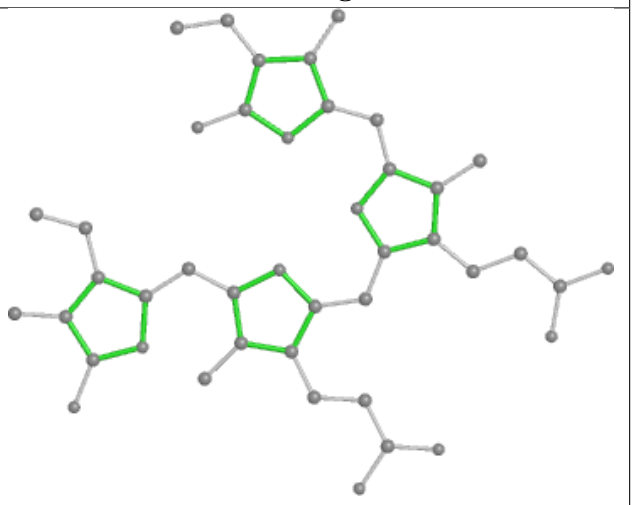

Rings

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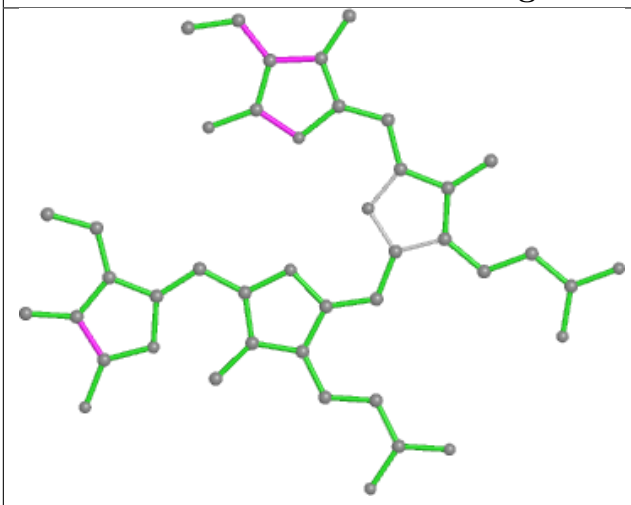

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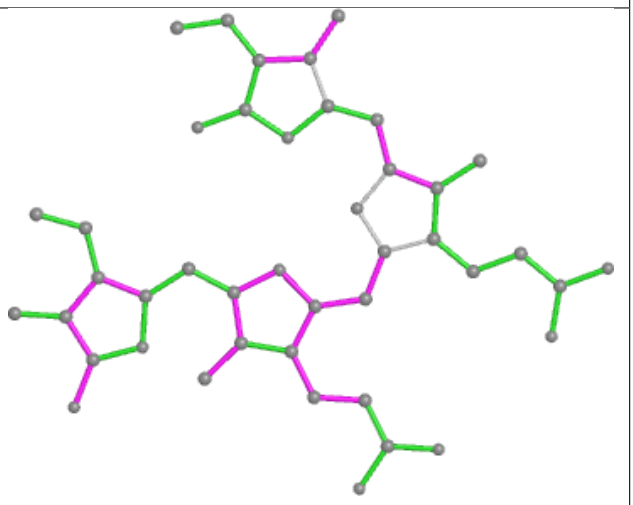

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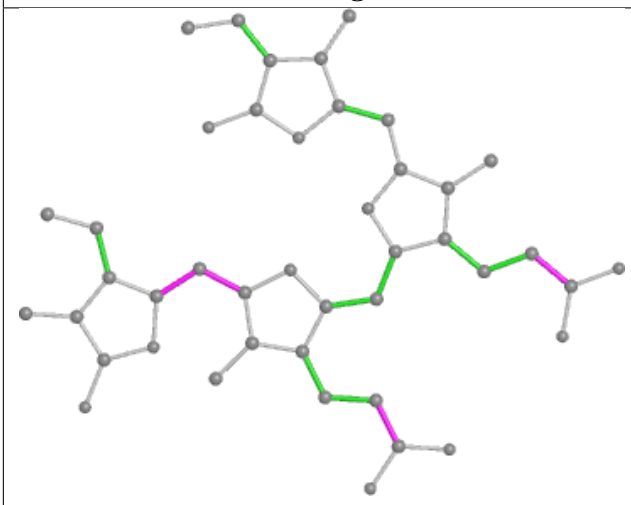

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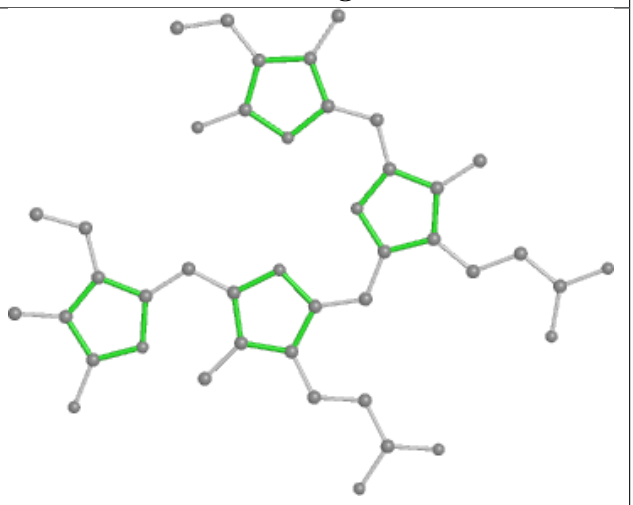

Rings

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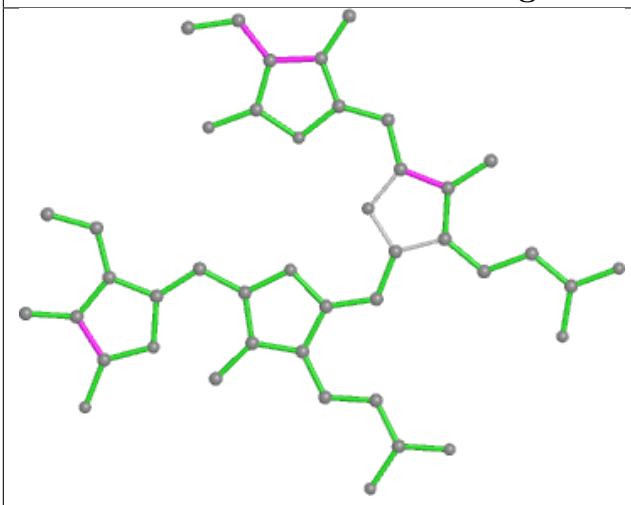

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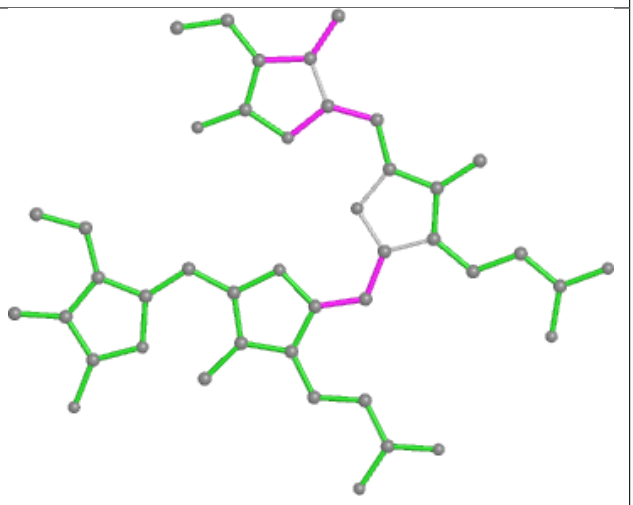

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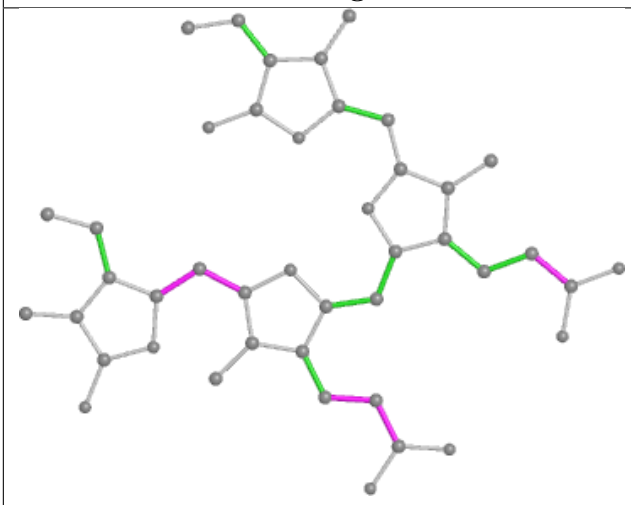

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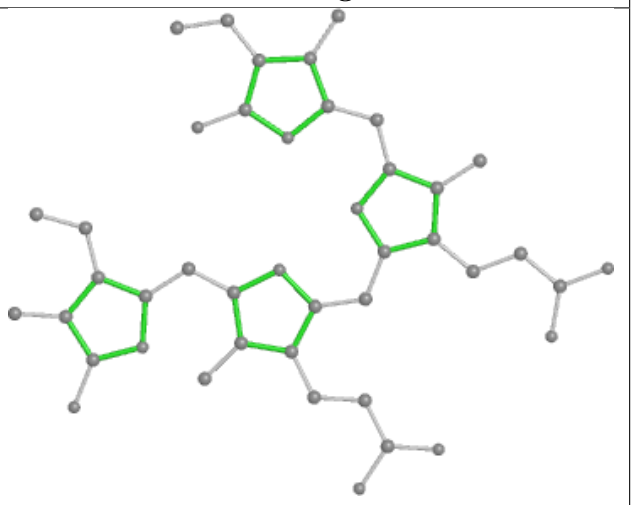

Rings

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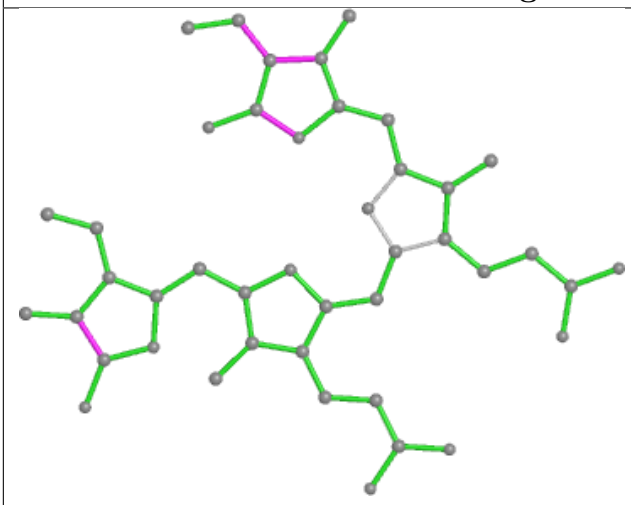

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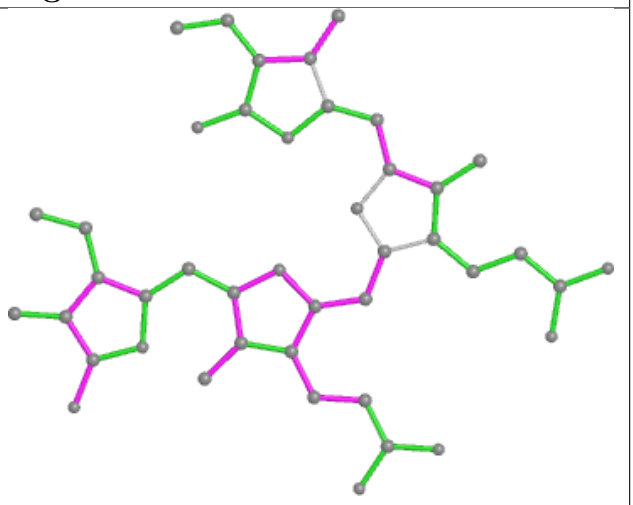

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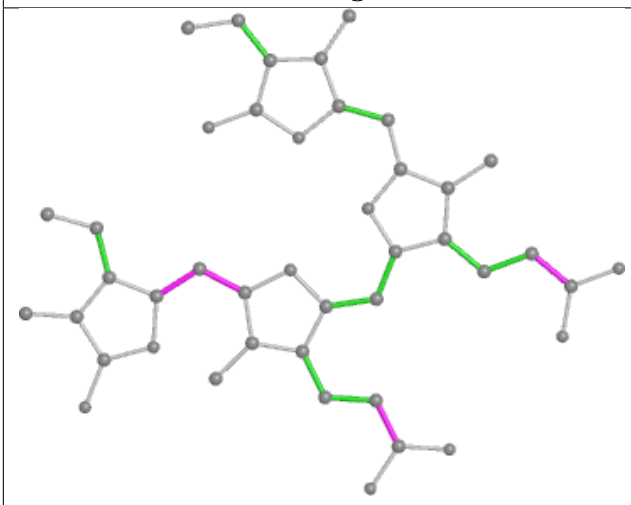

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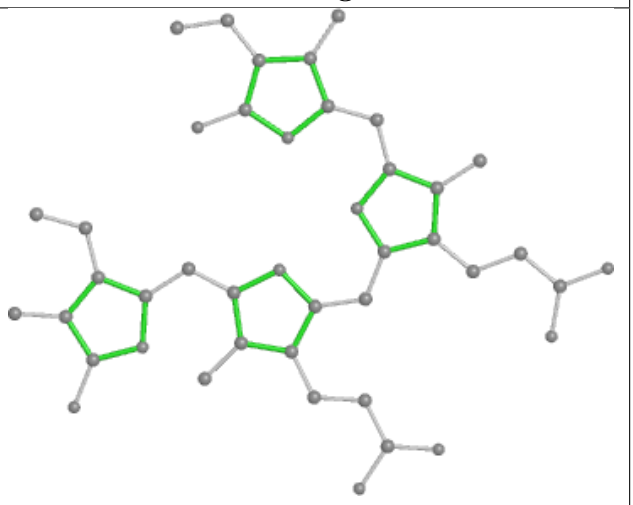
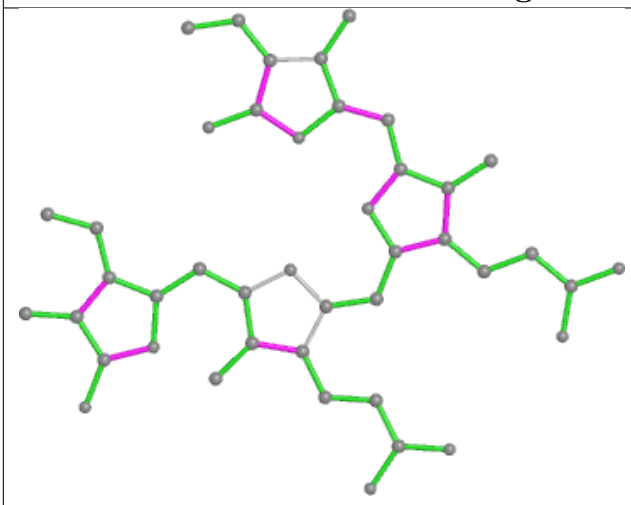


Rings

Ligand PUB hL 203



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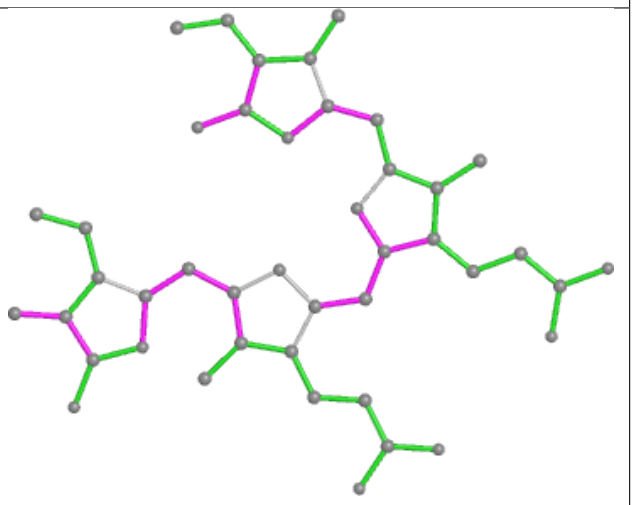

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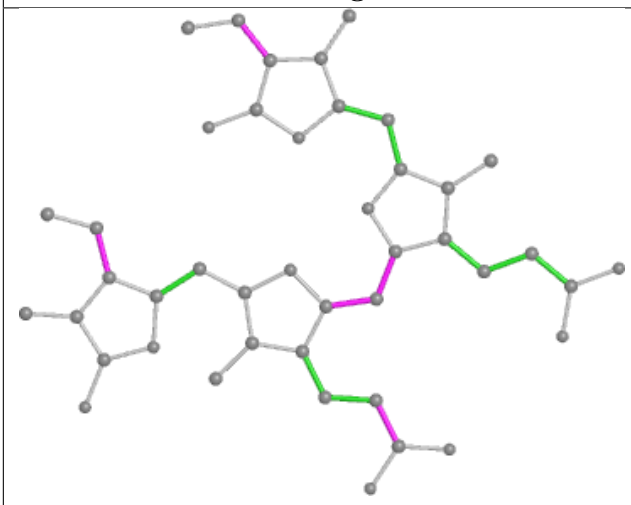

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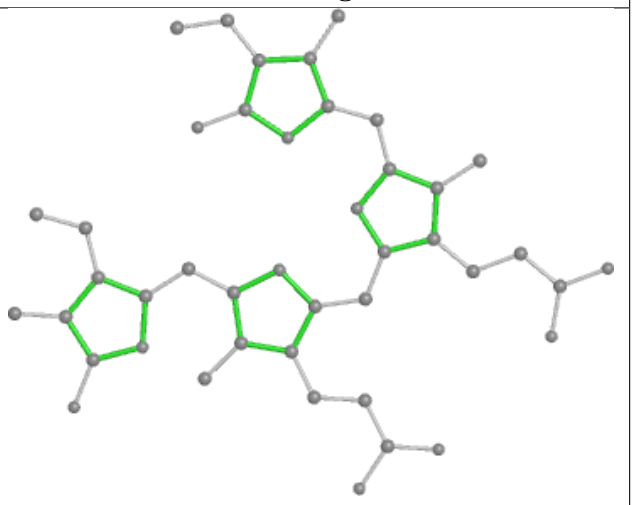
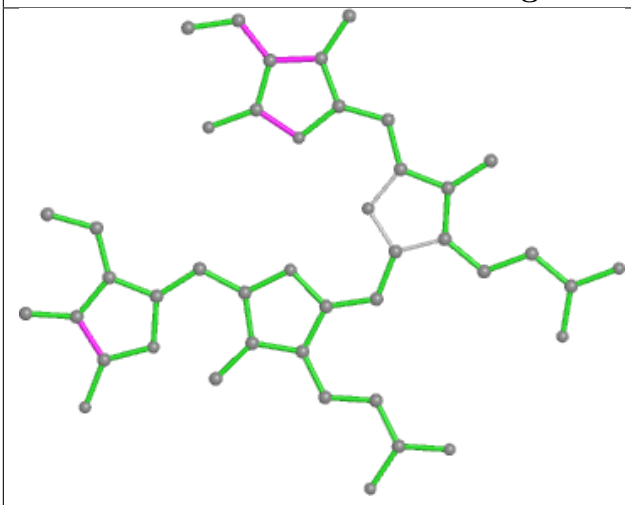


Rings

Ligand PEB ac 201



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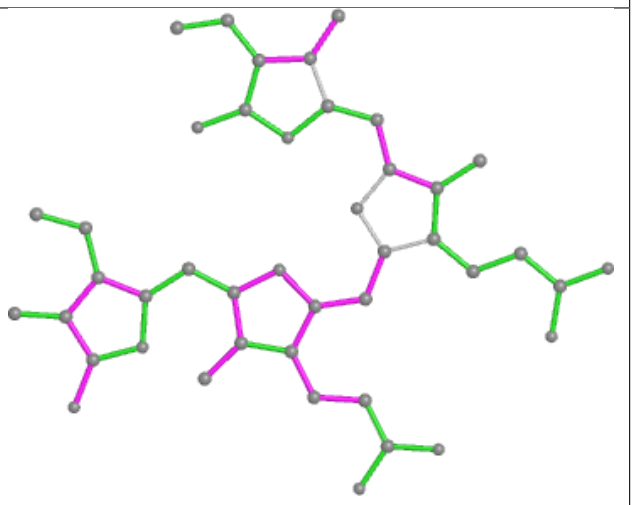

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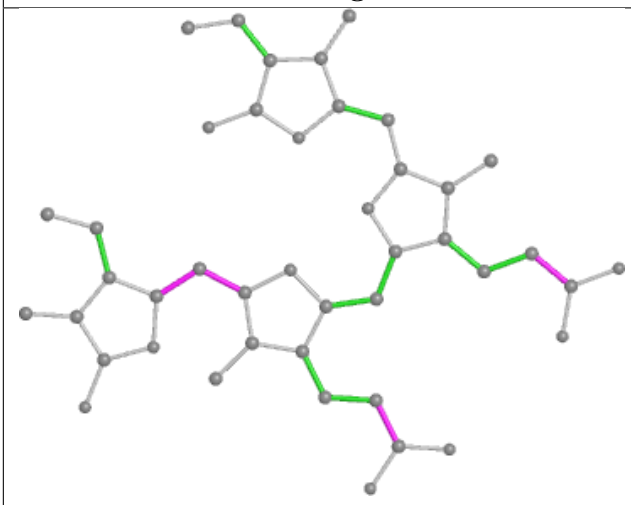

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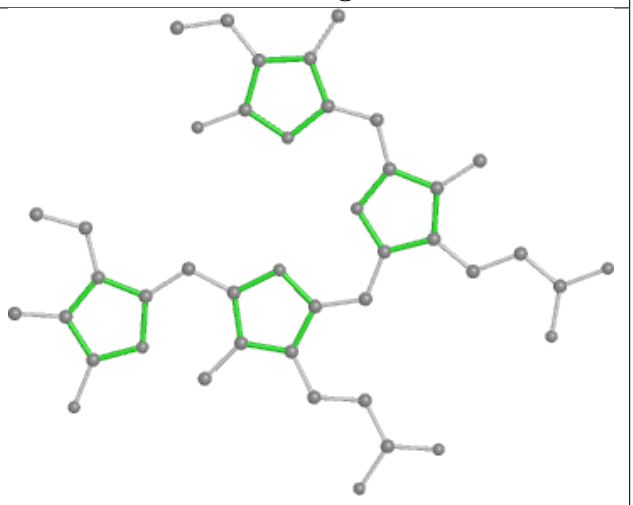

Rings

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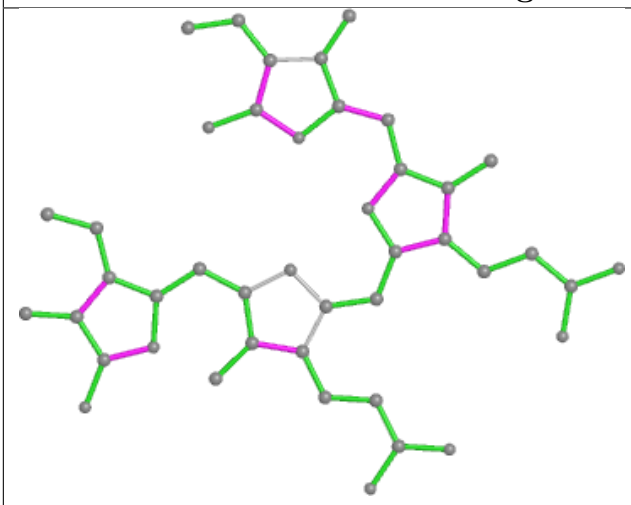

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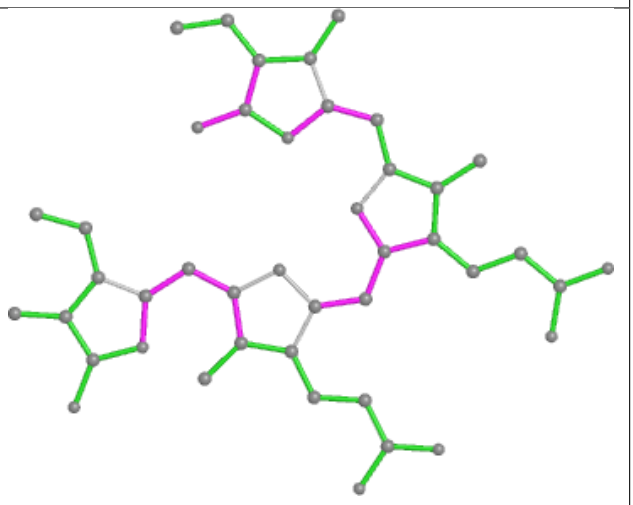

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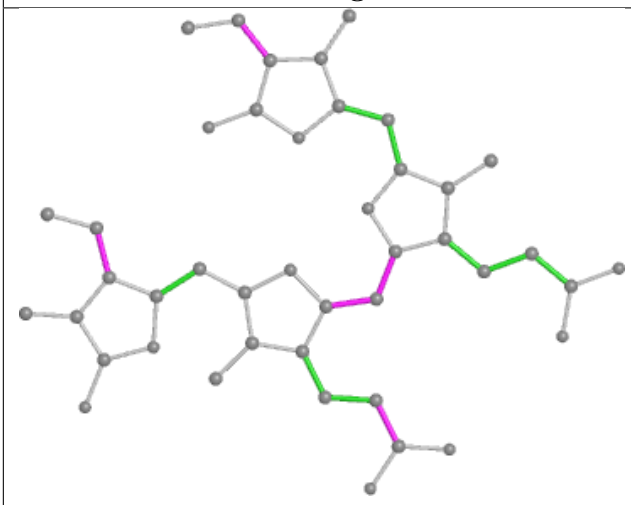

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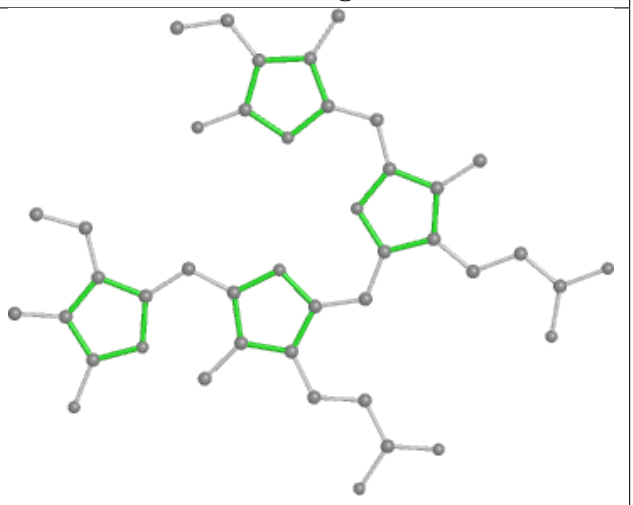
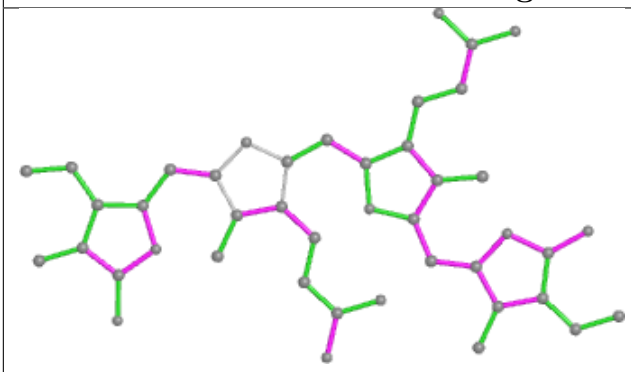


Rings

Ligand CYC S1 201



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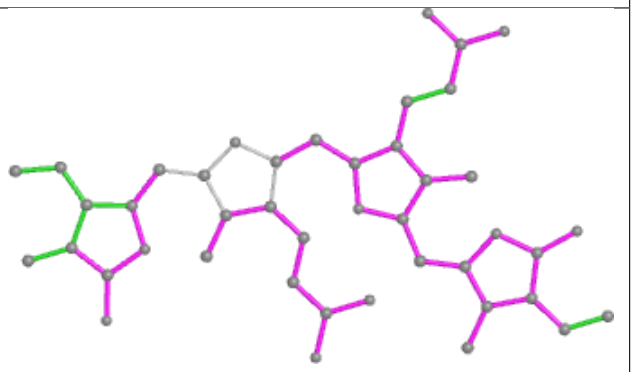
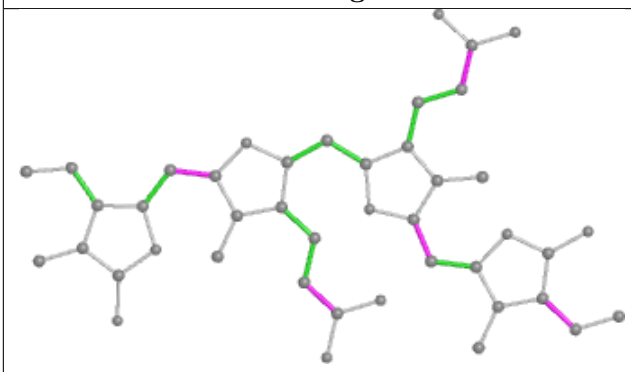


Bond angles



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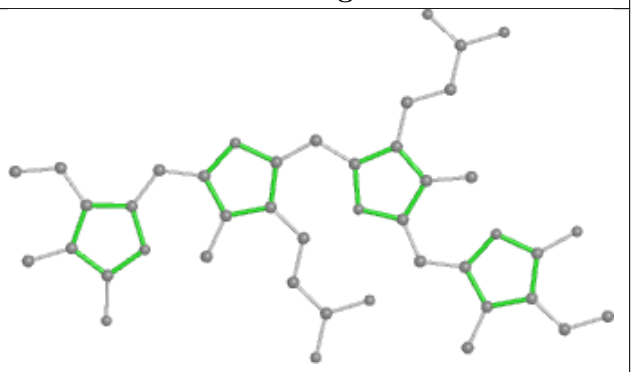
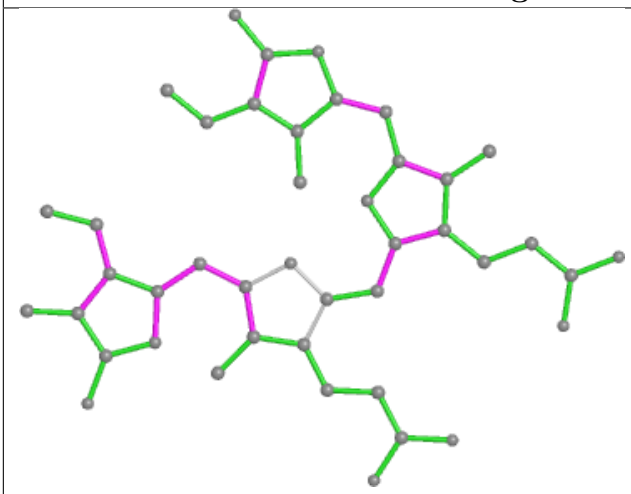


Rings

Ligand PVN hY 404



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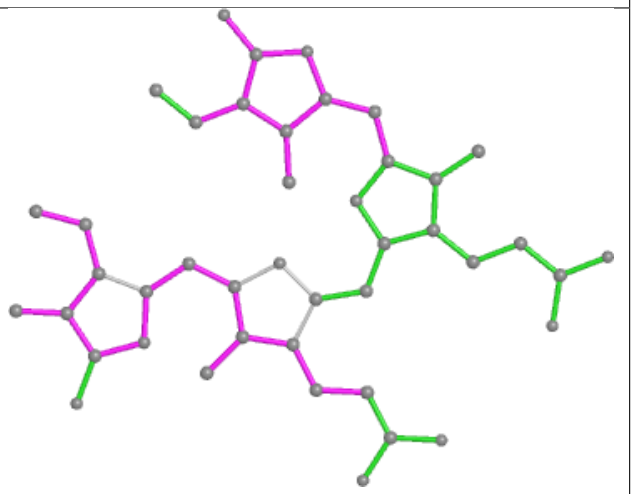

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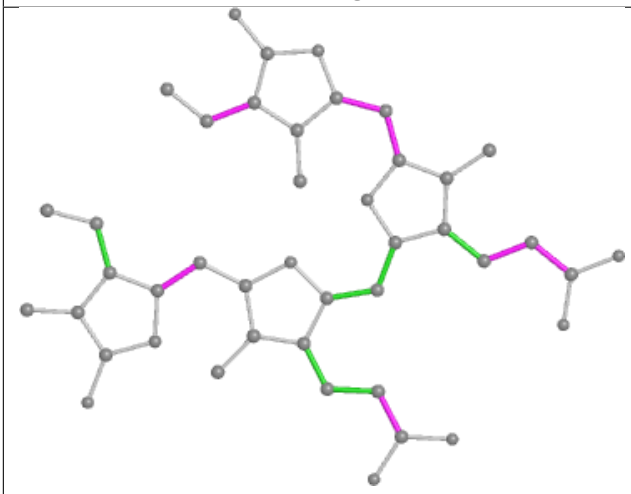

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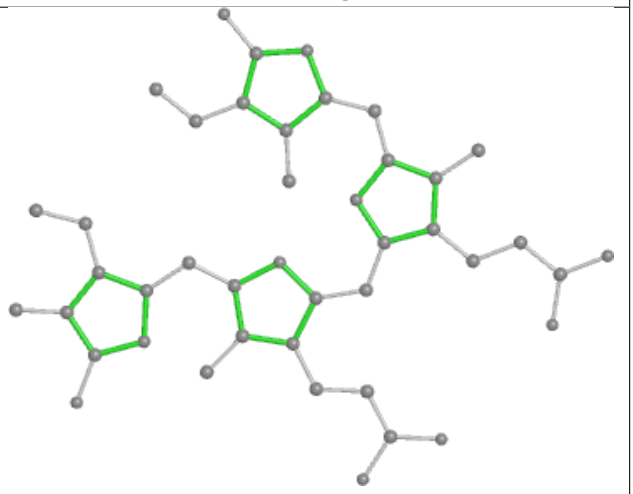
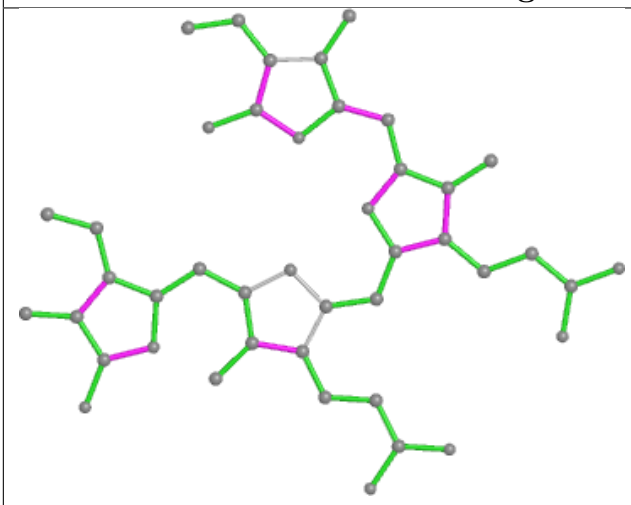


Rings

Ligand PUB aJ 203



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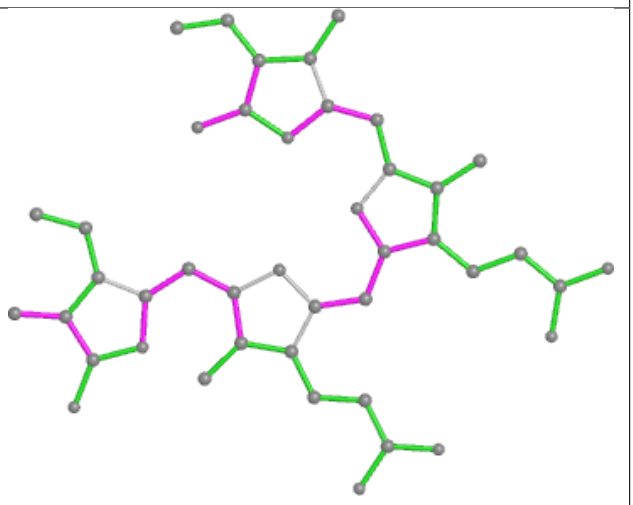

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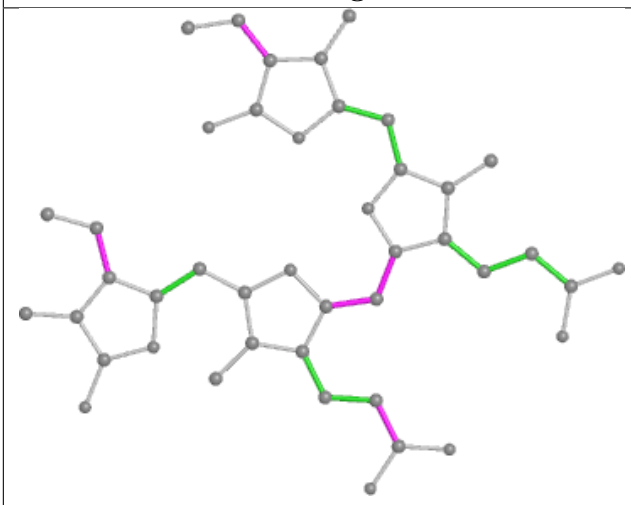
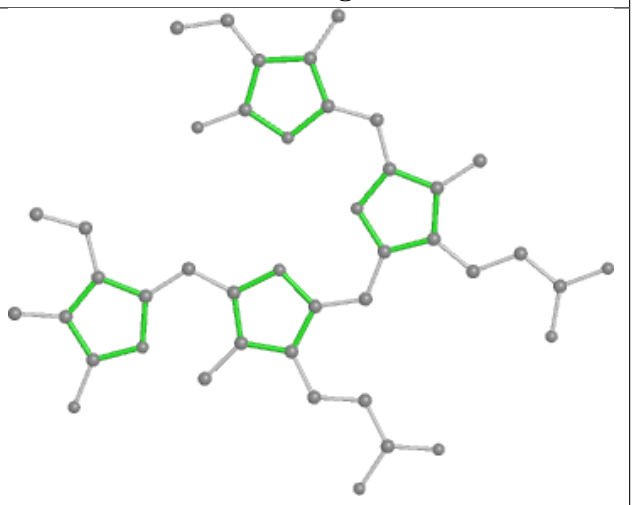
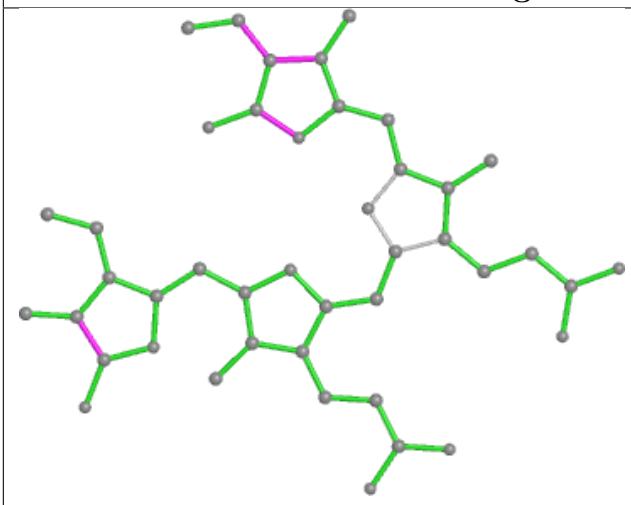


Torsions



Rings

Ligand PEB fn 1001



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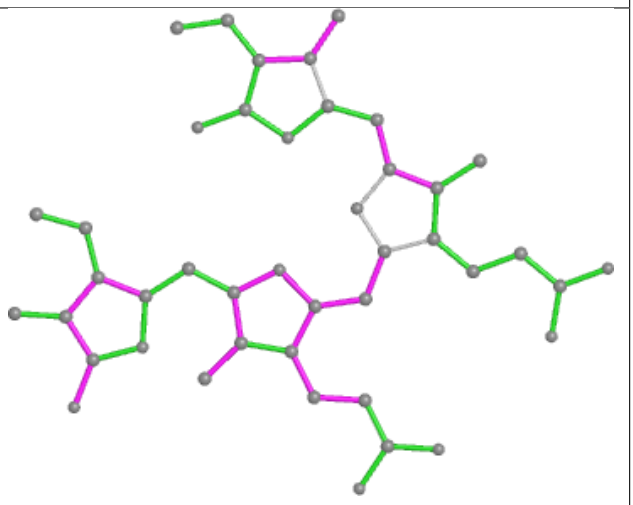

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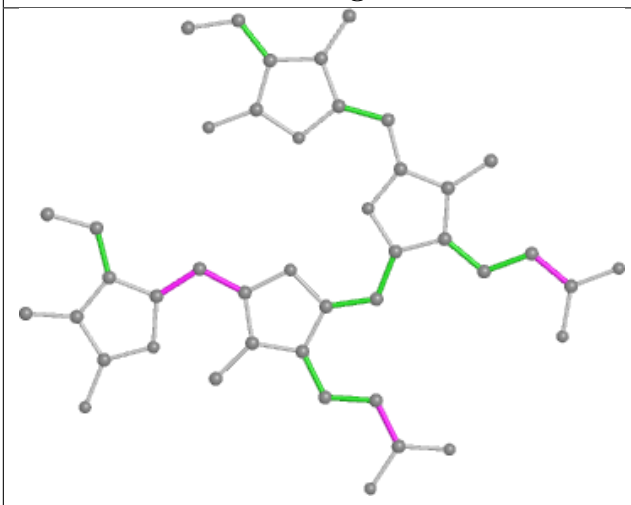

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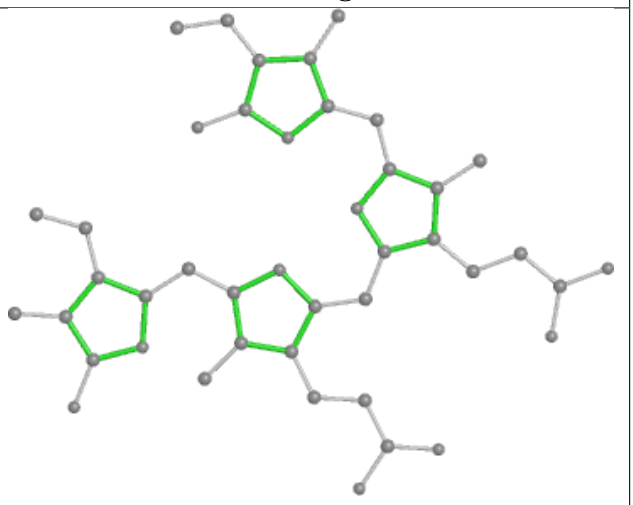
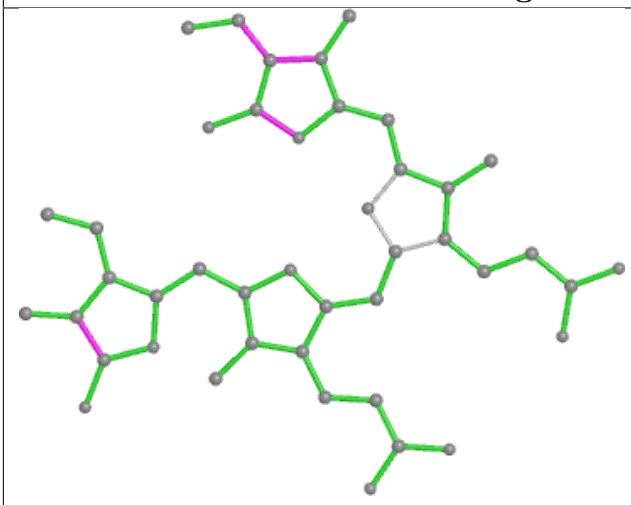


Rings

Ligand PEB X9 401



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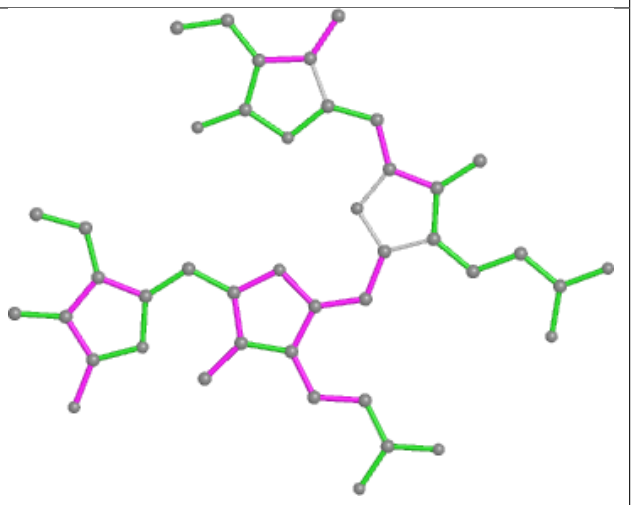

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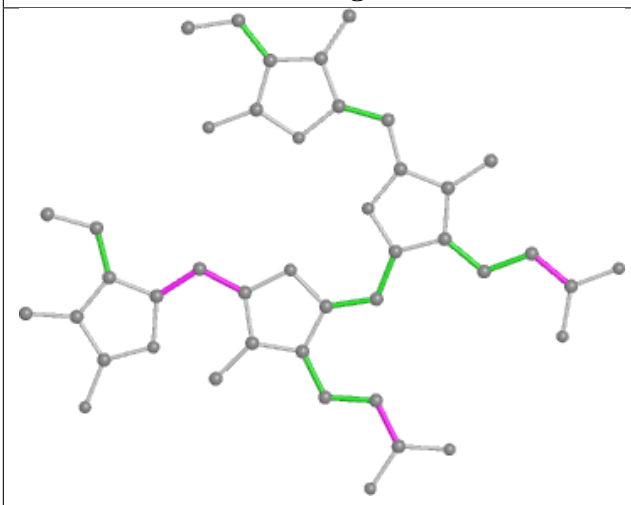

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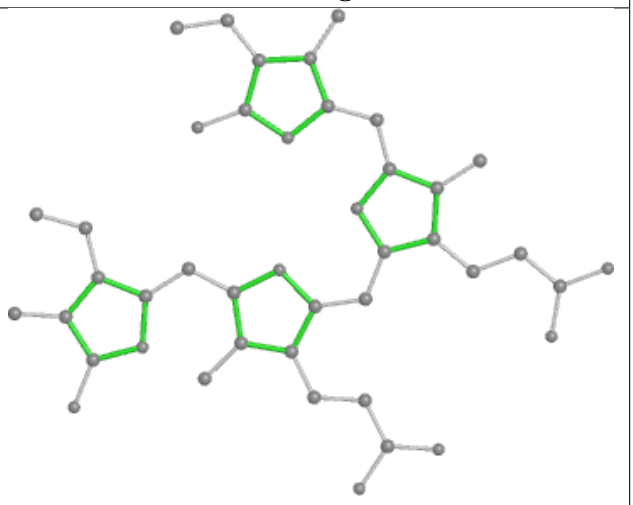
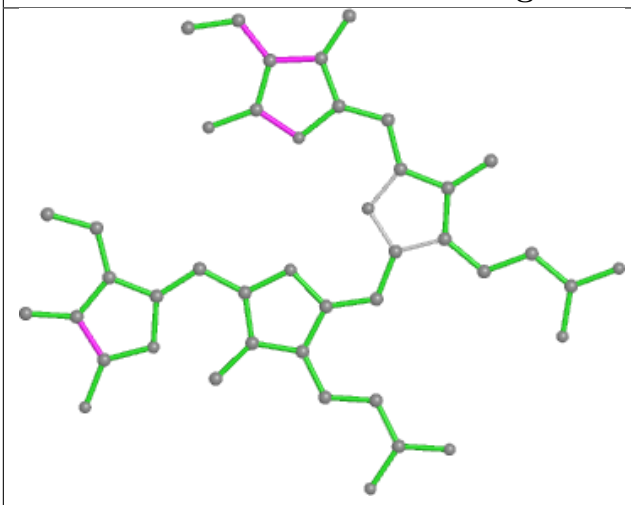


Rings

Ligand PEB dF 201



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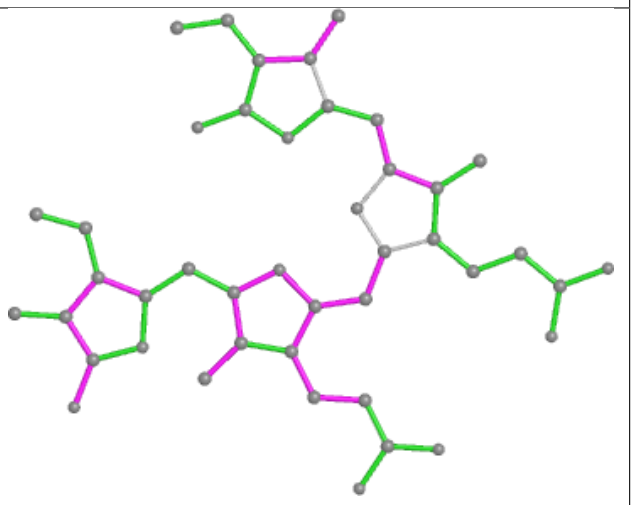

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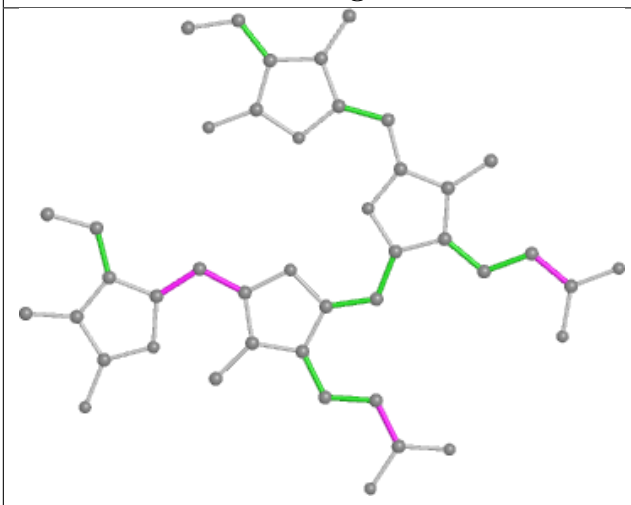

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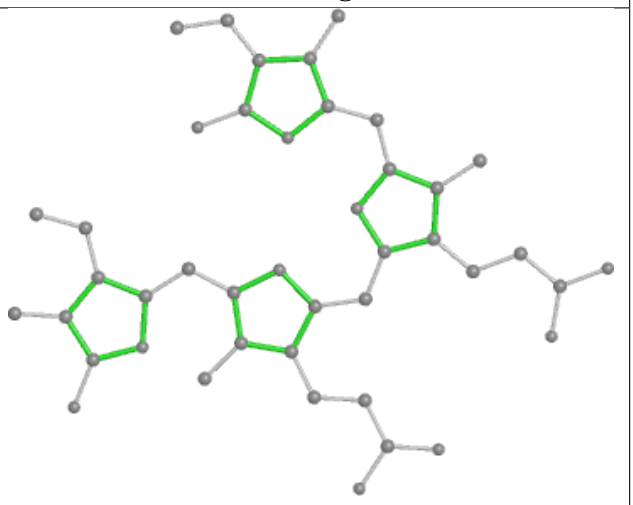
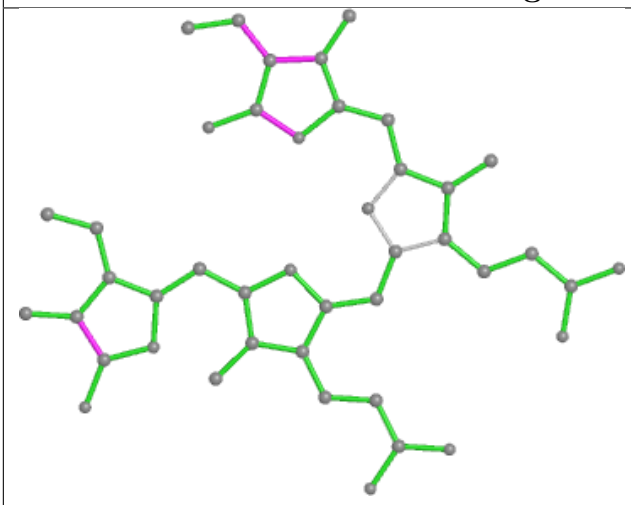


Rings

Ligand PEB gi 201



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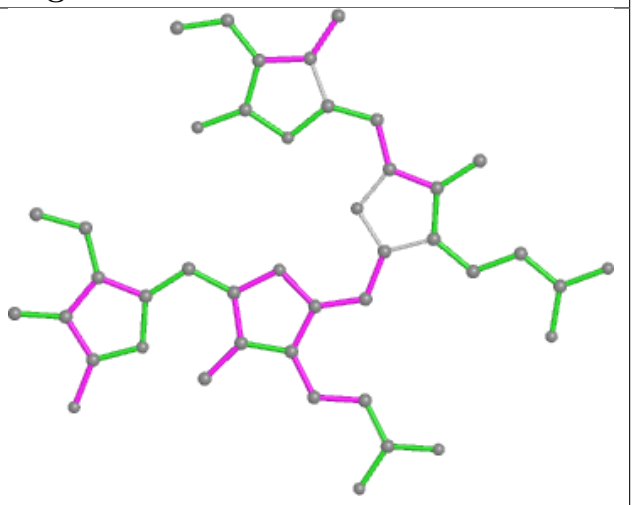

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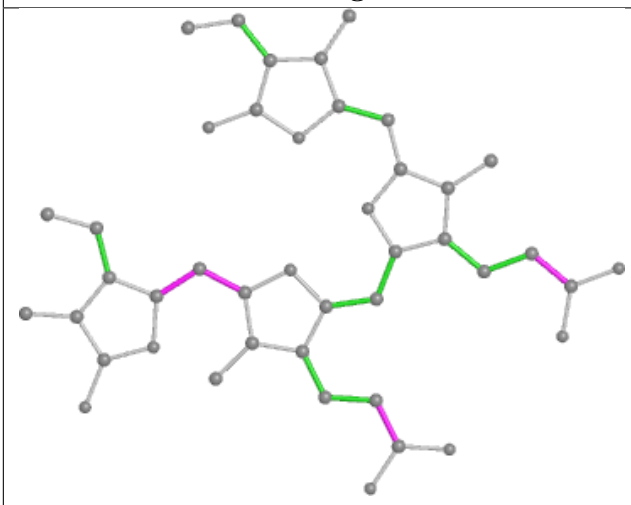

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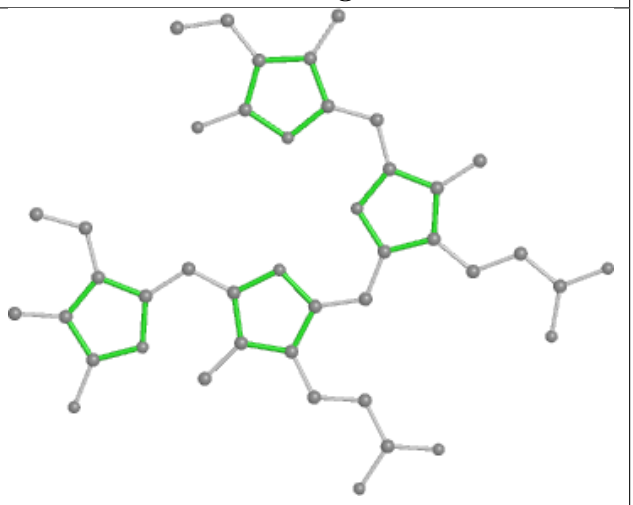

Rings

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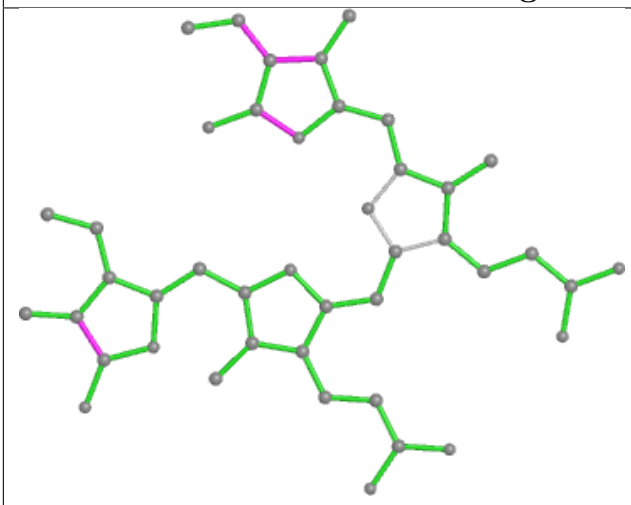

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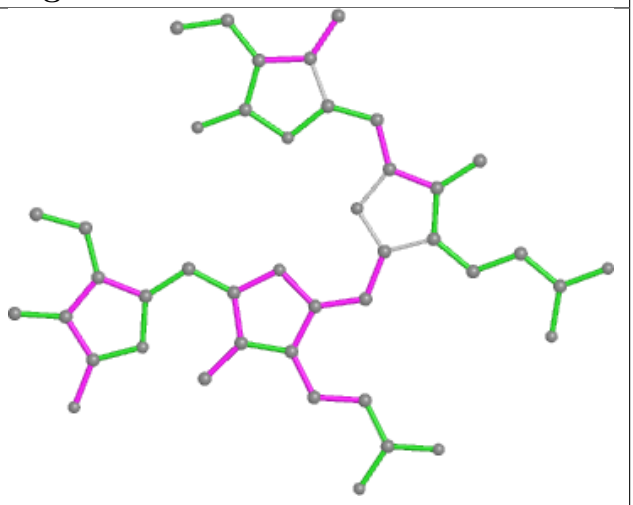

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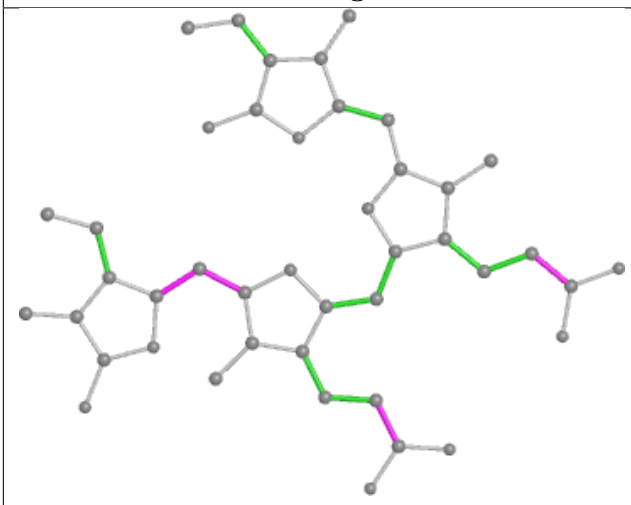

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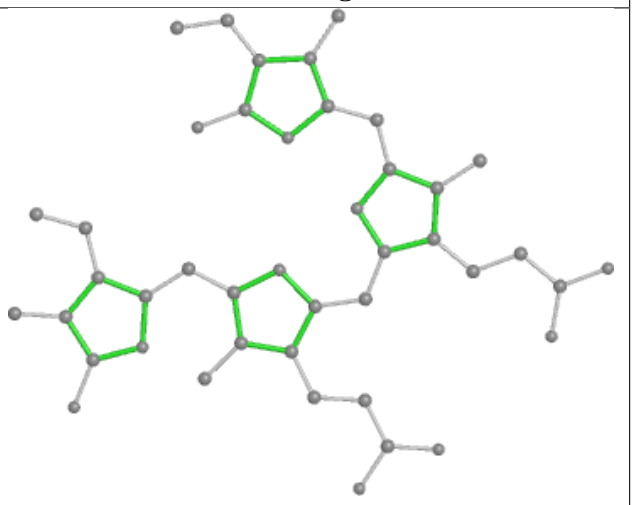

Rings

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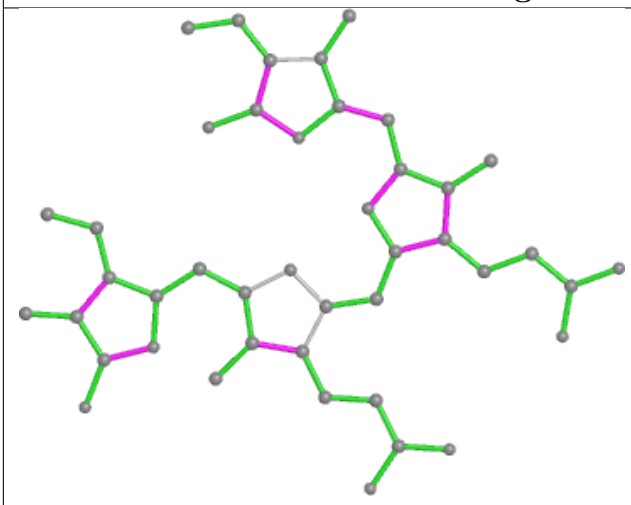

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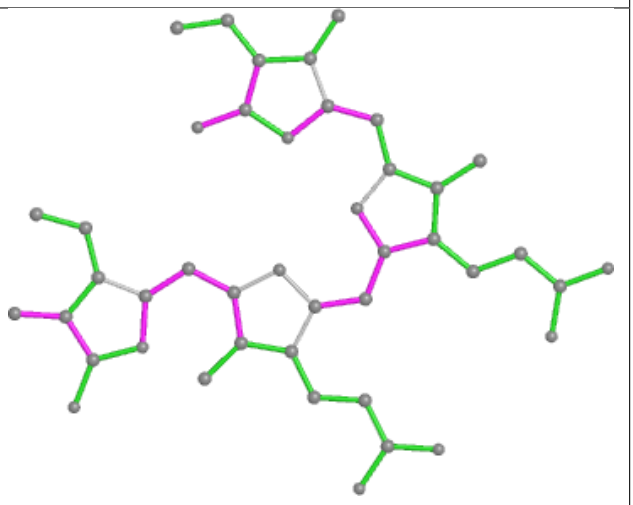

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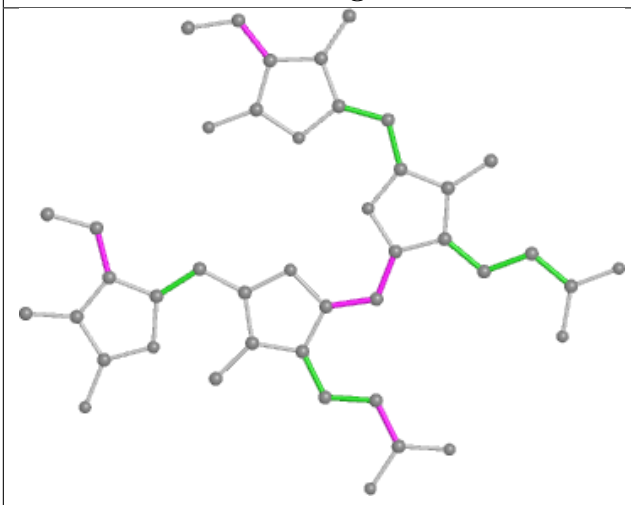

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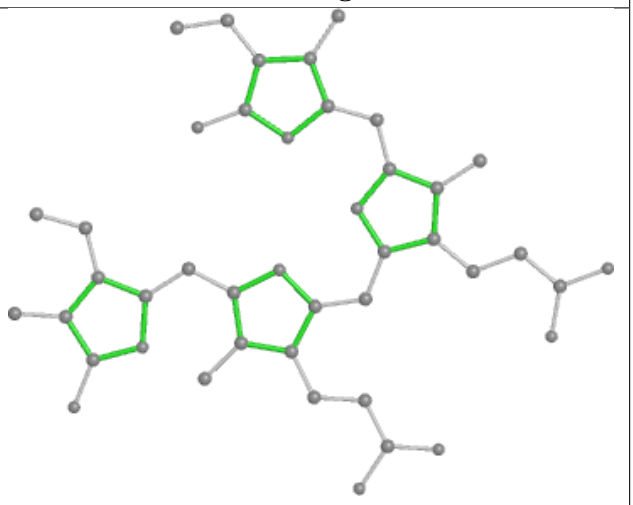

Rings

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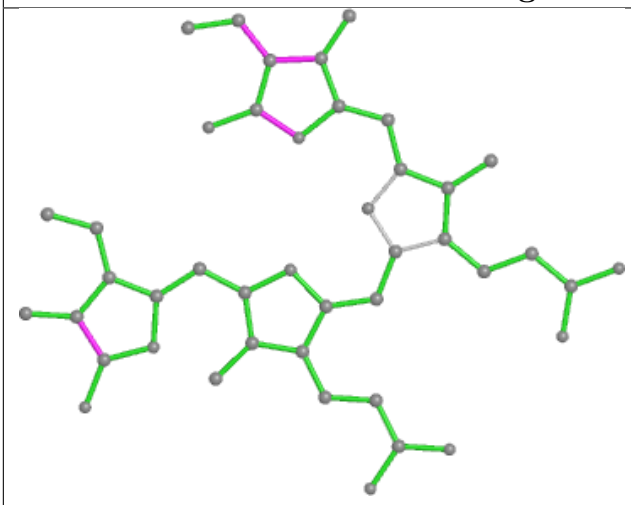

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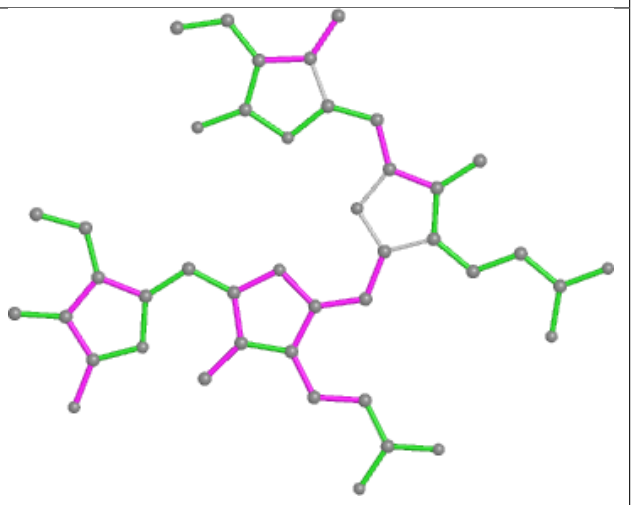

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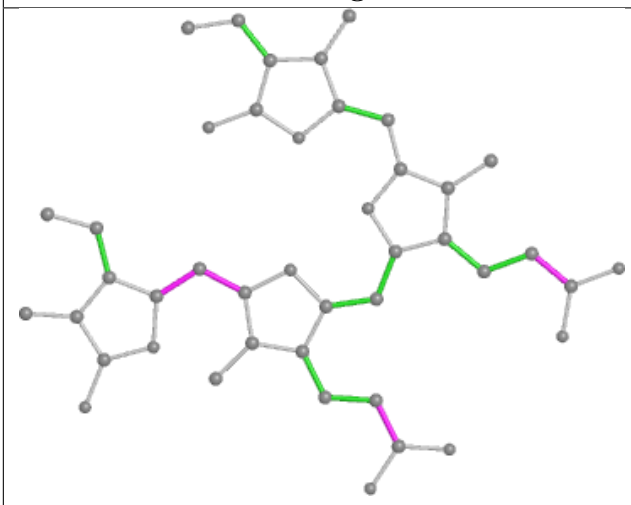

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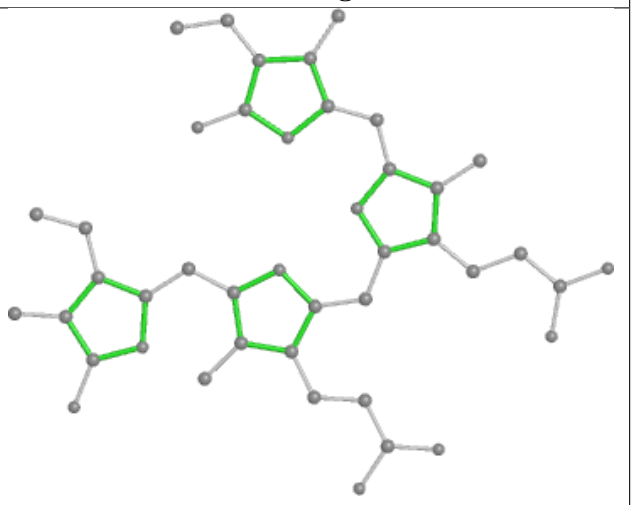

Rings

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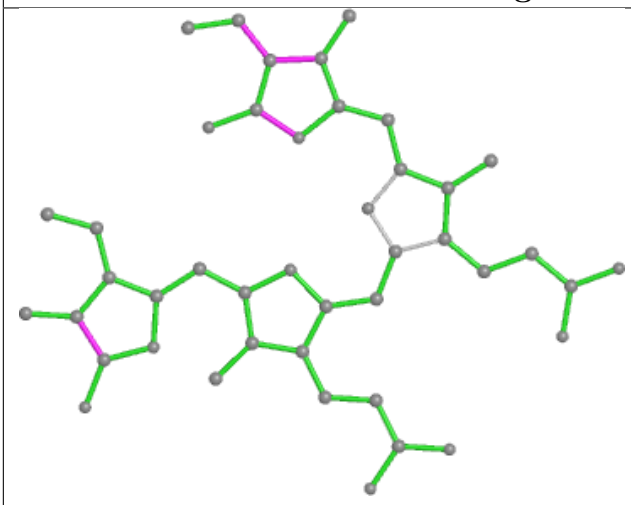

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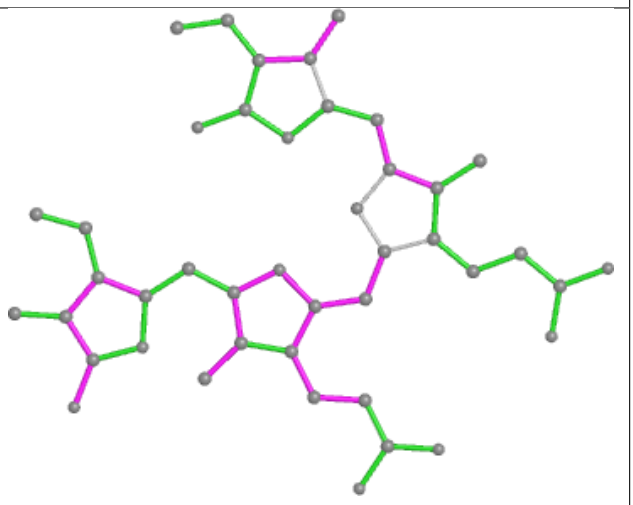

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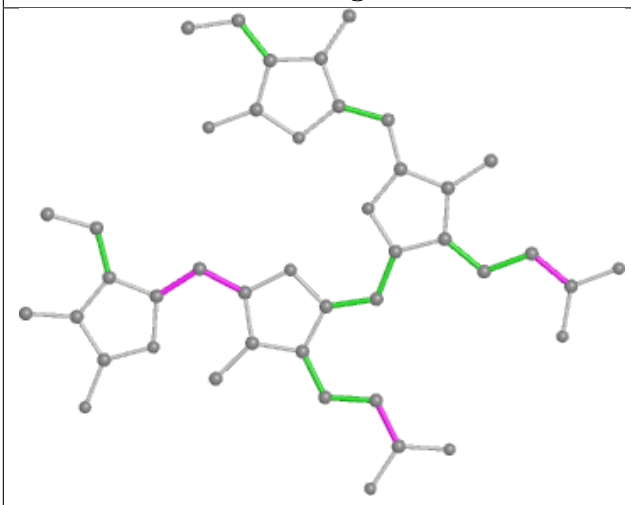

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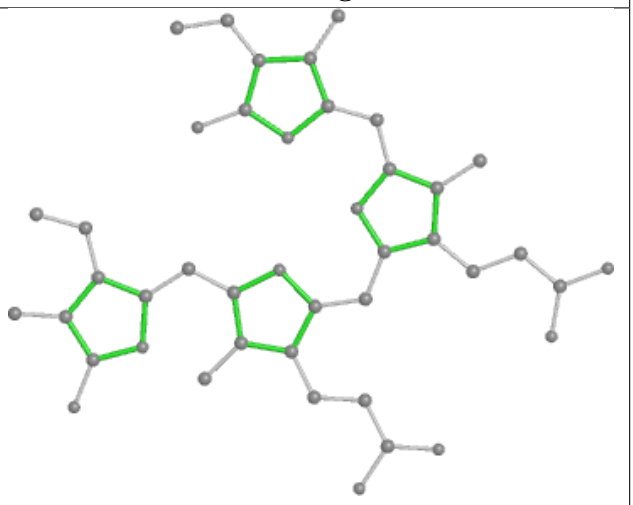

Rings

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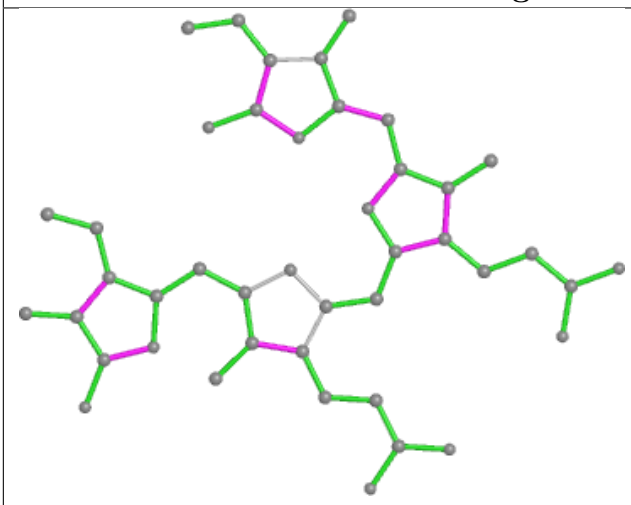

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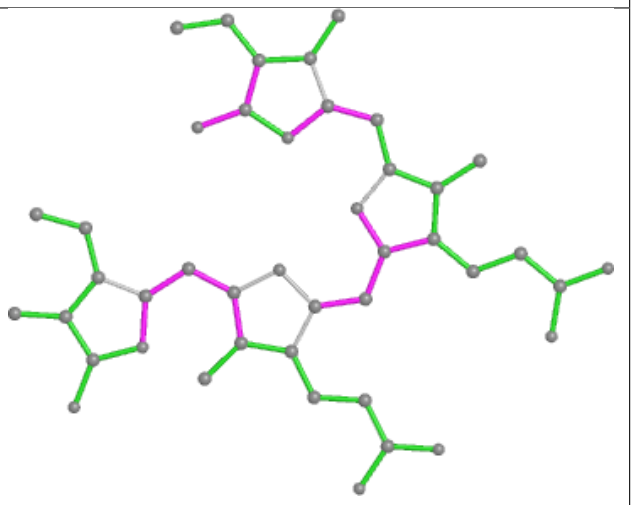

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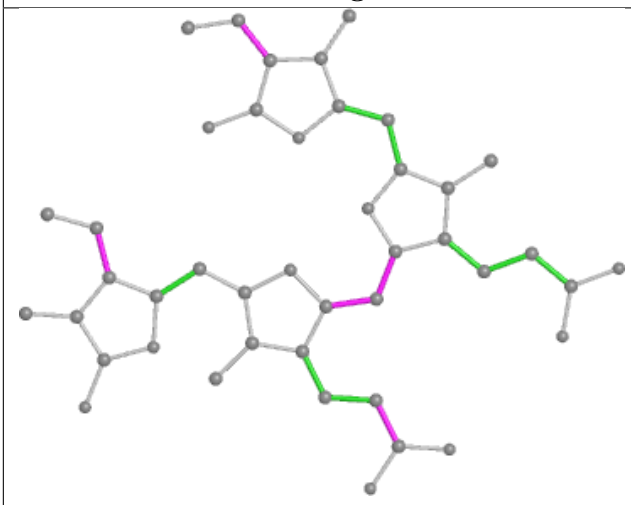

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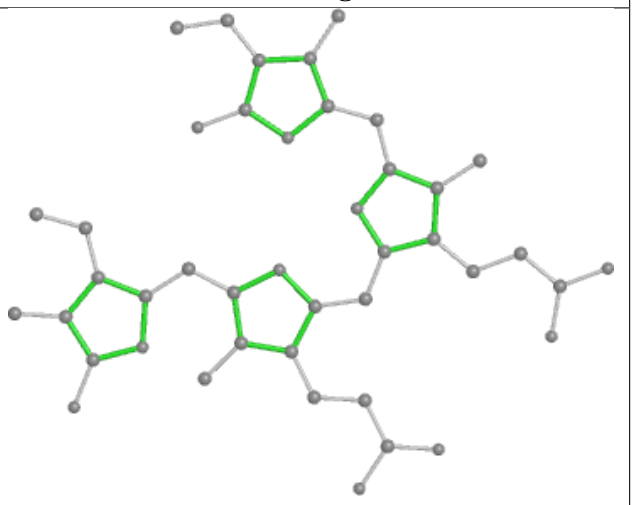

Rings

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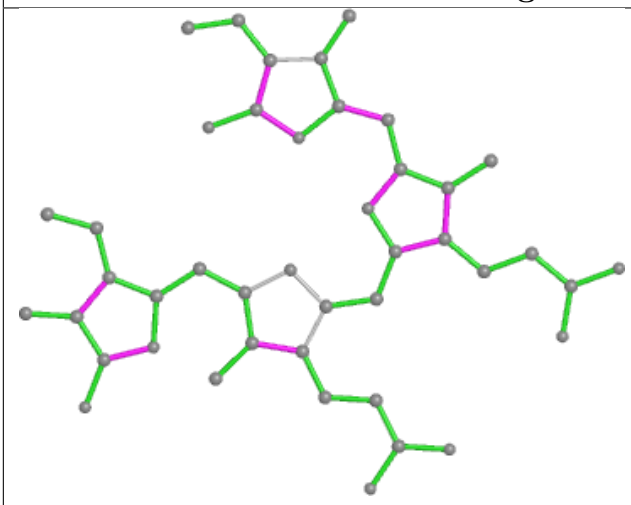

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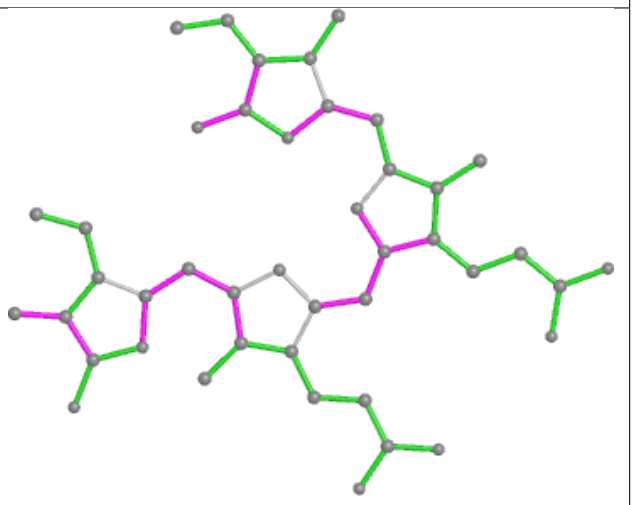

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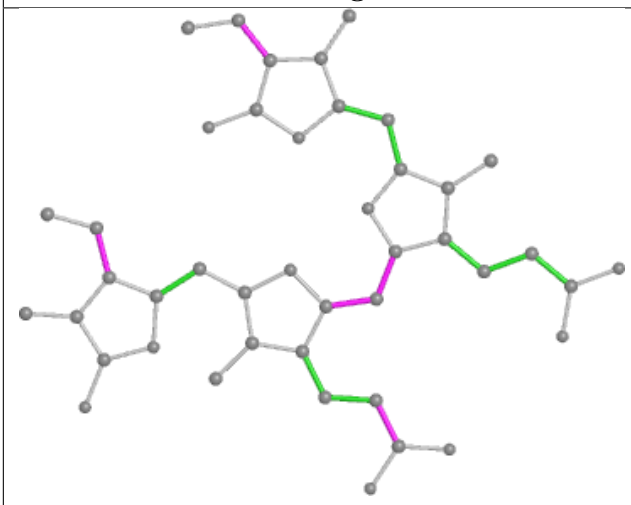

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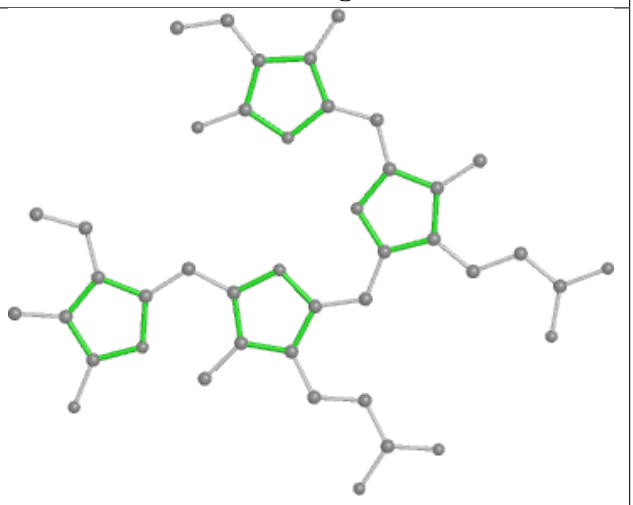
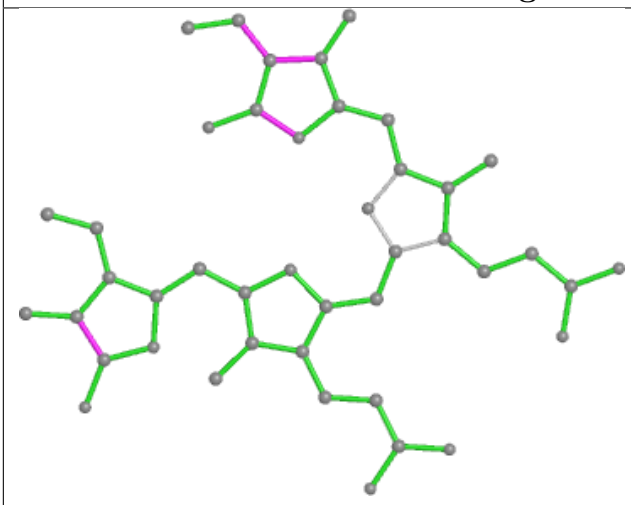


Rings

Ligand PEB au 201



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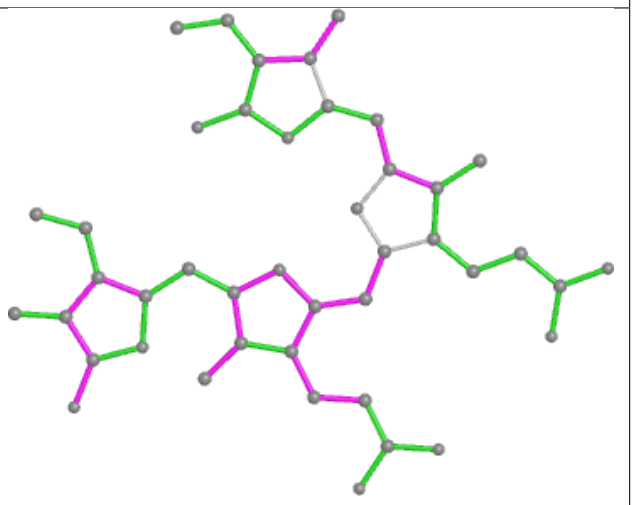

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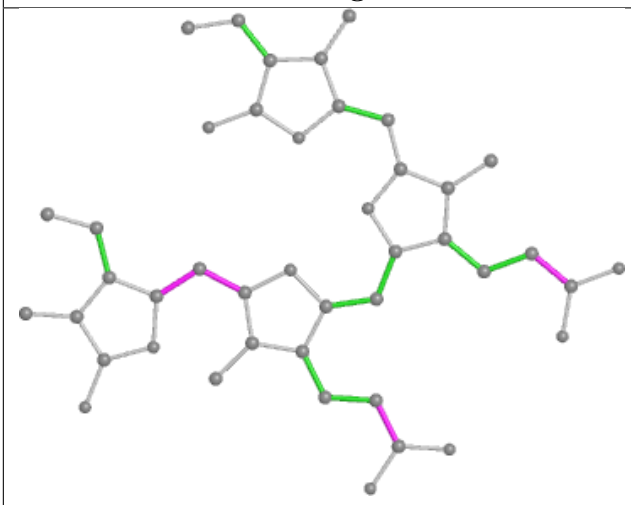

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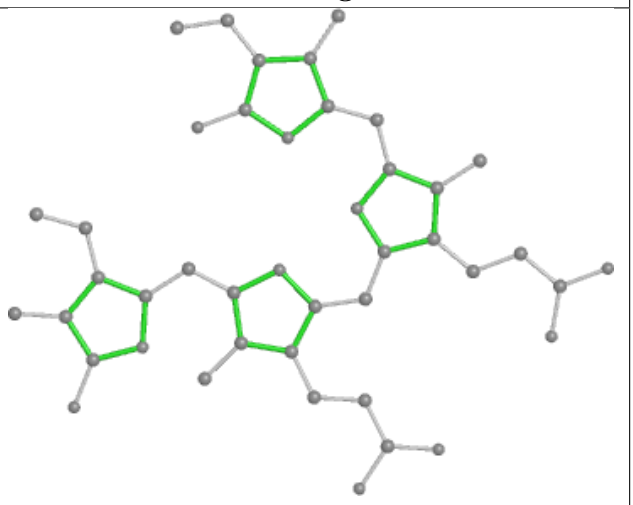

Rings

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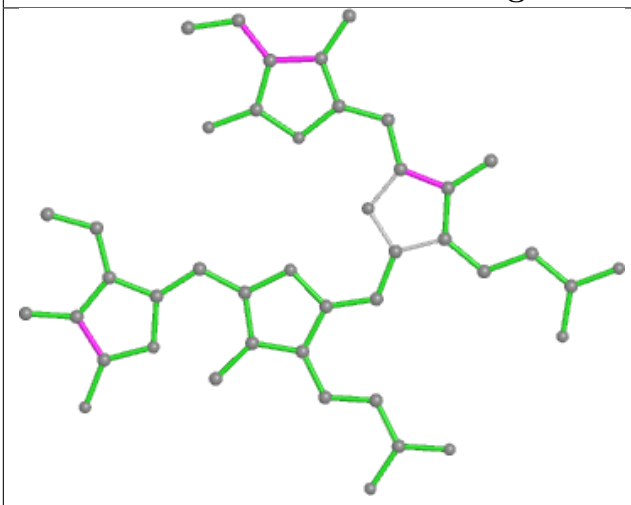

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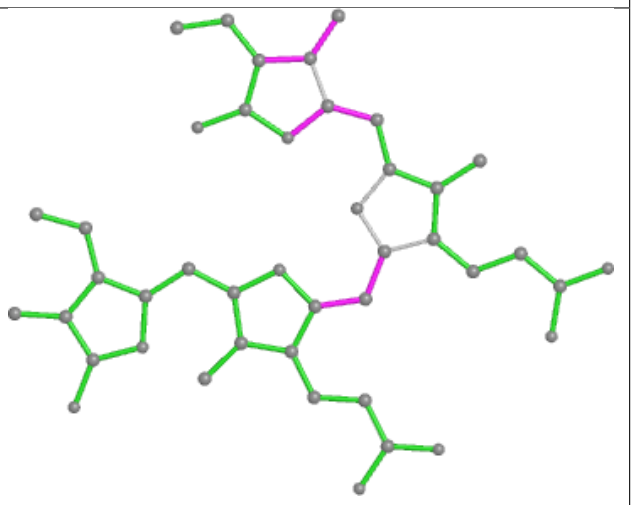

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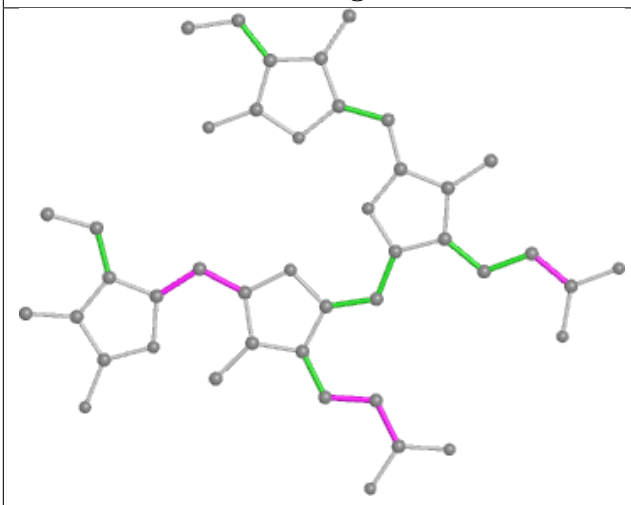

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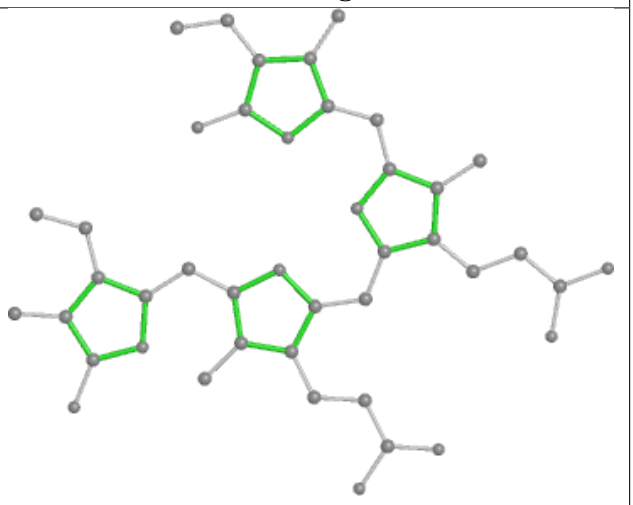

Rings

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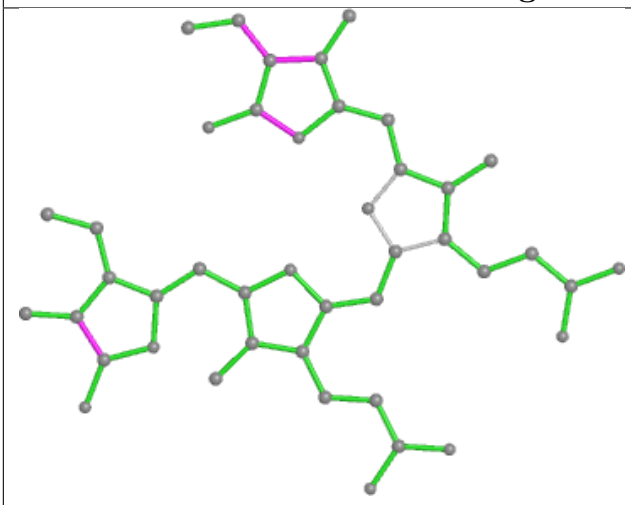

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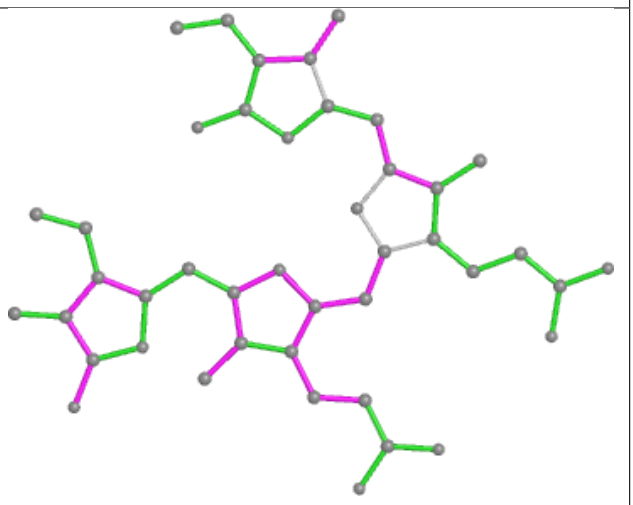
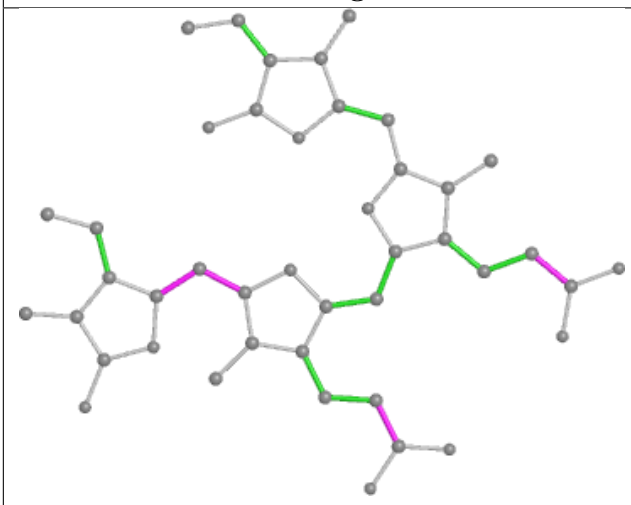
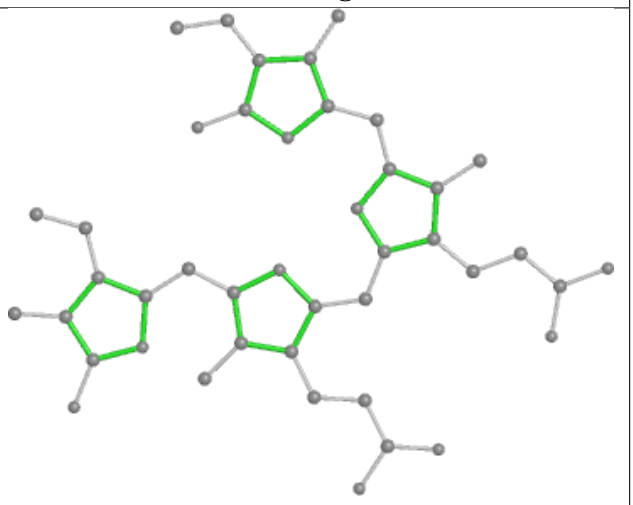


Bond angles

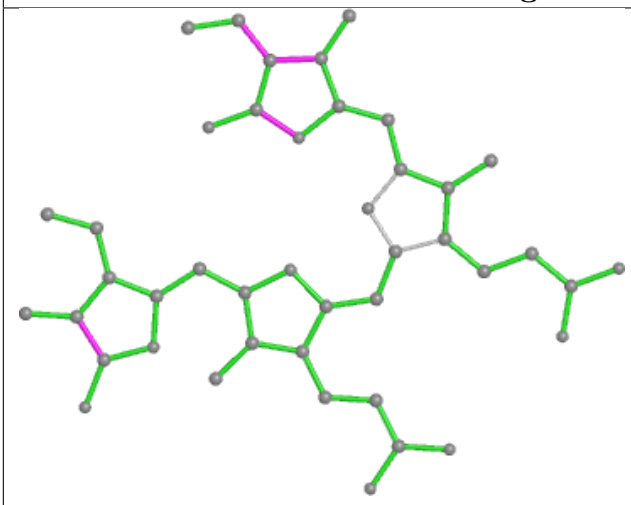


Torsions



Rings

Ligand PEB eq 202



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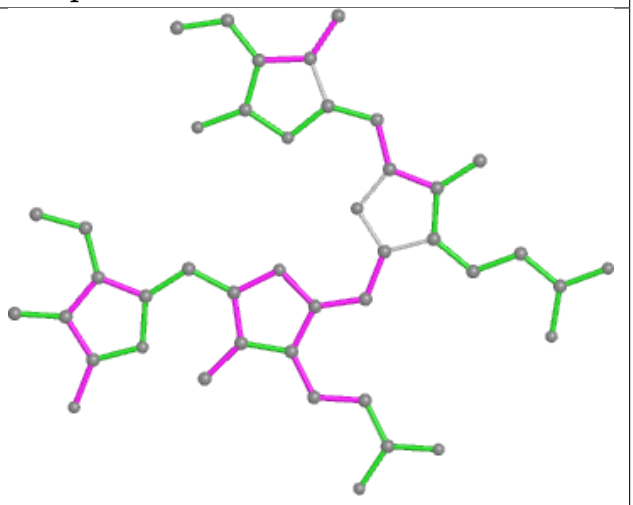

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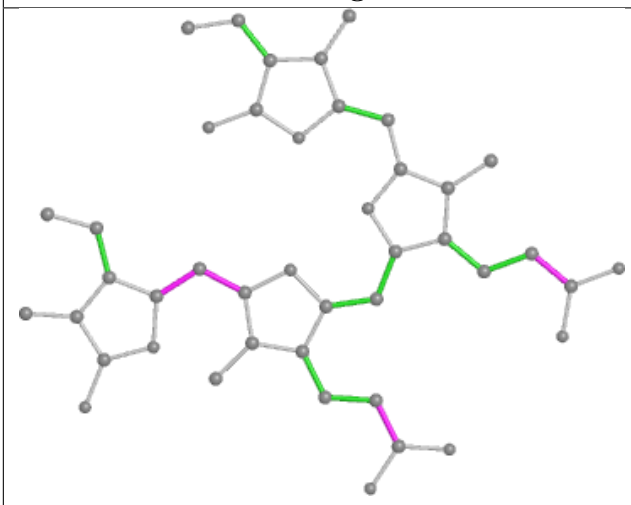

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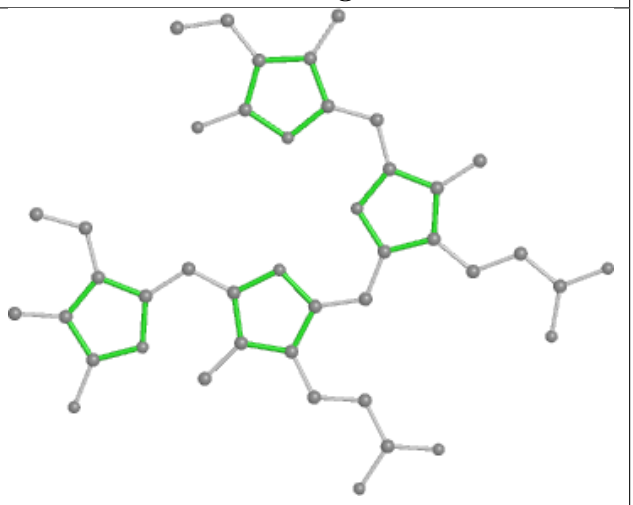
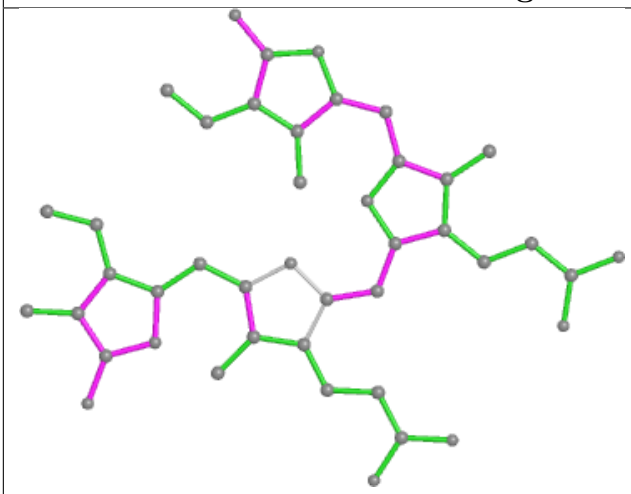


Rings

Ligand PVN gy 304



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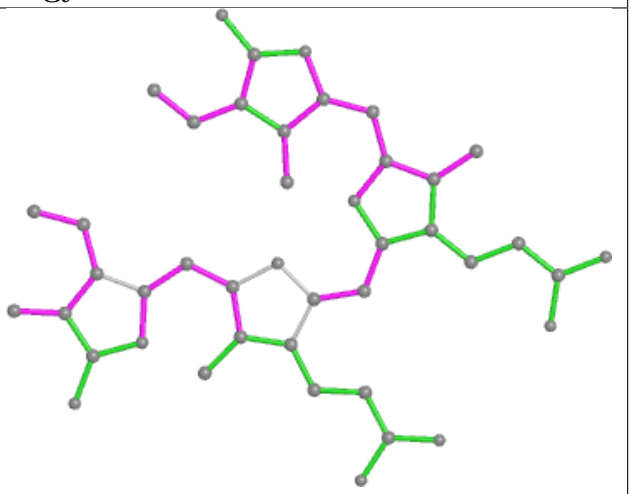

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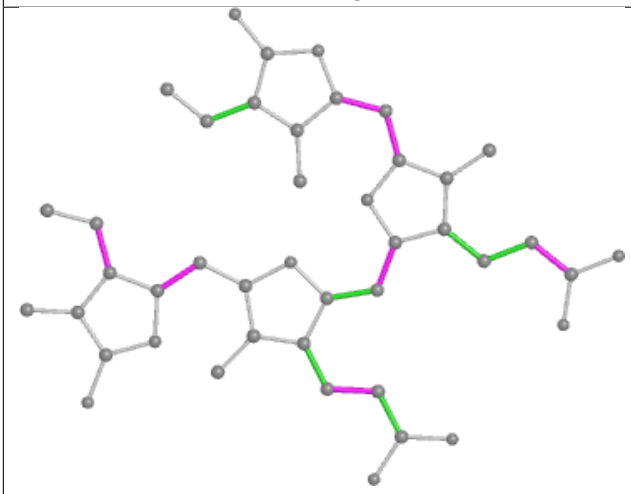

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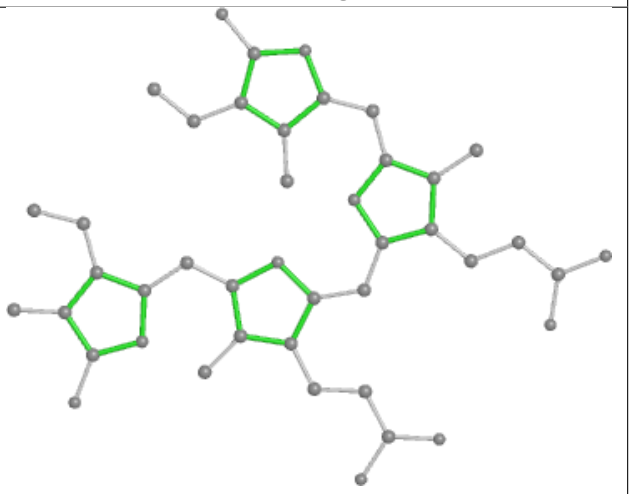
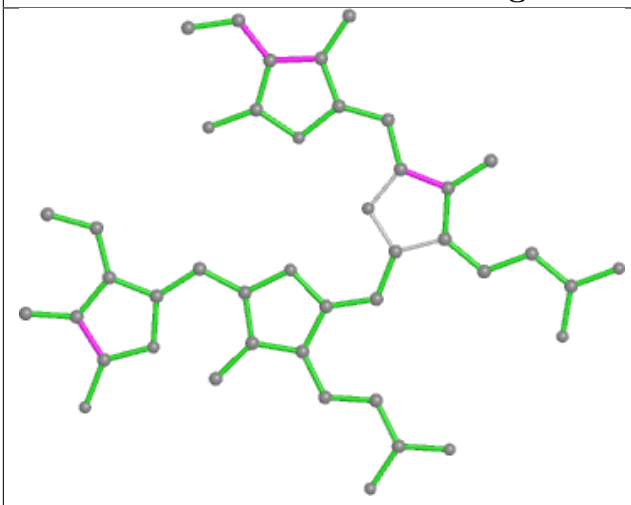


Rings

Ligand PEB lm 1002



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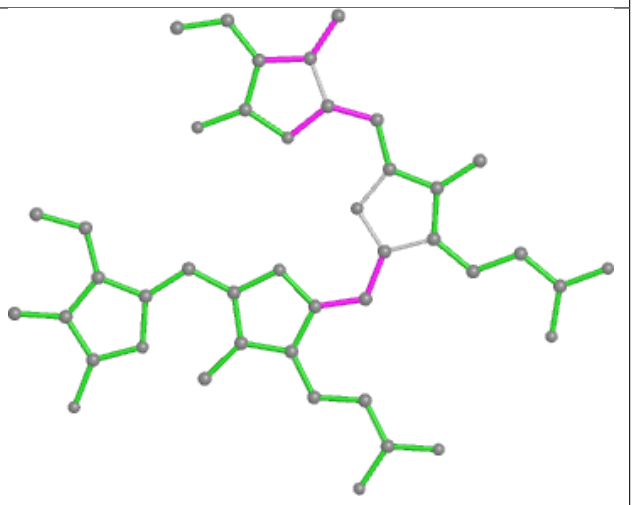

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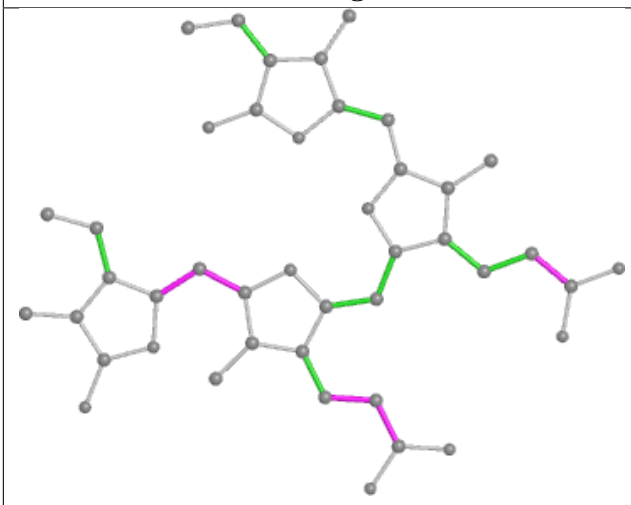

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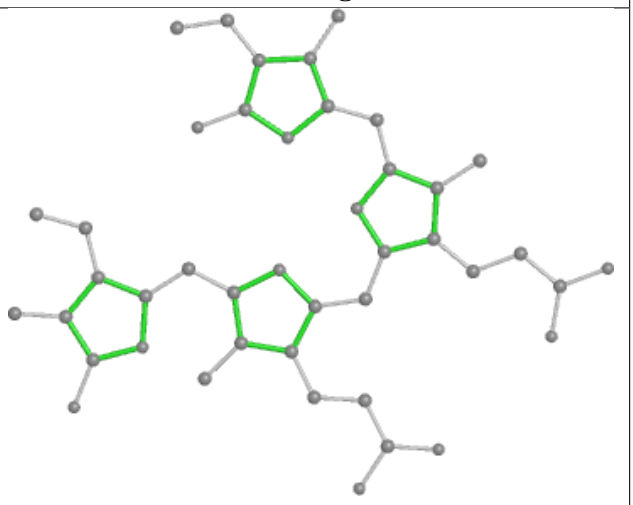
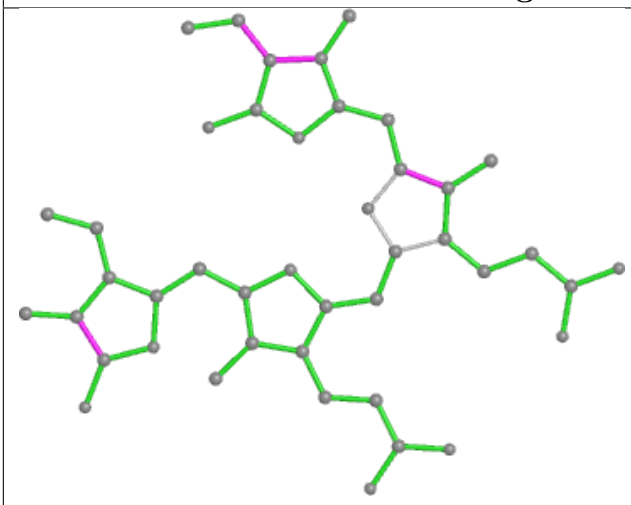


Rings

Ligand PEB eY 401



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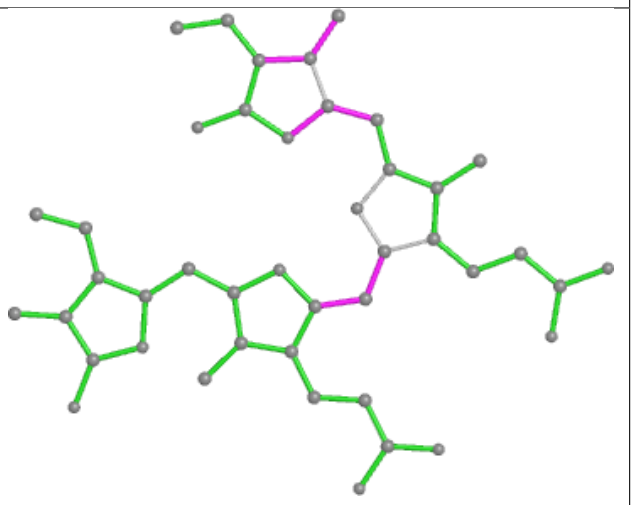

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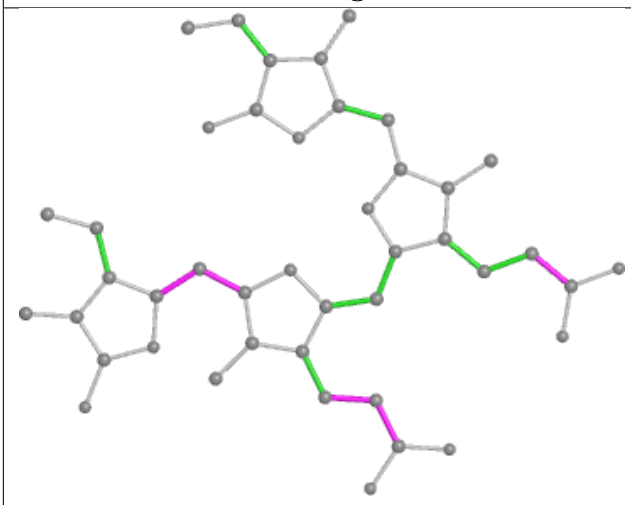

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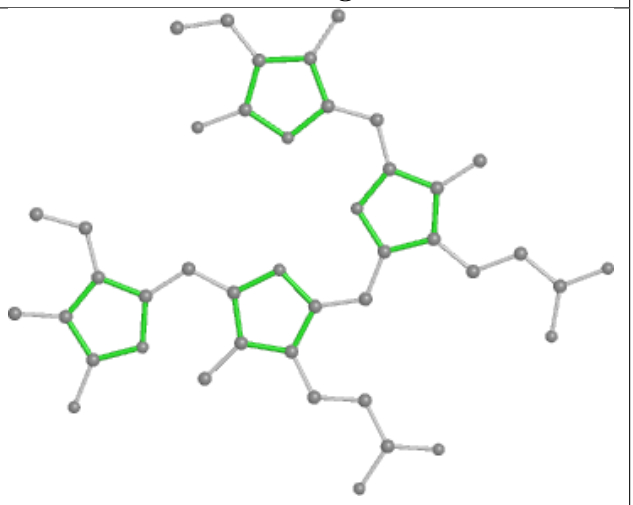
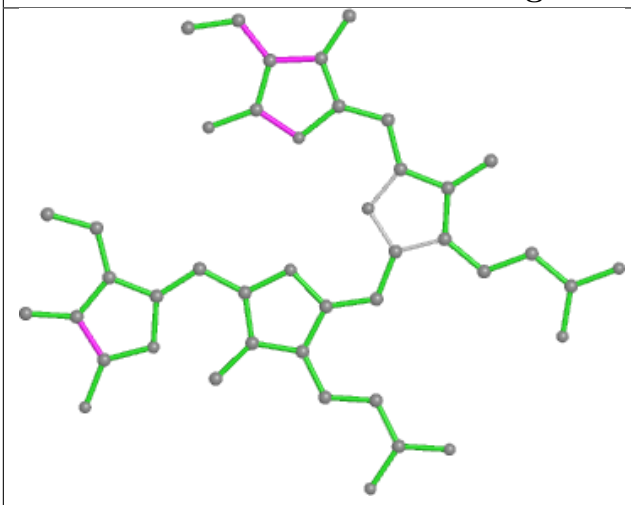


Rings

Ligand PEB ls 201



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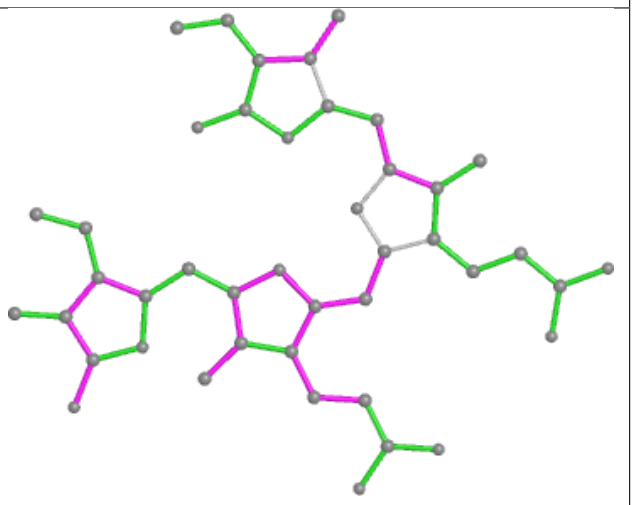

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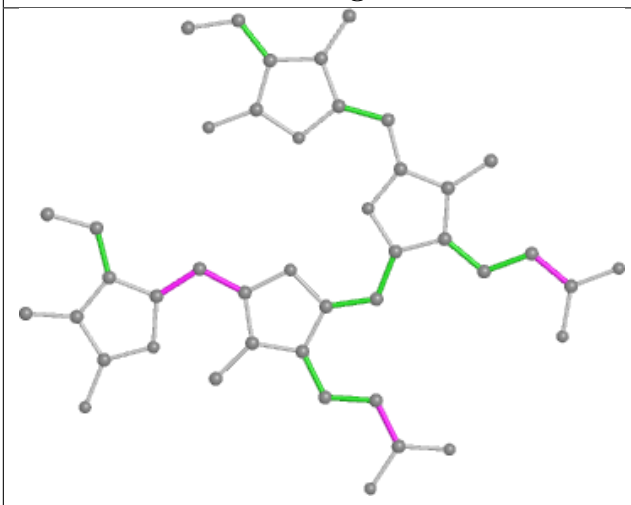

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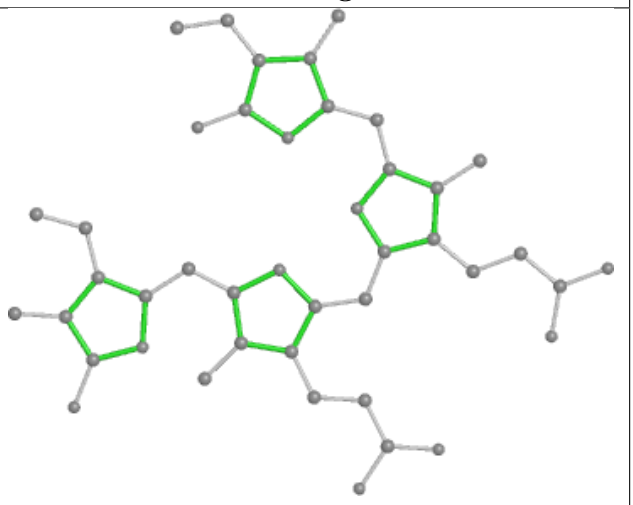

Rings

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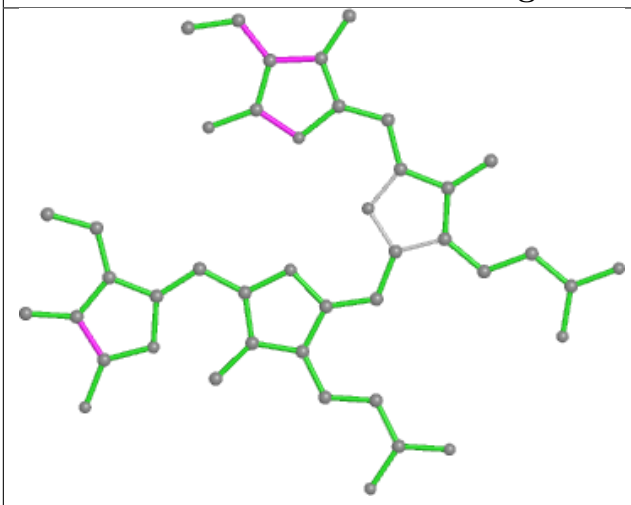

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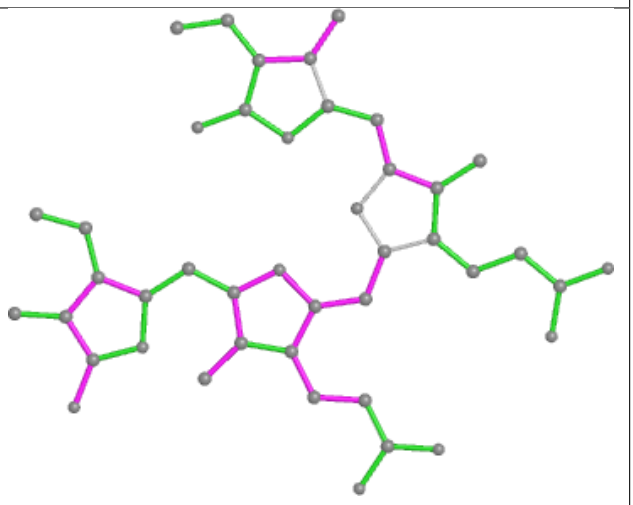

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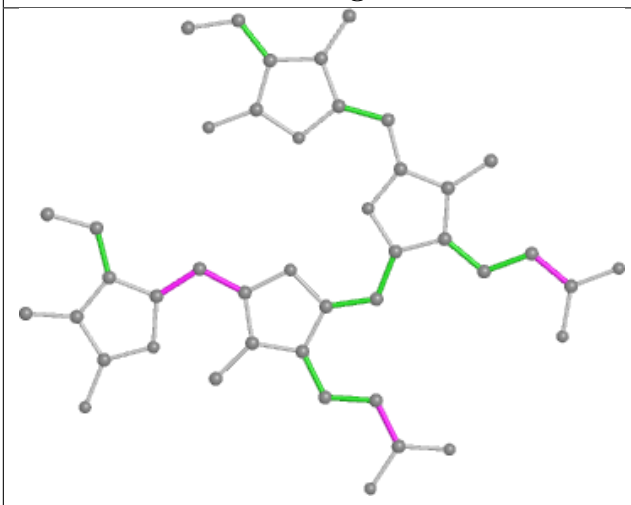

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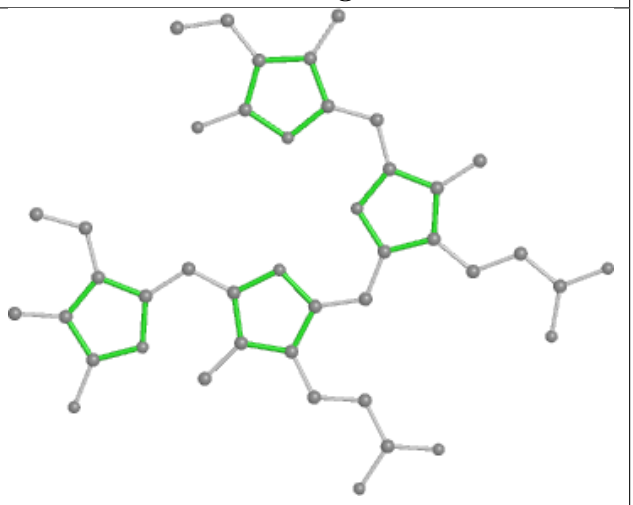

Rings

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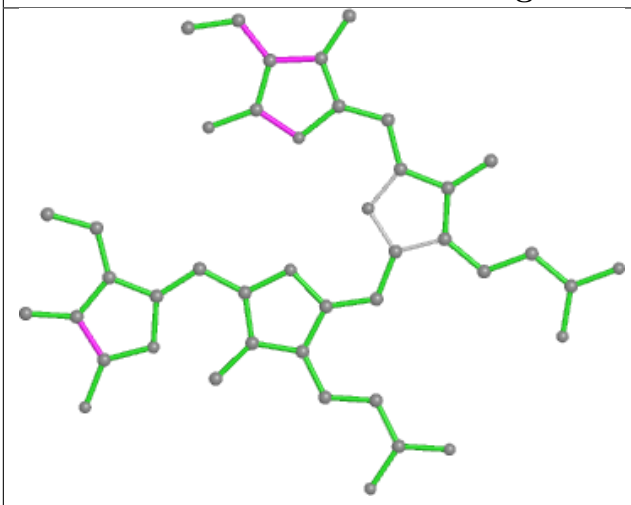

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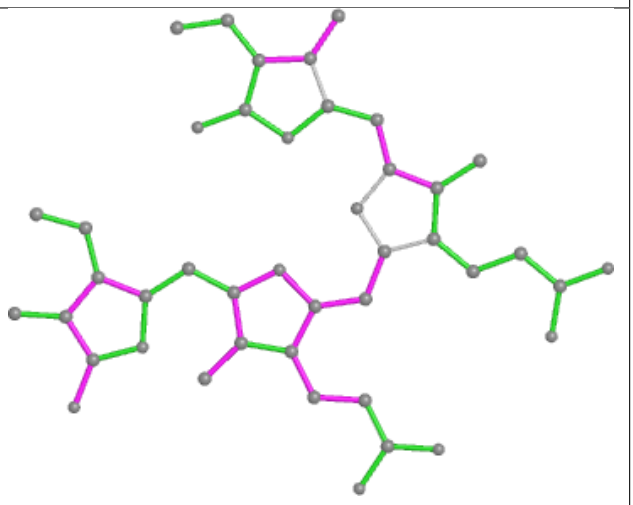

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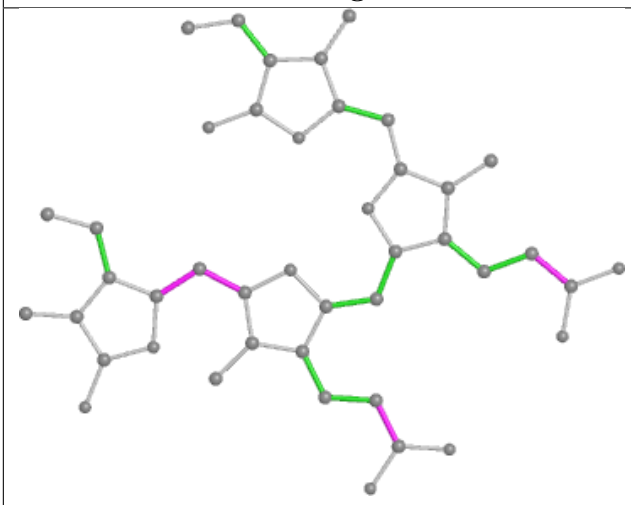

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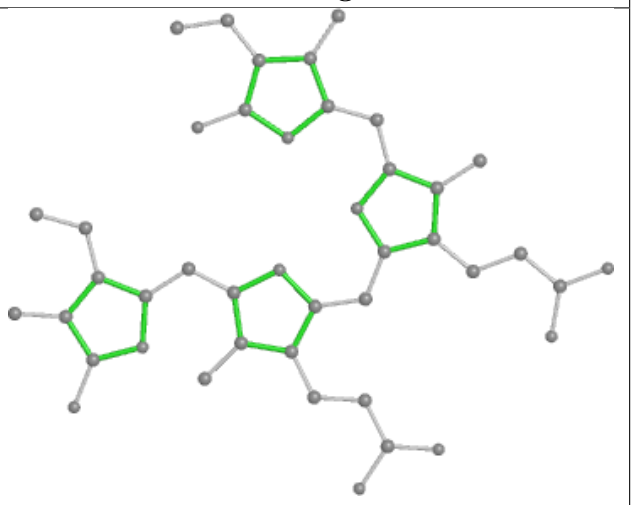
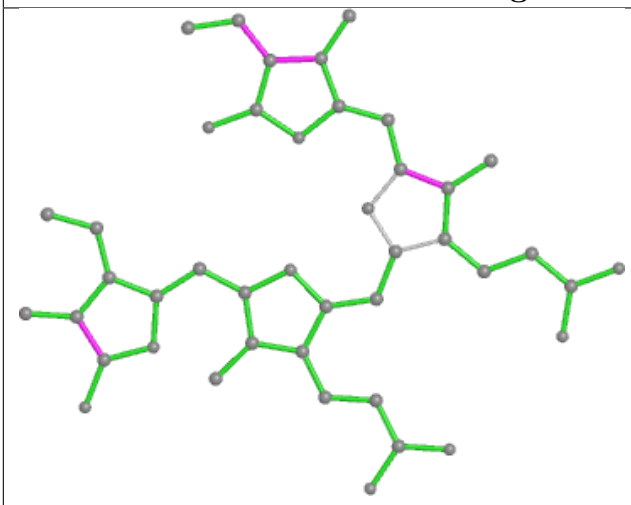


Rings

Ligand PEB da 1002



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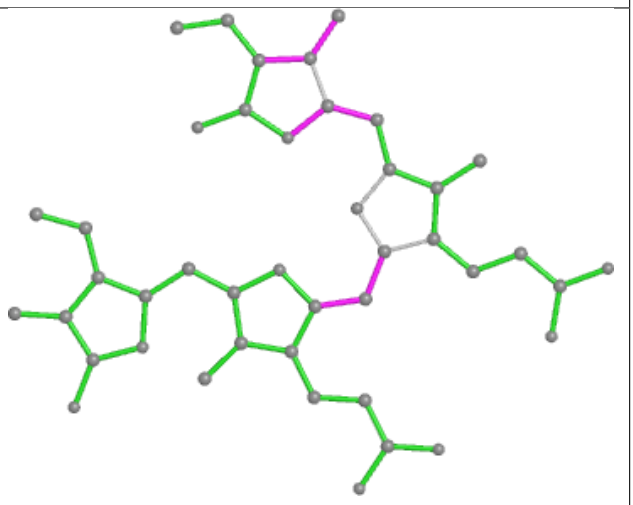

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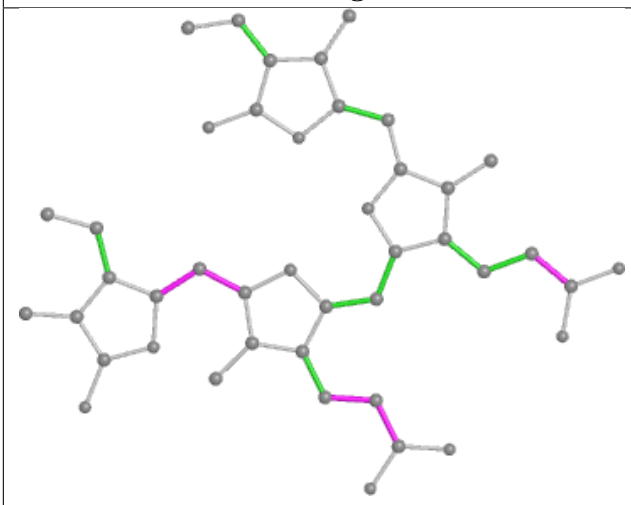

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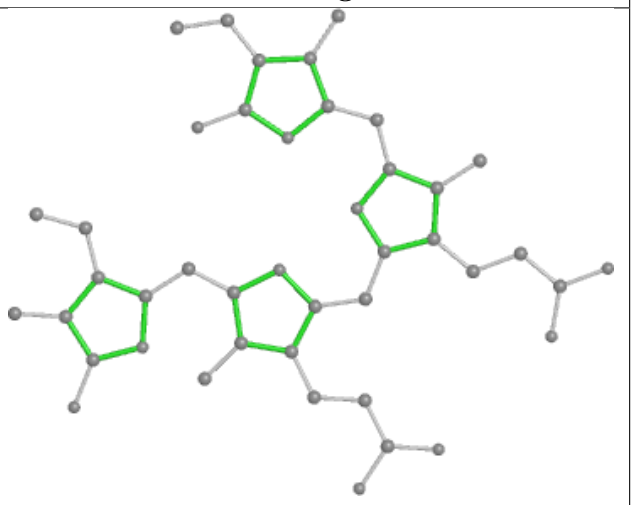

Rings

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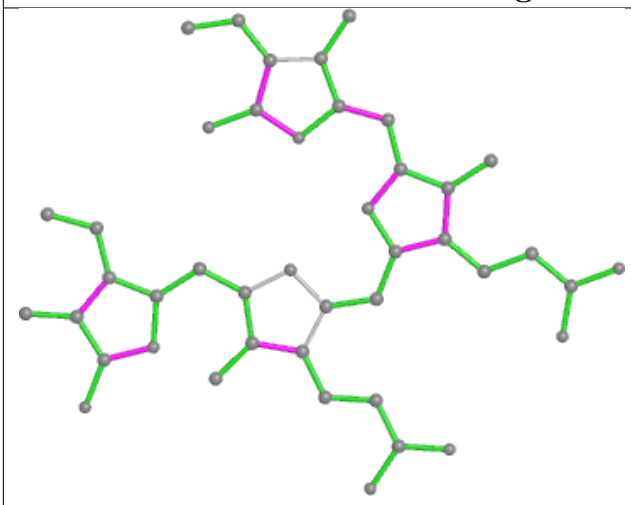

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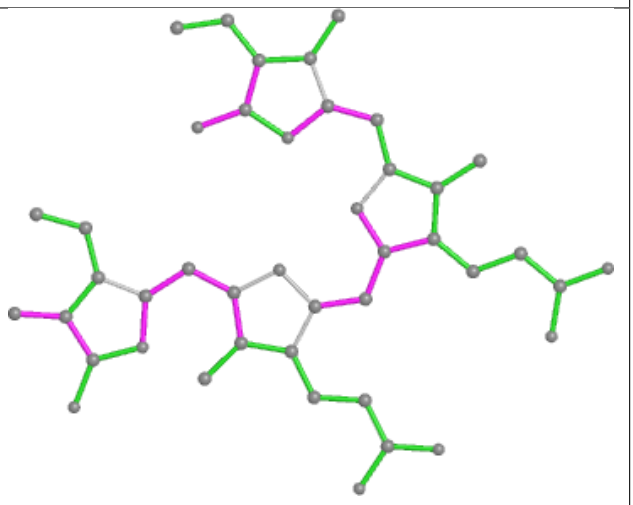

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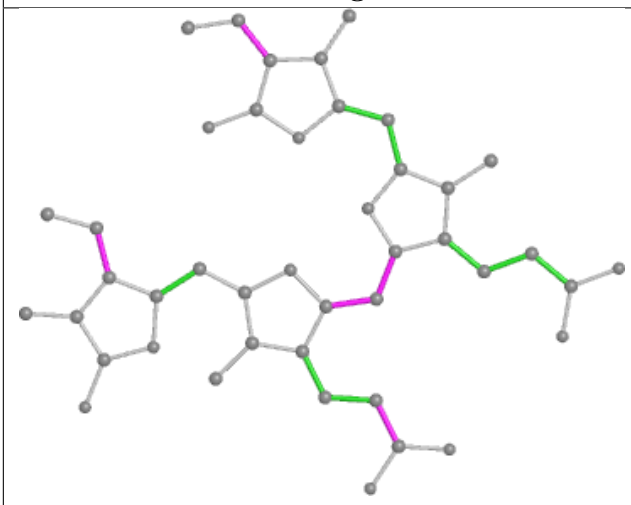

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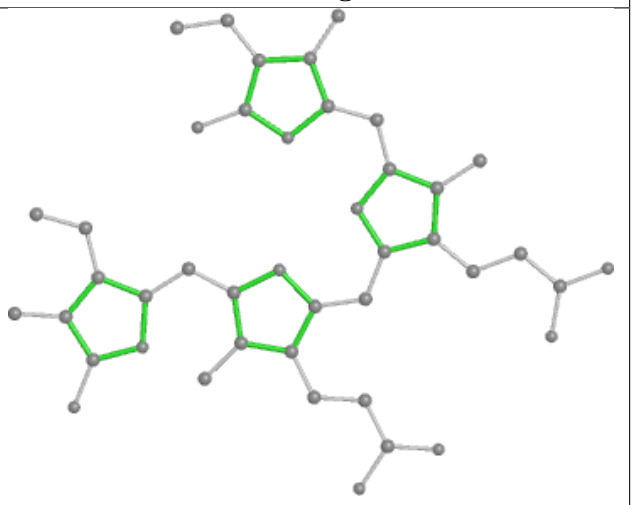
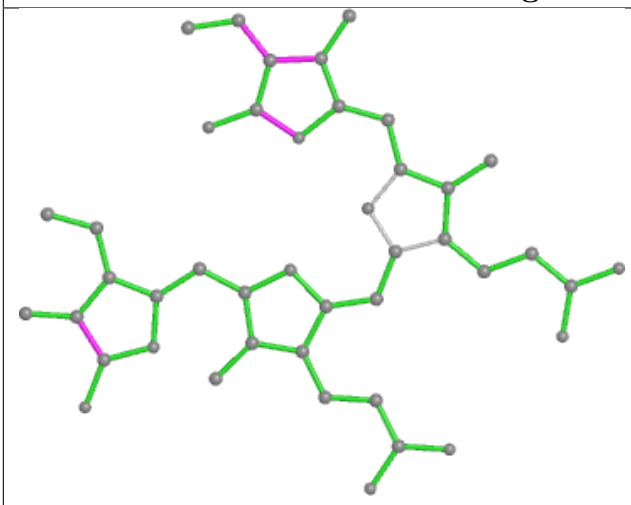


Rings

Ligand PEB s9 201



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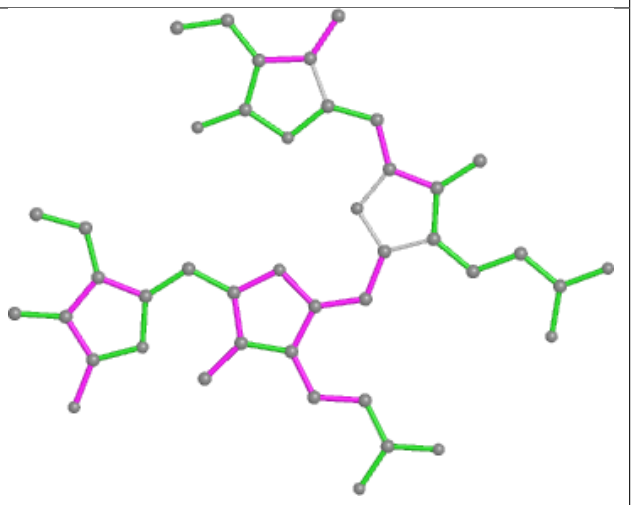

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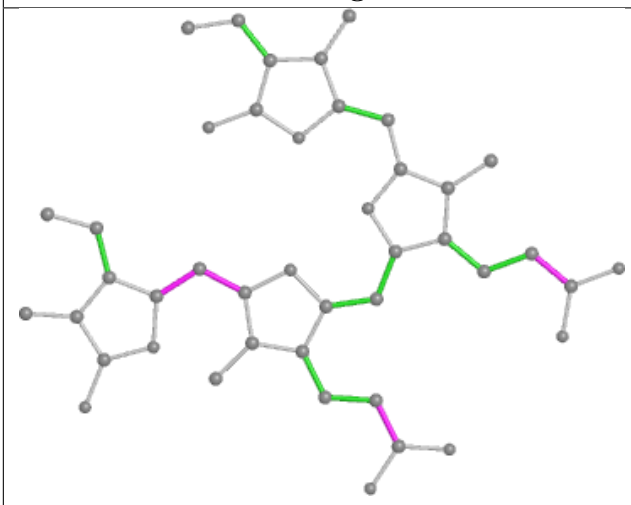

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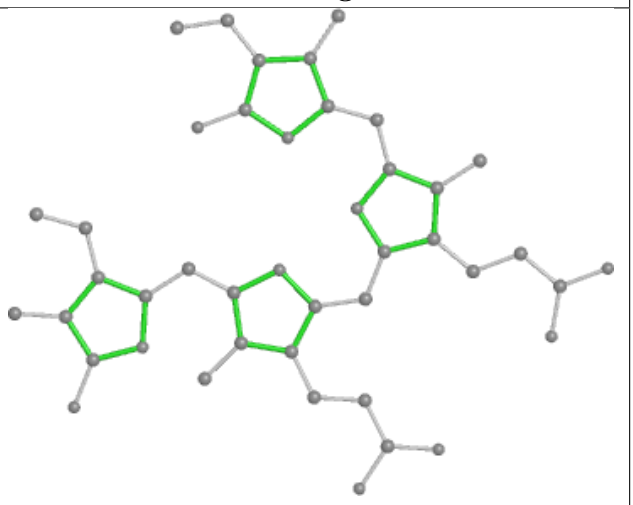

Rings

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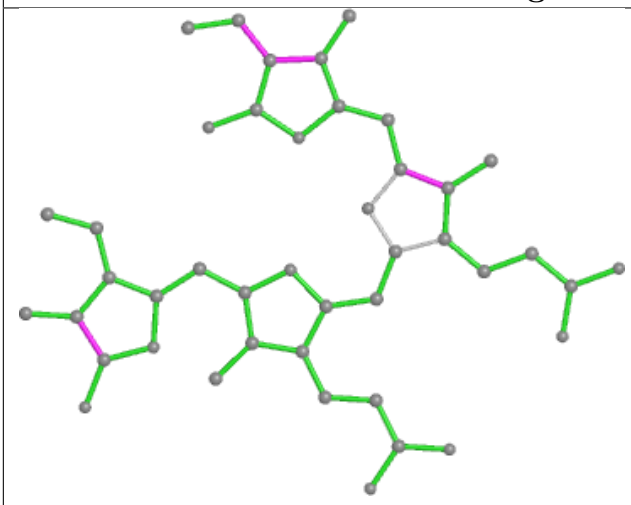

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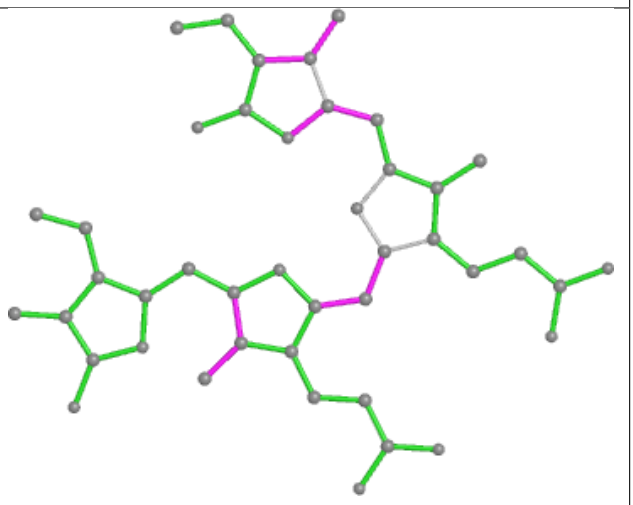
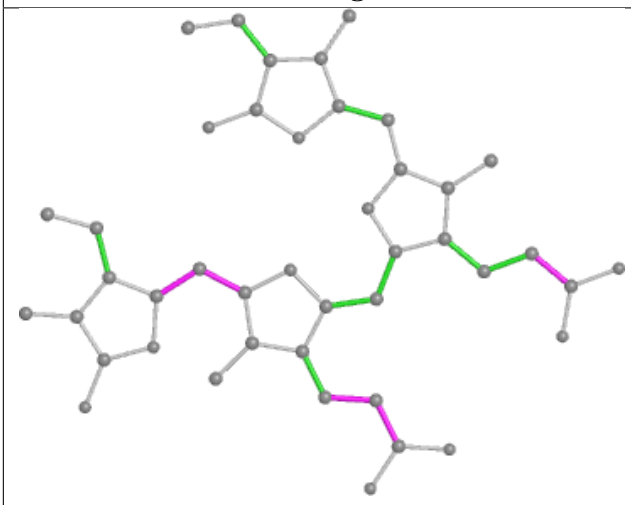


Bond angles



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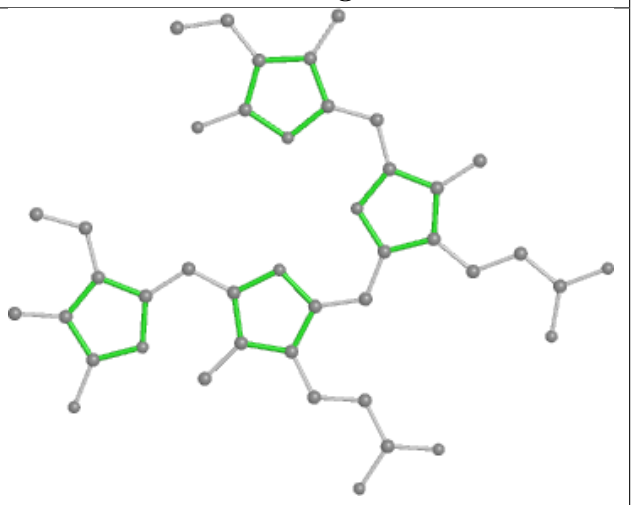
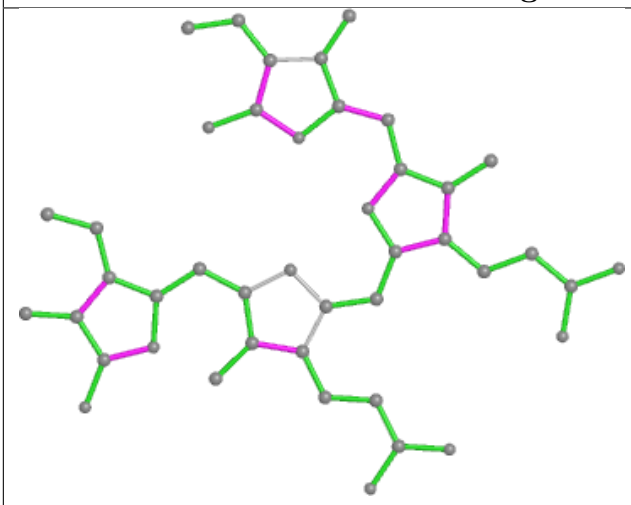


Rings

Ligand PUB df 203



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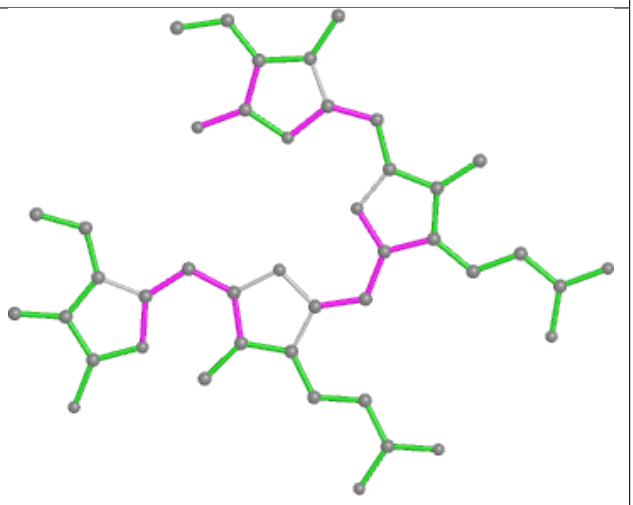
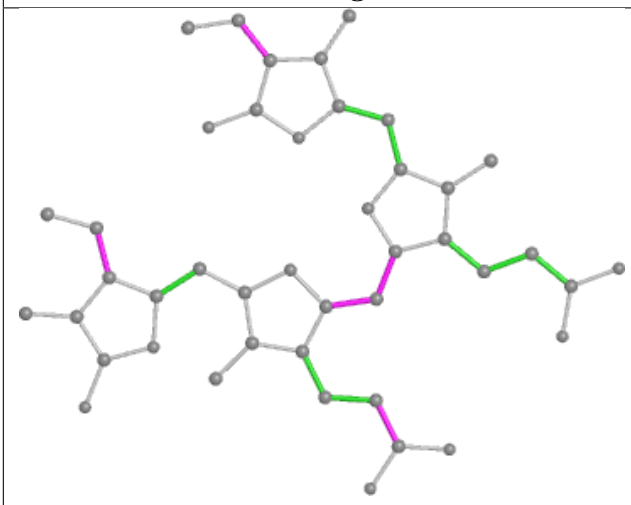


Bond angles



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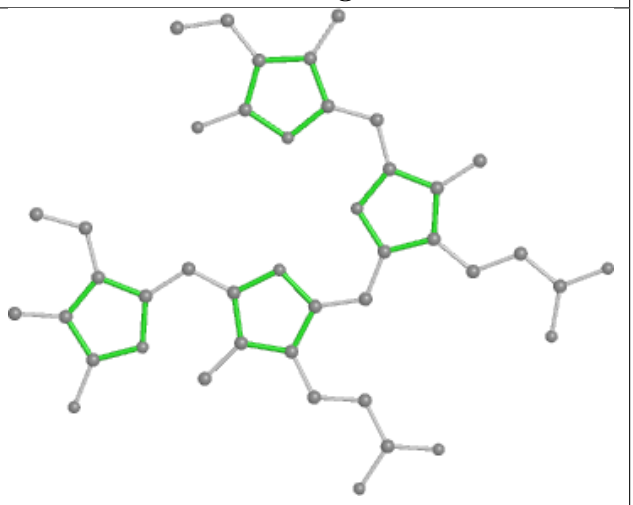
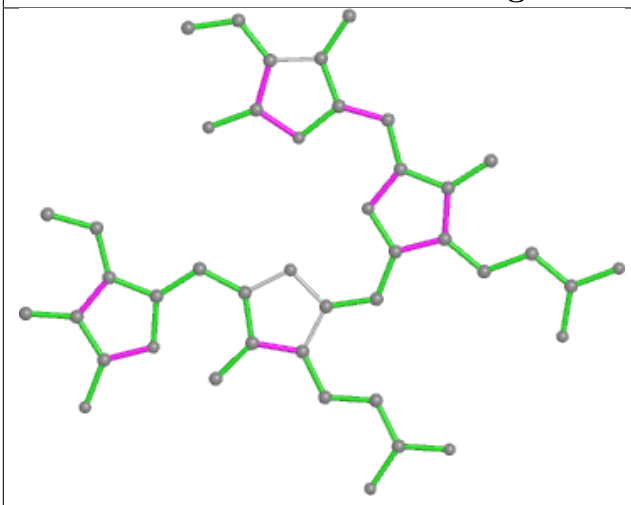


Rings

Ligand PUB iG 1002



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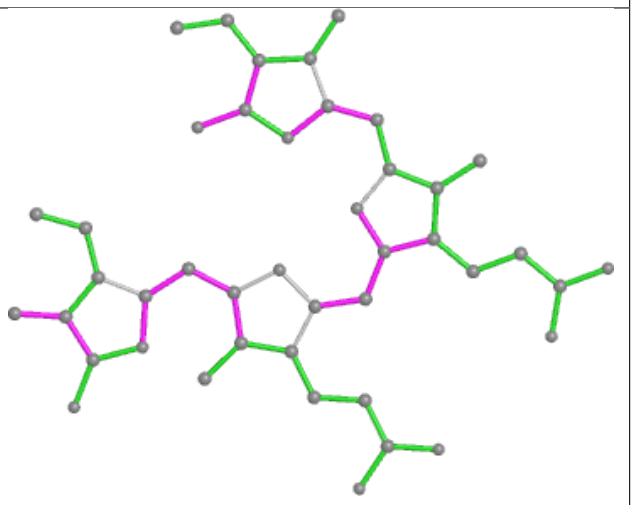

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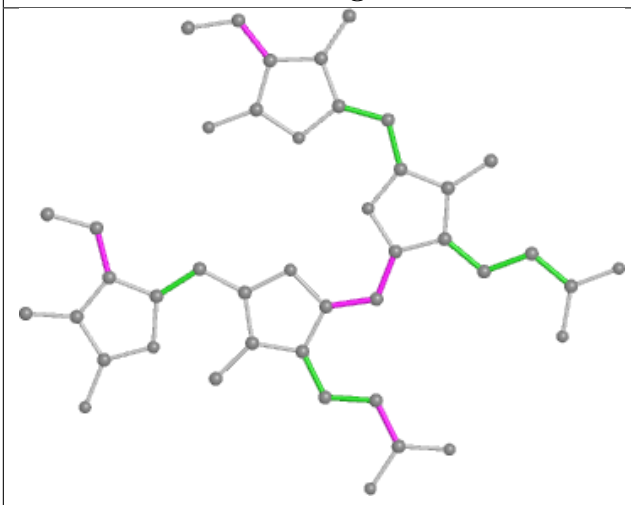

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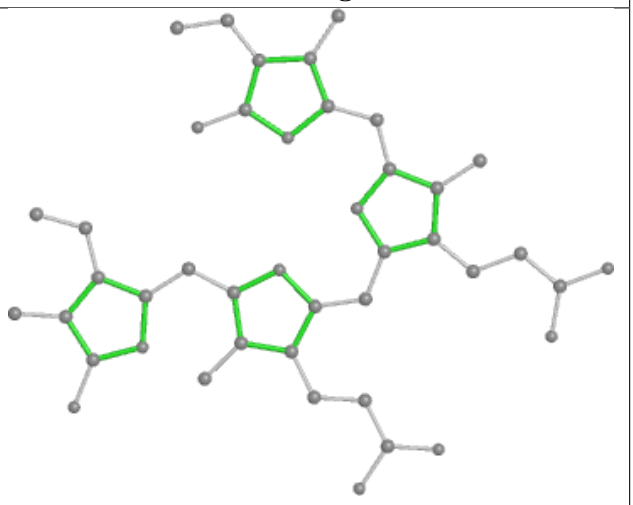
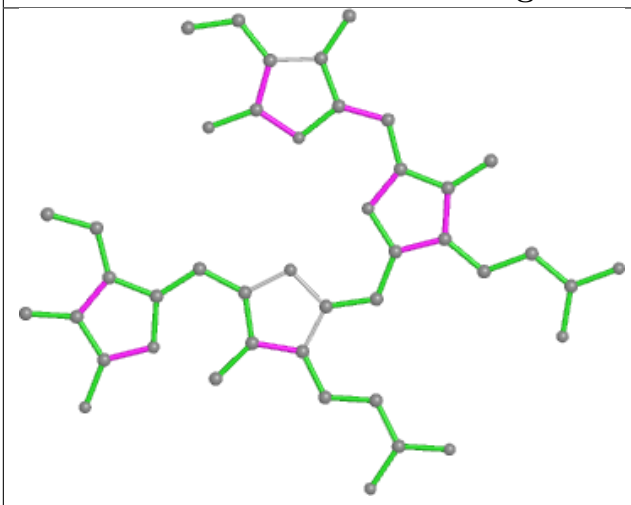
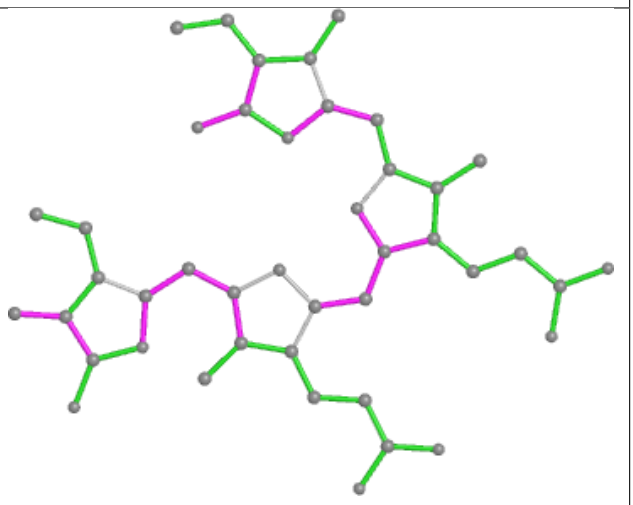


Rings

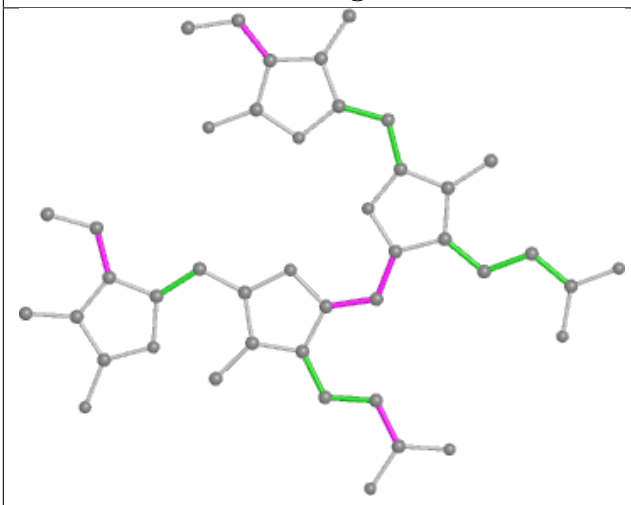
Ligand PUB n4 203



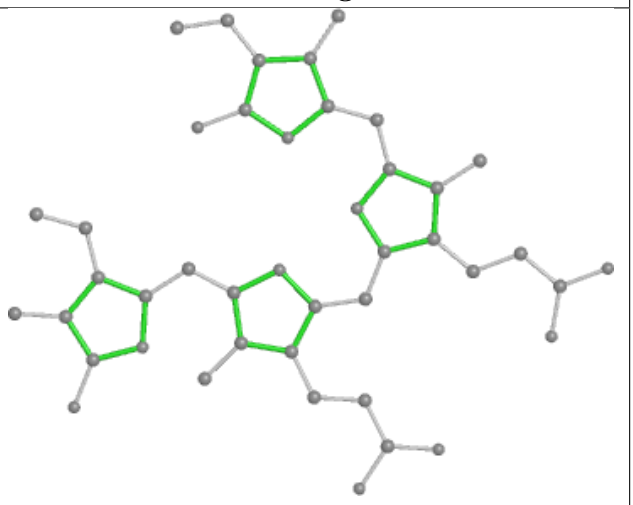
Bond lengths



Bond angles

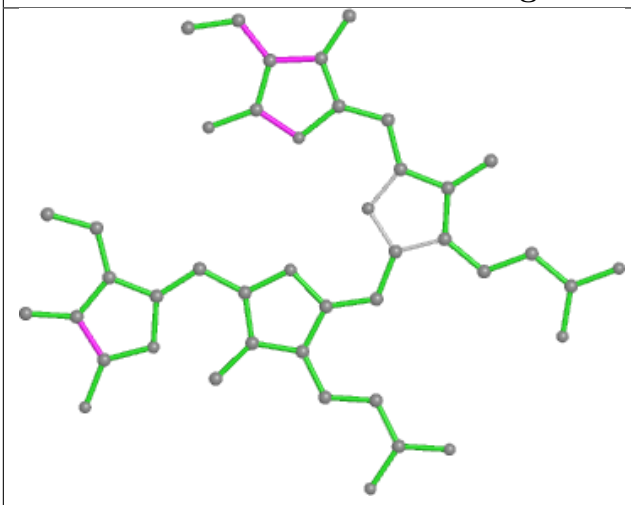


Torsions



Rings

Ligand PEB g2 202



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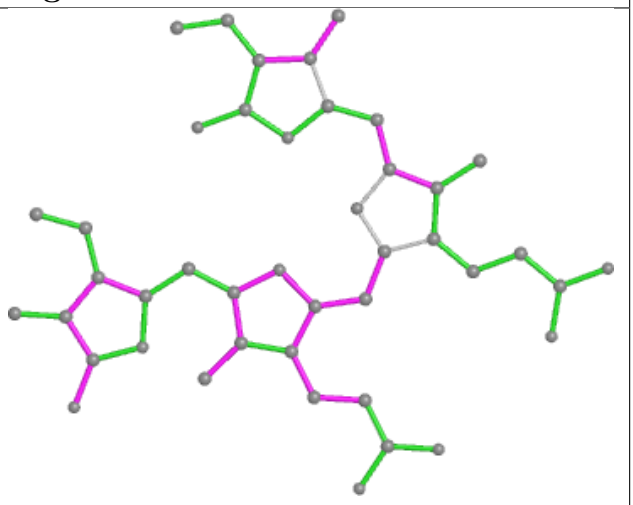

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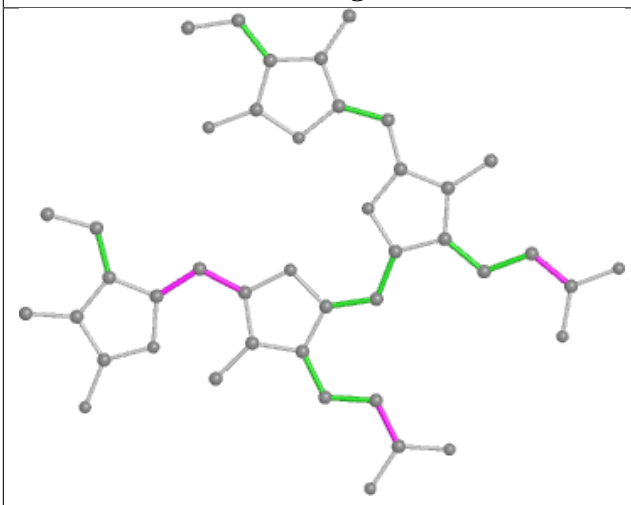

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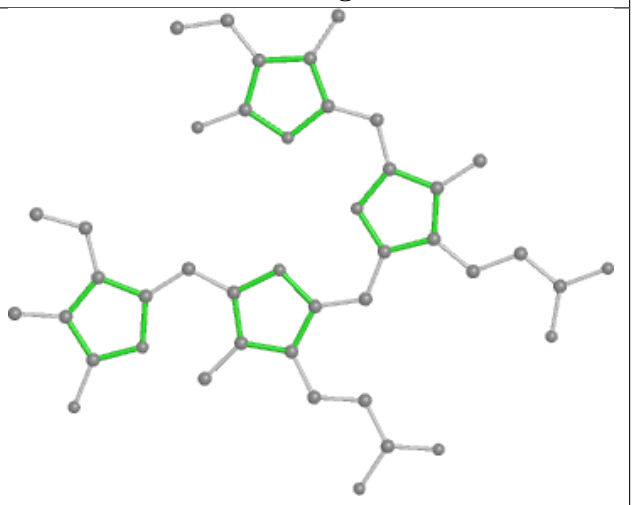

Rings

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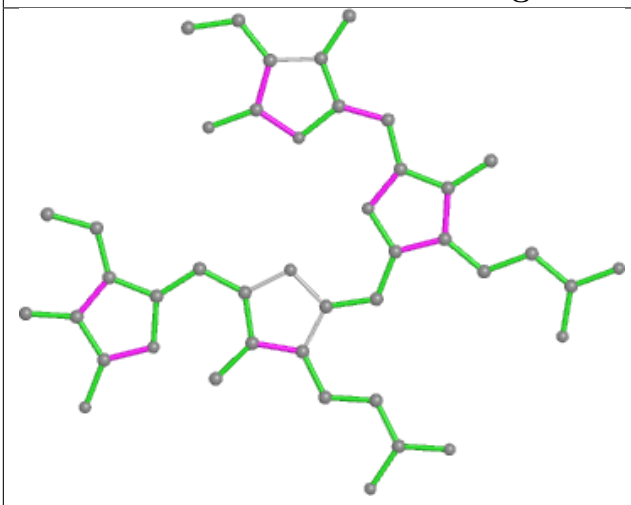

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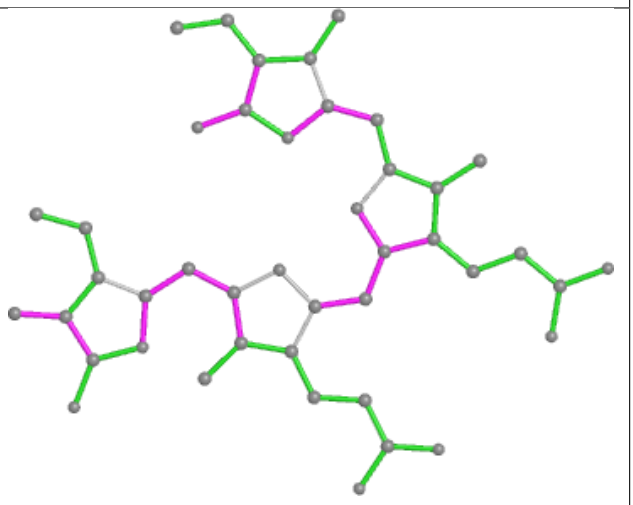

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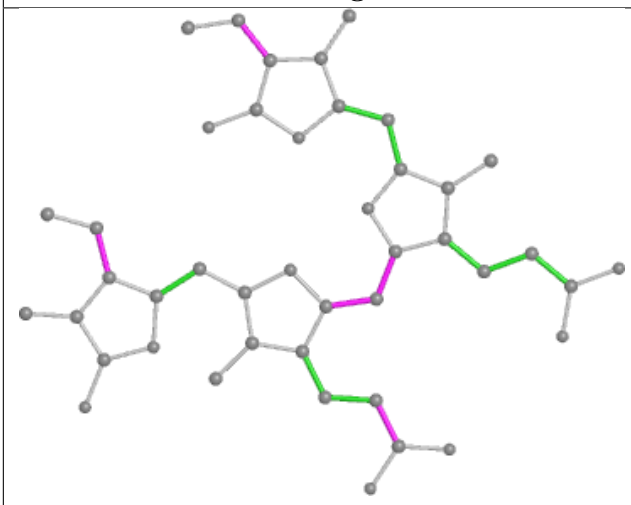

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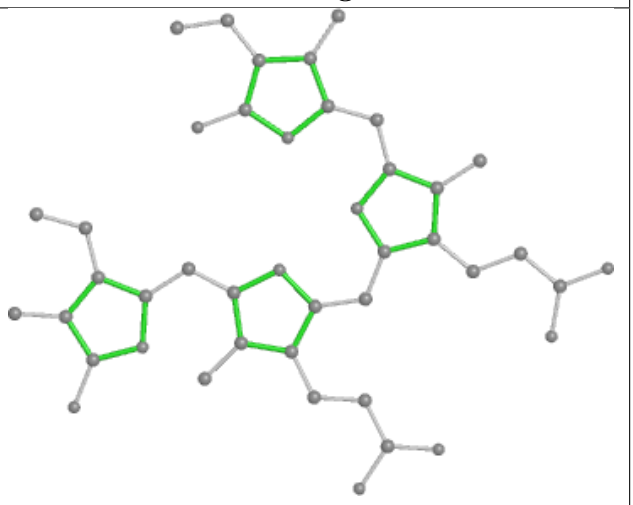
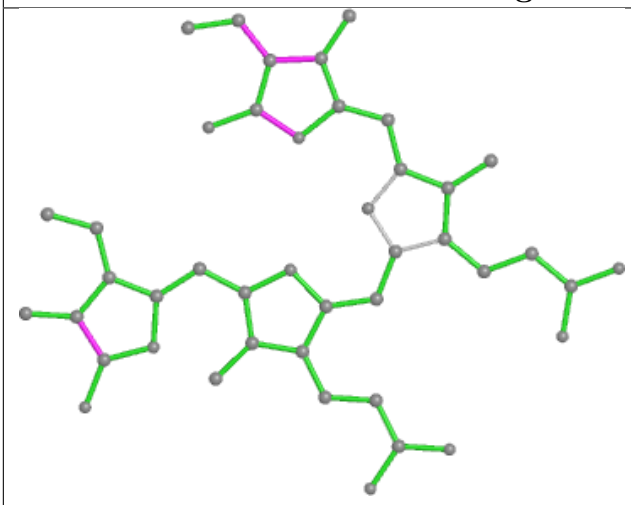


Rings

Ligand PEB aX 401



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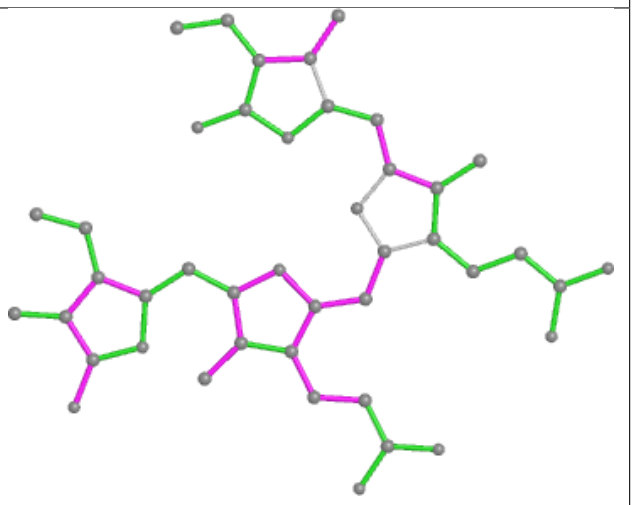

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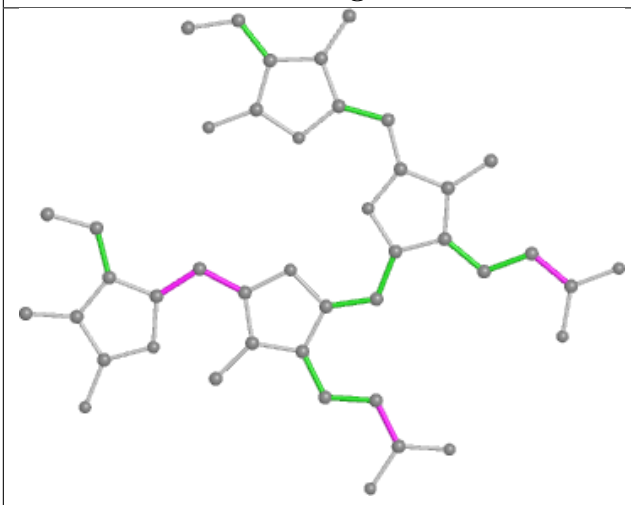

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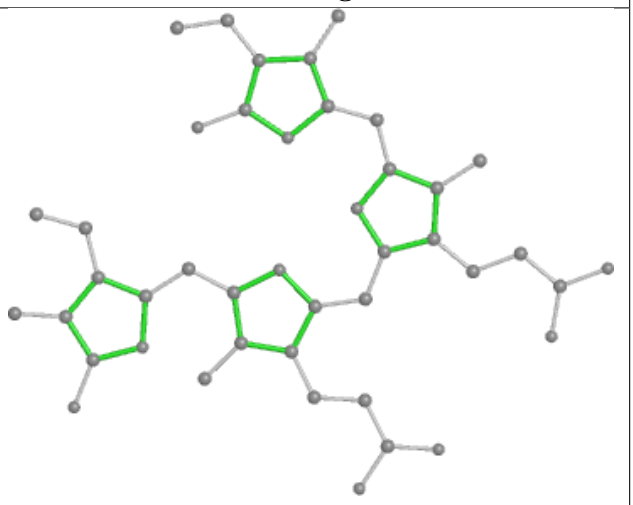

Rings

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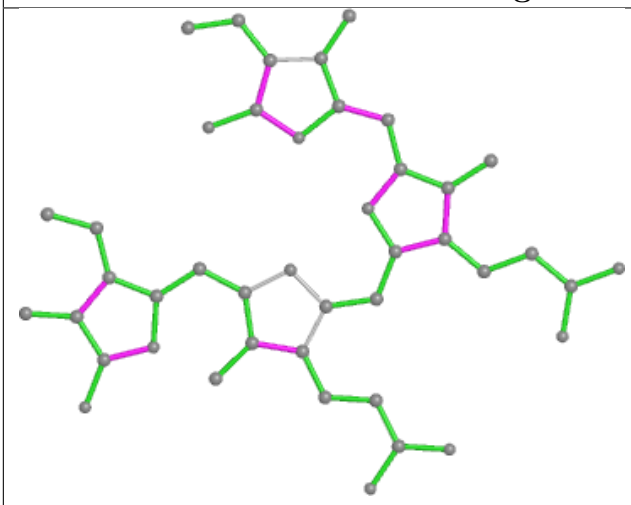

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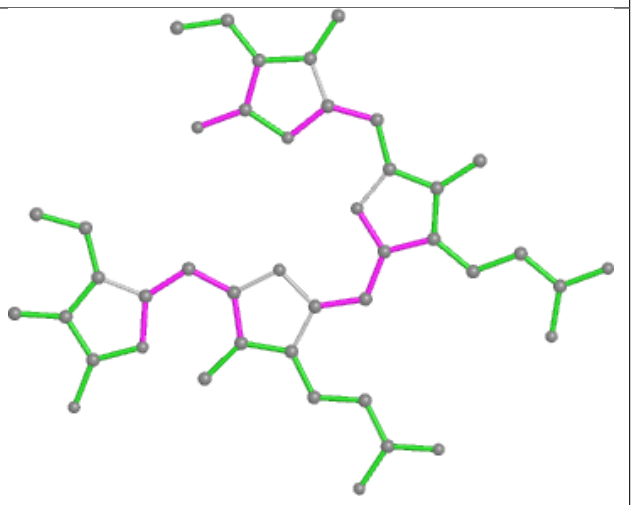

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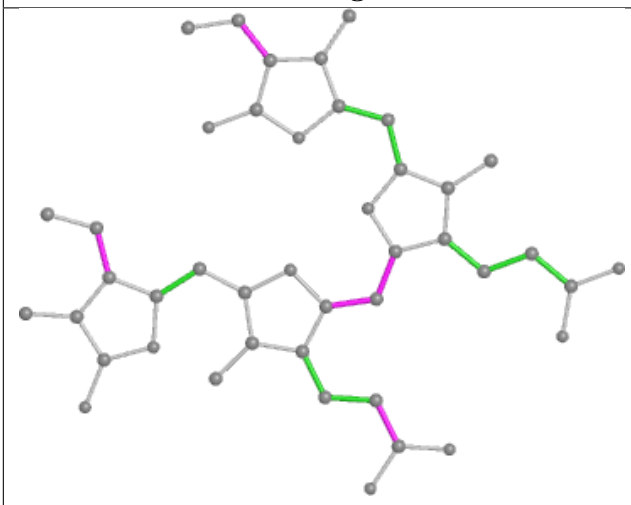

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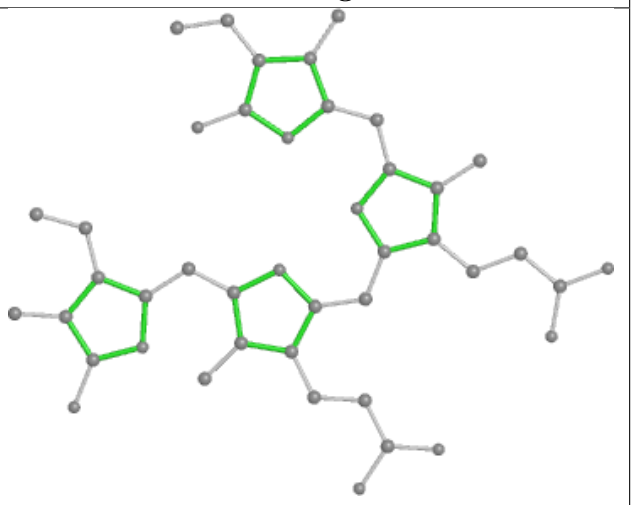

Rings

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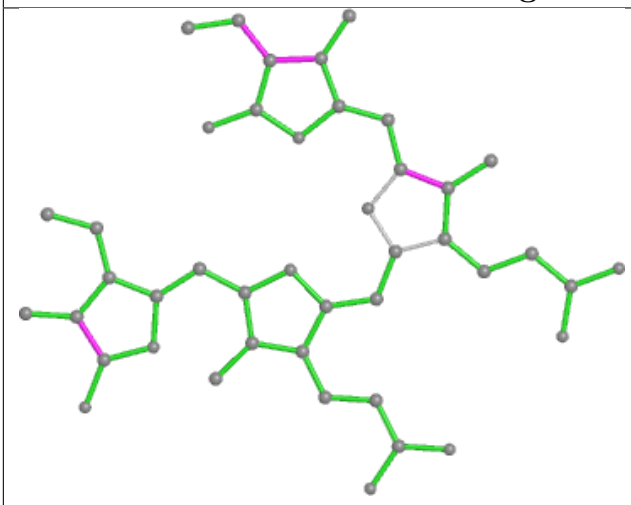

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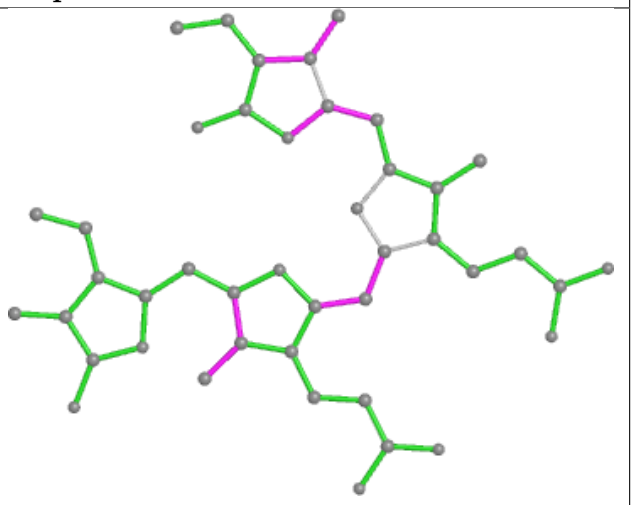

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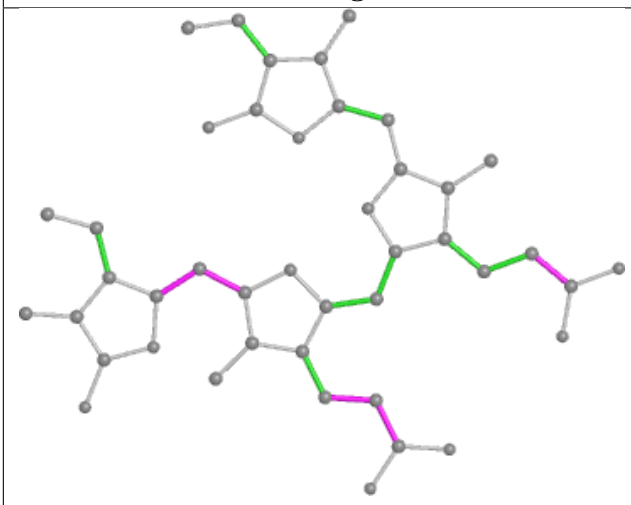

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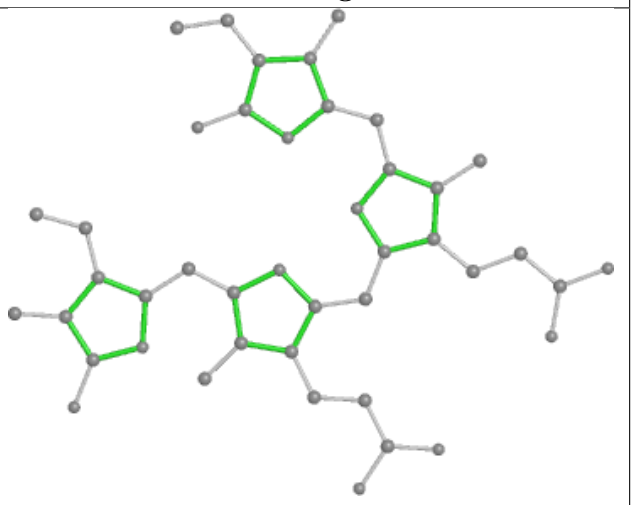

Rings

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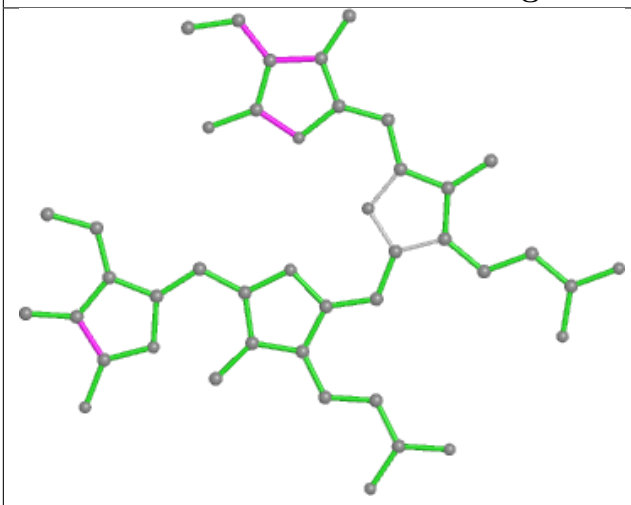

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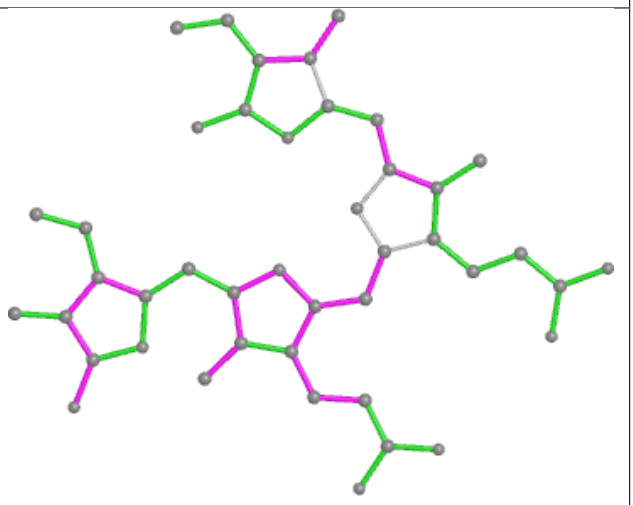

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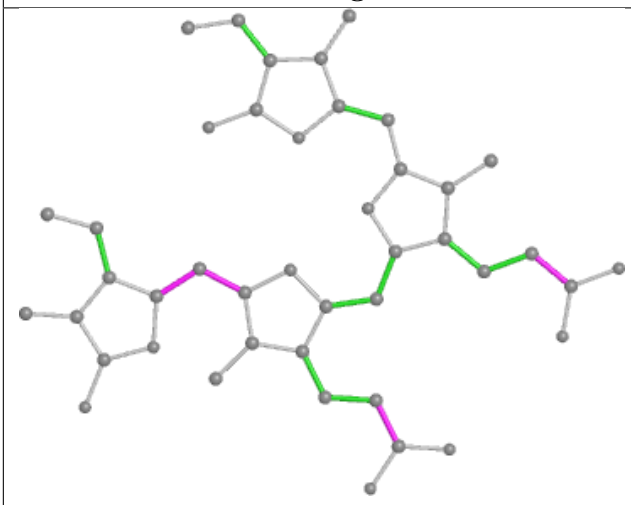

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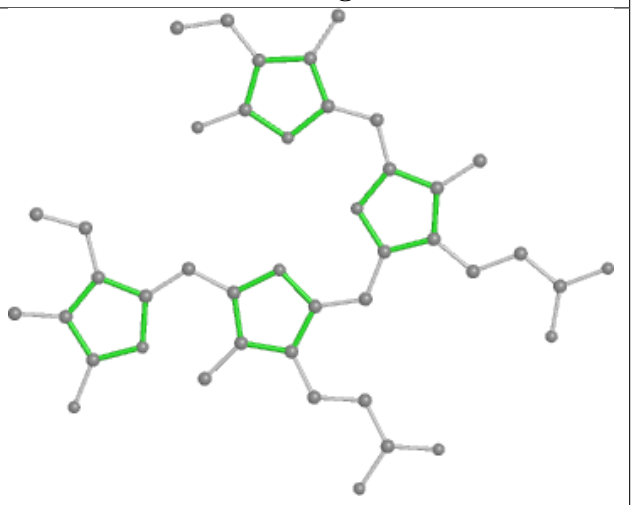

Rings

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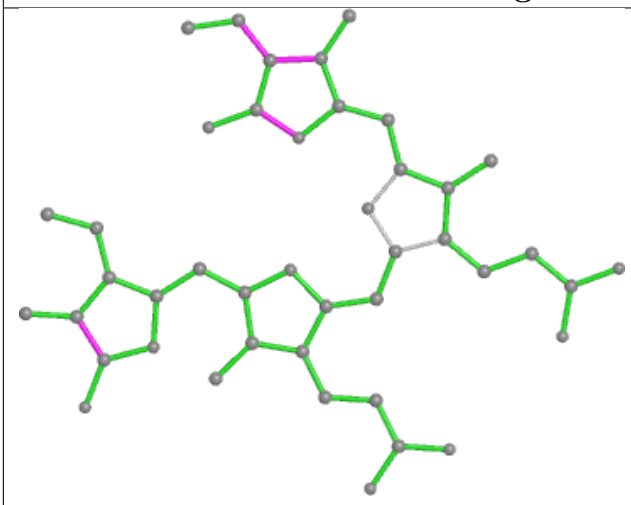

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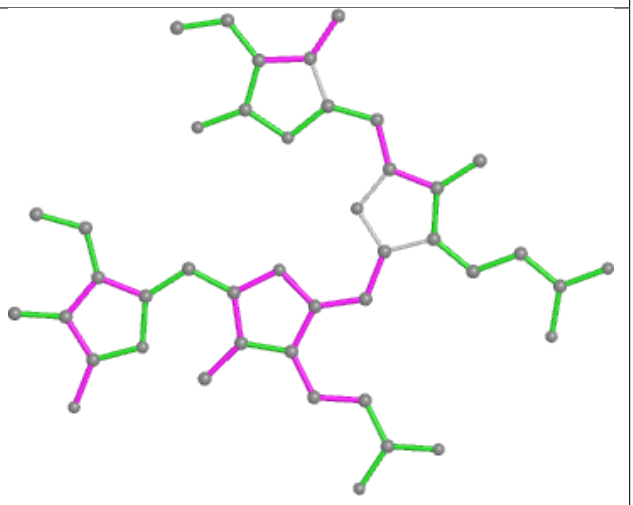

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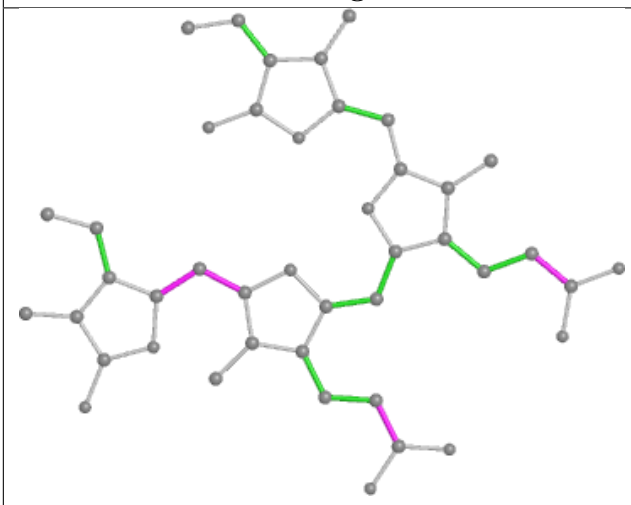

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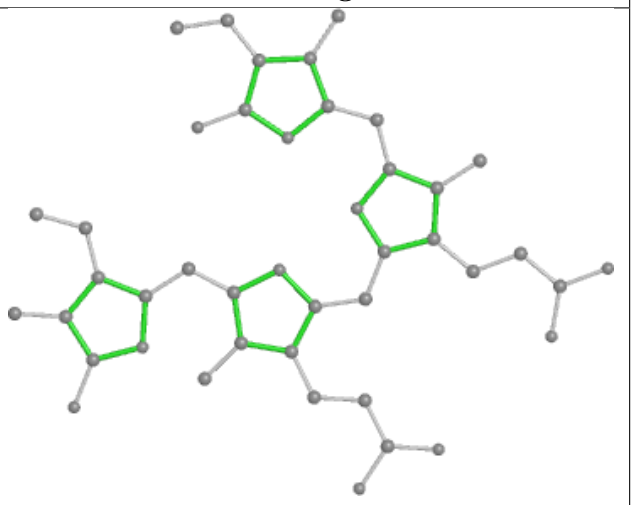

Rings

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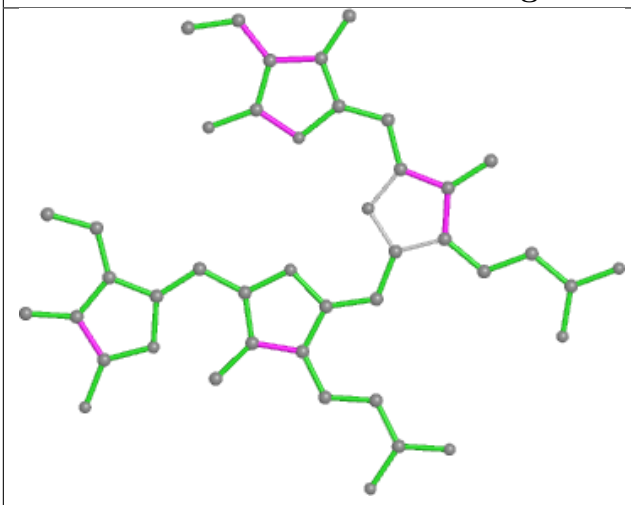

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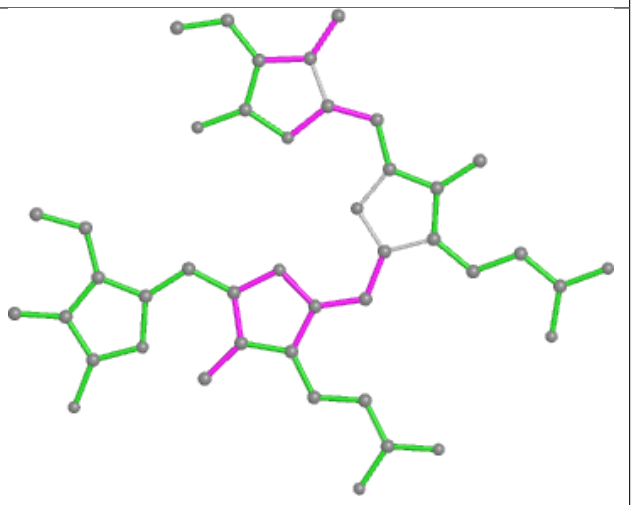

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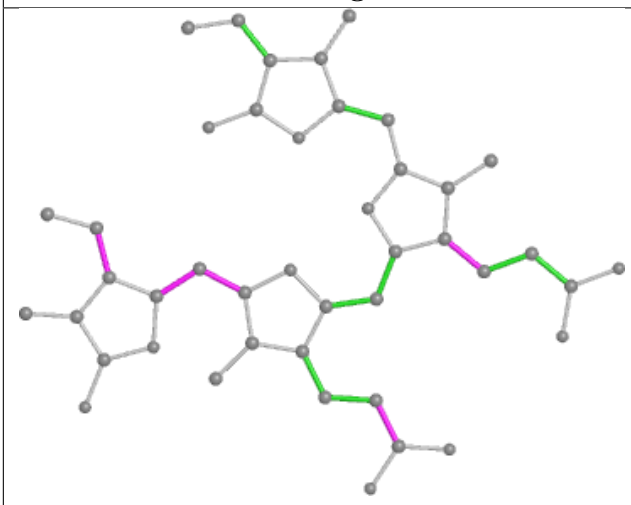

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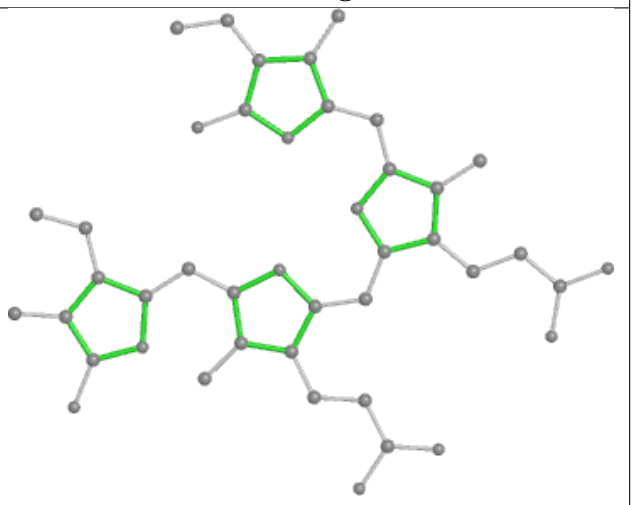

Rings

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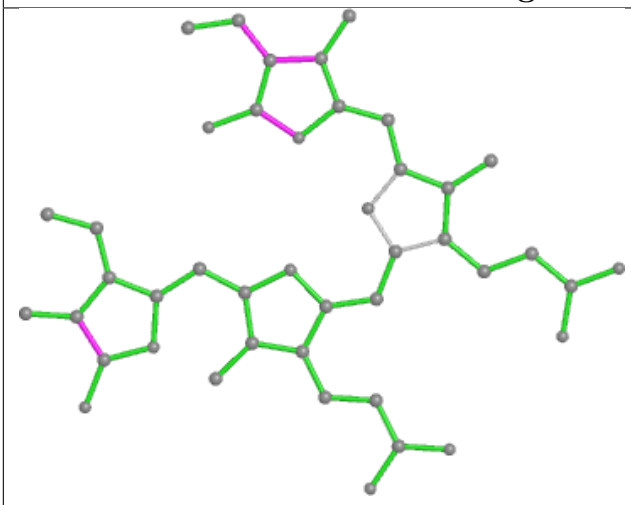

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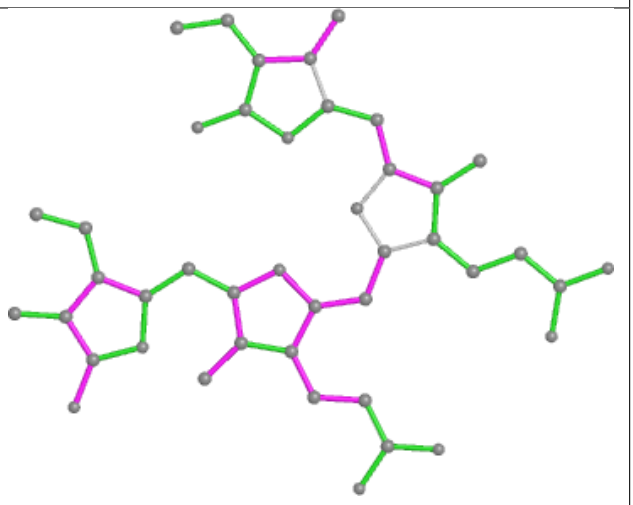

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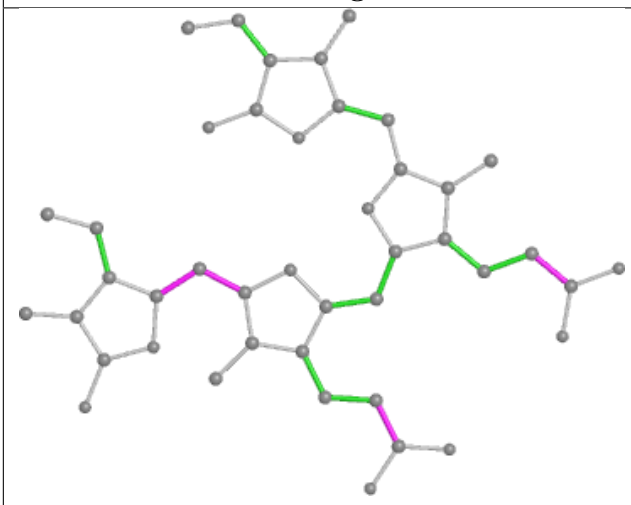

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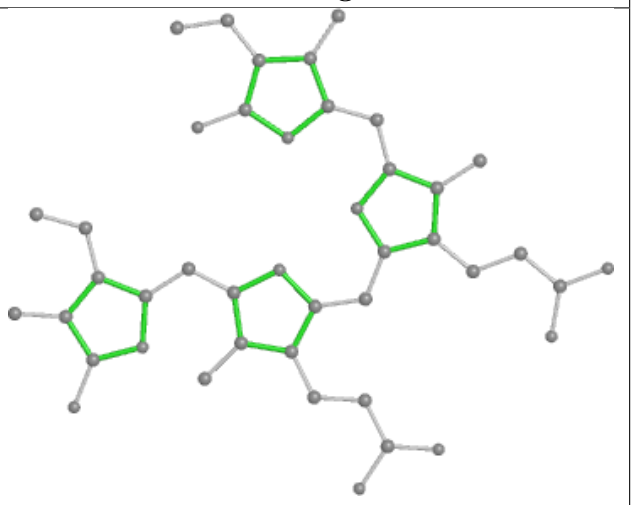

Rings

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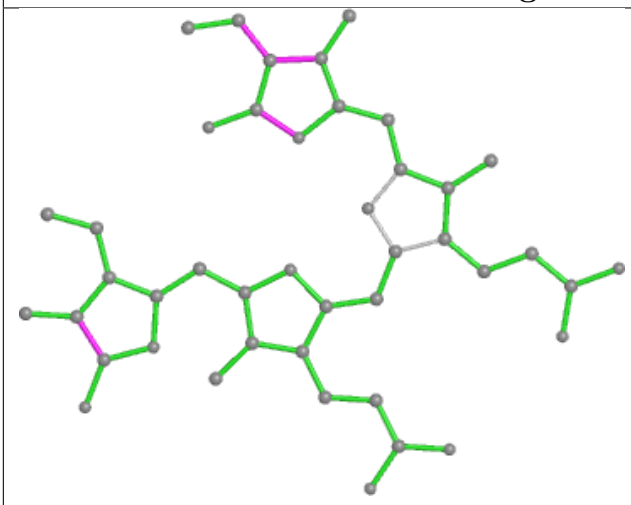

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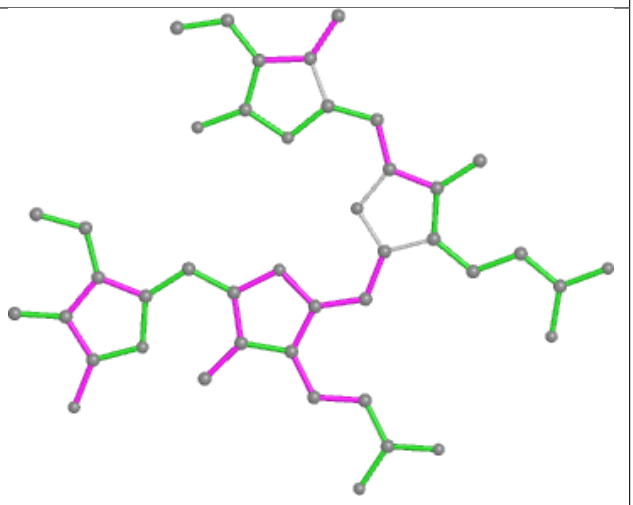

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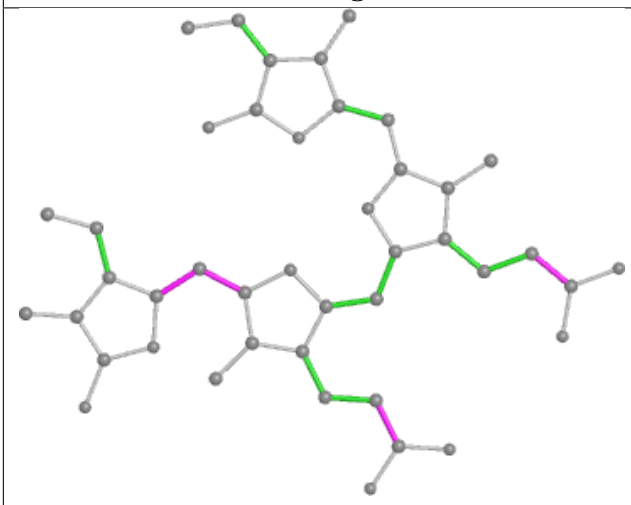

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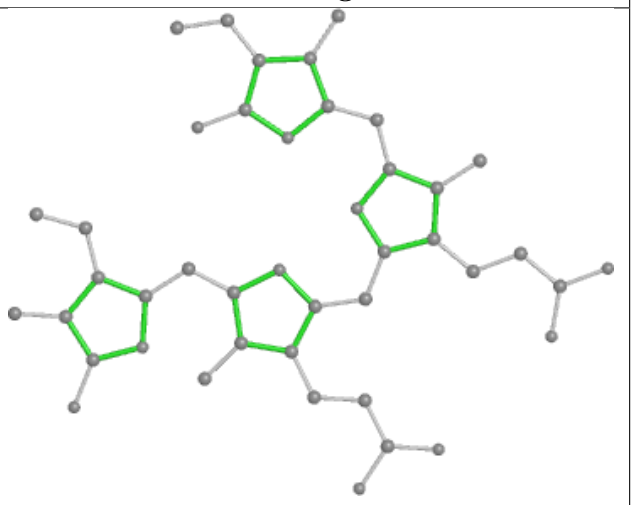

Rings

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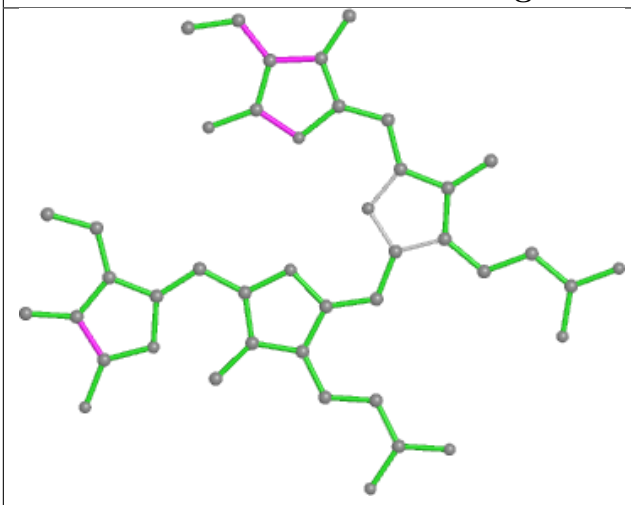

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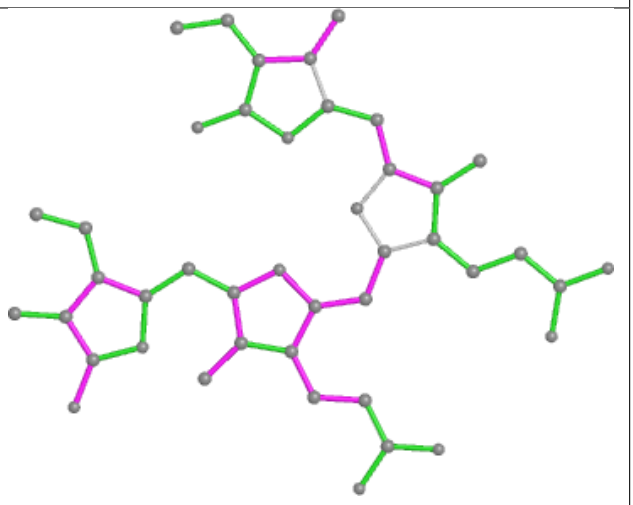
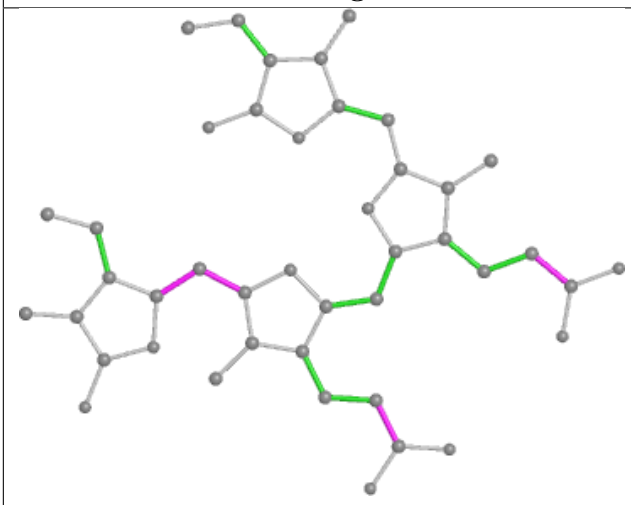


Bond angles



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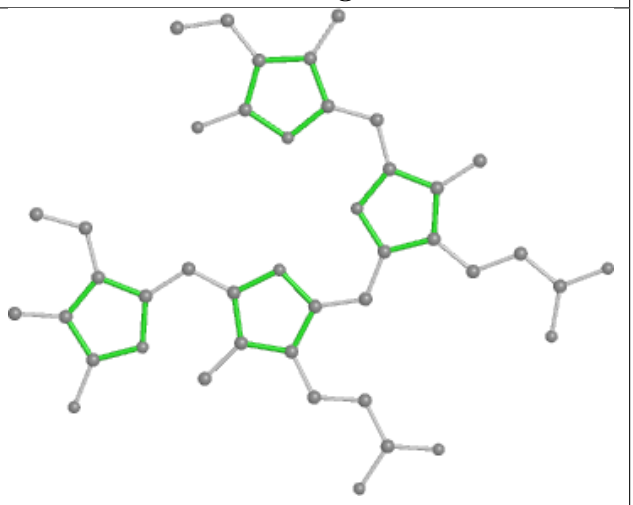
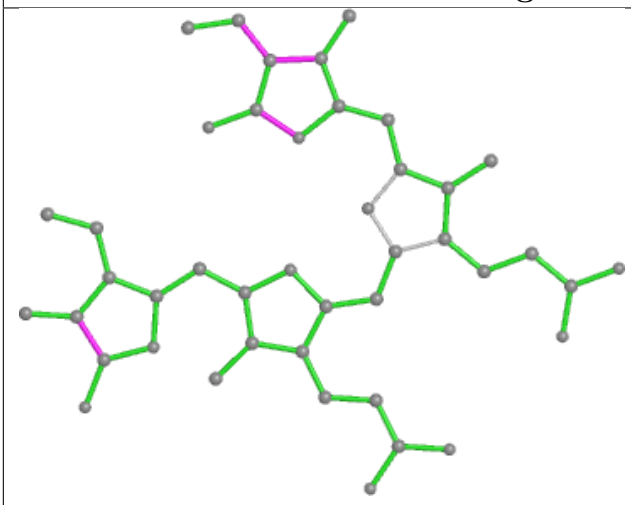


Rings

Ligand PEB cO 201



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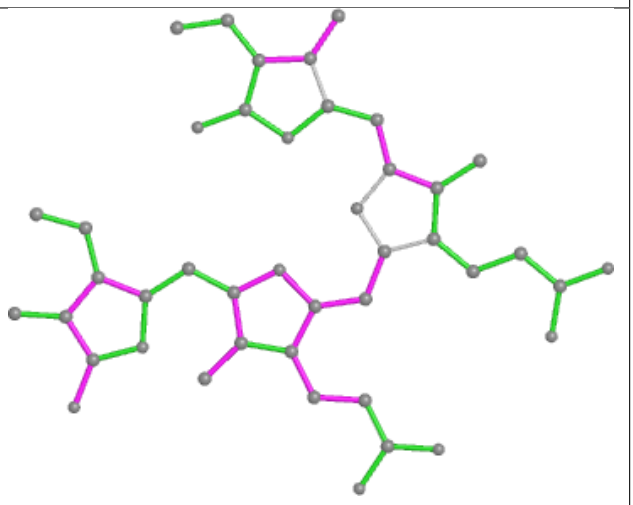
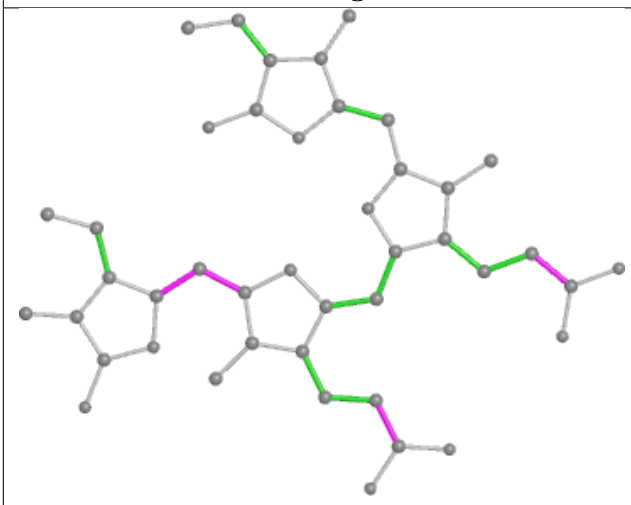


Bond angles



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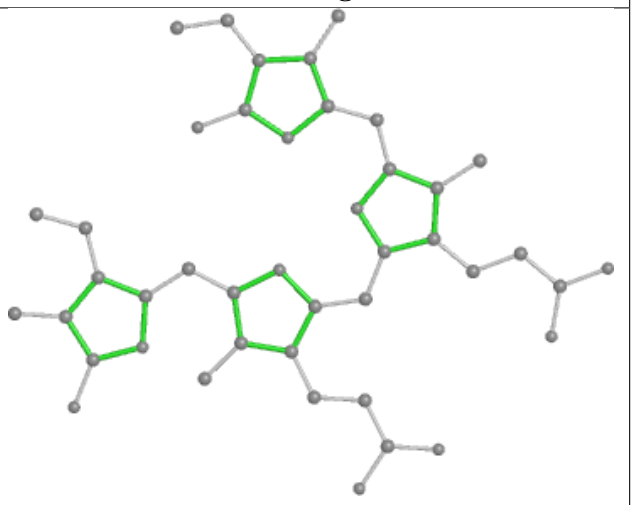
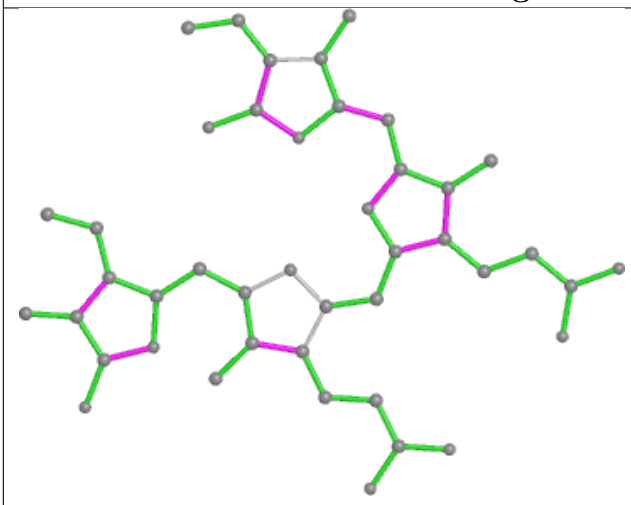


Rings

Ligand PUB hY 405



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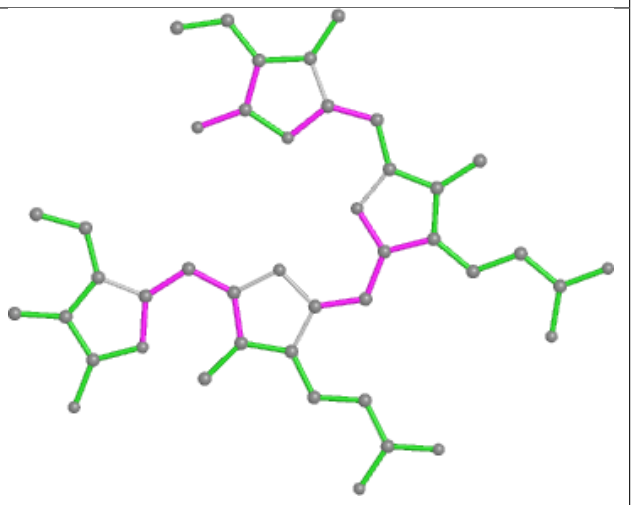
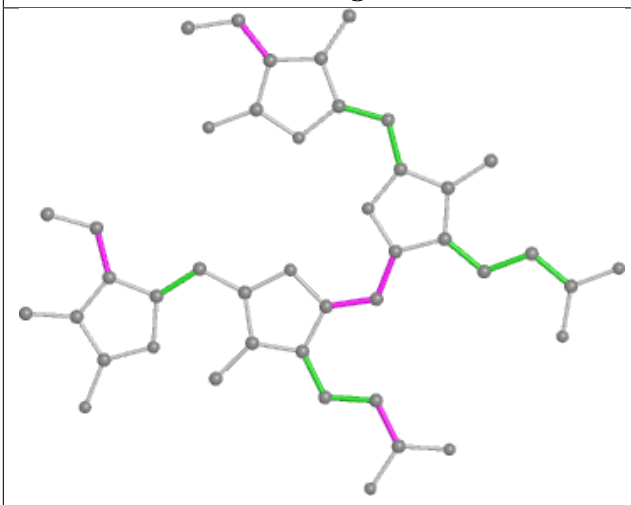
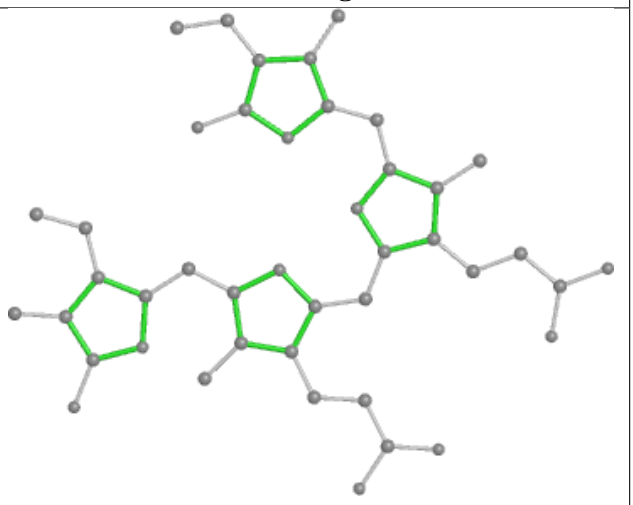


Bond angles

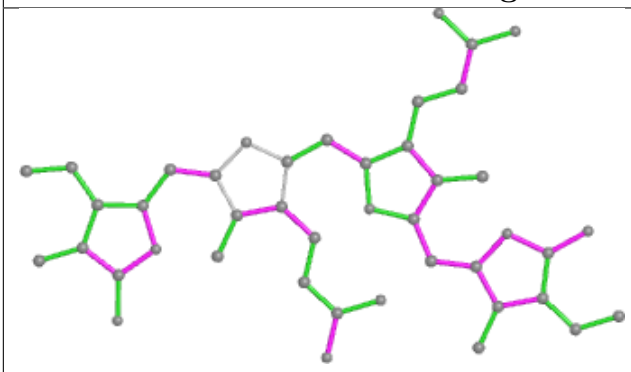


Torsions



Rings

Ligand CYC M1 1001



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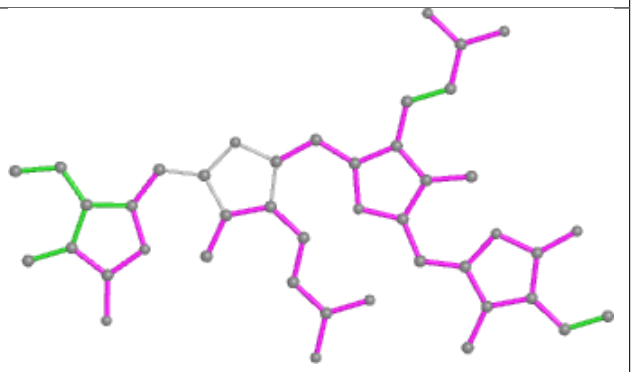

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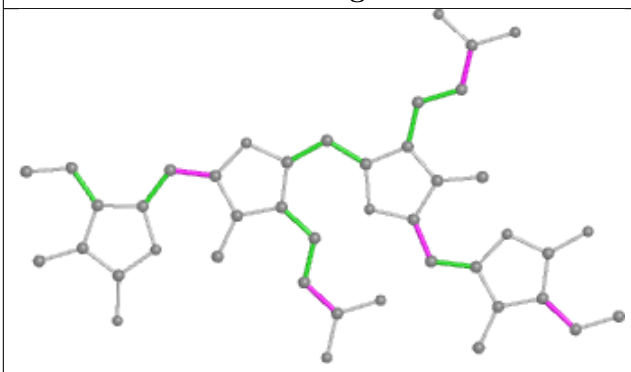

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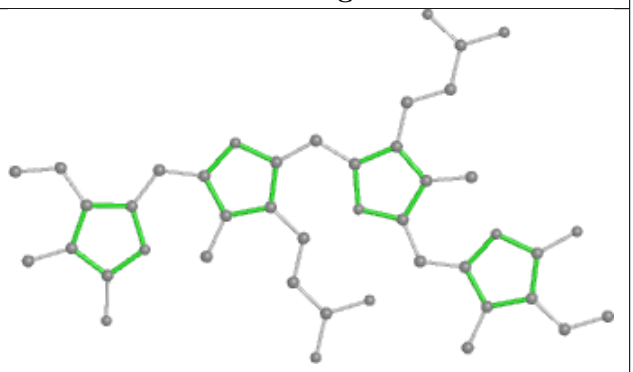

Rings

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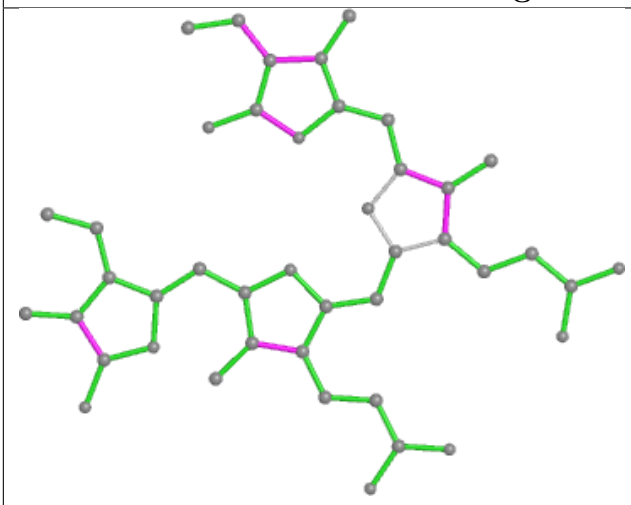

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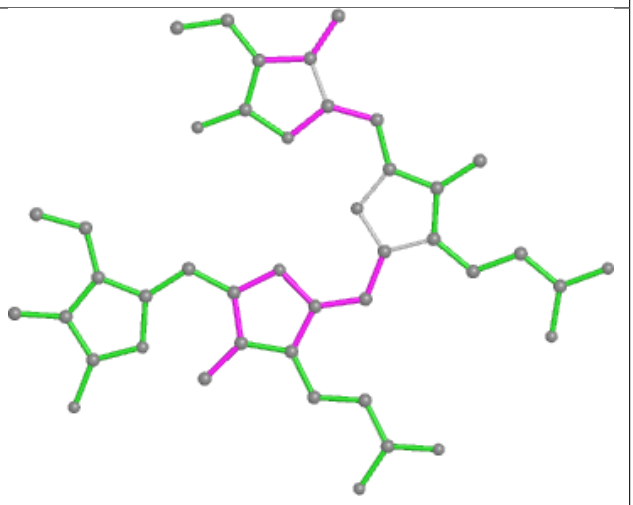

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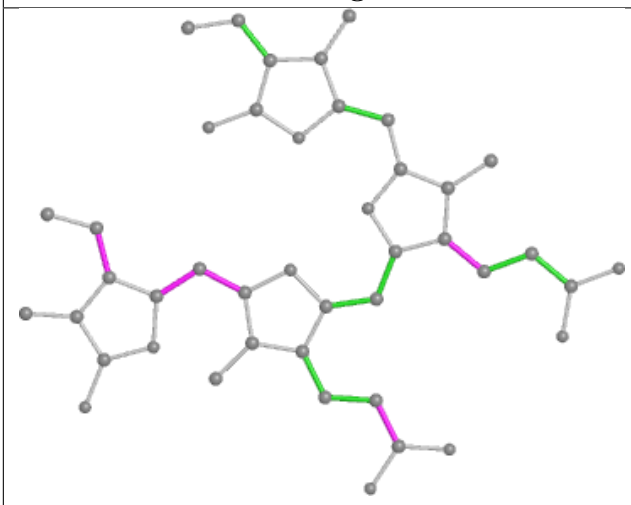

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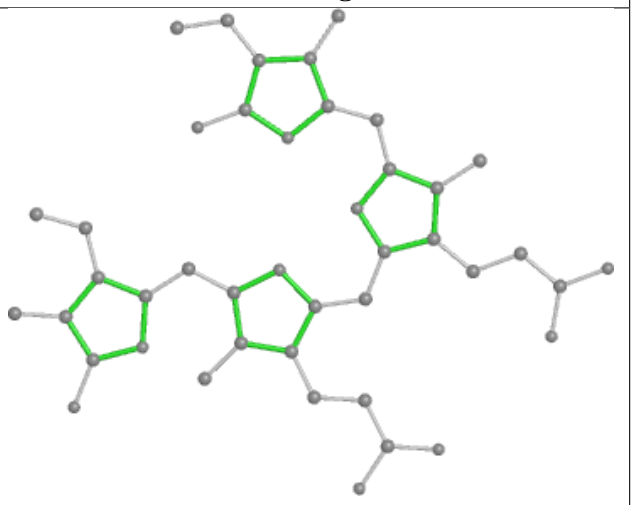

Rings

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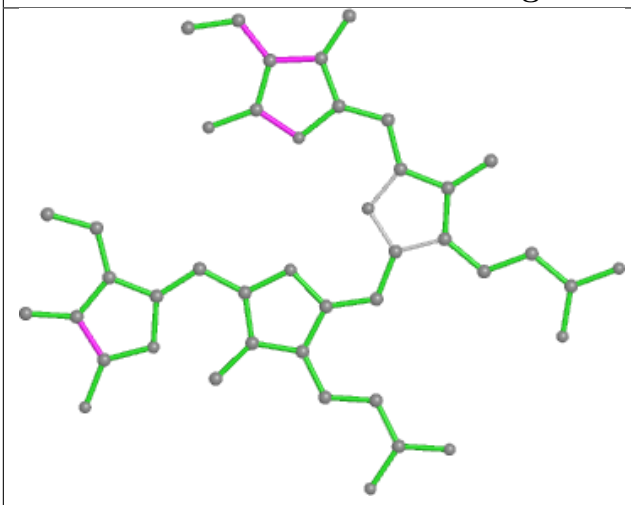

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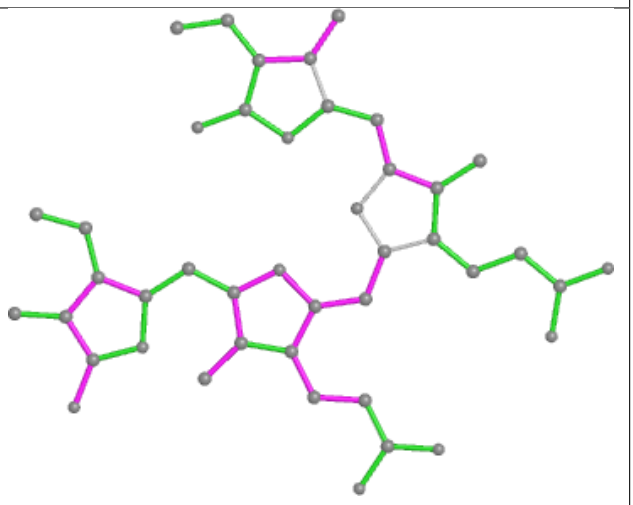

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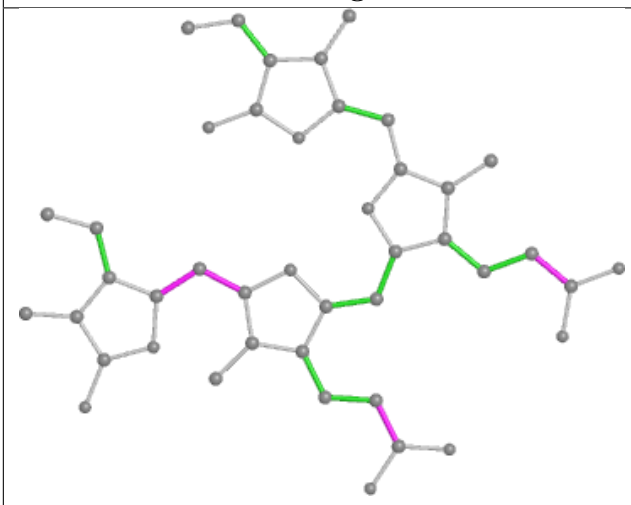

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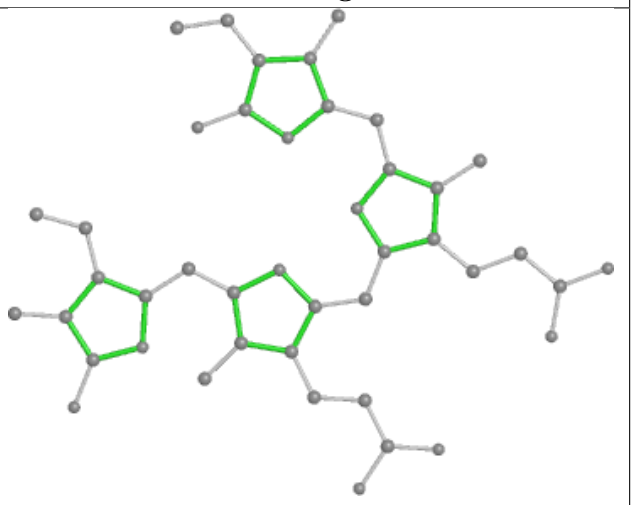

Rings

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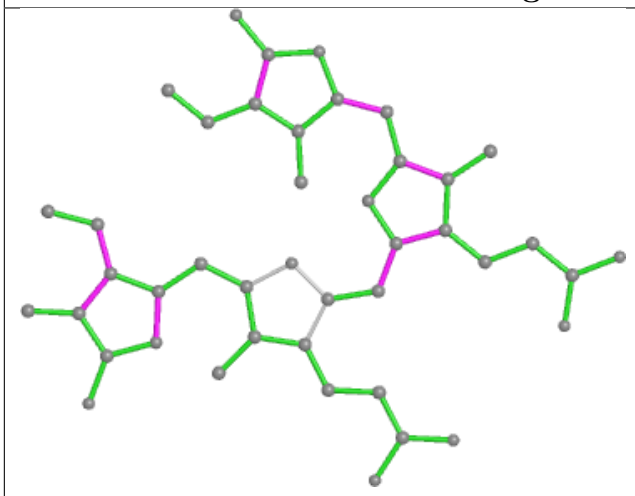

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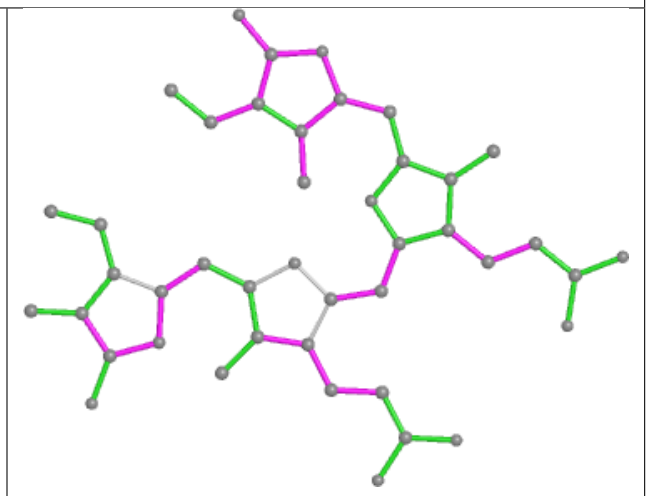

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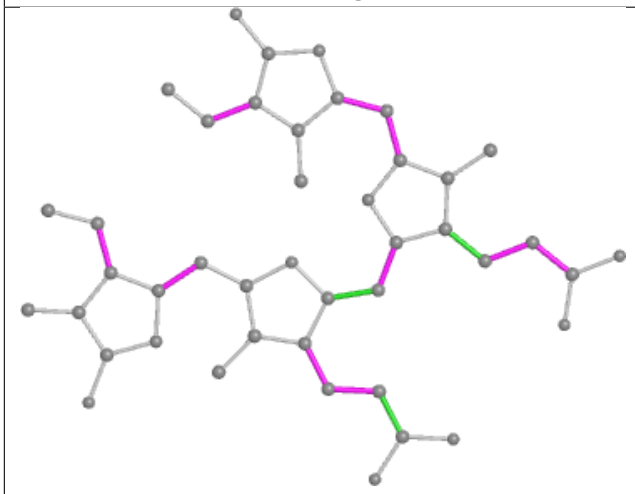

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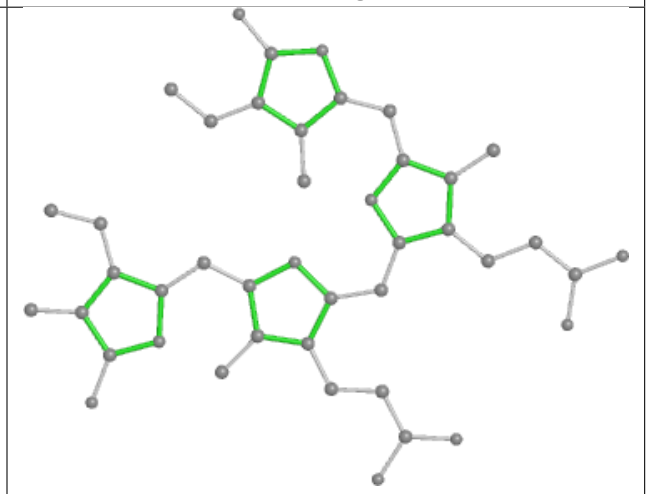

Rings

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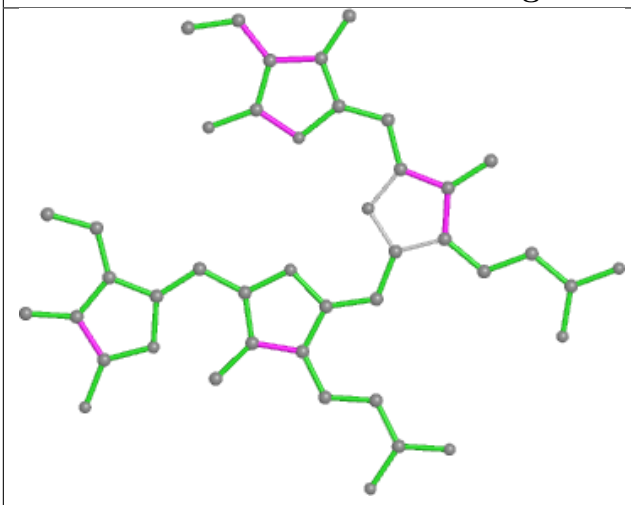

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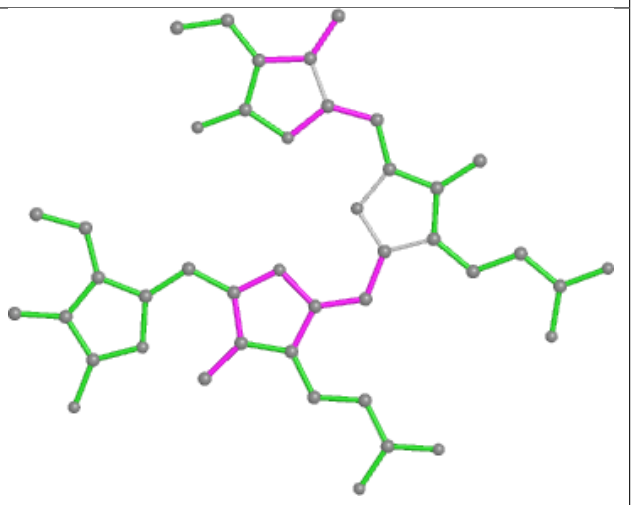

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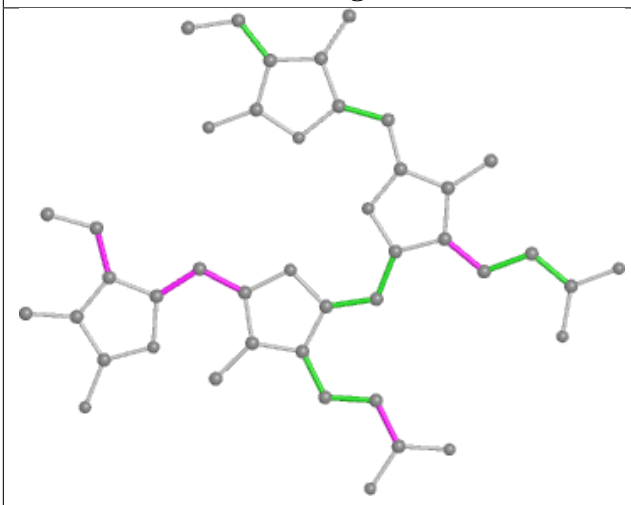

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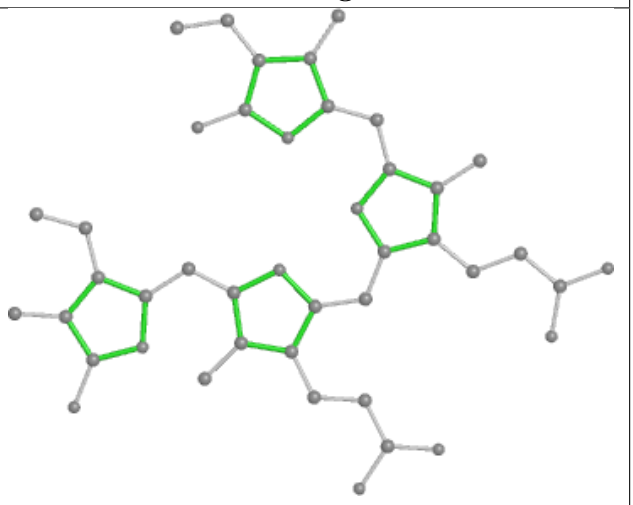

Rings

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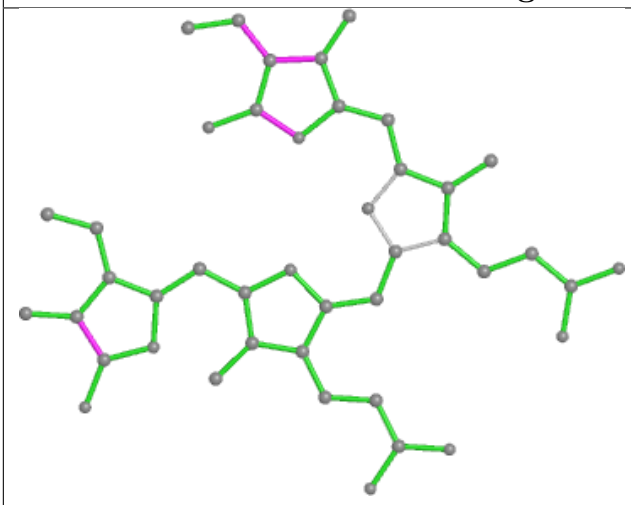

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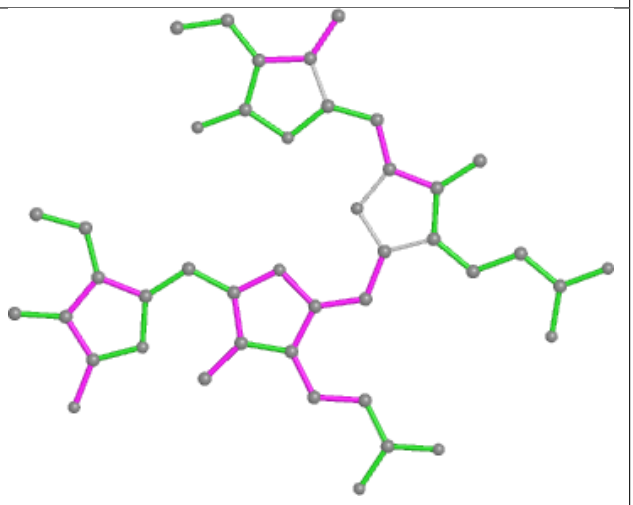

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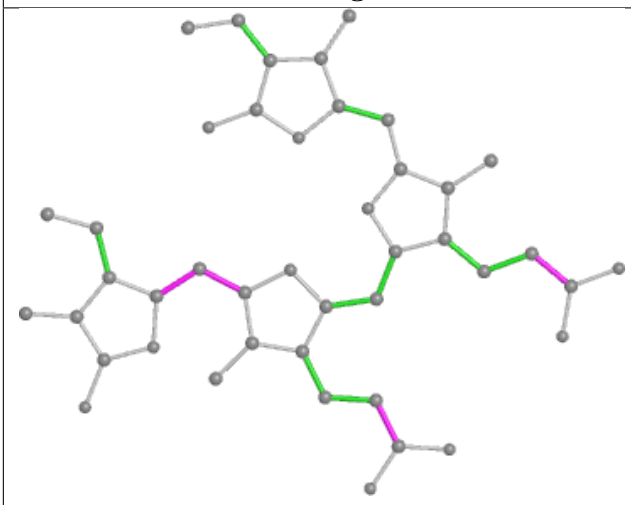

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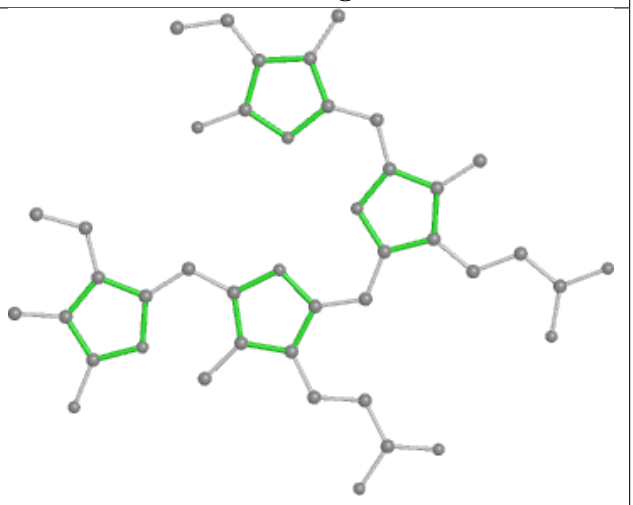

Rings

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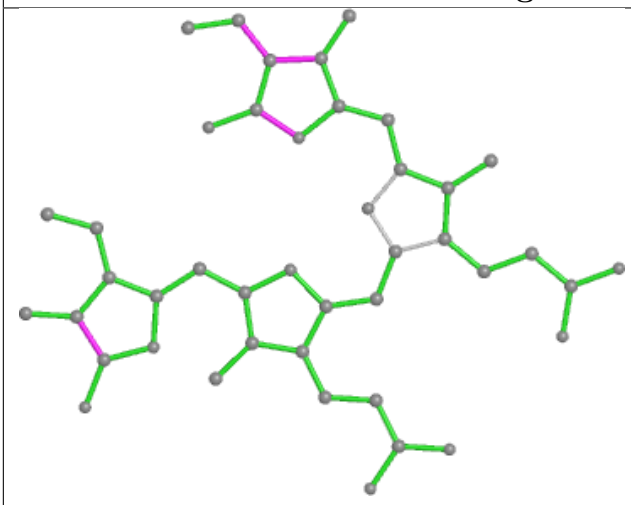

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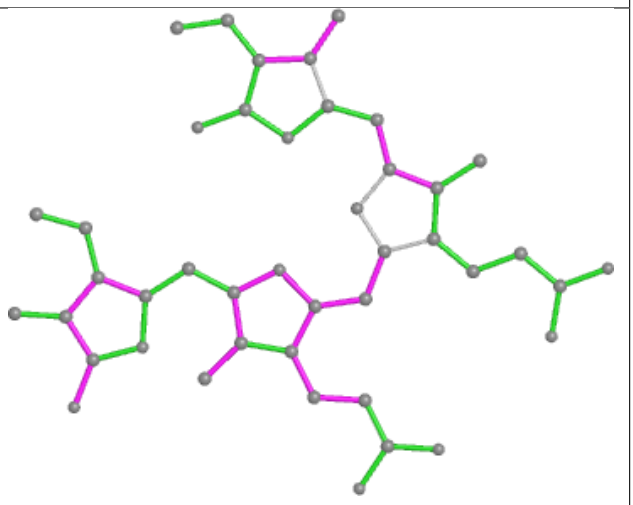

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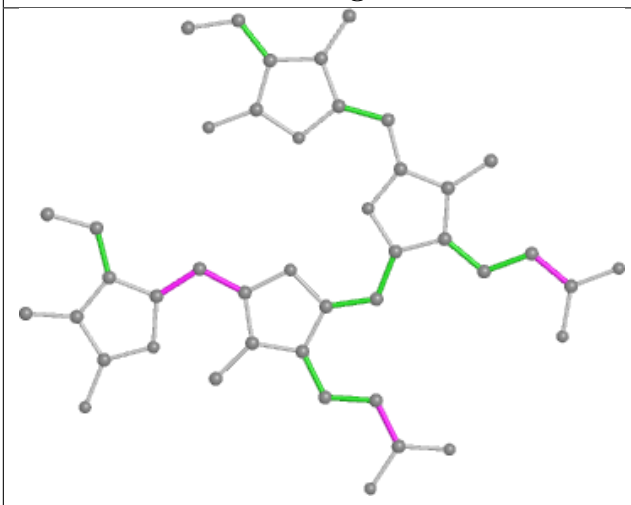

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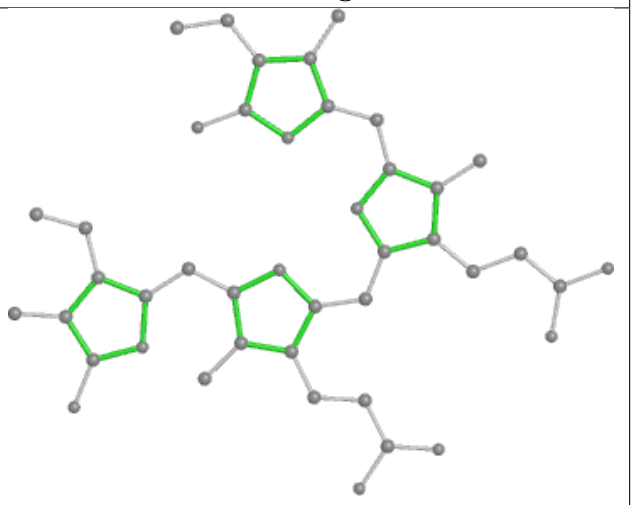

Rings

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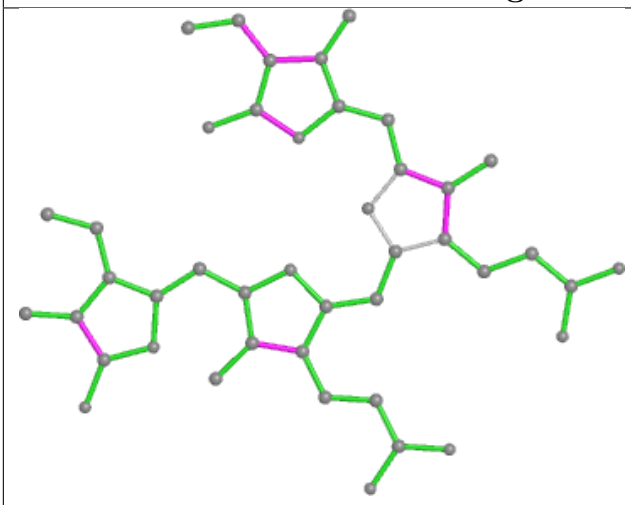

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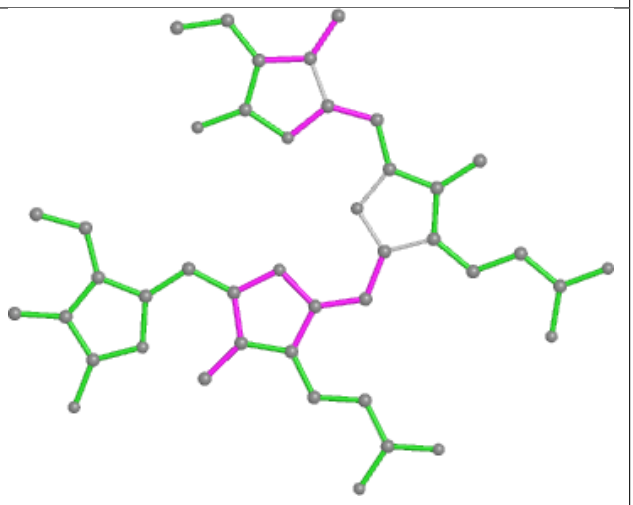

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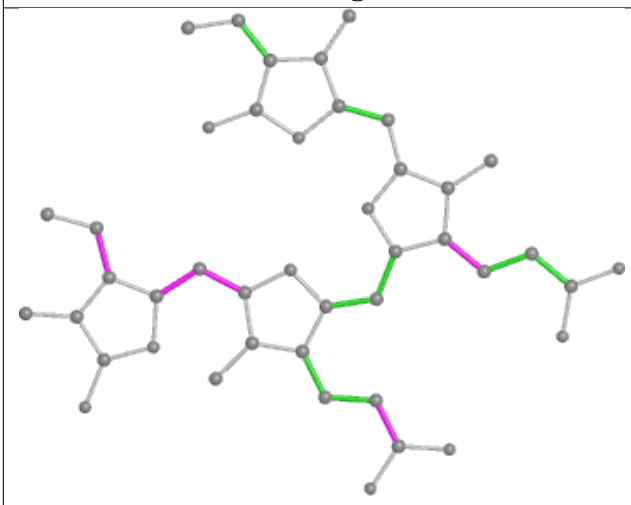

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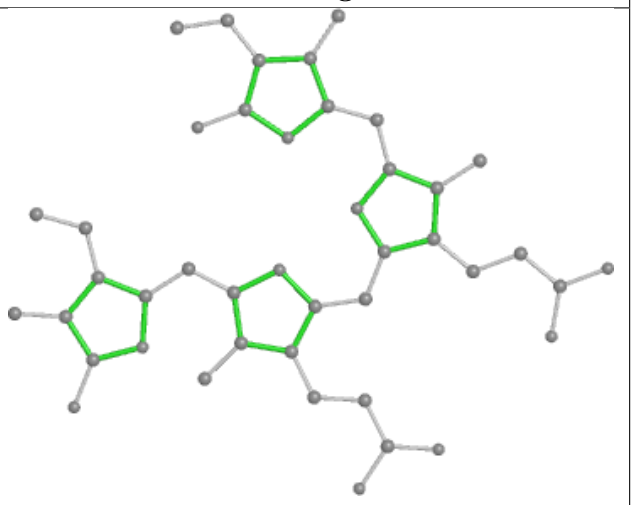

Rings

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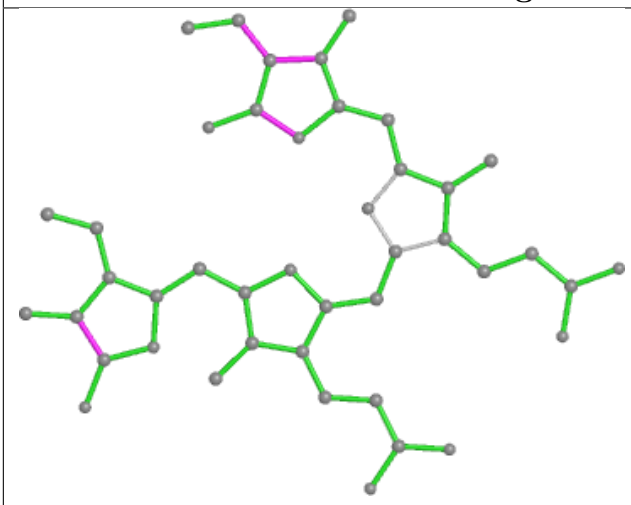

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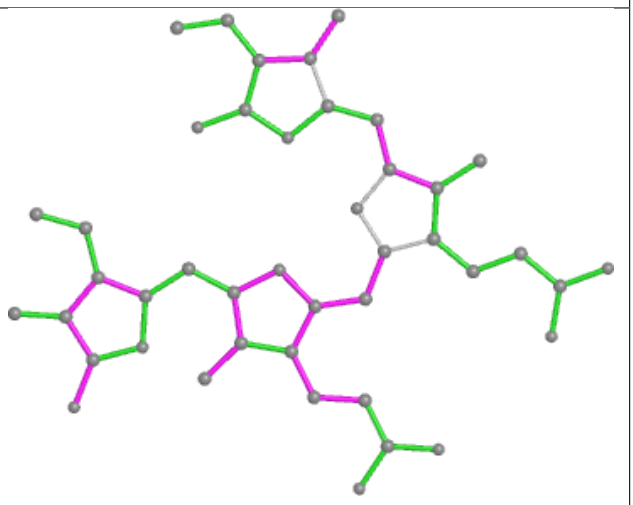

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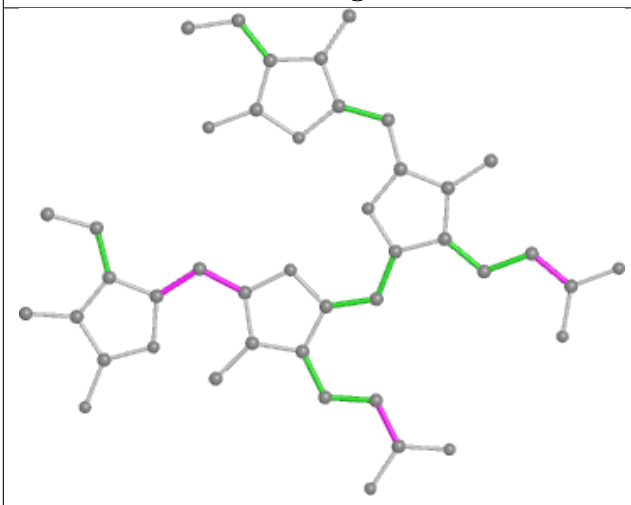

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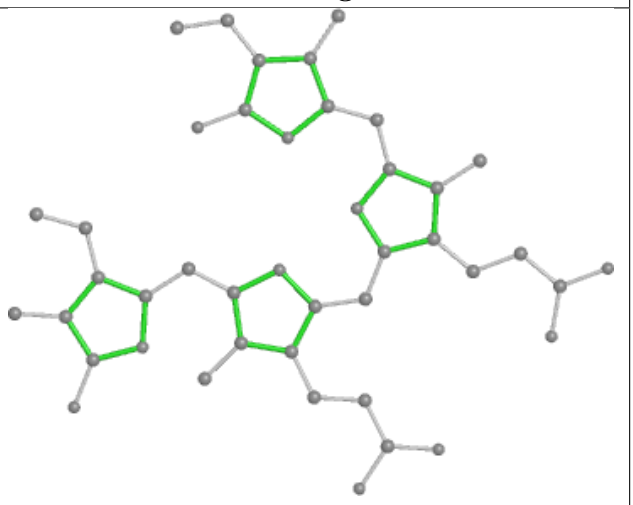

Rings

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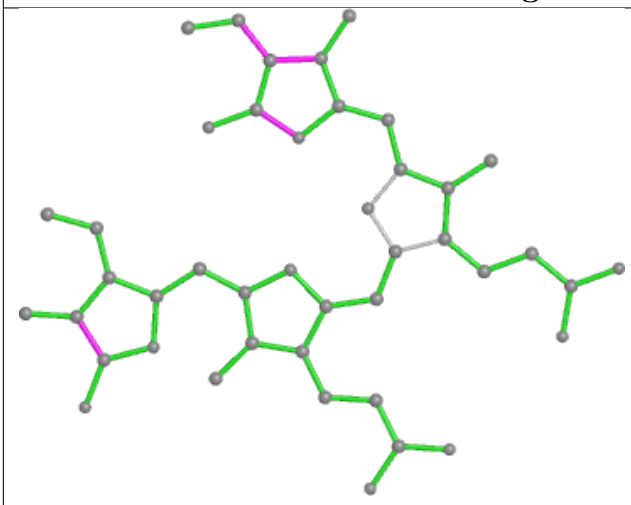

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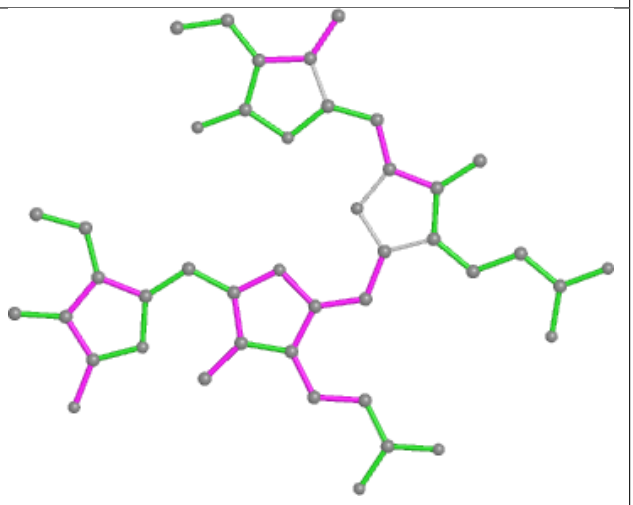

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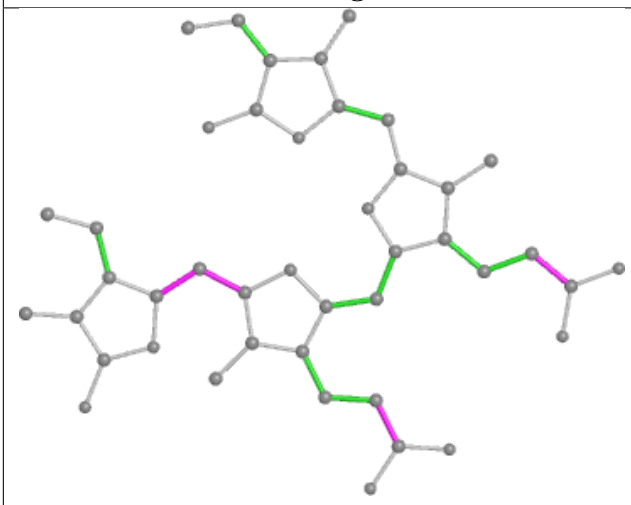

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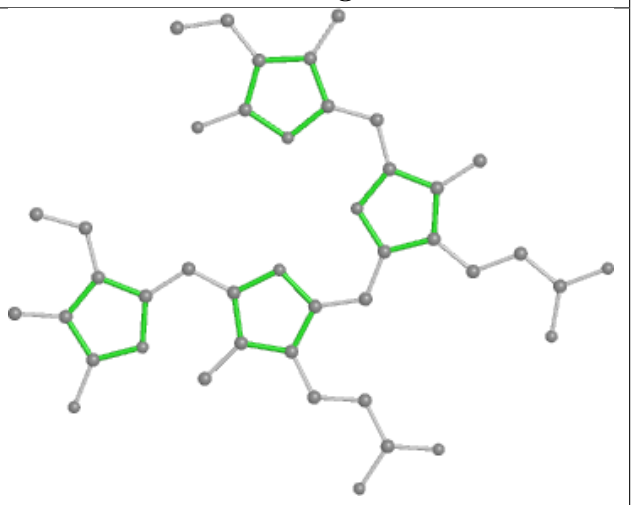

Rings

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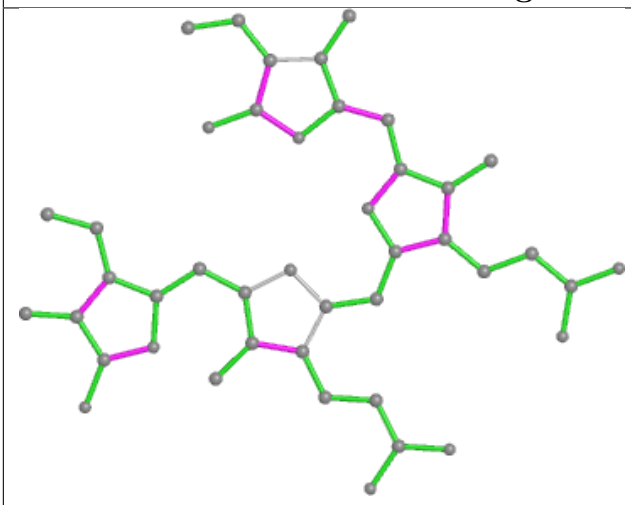

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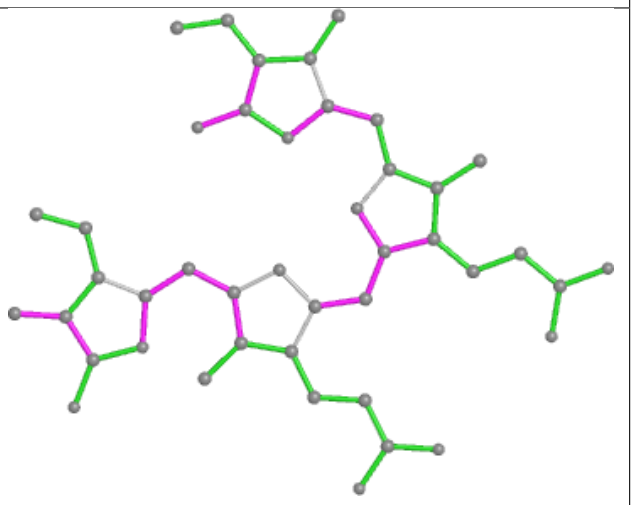

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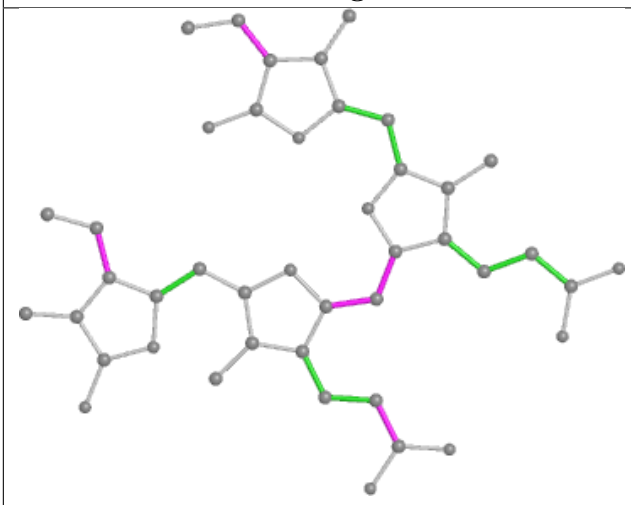

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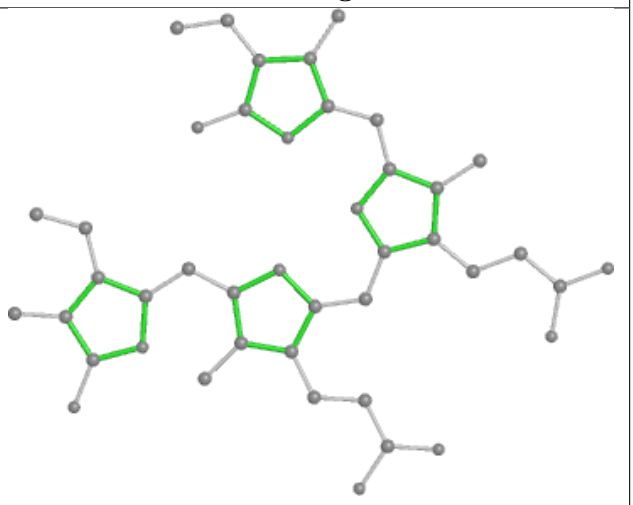

Rings

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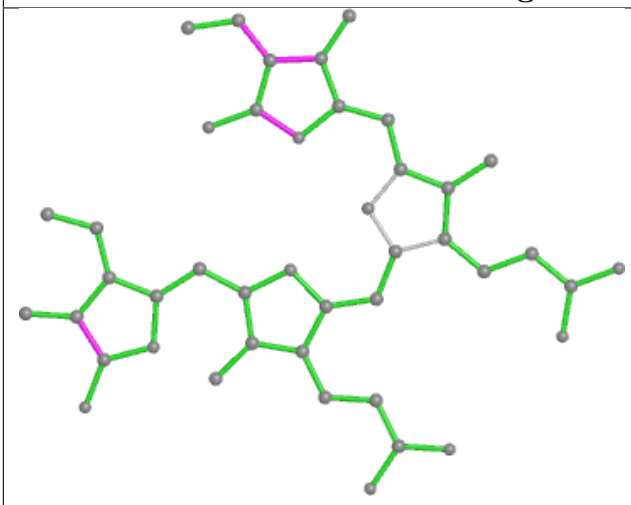

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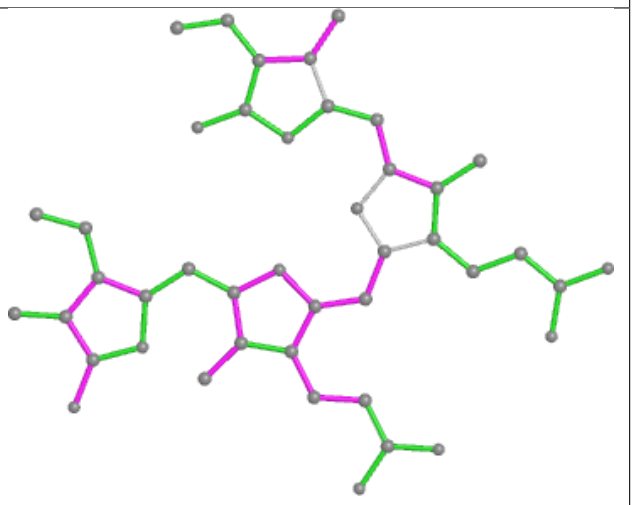

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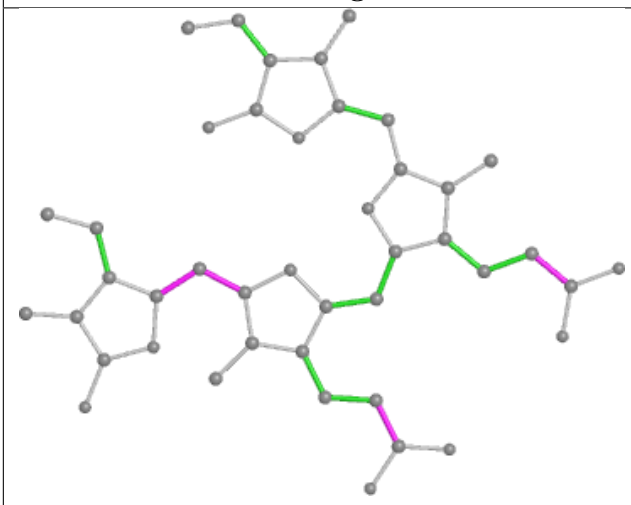

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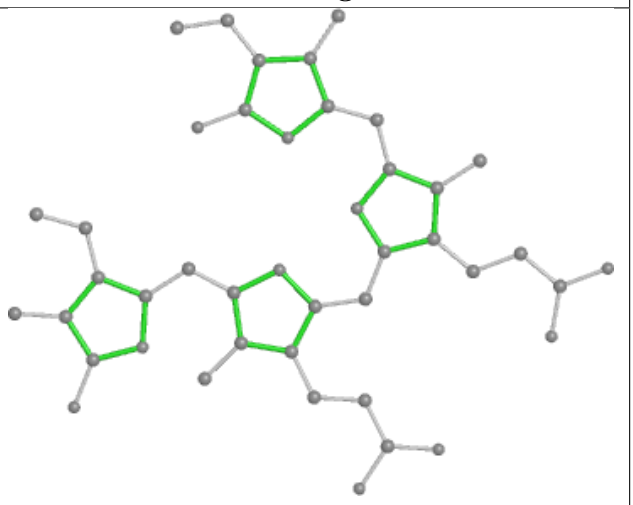
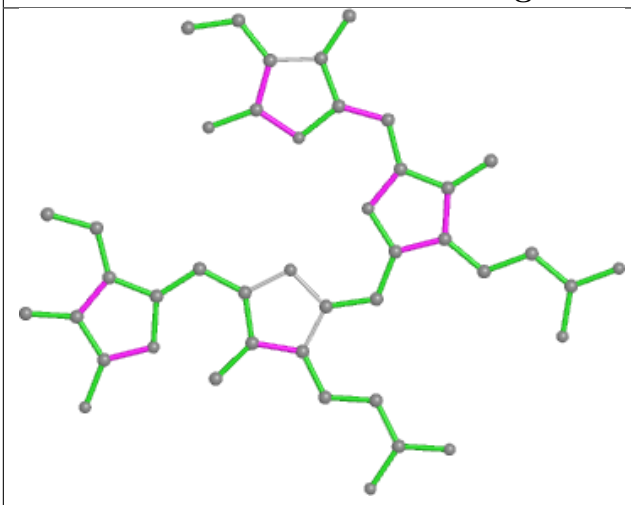


Rings

Ligand PUB hZ 404



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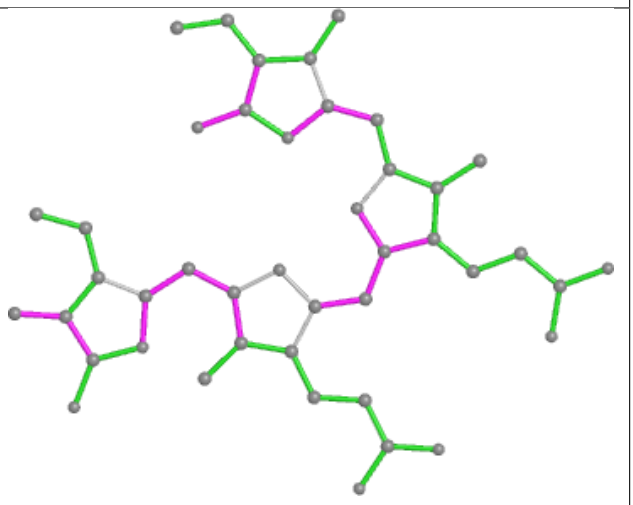

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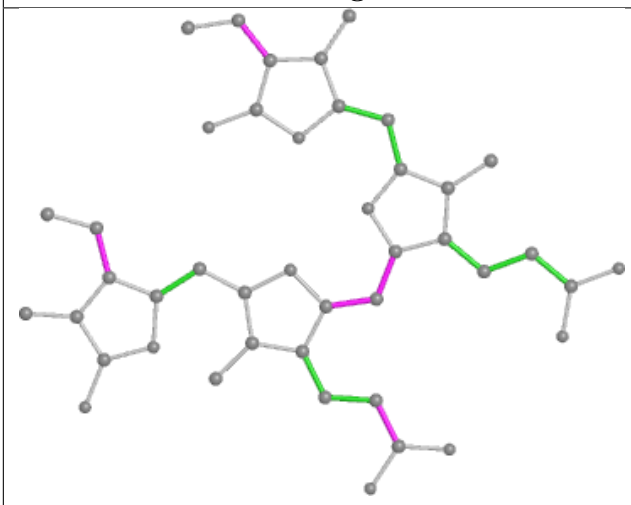
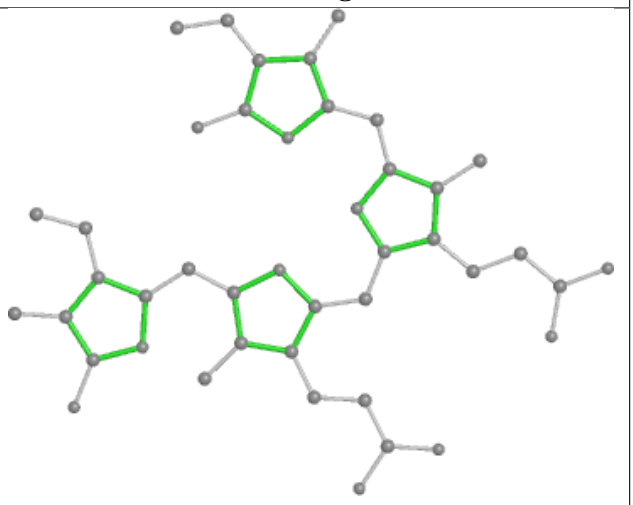
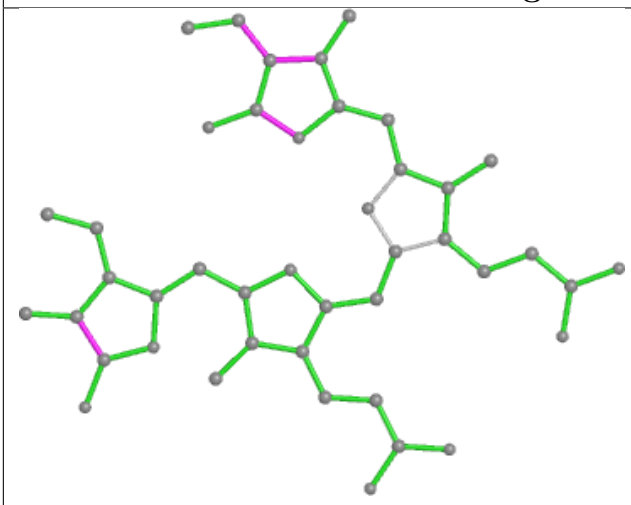


Torsions



Rings

Ligand PEB f3 201



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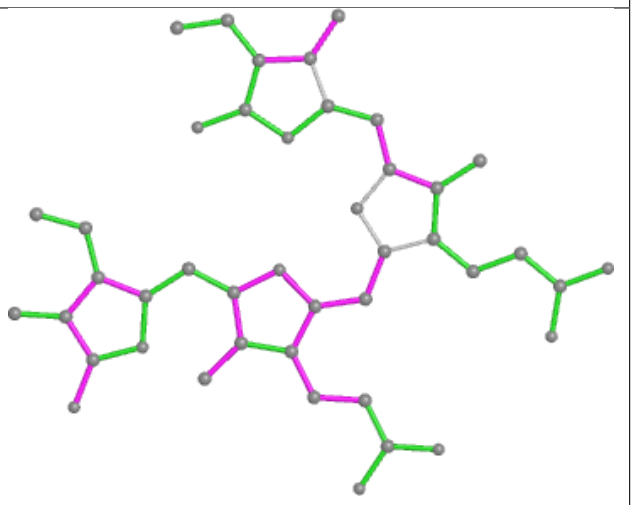

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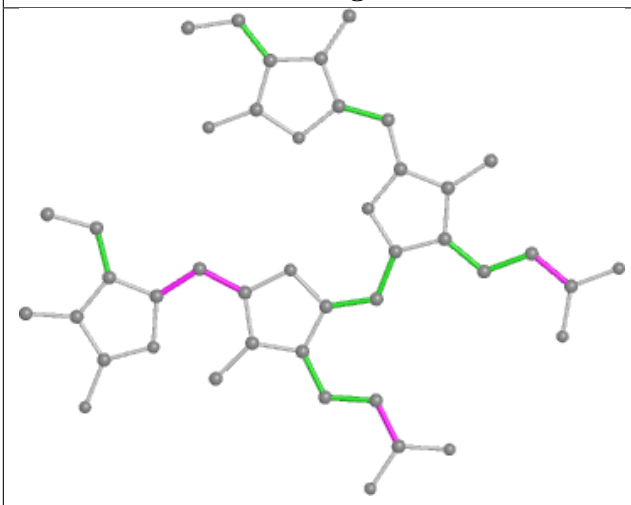

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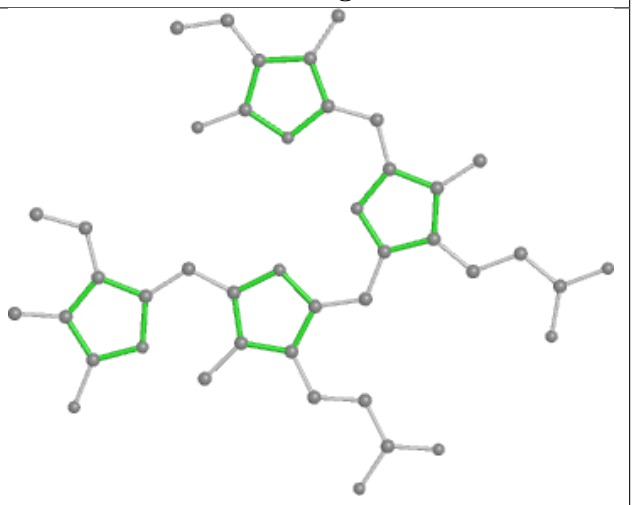
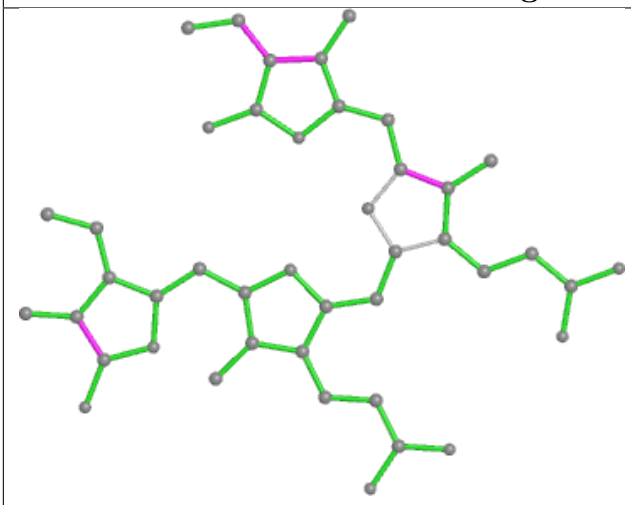


Rings

Ligand PEB c8 301



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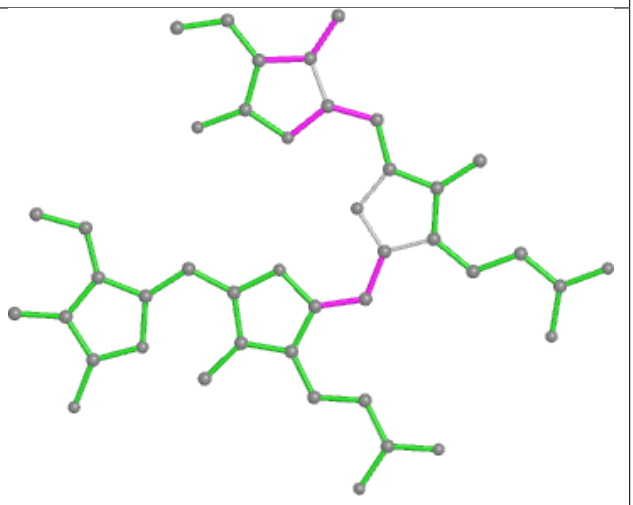

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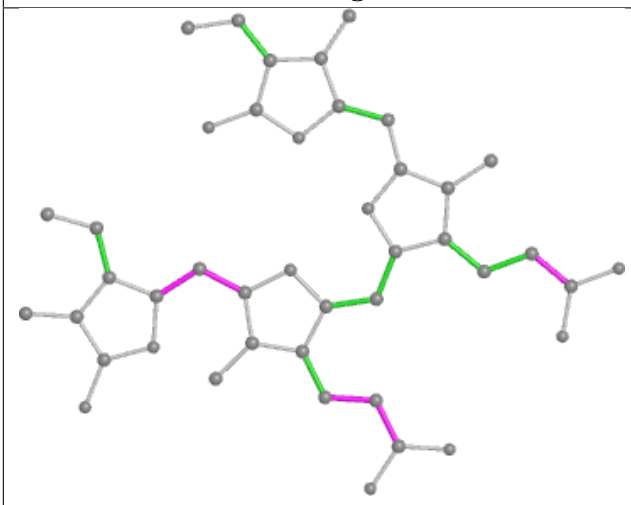

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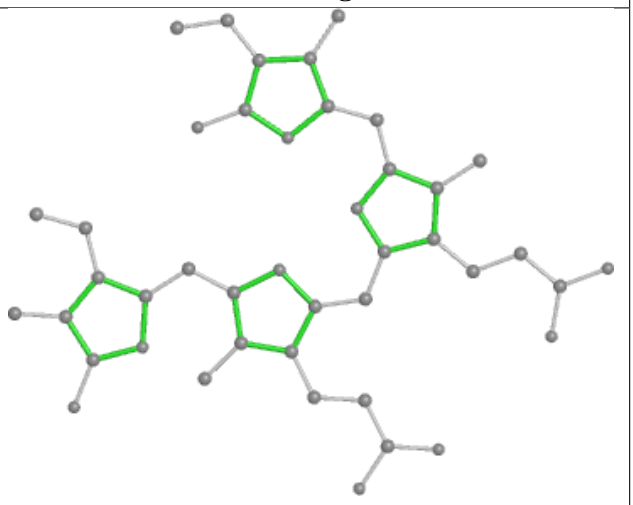
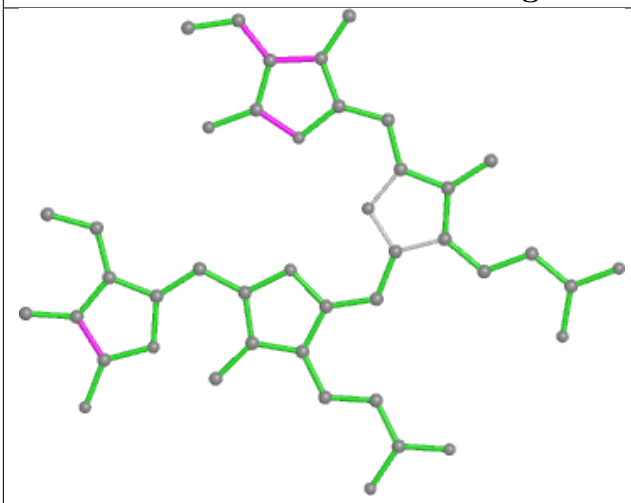


Rings

Ligand PEB ar 201



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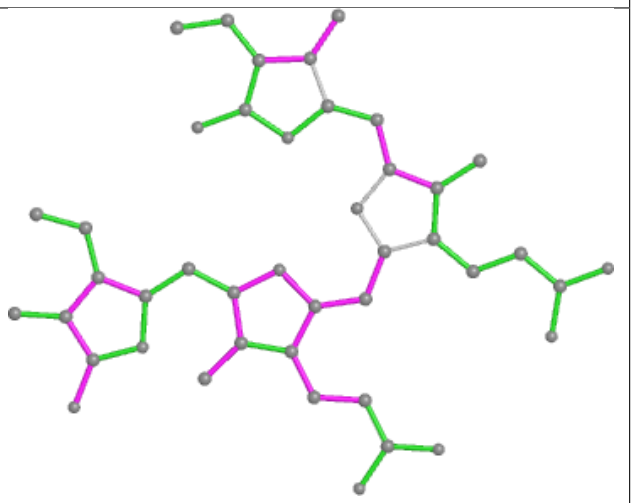

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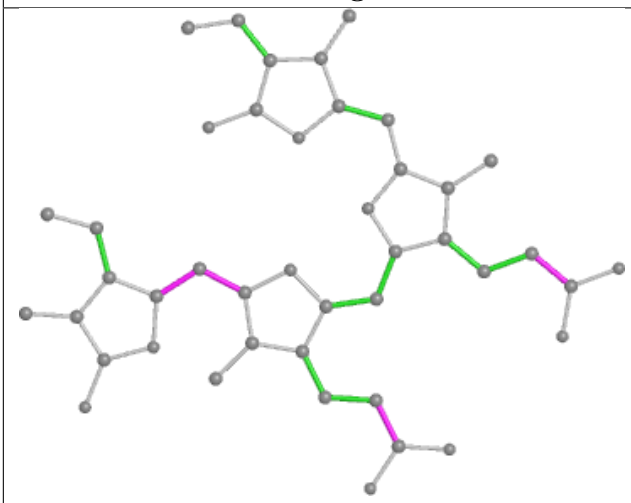

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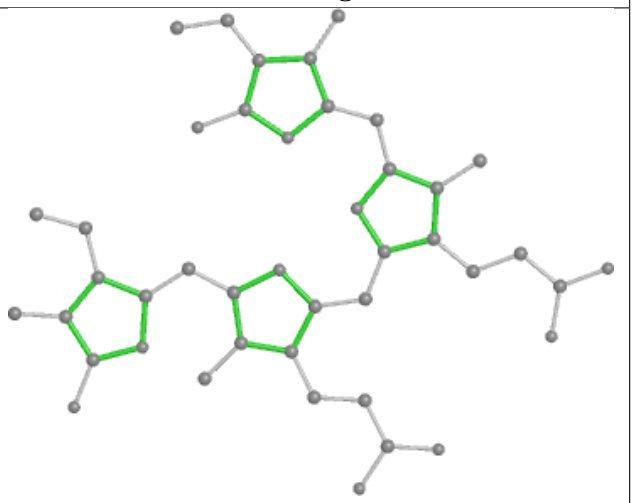
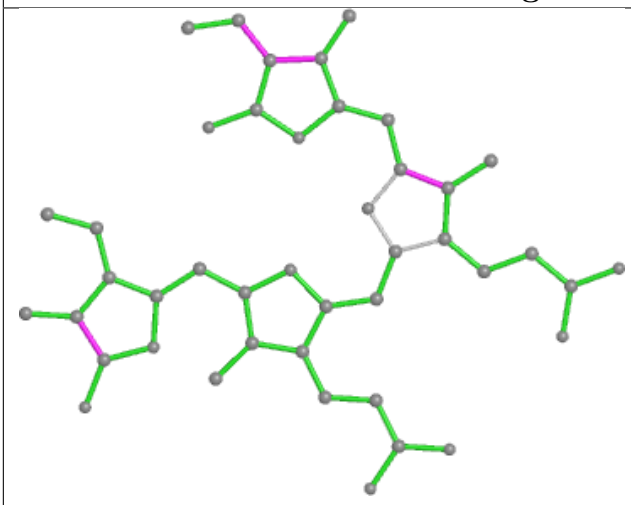


Rings

Ligand PEB I3 202



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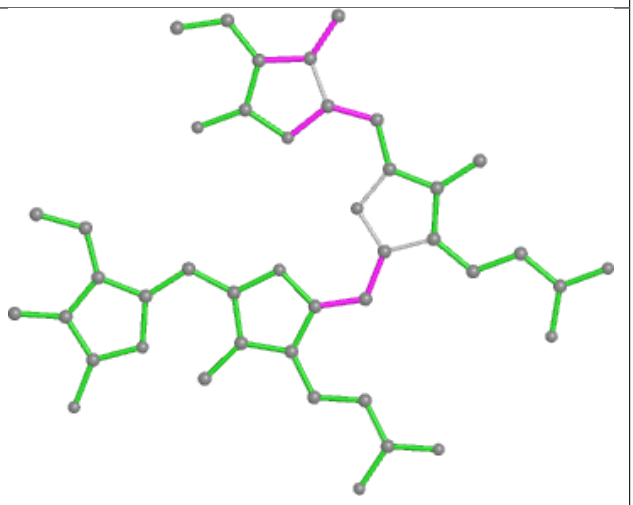

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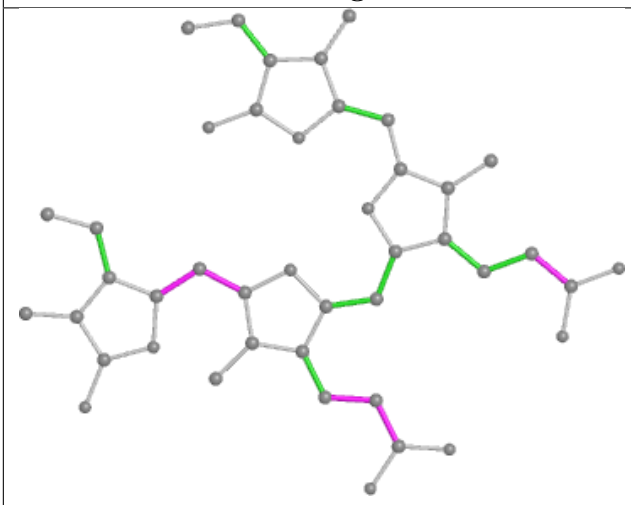

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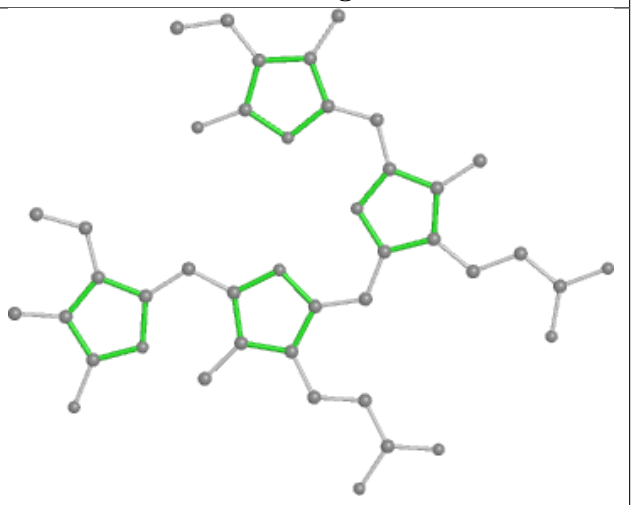
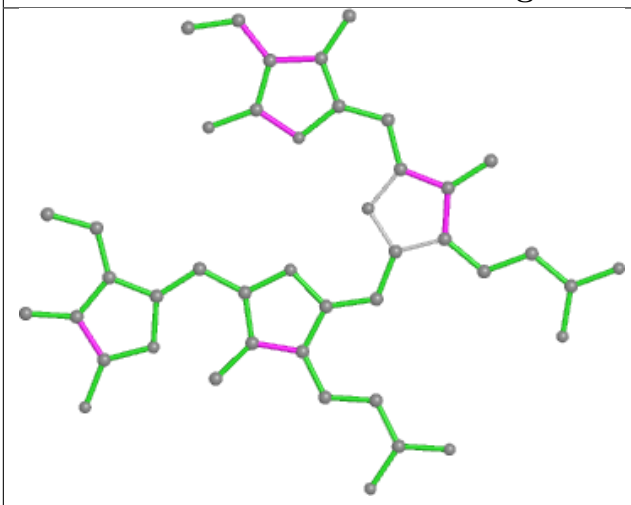


Rings

Ligand PEB bF 202



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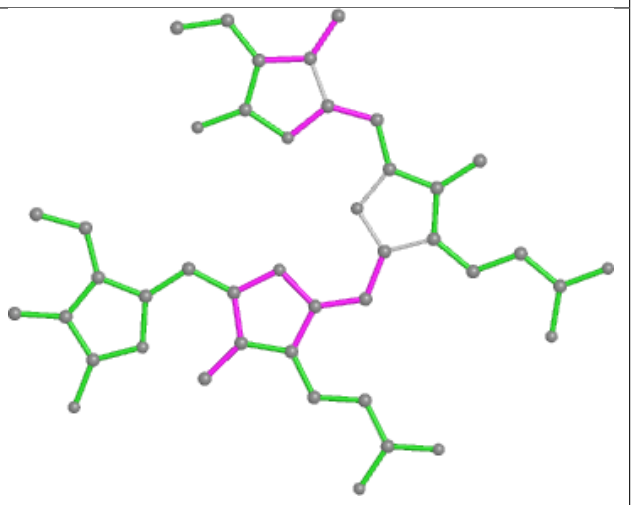

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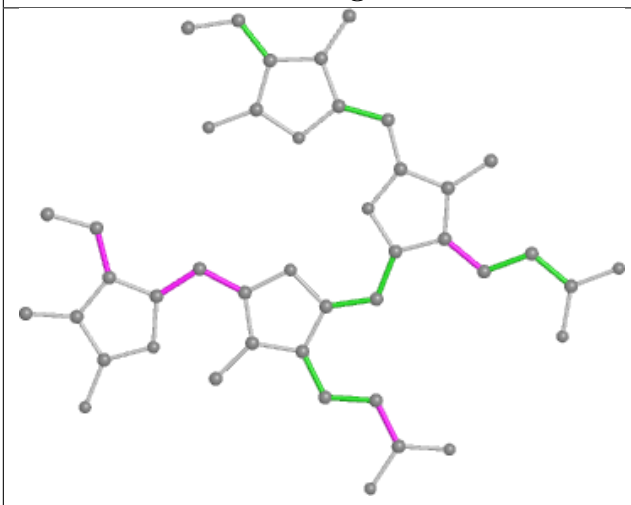

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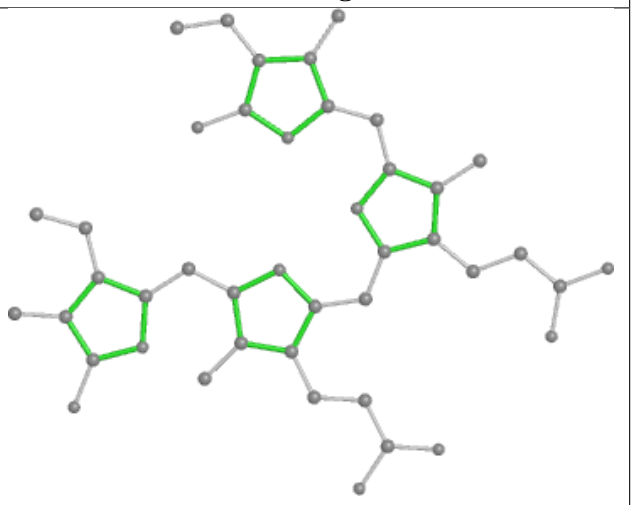

Rings

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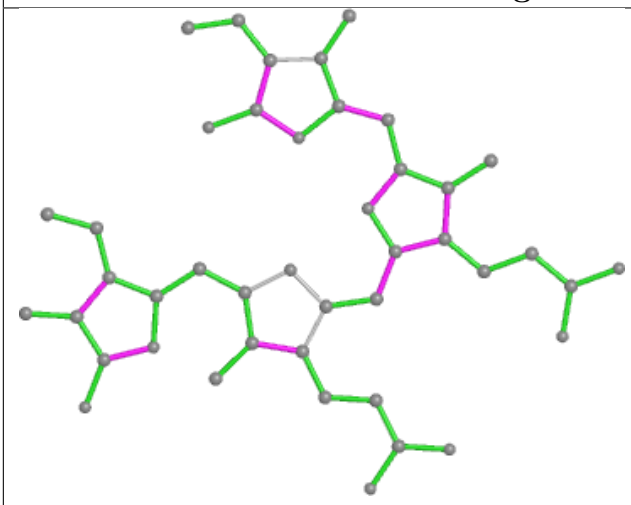

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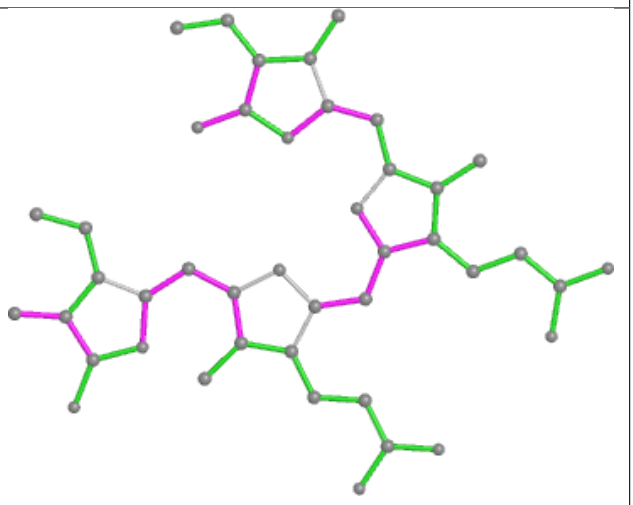

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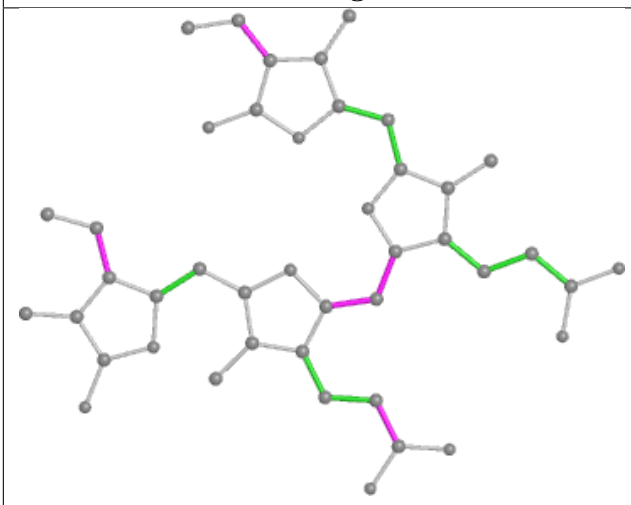

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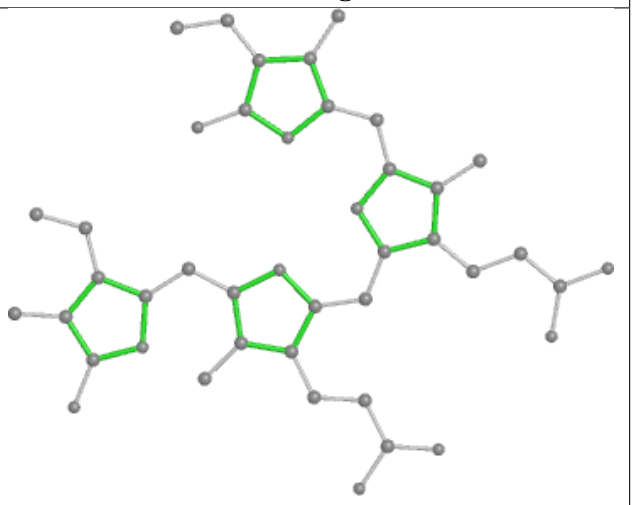

Rings

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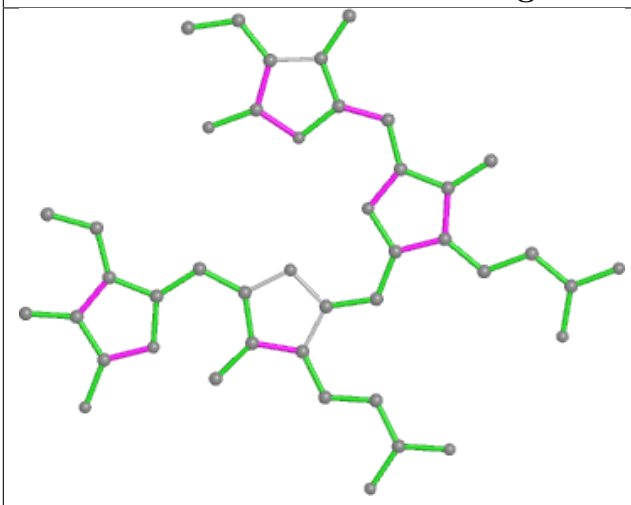

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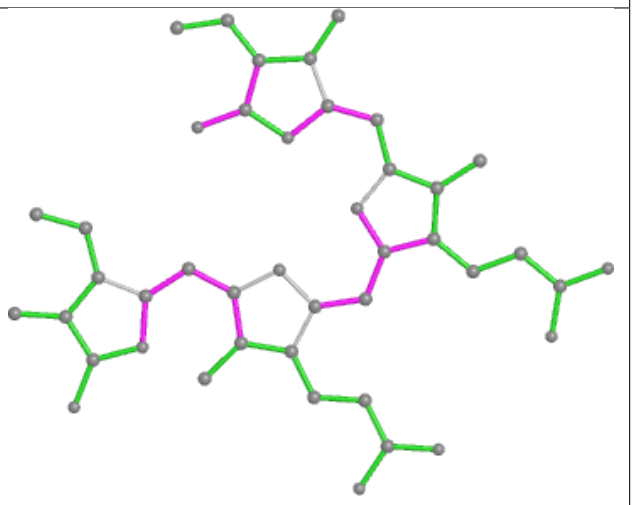

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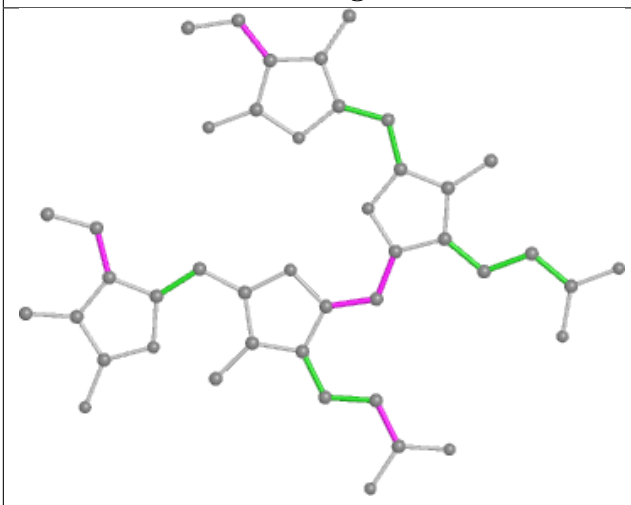

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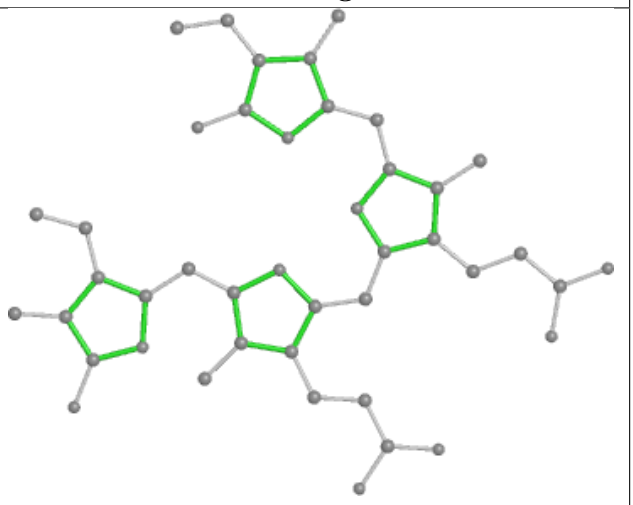
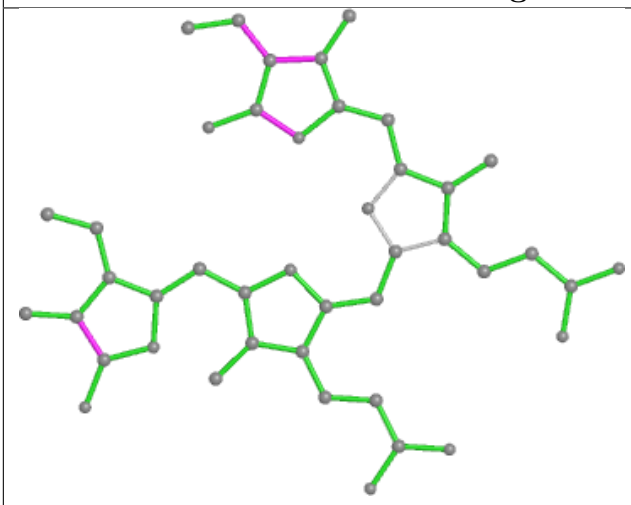


Rings

Ligand PEB iG 1001



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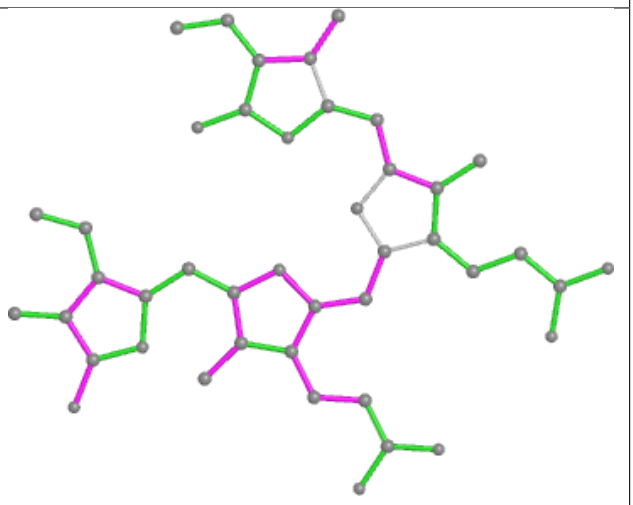

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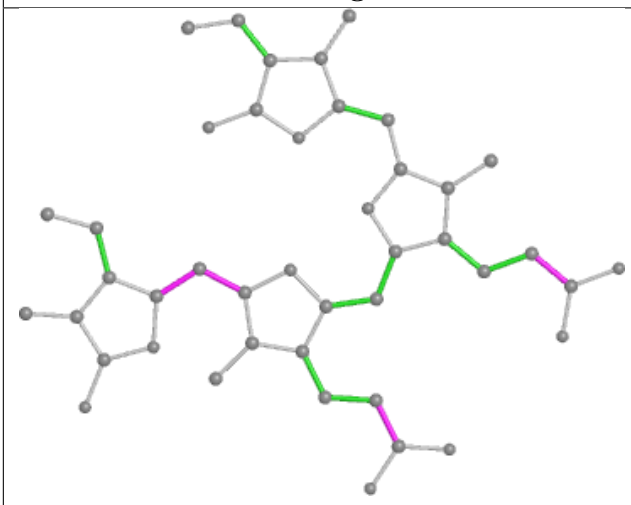

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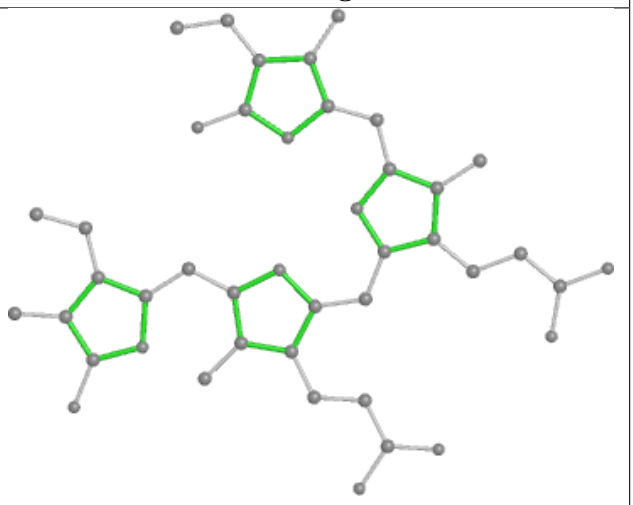
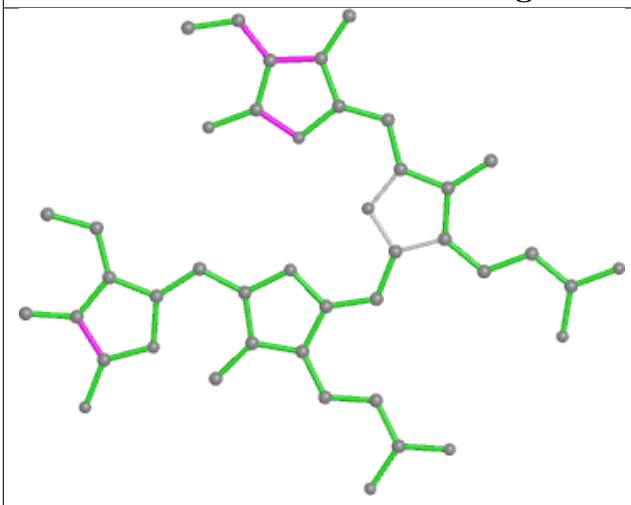


Rings

Ligand PEB Q4 202



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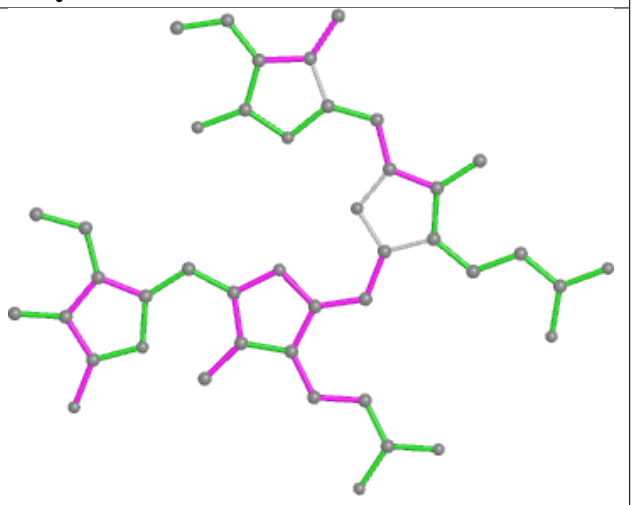

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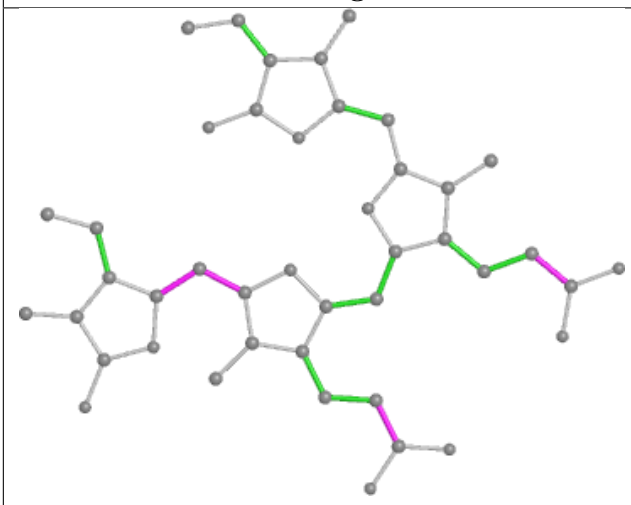

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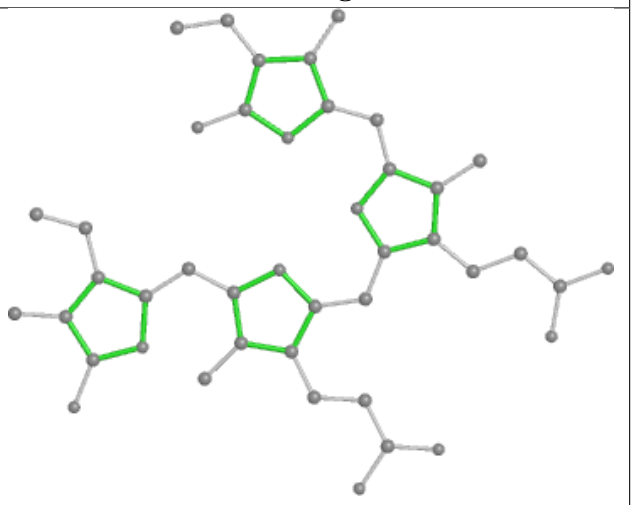
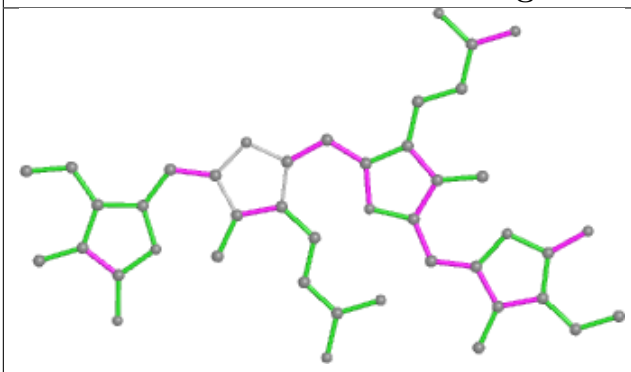


Rings

Ligand CYC q1 201



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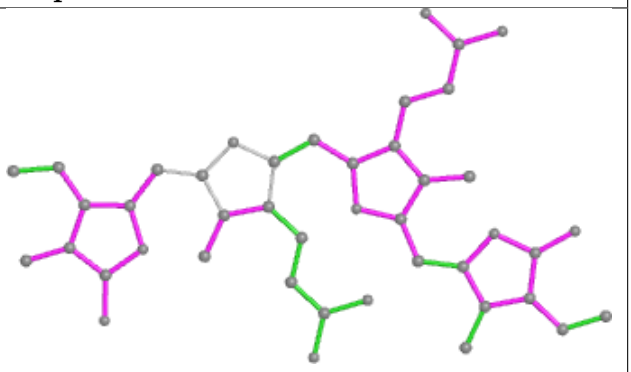

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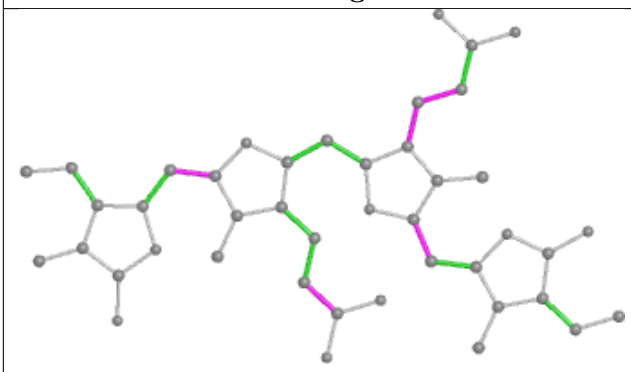

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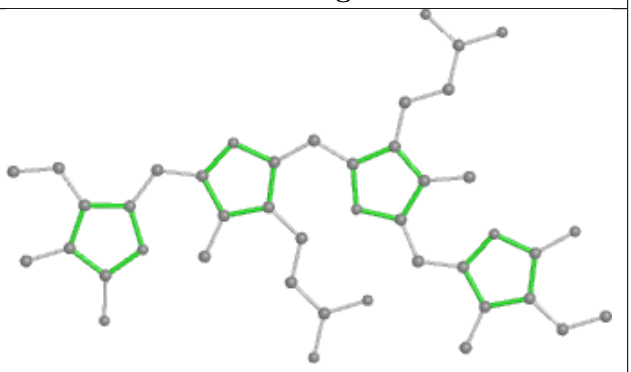

Rings

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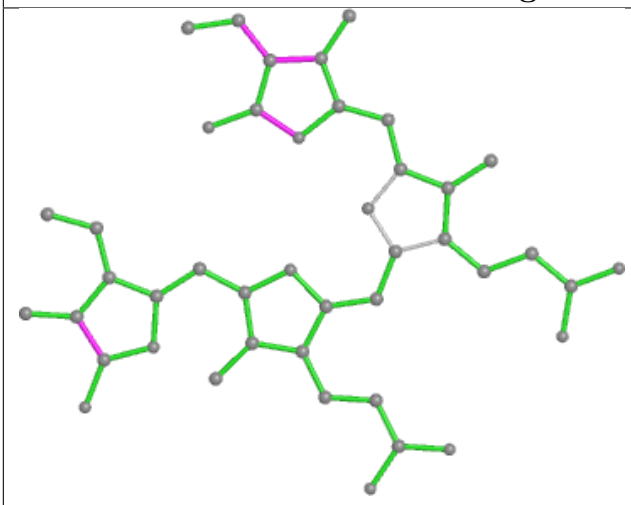

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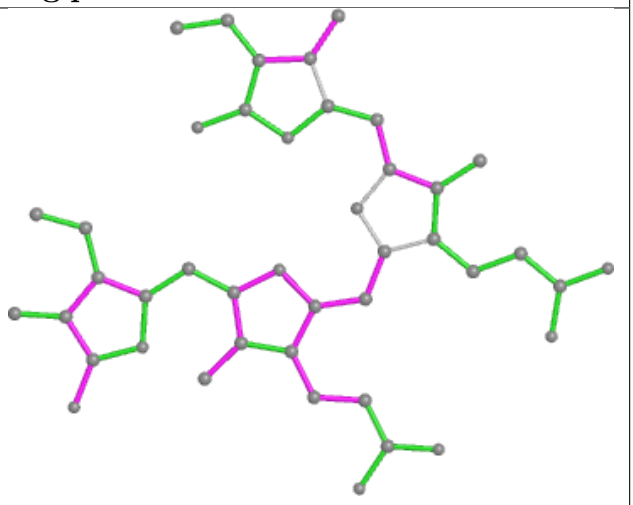

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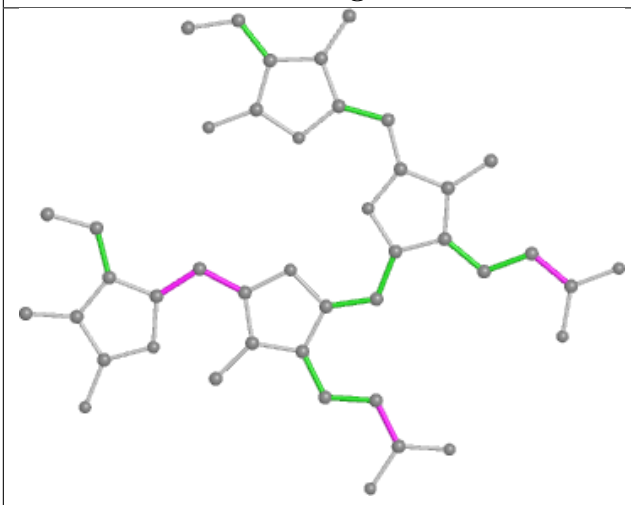

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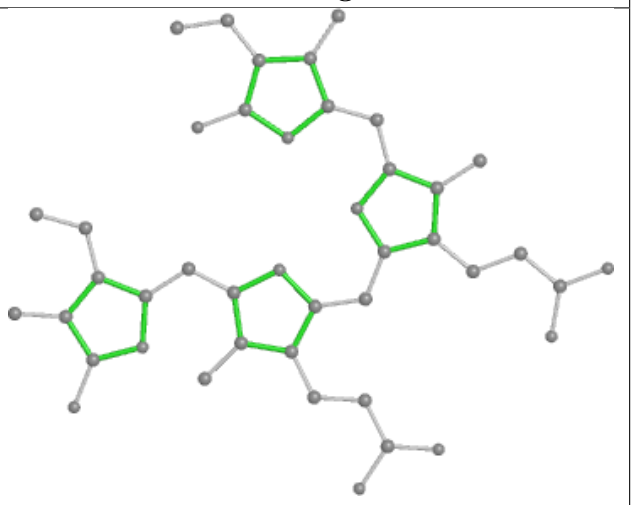
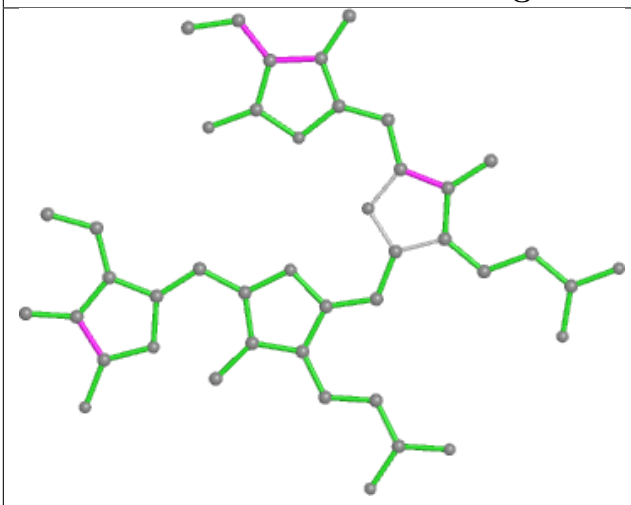


Rings

Ligand PEB fh 1002



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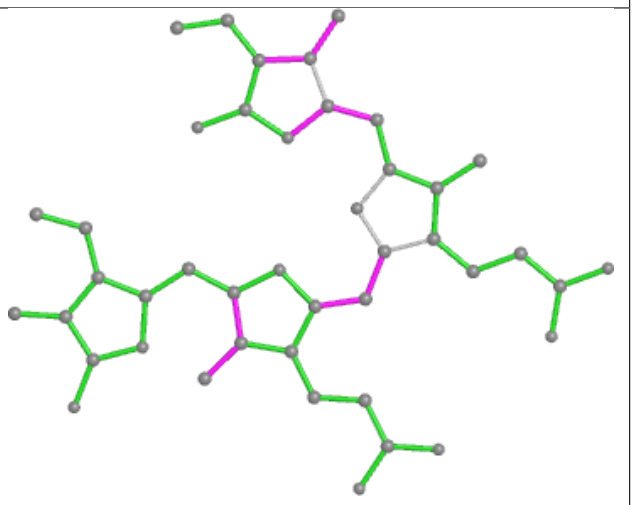

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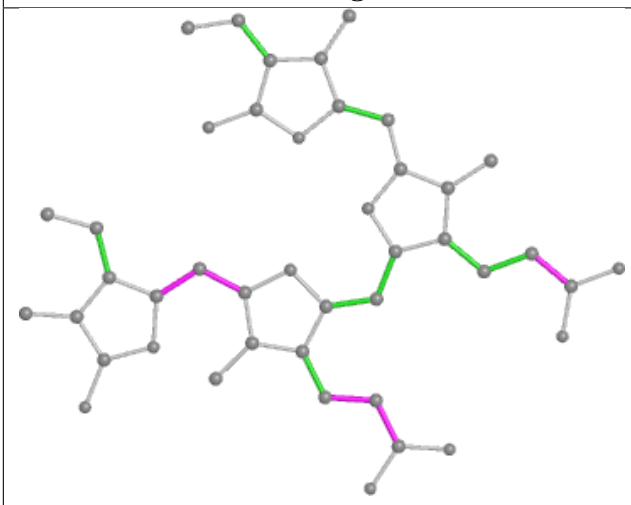

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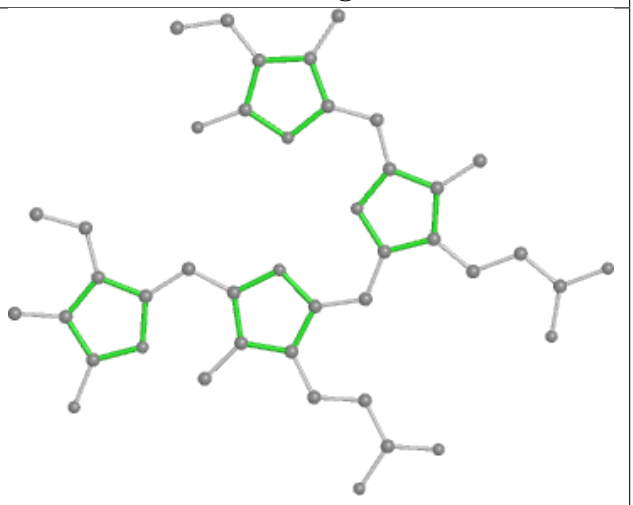
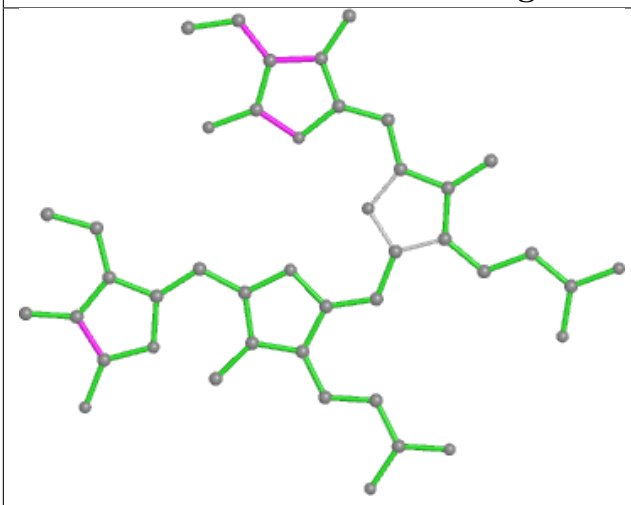


Rings

Ligand PEB Z4 202



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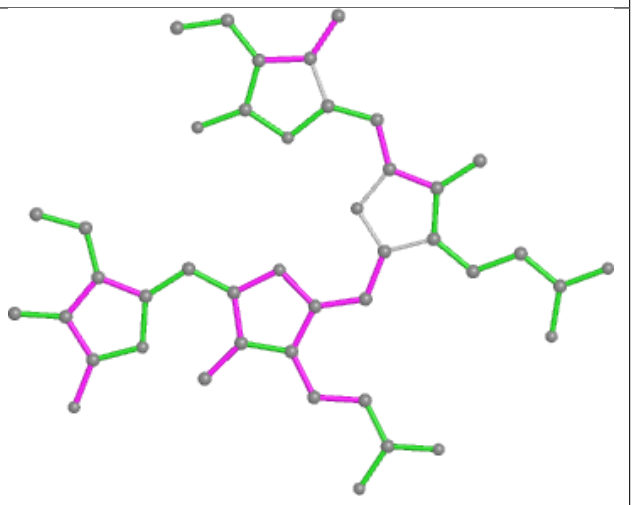
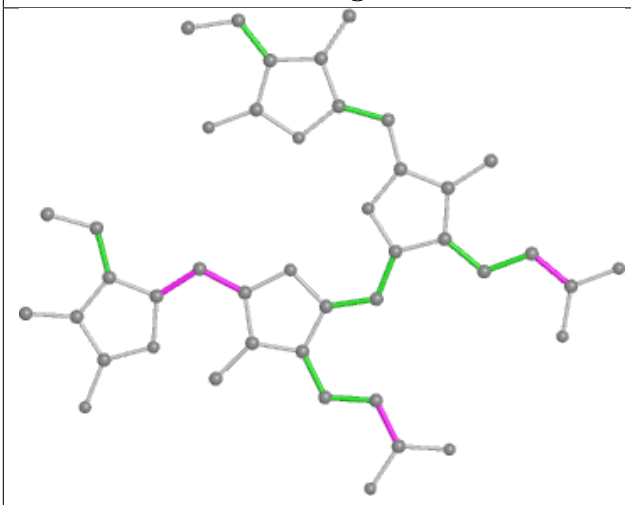


Bond angles



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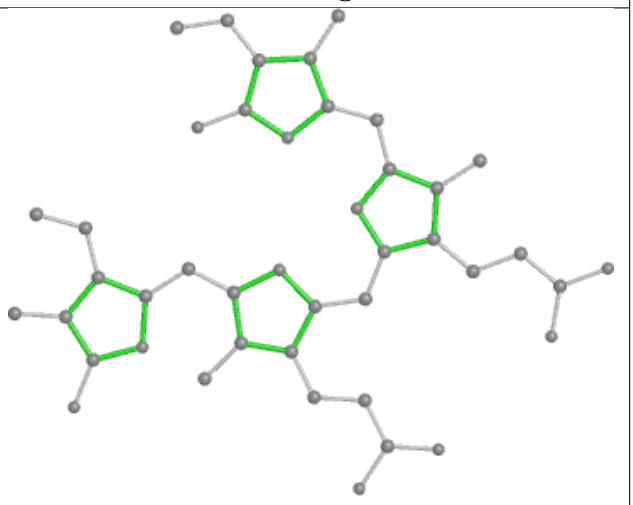
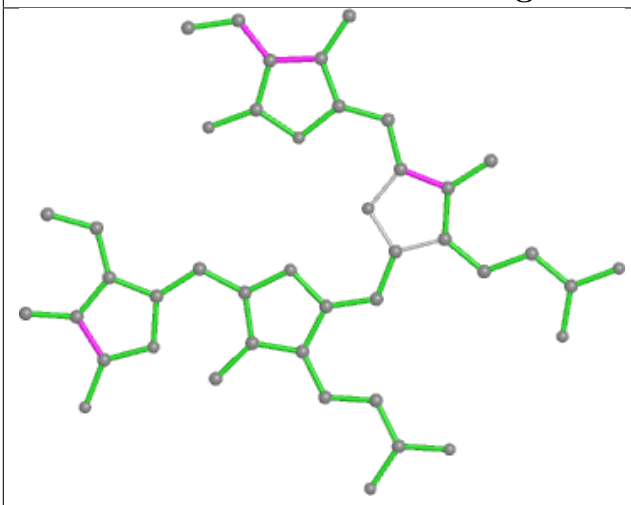


Rings

Ligand PEB C7 202



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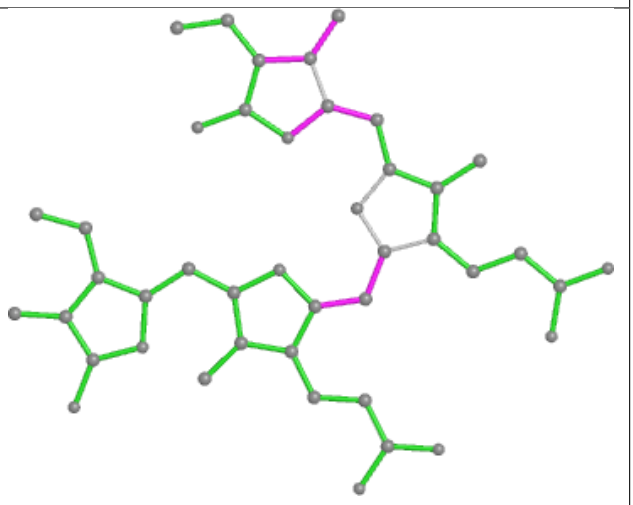

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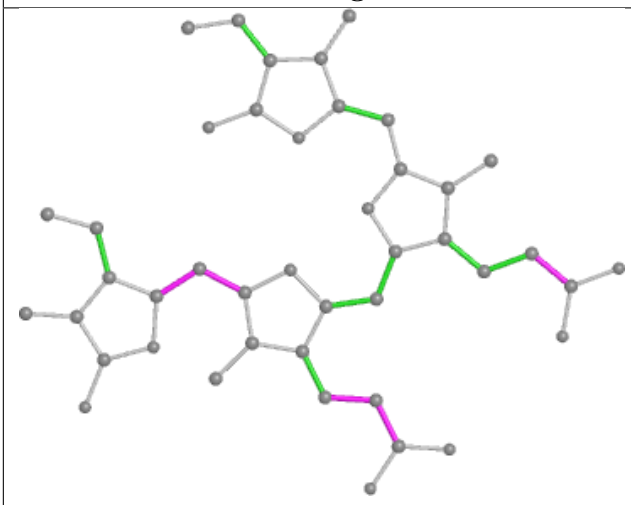
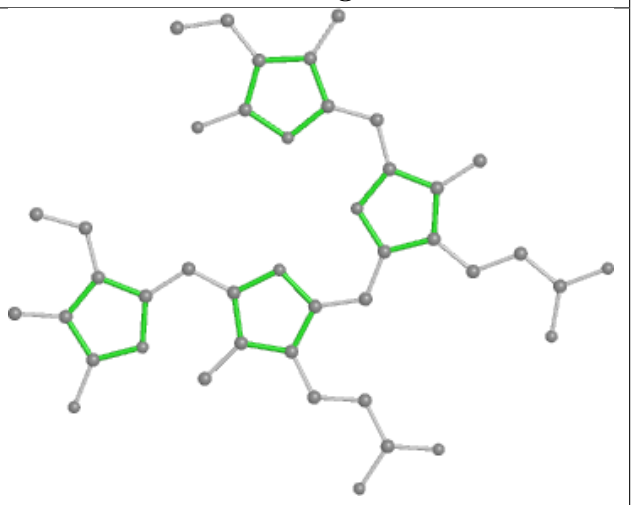
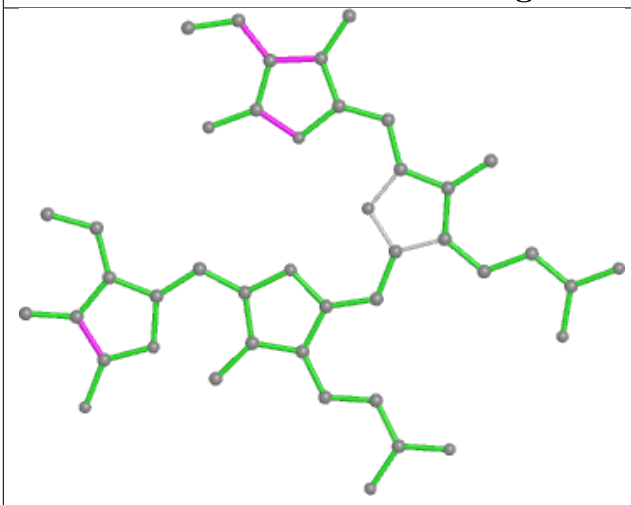


Torsions



Rings

Ligand PEB R7 201



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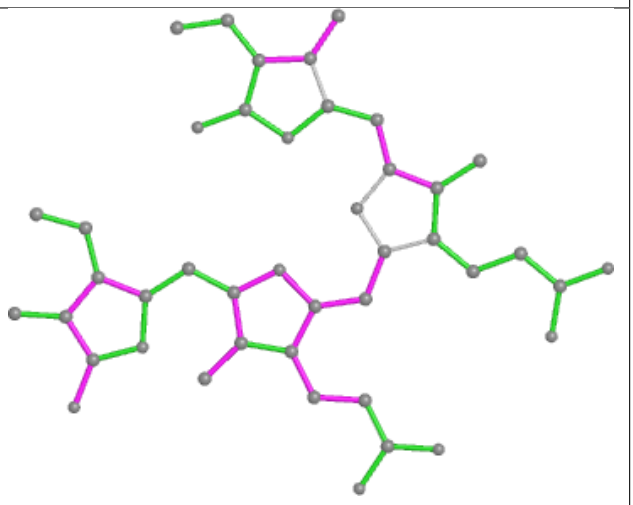

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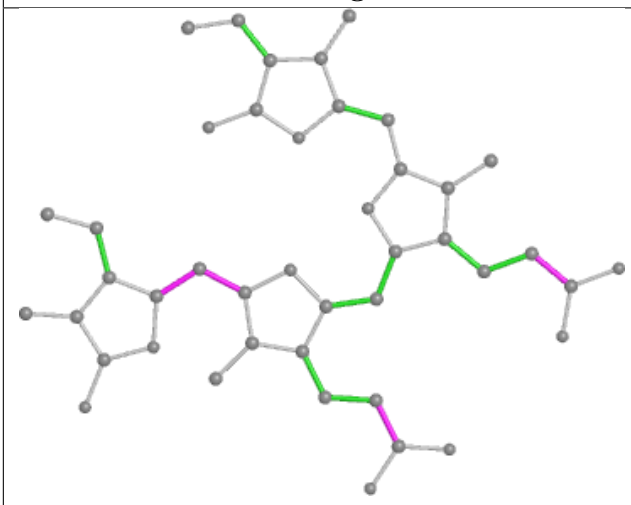

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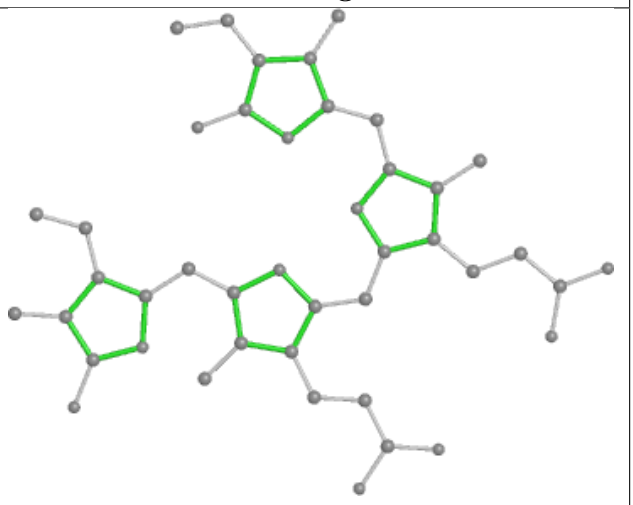
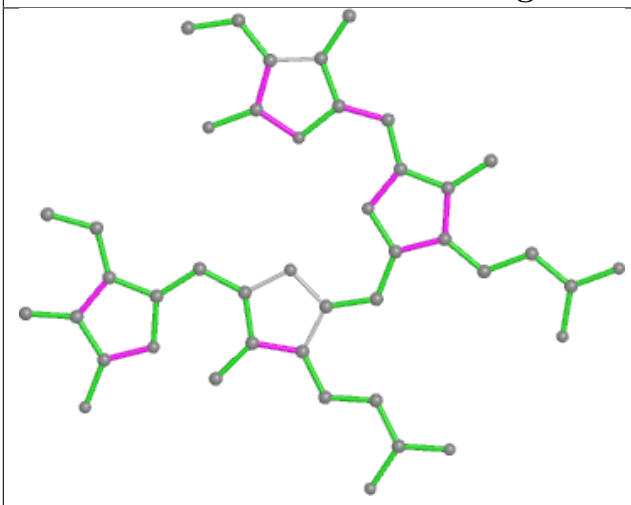


Rings

Ligand PUB b9 407



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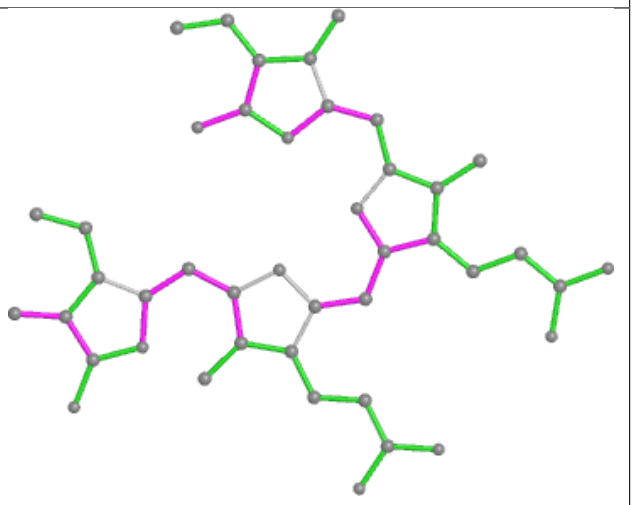

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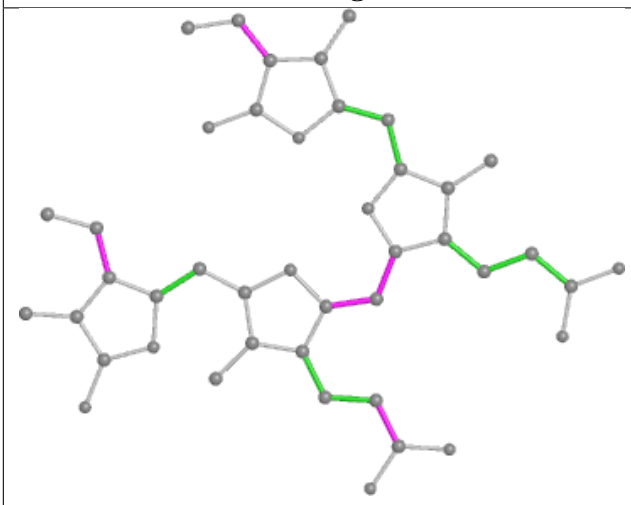

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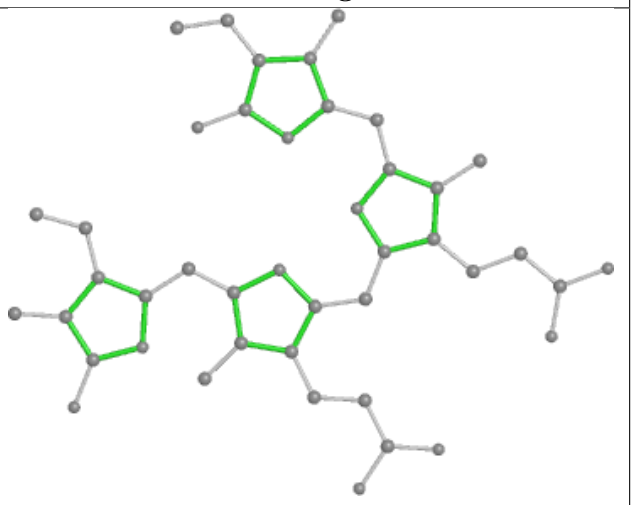
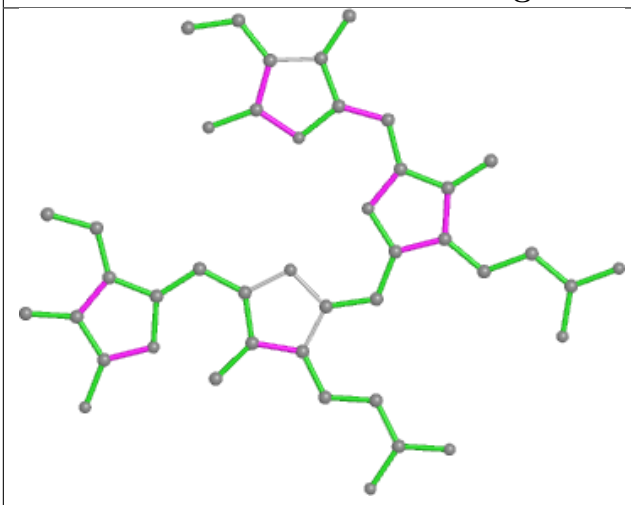


Rings

Ligand PUB cH 202



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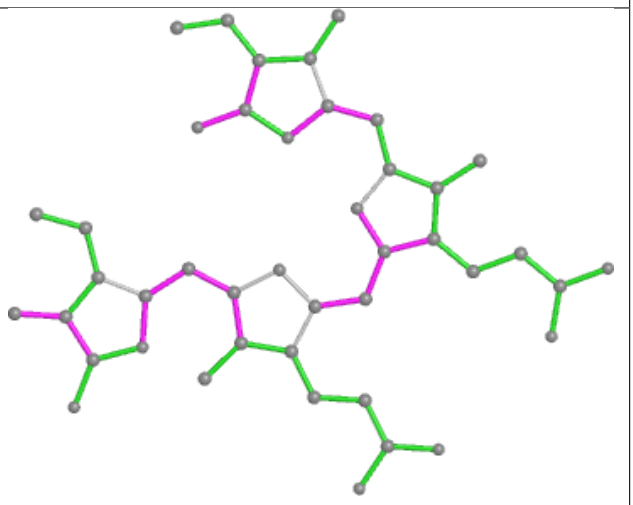

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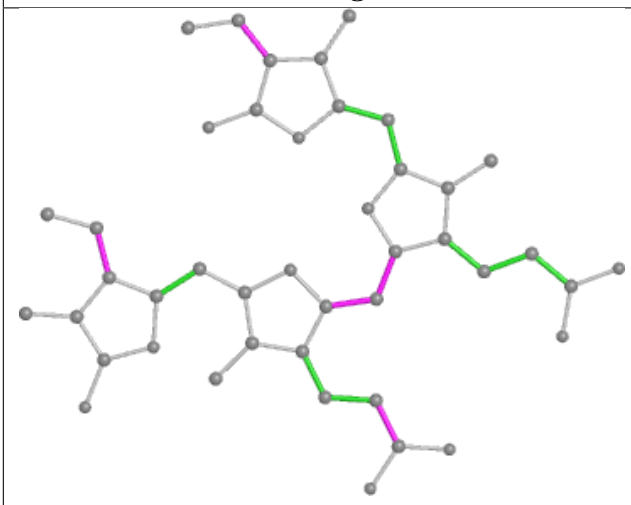

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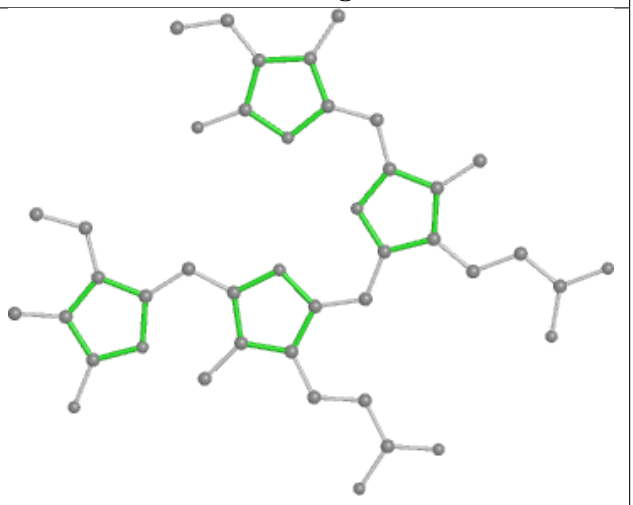

Rings

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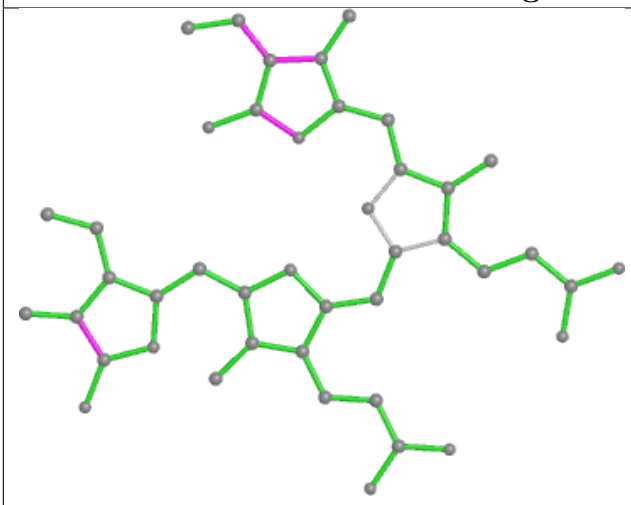

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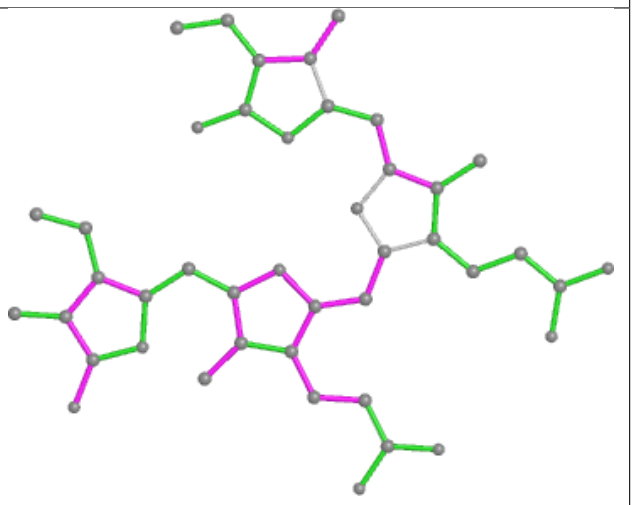

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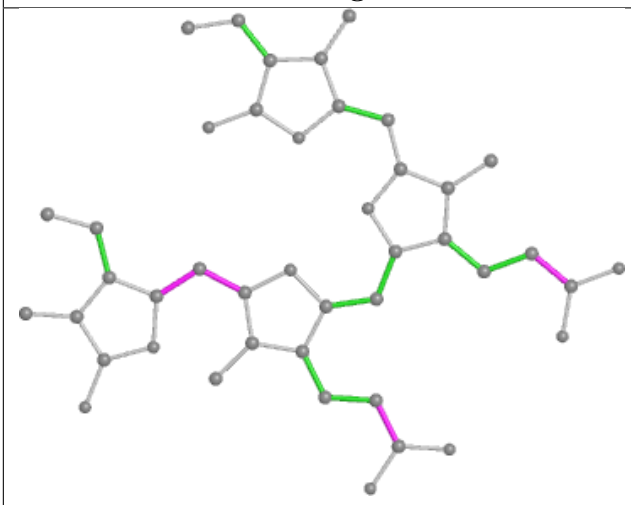

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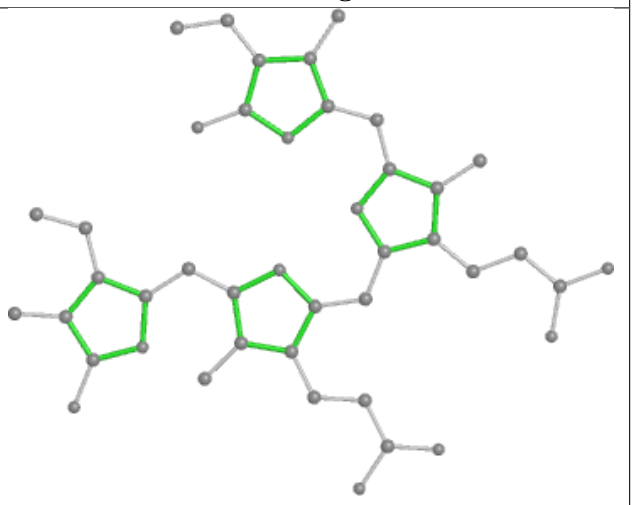

Rings

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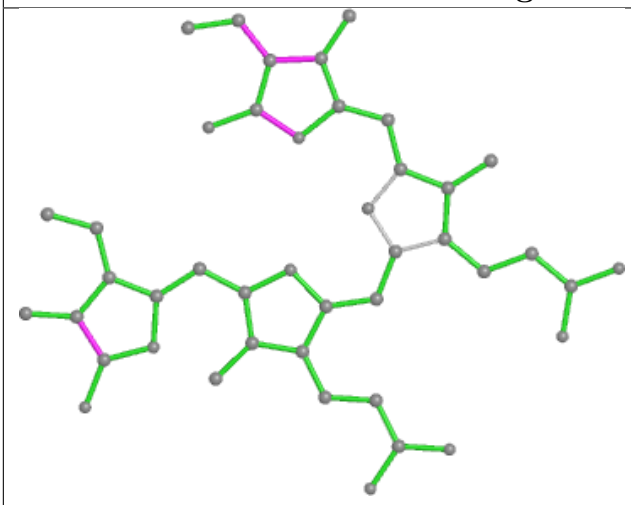

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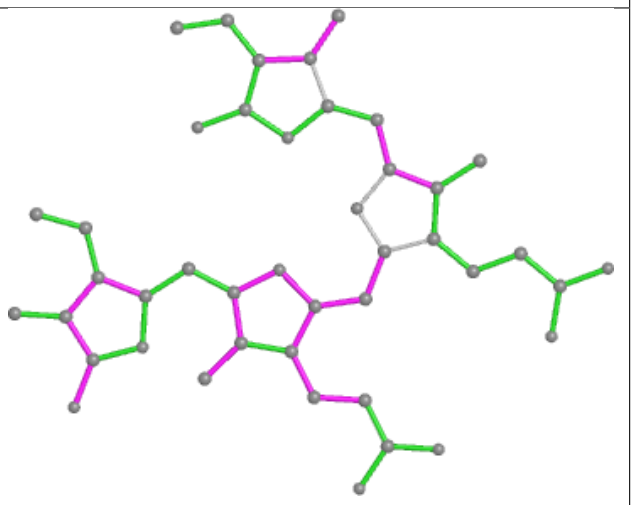

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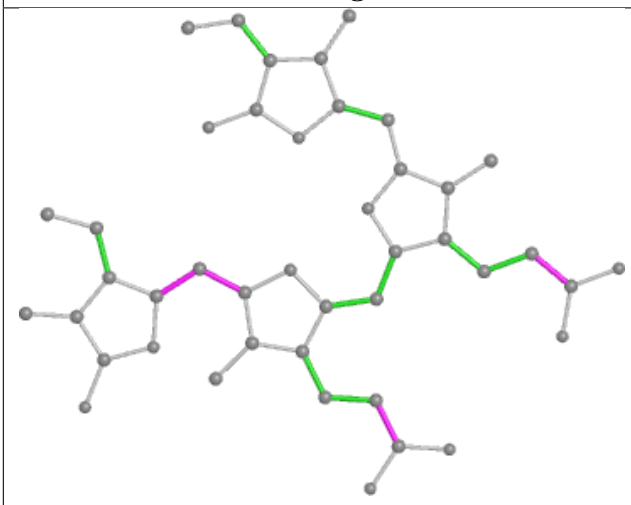

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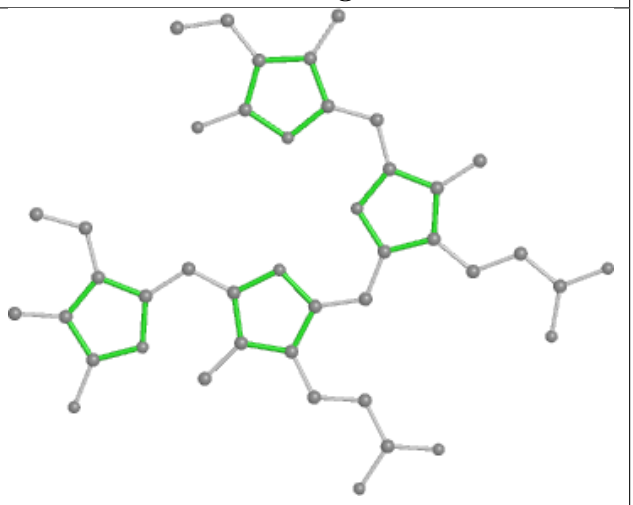

Rings

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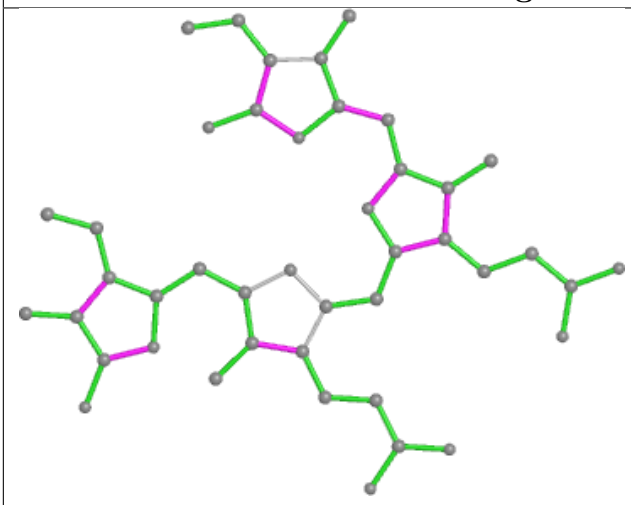

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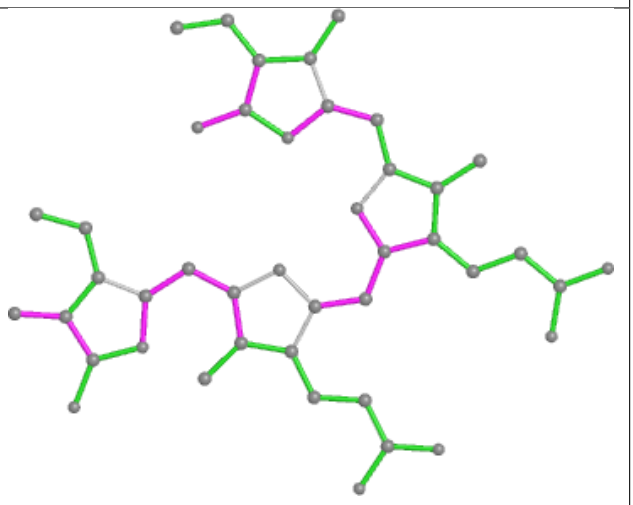

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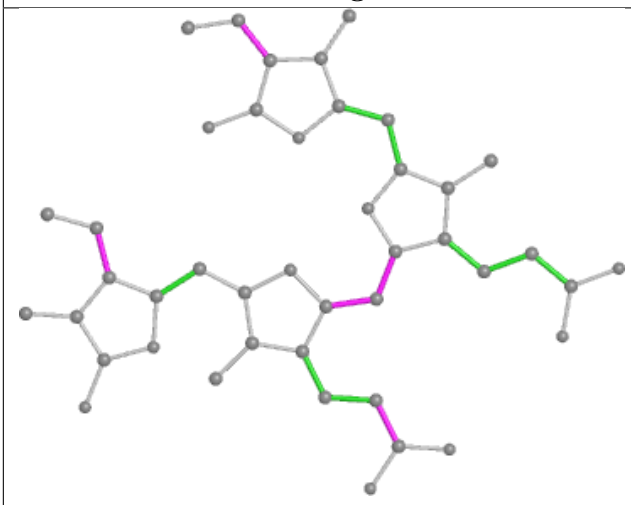

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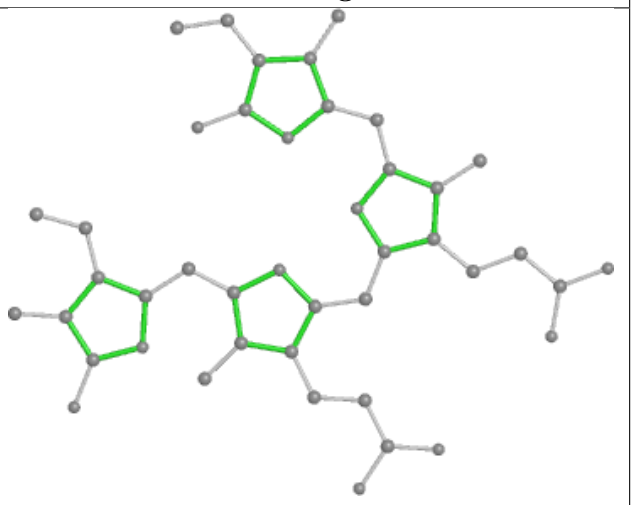
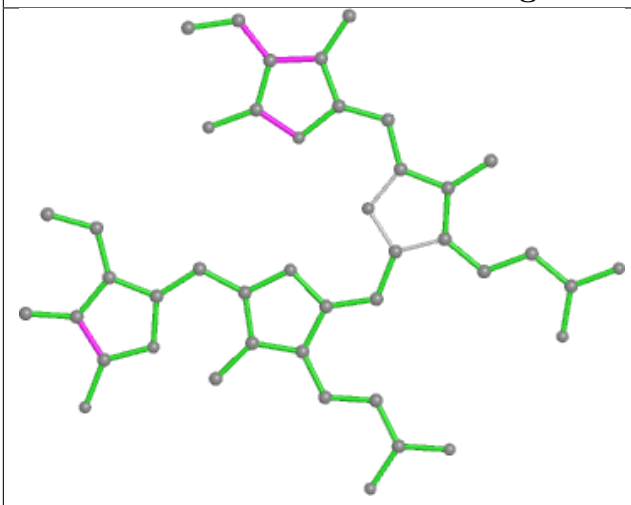


Rings

Ligand PEB x8 201



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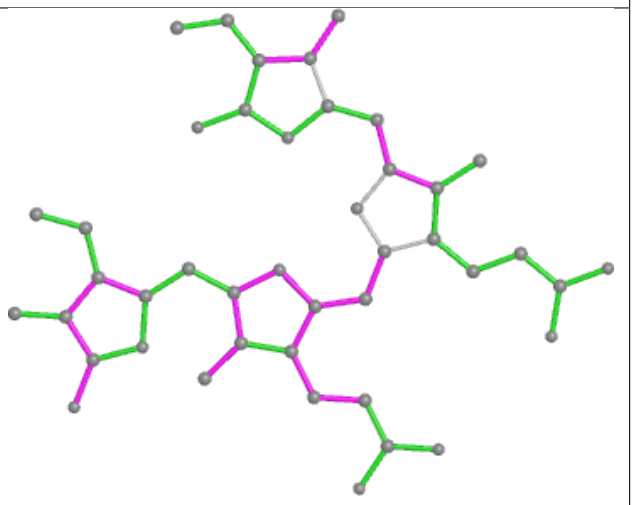

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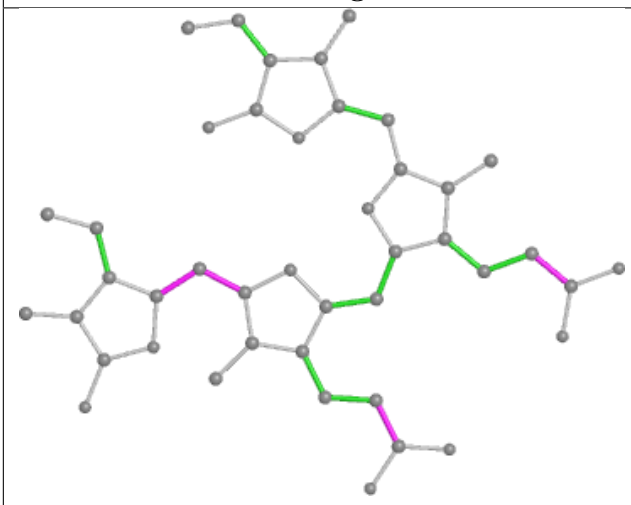

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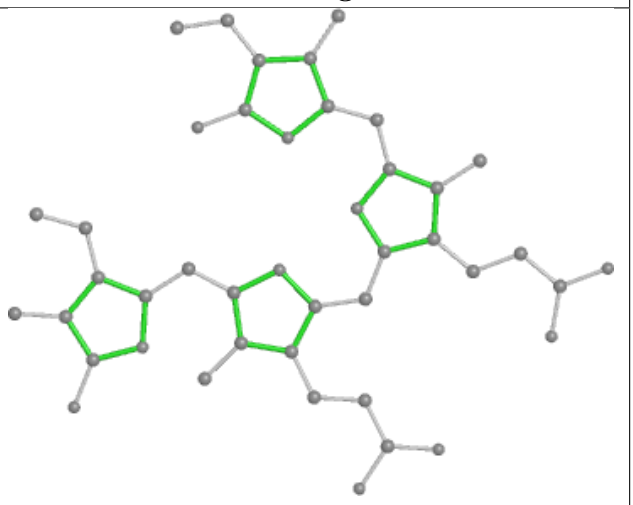

Rings

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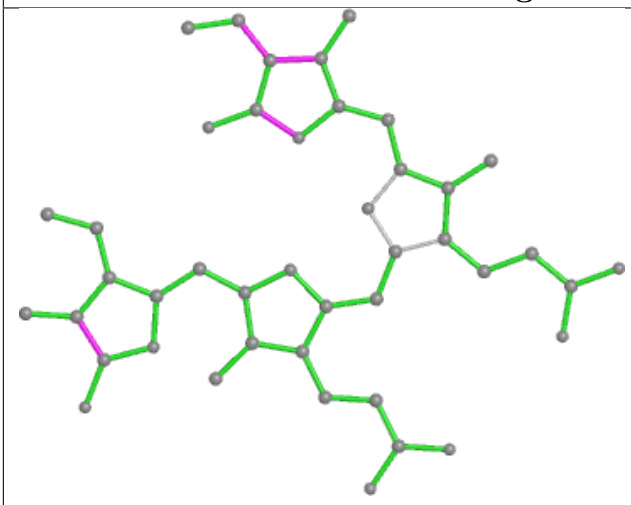

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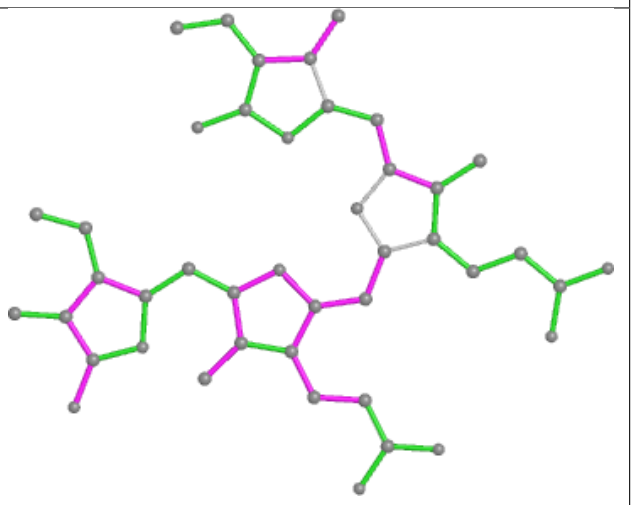

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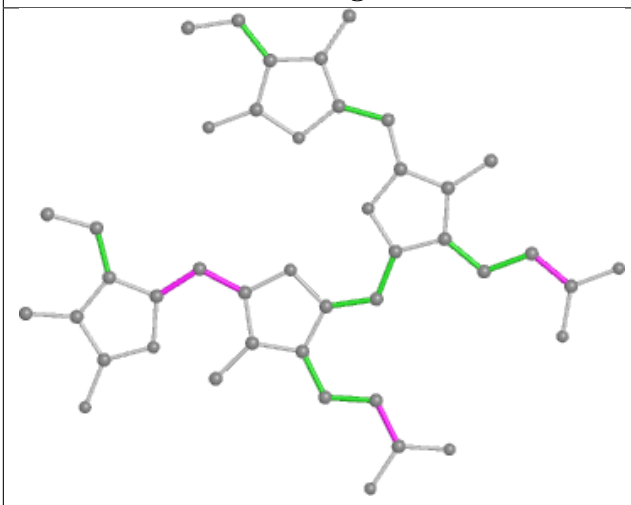

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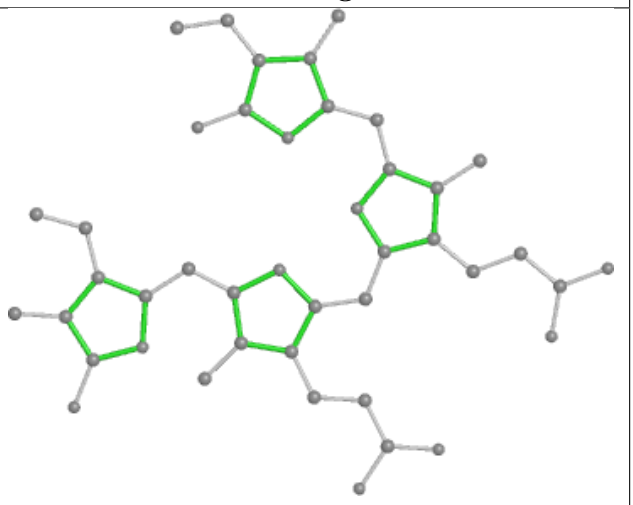

Rings

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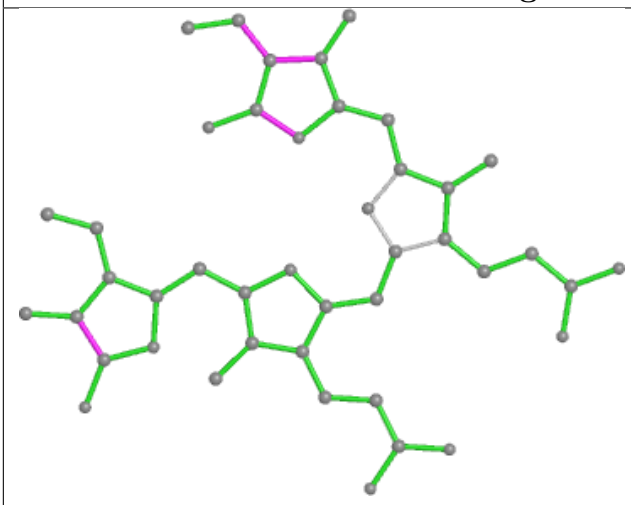

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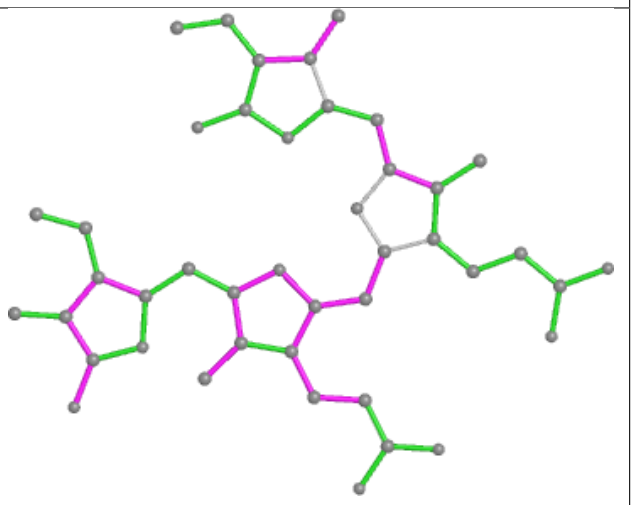

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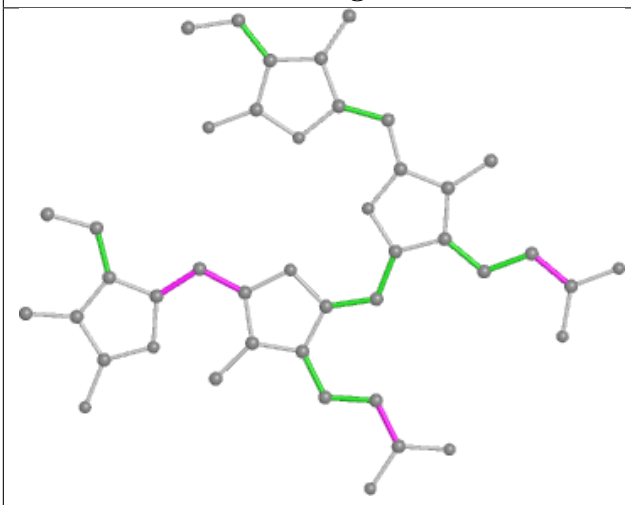

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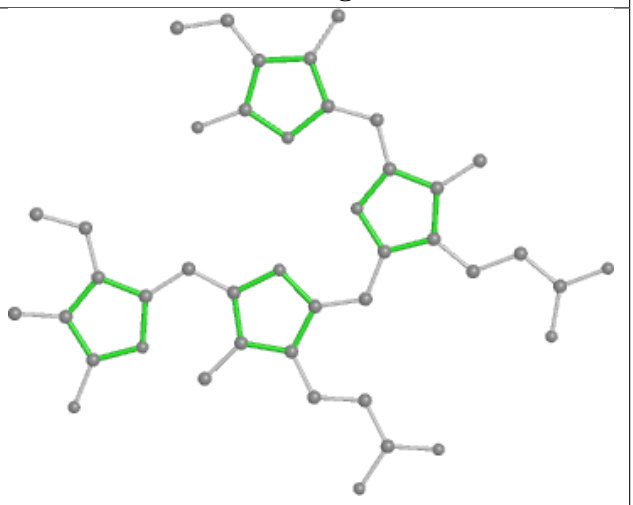

Rings

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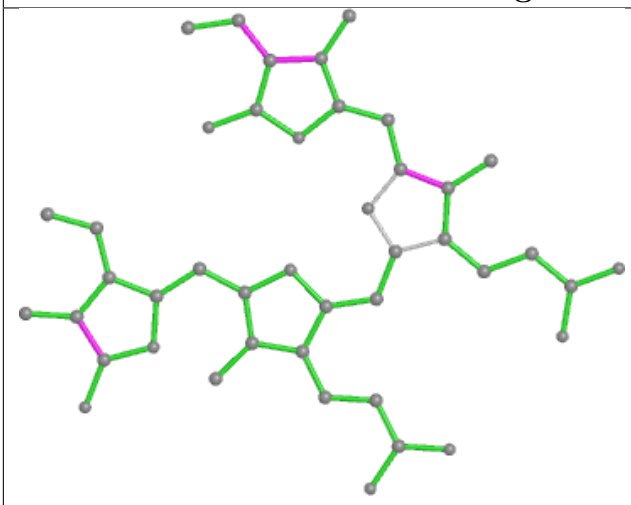

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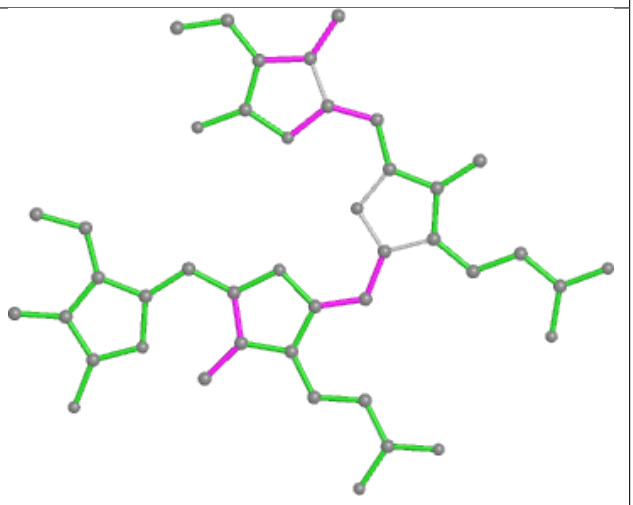

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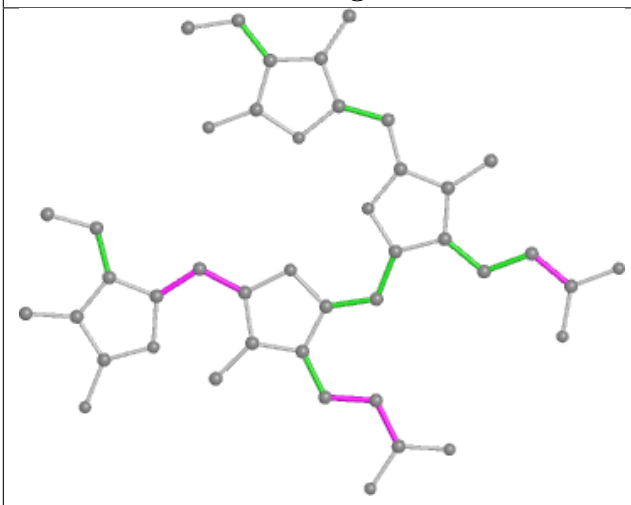

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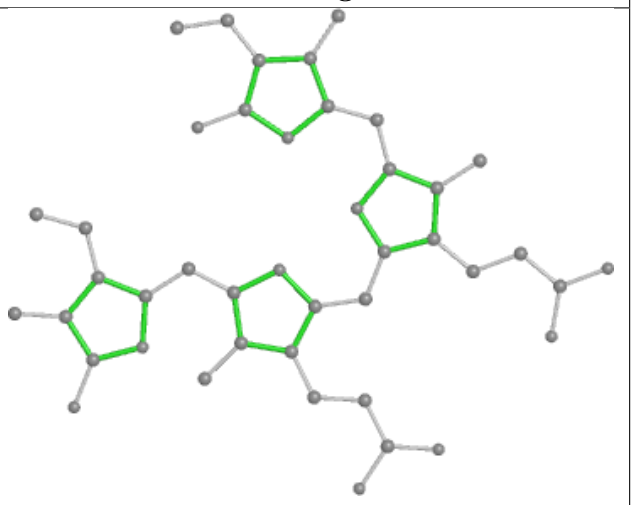

Rings

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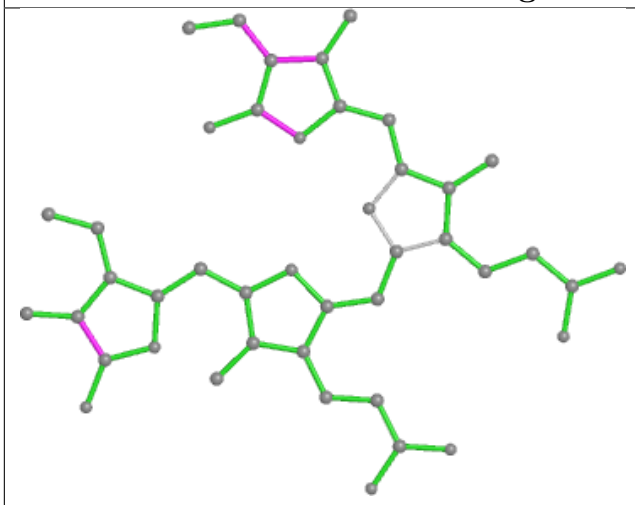

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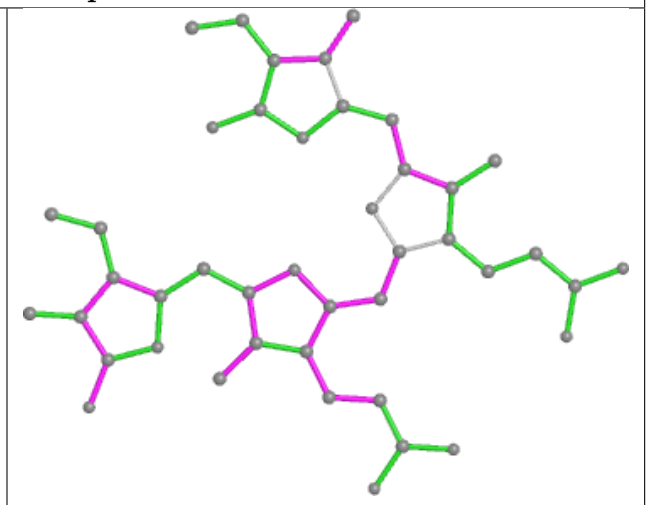

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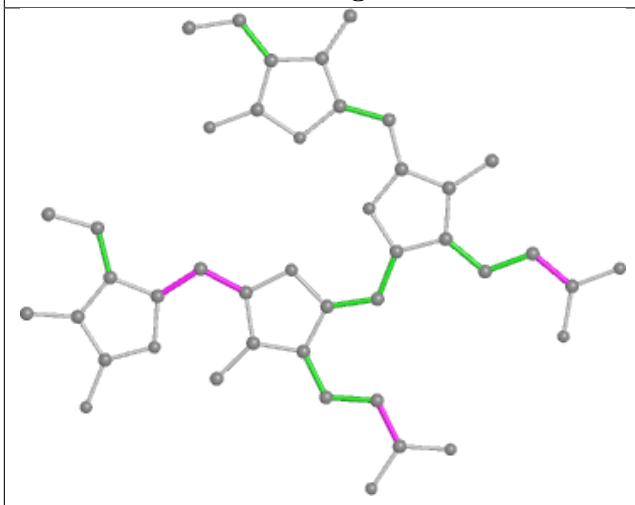

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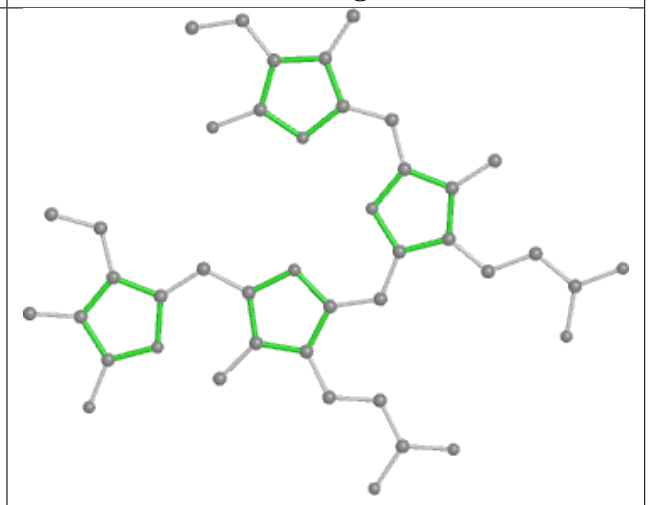
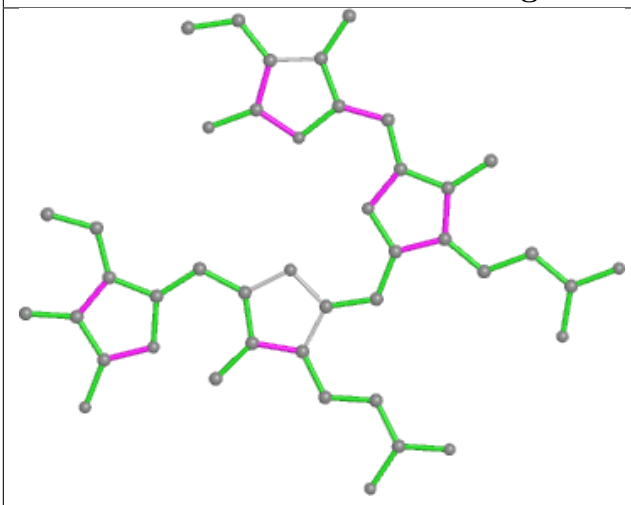


Rings

Ligand PUB et 203



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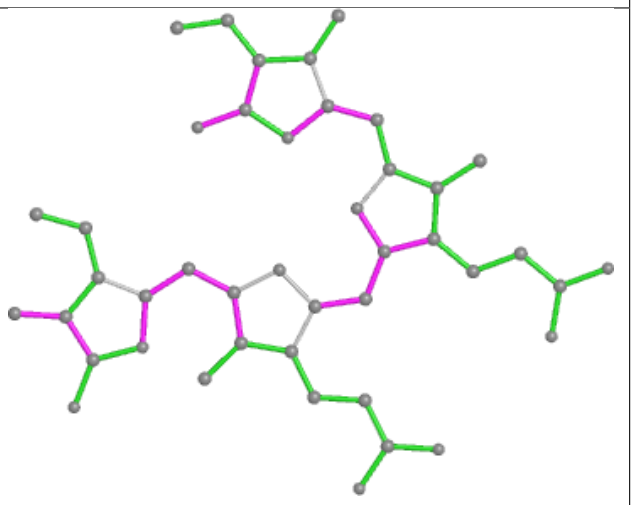

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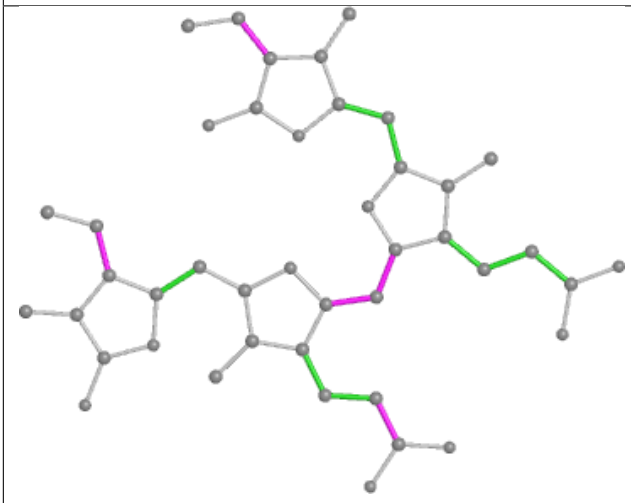

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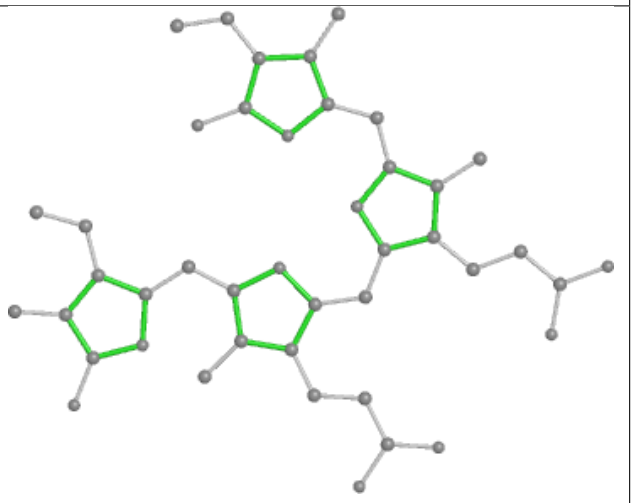
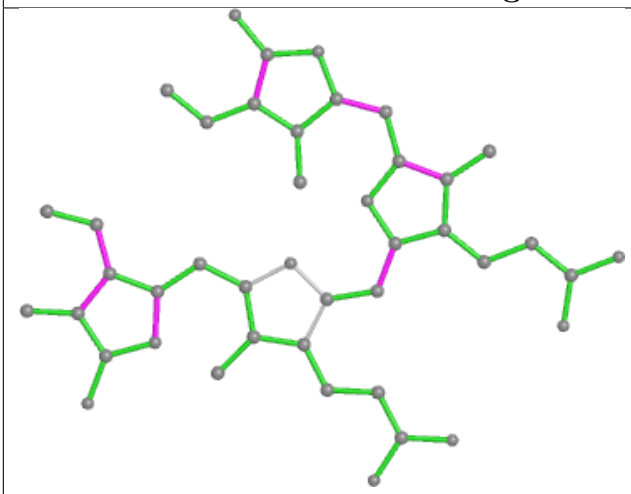


Rings

Ligand PVN U8 1004



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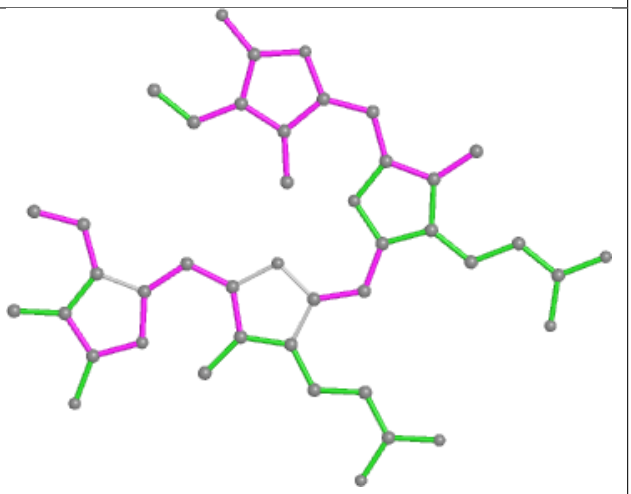
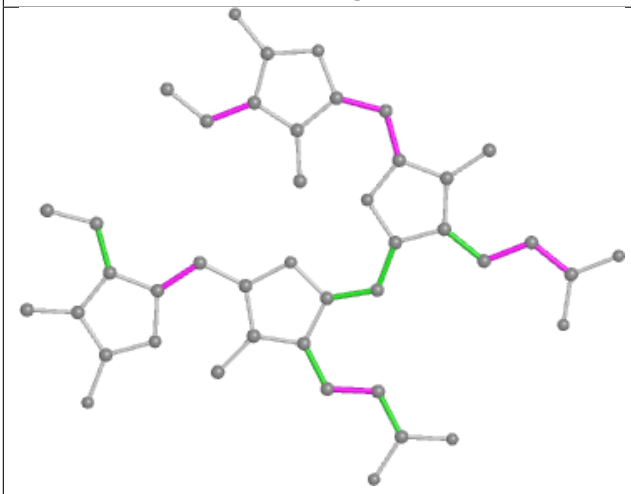
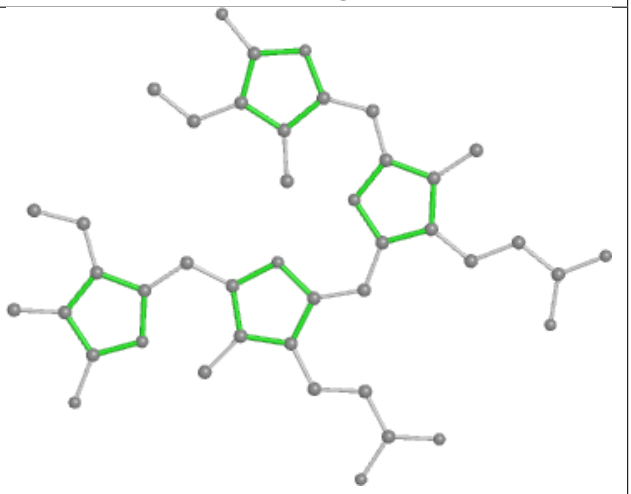


Bond angles

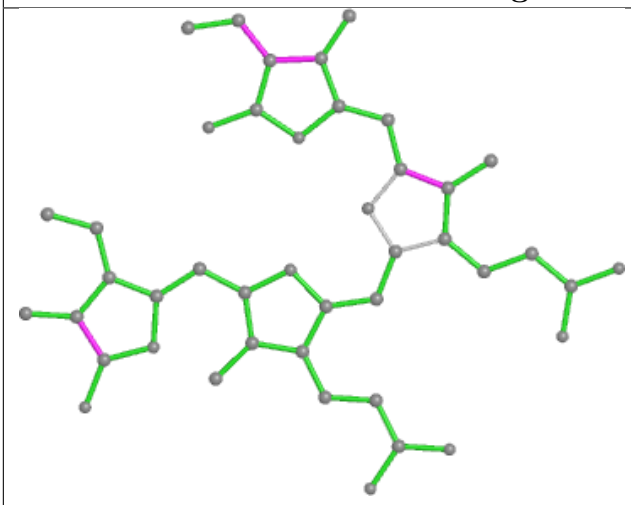


Torsions



Rings

Ligand PEB a3 1002



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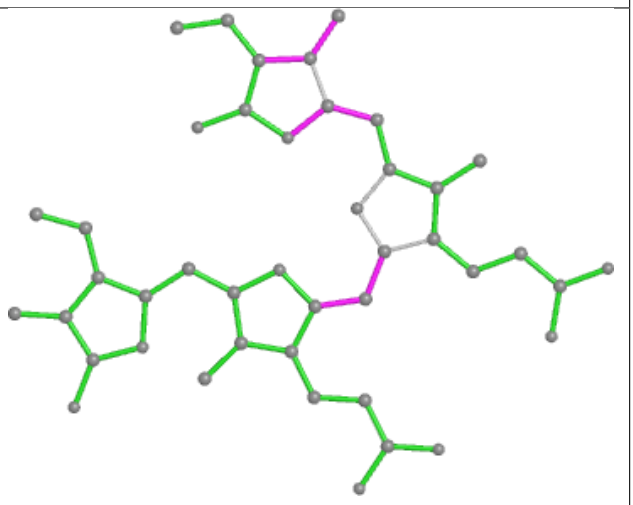

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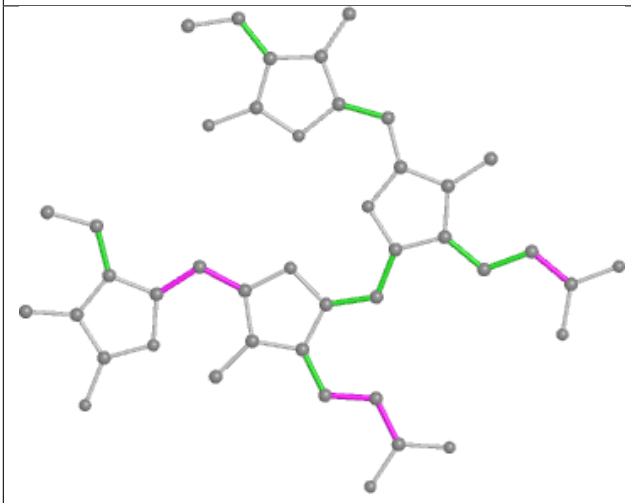

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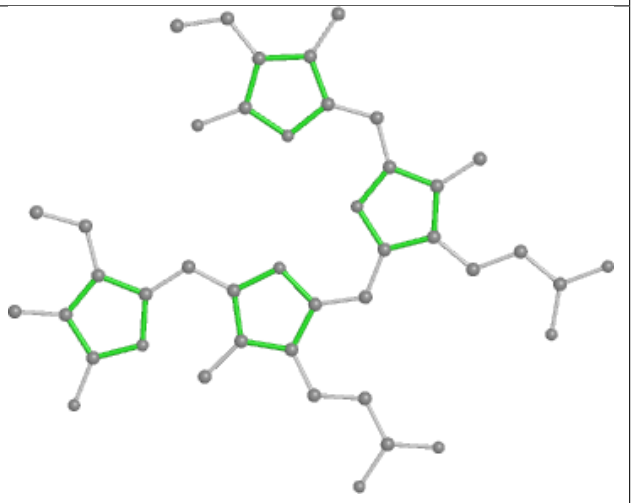
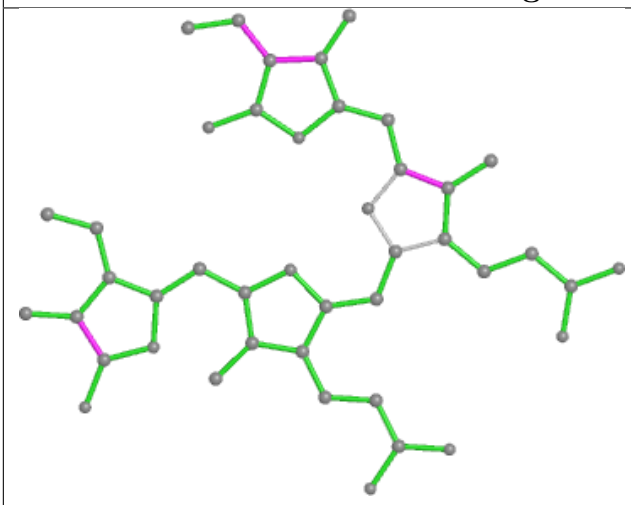


Rings

Ligand PEB fv 202



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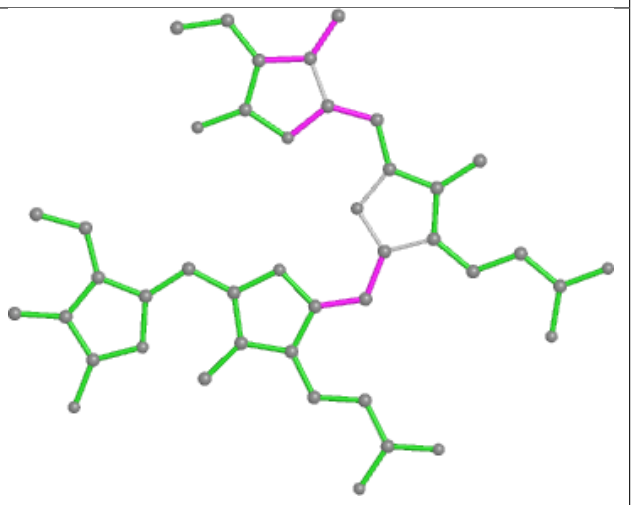

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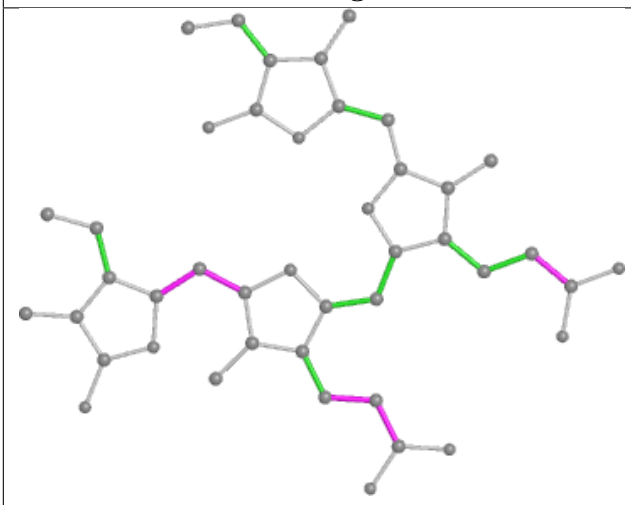

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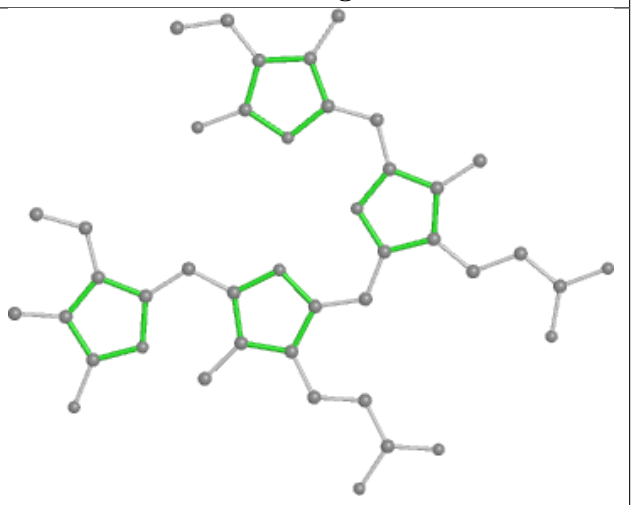

Rings

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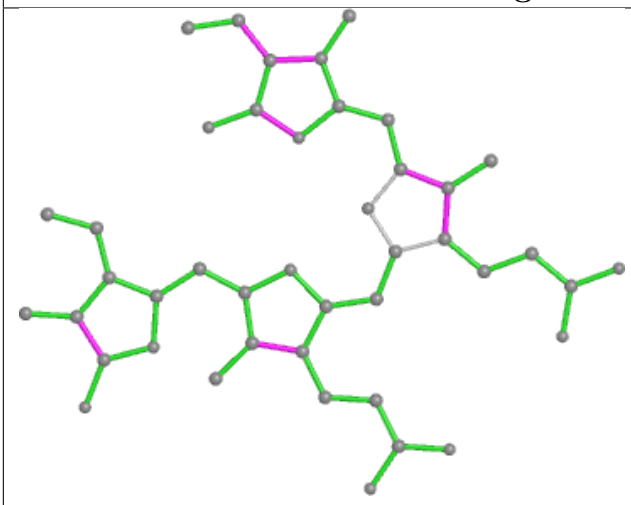

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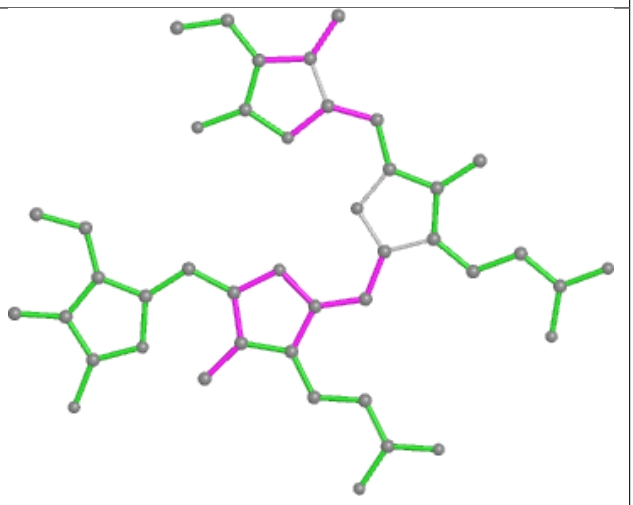
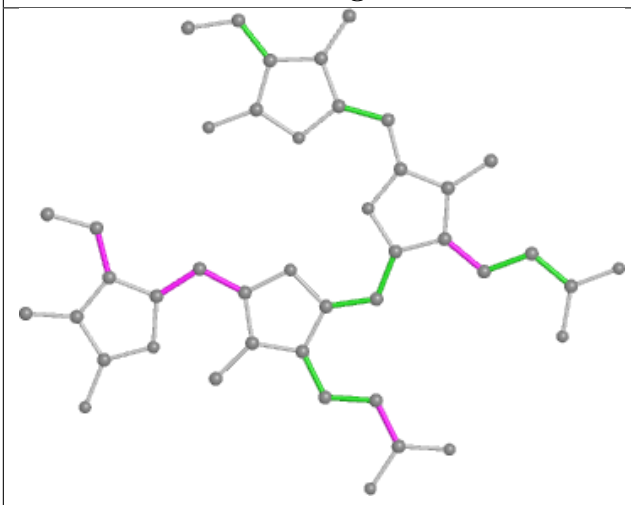


Bond angles



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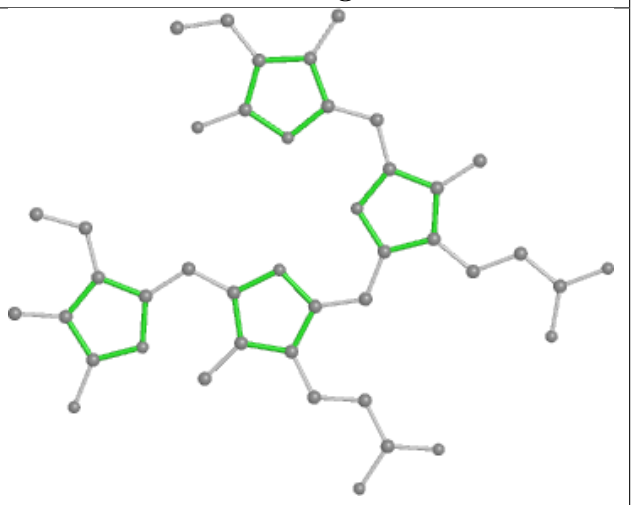
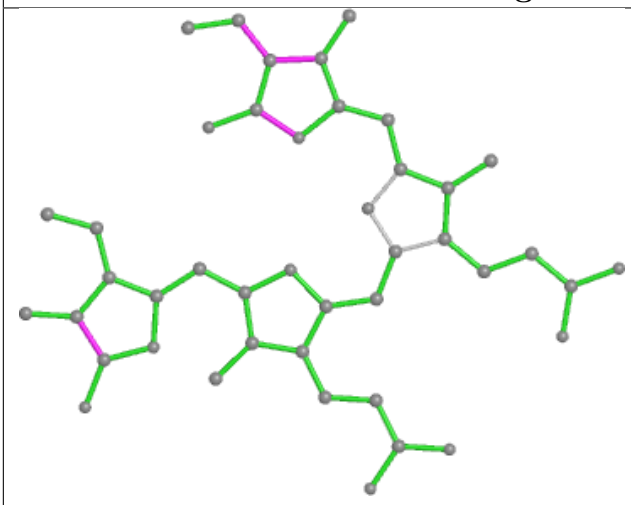


Rings

Ligand PEB D4 201



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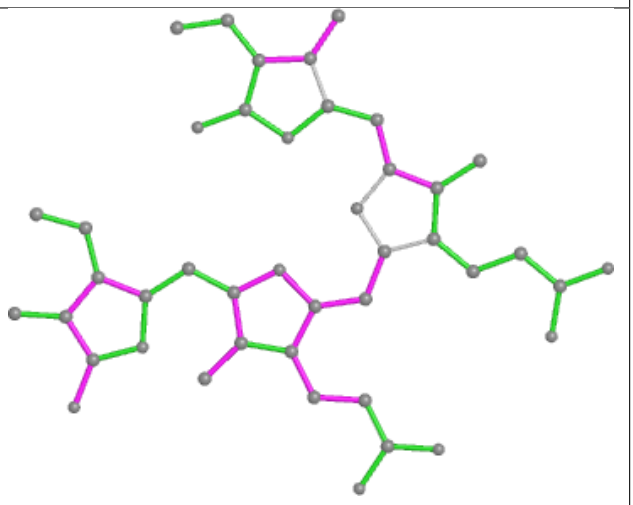

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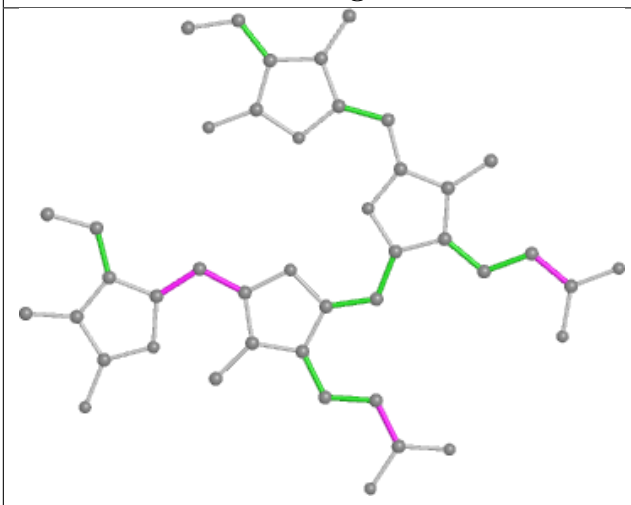

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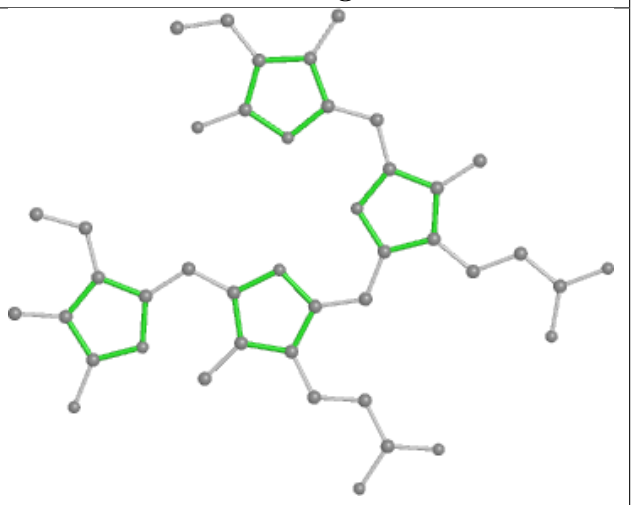
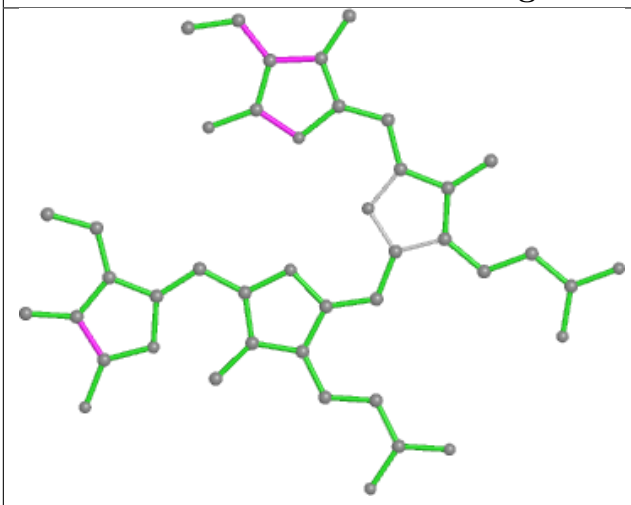


Rings

Ligand PEB dv 201



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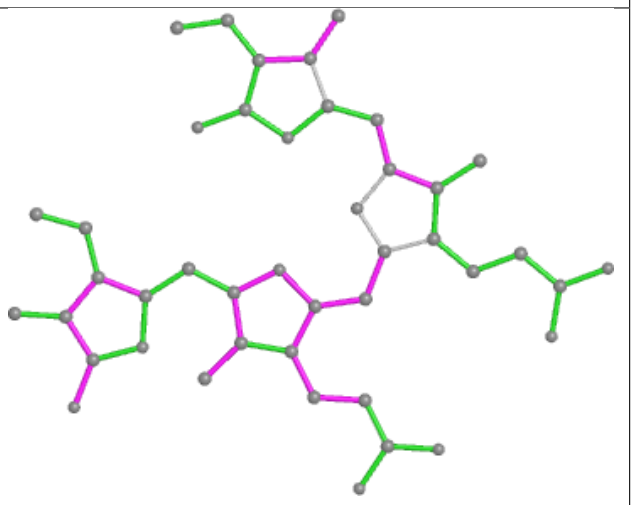

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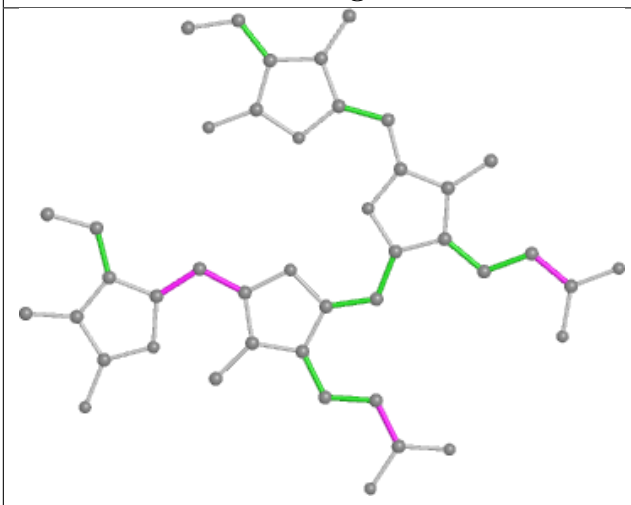

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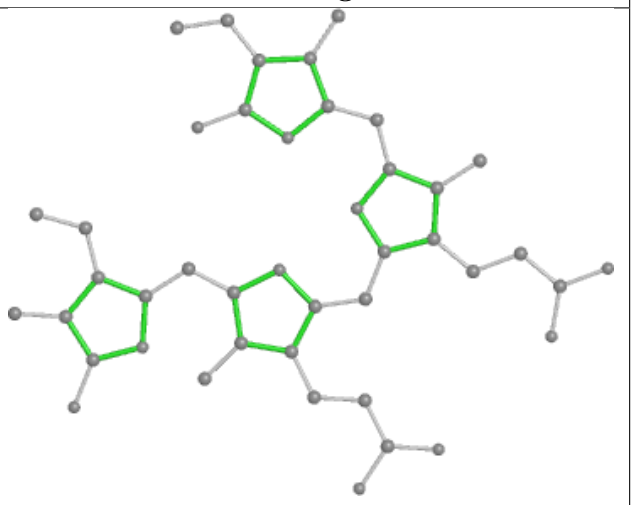
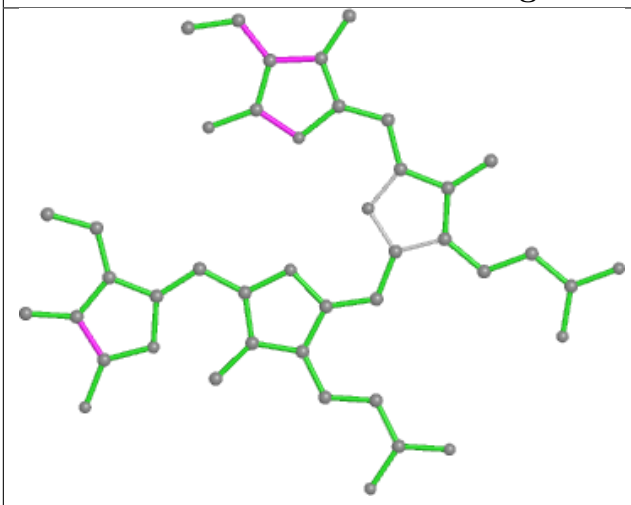


Rings

Ligand PEB J3 201



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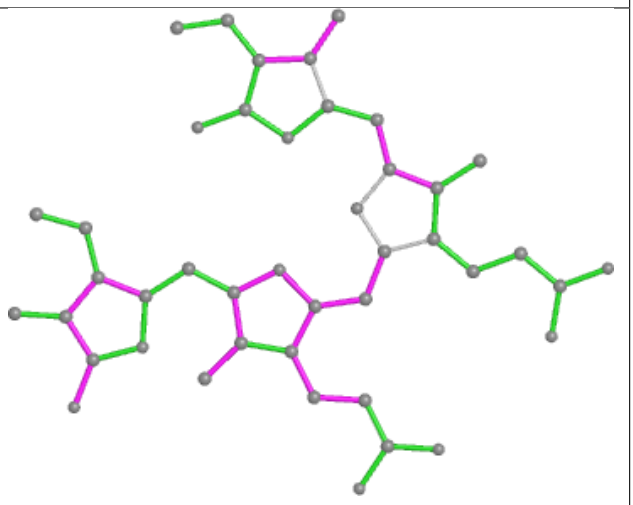

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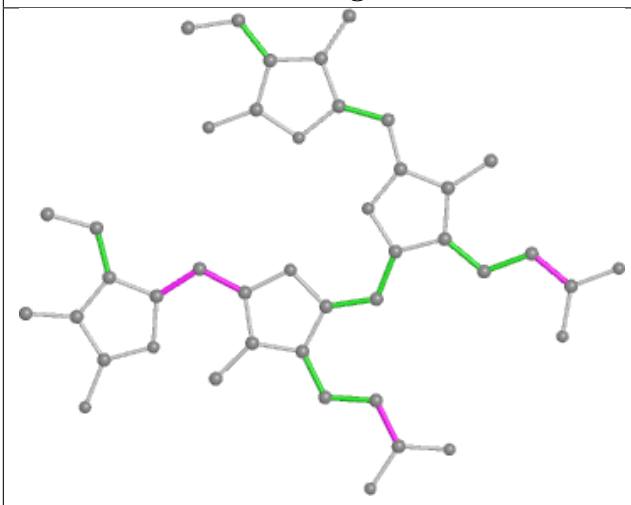

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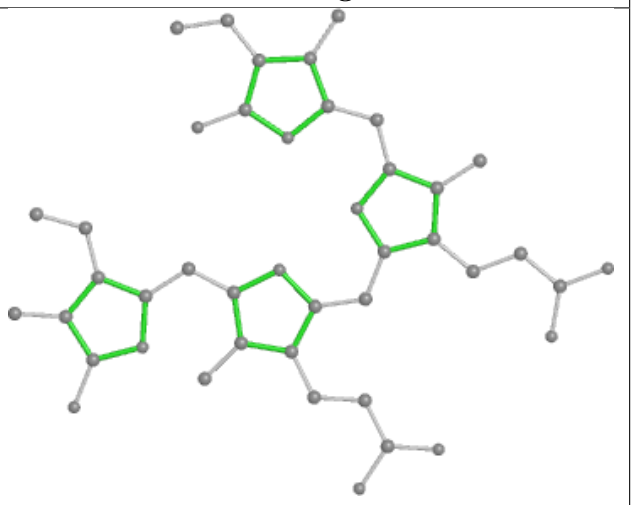
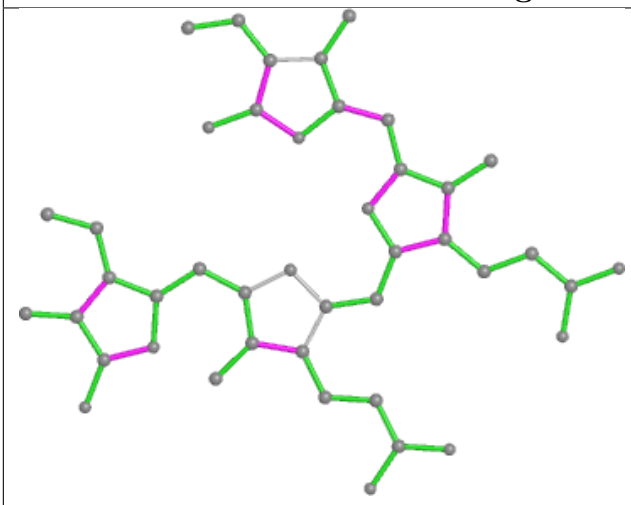


Rings

Ligand PUB E8 203



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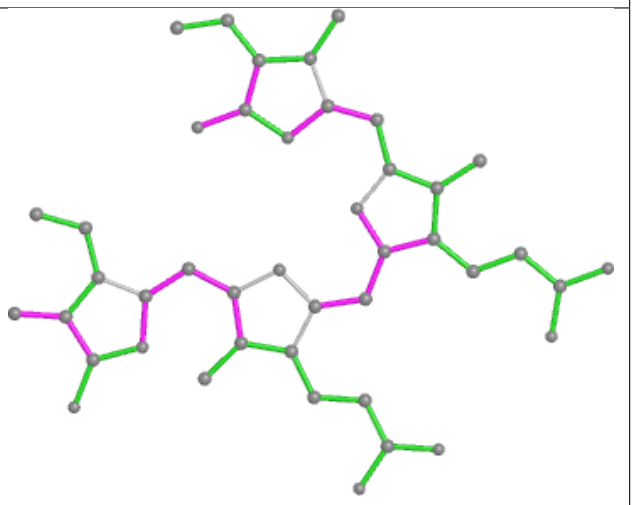

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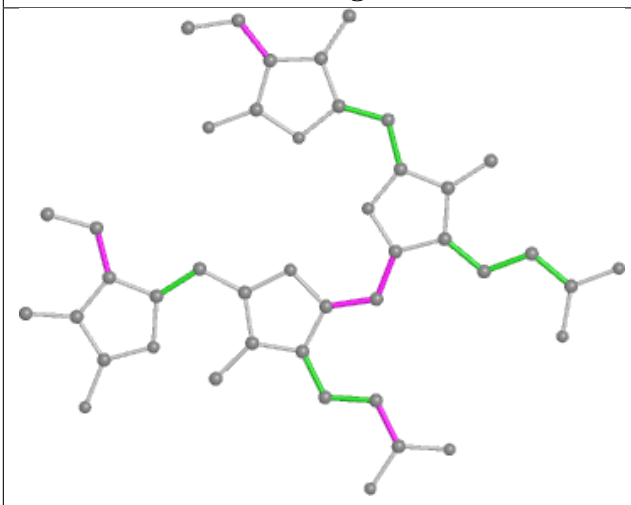

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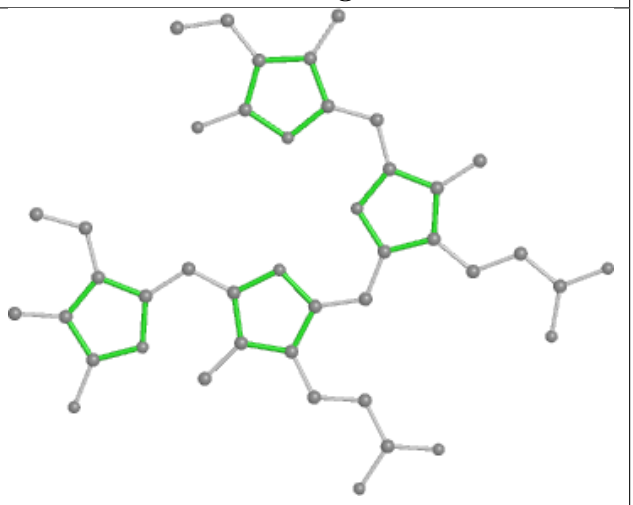
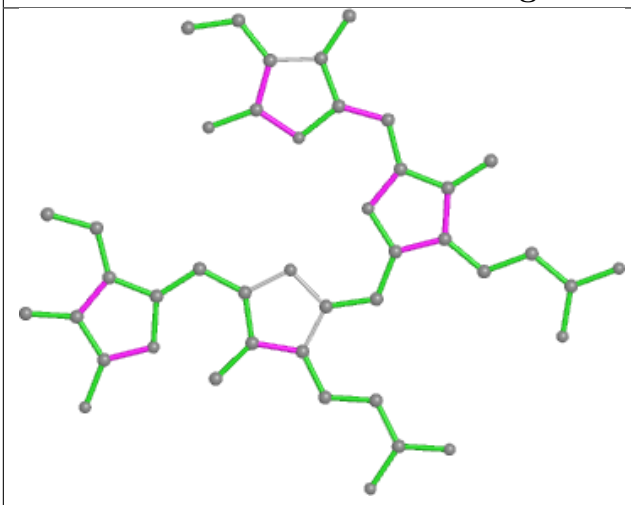


Rings

Ligand PUB r3 203



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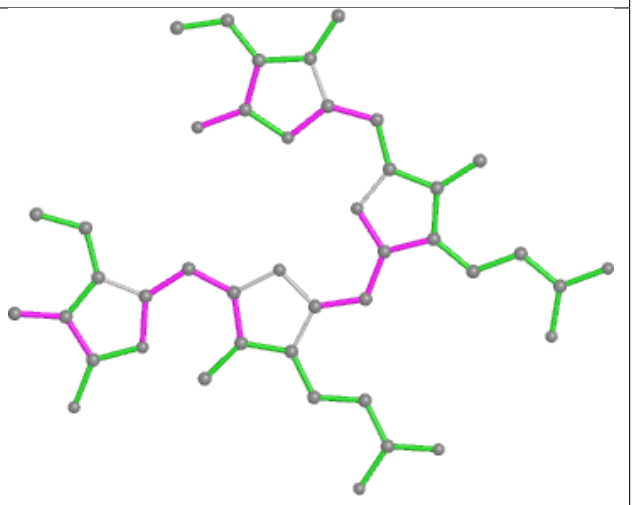

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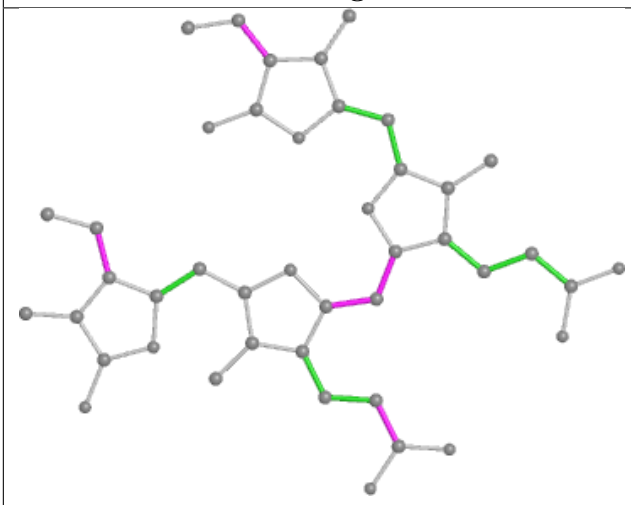

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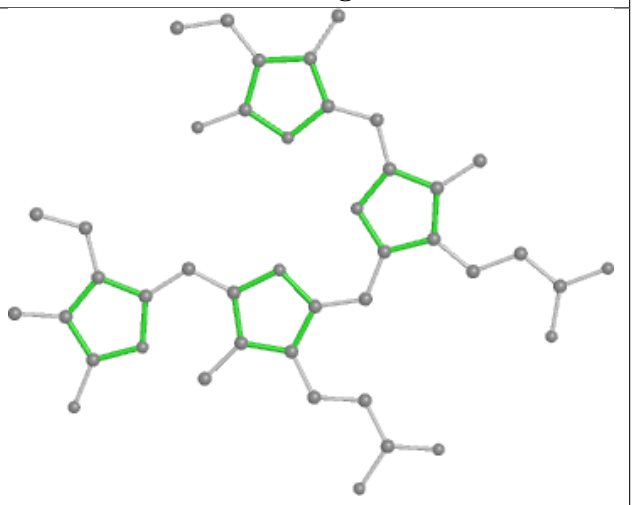
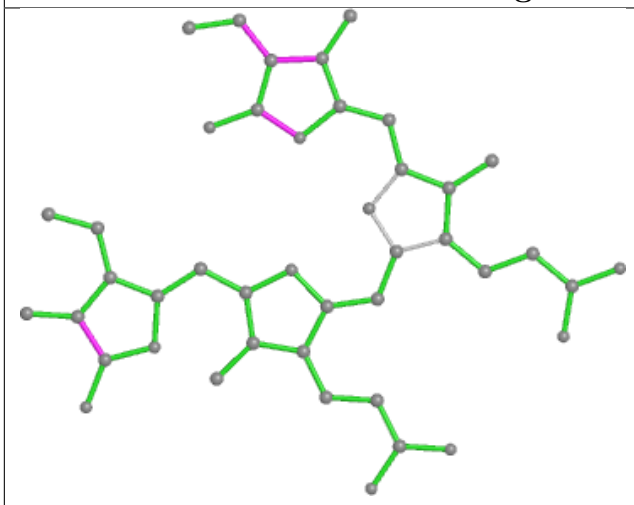


Rings

Ligand PEB m8 202



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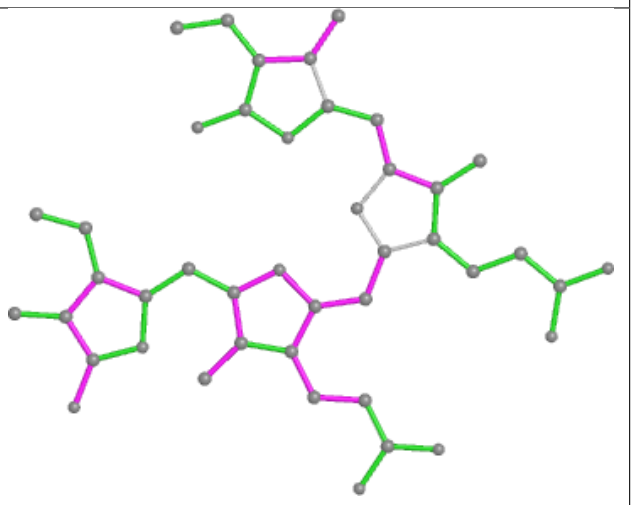

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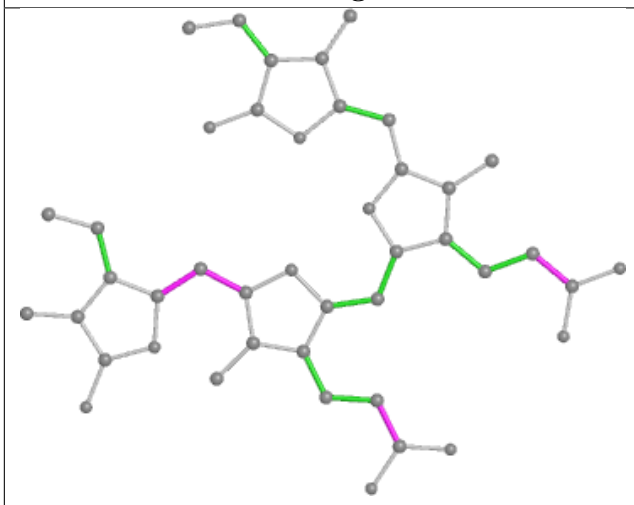

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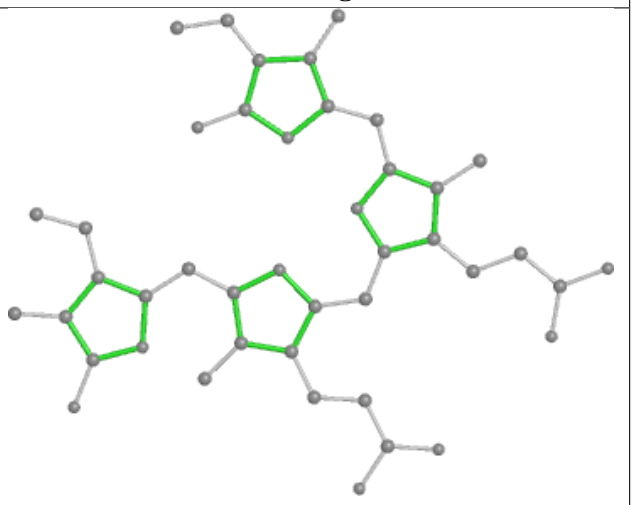
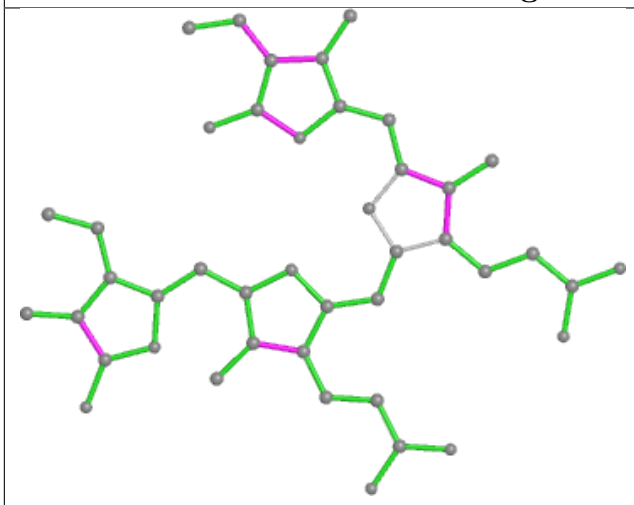


Rings

Ligand PEB g4 202



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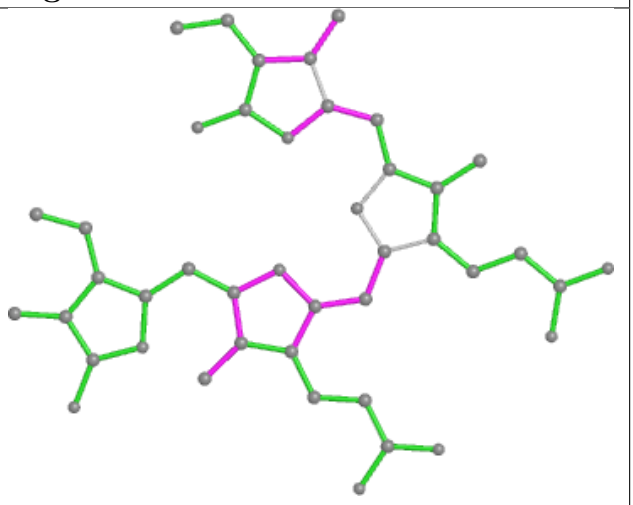

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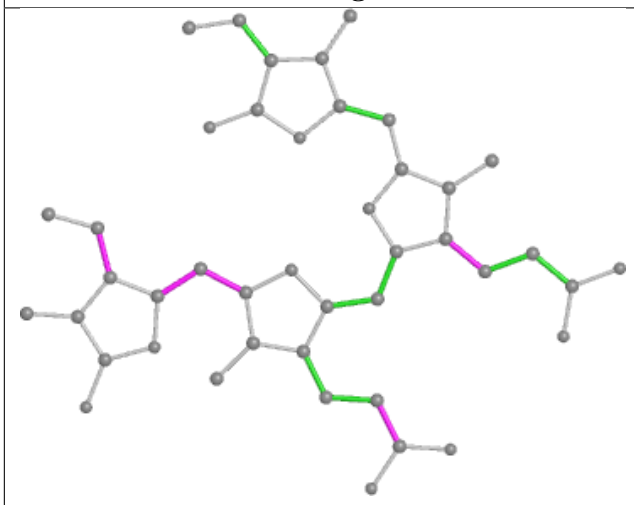

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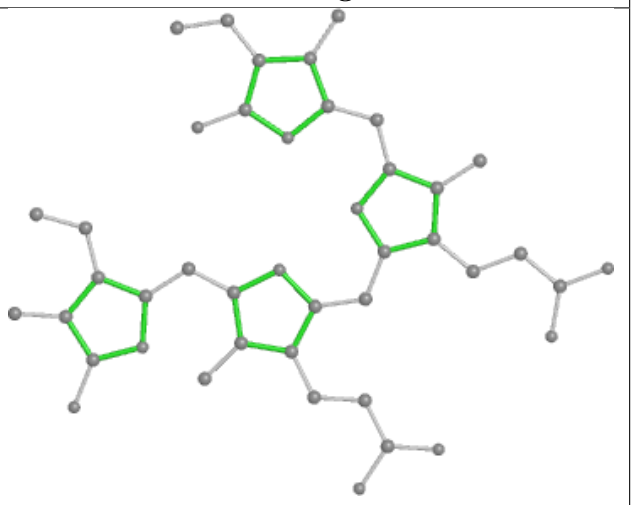
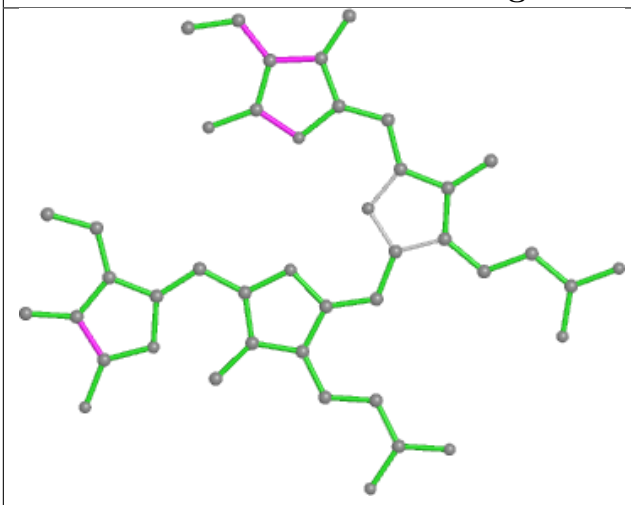


Rings

Ligand PEB cT 1002



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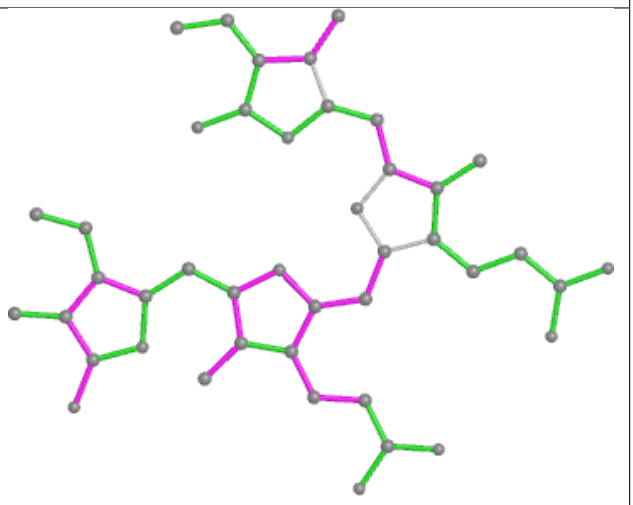

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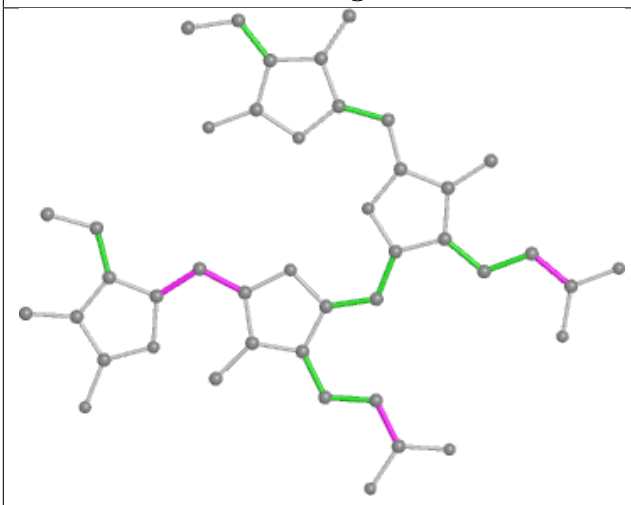

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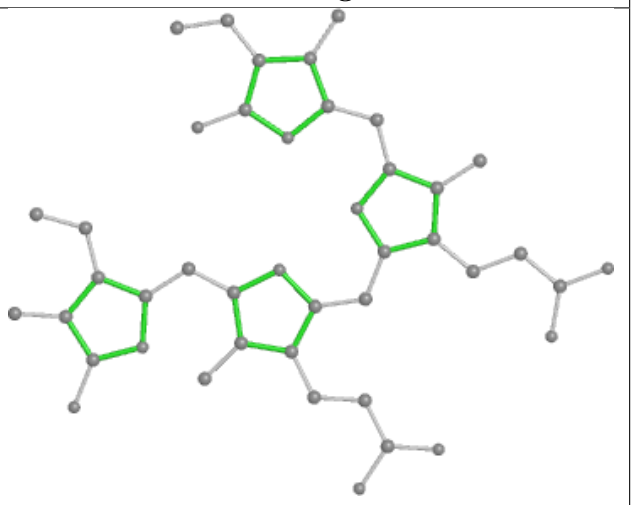
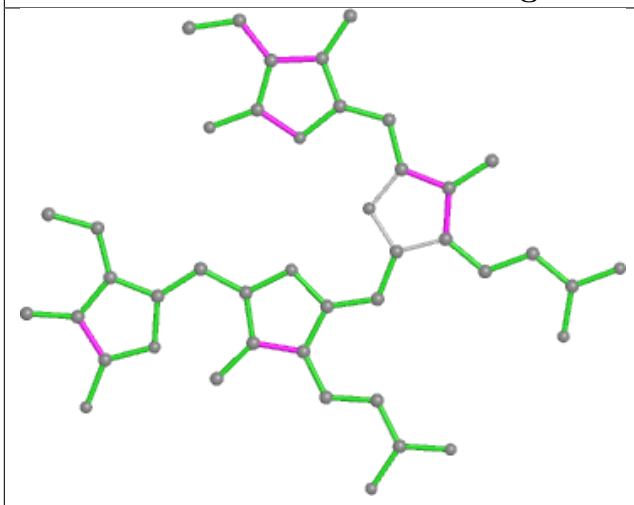


Rings

Ligand PEB J7 201



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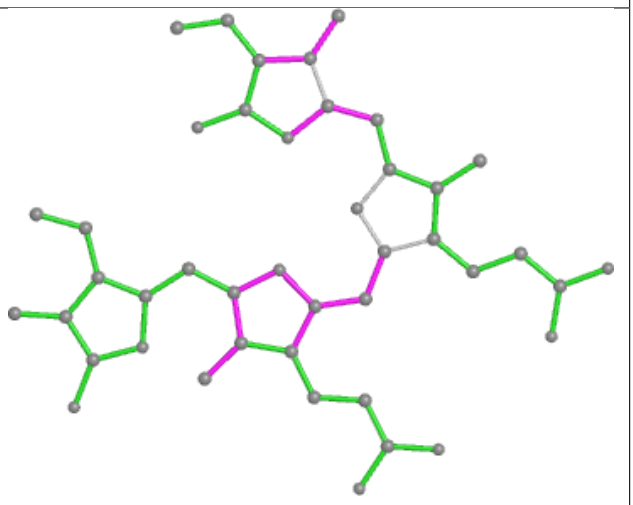

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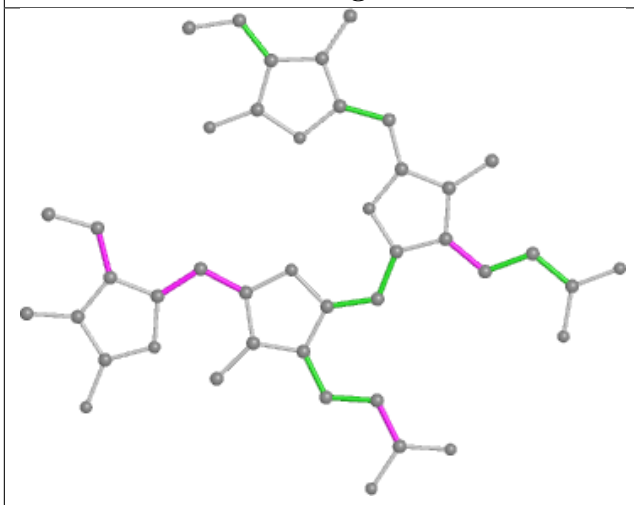

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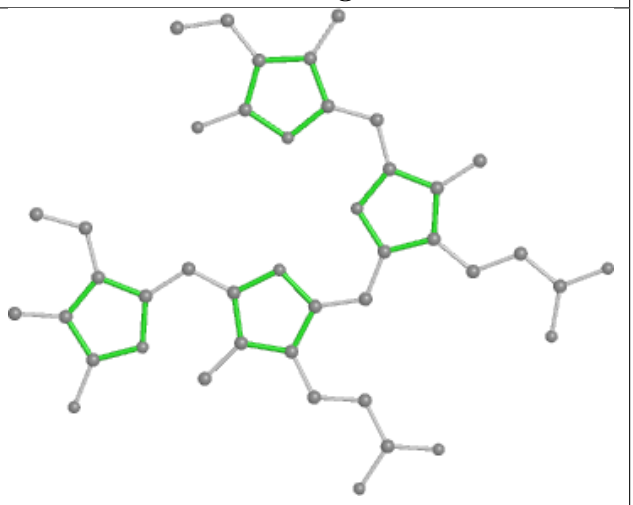
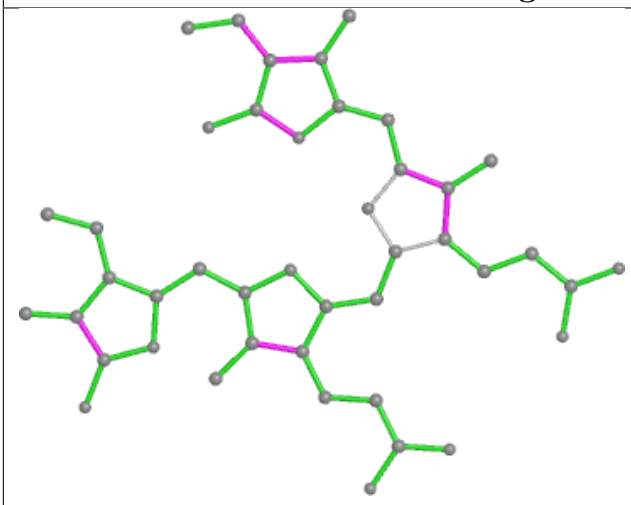


Rings

Ligand PEB eL 202



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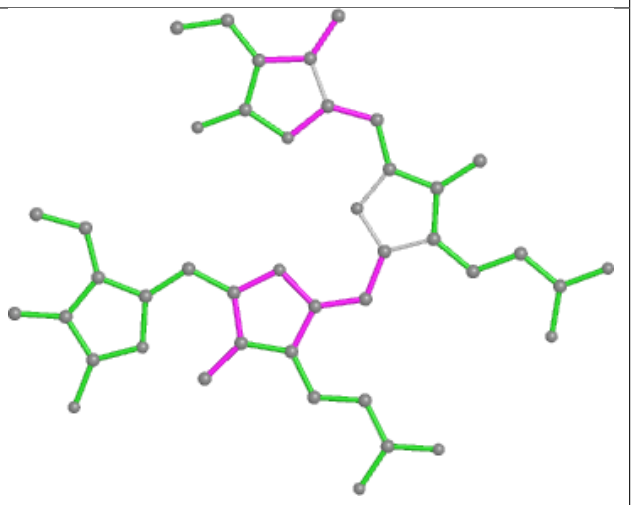
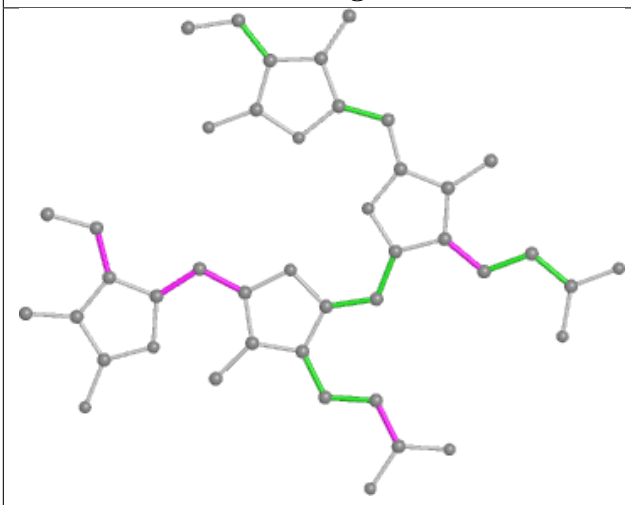
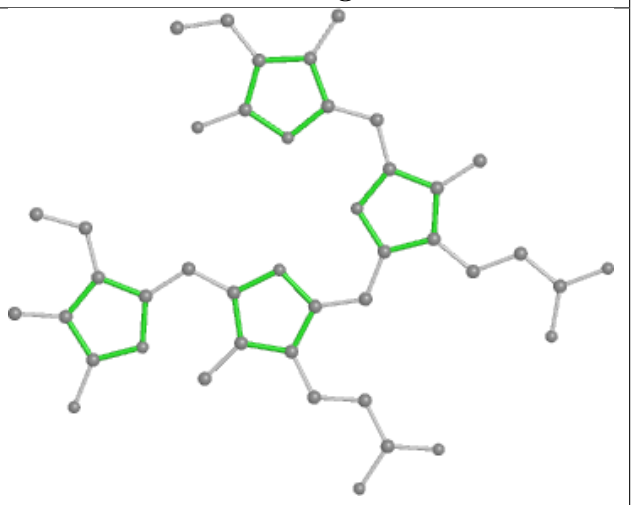


Bond angles

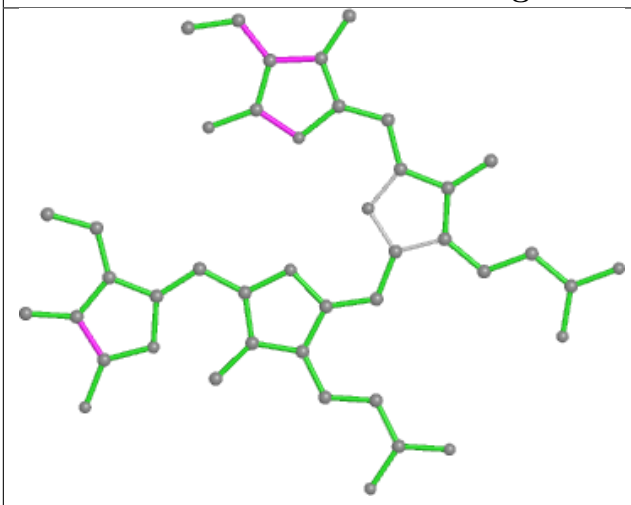


Torsions



Rings

Ligand PEB ca 1001



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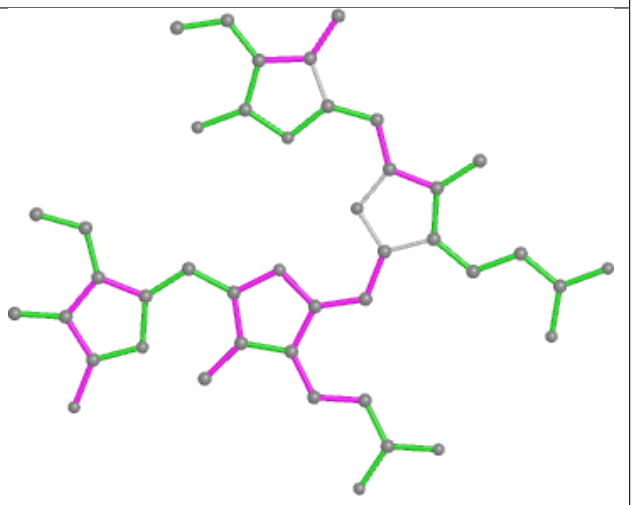

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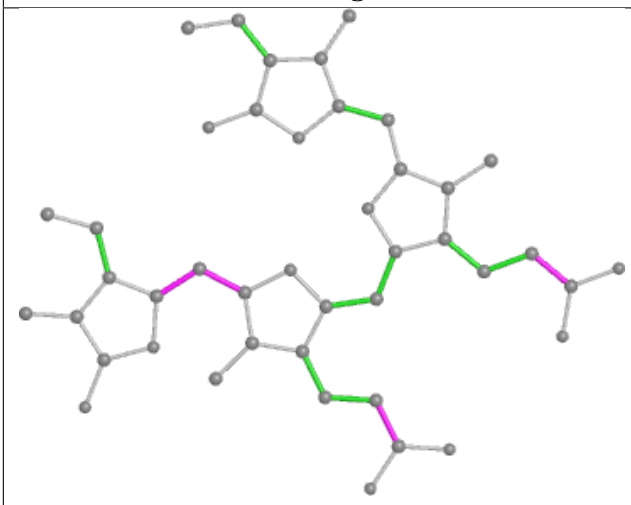

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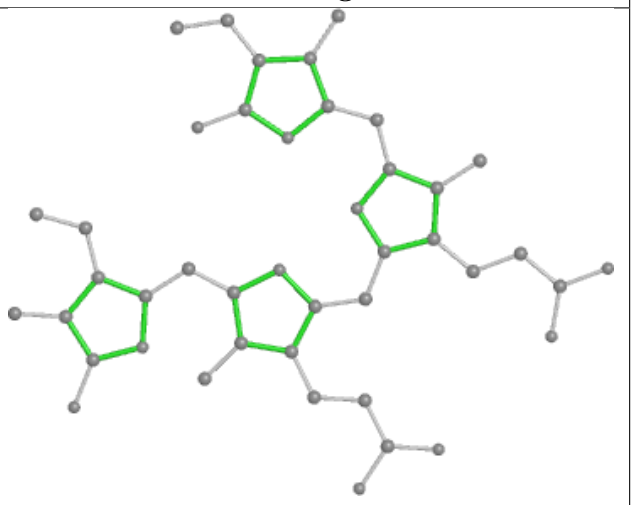
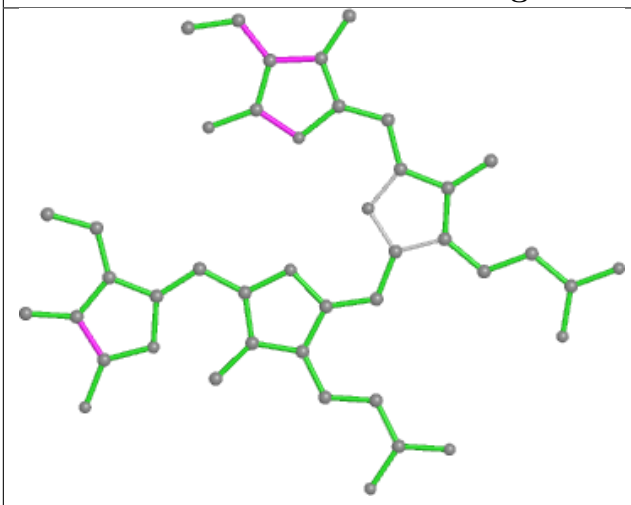


Rings

Ligand PEB 34 1007



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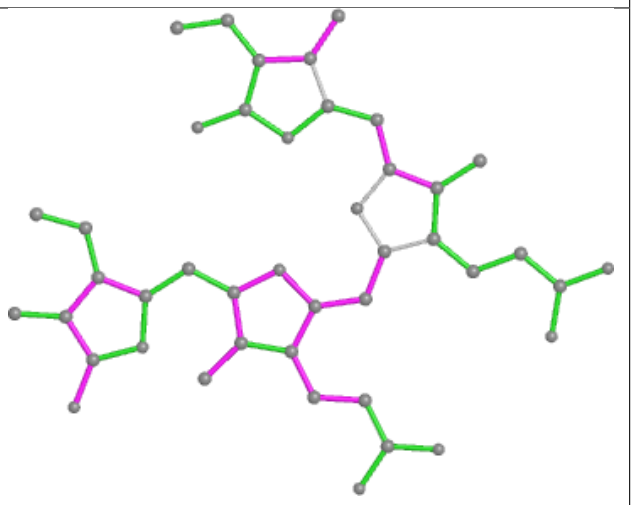

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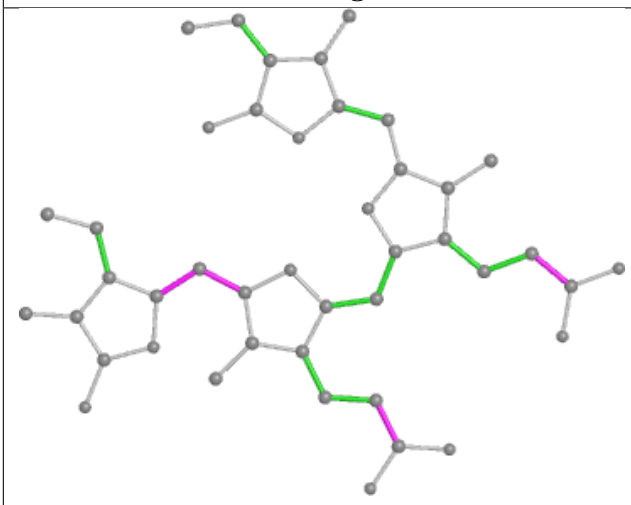

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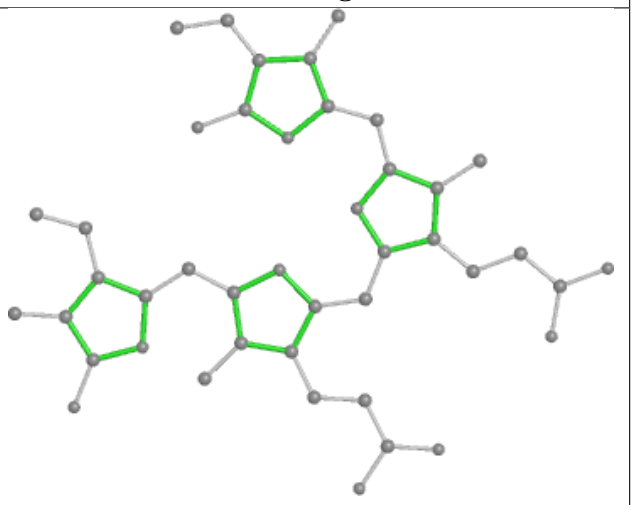
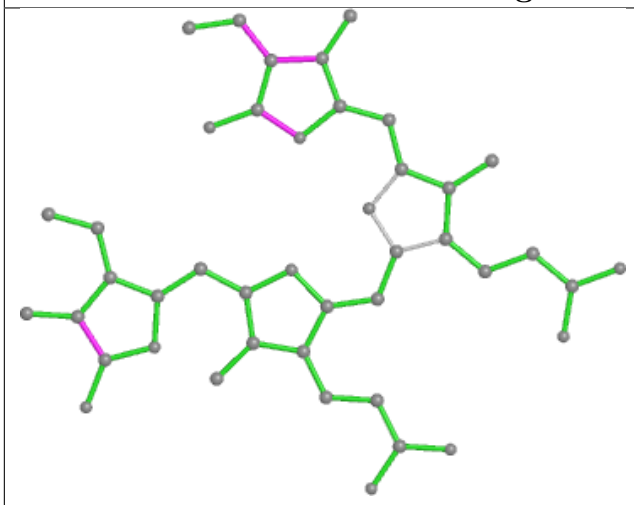


Rings

Ligand PEB dQ 201



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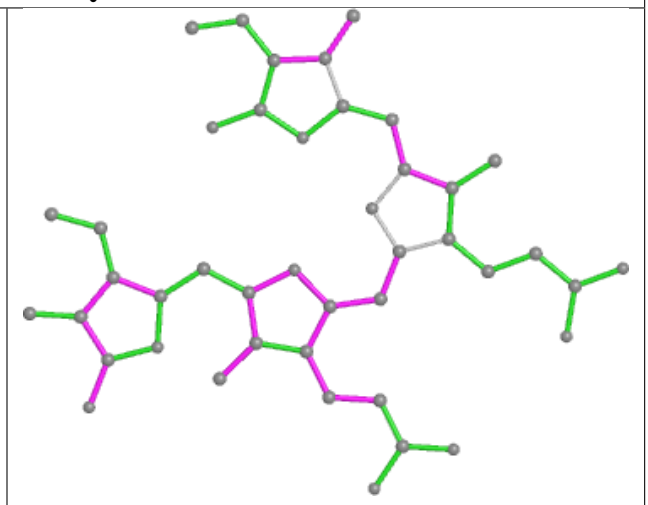

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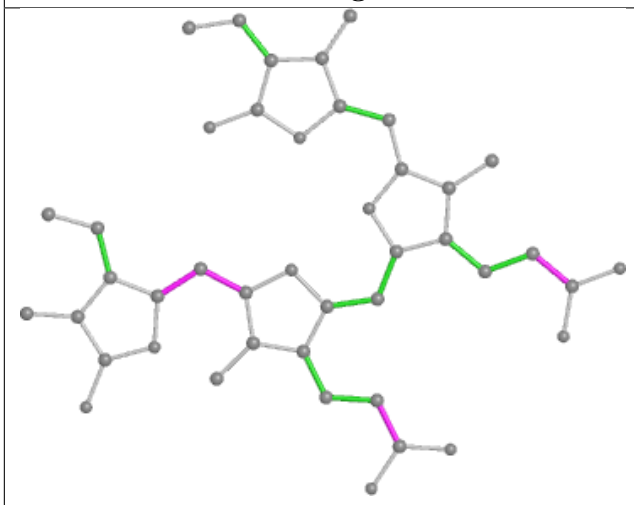

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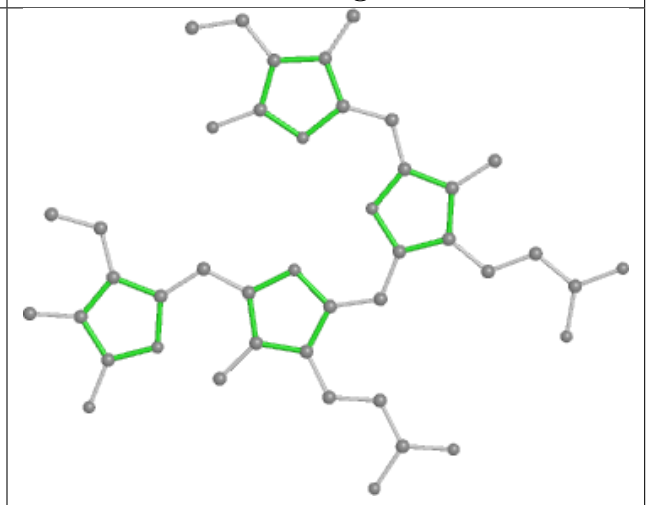
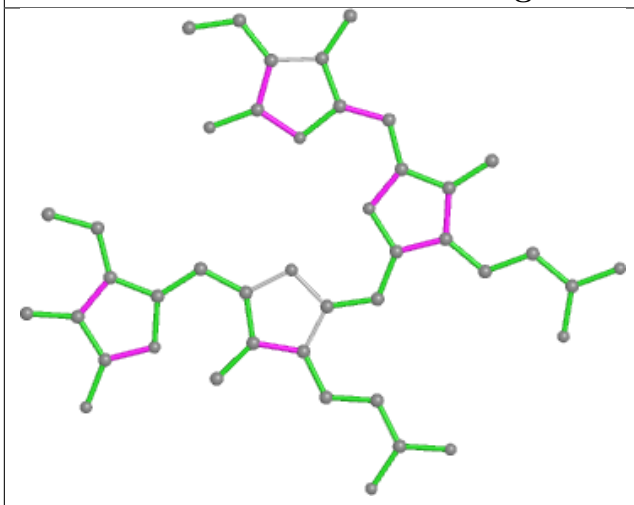


Rings

Ligand PUB C2 305



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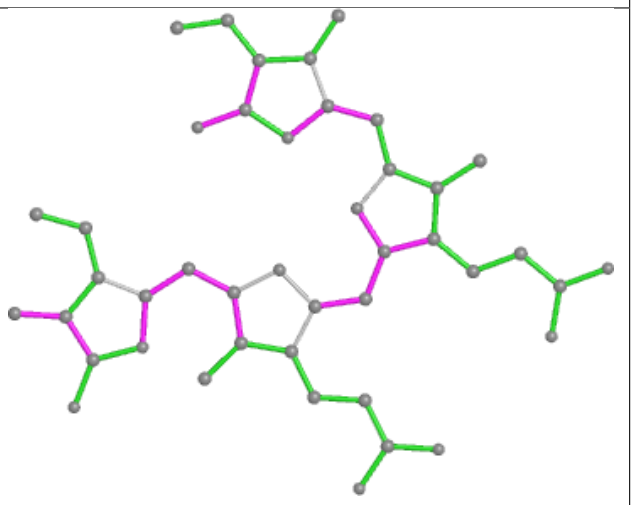

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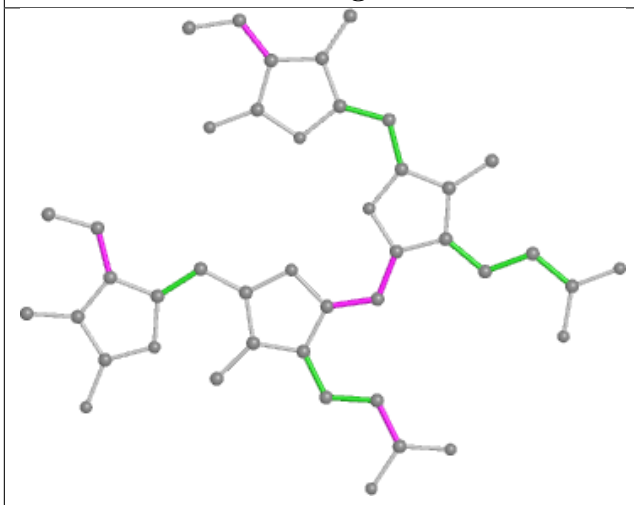

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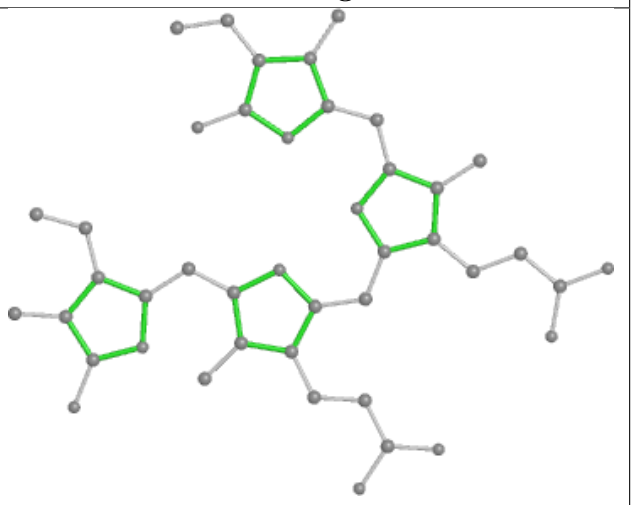
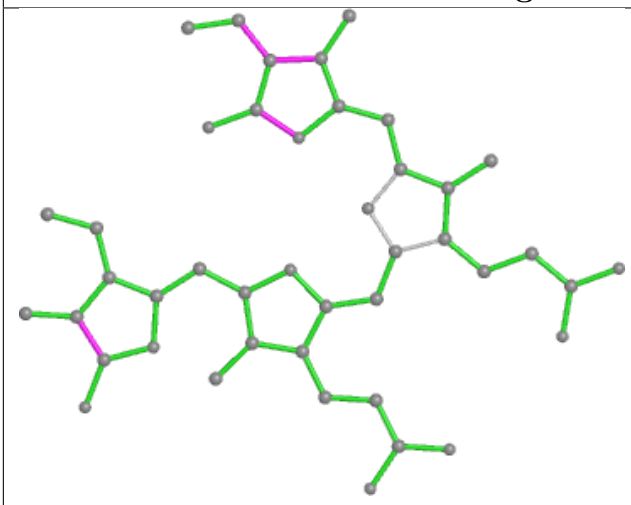


Rings

Ligand PEB cK 201



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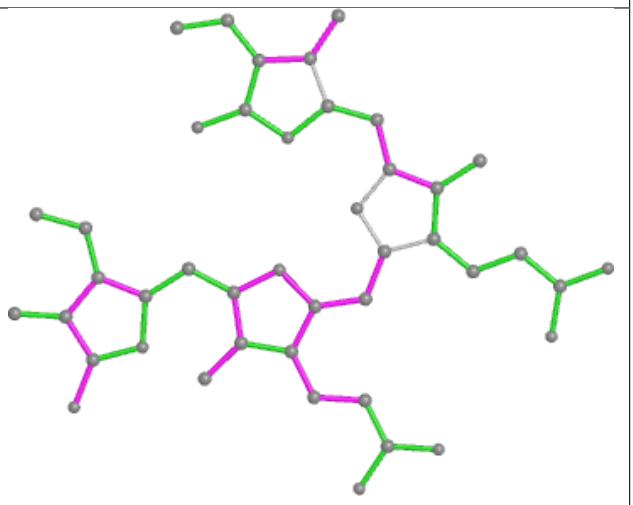

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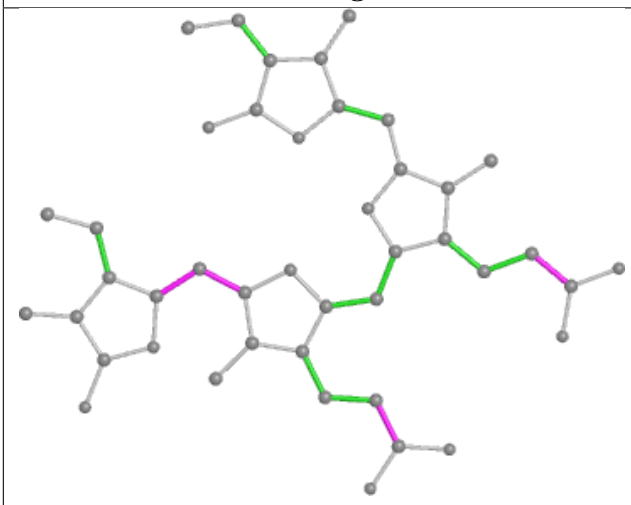

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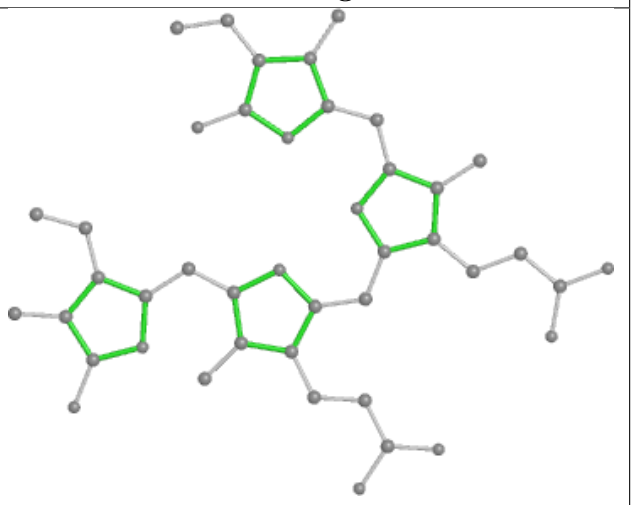
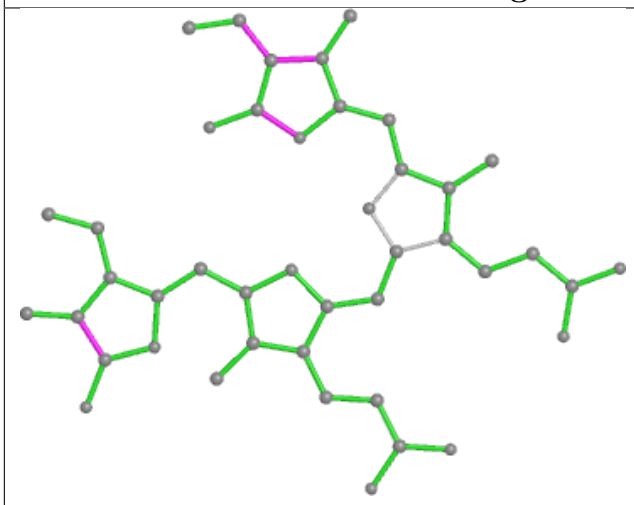


Rings

Ligand PEB dk 1002



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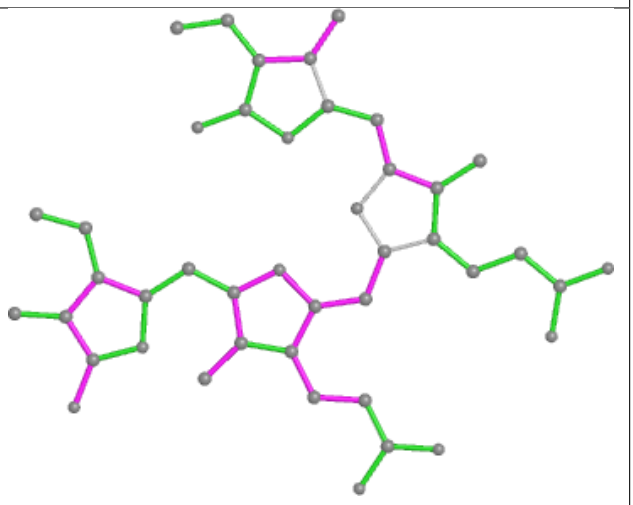

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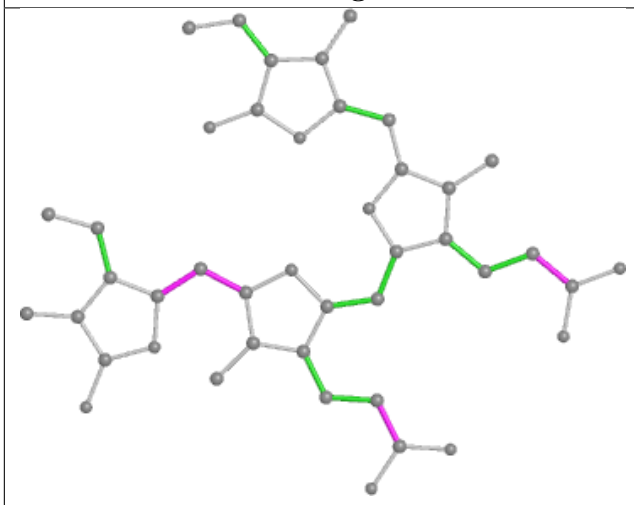

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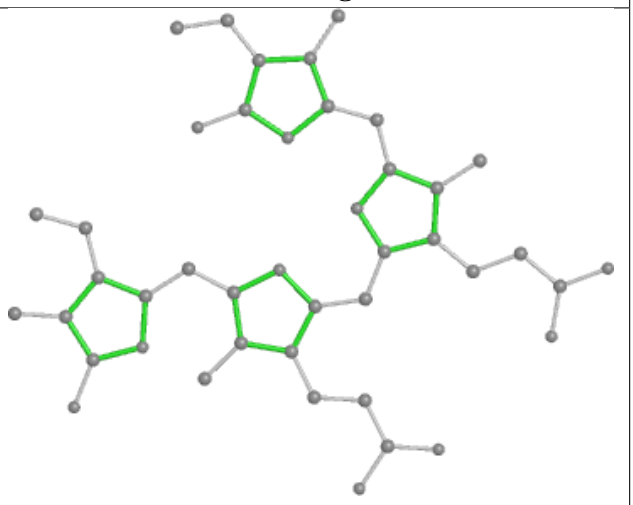
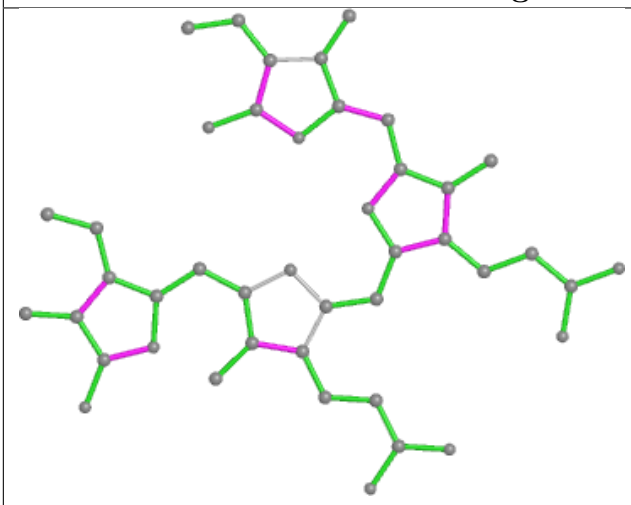


Rings

Ligand PUB bH 203



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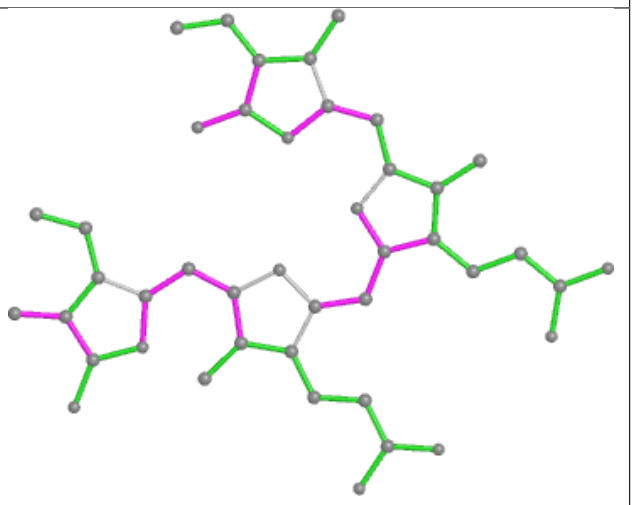

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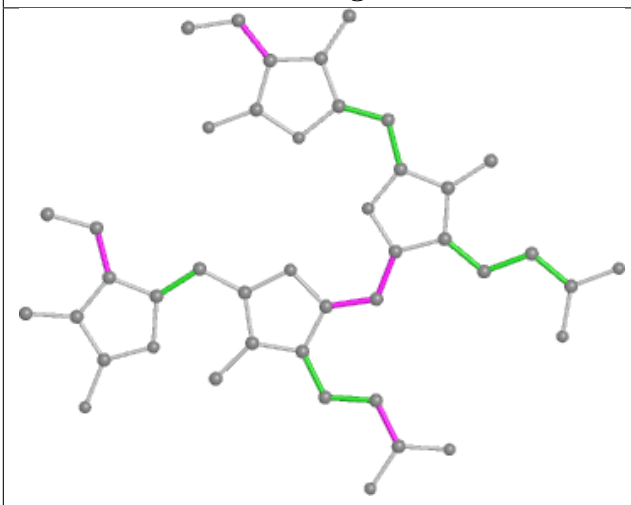

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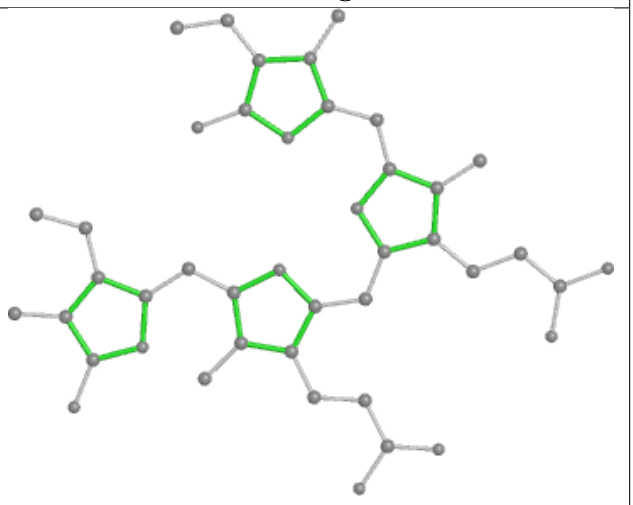
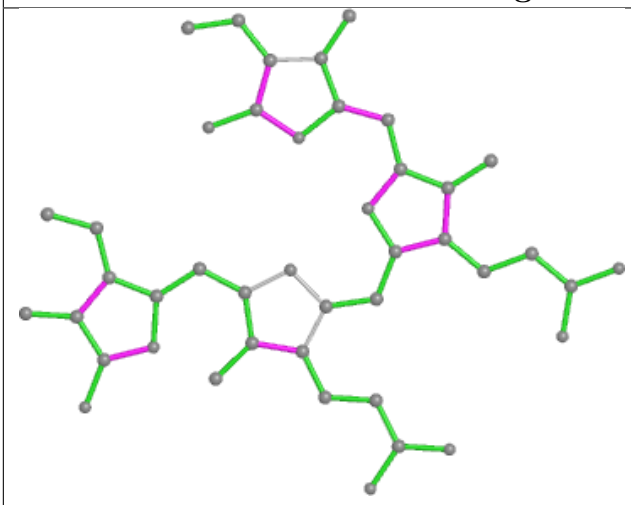


Rings

Ligand PUB T3 203



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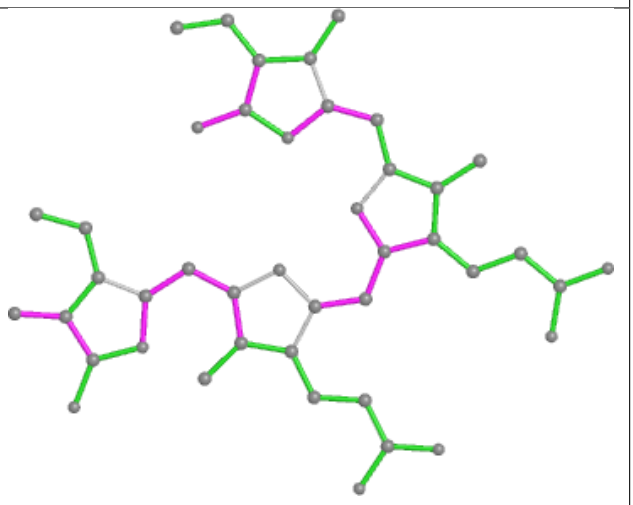

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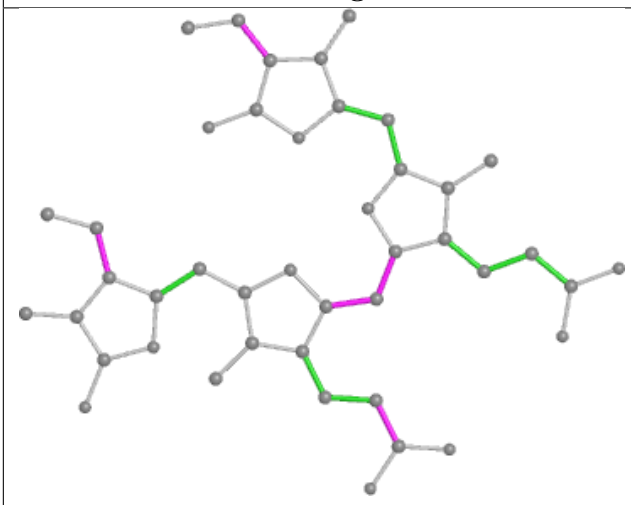

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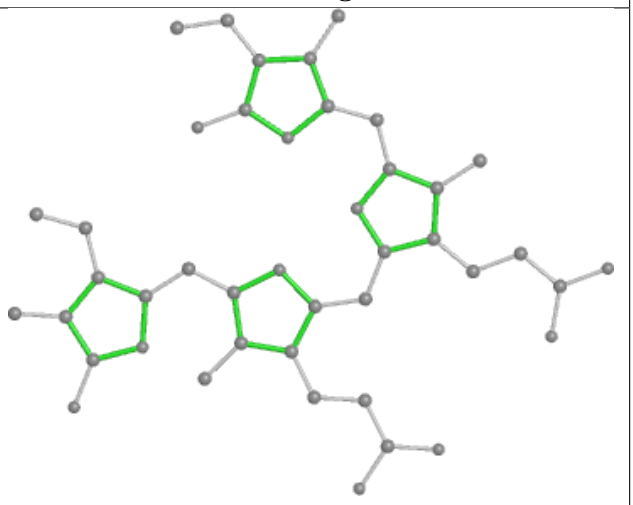
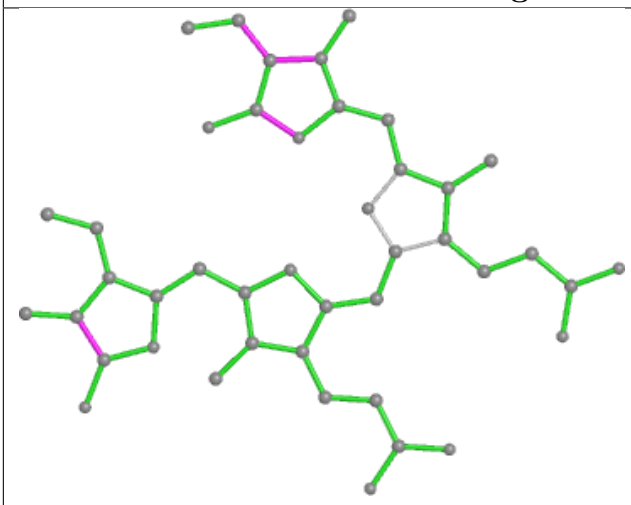


Rings

Ligand PEB a3 1001



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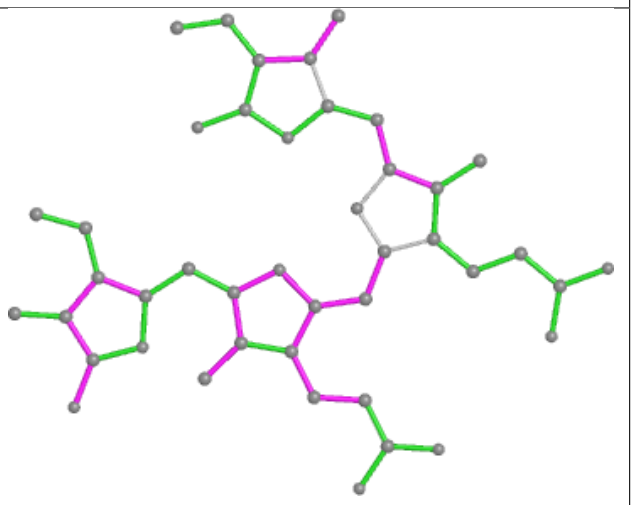

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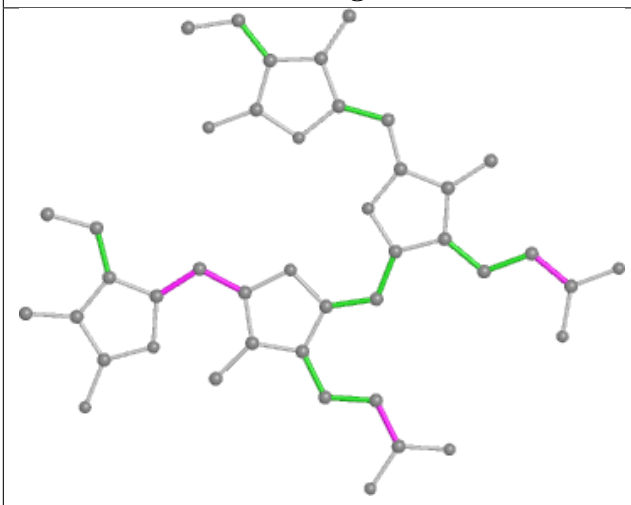

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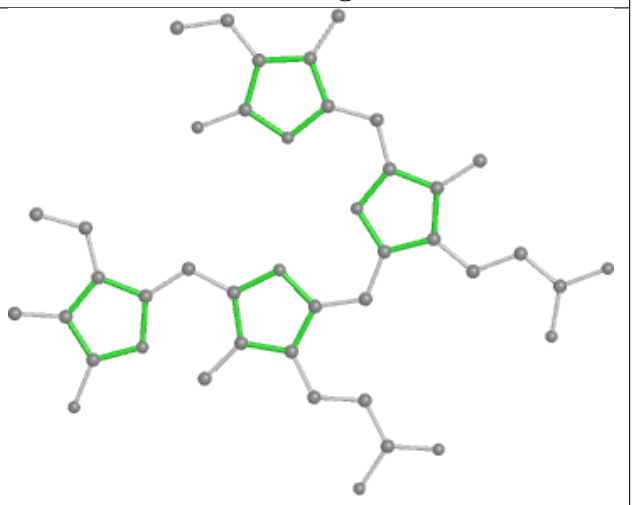

Rings

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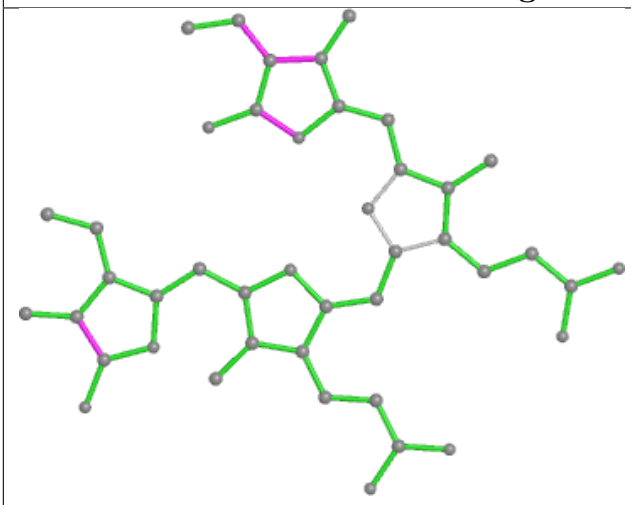

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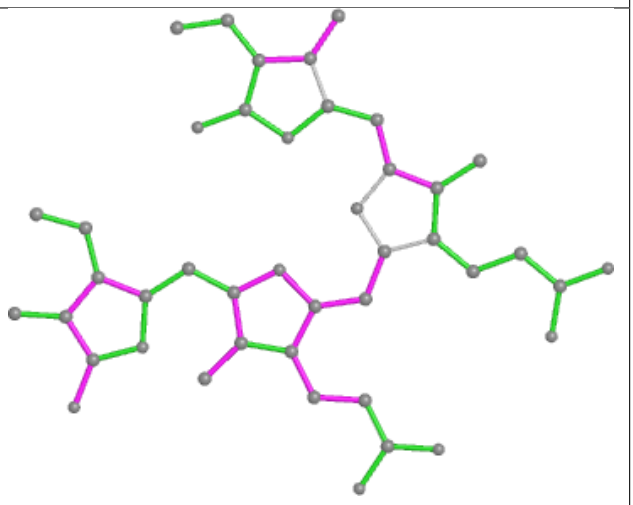

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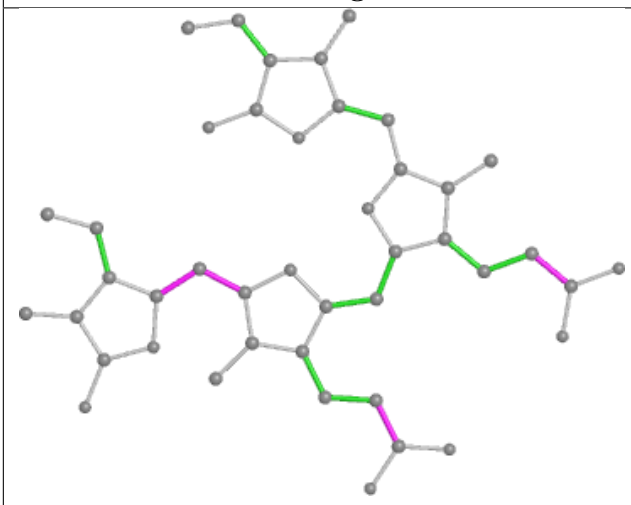

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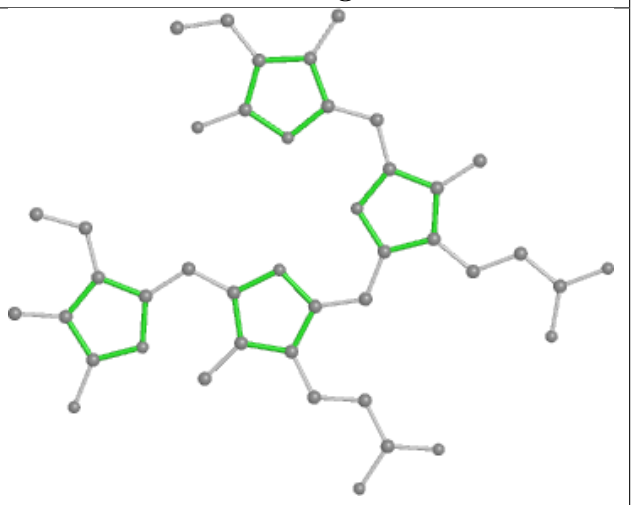
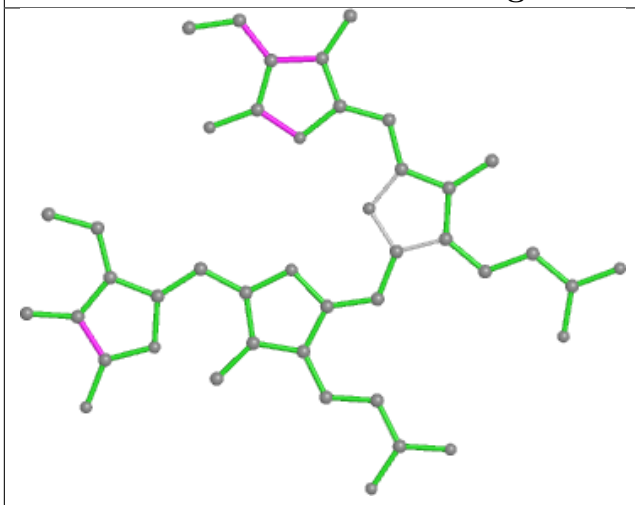


Rings

Ligand PEB A6 1001



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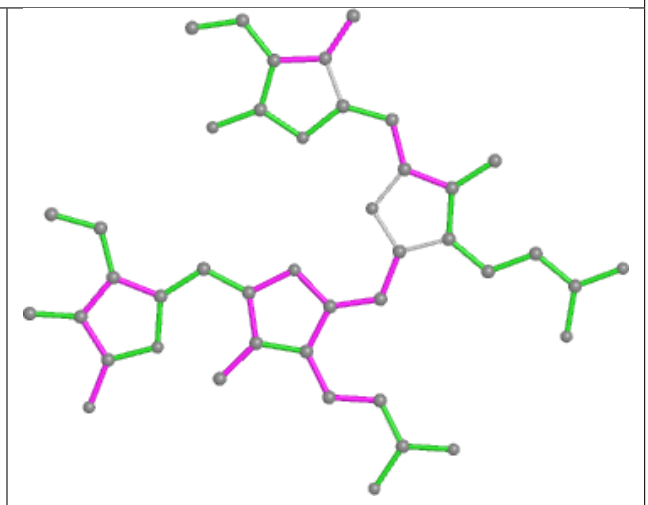

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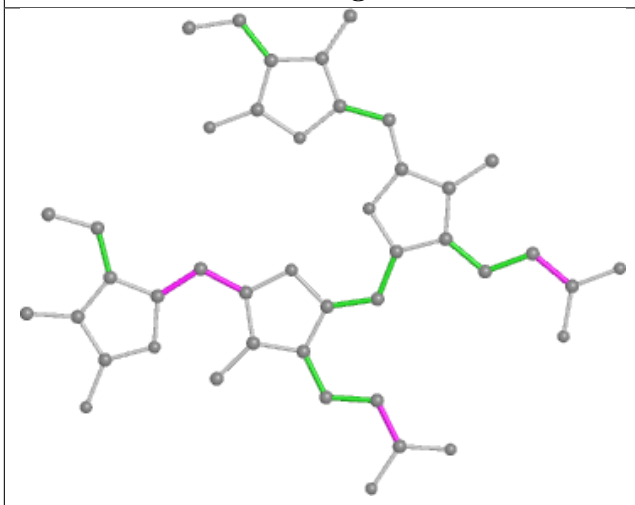

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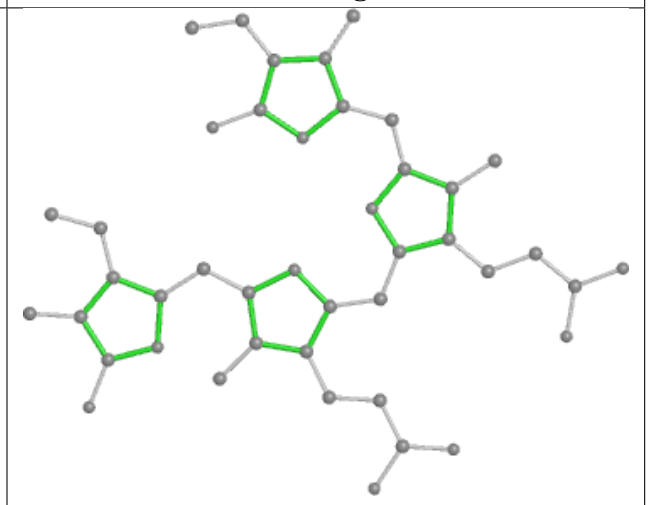
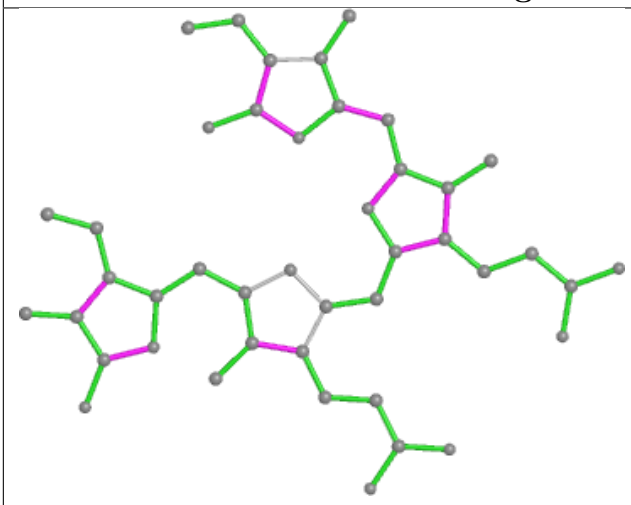


Rings

Ligand PUB aT 203



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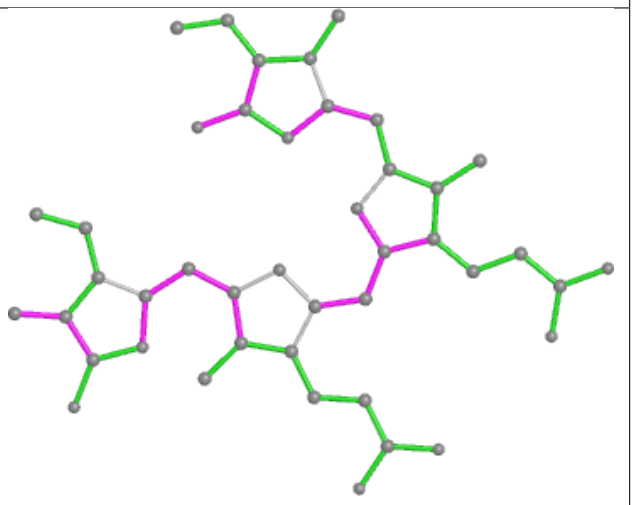

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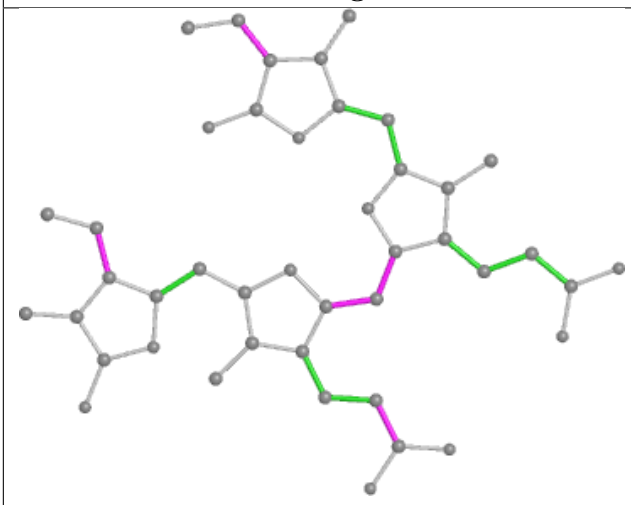

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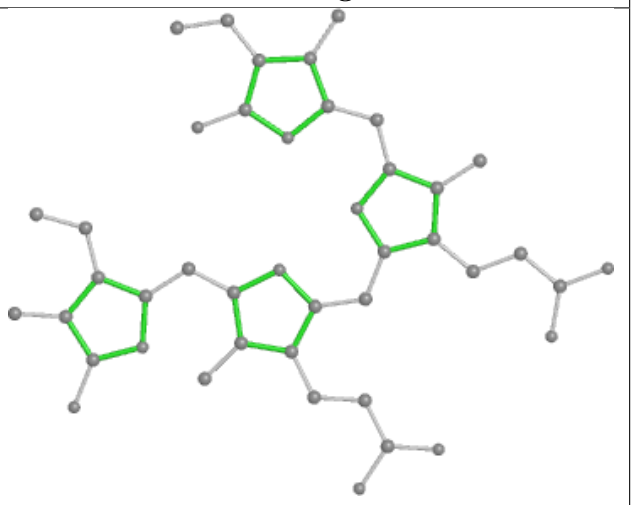
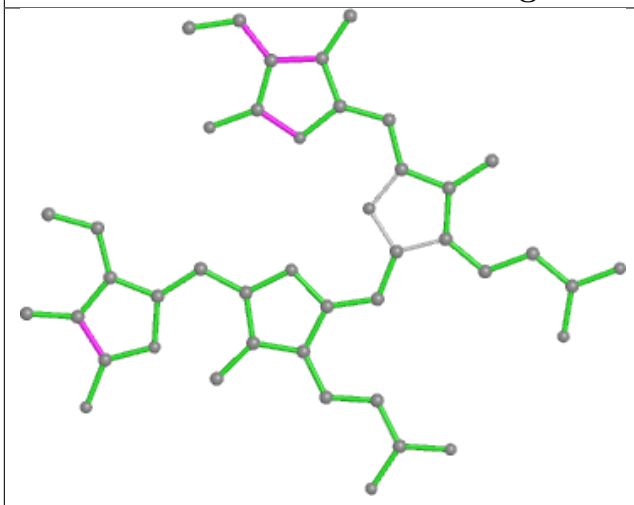


Rings

Ligand PEB dx 404



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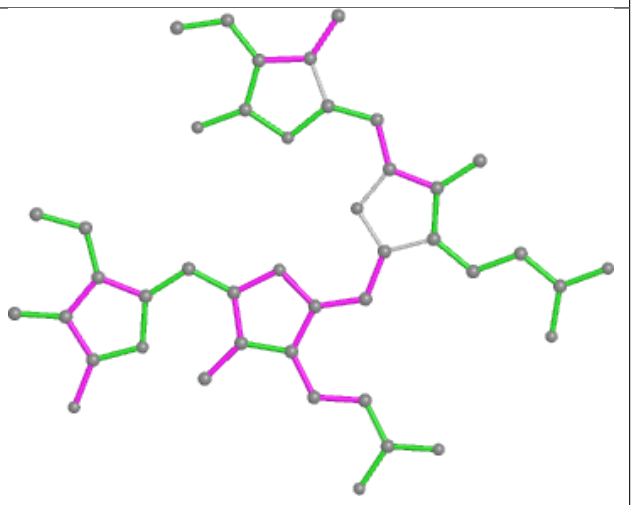
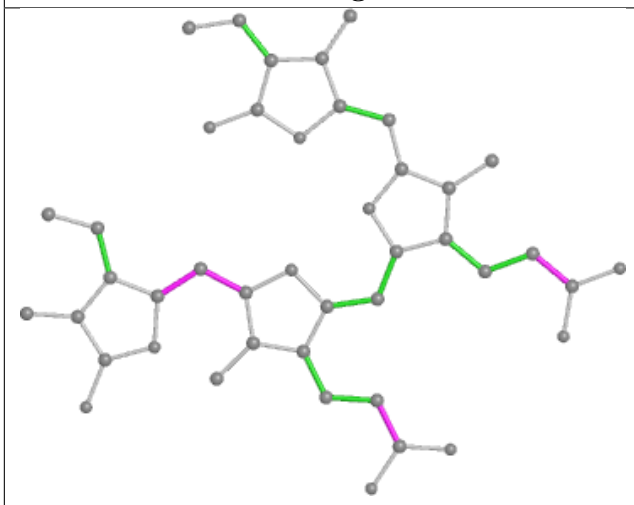


Bond angles



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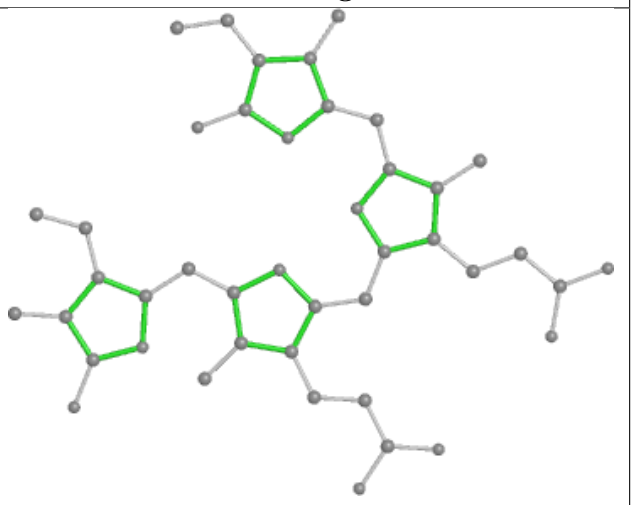
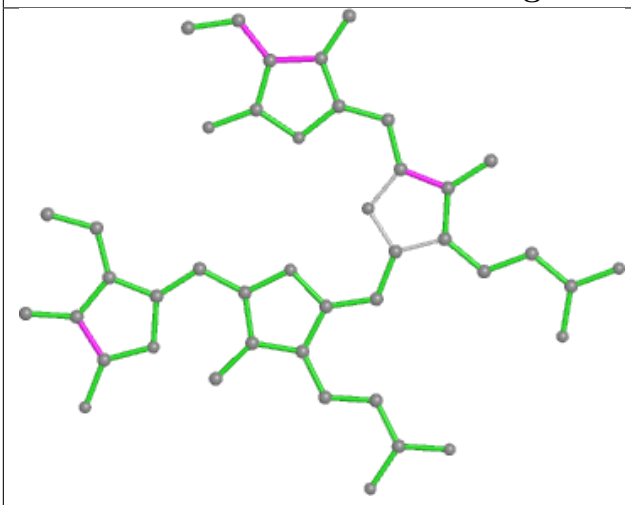


Rings

Ligand PEB f5 201



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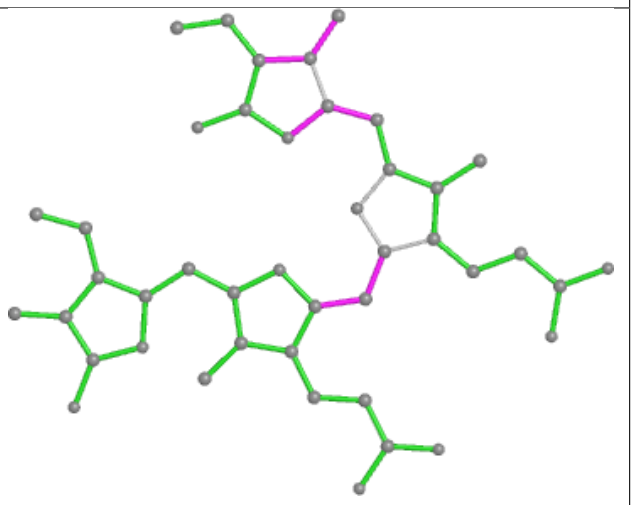

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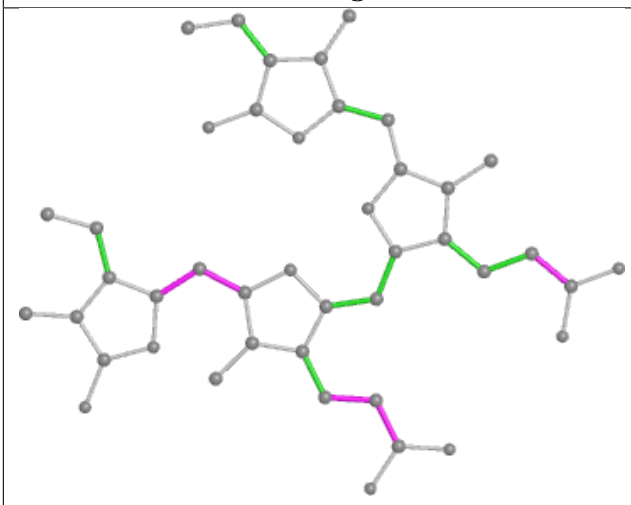
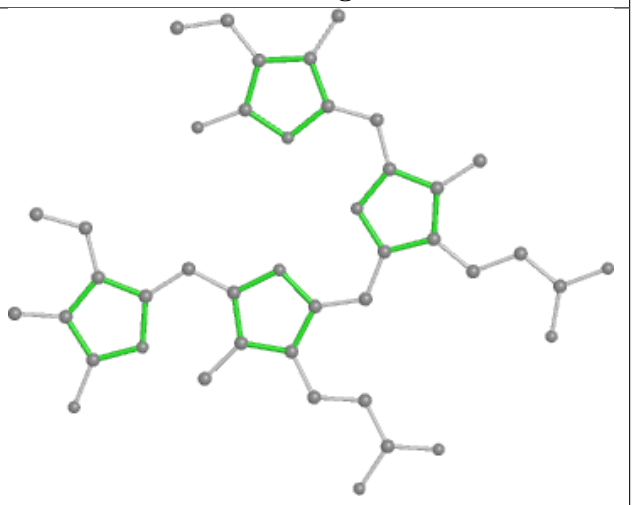
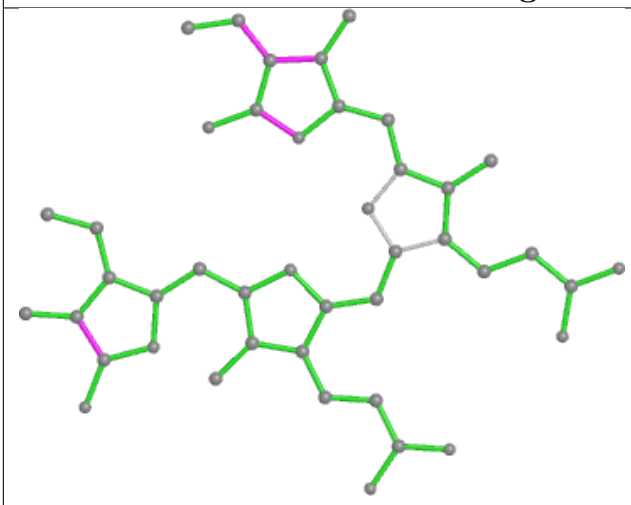


Torsions



Rings

Ligand PEB k4 201



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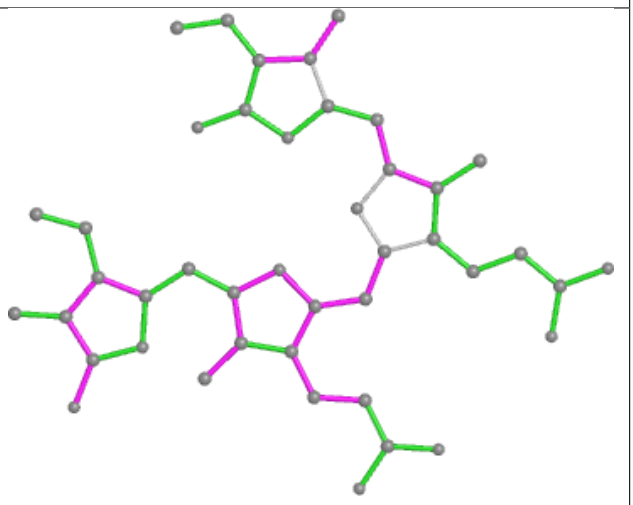

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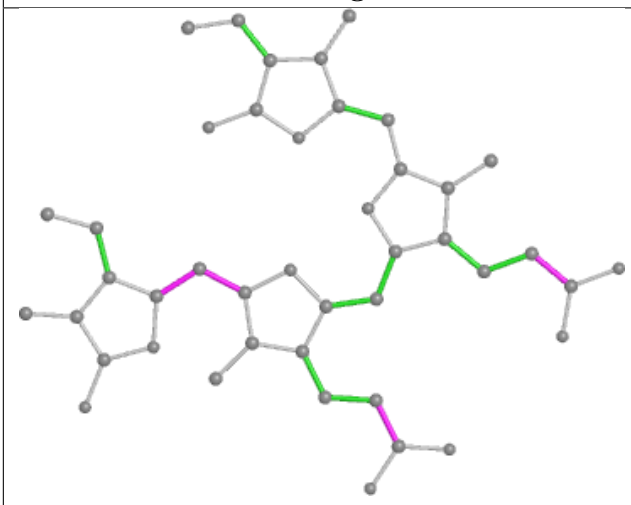

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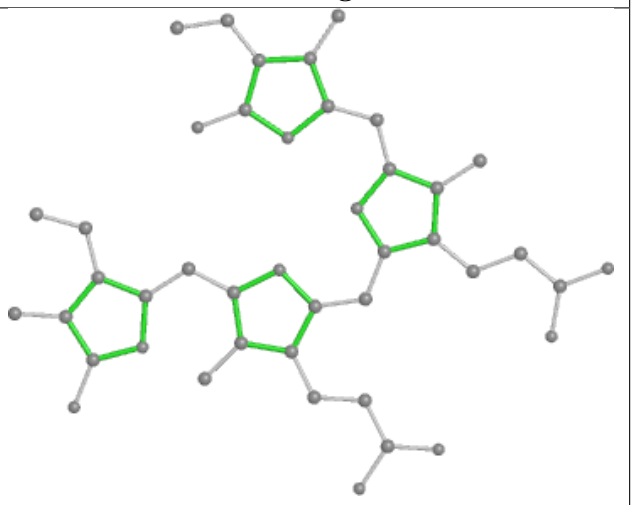

Rings

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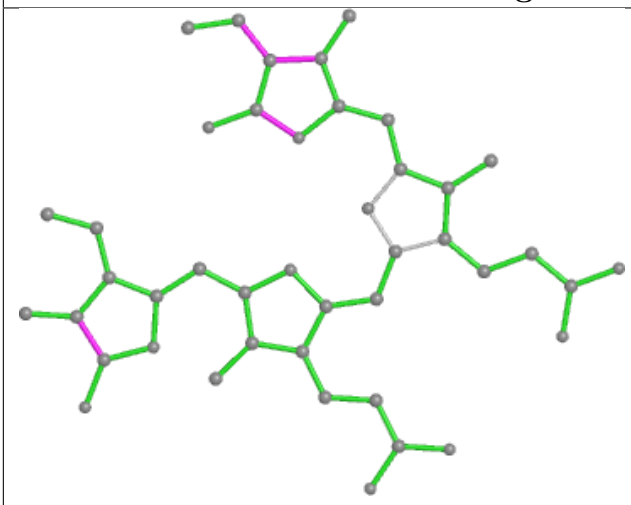

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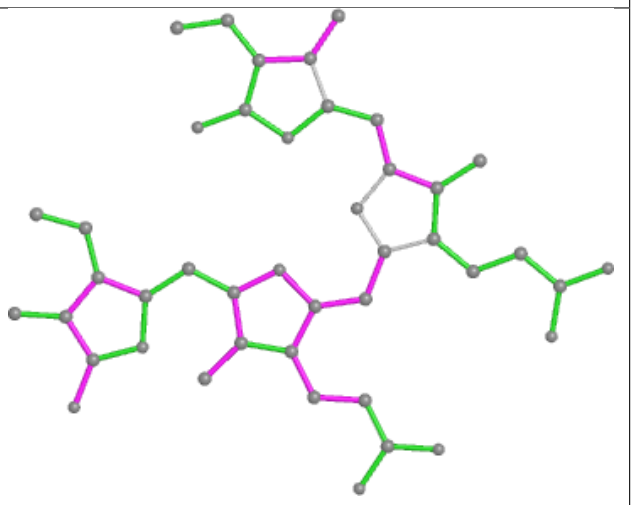

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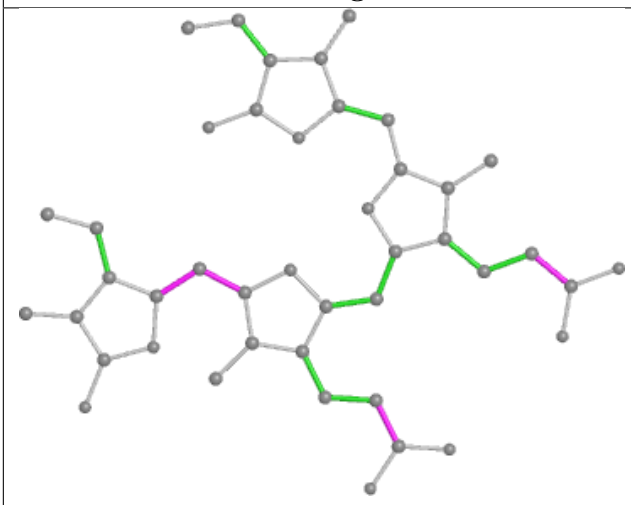

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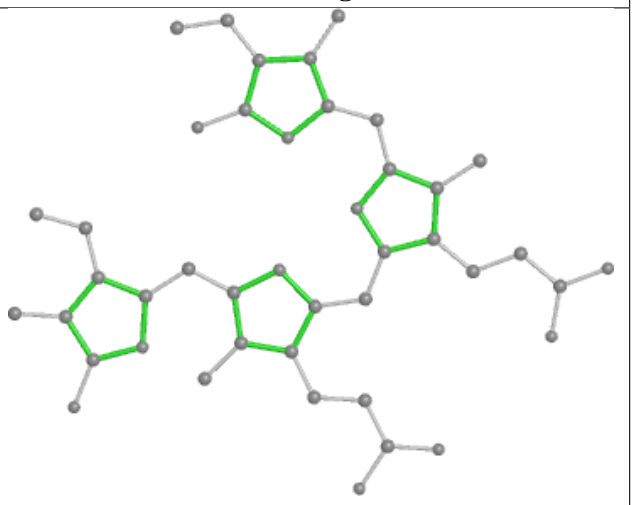

Rings

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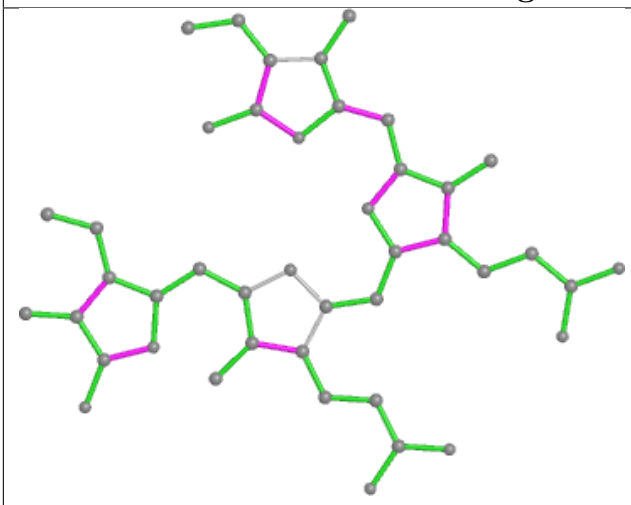

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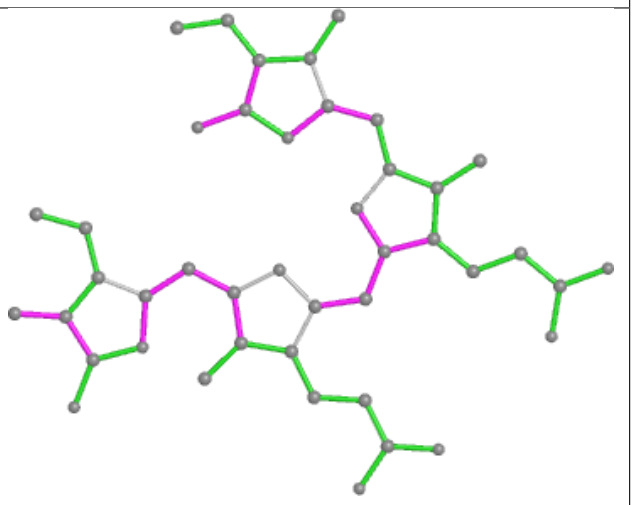

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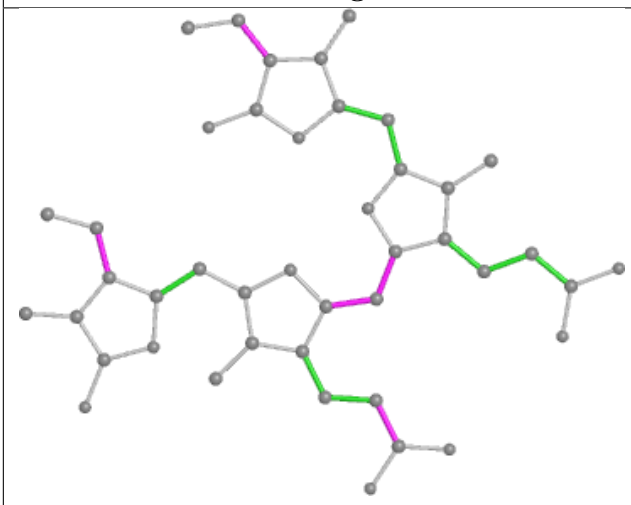

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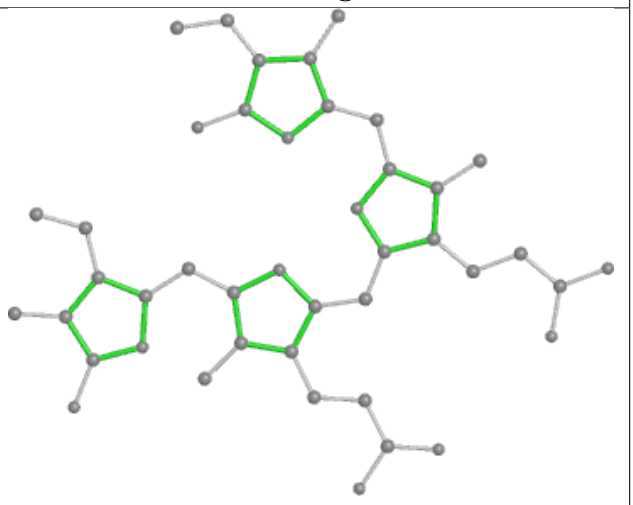
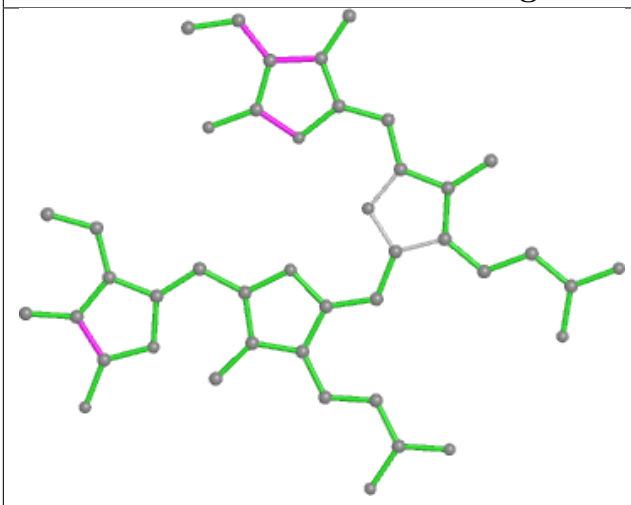


Rings

Ligand PEB o5 201



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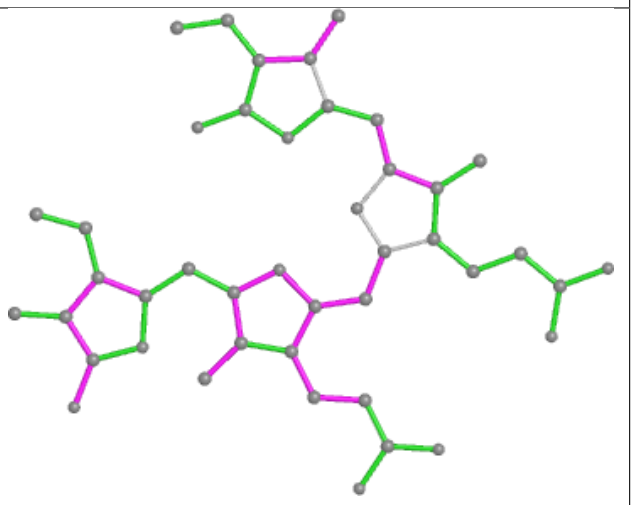

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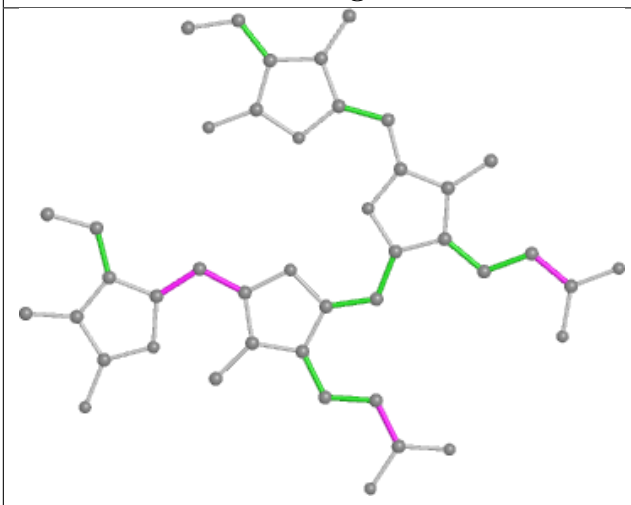

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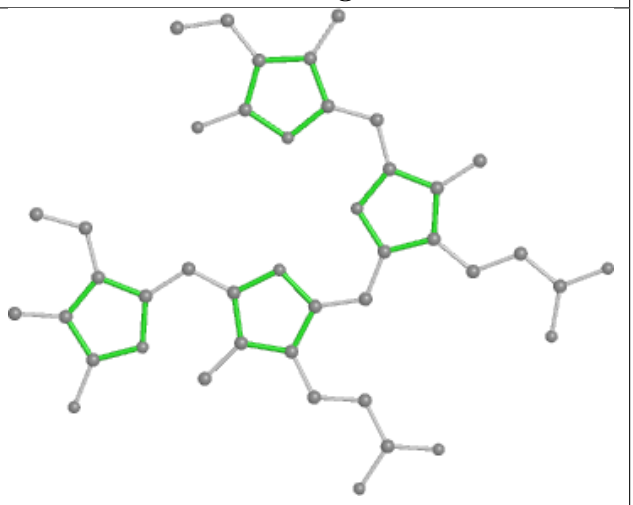

Rings

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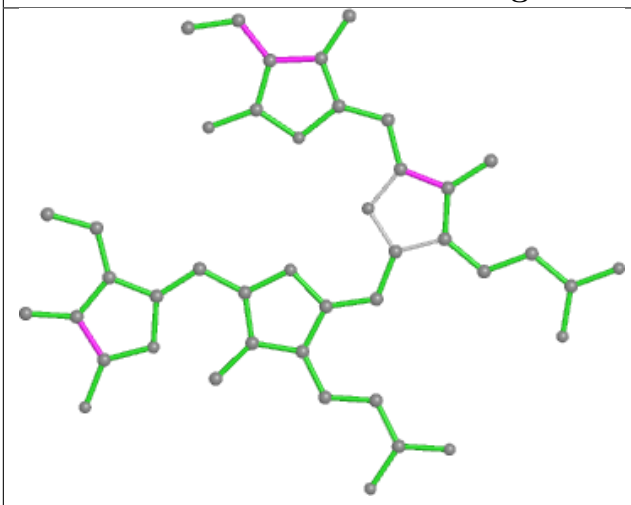

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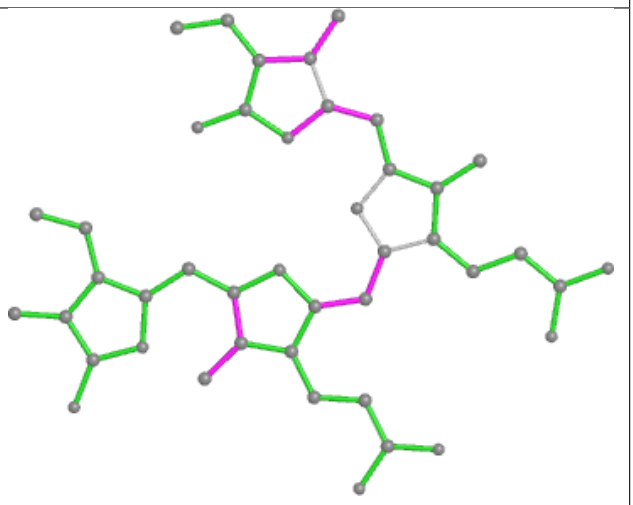

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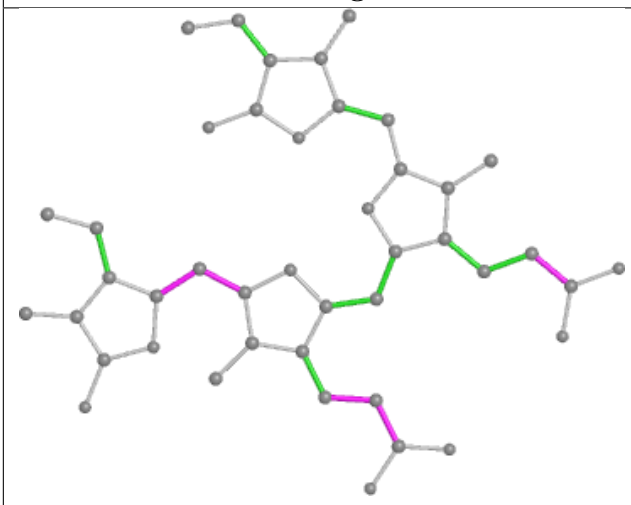

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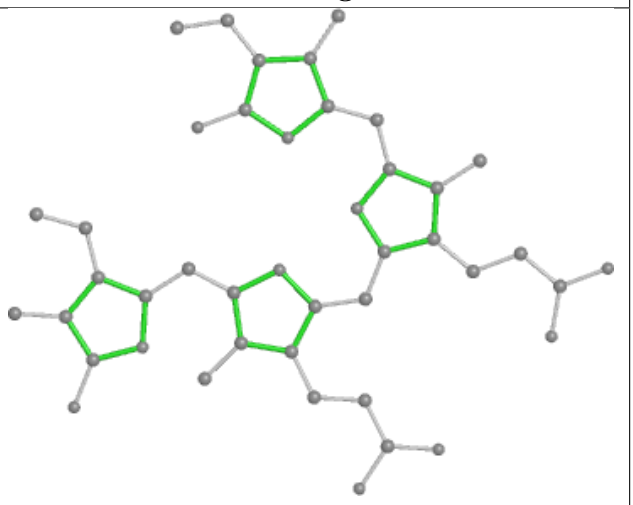

Rings

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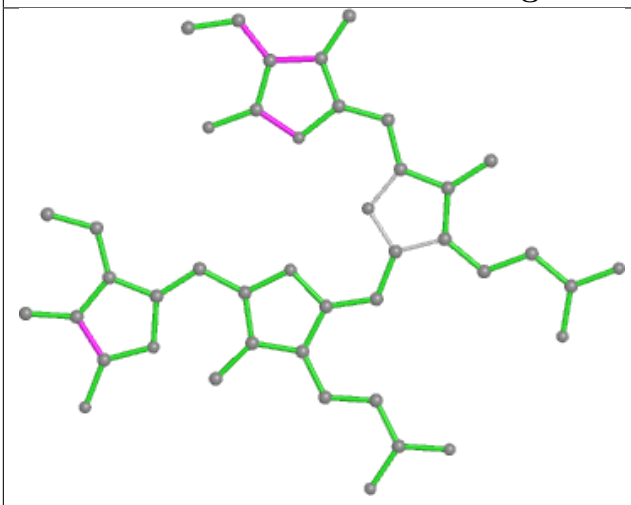

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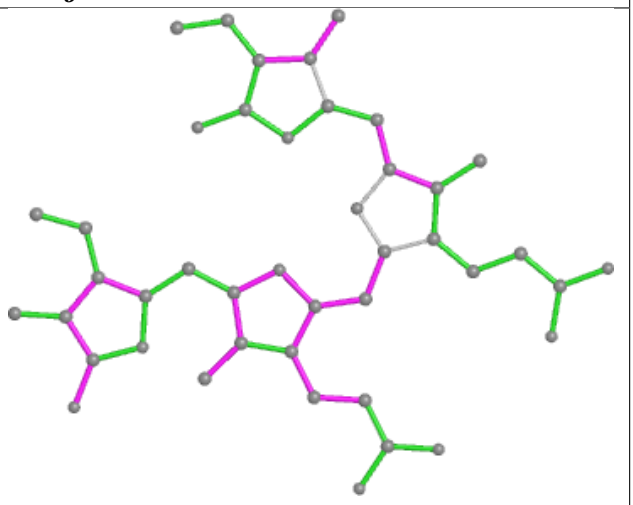

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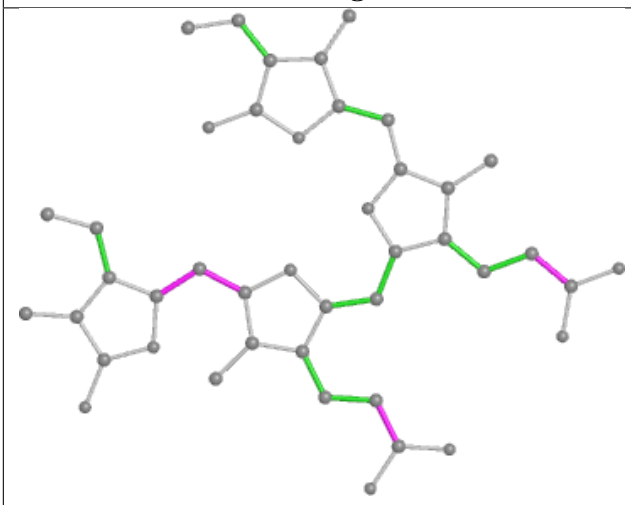

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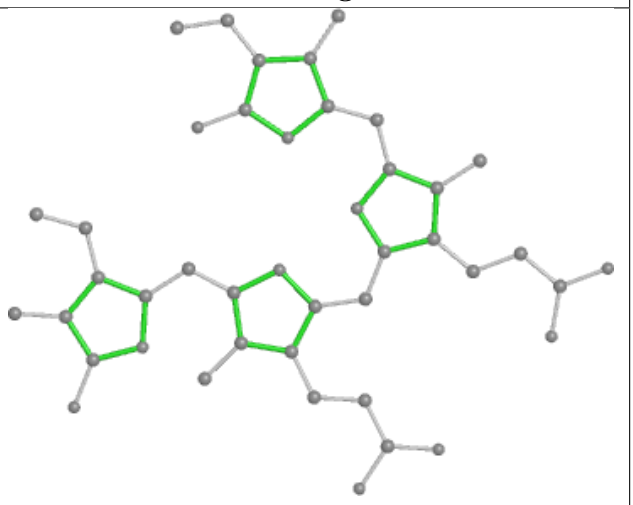
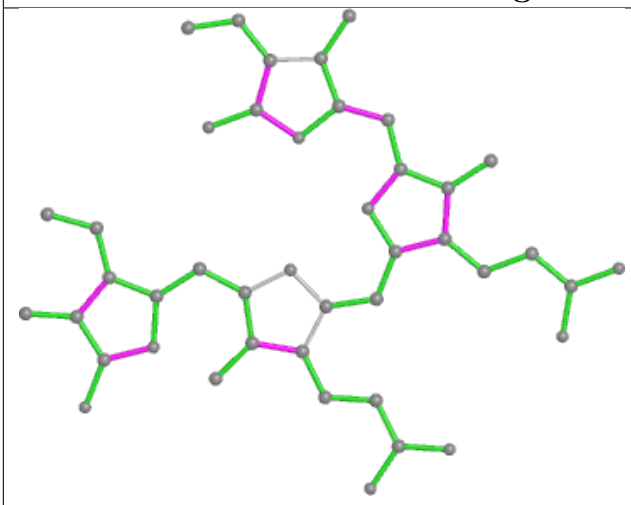


Rings

Ligand PUB R9 203



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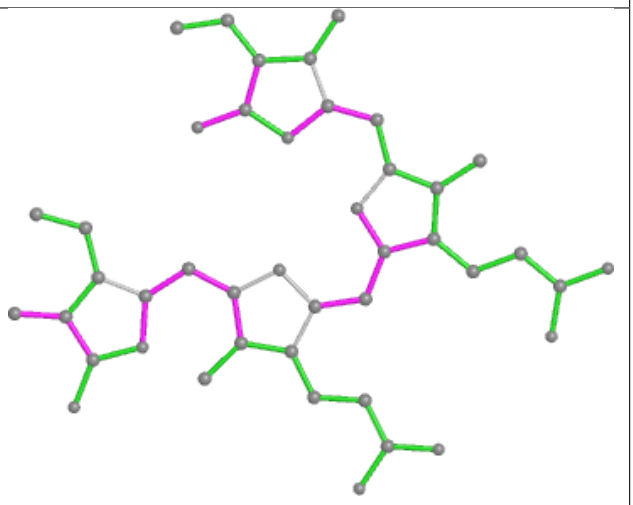

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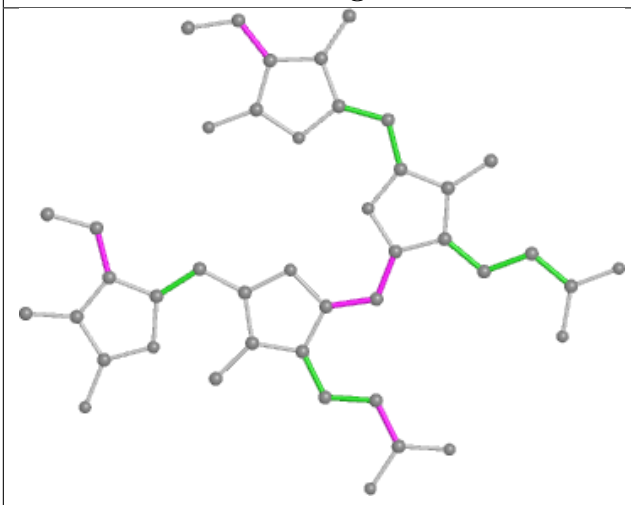

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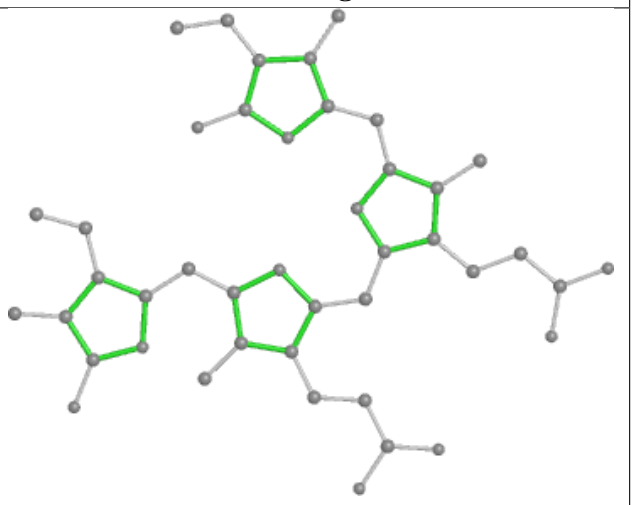

Rings

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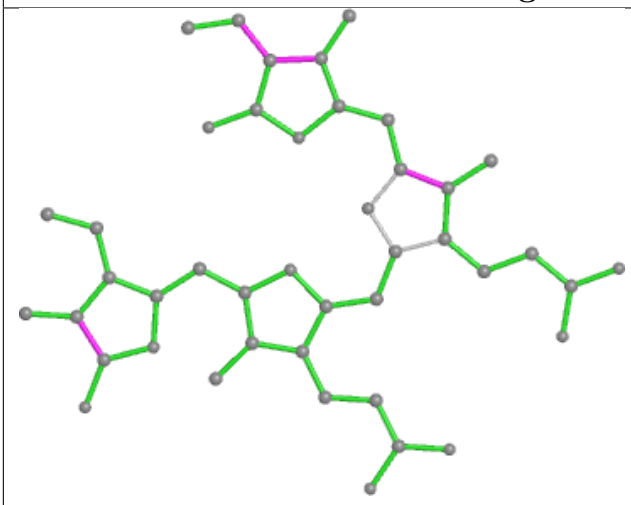

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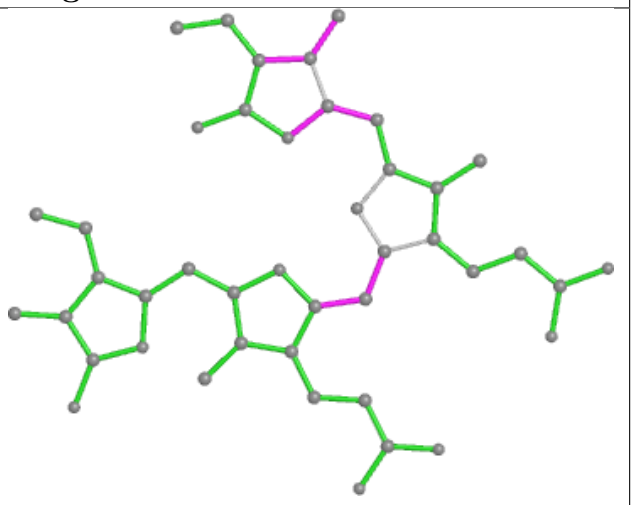

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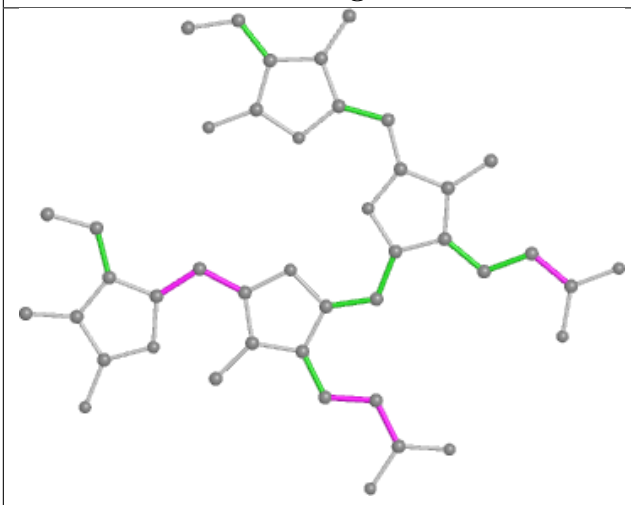

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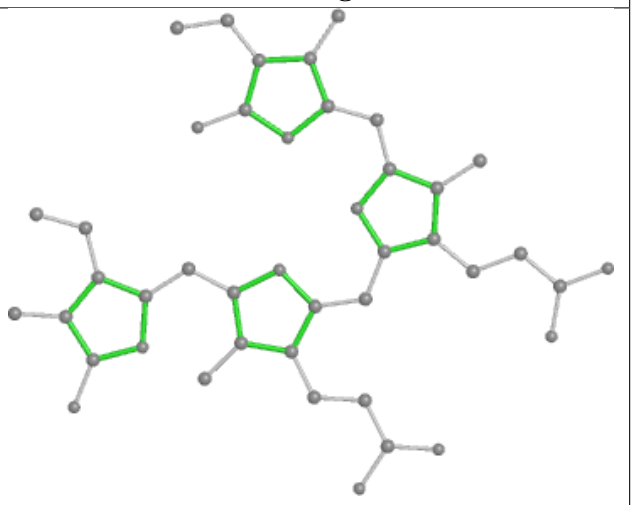

Rings

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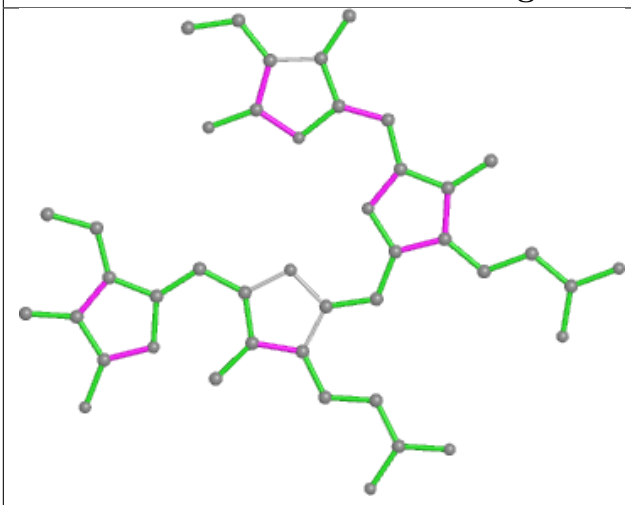

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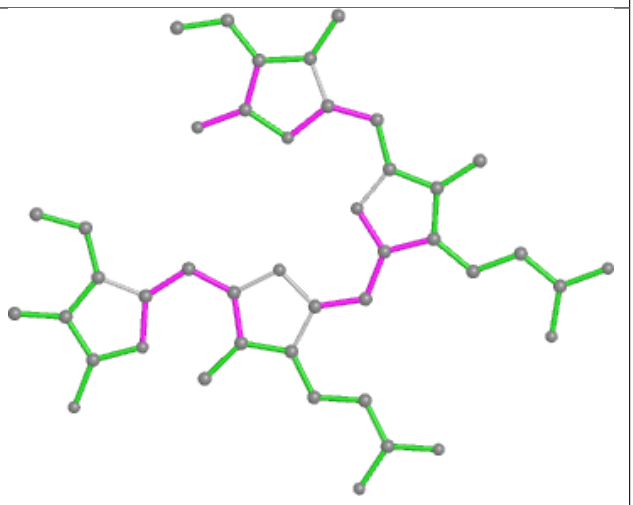

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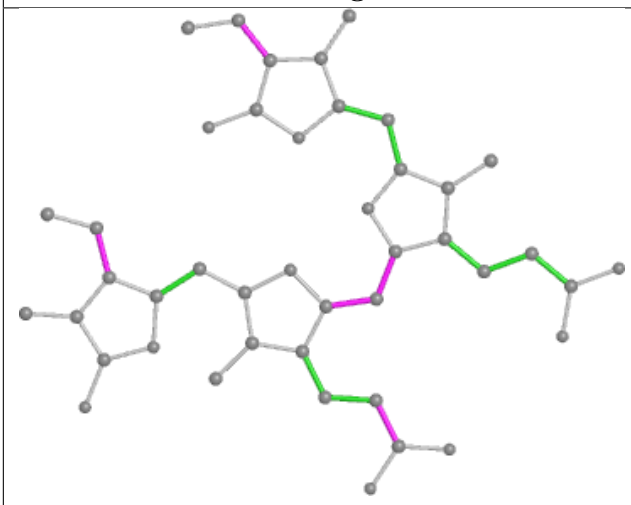

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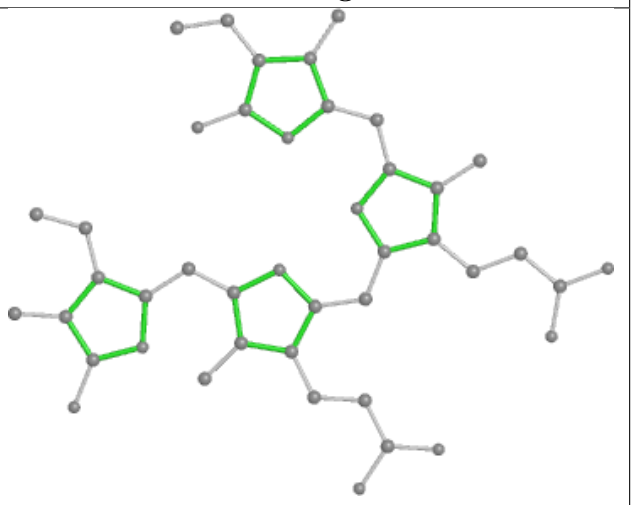

Rings

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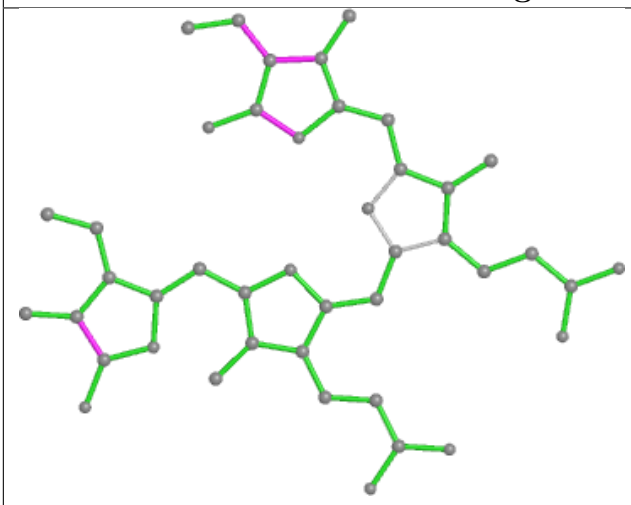

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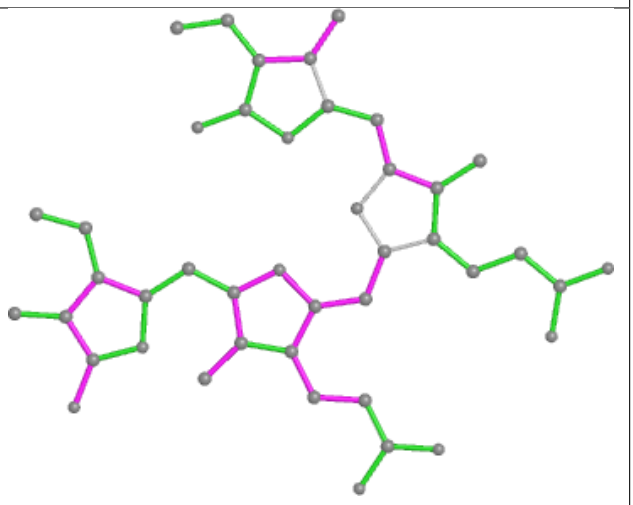

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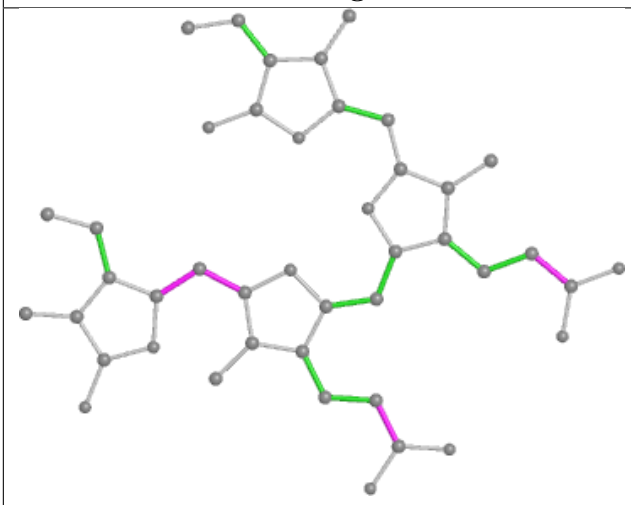

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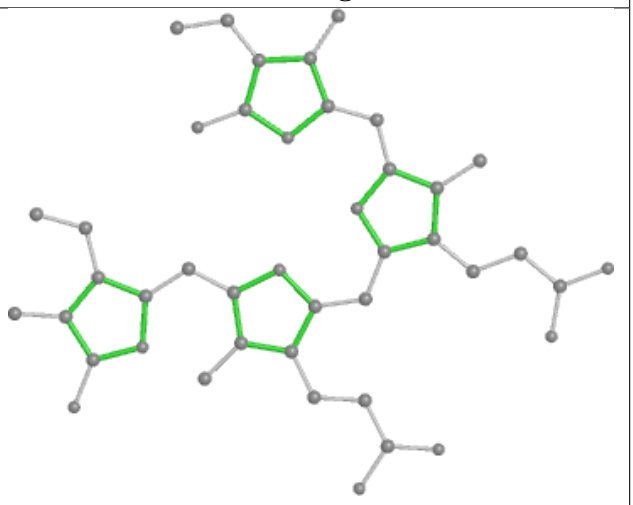

Rings

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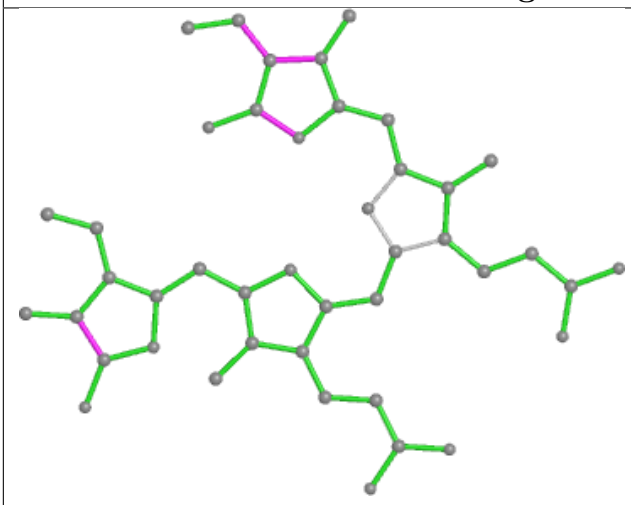

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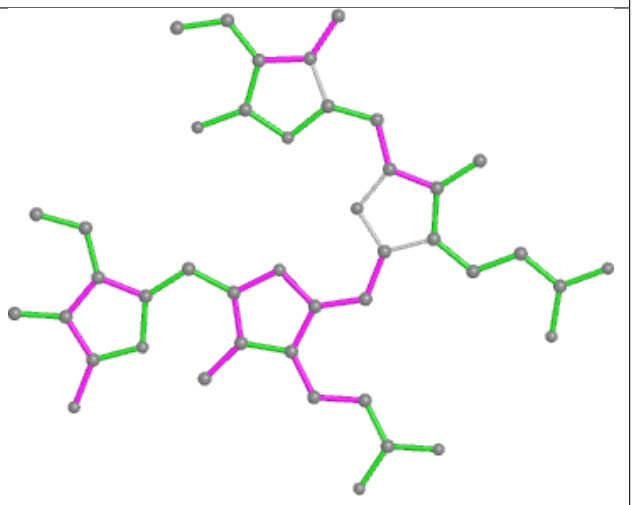

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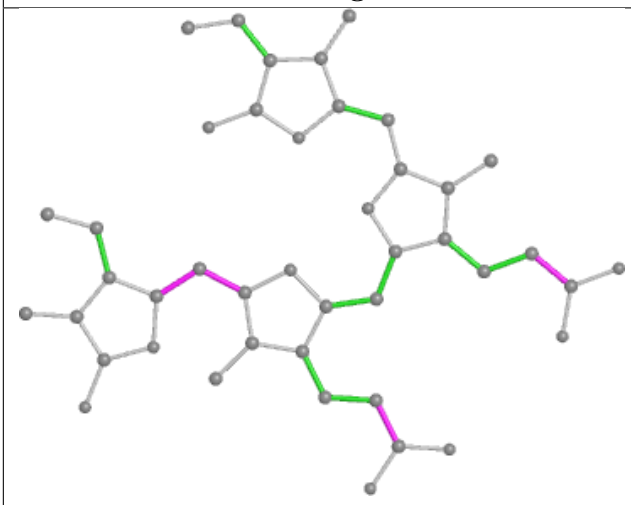

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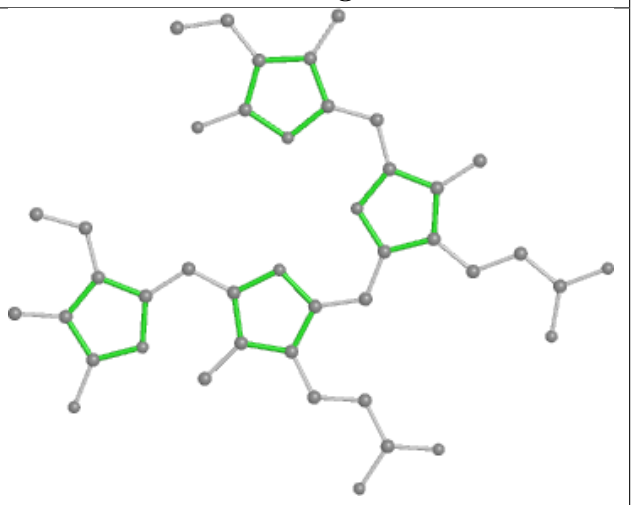
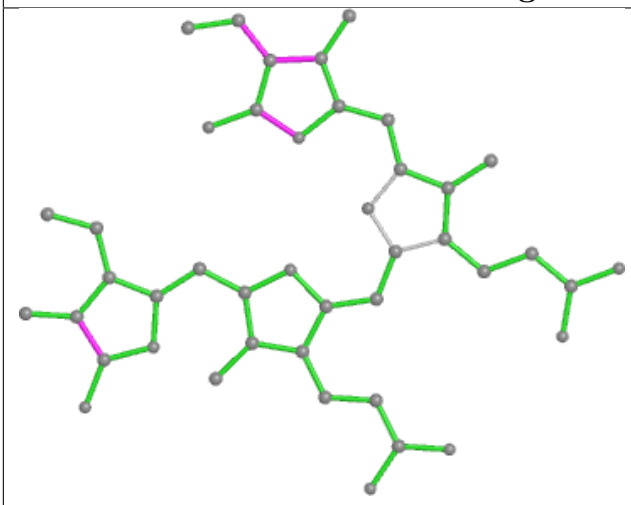


Rings

Ligand PEB dx 403



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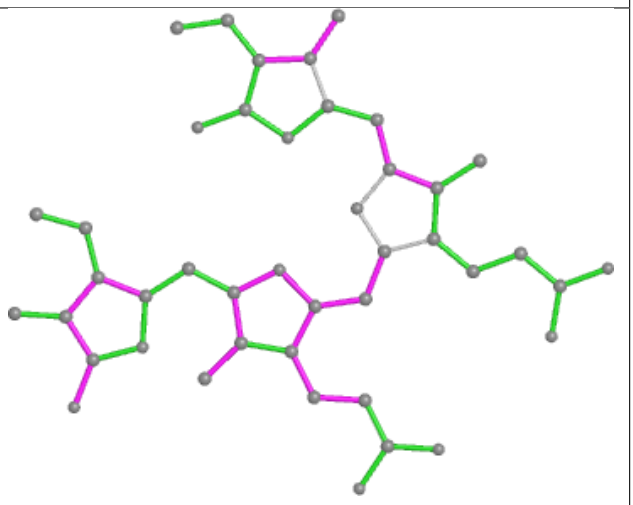

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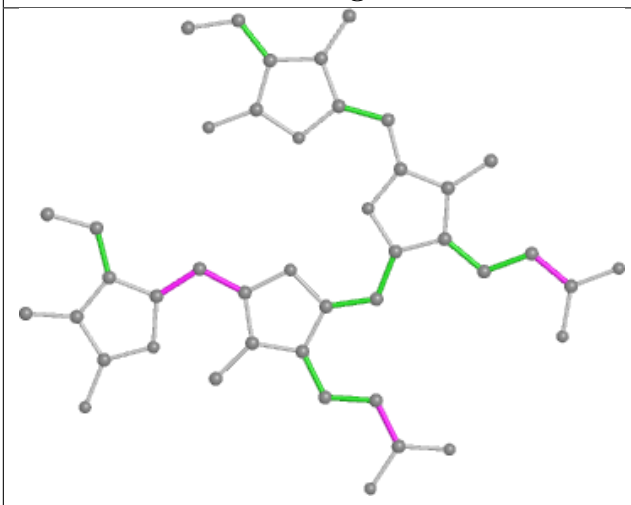

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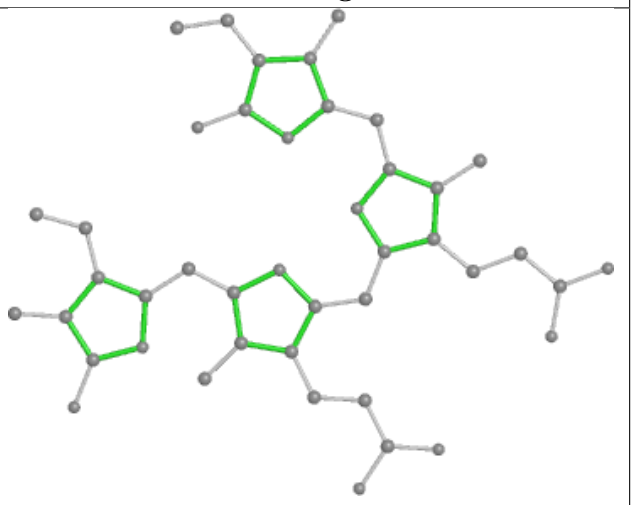

Rings

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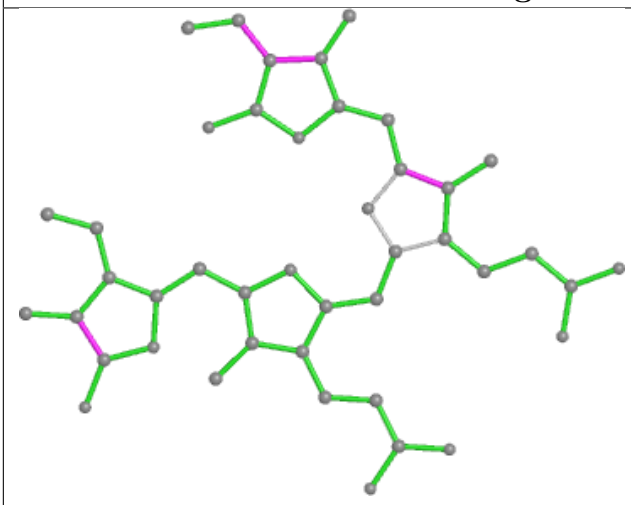

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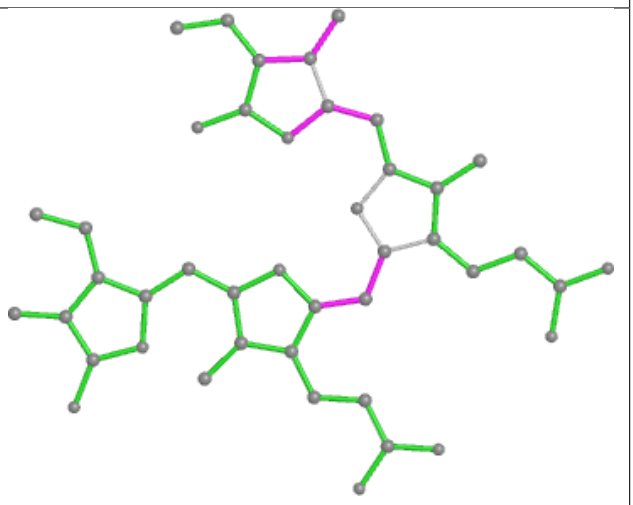
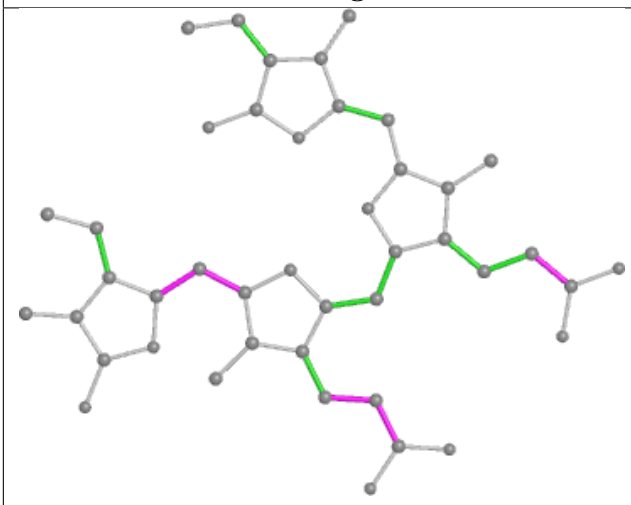
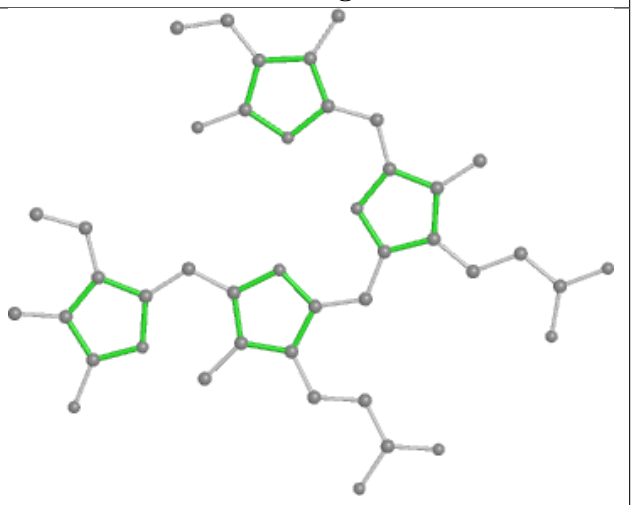


Bond angles

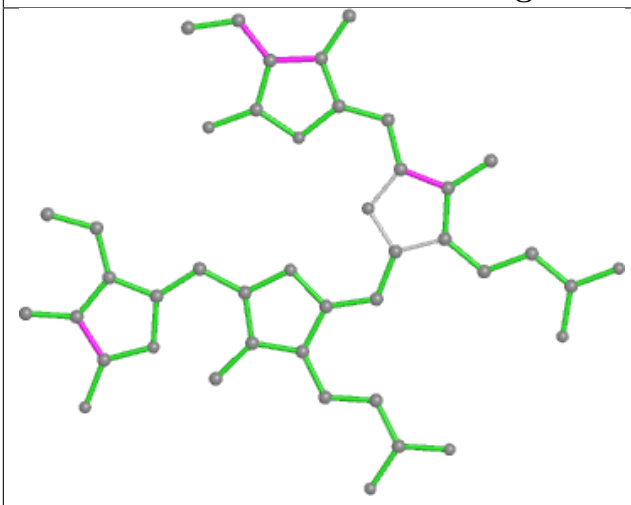


Torsions



Rings

Ligand PEB A7 201



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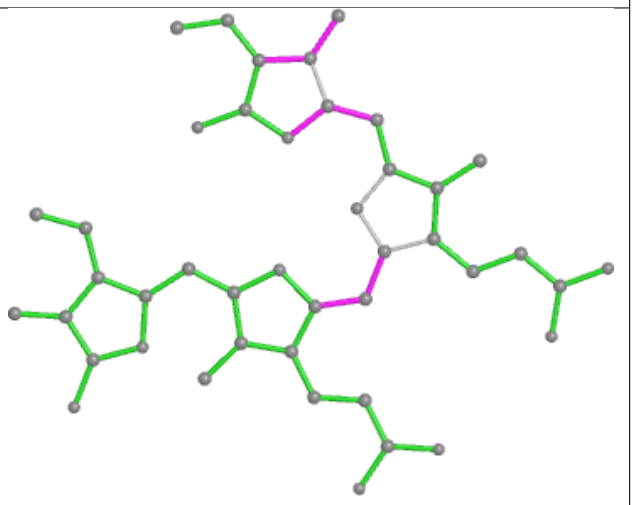

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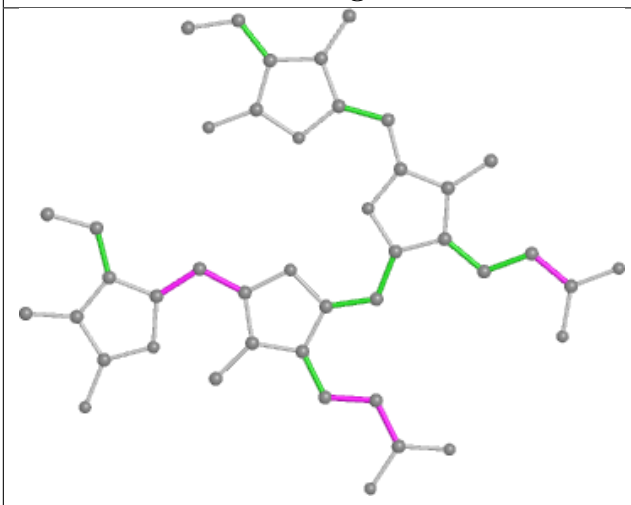
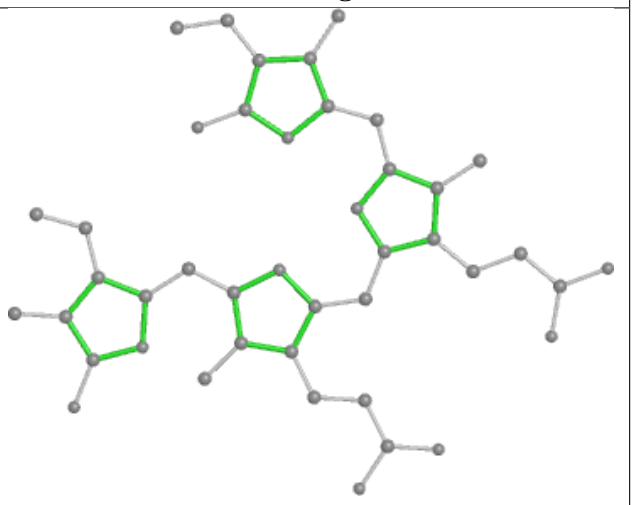
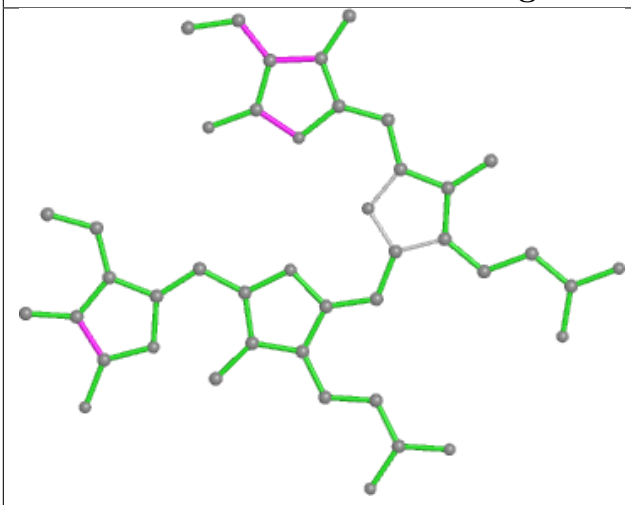


Torsions



Rings

Ligand PEB n7 201



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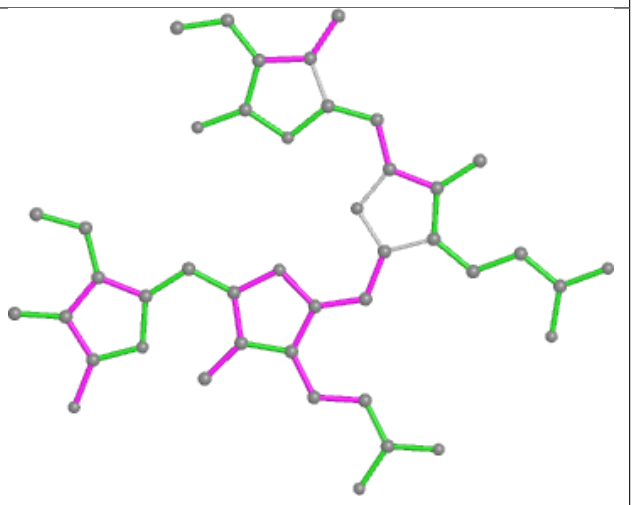

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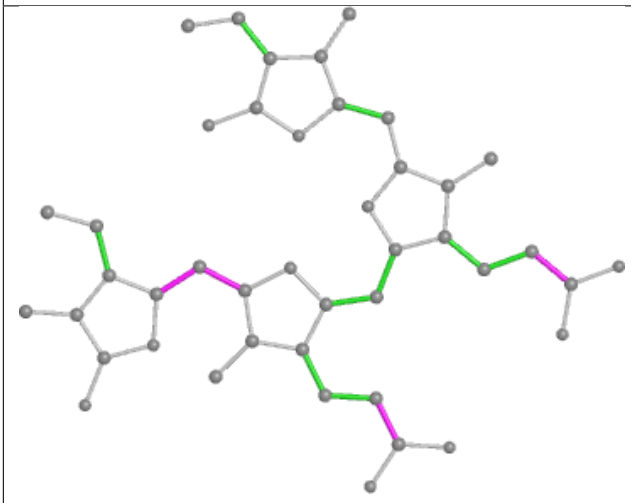

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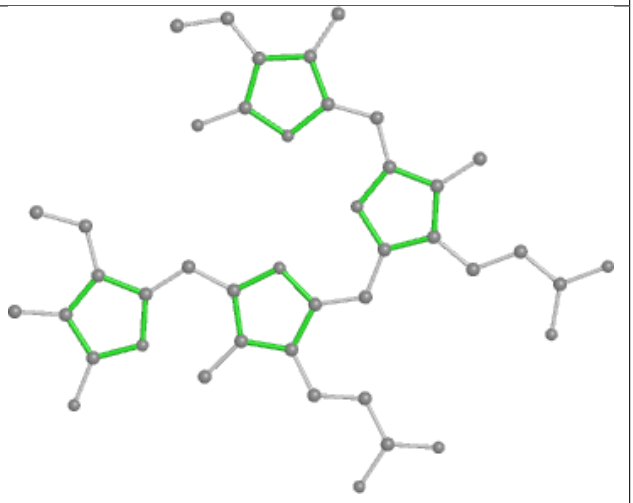
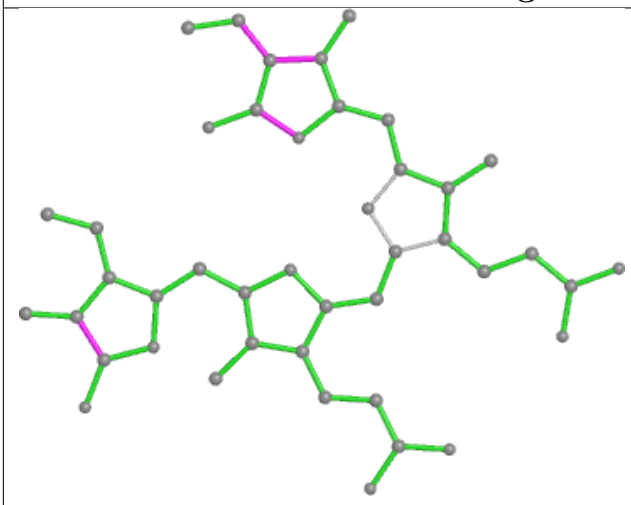


Rings

Ligand PEB Z2 201



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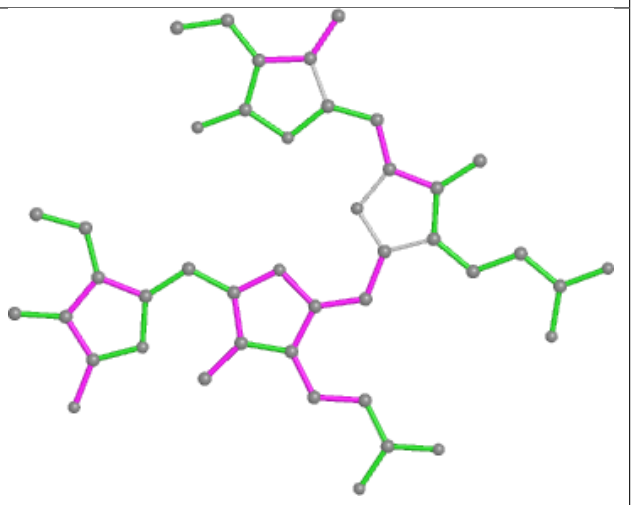
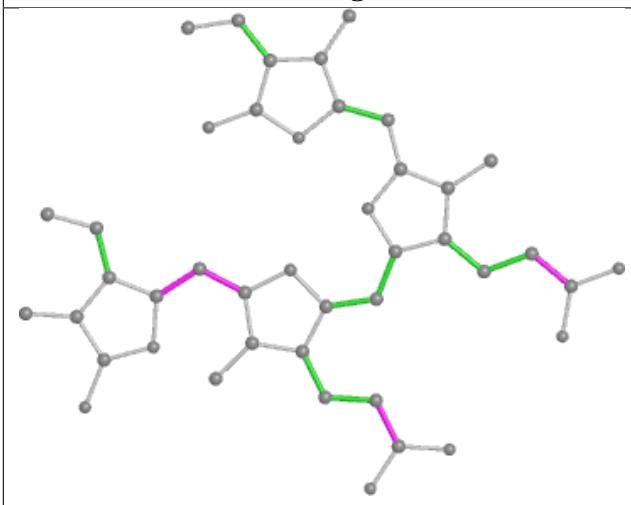


Bond angles



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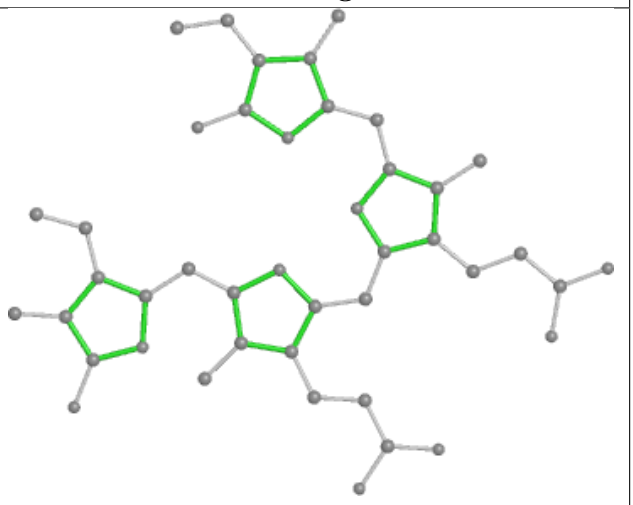
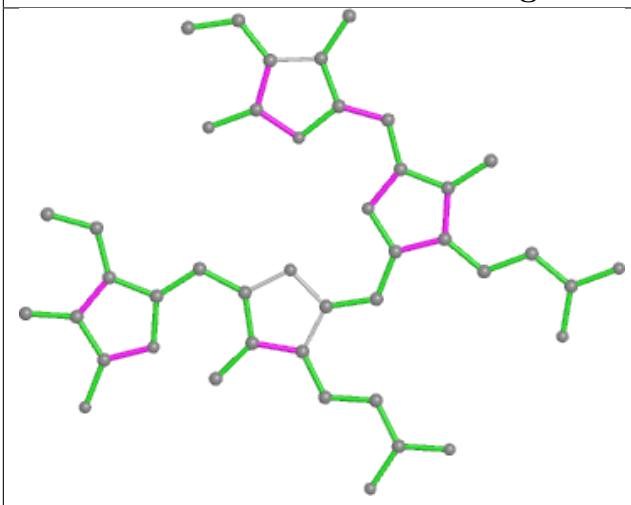


Rings

Ligand PUB s7 203



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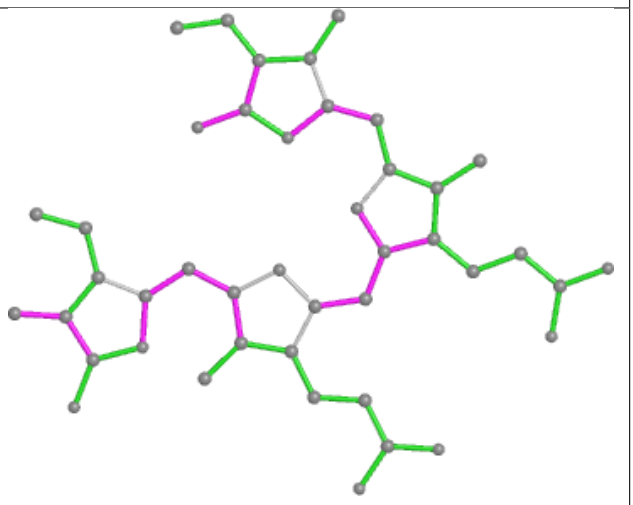

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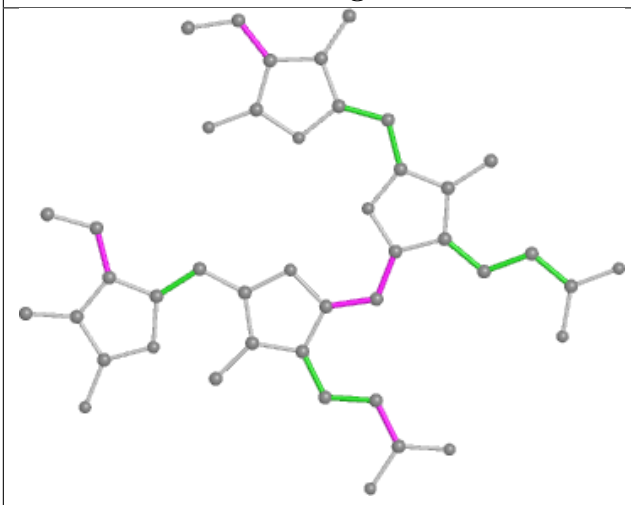

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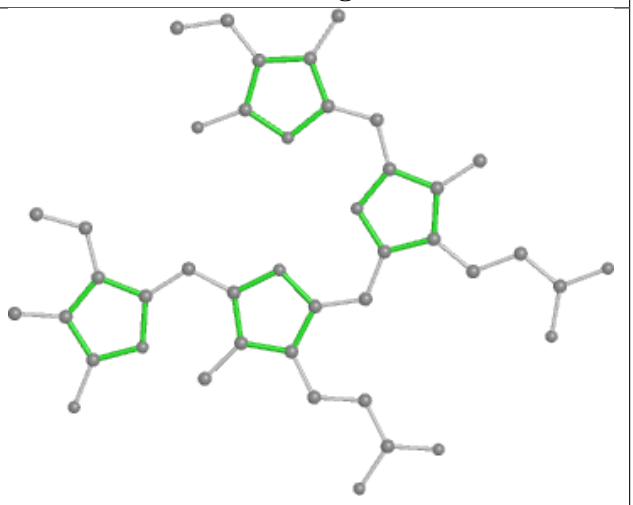
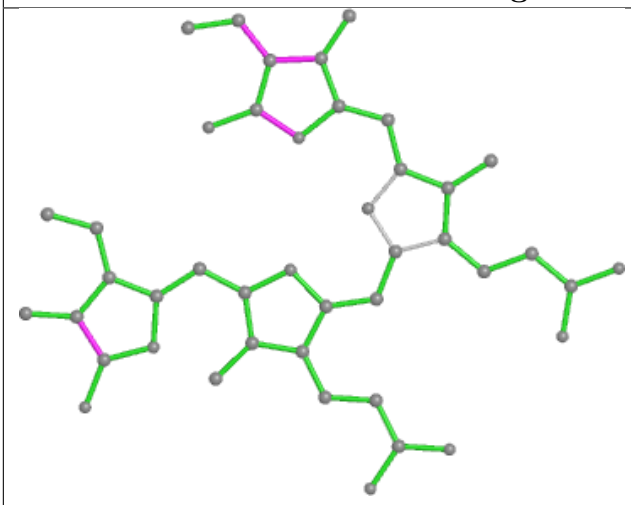


Rings

Ligand PEB W2 201



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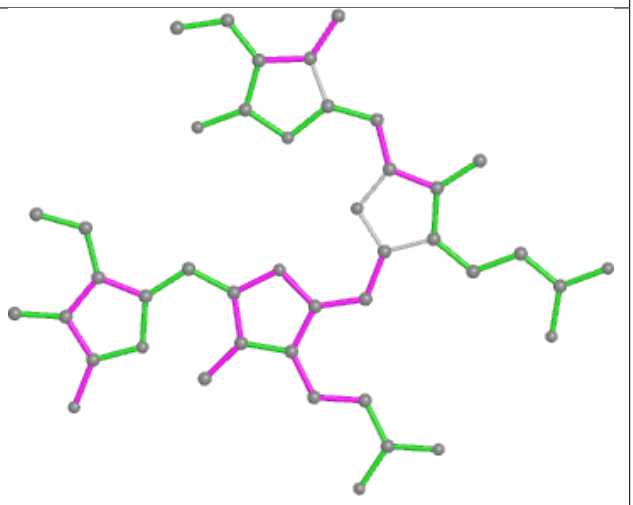

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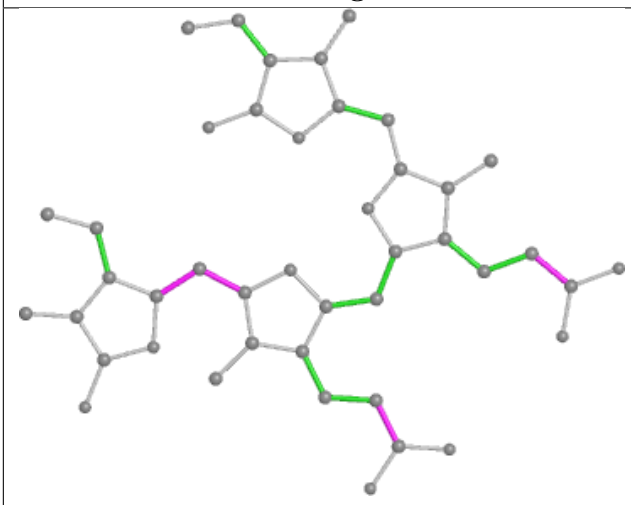

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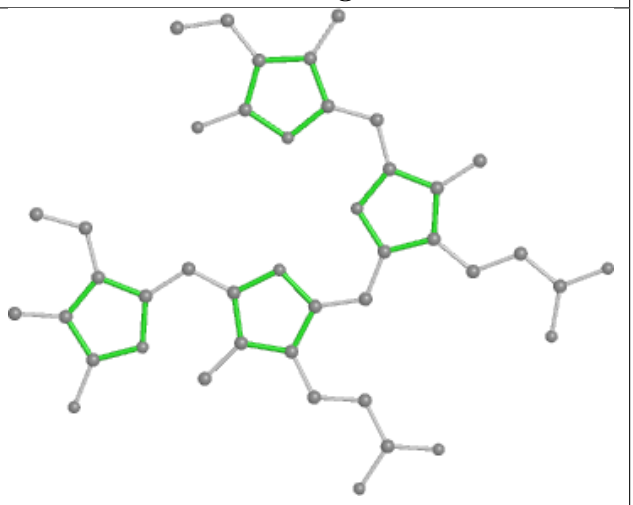
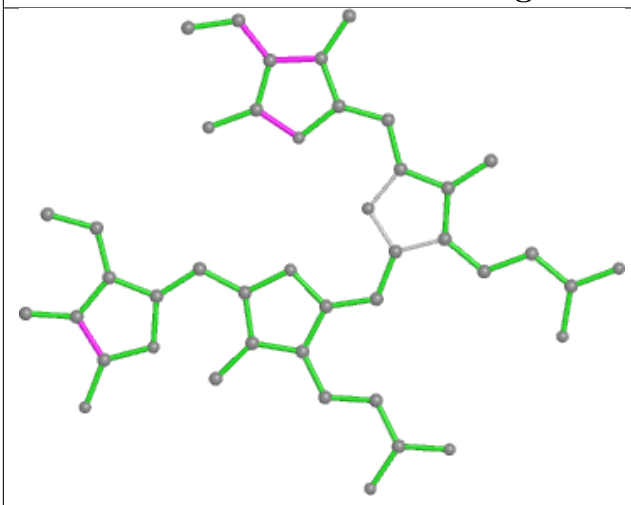


Rings

Ligand PEB aH 202



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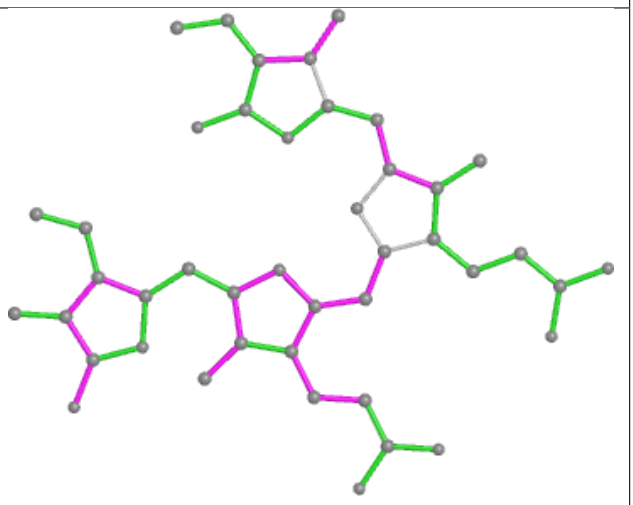

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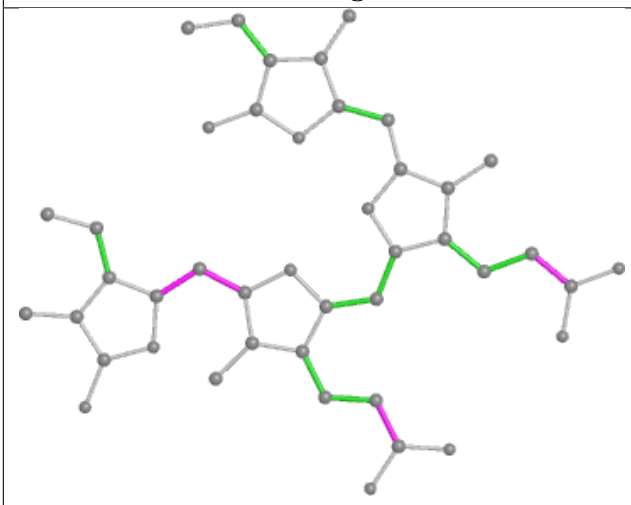

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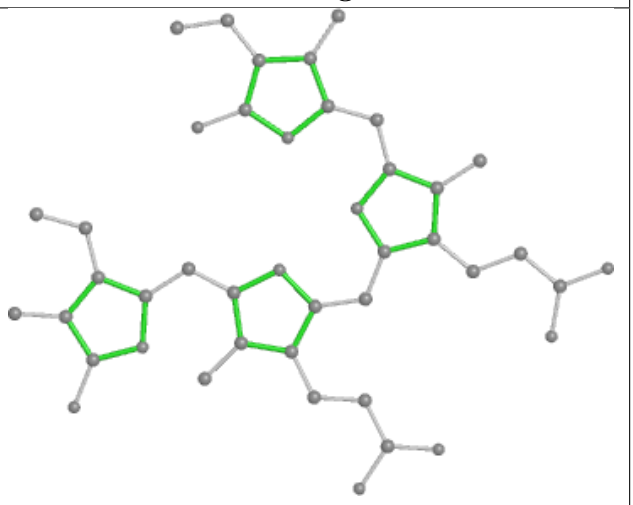
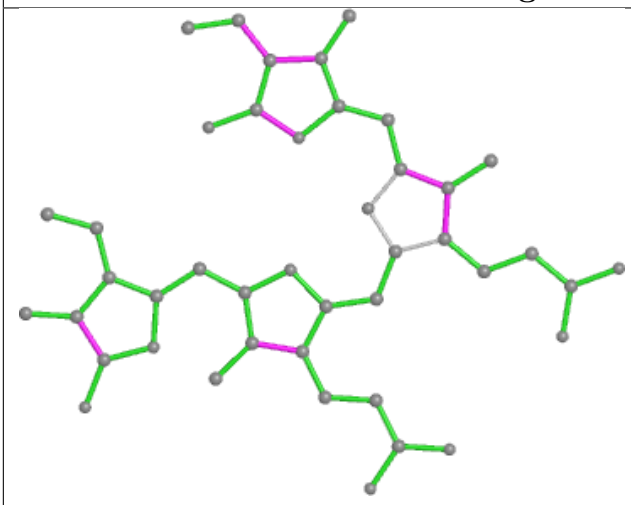


Rings

Ligand PEB n6 202



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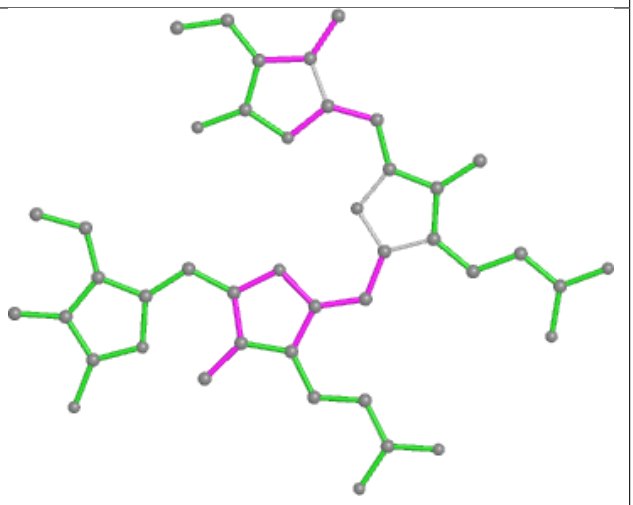

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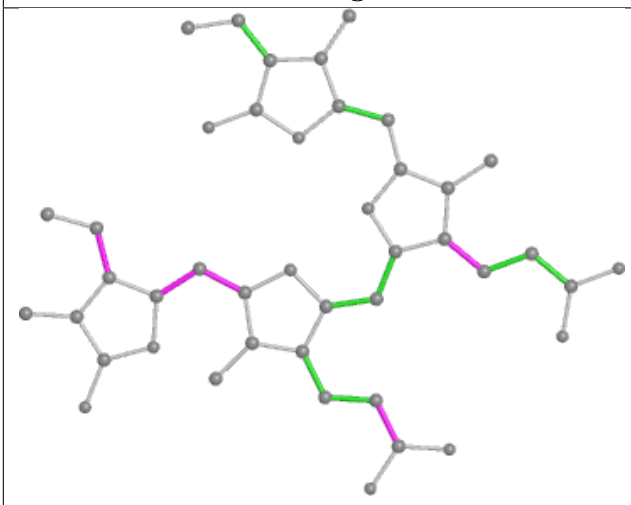

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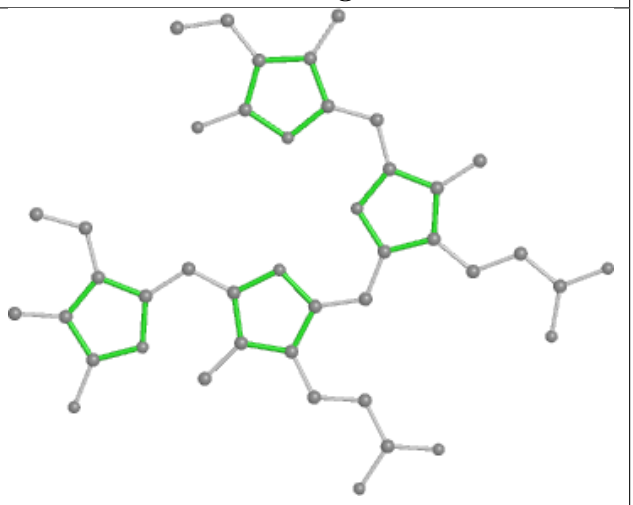
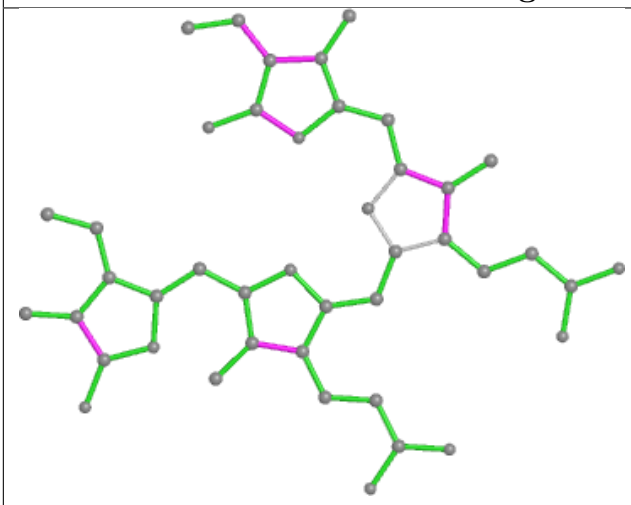


Rings

Ligand PEB p3 202



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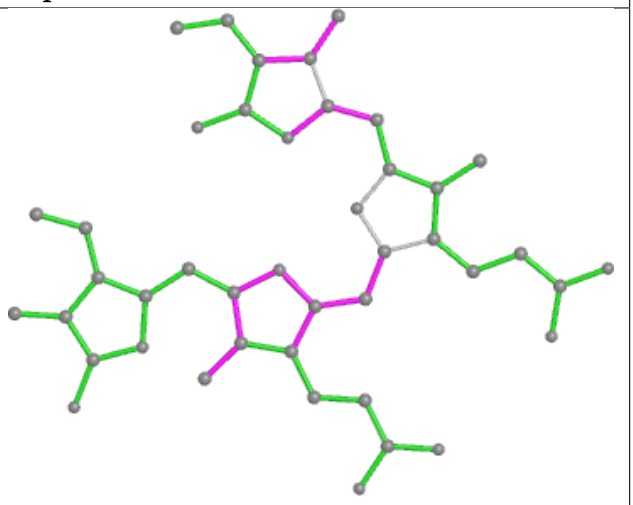
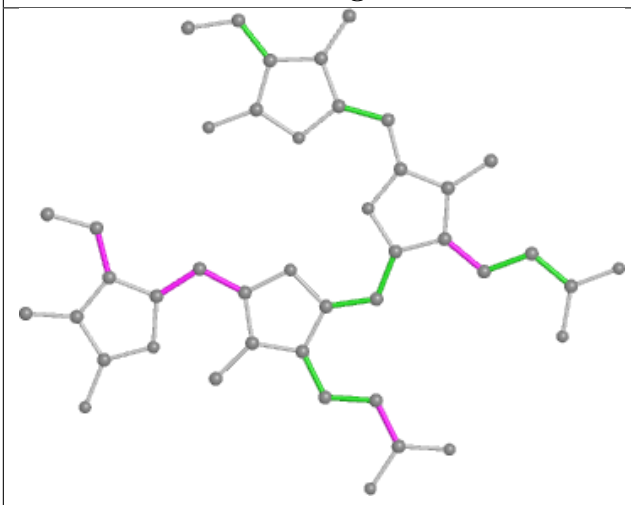
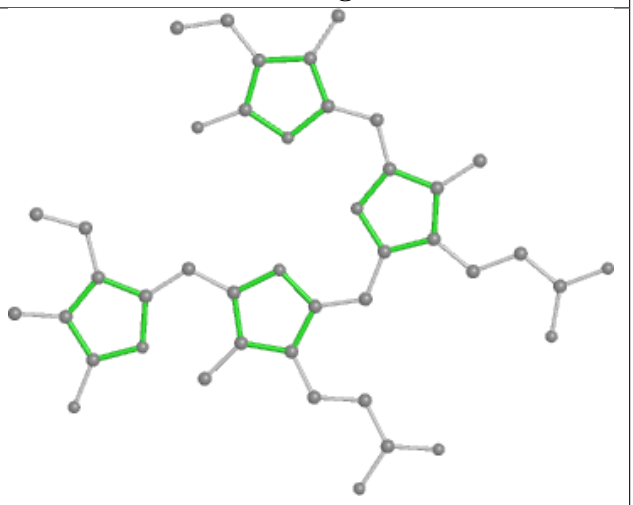


Bond angles

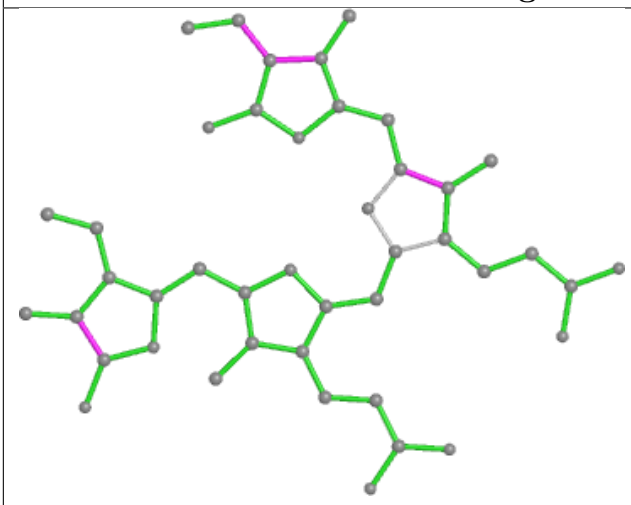


Torsions



Rings

Ligand PEB n6 201



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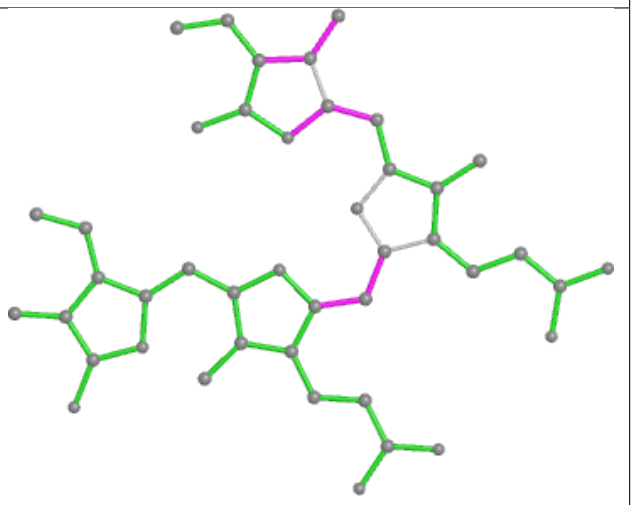
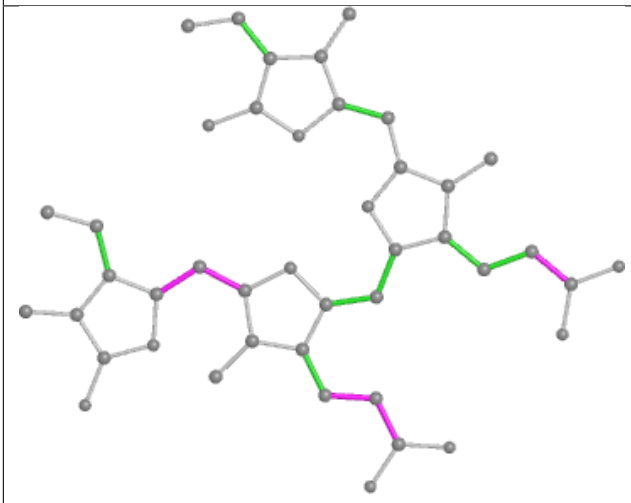


Bond angles



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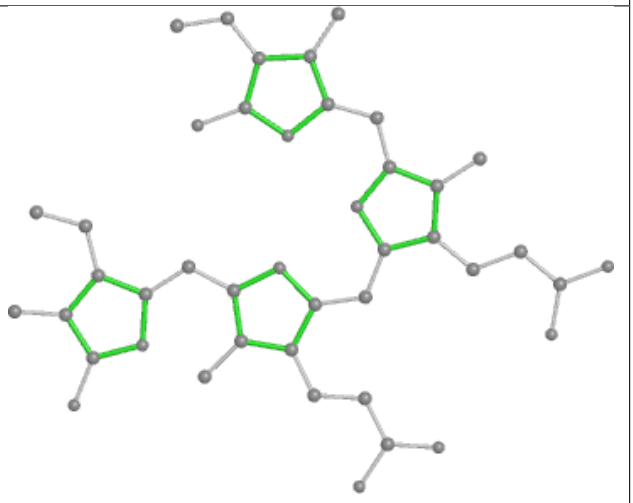
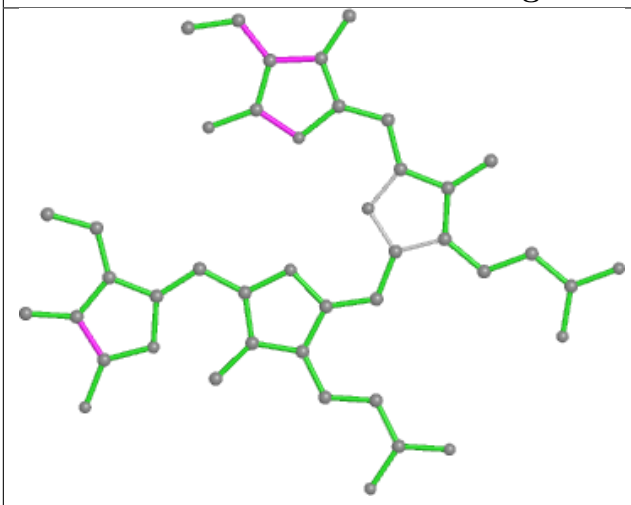


Rings

Ligand PEB dj 201



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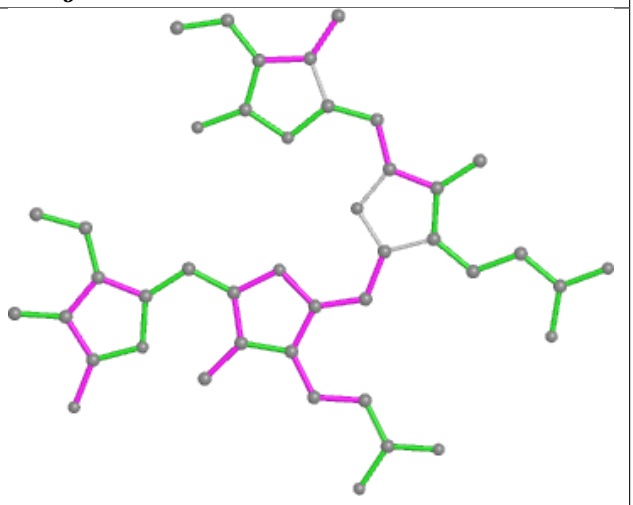
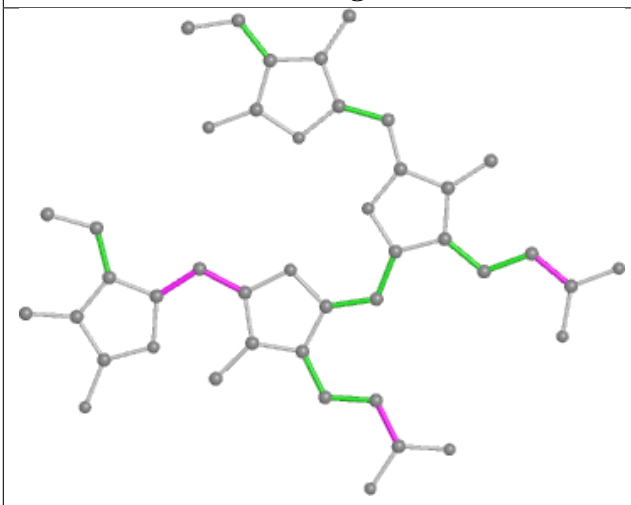


Bond angles



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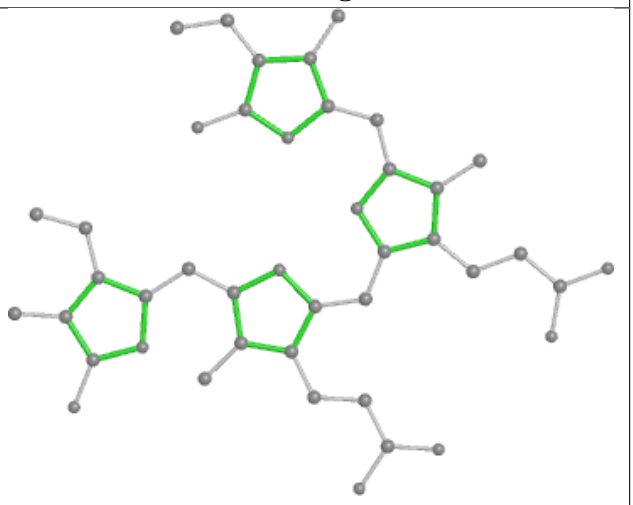
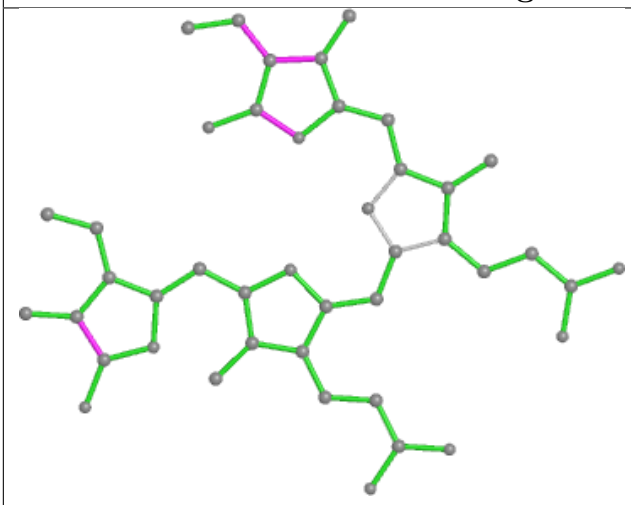


Rings

Ligand PEB bZ 301



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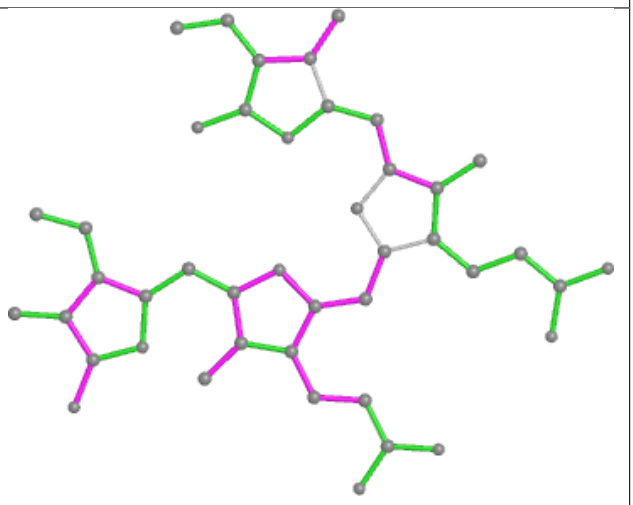

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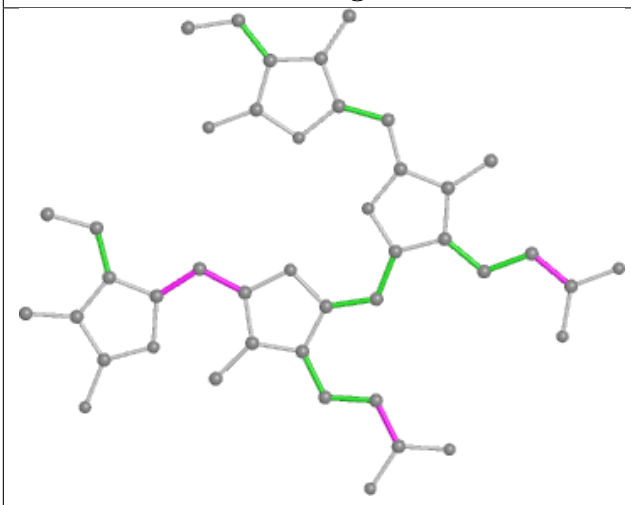
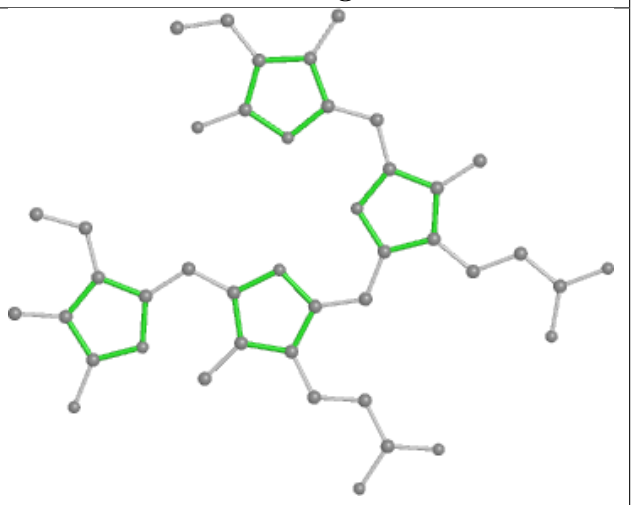
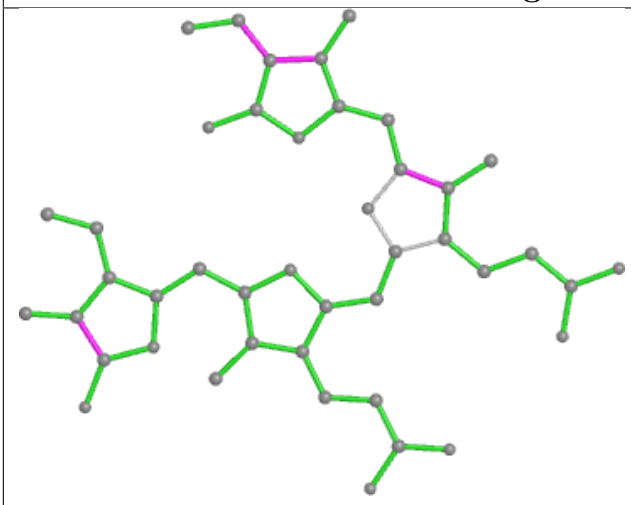


Torsions

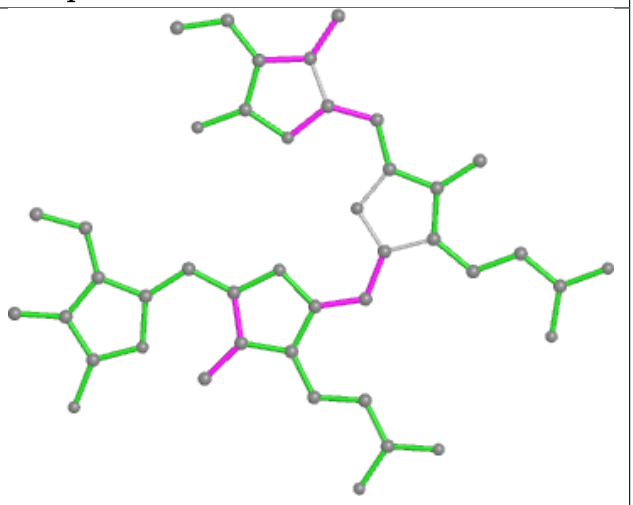


Rings

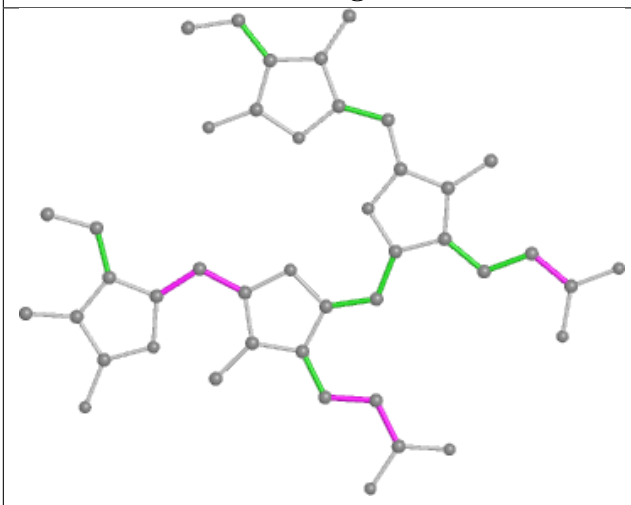
Ligand PEB lq 203



Bond lengths



Bond angles



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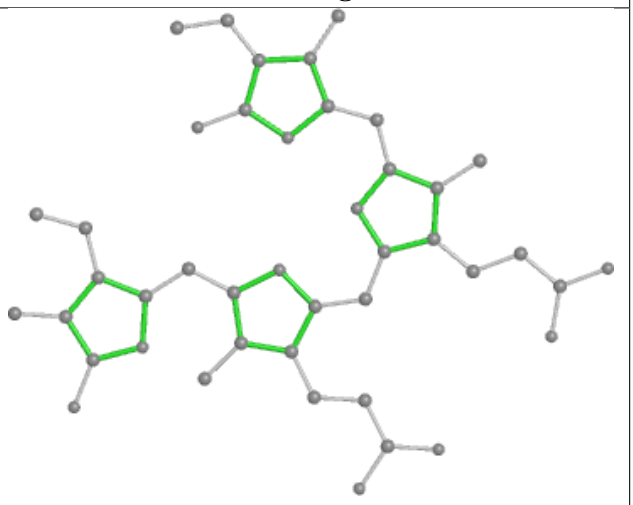
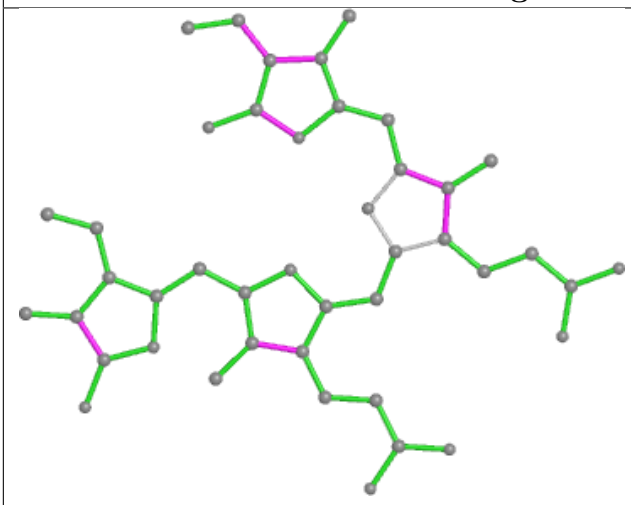


Rings

Ligand PEB iC 1002



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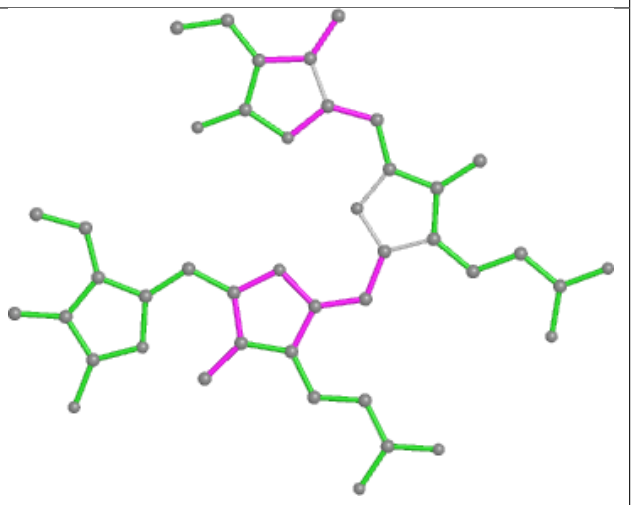
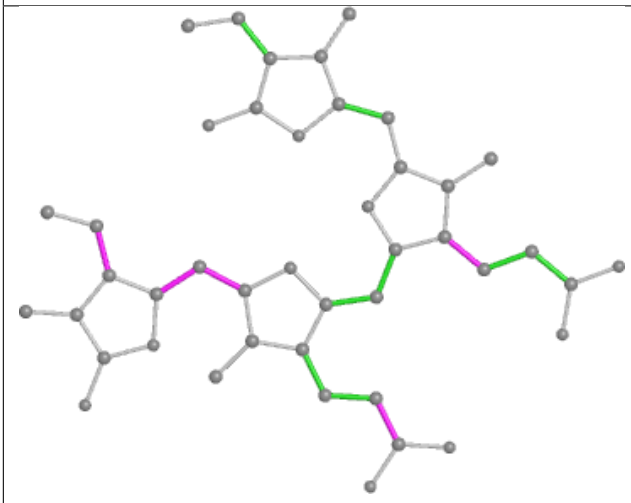
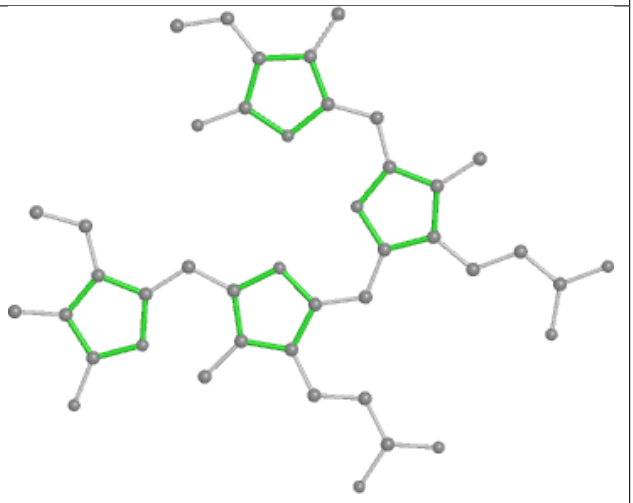


Bond angles

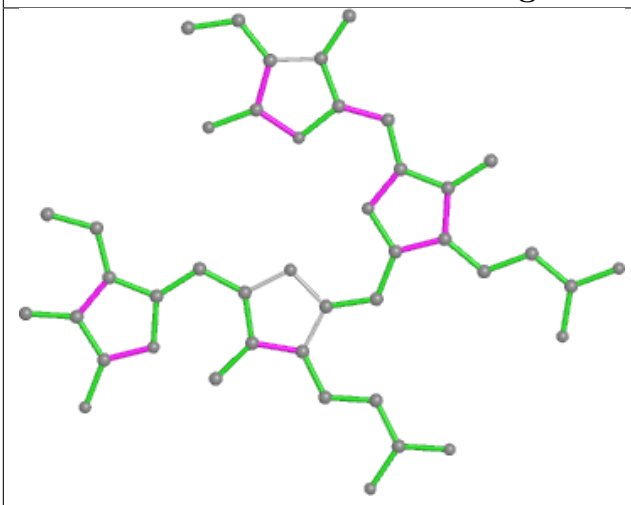


Torsions



Rings

Ligand PUB z9 203



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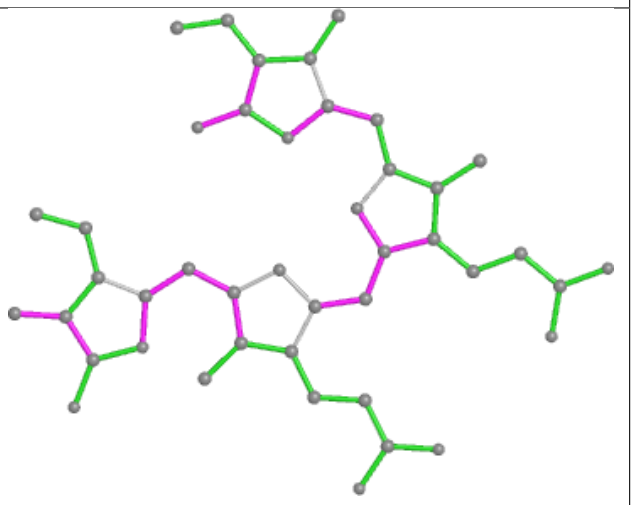
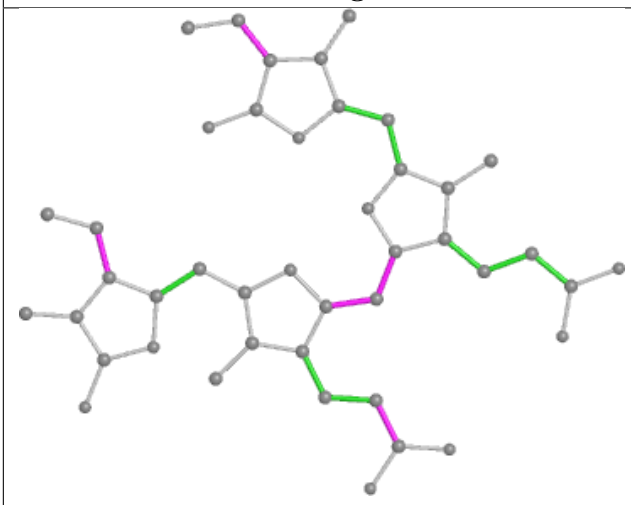


Bond angles



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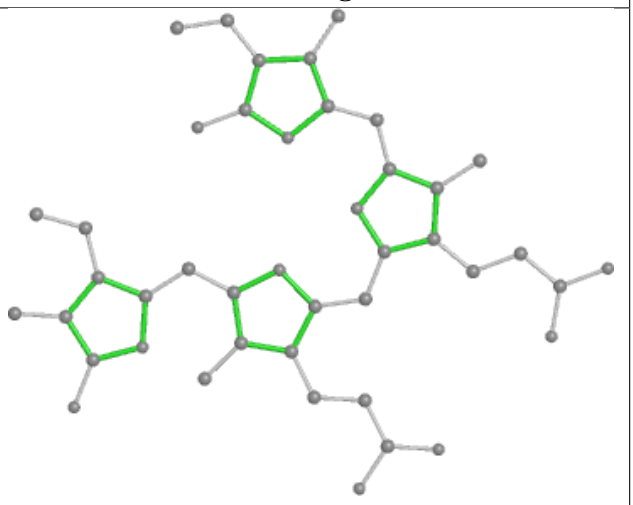
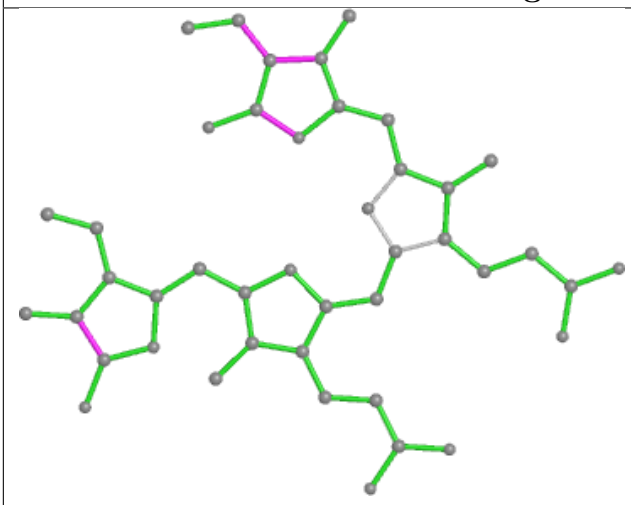


Rings

Ligand PEB i6 201



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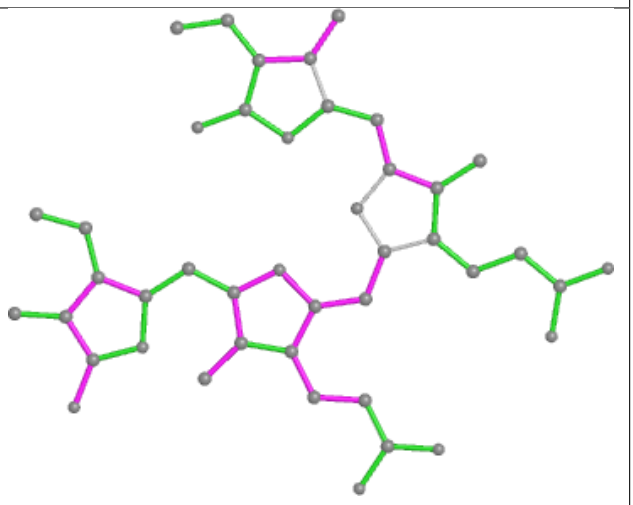

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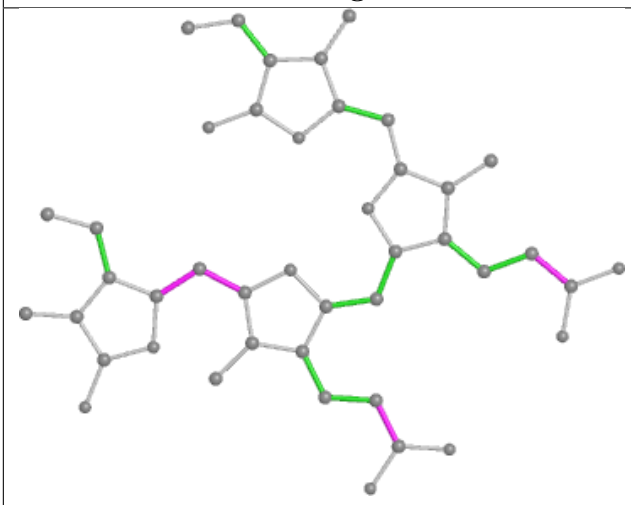

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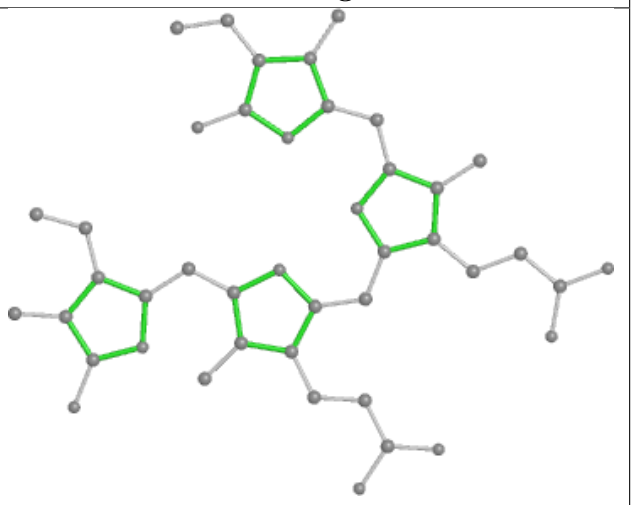
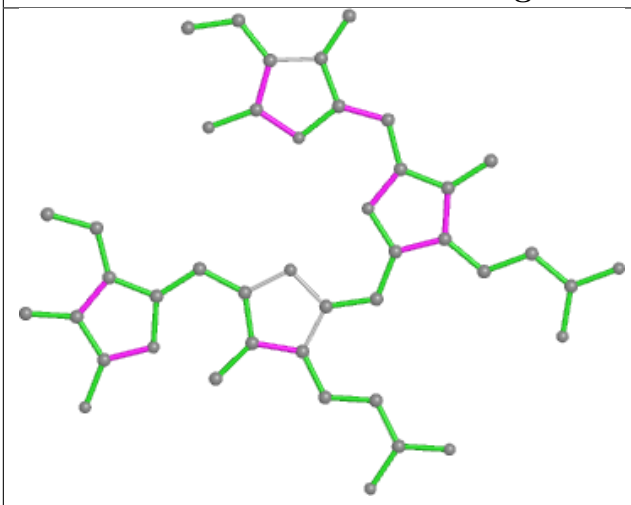


Rings

Ligand PUB P7 203



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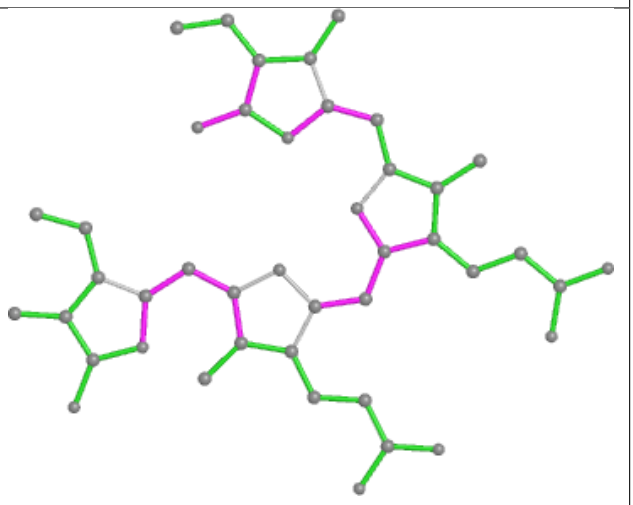

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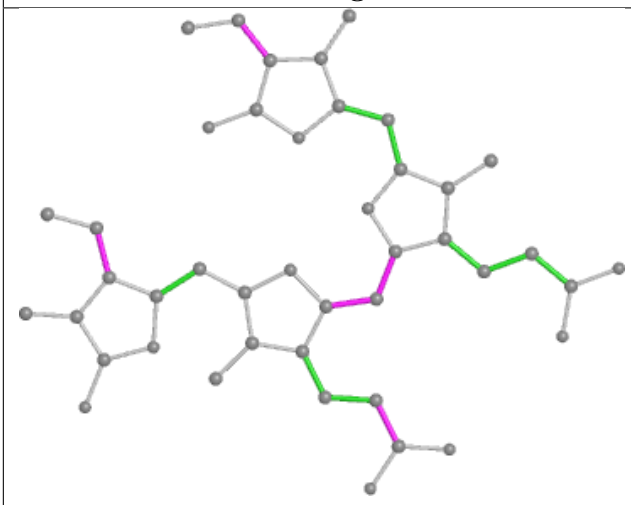

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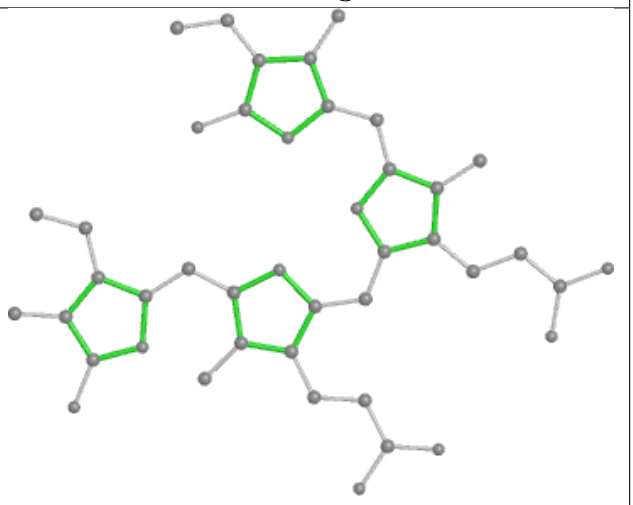
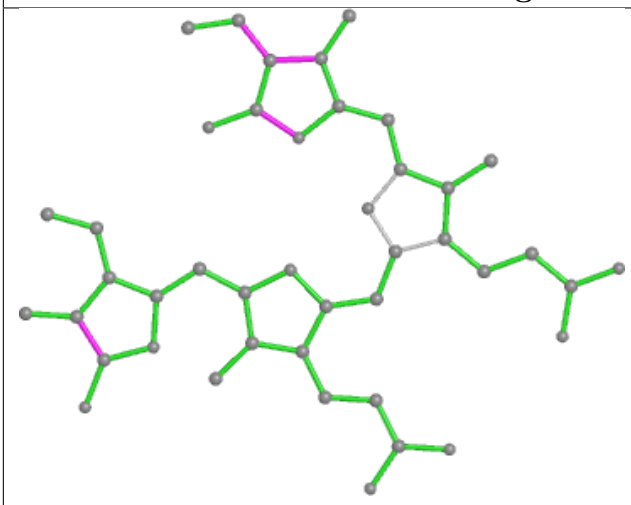


Rings

Ligand PEB U7 201



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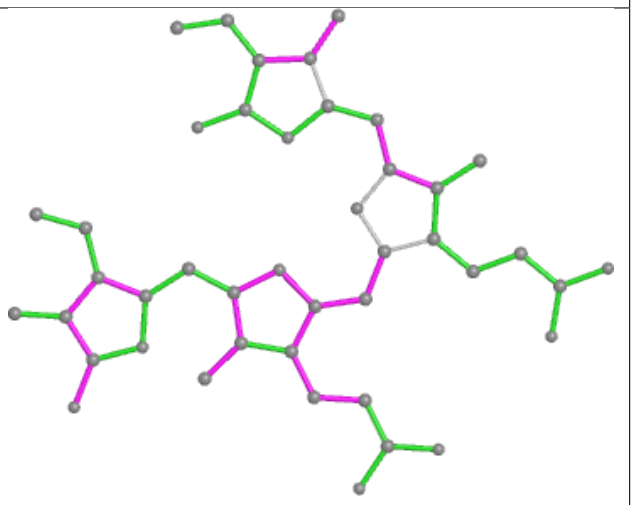

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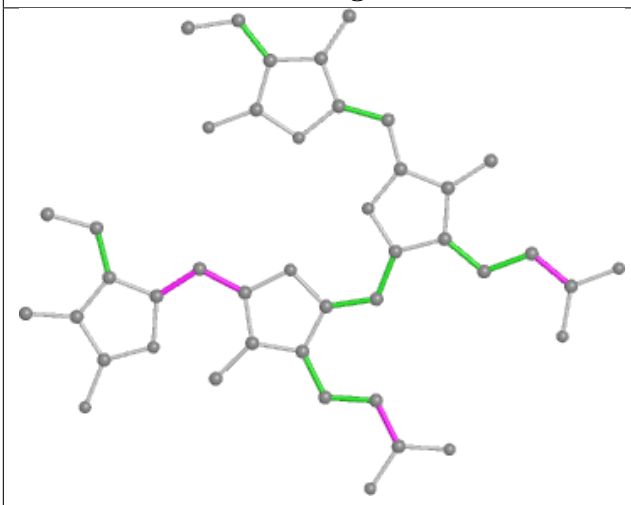

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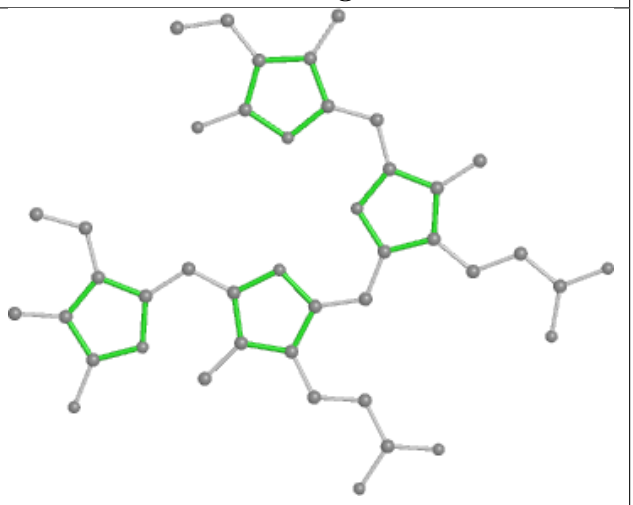
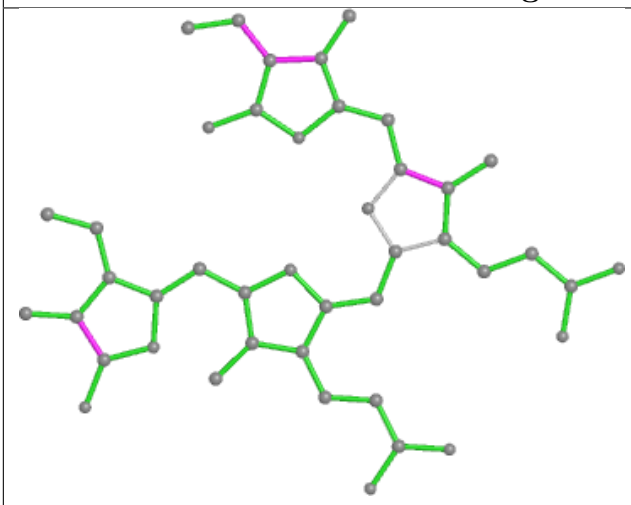


Rings

Ligand PEB s4 202



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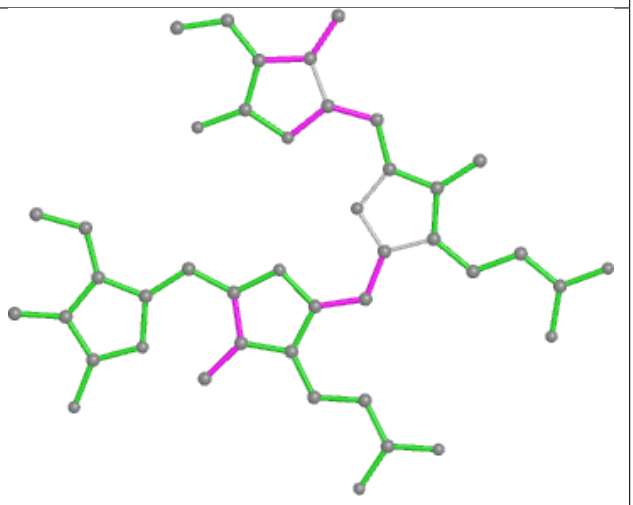

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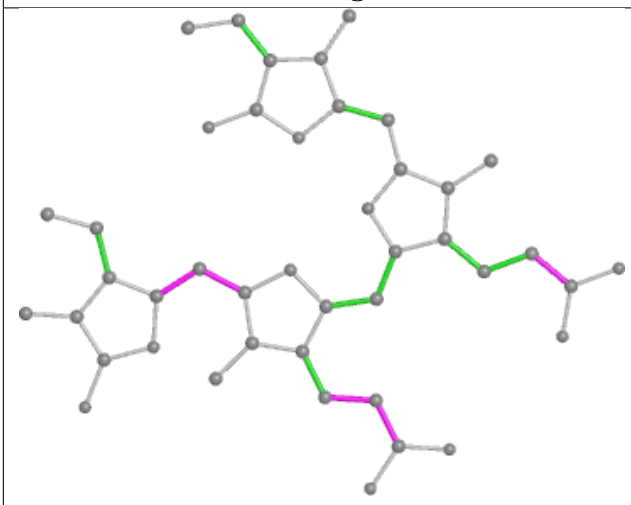

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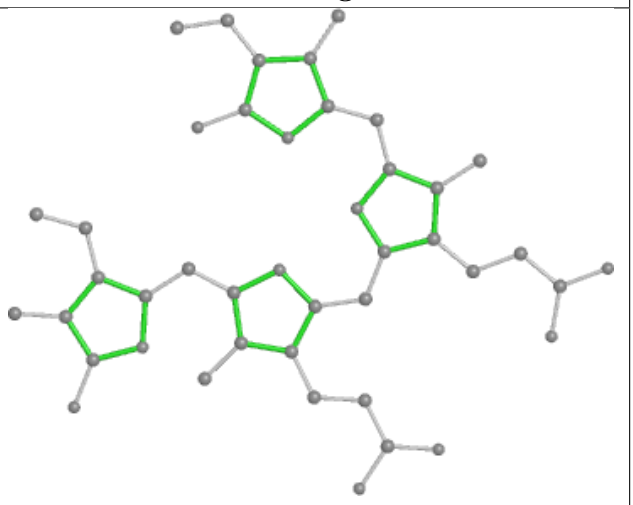
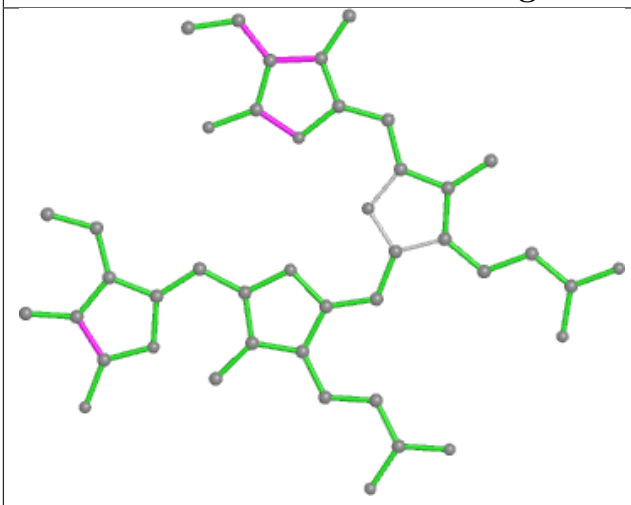


Rings

Ligand PEB b3 502



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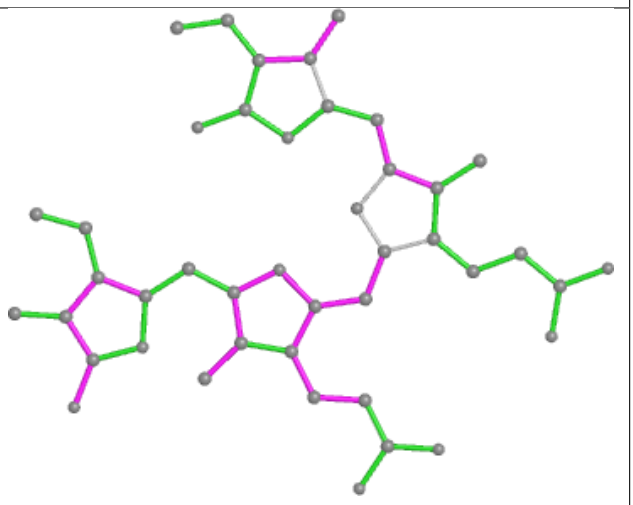

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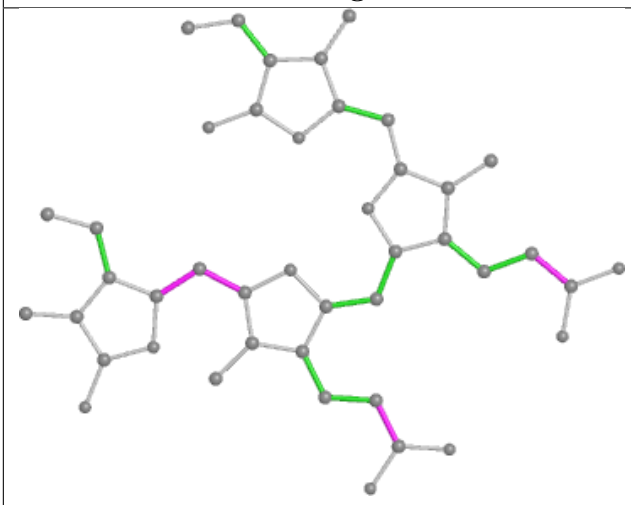

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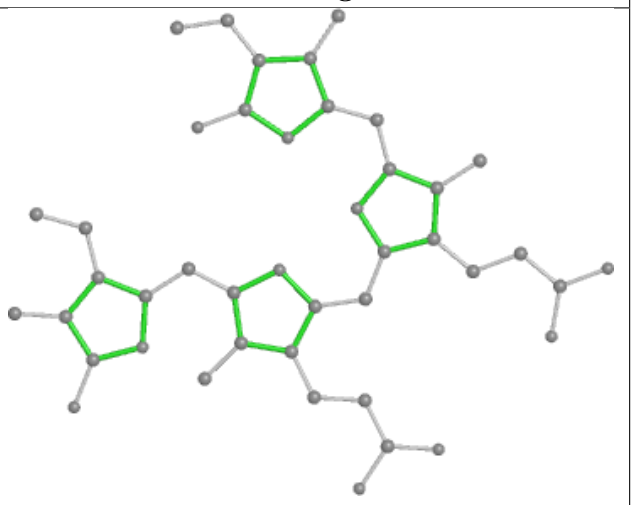
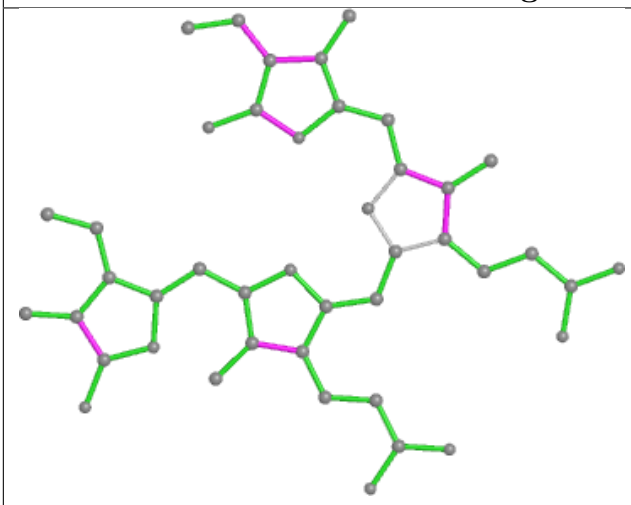


Rings

Ligand PEB ge 202



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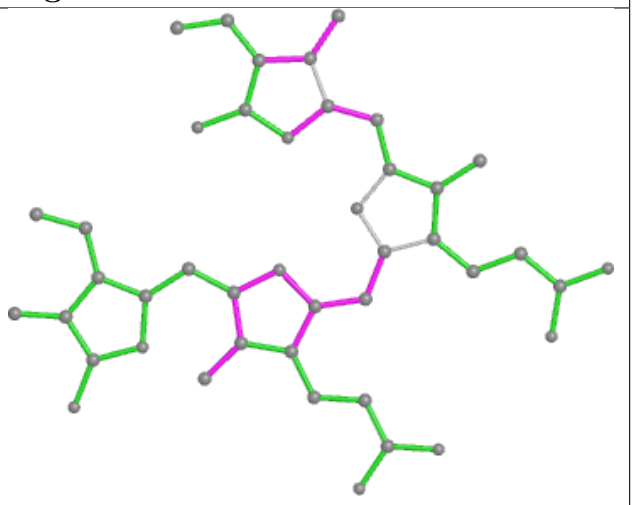

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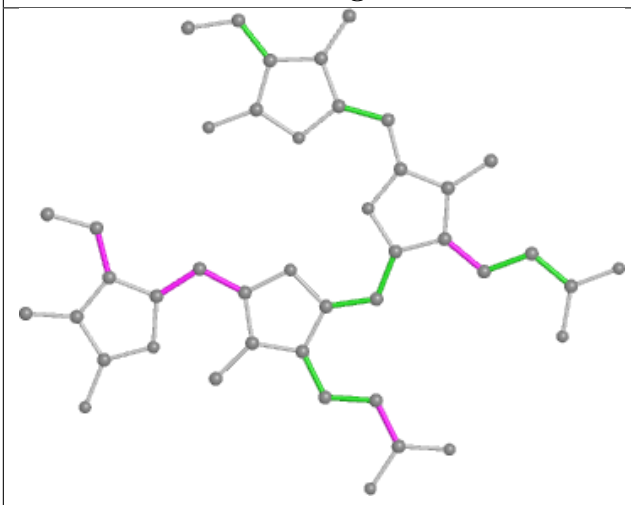

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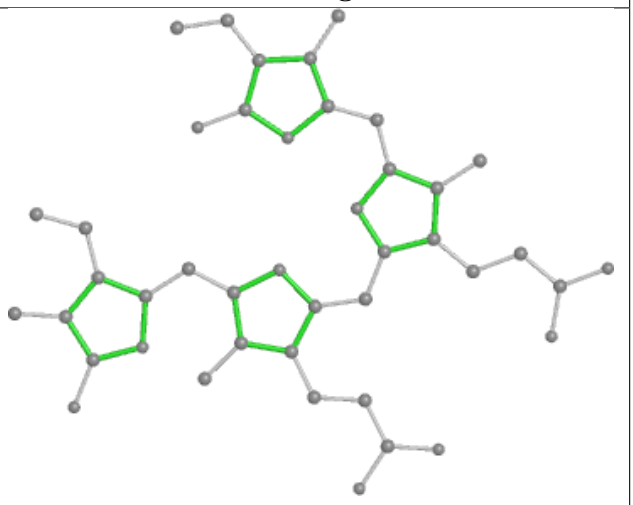
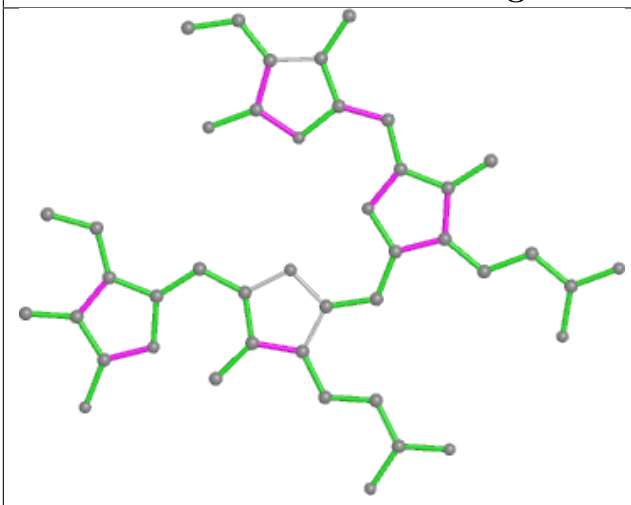


Rings

Ligand PUB jN 1003



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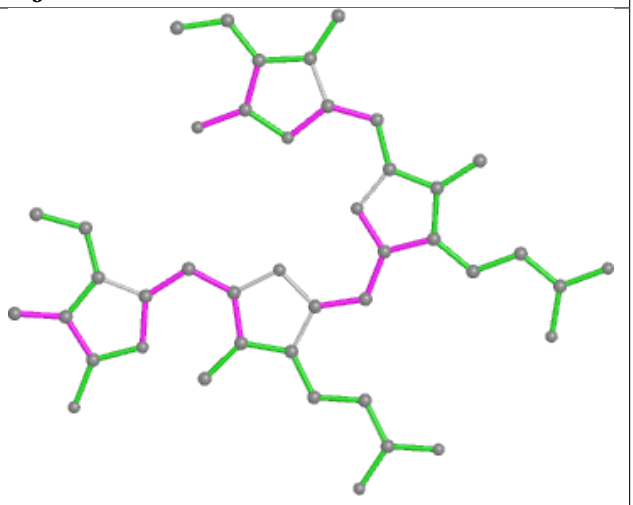

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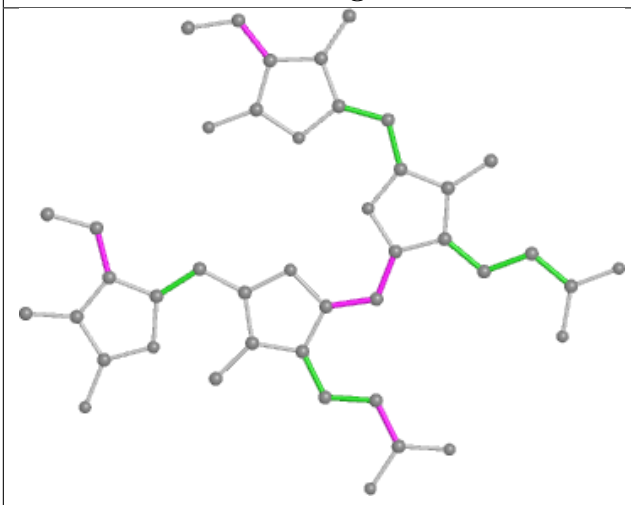

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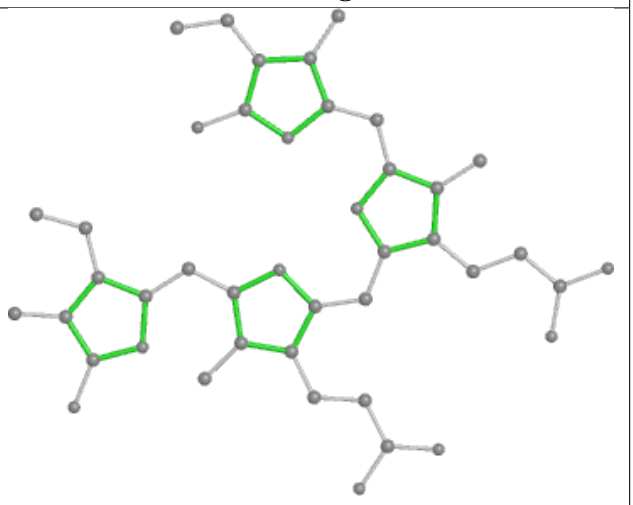
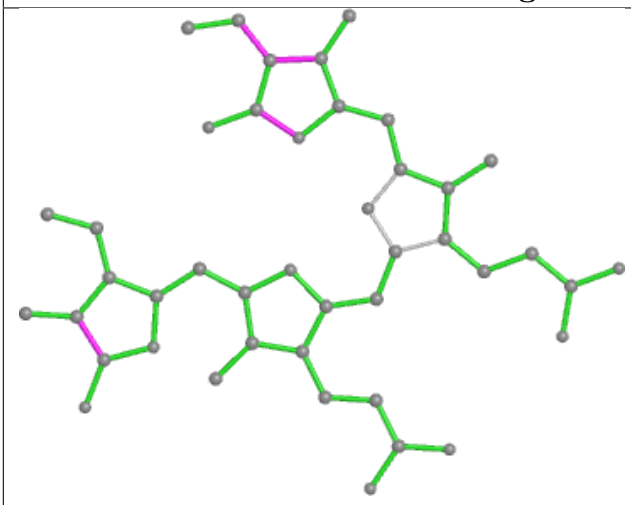


Rings

Ligand PEB p9 201



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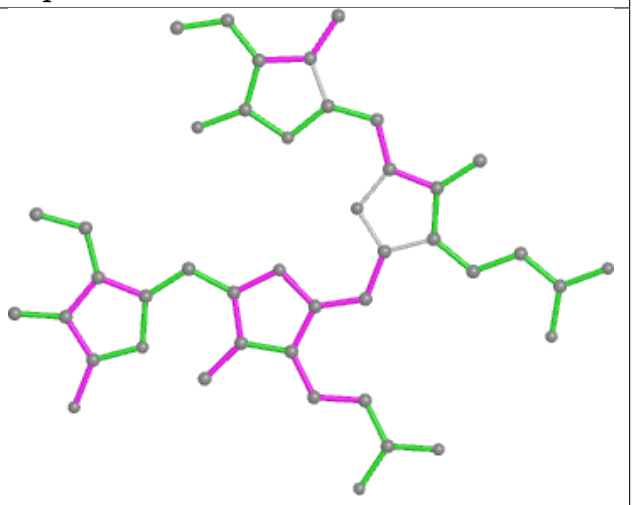

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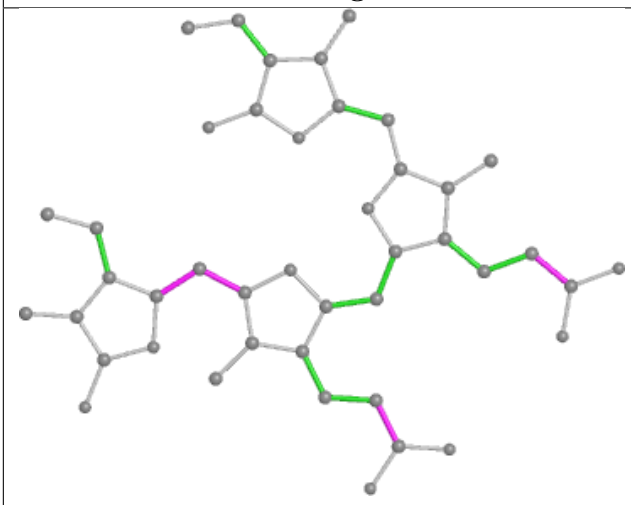

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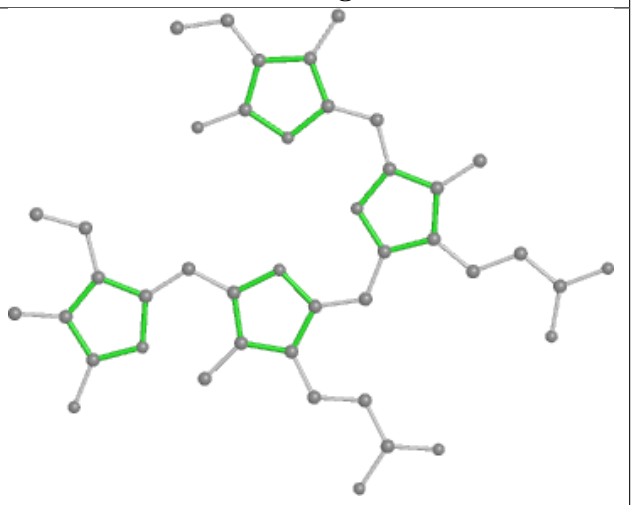
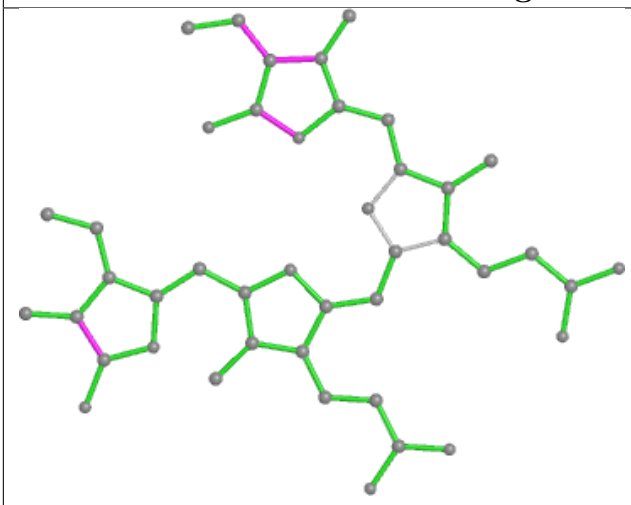


Rings

Ligand PEB H5 201



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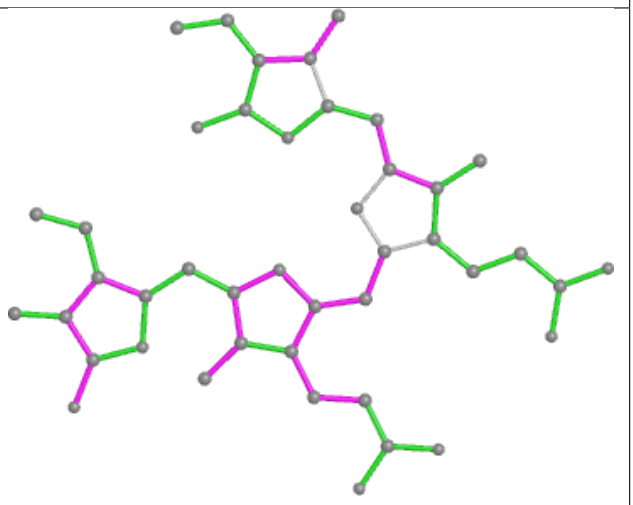

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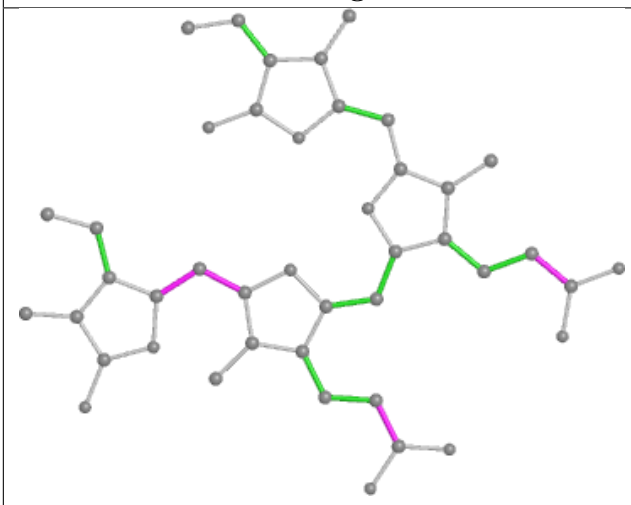

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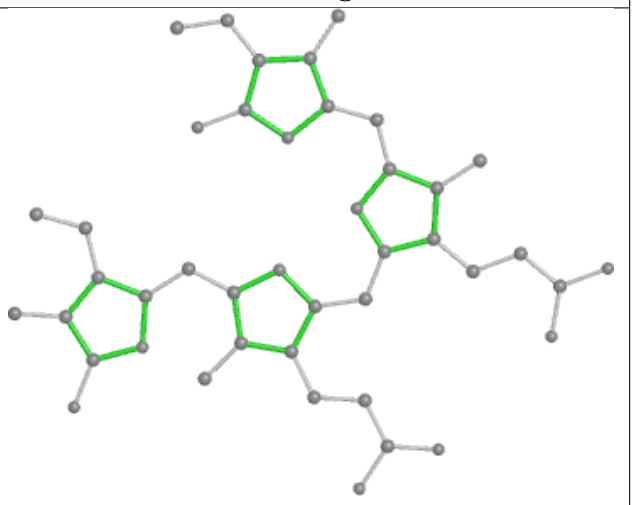
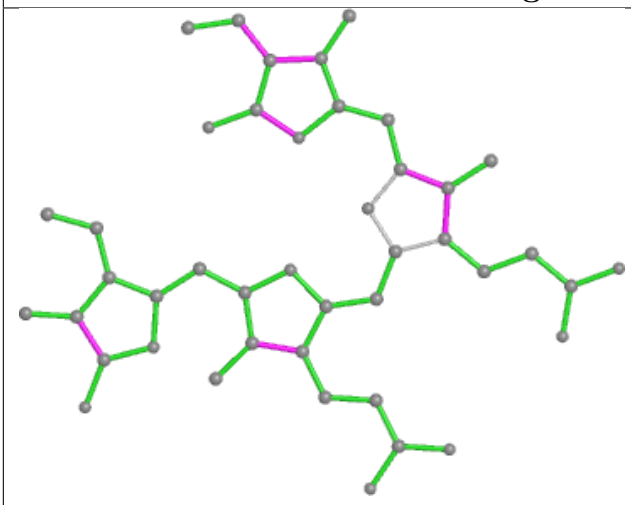


Rings

Ligand PEB lh 202



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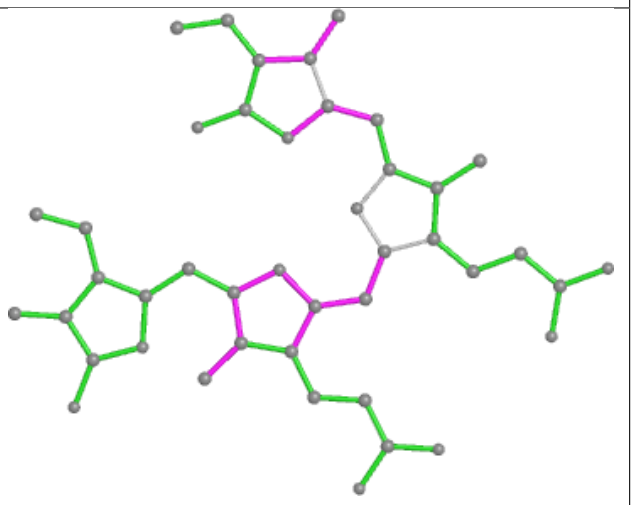

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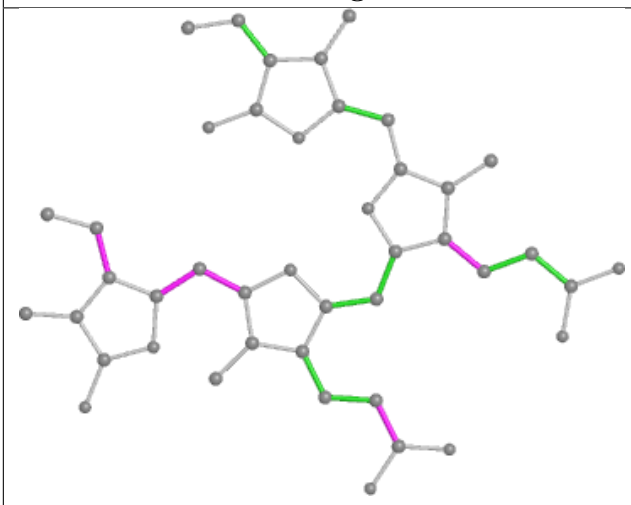

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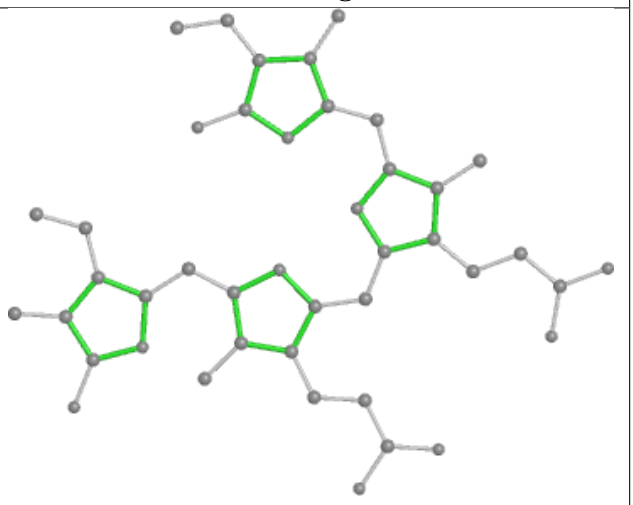
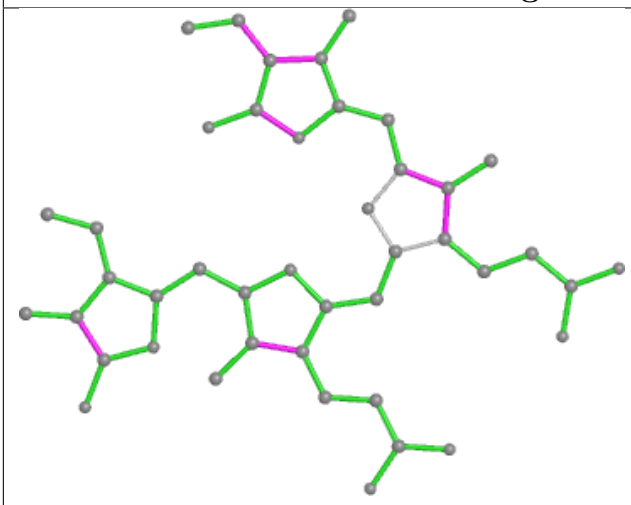


Rings

Ligand PEB gr 201



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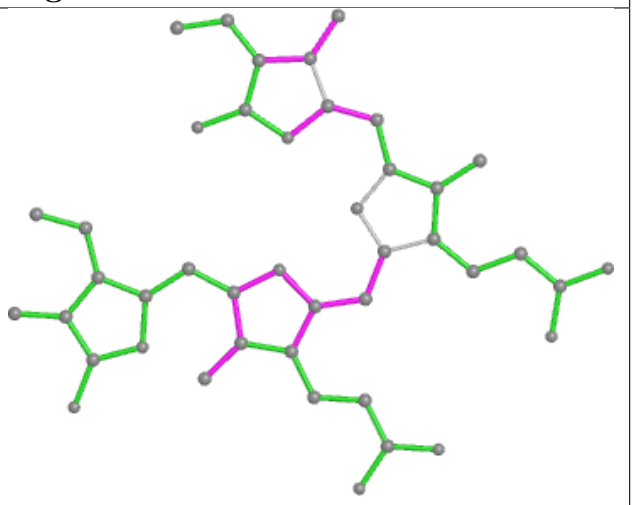

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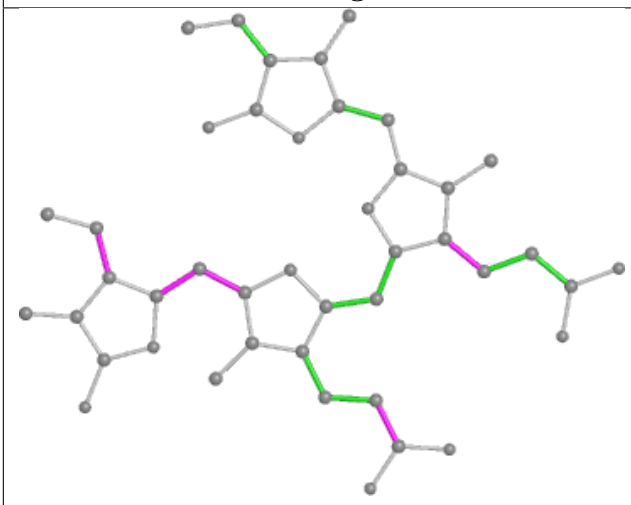

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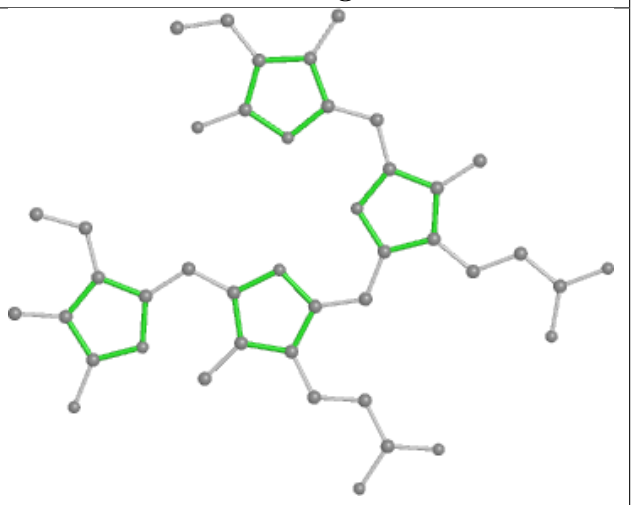
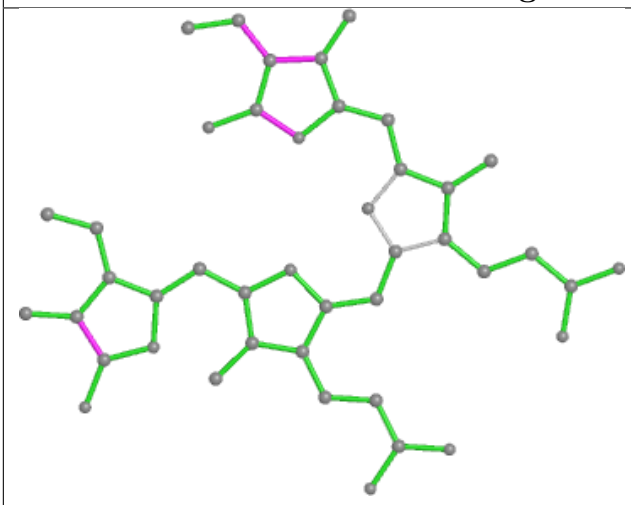


Rings

Ligand PEB ab 201



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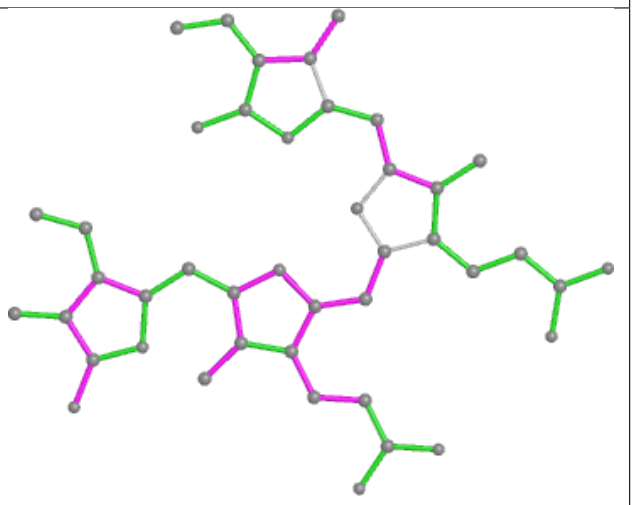
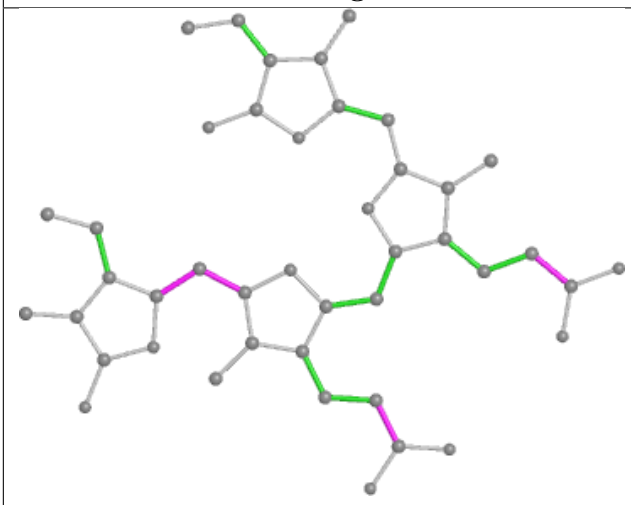


Bond angles



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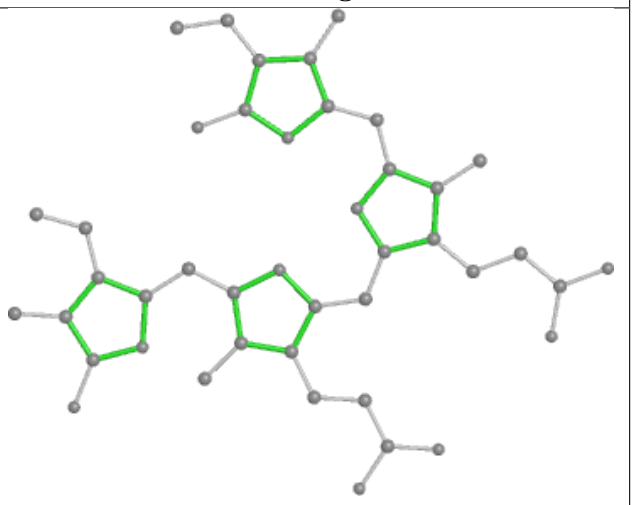
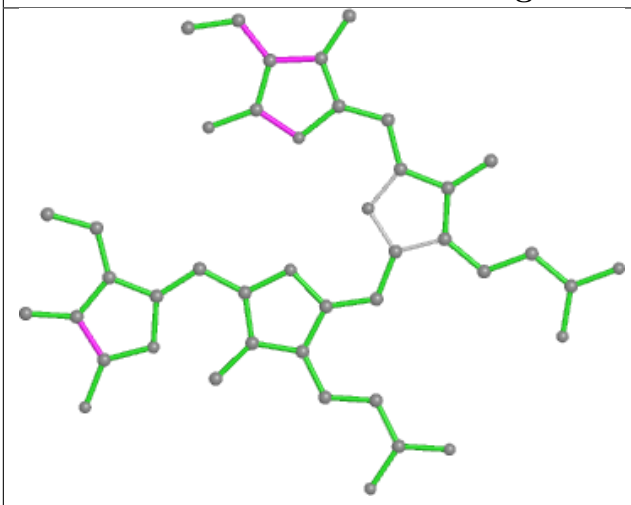
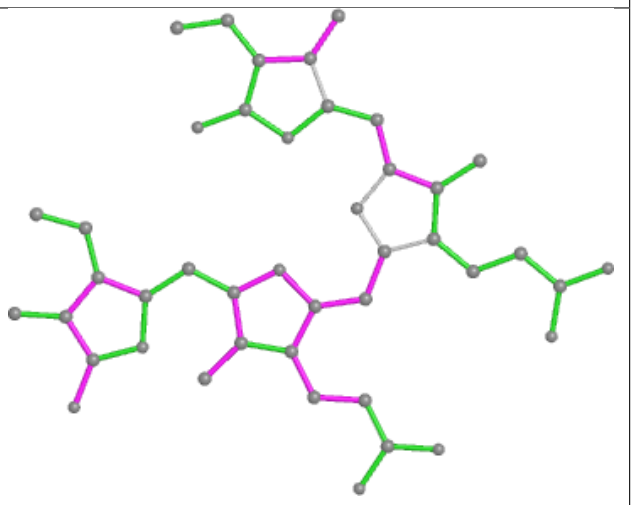


Rings

Ligand PEB aV 201



Bond lengths



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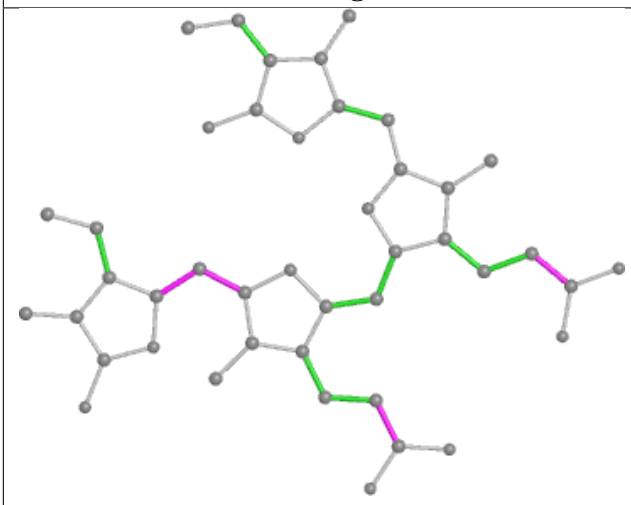
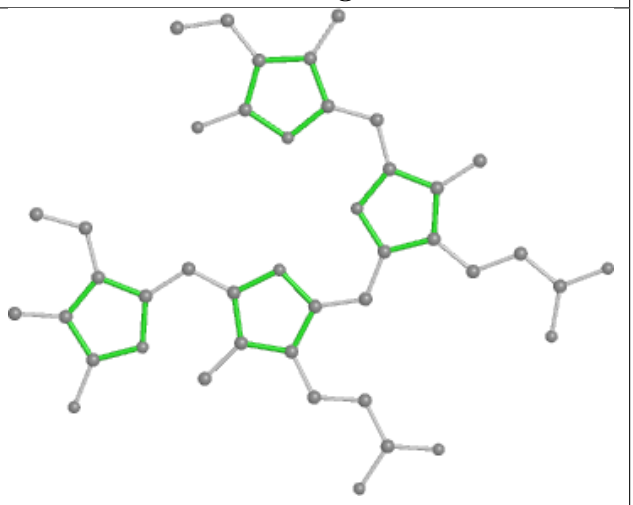
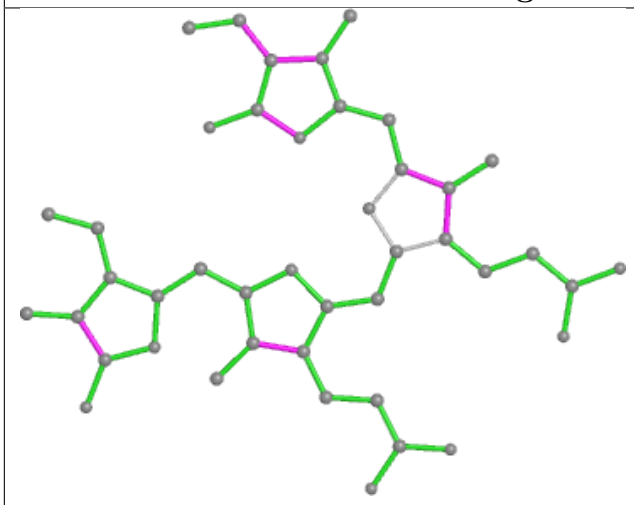


Torsions



Rings

Ligand PEB A5 203



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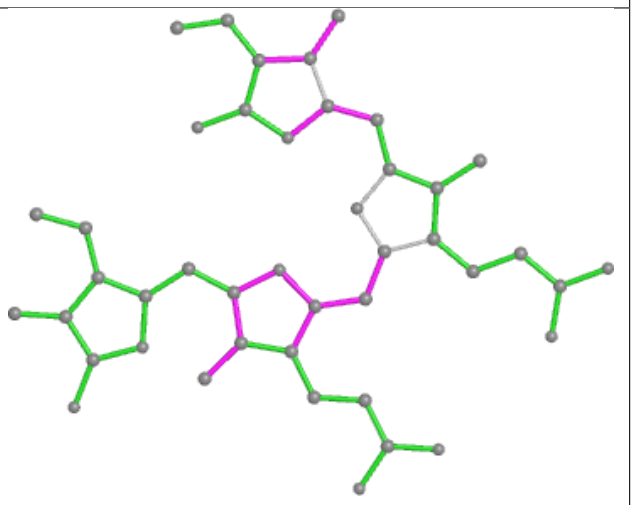

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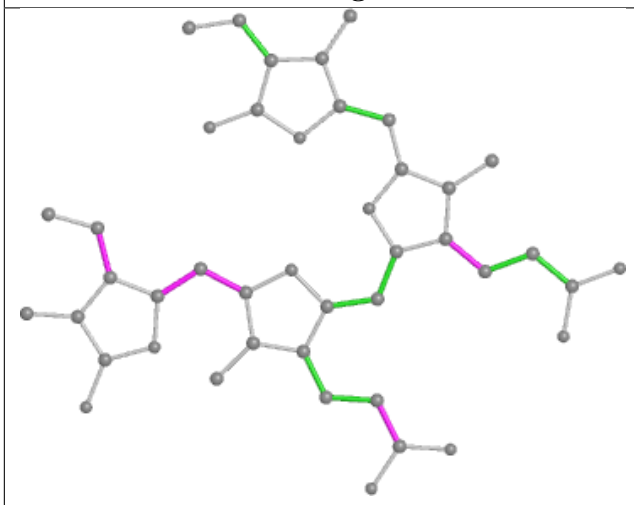

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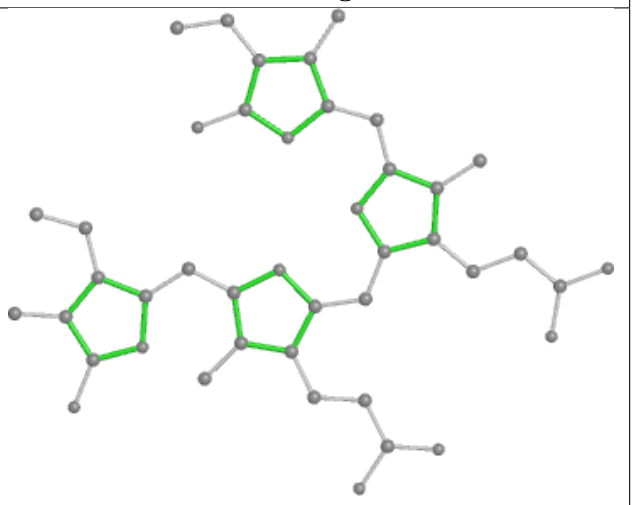
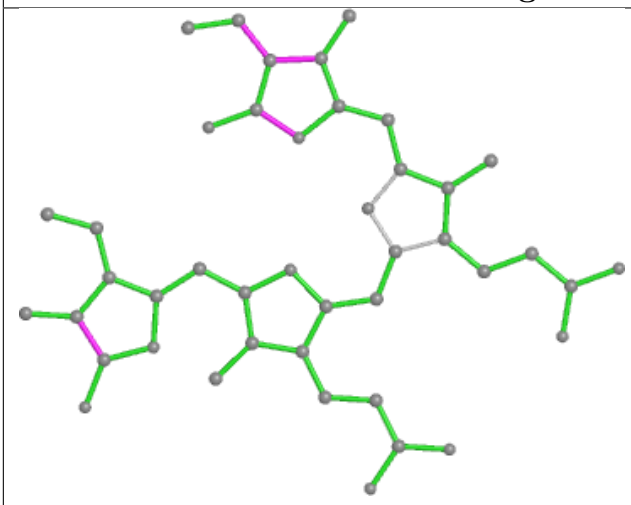


Rings

Ligand PEB u6 202



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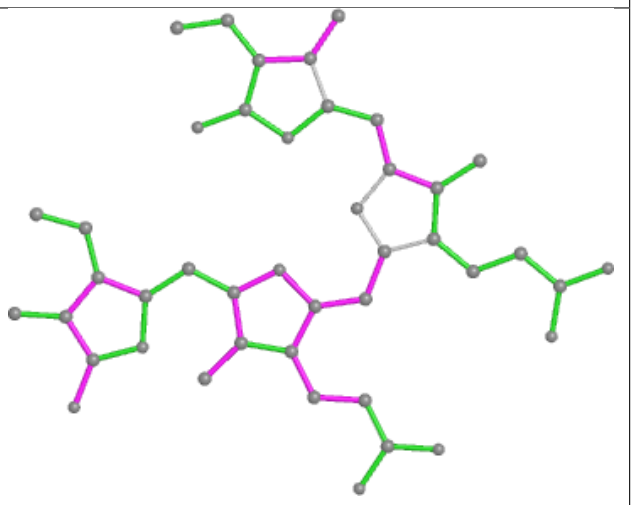

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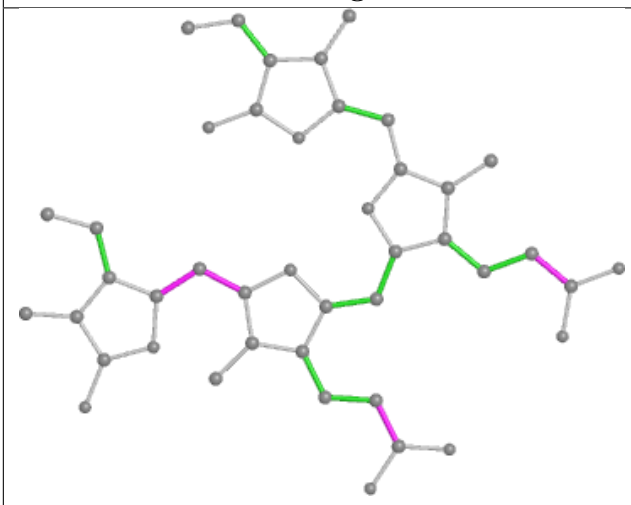

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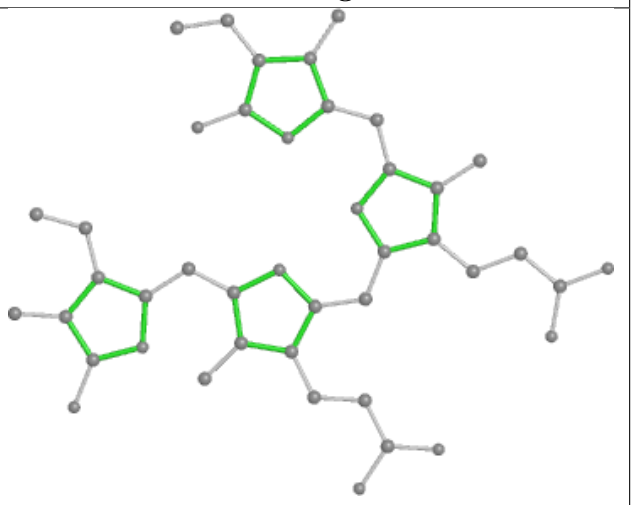
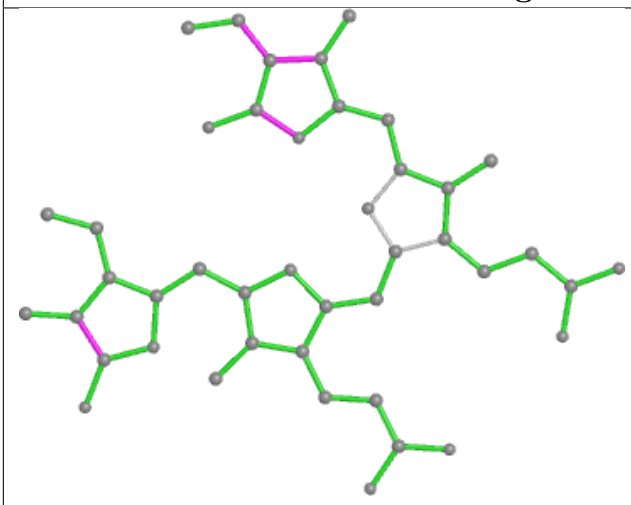


Rings

Ligand PEB D8 202



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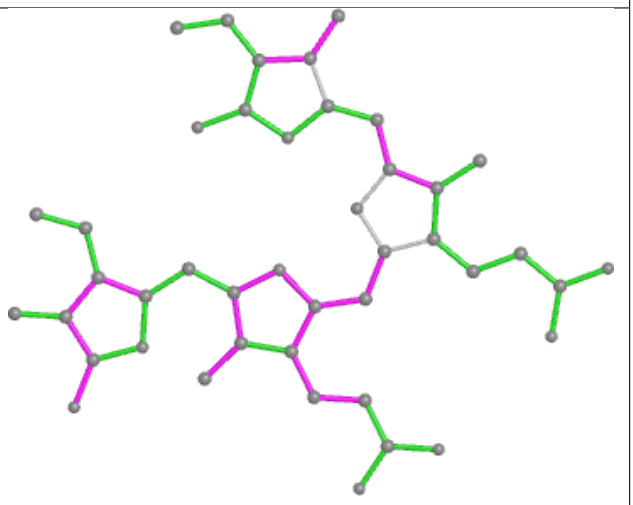

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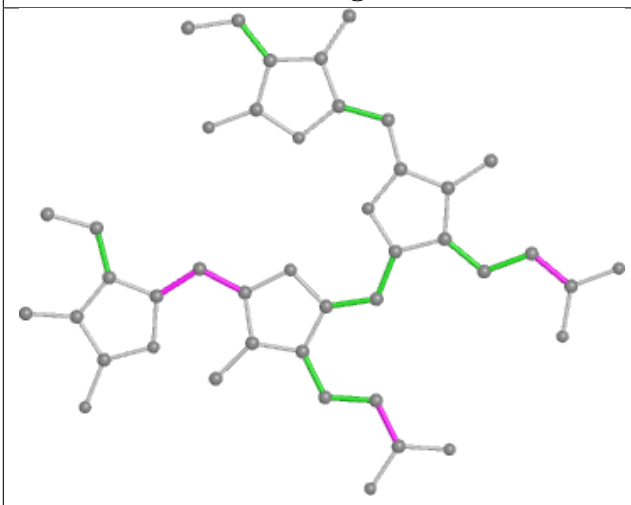

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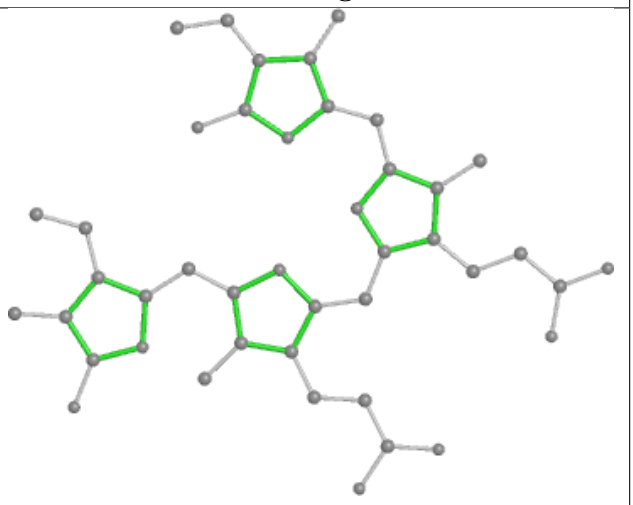

Rings

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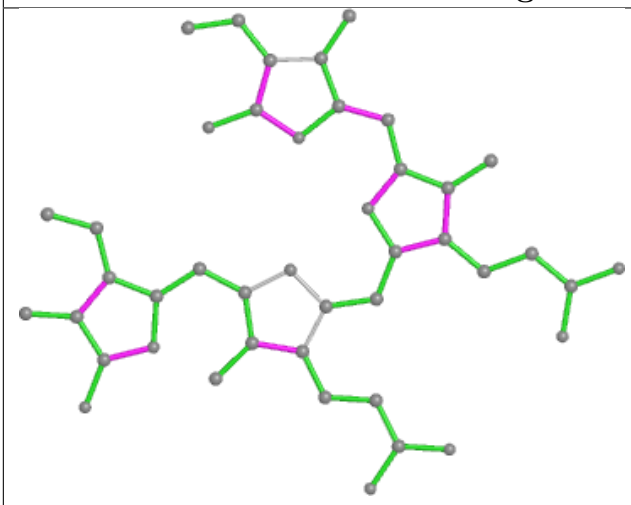

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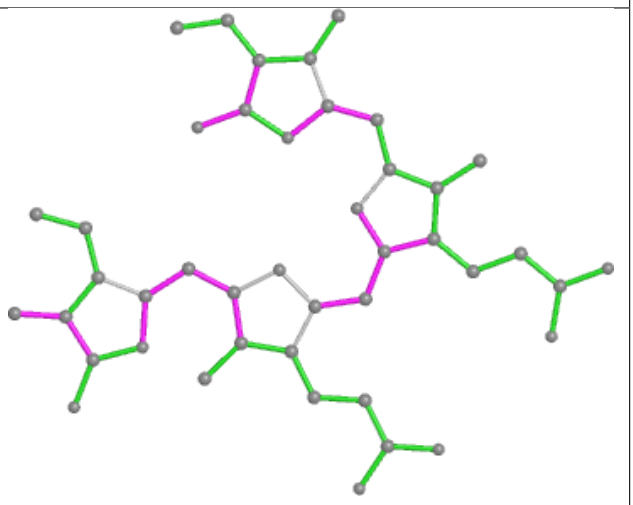

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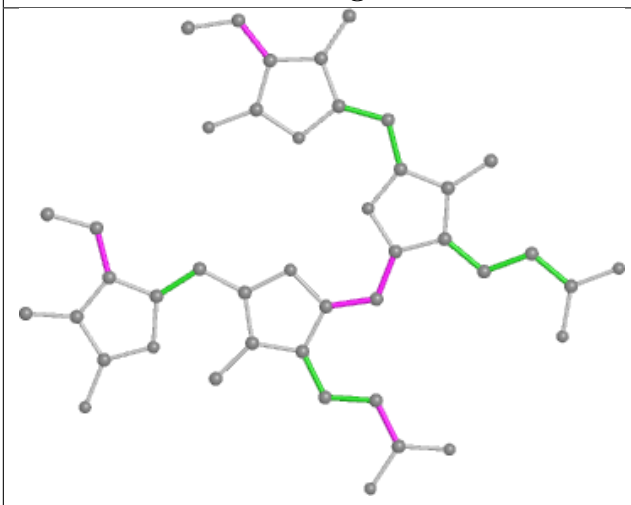

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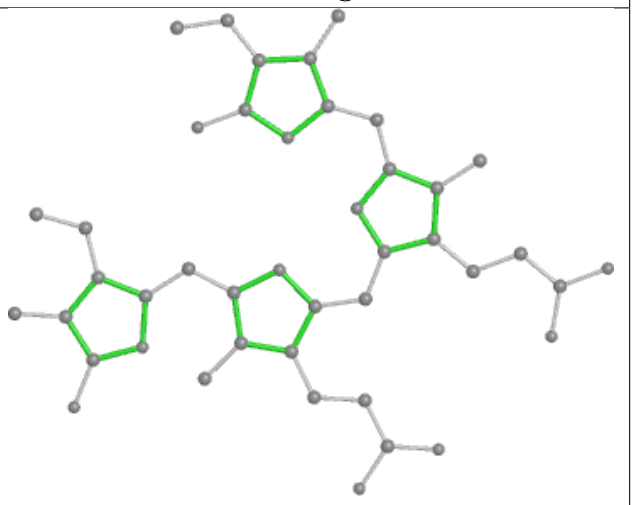

Rings

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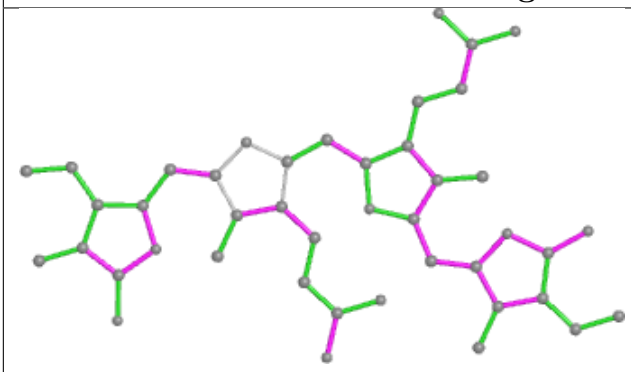

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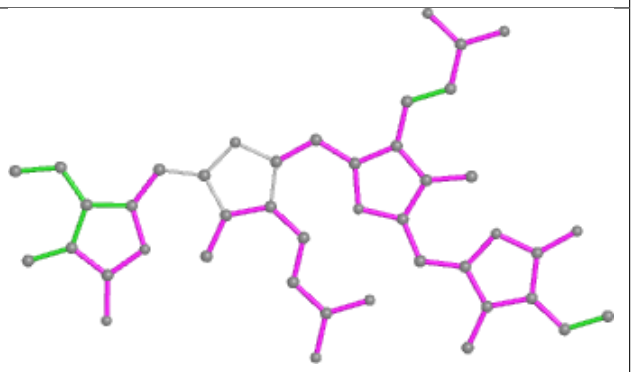

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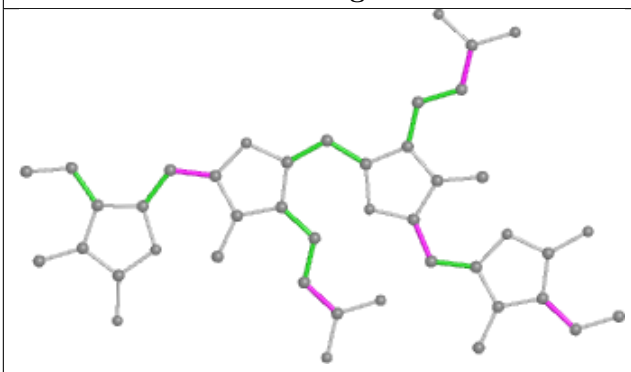

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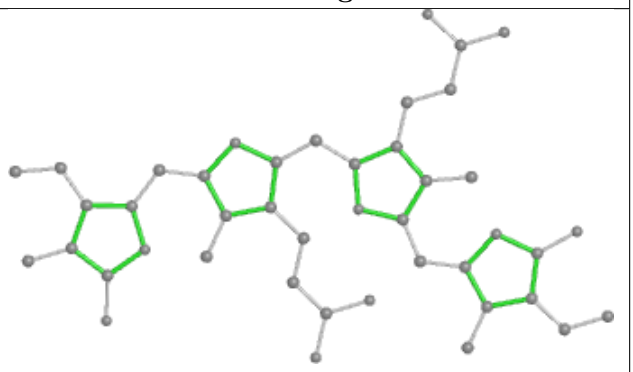
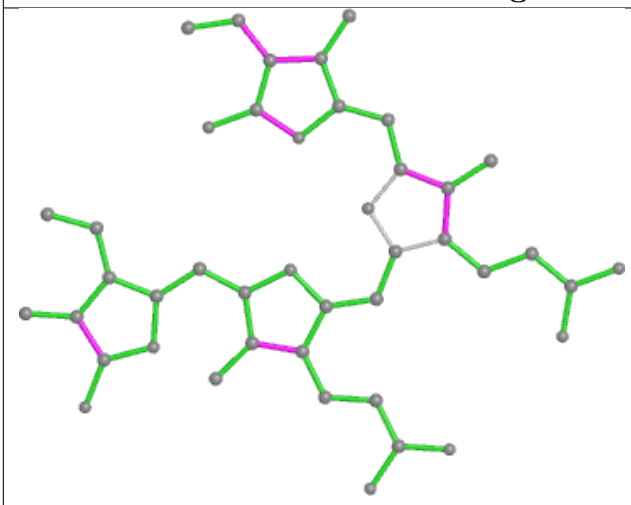


Rings

Ligand PEB jO 1002



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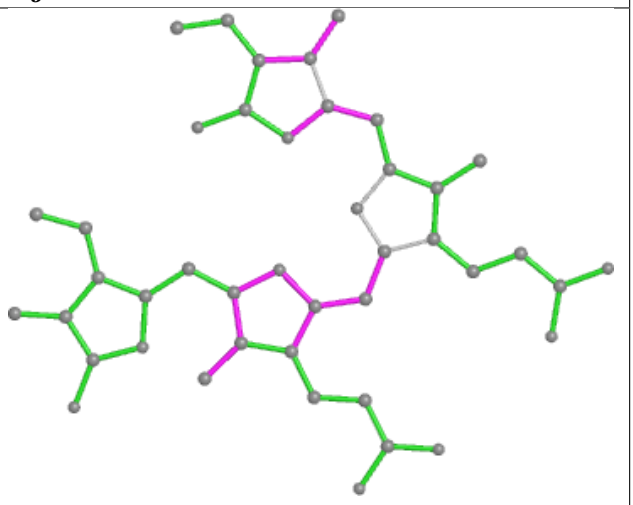

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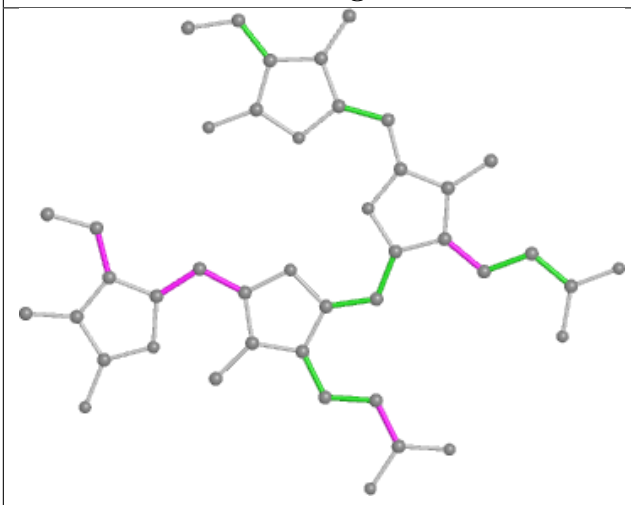

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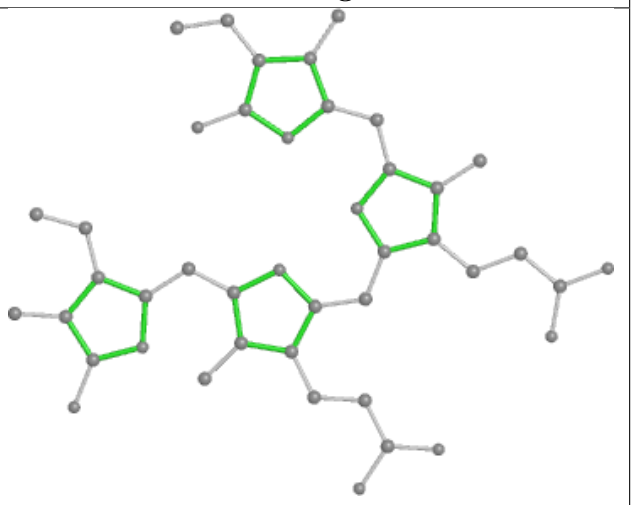

Rings

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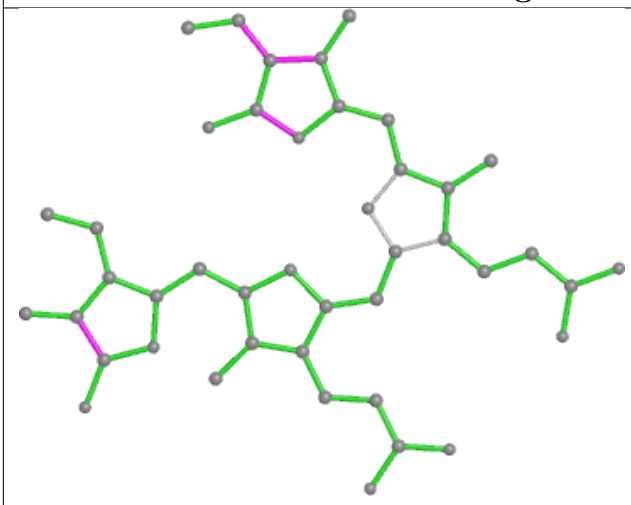

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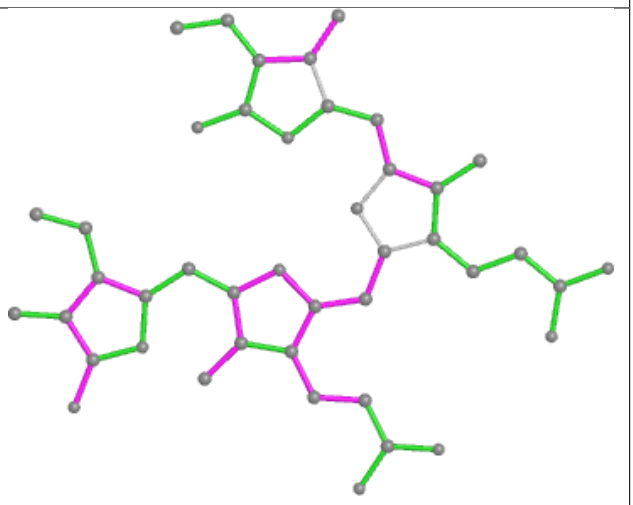

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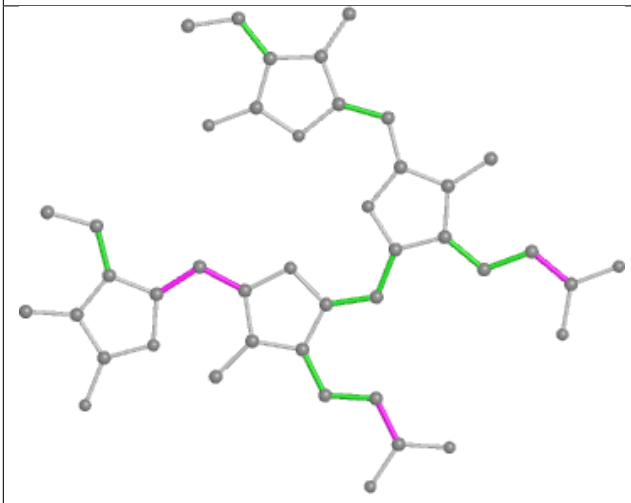

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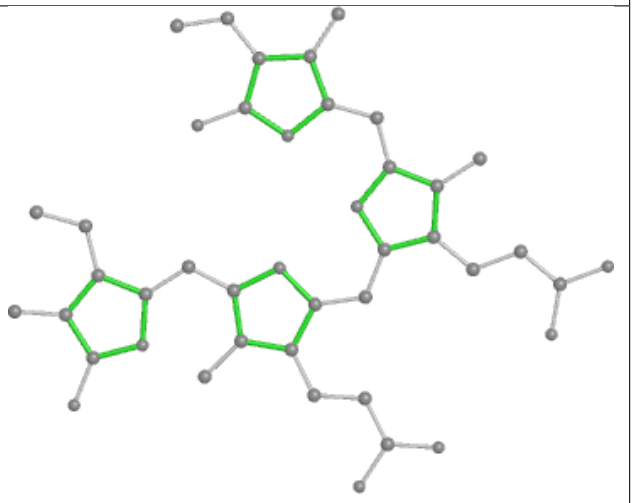

Rings

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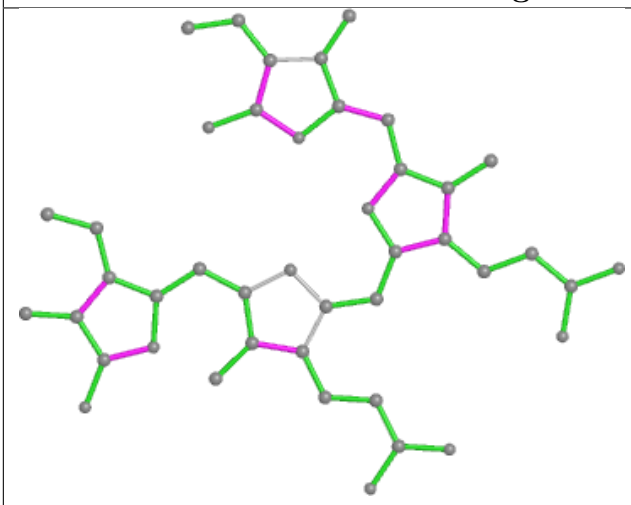

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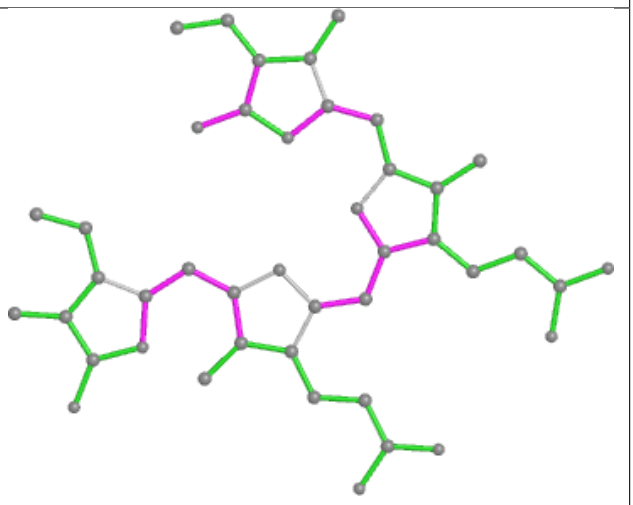

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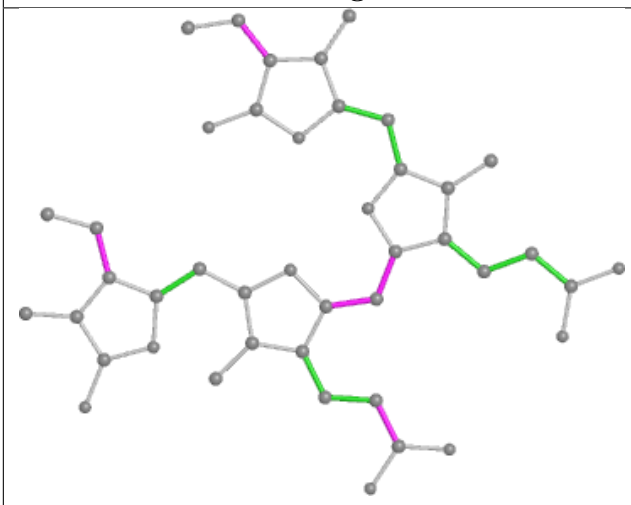

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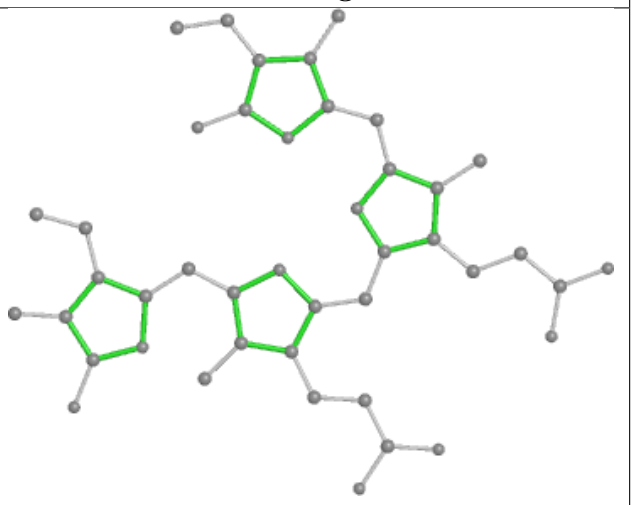

Rings

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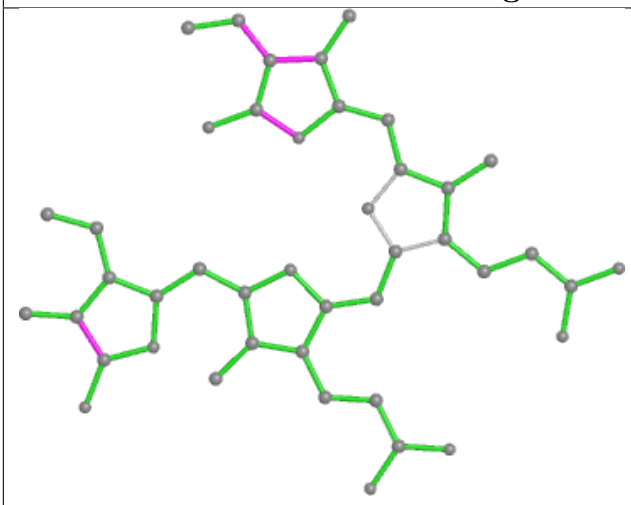

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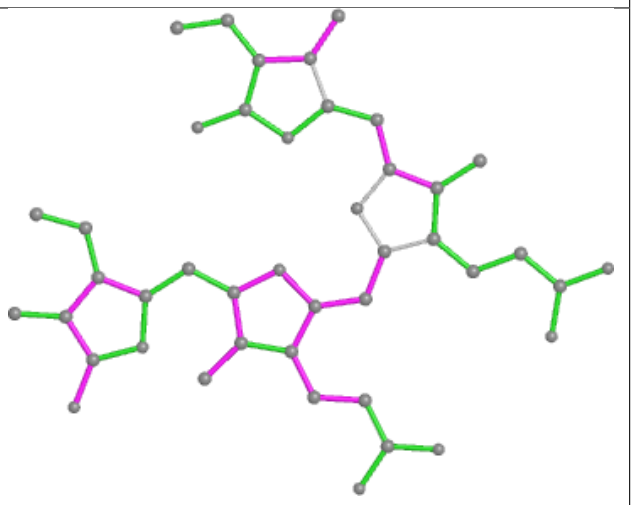

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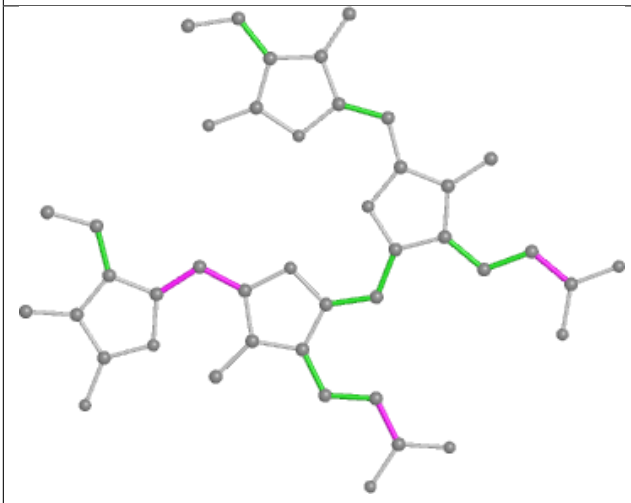

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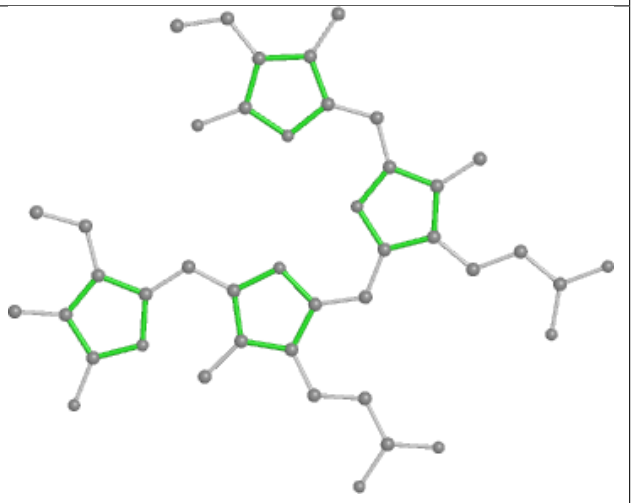

Rings

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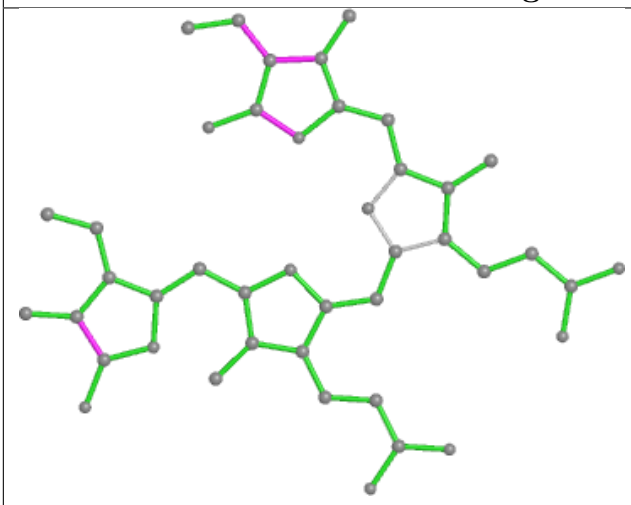

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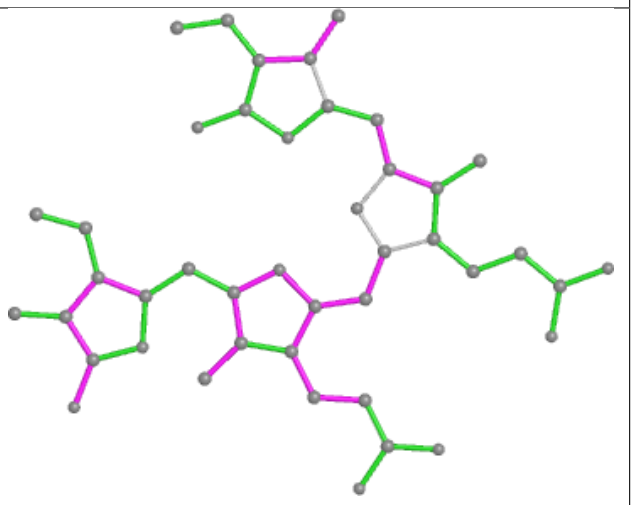

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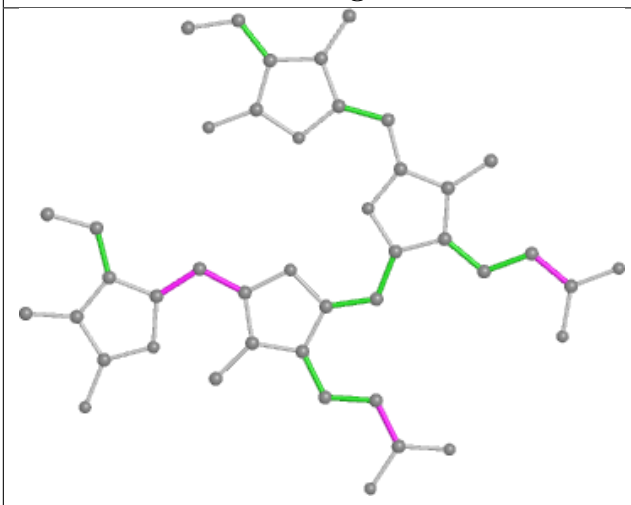

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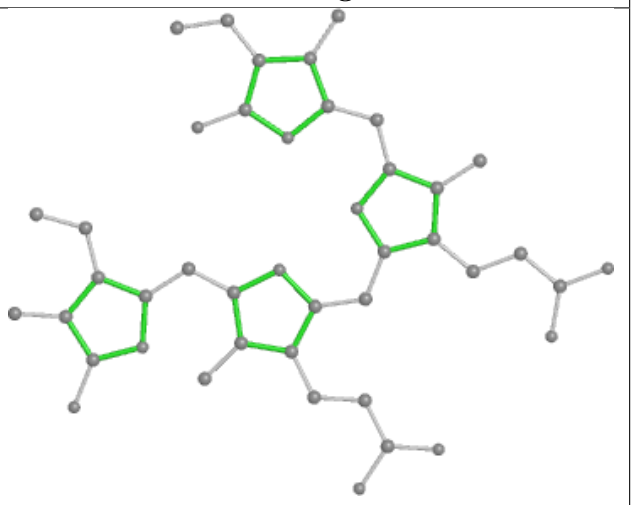
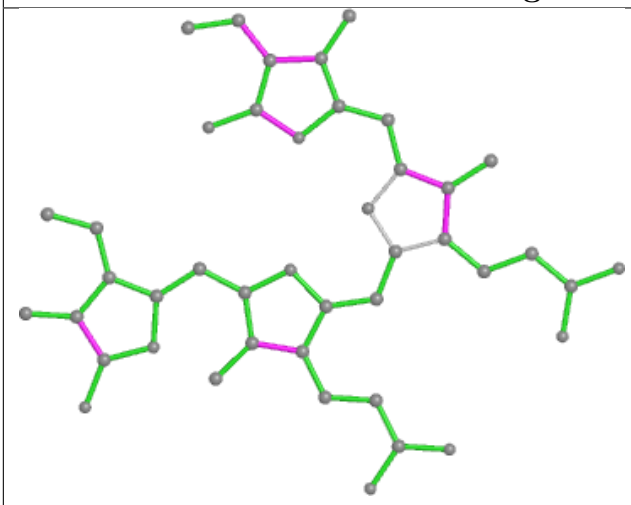


Rings

Ligand PEB fo 202



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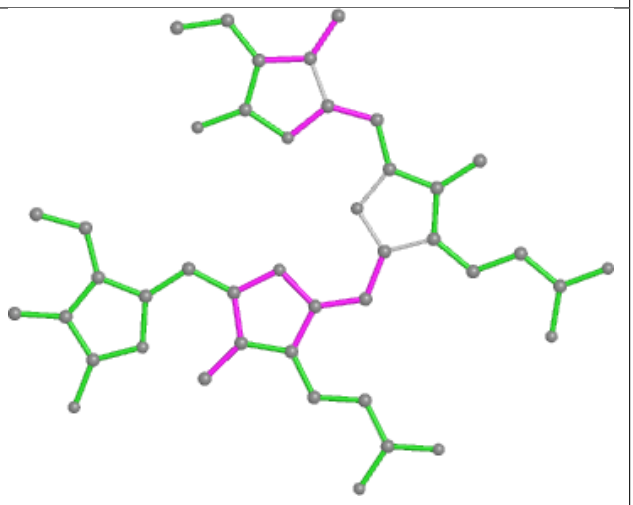

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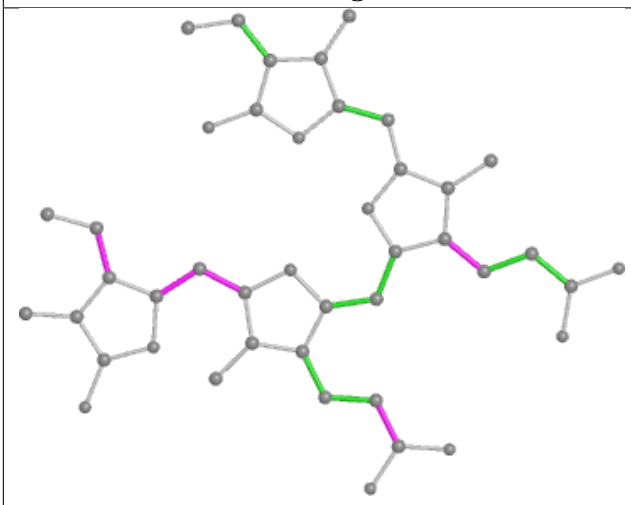

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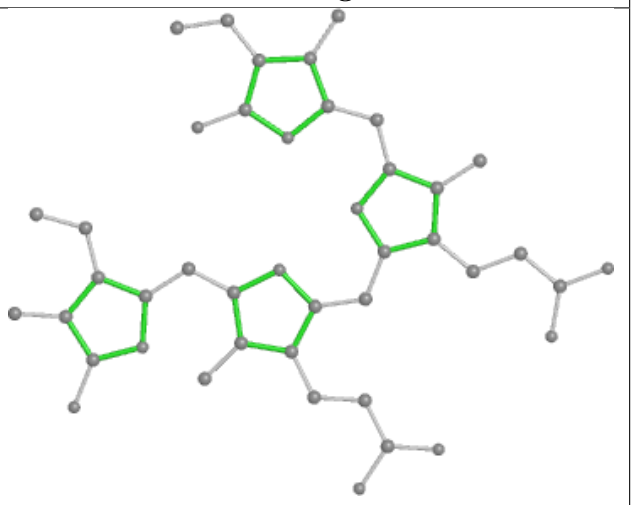

Rings

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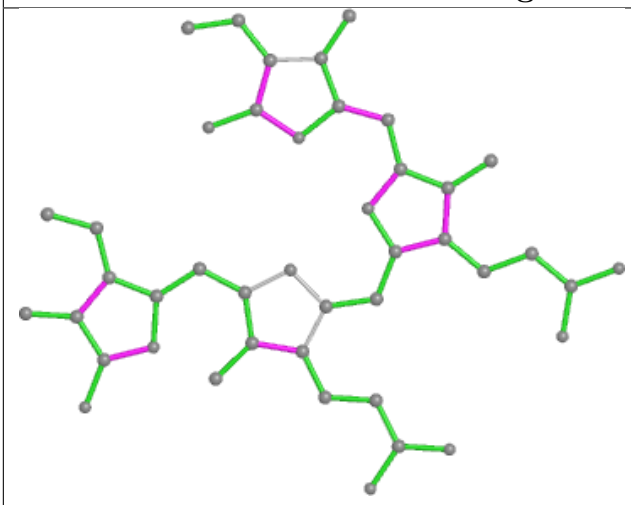

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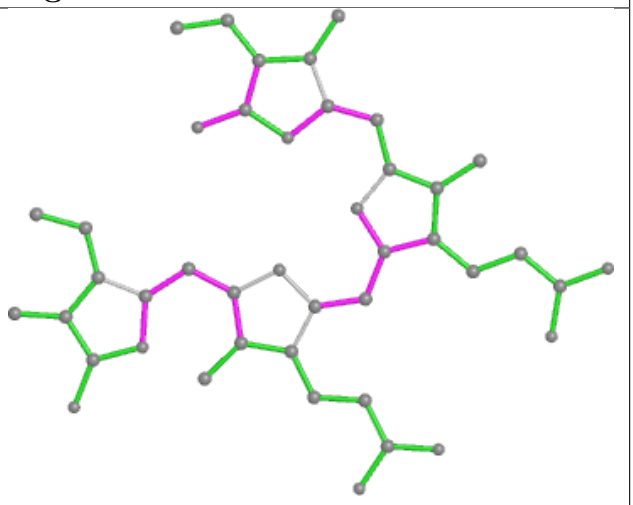

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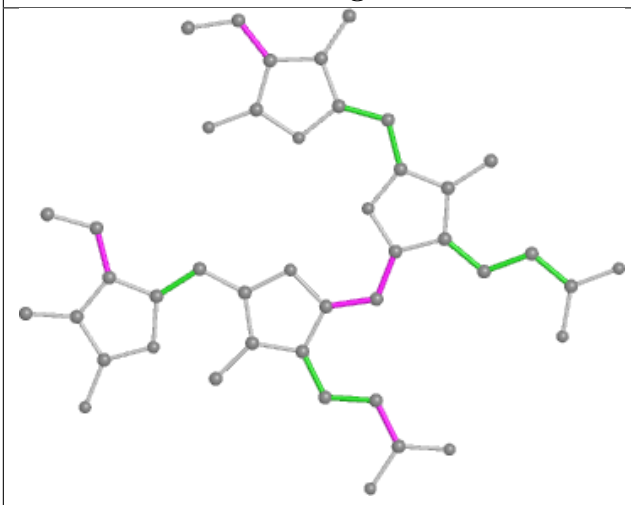

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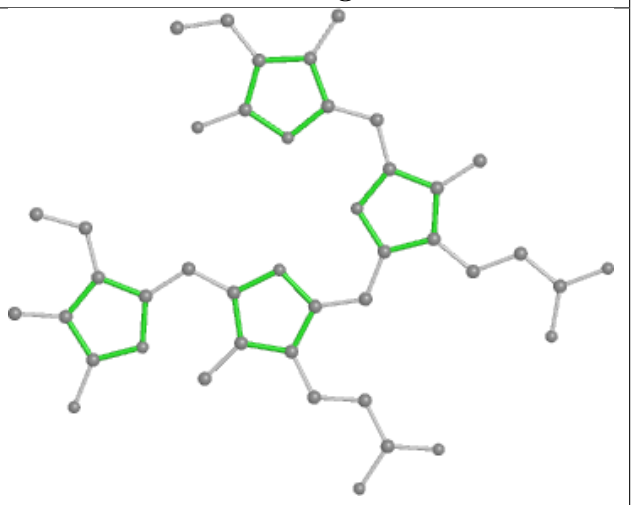
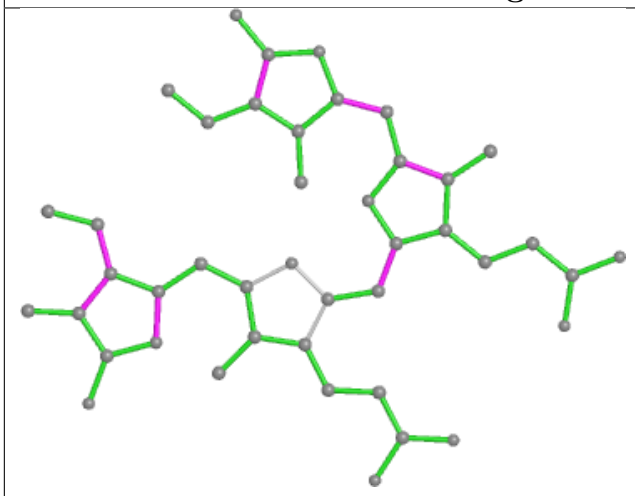


Rings

Ligand PVN Z9 1004



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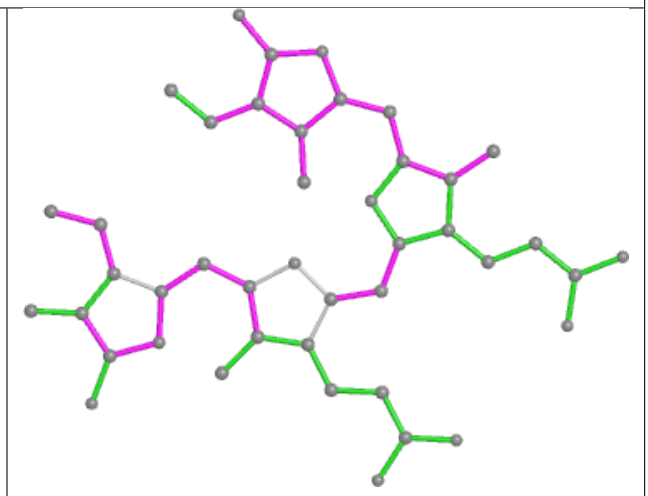
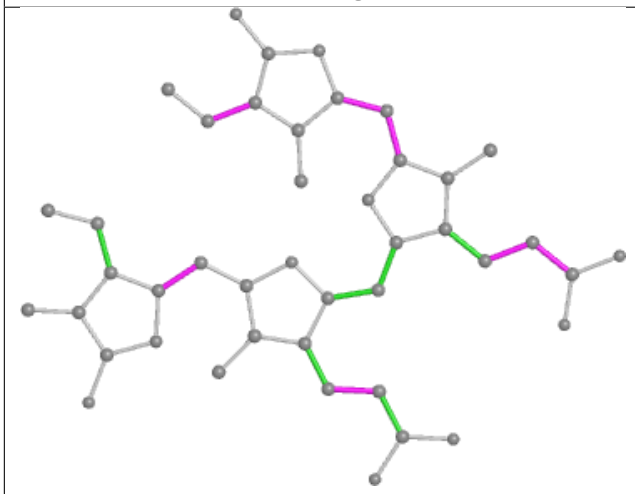
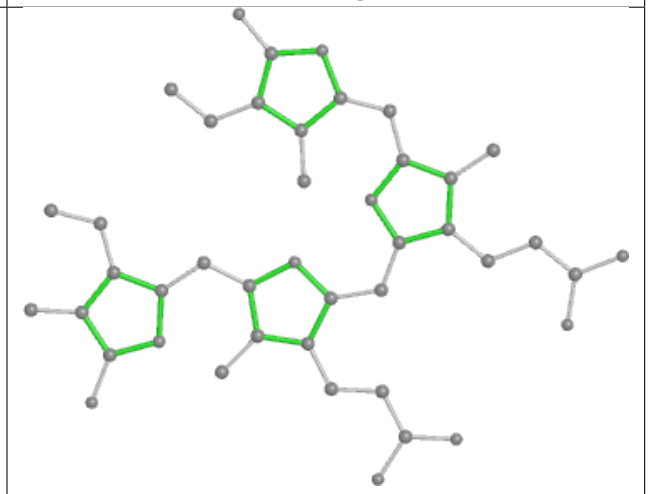


Bond angles

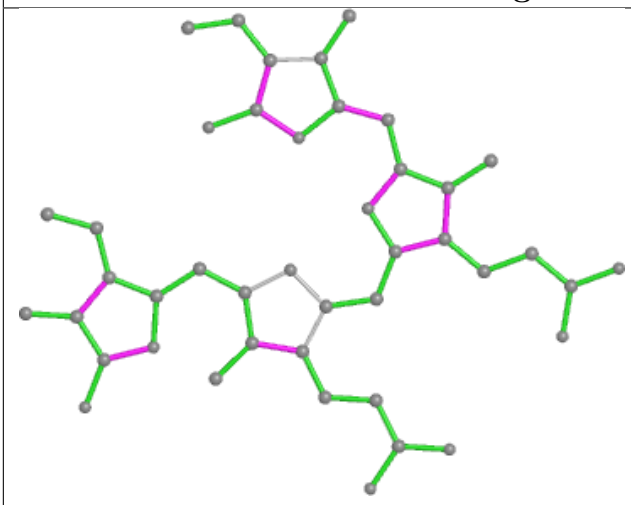


Torsions



Rings

Ligand PUB X4 203



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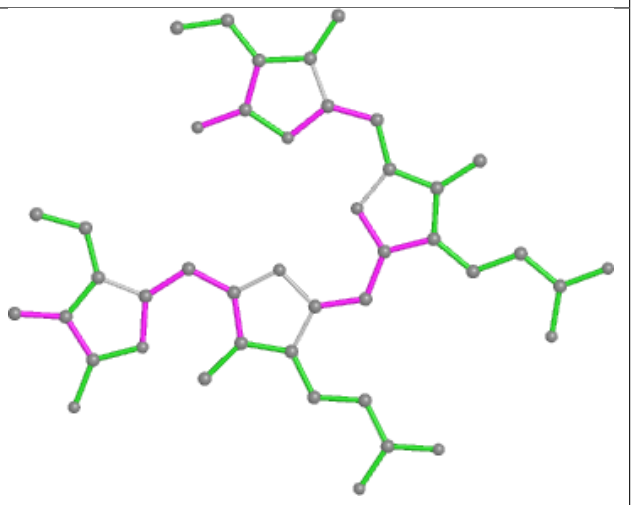

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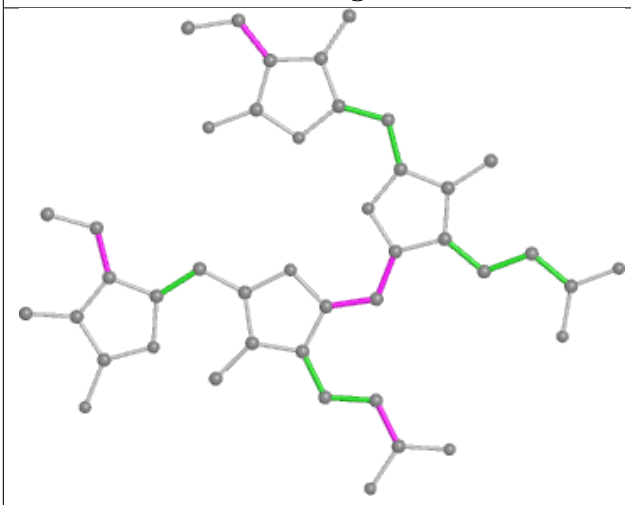

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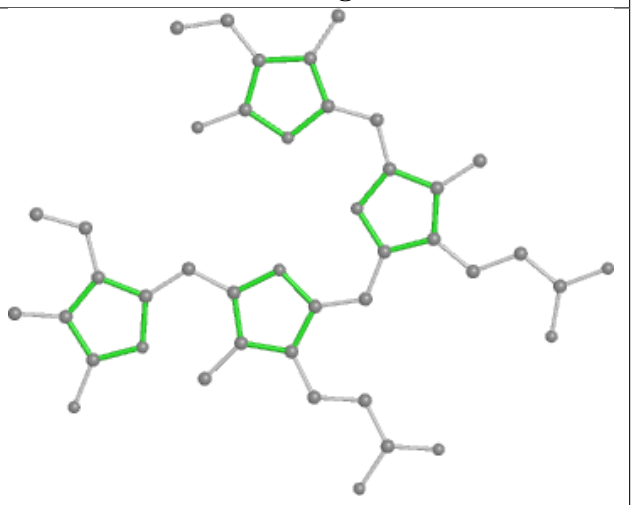
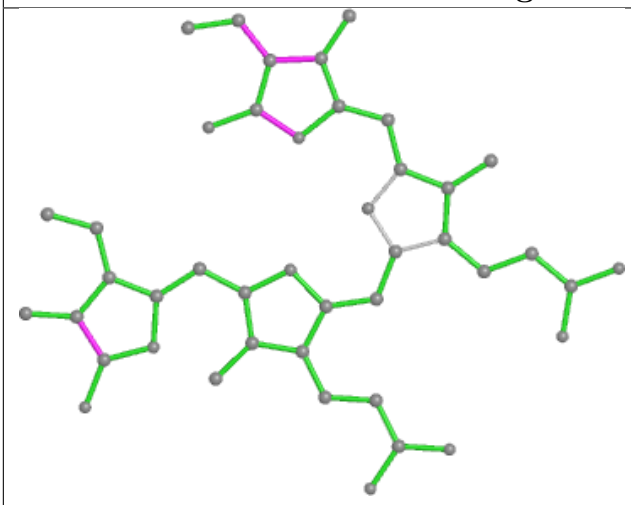


Rings

Ligand PEB B3 201



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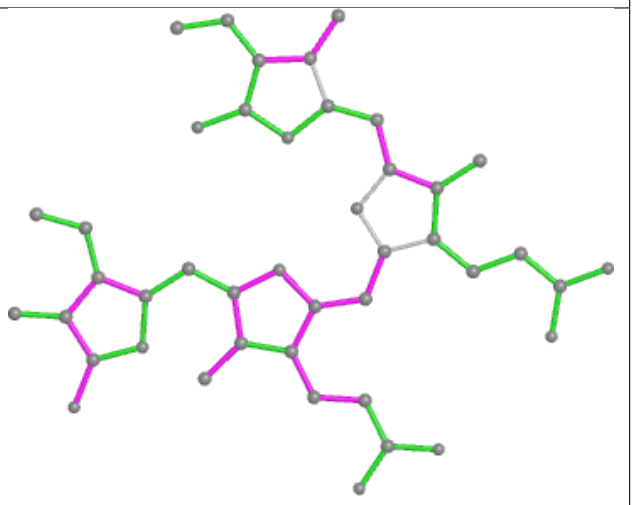

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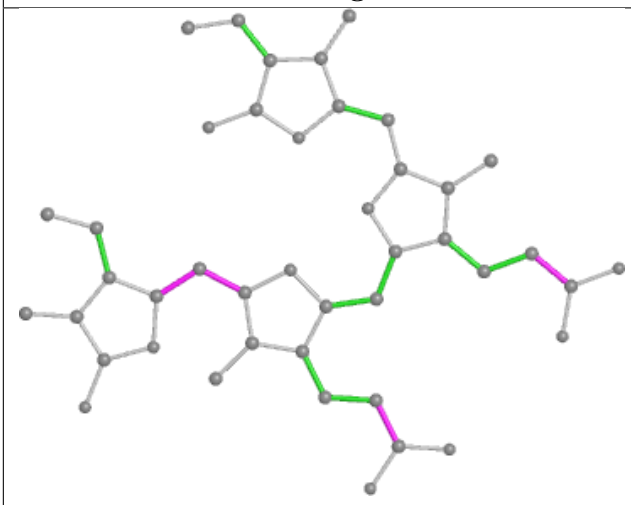

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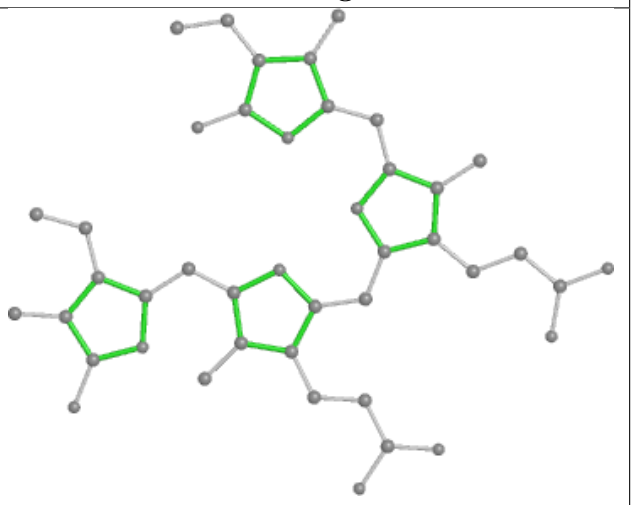

Rings

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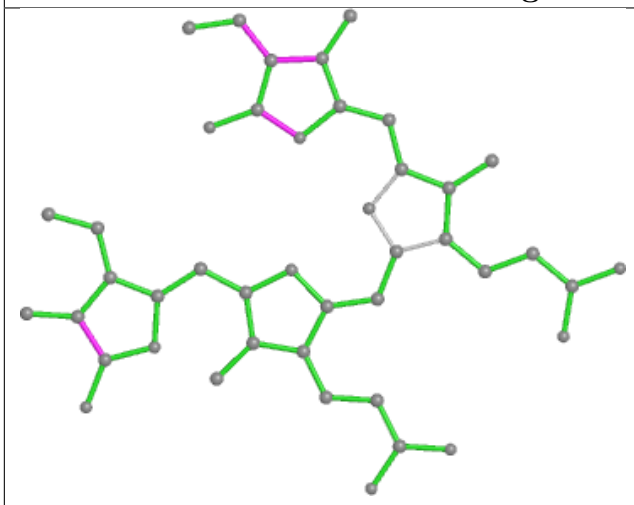

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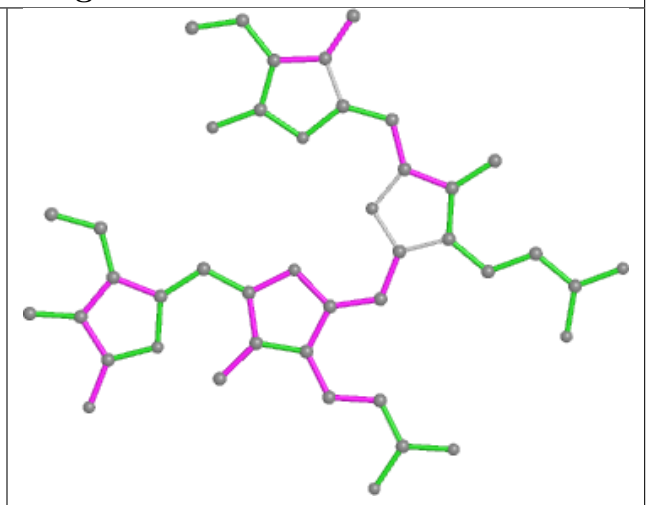

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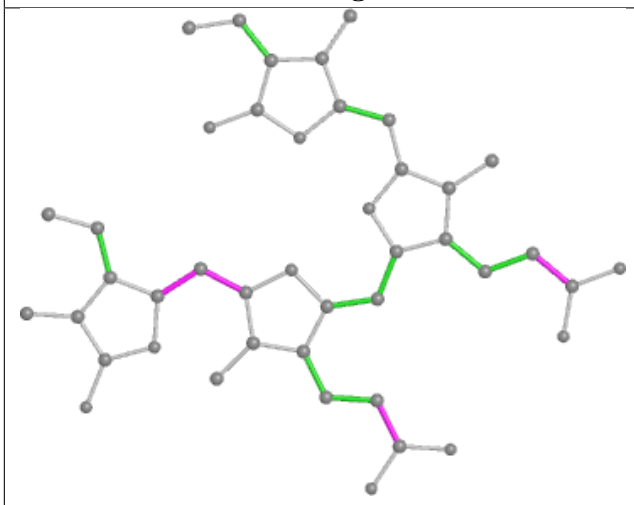

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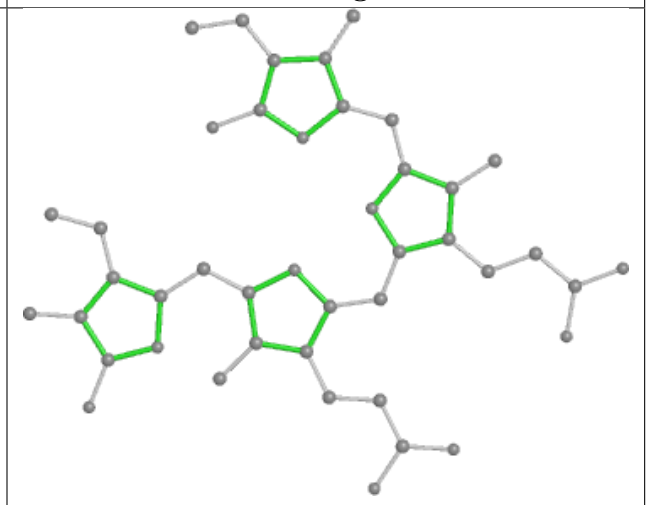
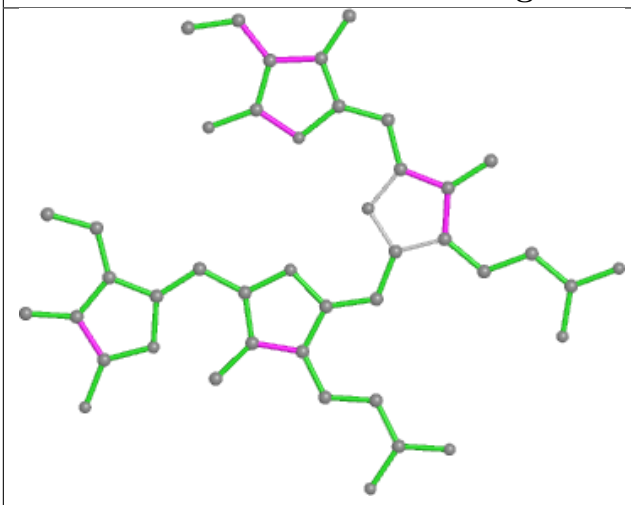


Rings

Ligand PEB B7 201



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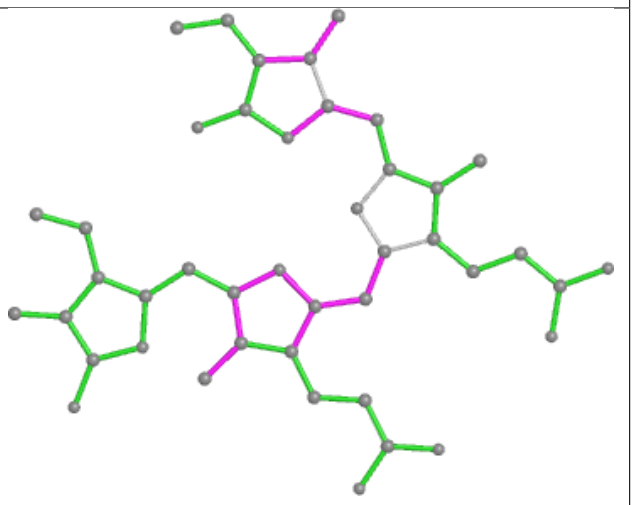

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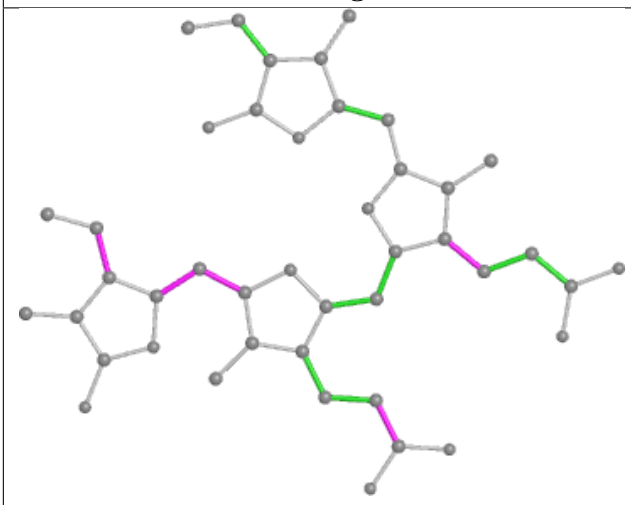

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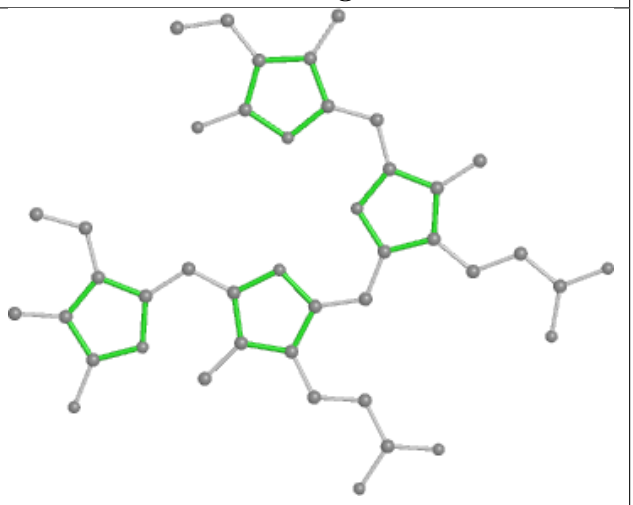

Rings

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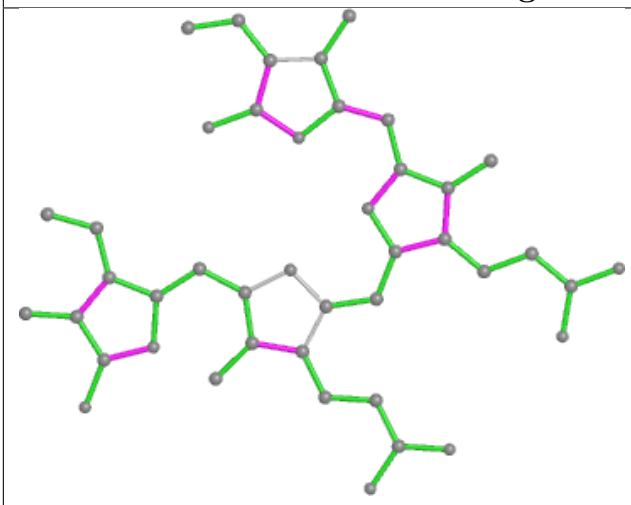

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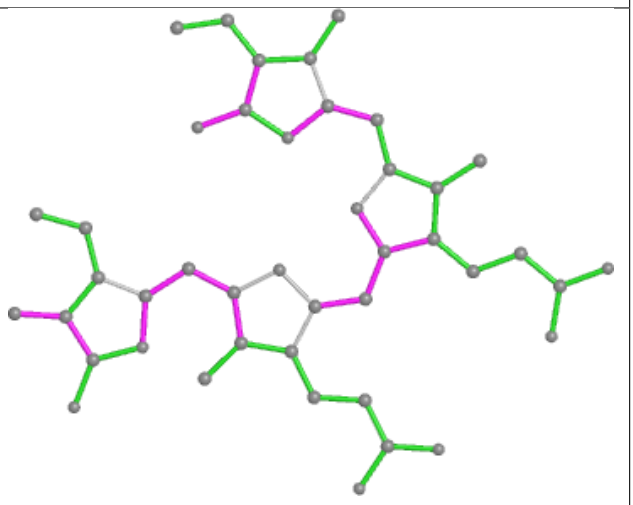

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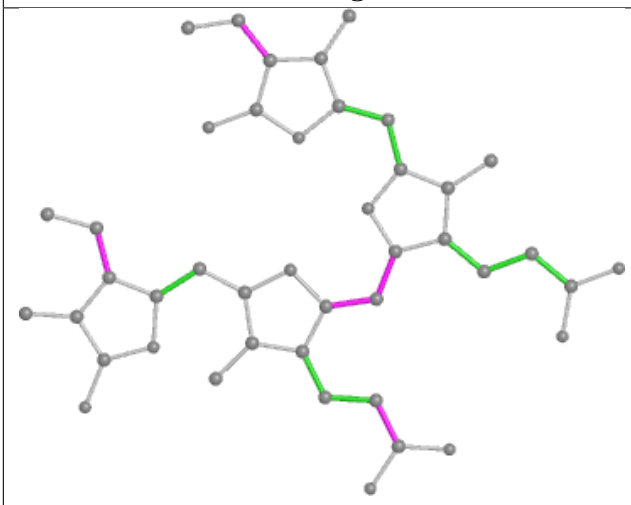

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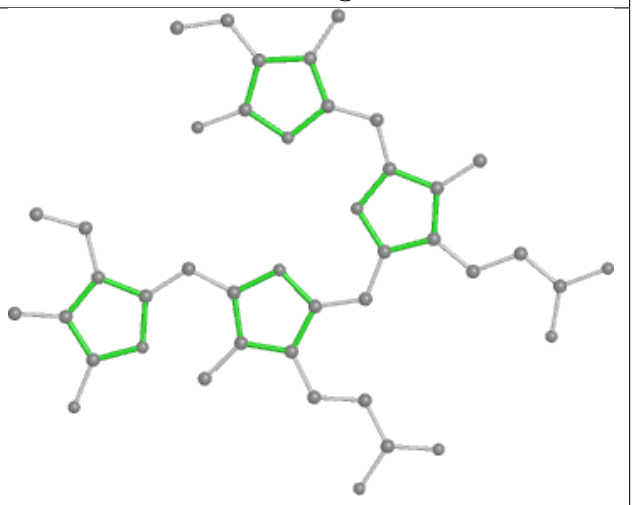

Rings

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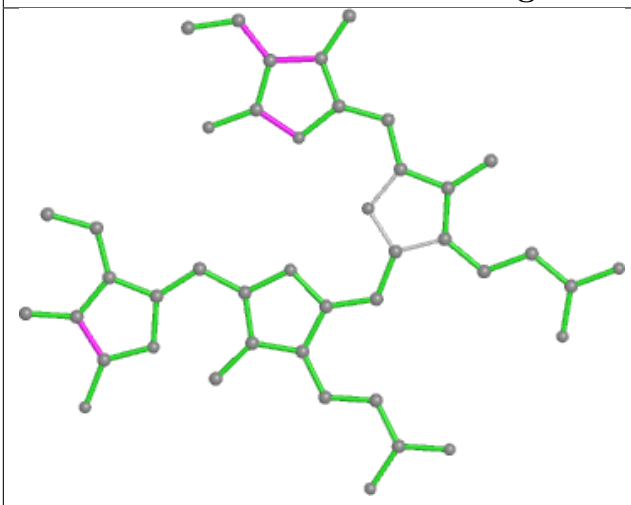

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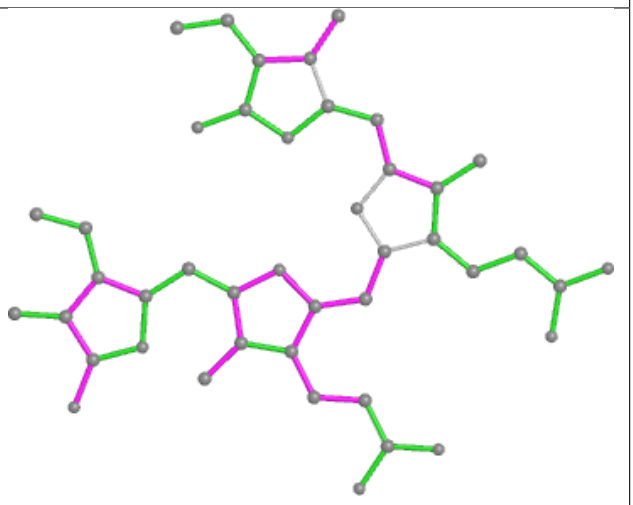

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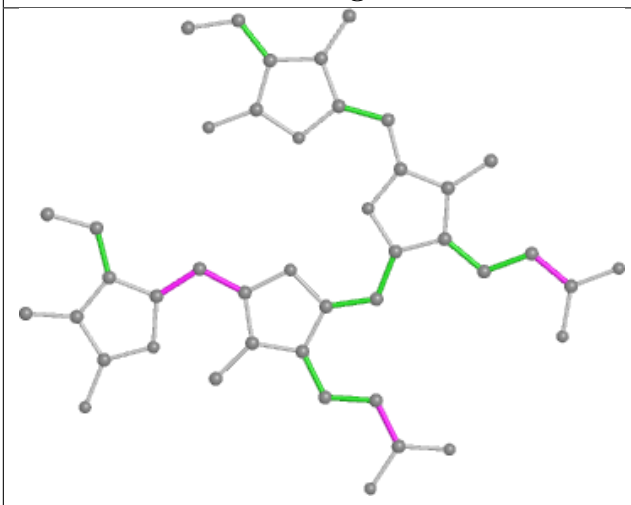

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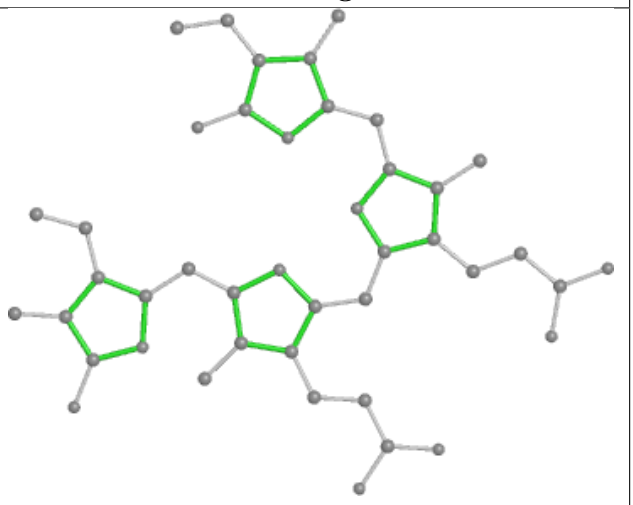
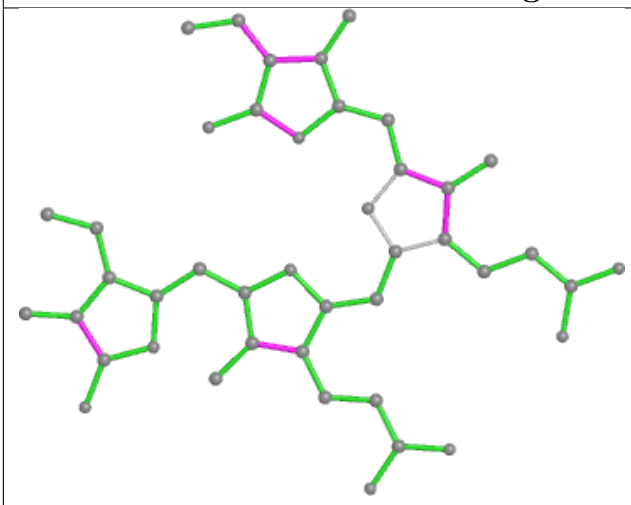


Rings

Ligand PEB dl 202



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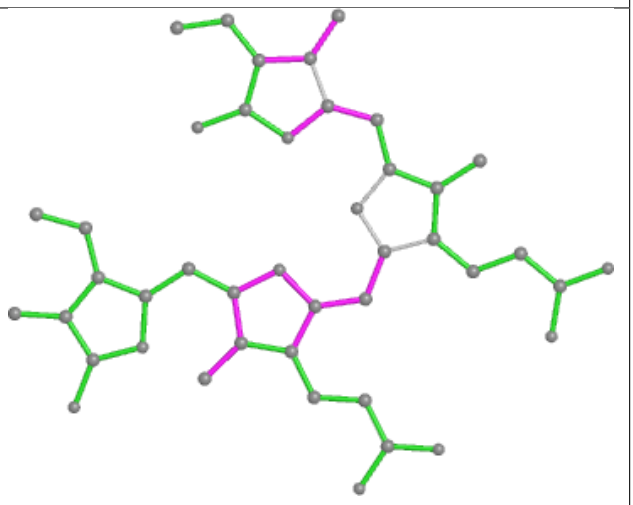

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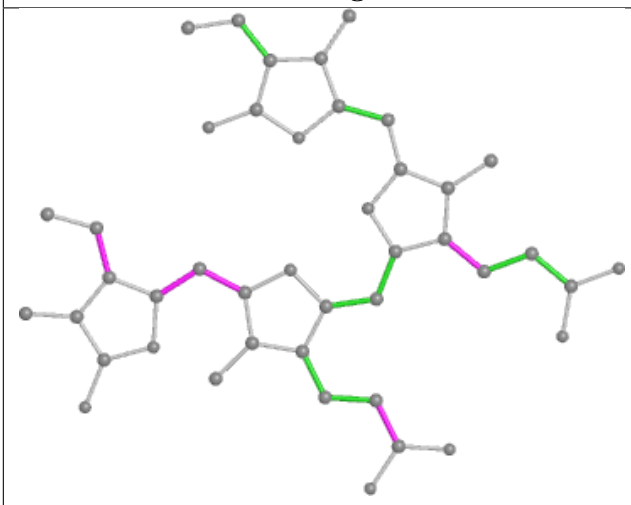

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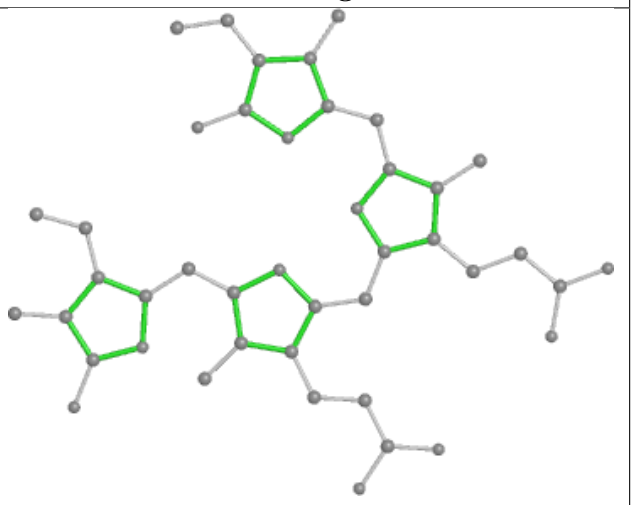

Rings

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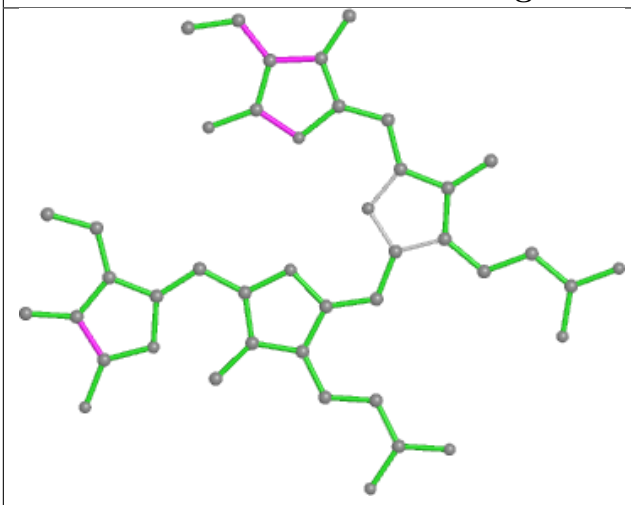

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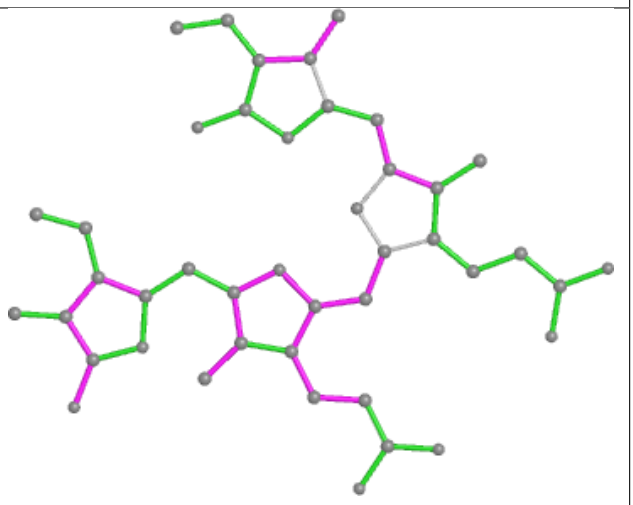
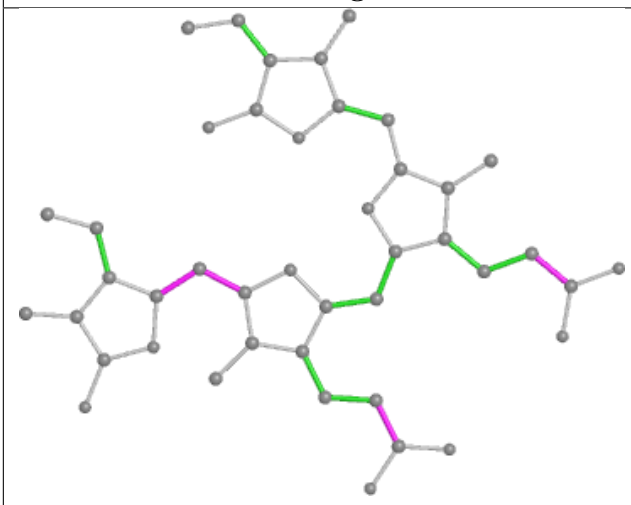


Bond angles



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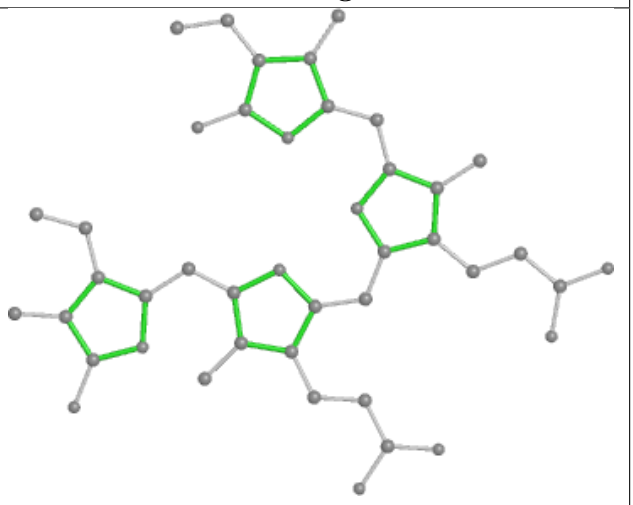
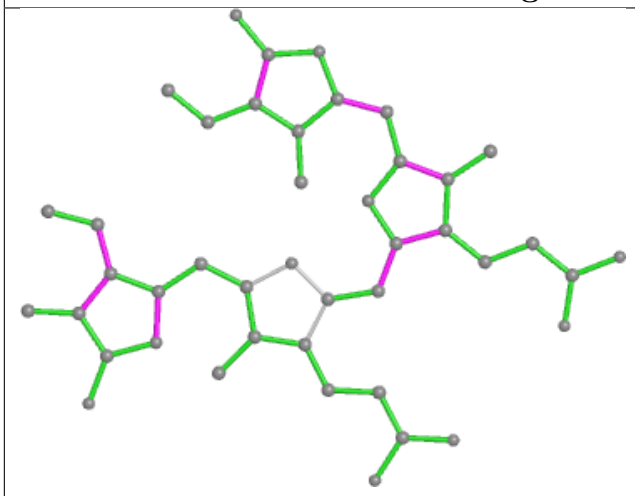


Rings

Ligand PVN ly 404



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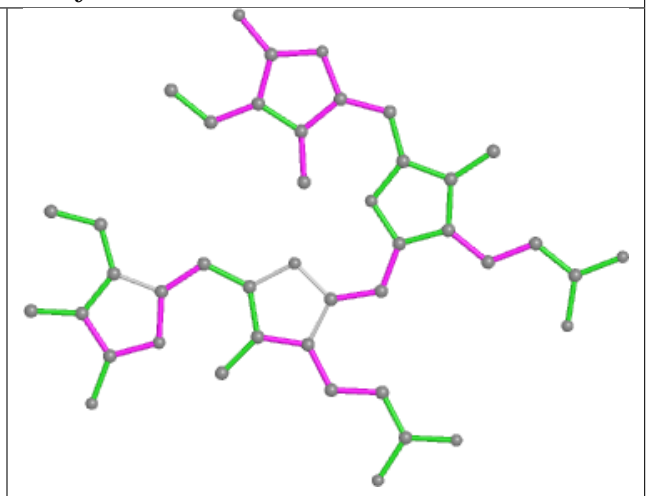

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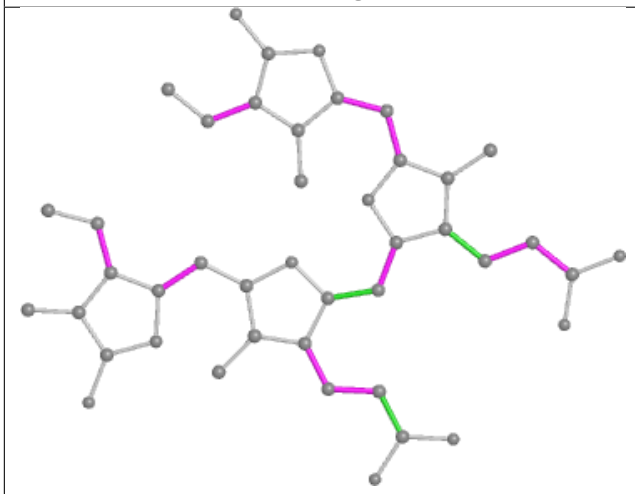

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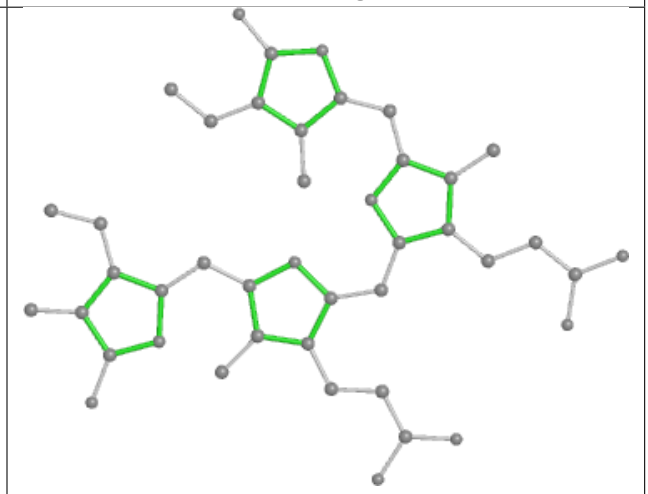
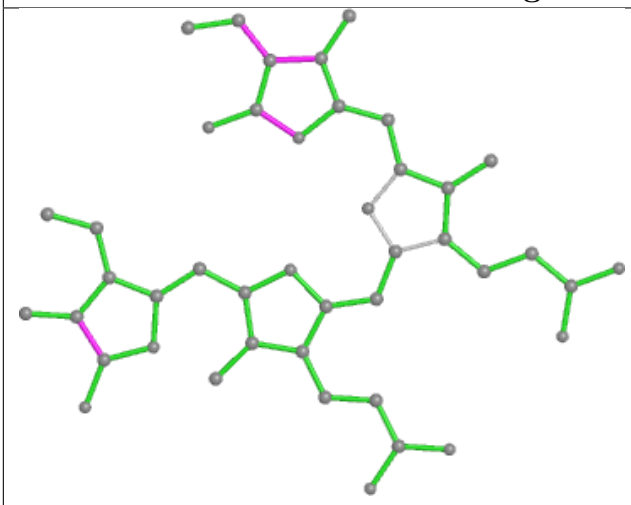


Rings

Ligand PEB lk 201



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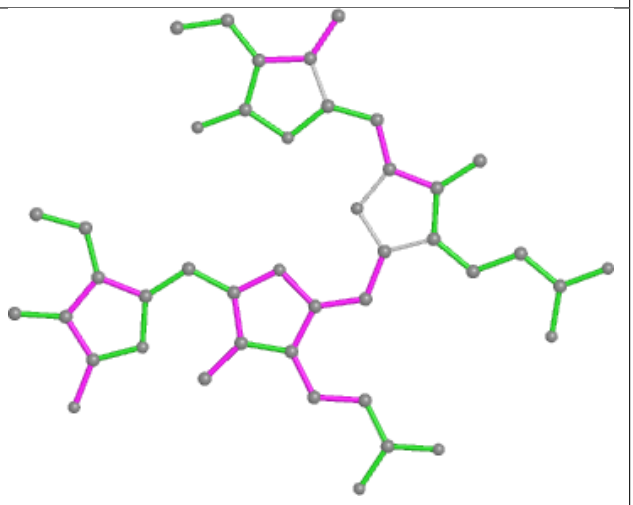

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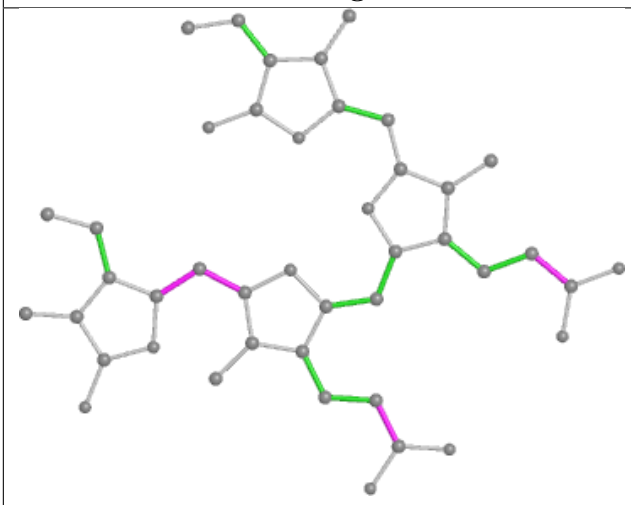

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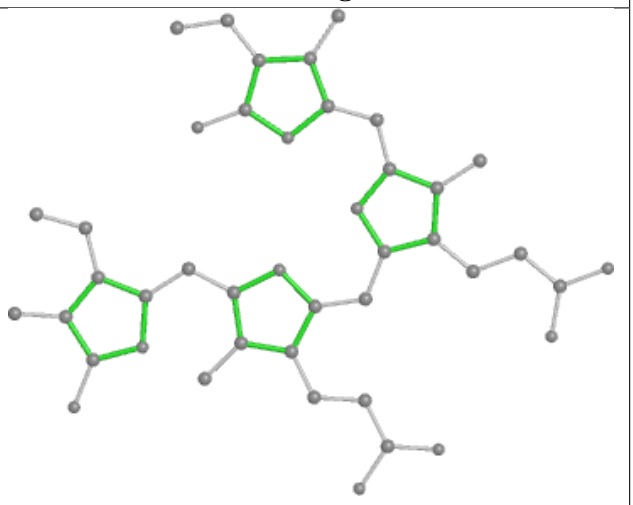

Rings

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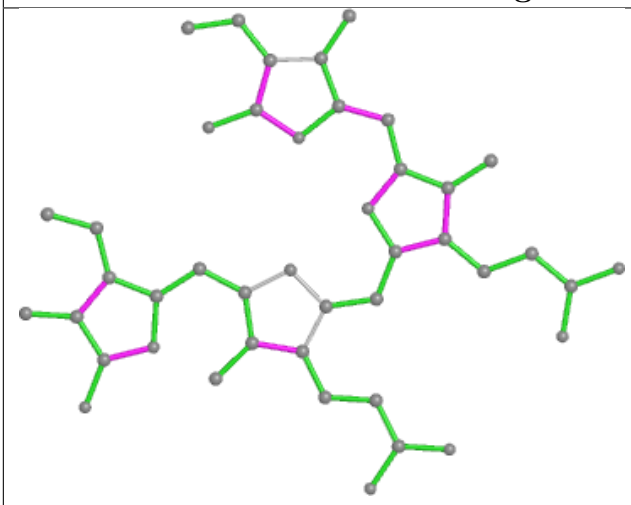

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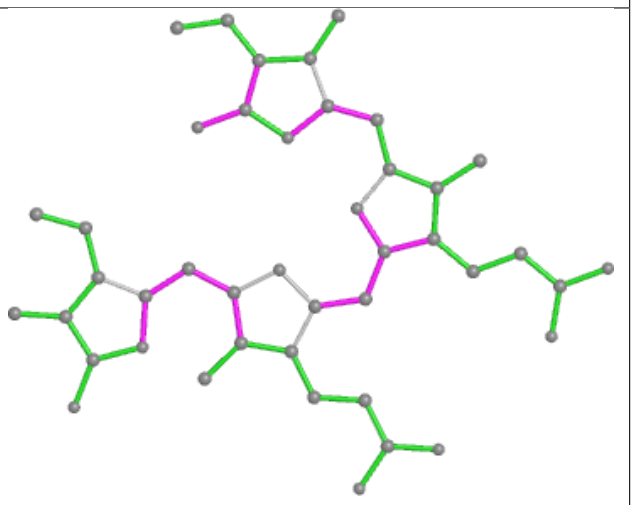

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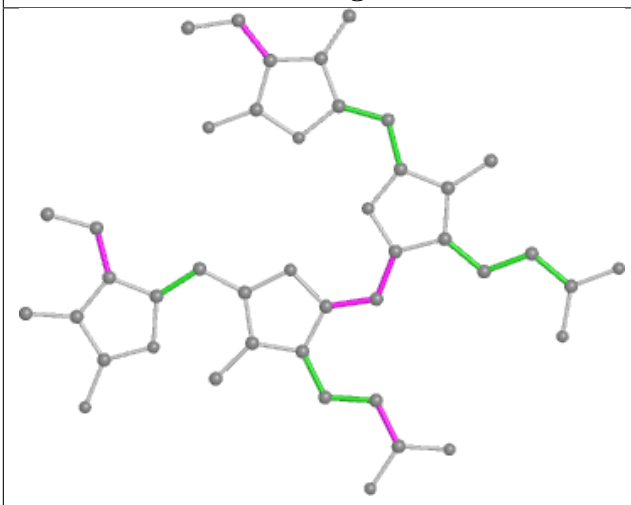

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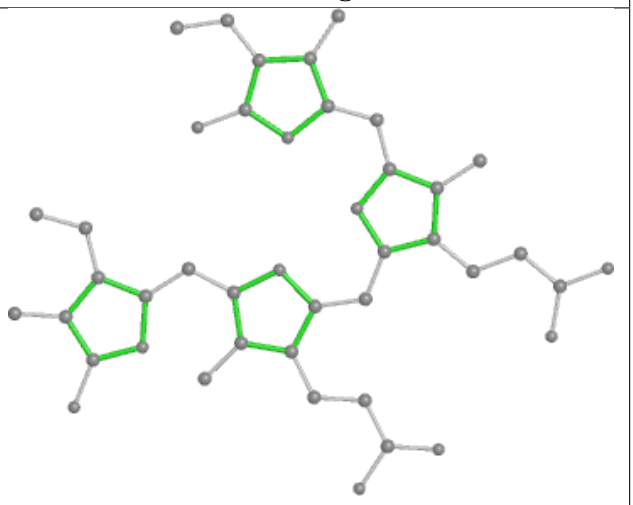

Rings

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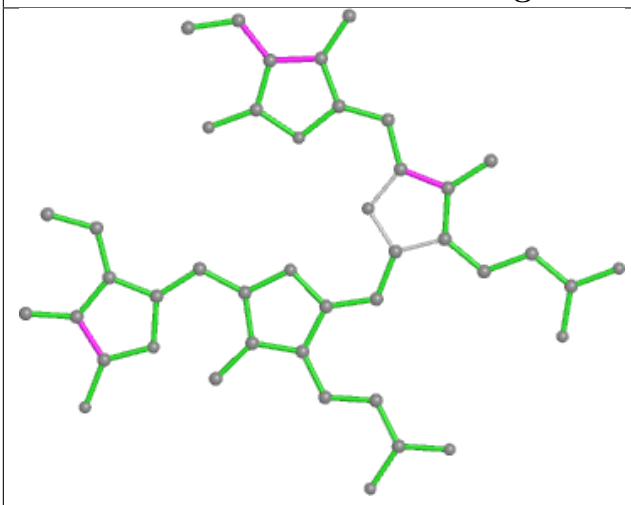

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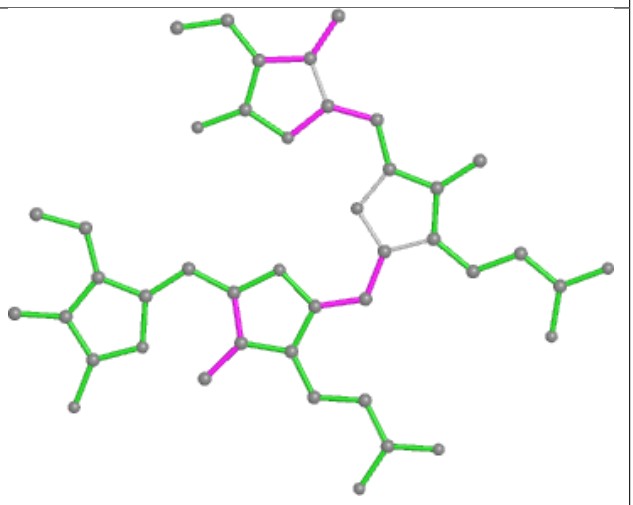

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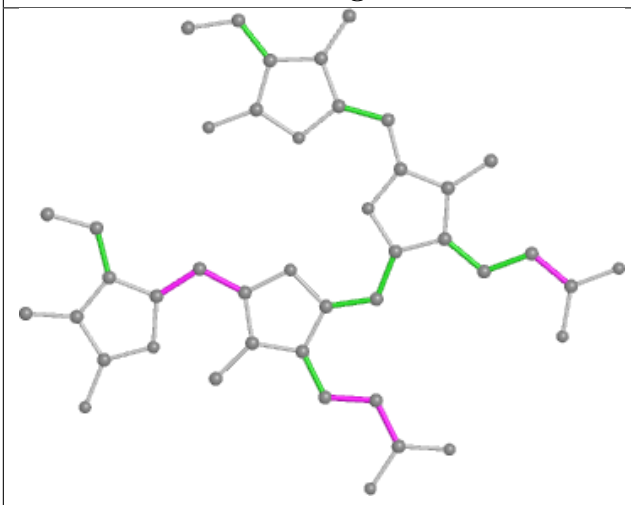

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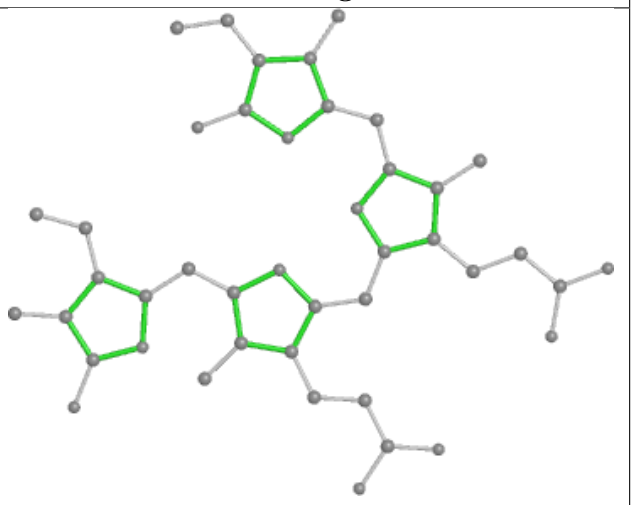
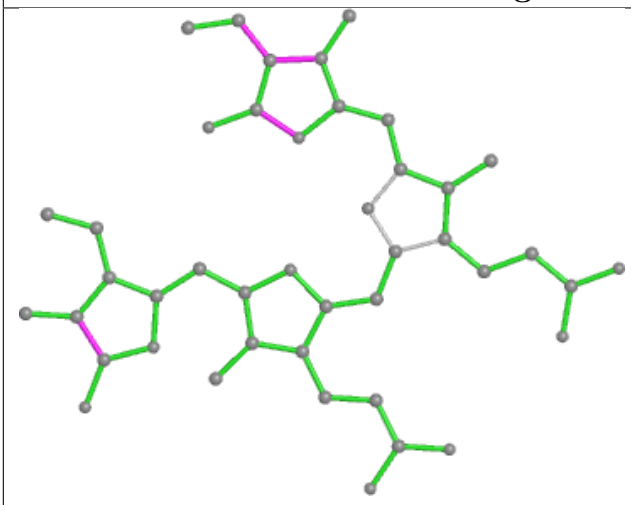


Rings

Ligand PEB dU 201



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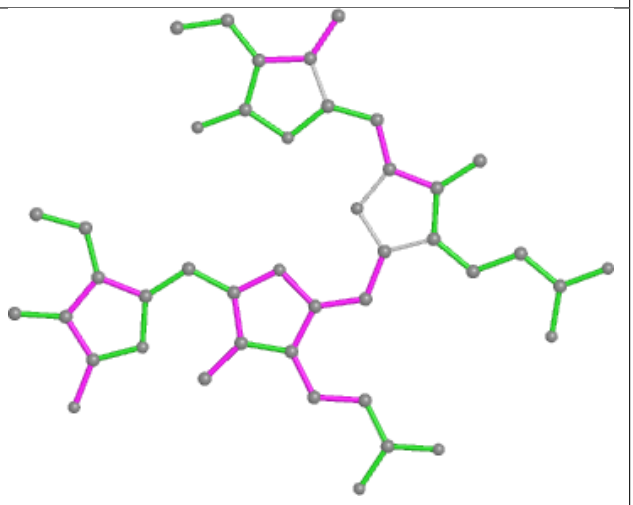
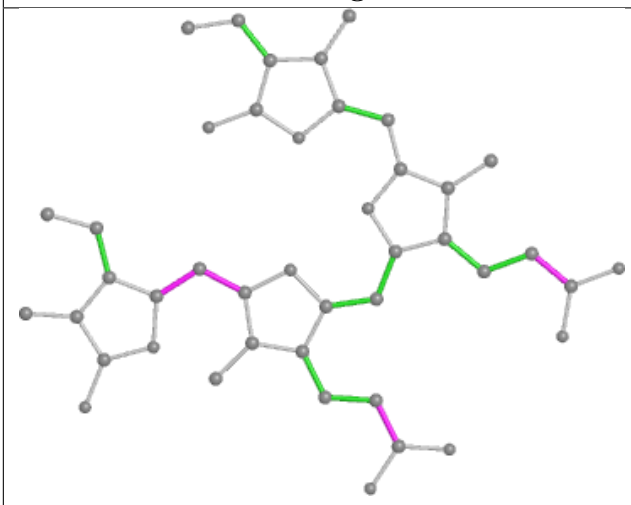
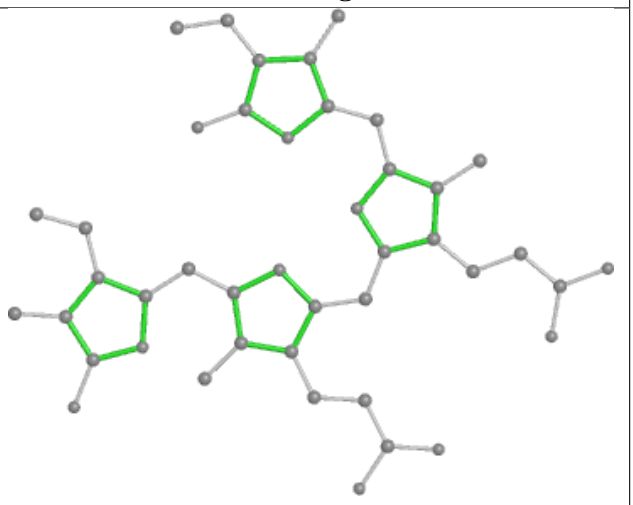


Bond angles

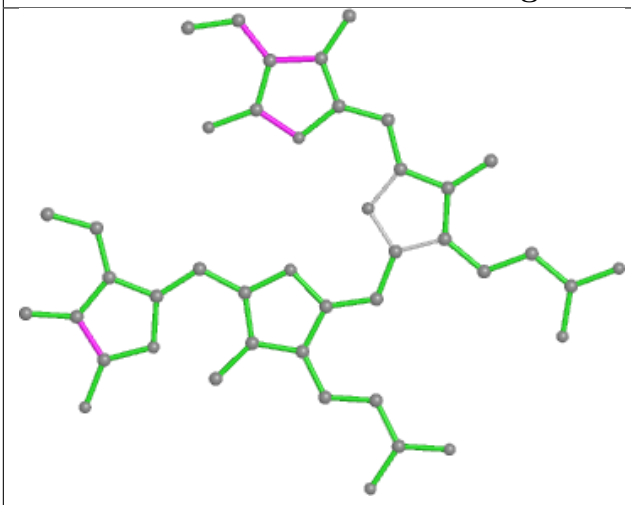


Torsions



Rings

Ligand PEB dt 202



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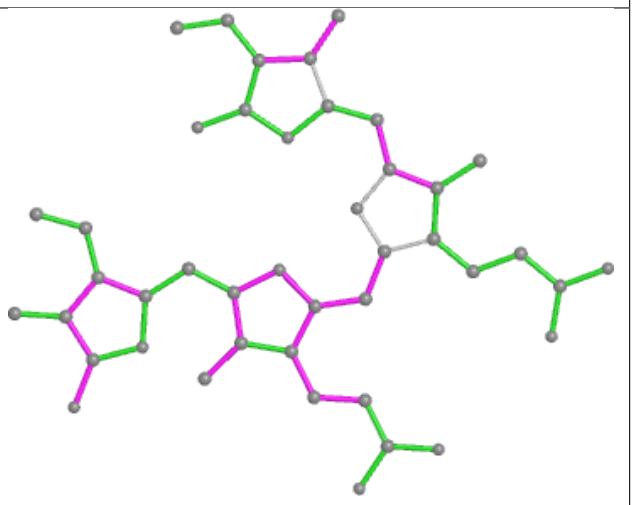

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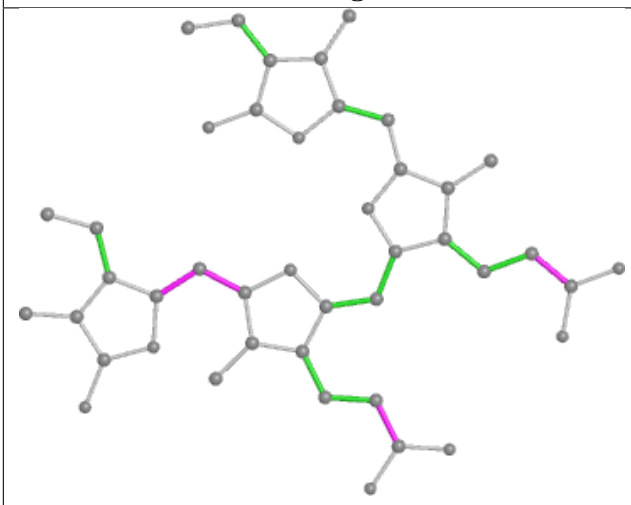

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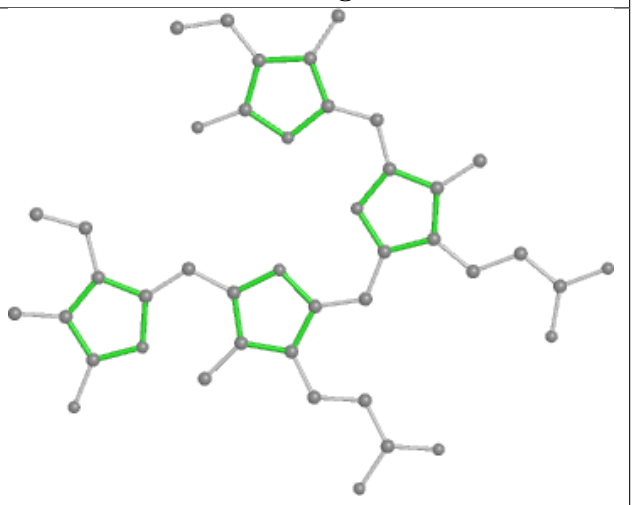
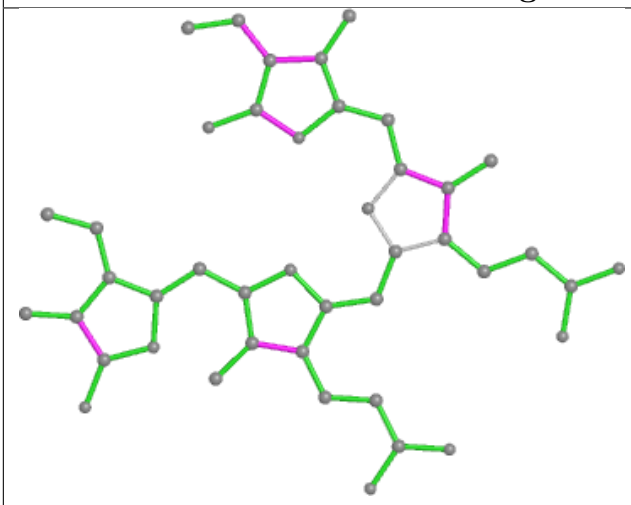


Rings

Ligand PEB v9 202



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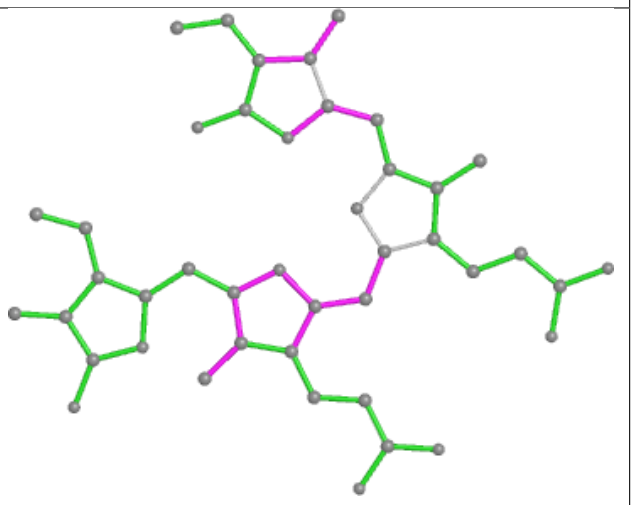

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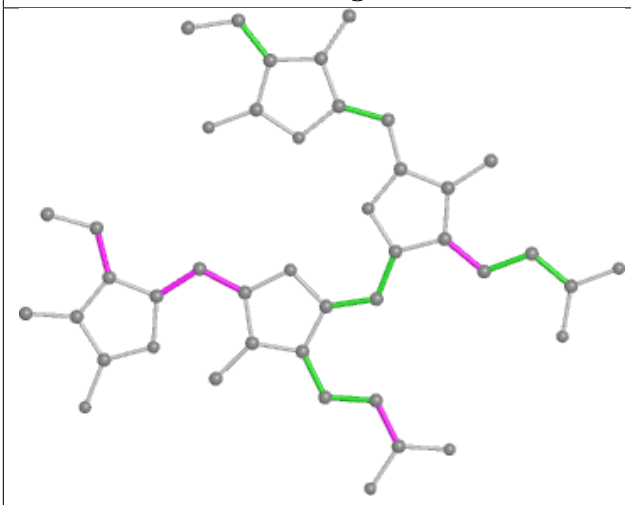

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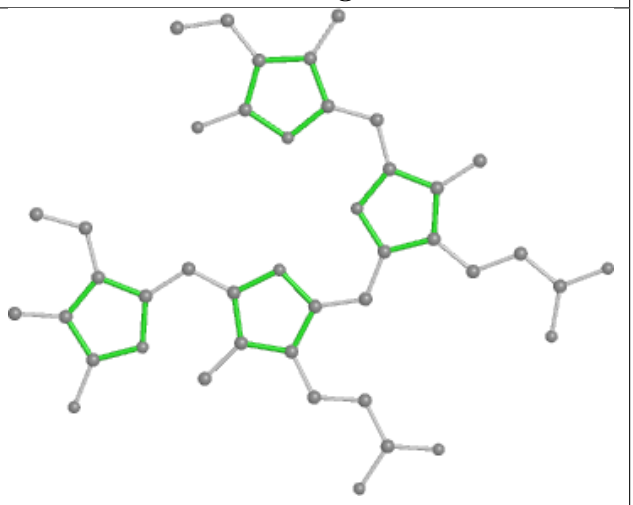
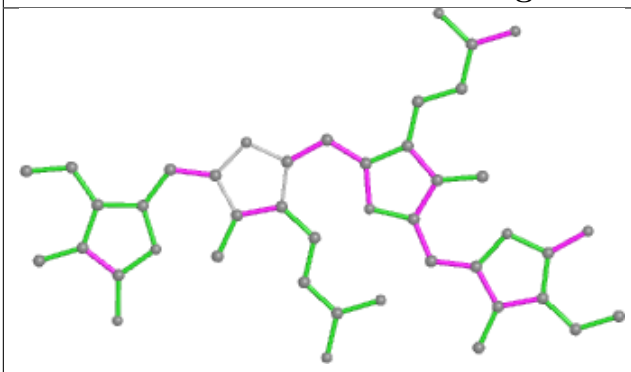


Rings

Ligand CYC L1 201



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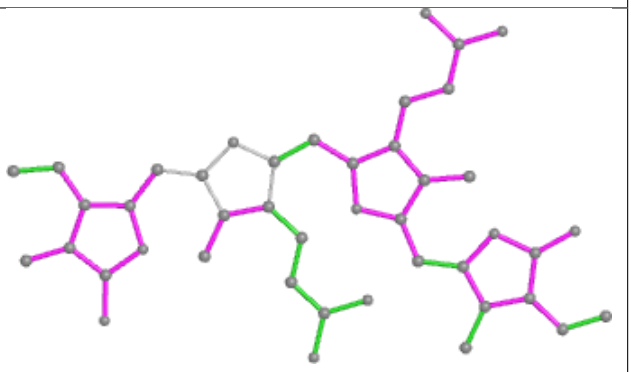

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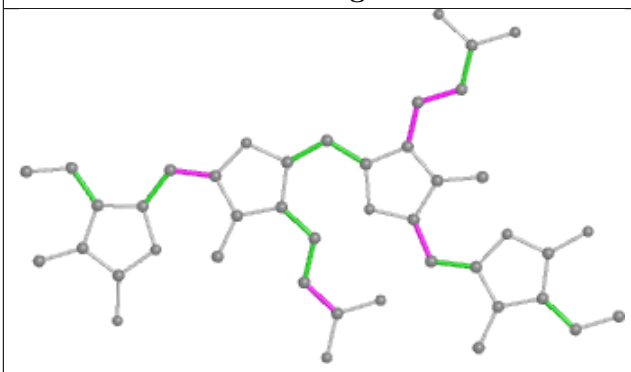

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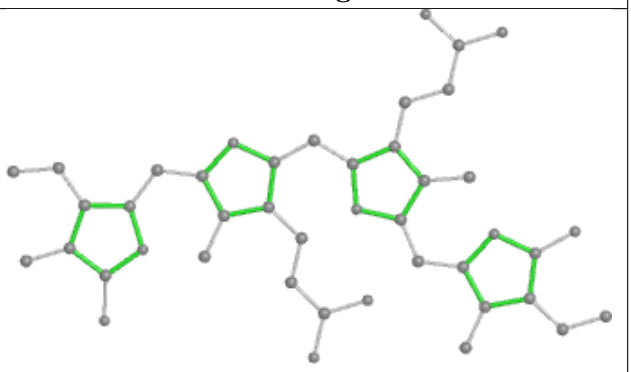
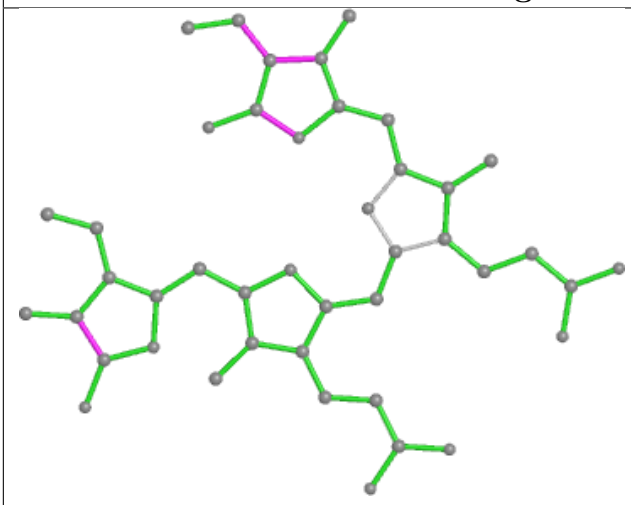


Rings

Ligand PEB H6 202



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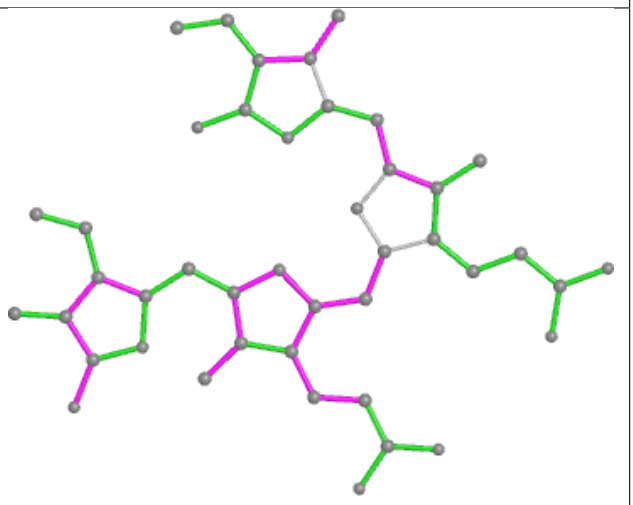

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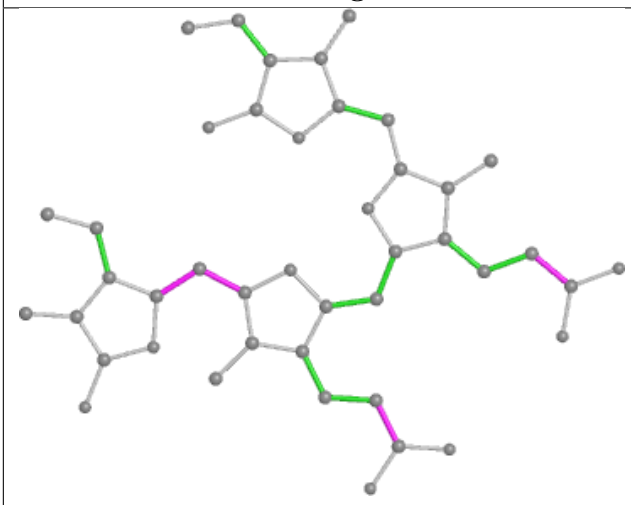

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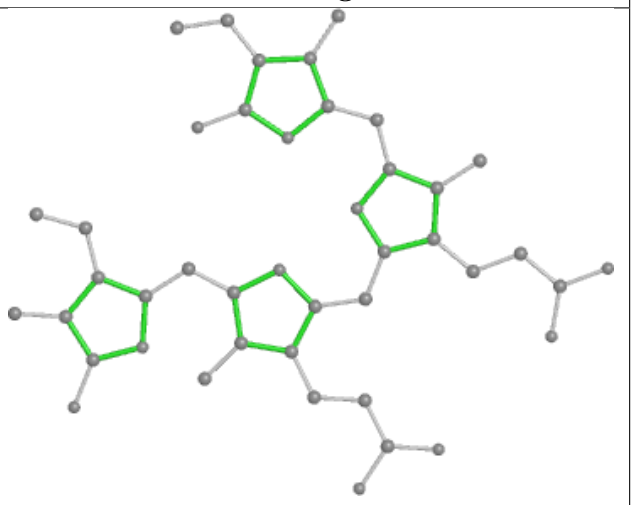
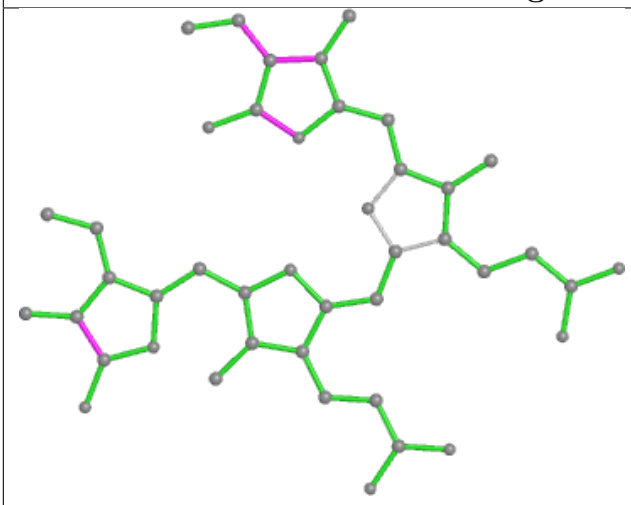


Rings

Ligand PEB lf 201



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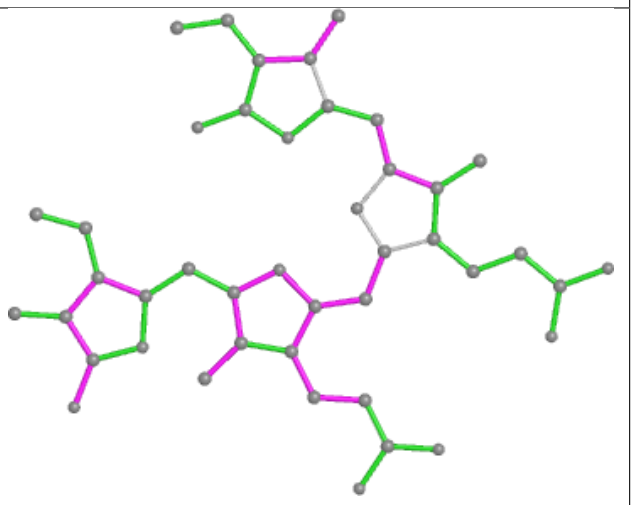

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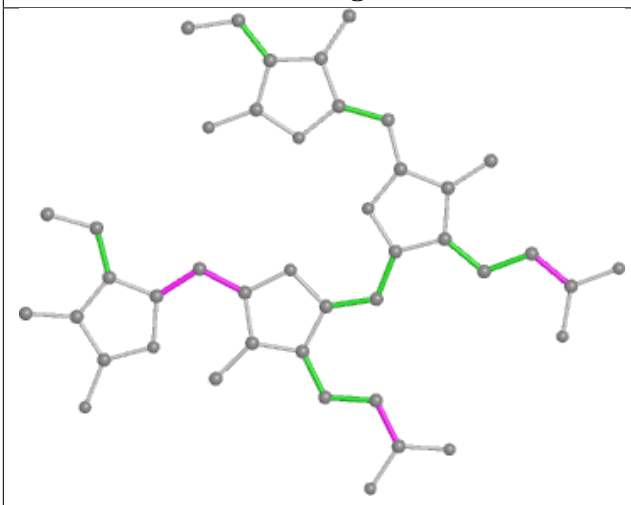

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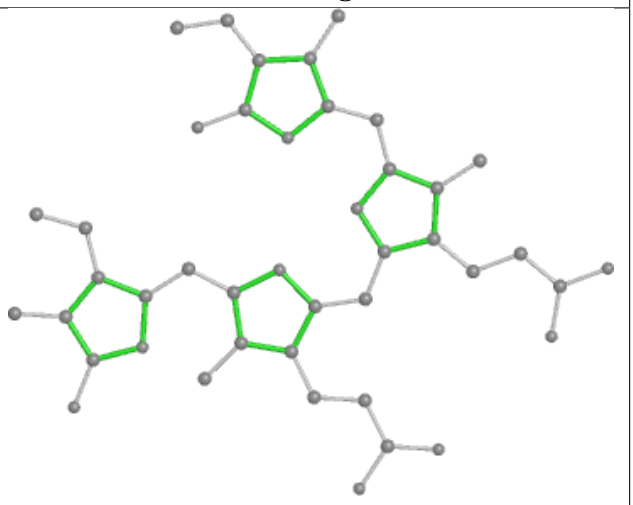

Rings

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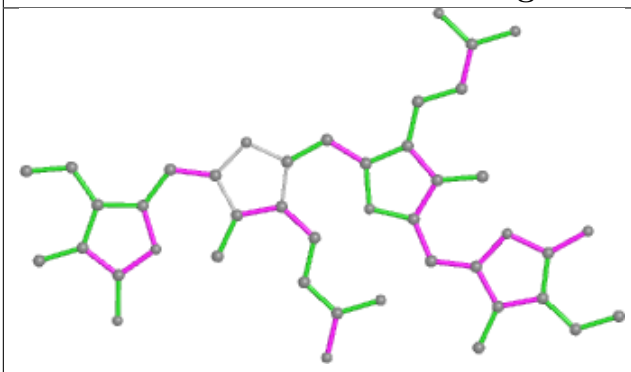

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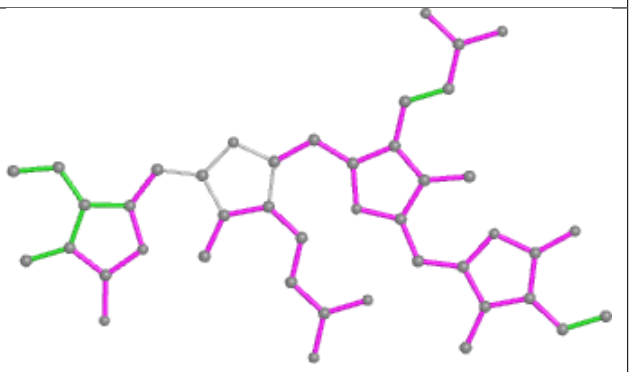

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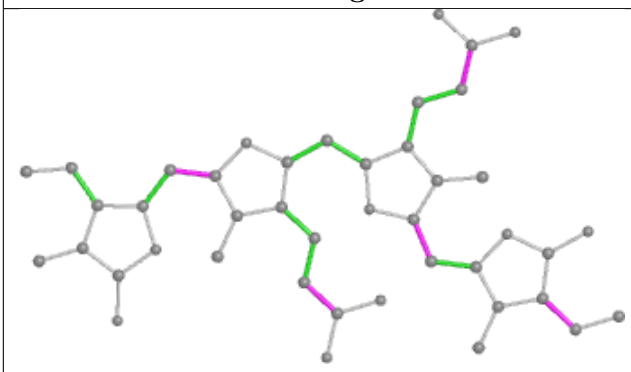

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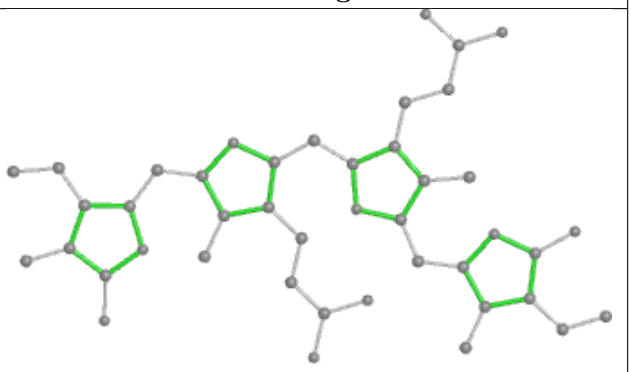
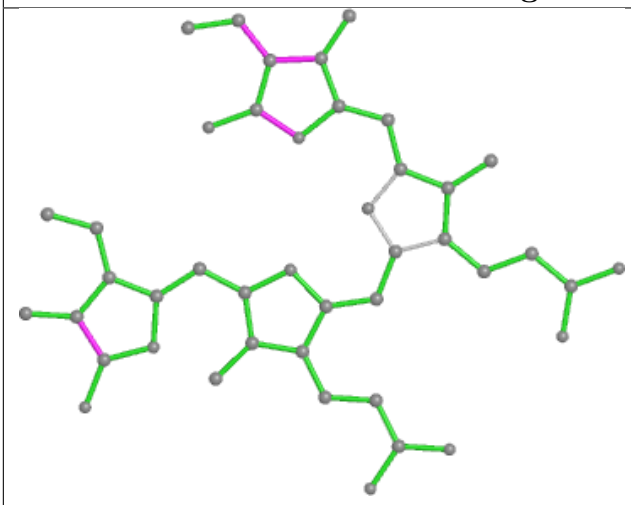


Rings

Ligand PEB e6 201



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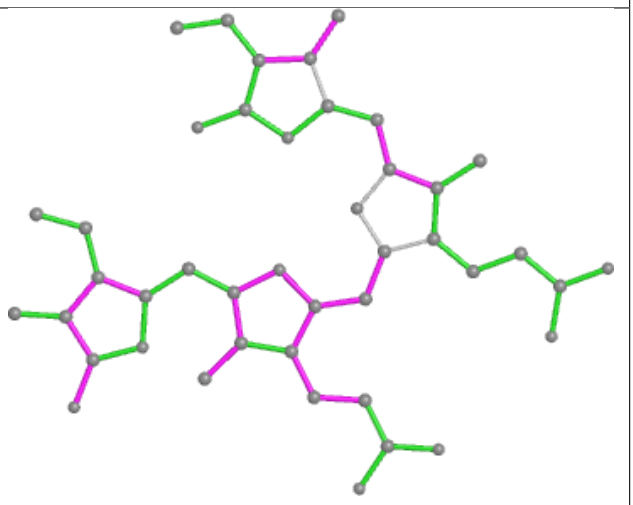

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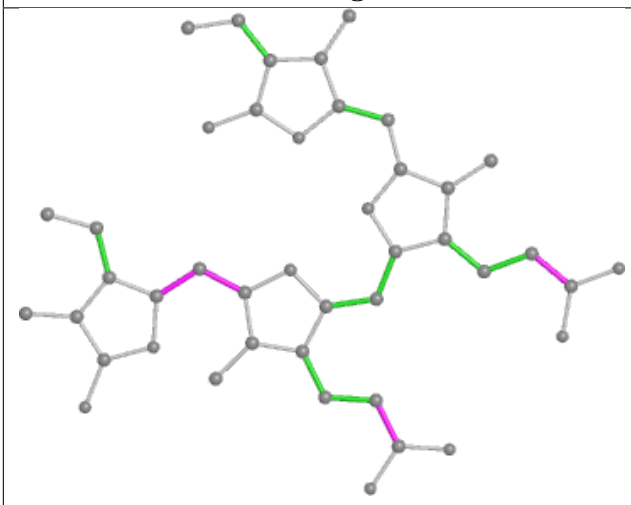

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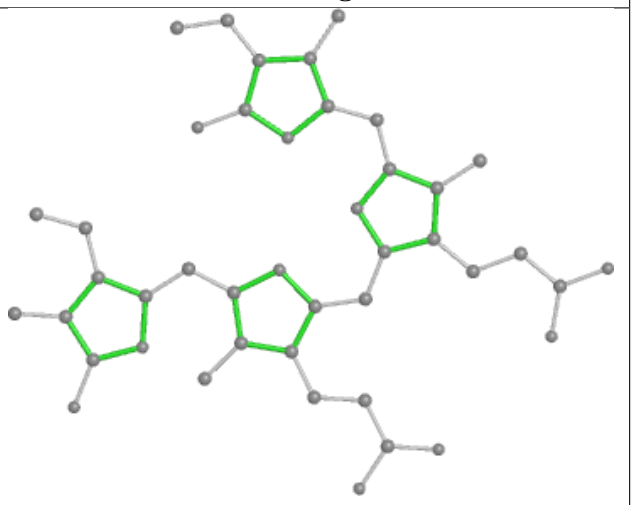
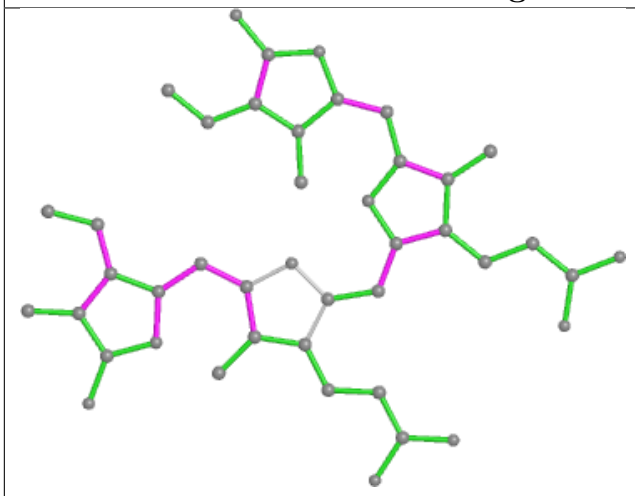


Rings

Ligand PVN 34 1004



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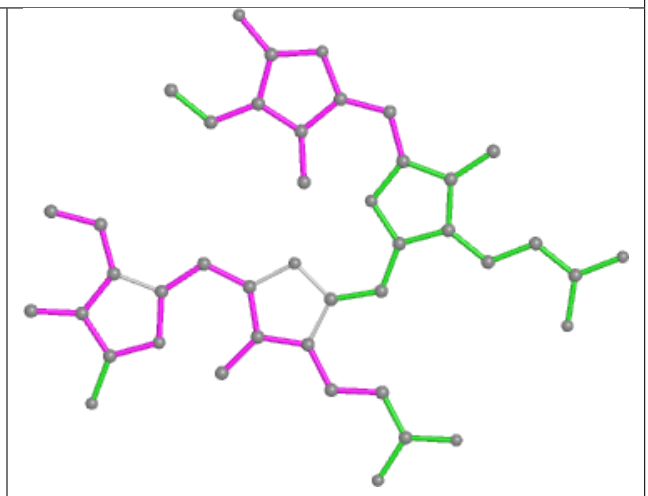

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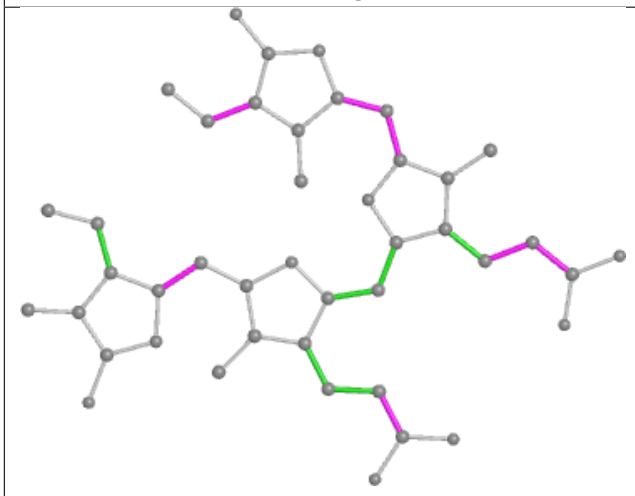

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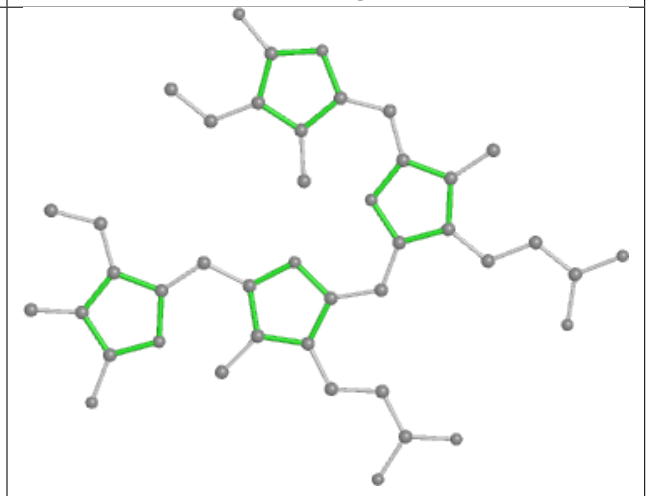
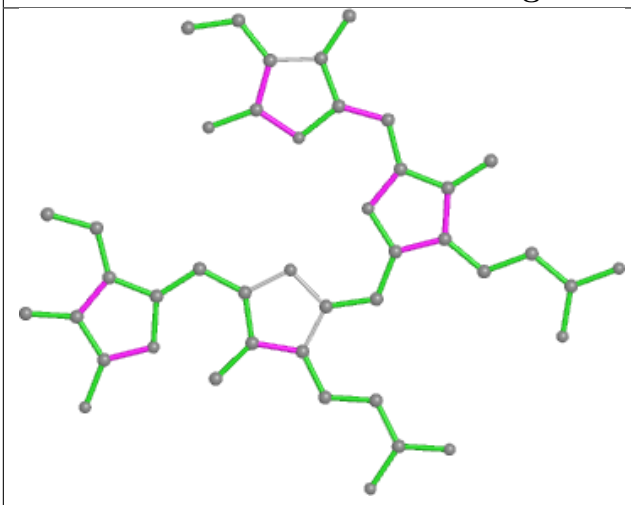


Rings

Ligand PUB lz 404



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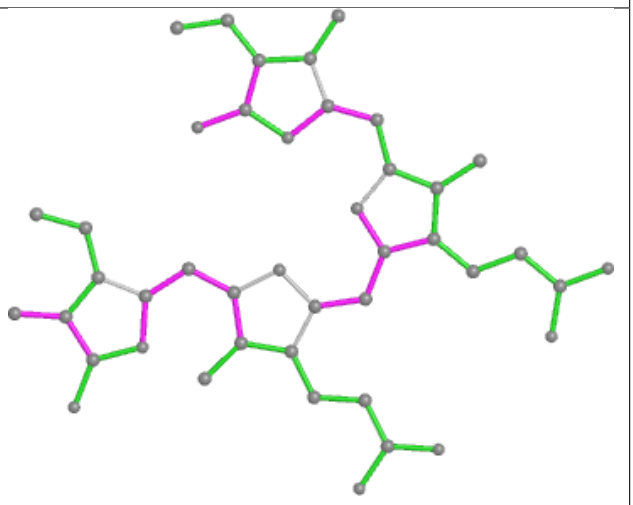

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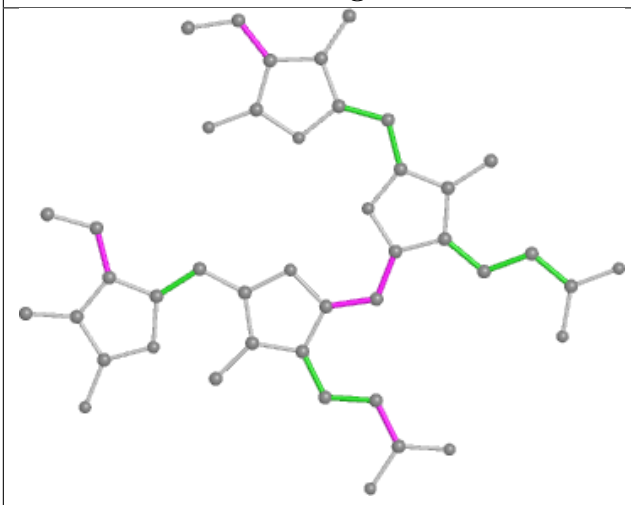

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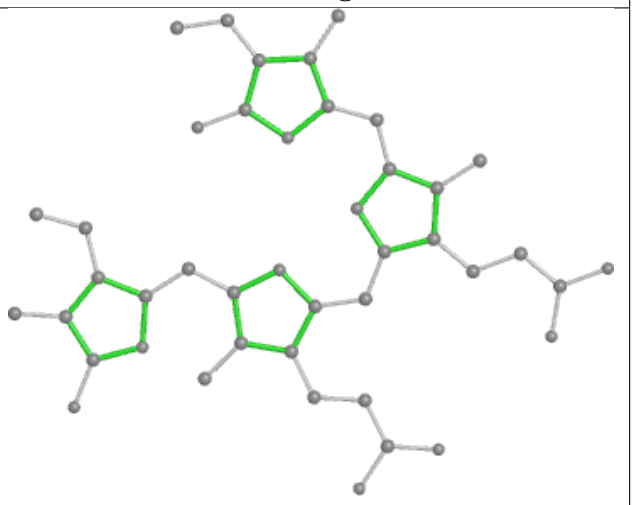
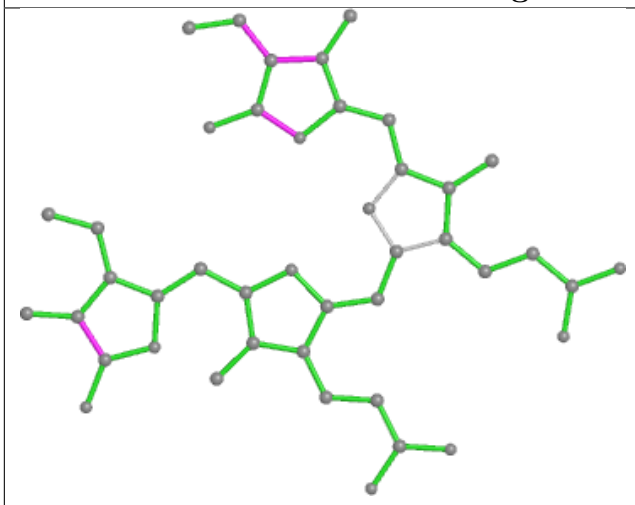


Rings

Ligand PEB q3 1001



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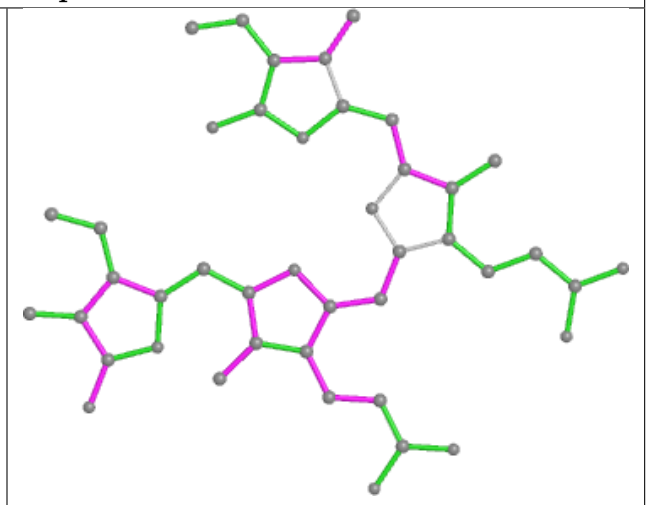

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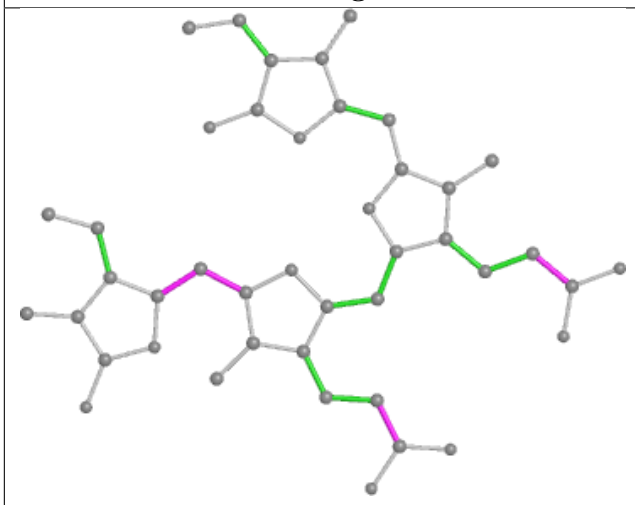

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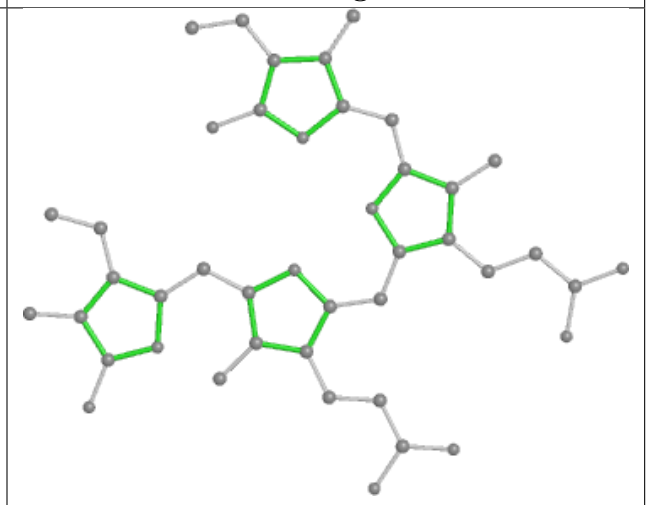

Rings

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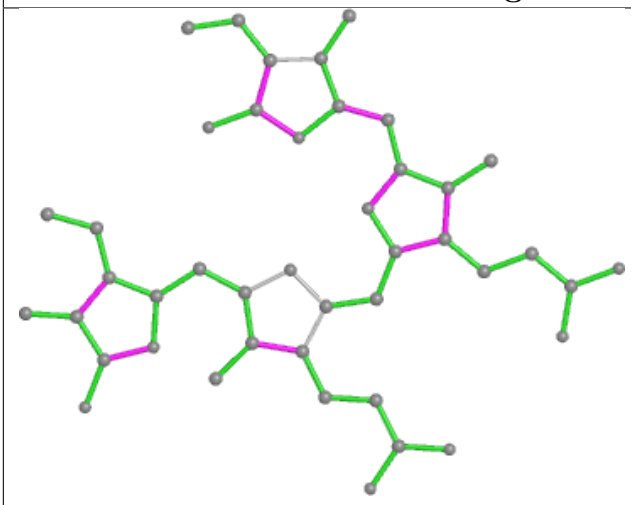

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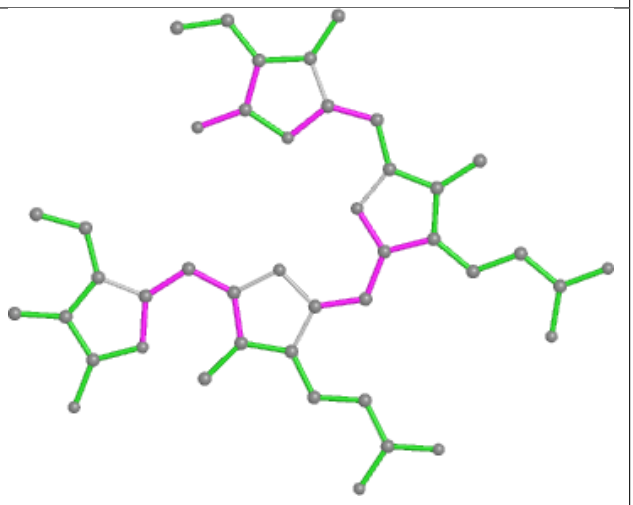

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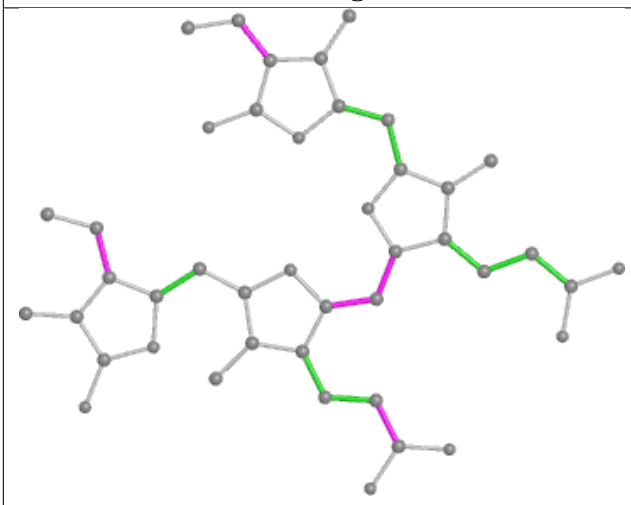

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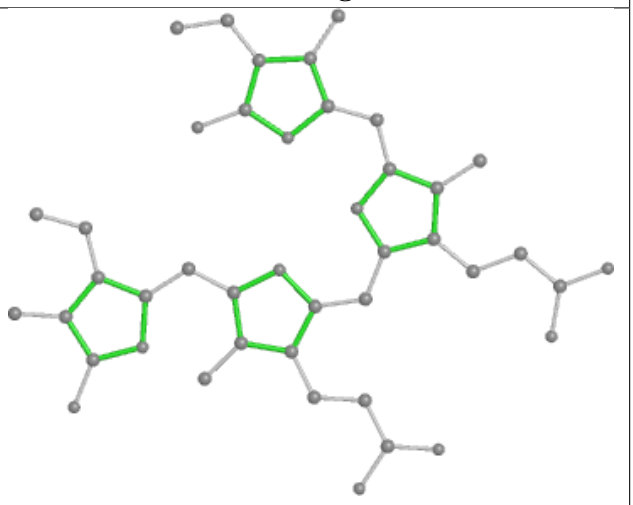
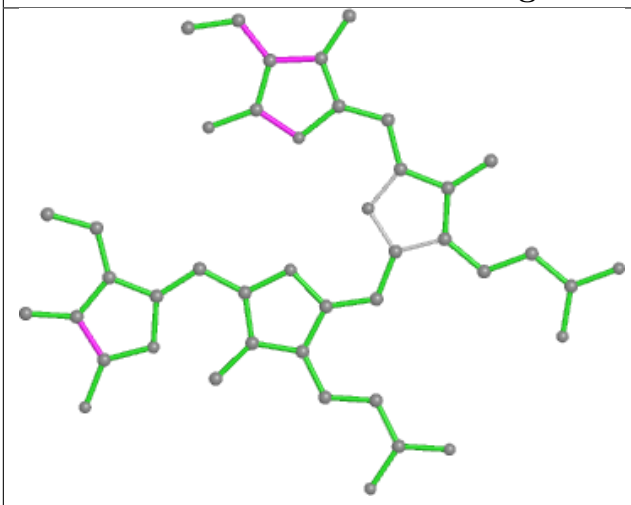


Rings

Ligand PEB d7 201



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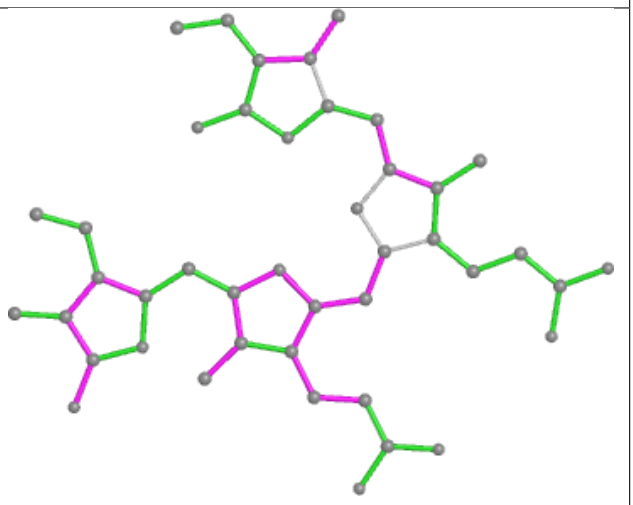

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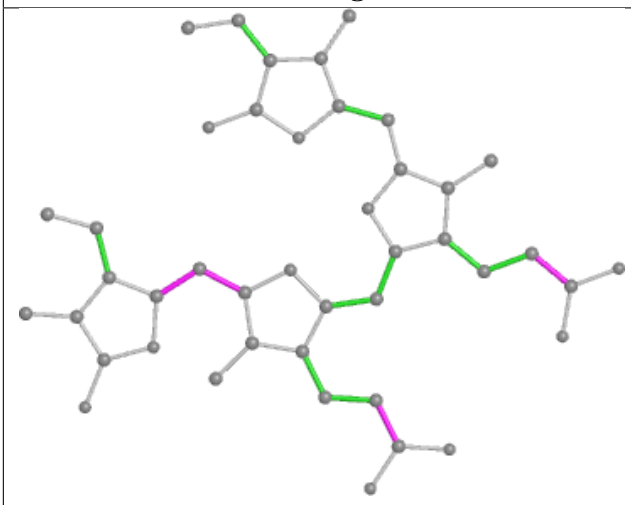

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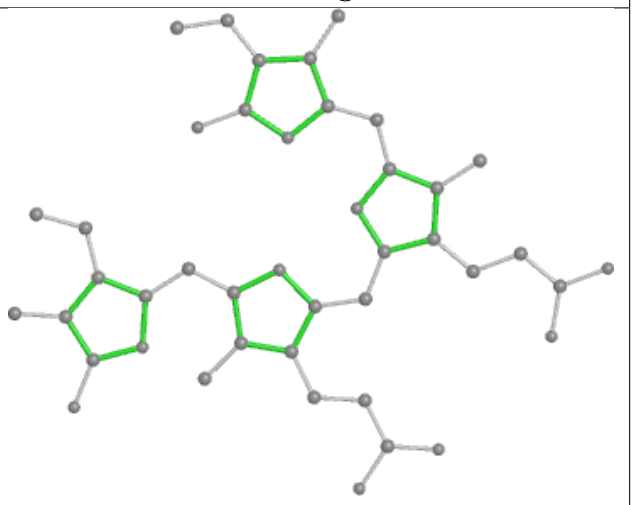
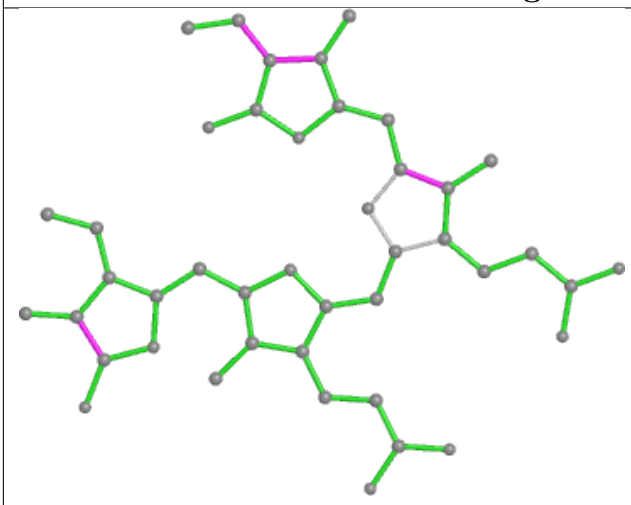


Rings

Ligand PEB f7 202



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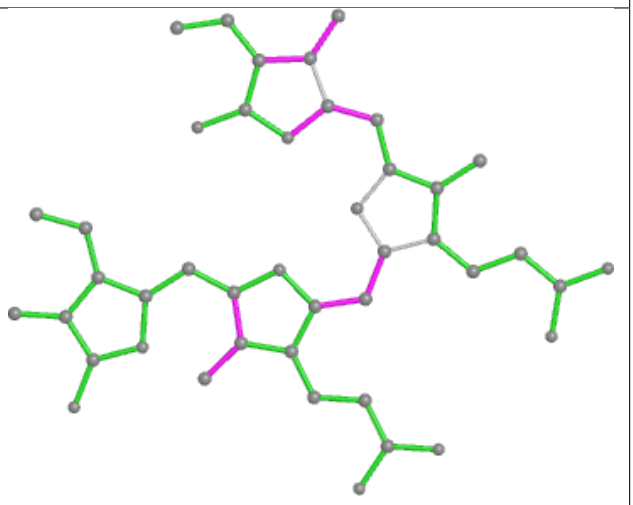
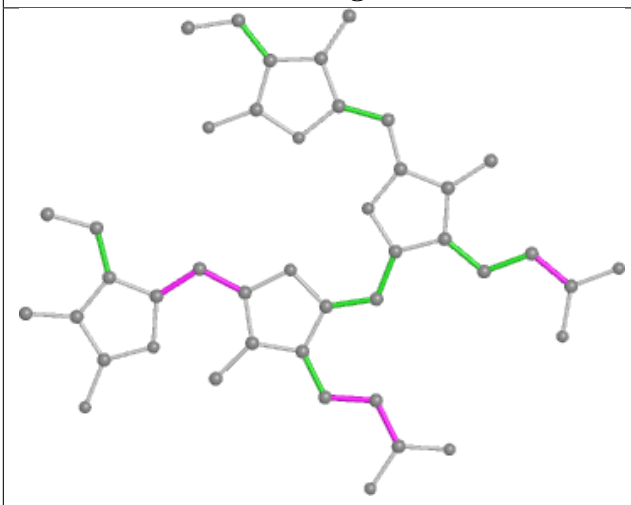


Bond angles



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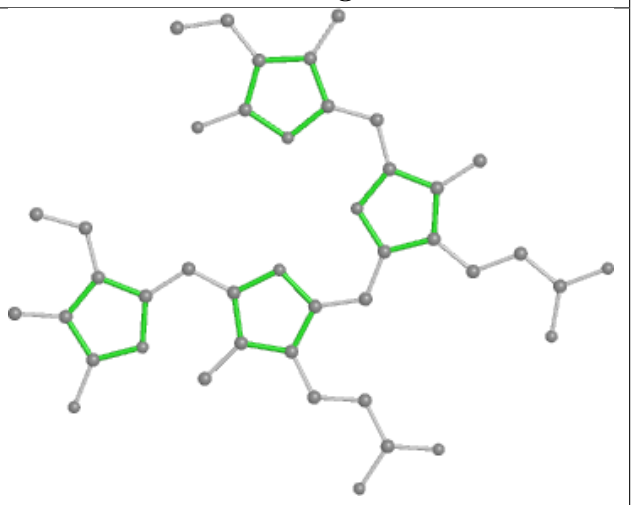
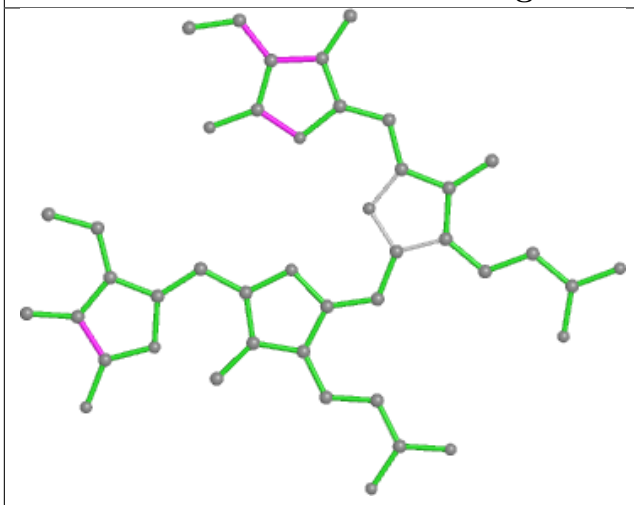


Rings

Ligand PEB H4 202



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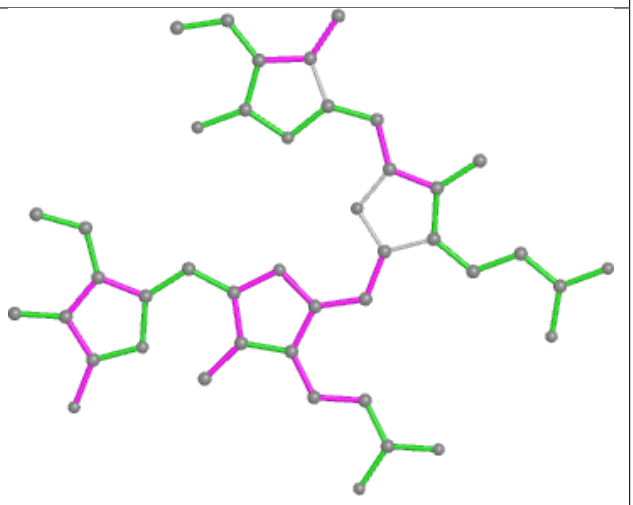

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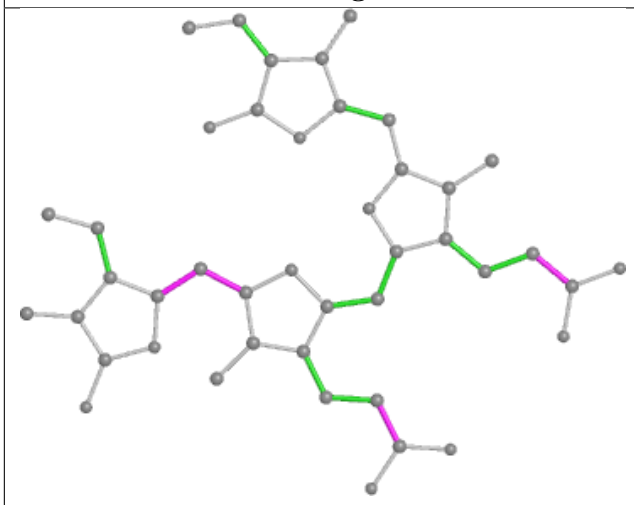
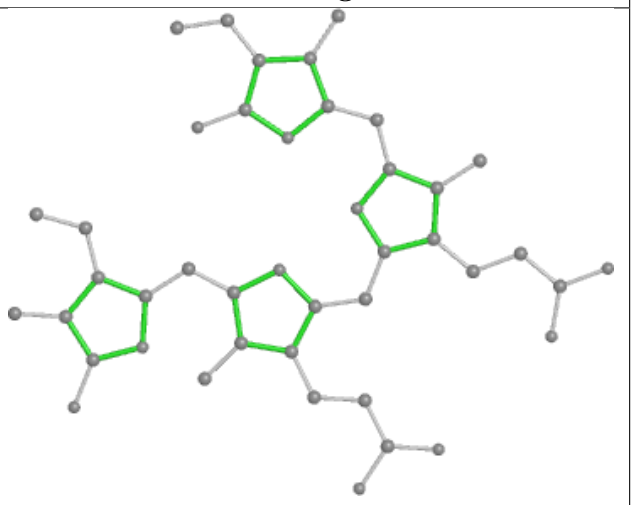
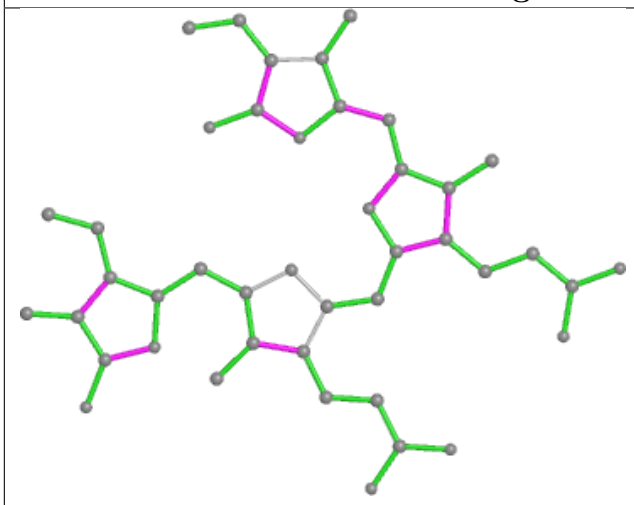


Torsions



Rings

Ligand PUB dH 203



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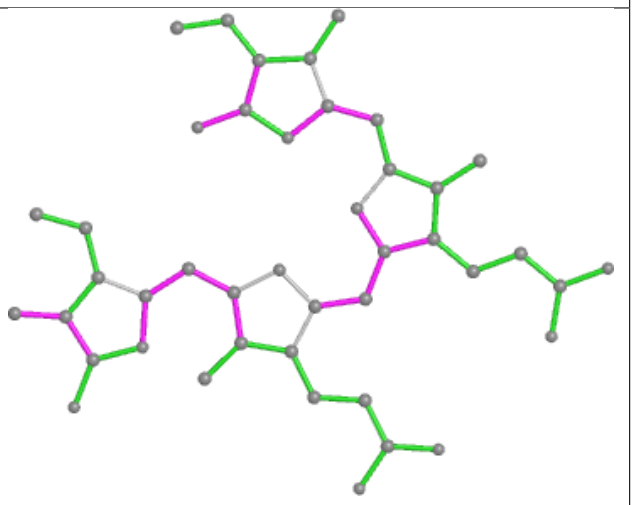

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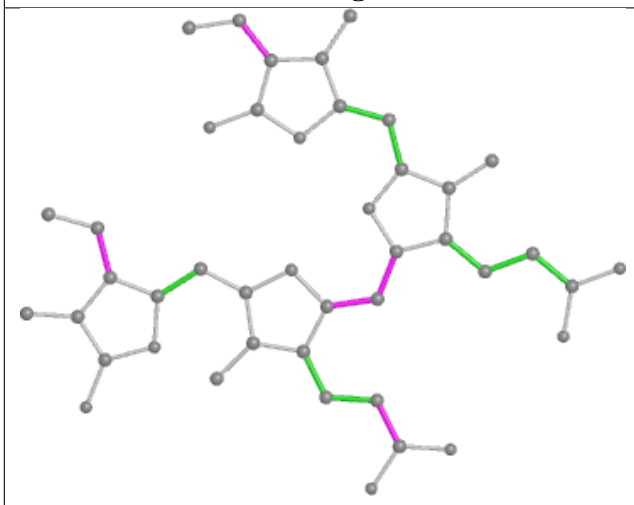

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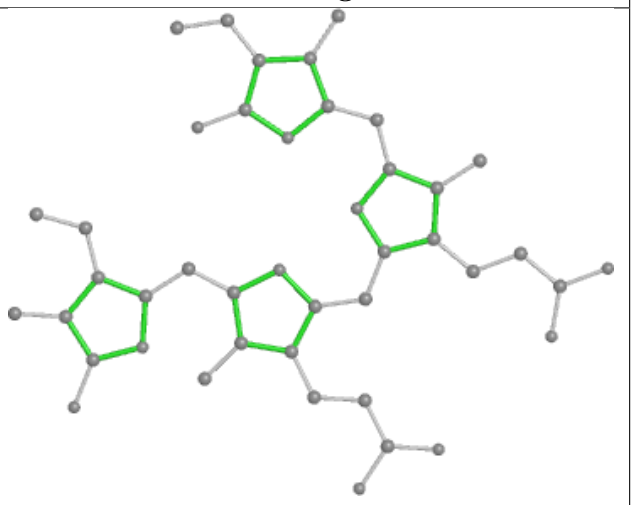
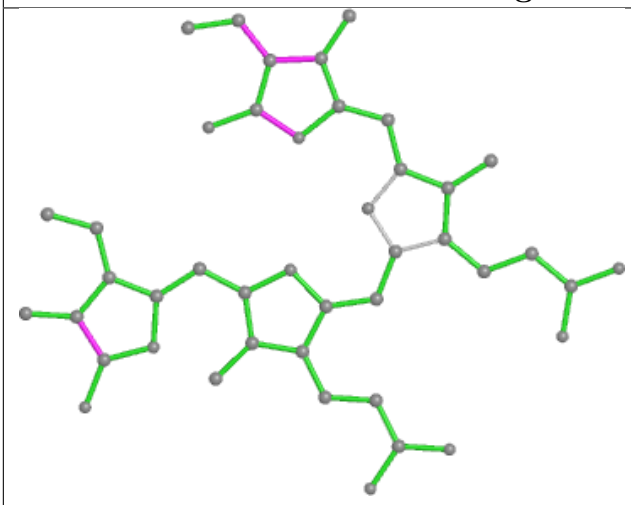


Rings

Ligand PEB U9 201



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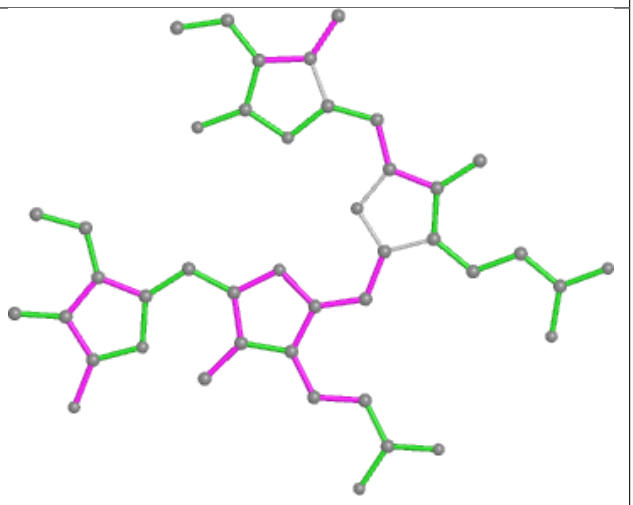

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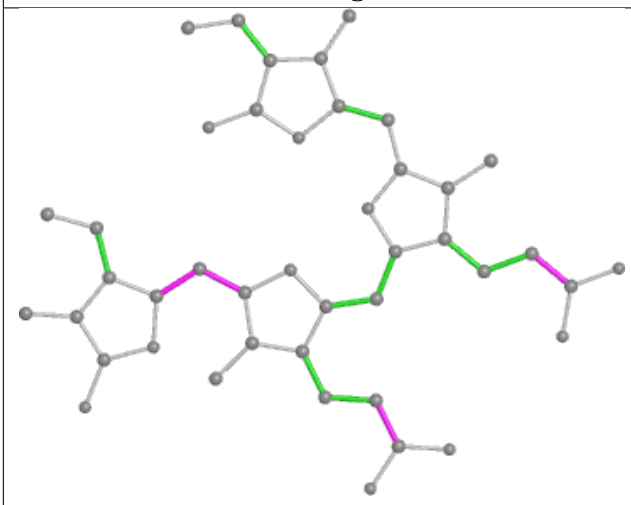

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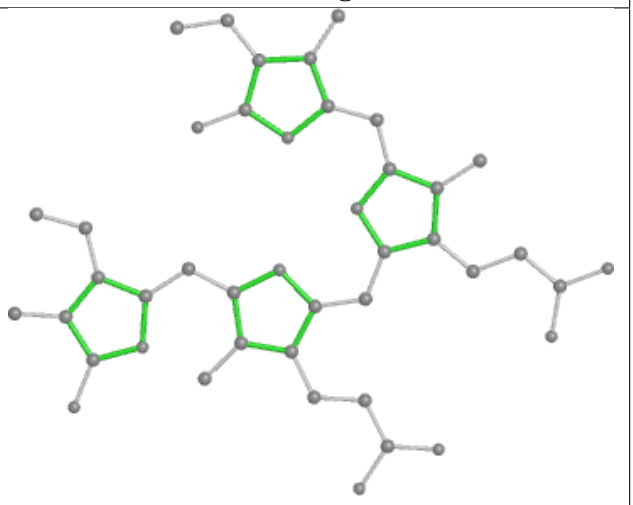

Rings

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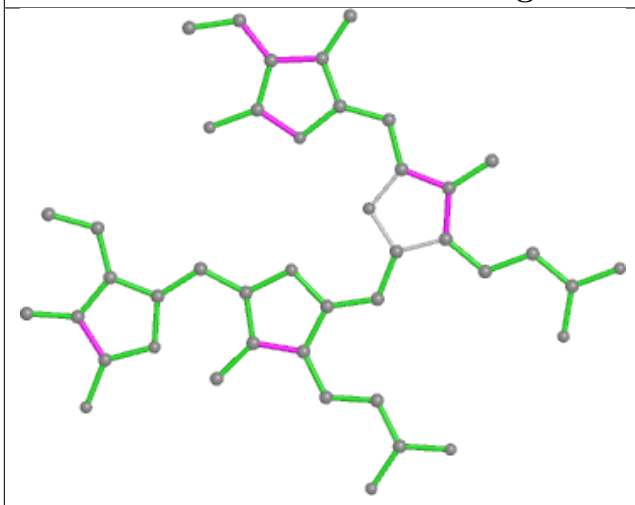

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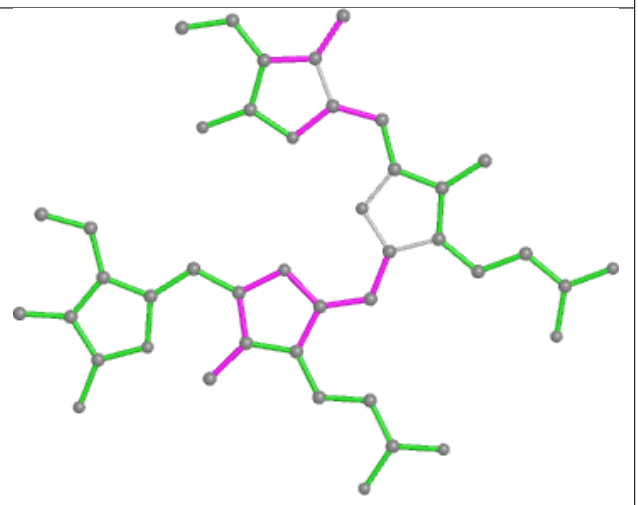

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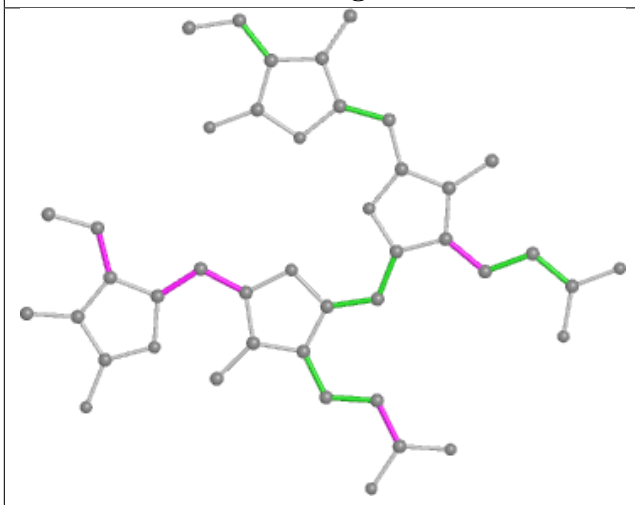

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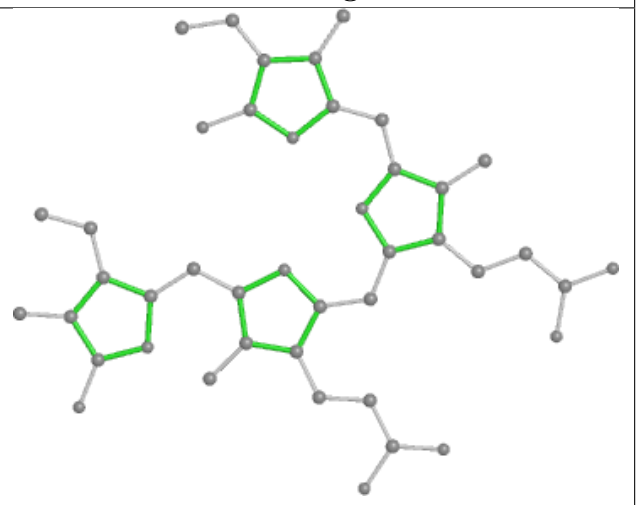
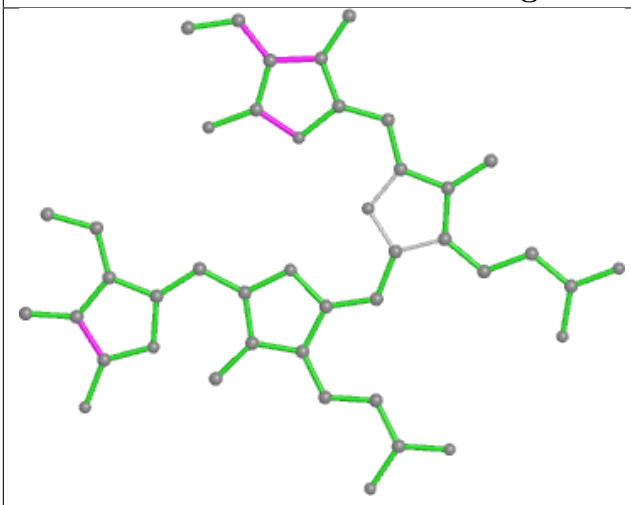


Rings

Ligand PEB gz 303



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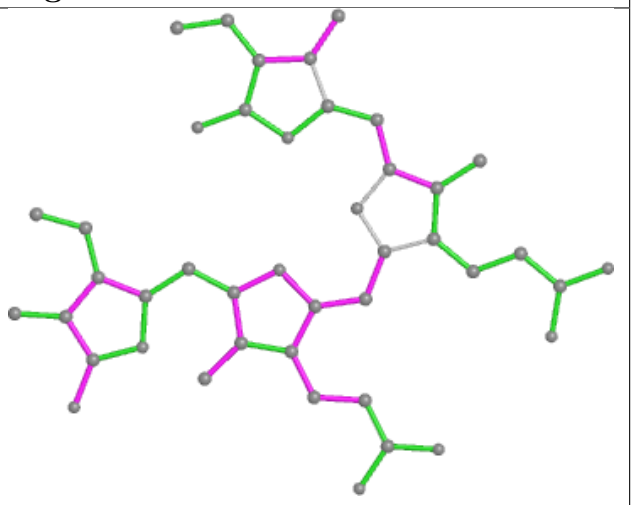

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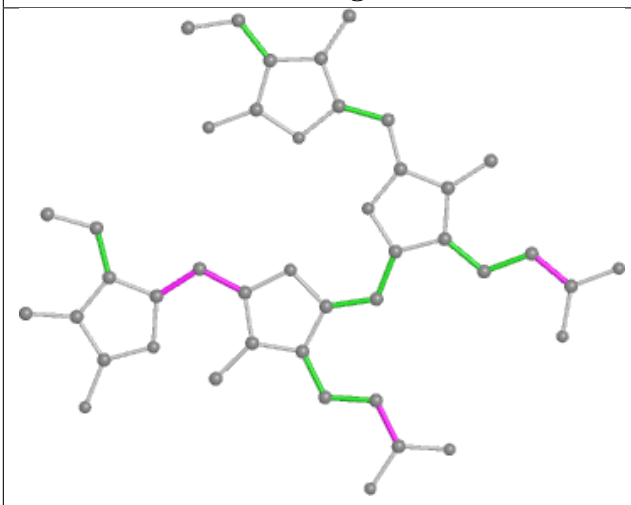

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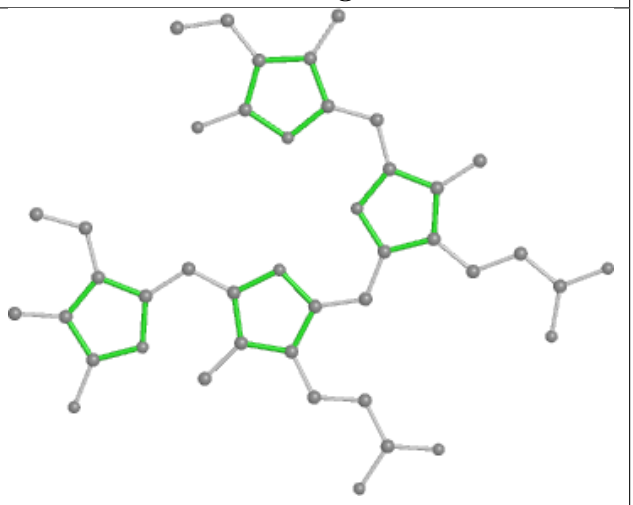

Rings

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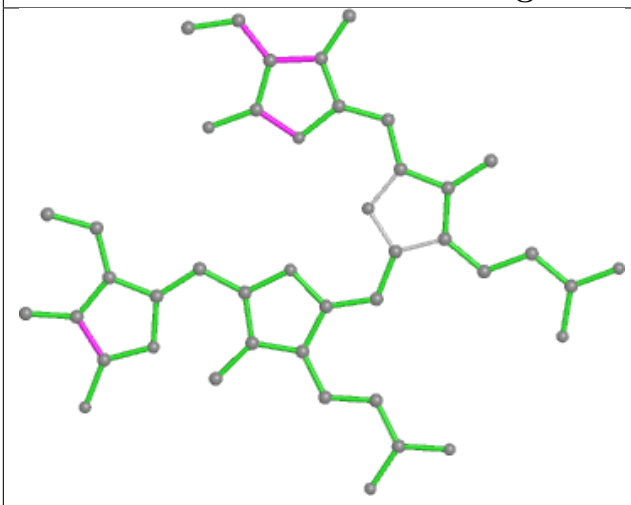

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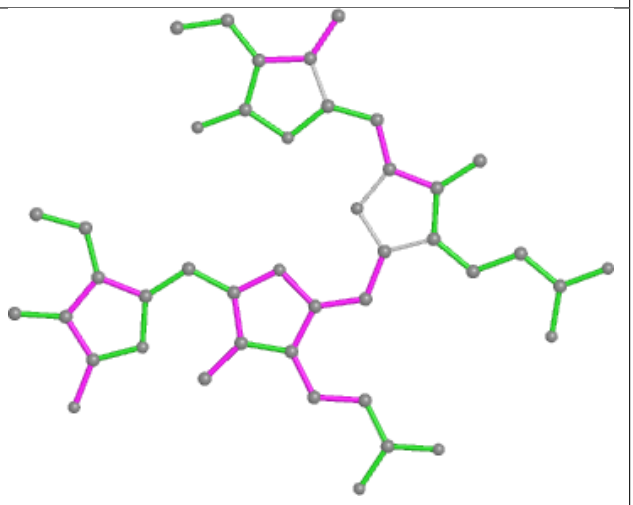

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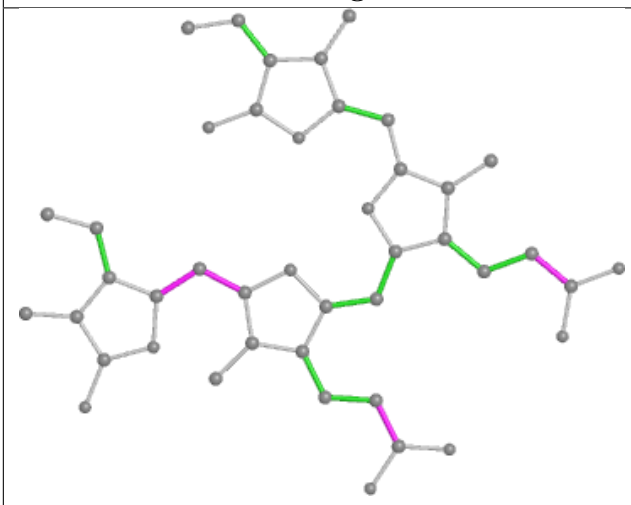

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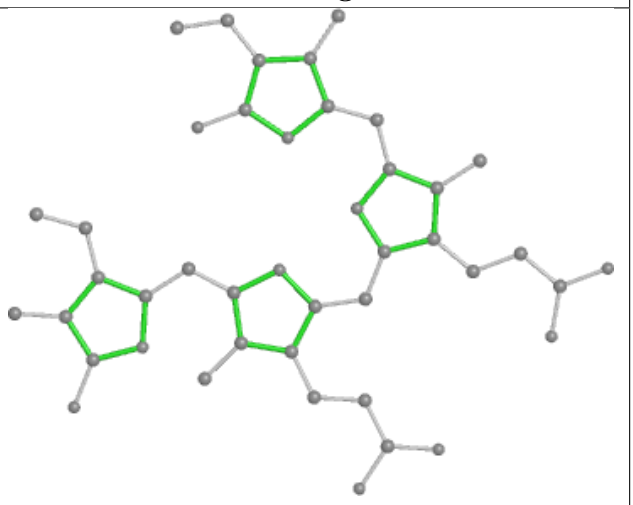

Rings

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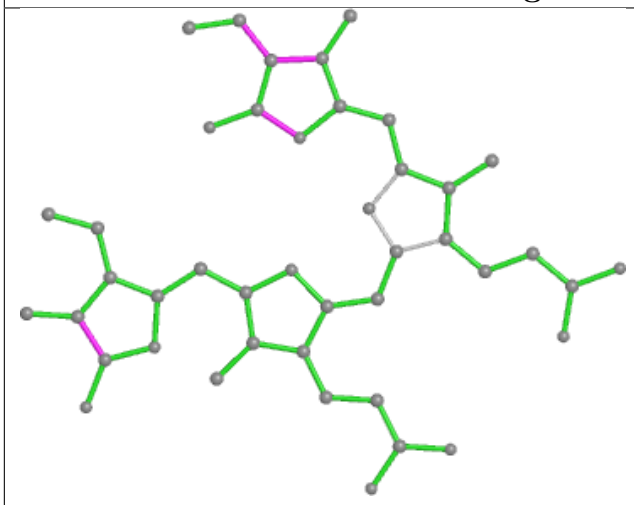

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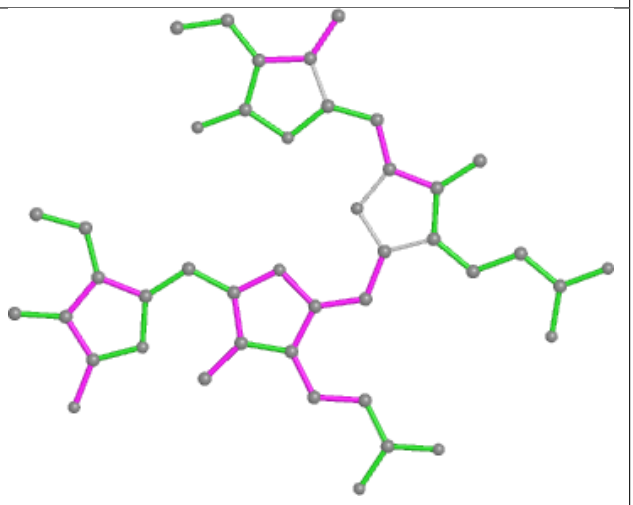

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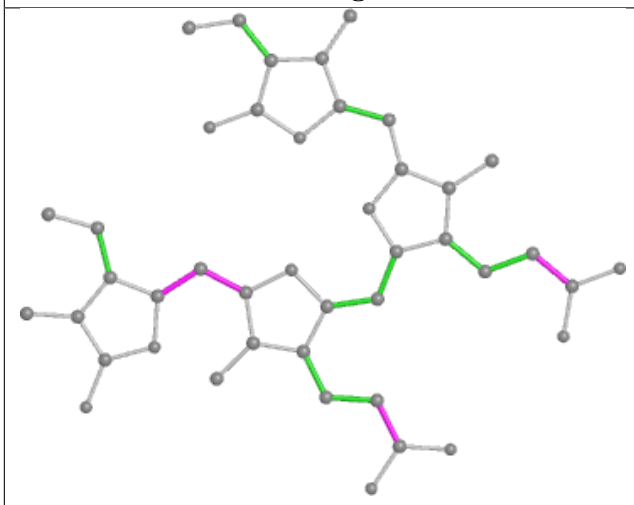

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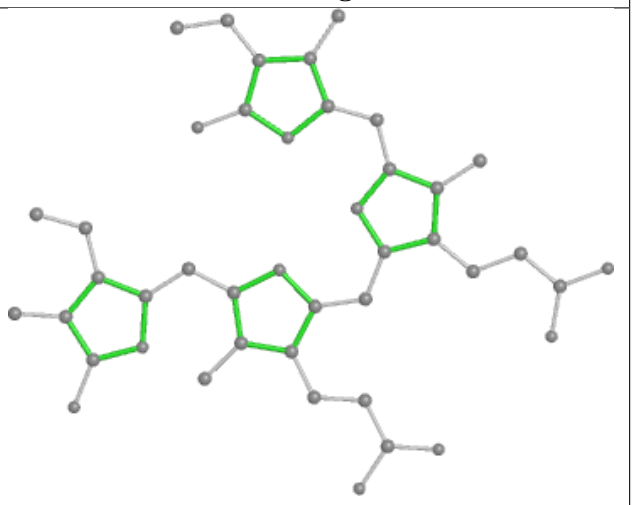

Rings

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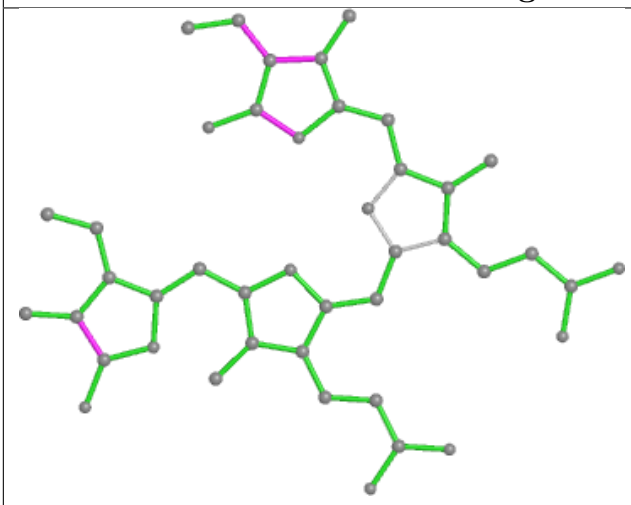

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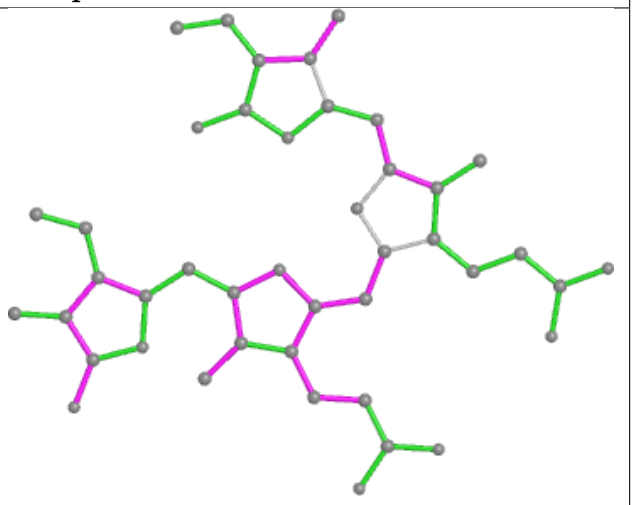

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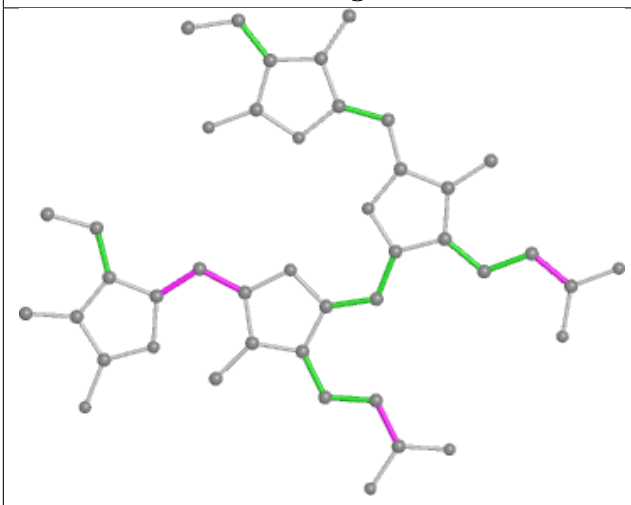

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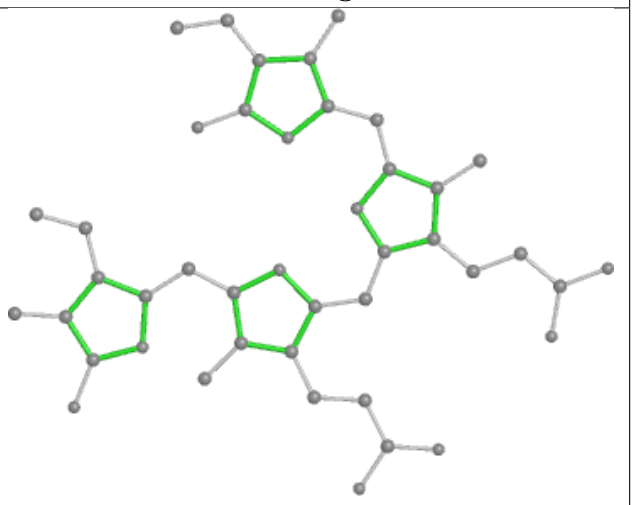
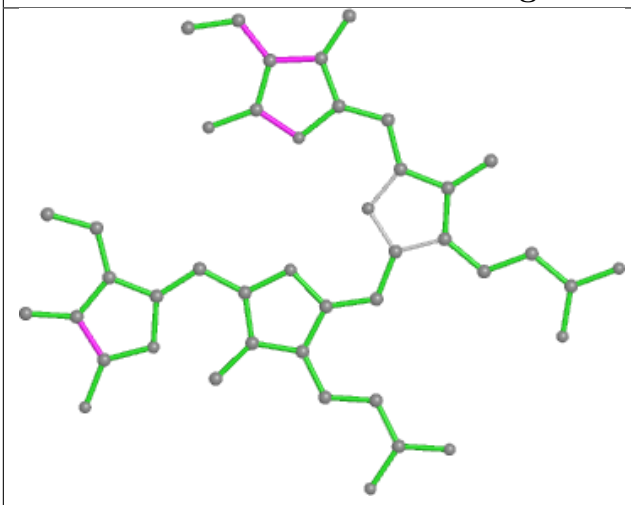


Rings

Ligand PEB k3 201



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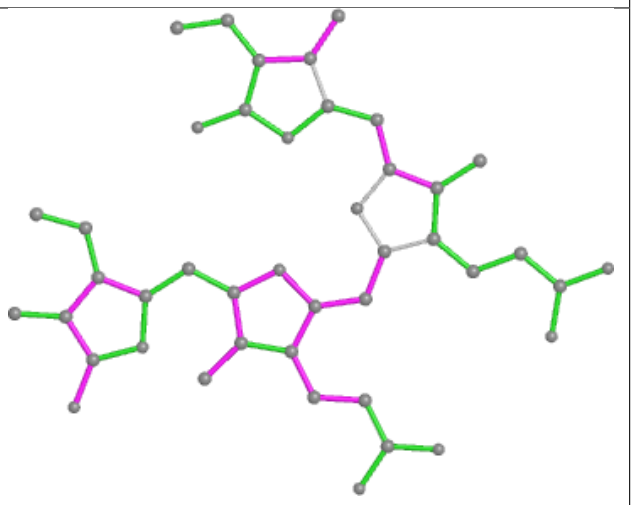

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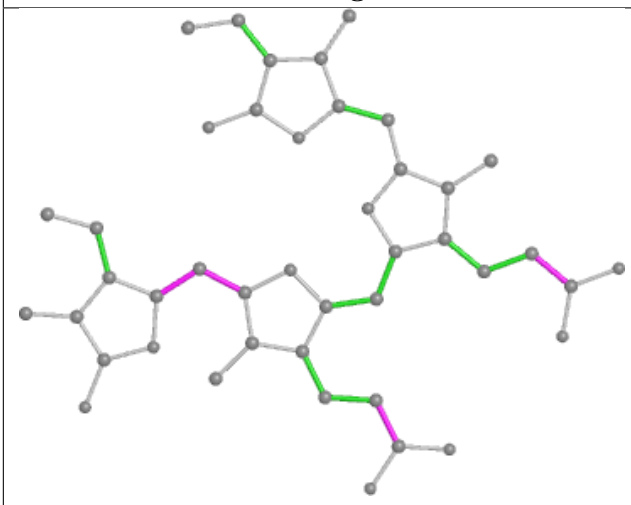

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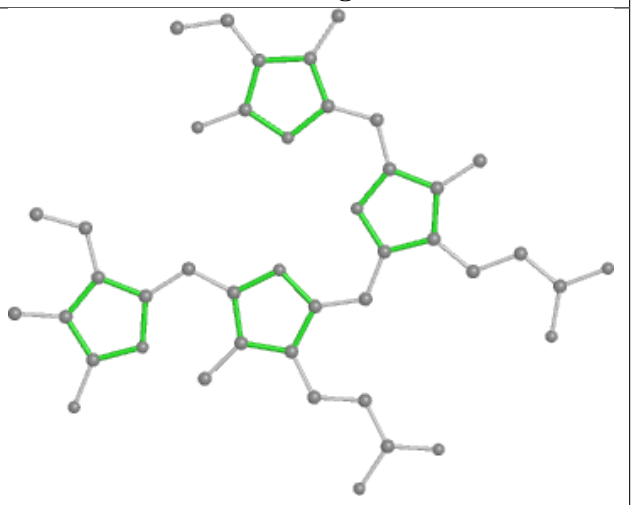
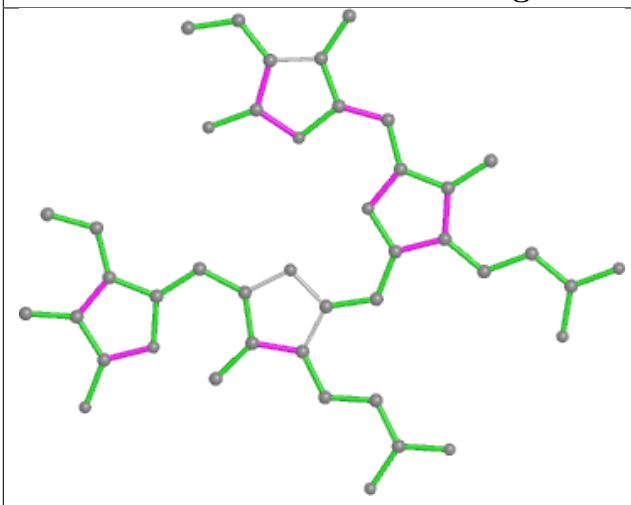


Rings

Ligand PUB dw 406



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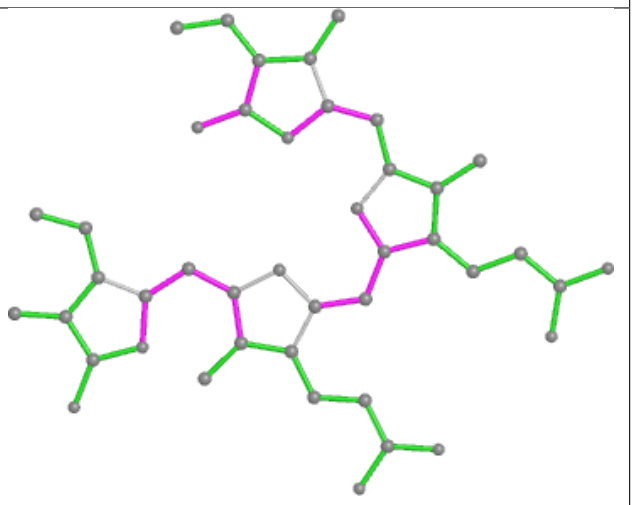

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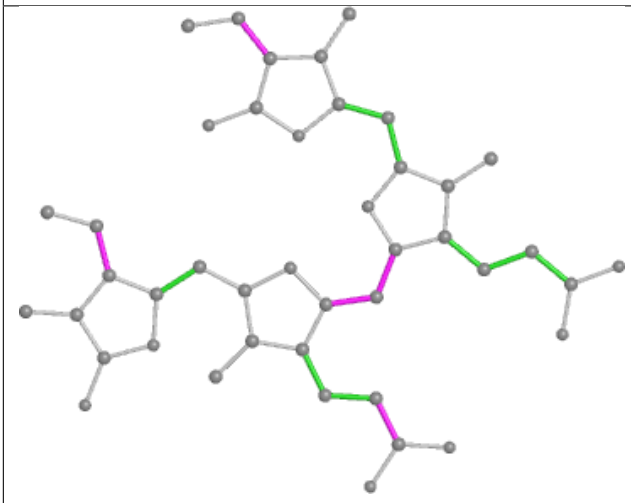

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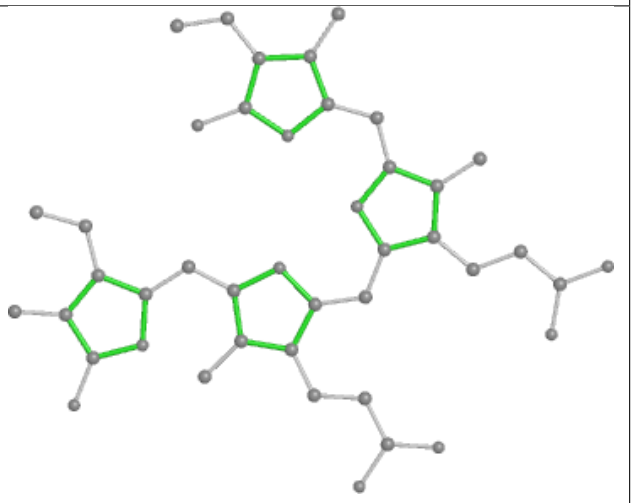
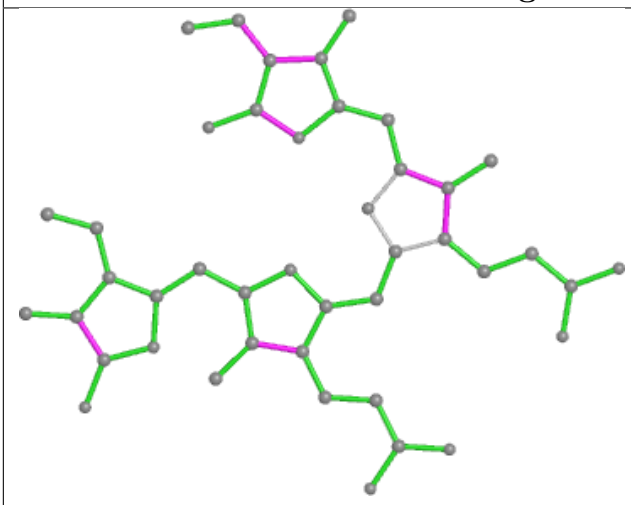


Rings

Ligand PEB p5 201



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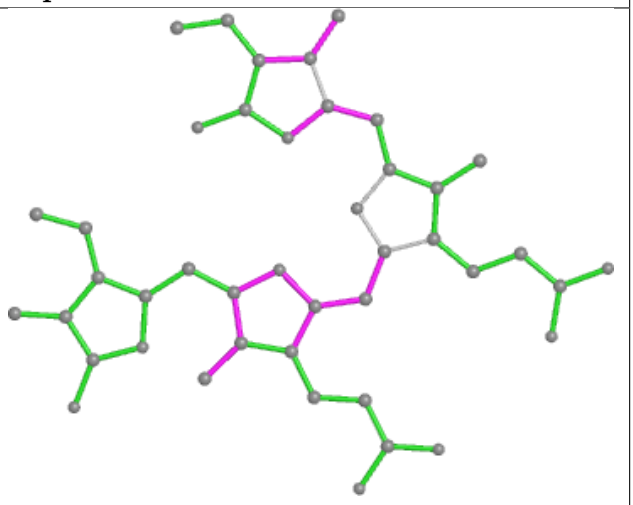

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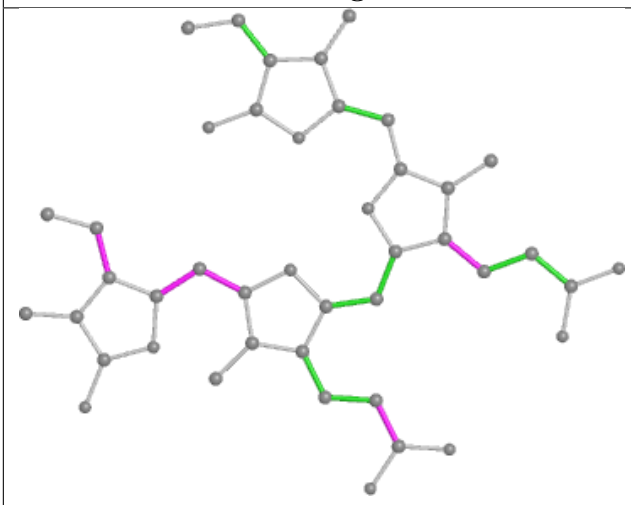

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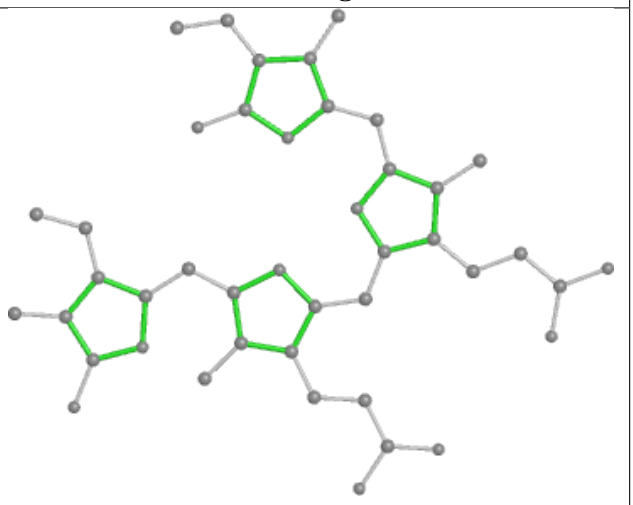
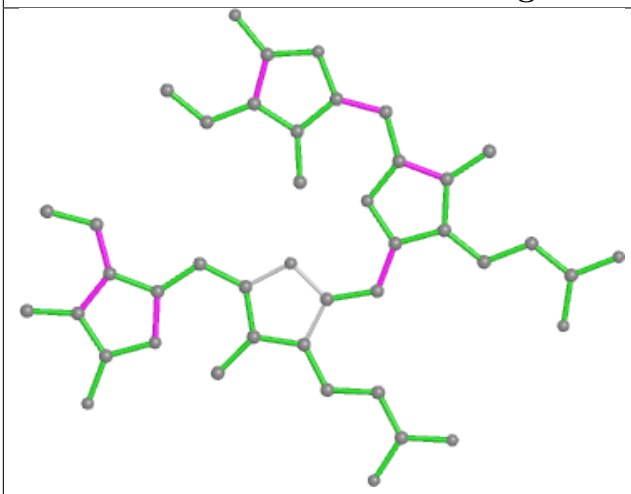


Rings

Ligand PVN c8 303



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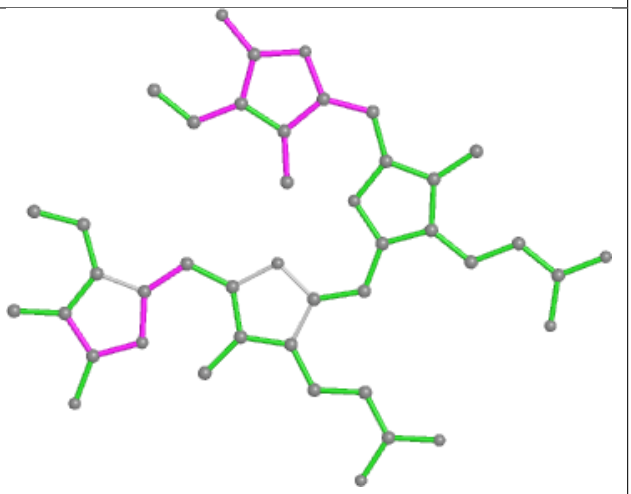

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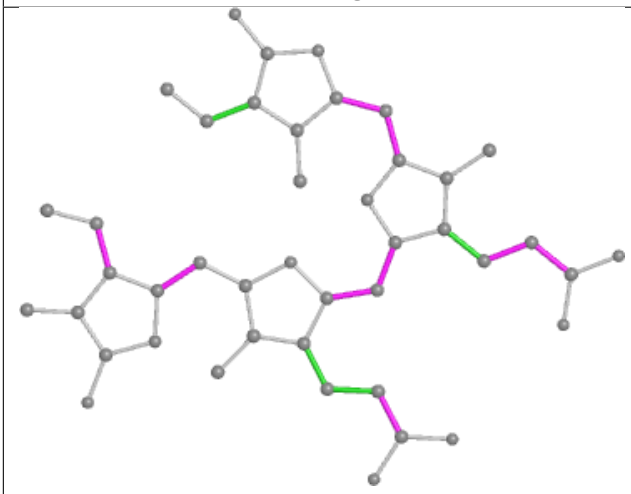

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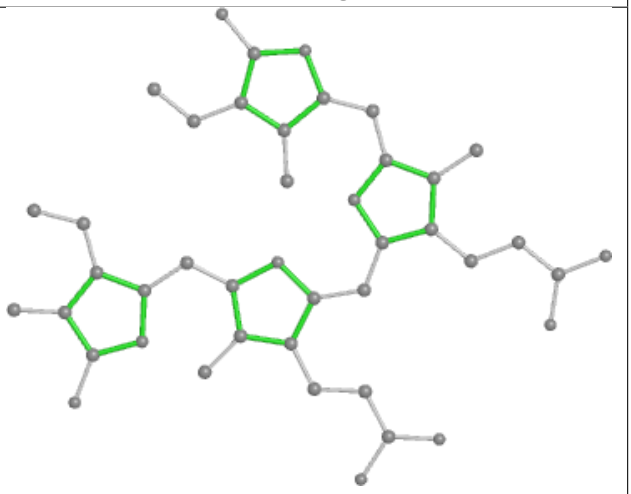
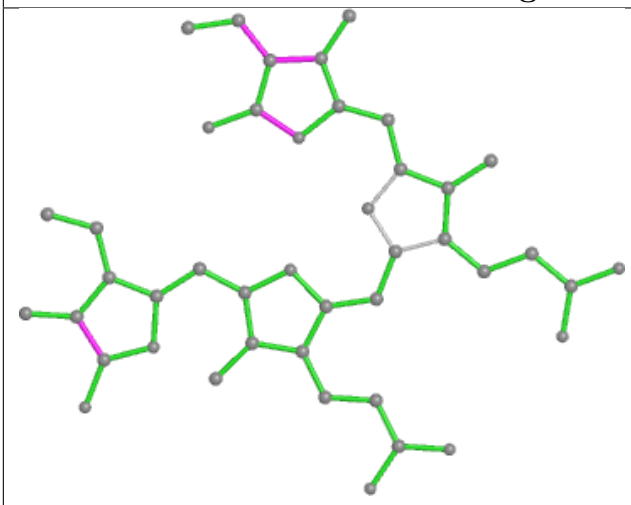


Rings

Ligand PEB gv 201



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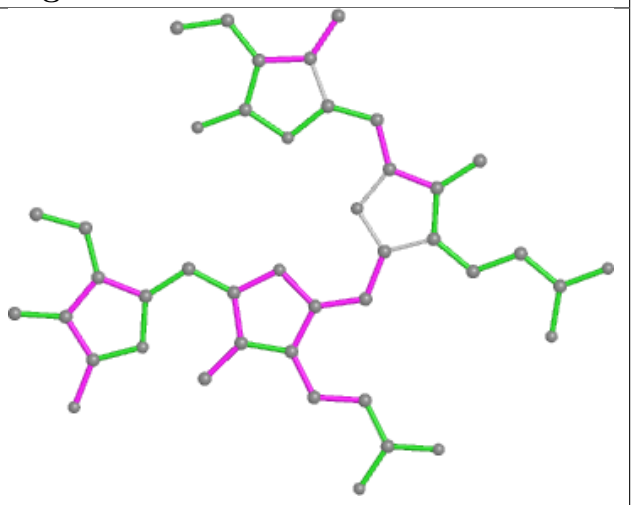

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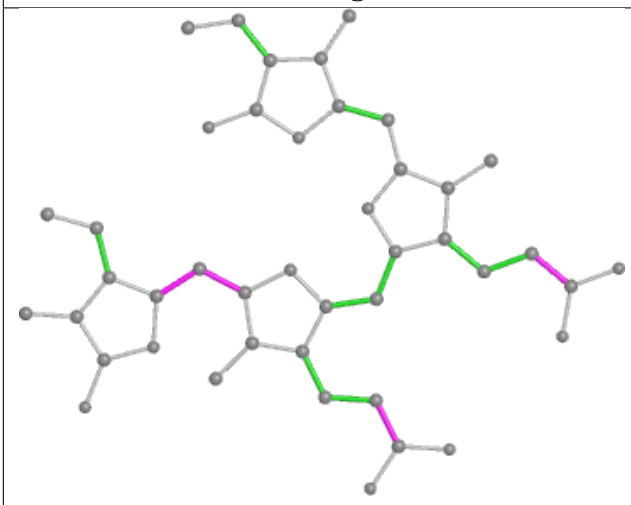

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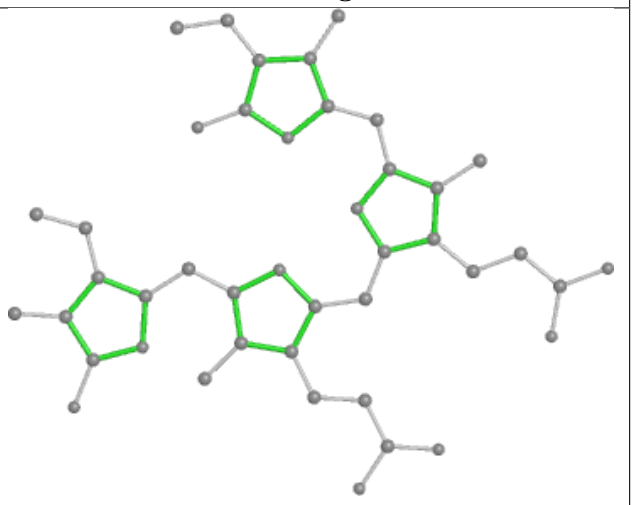

Rings

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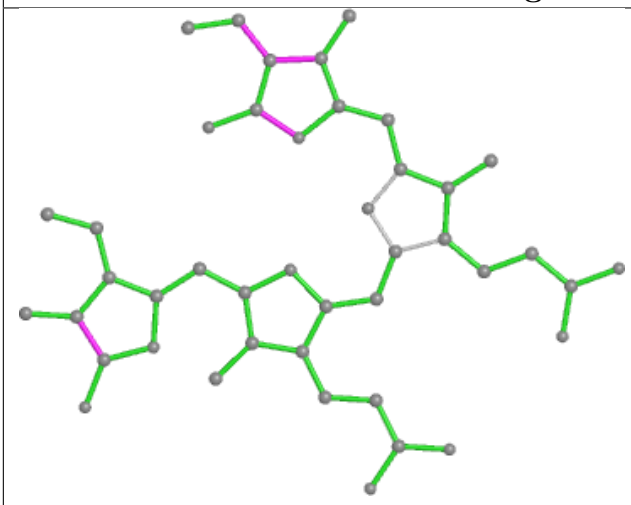

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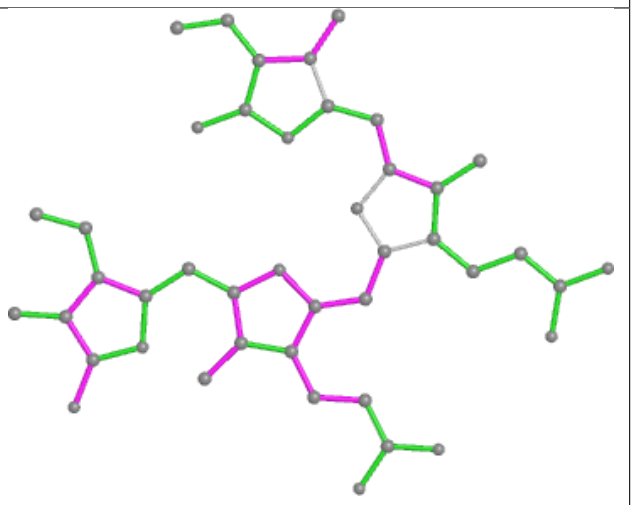
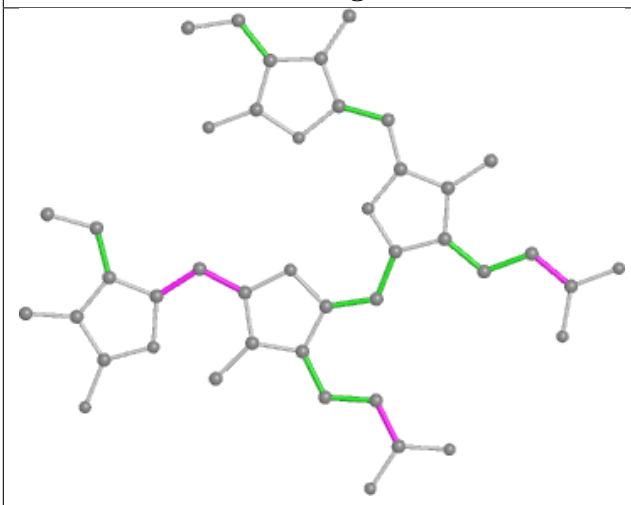
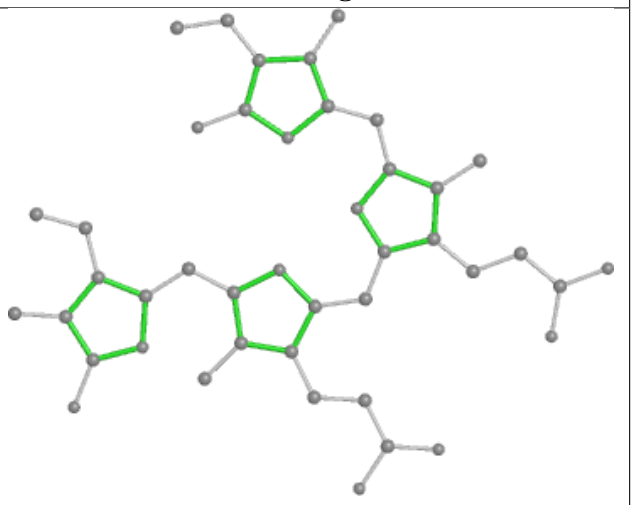


Bond angles

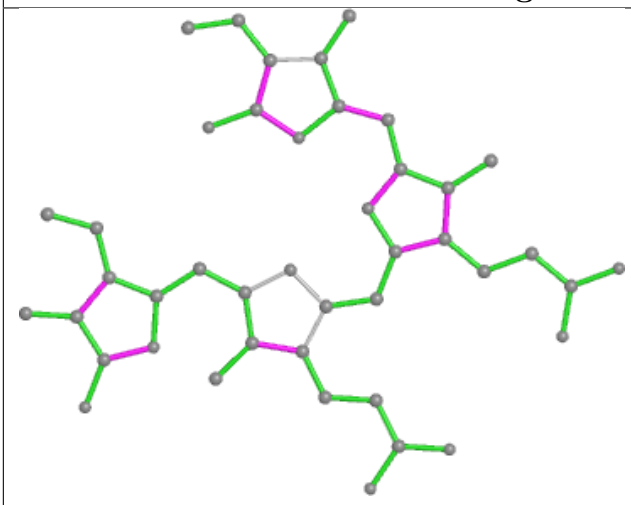


Torsions



Rings

Ligand PUB Z5 305



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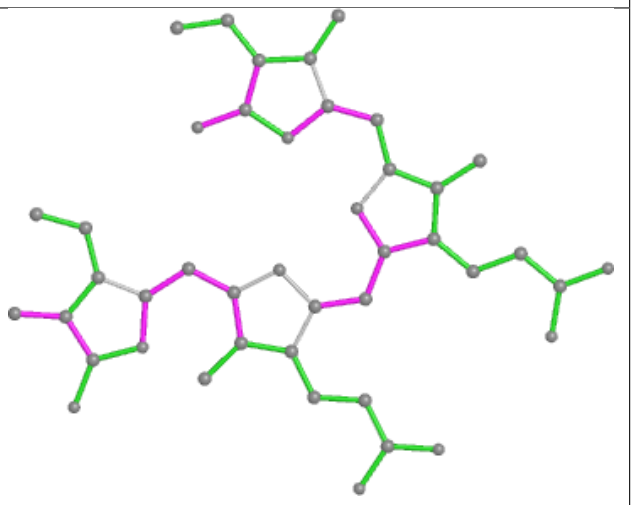

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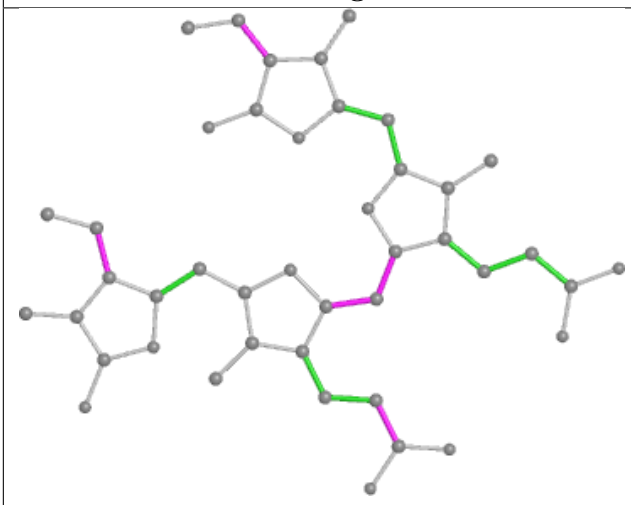

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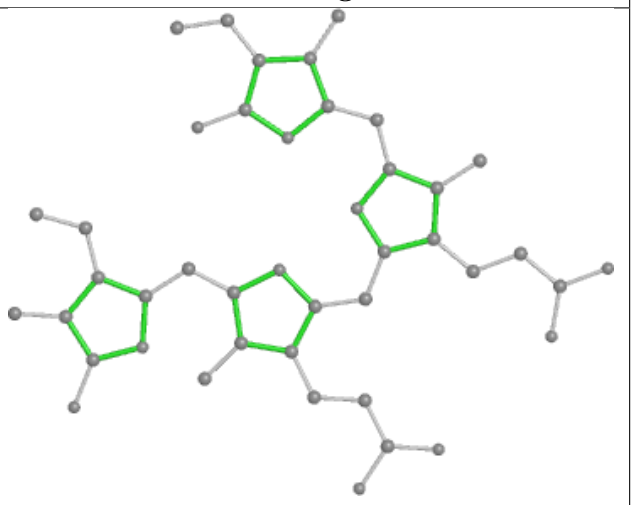
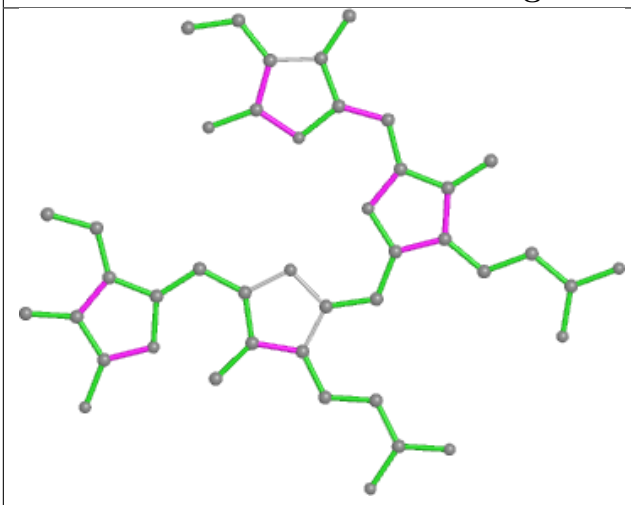


Rings

Ligand PUB lt 203



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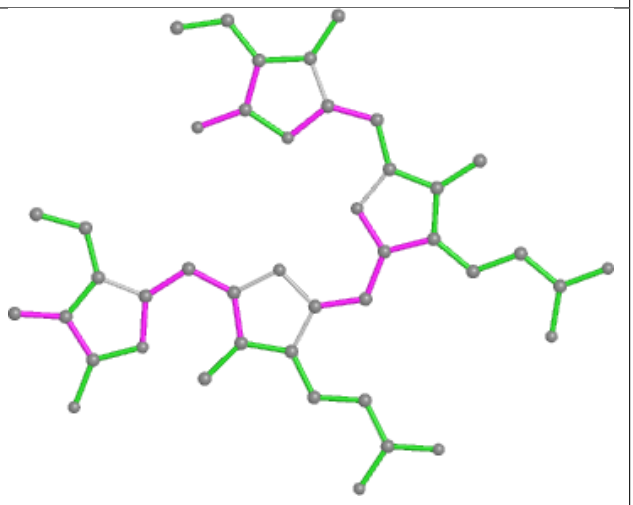

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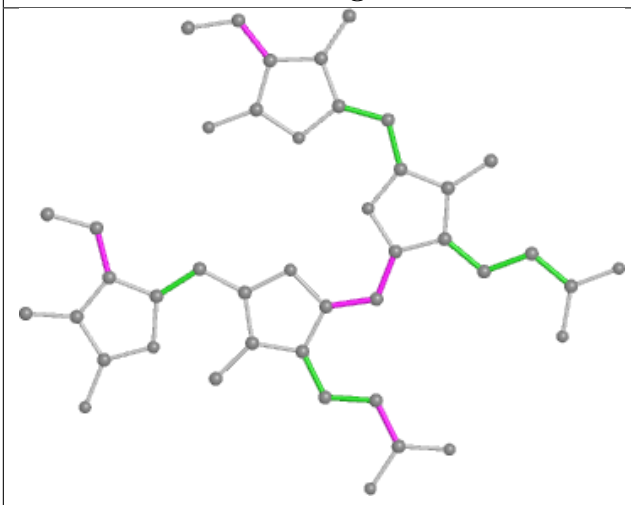

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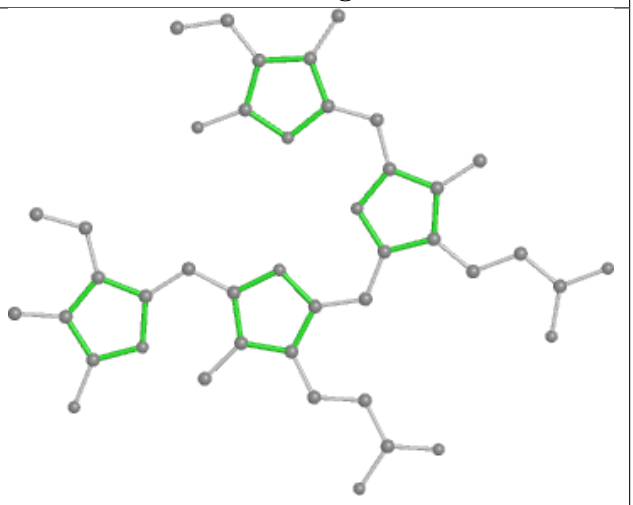
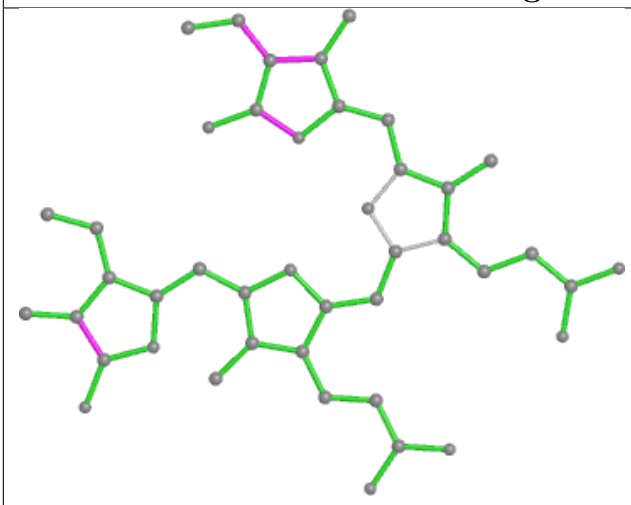


Rings

Ligand PEB j9 201



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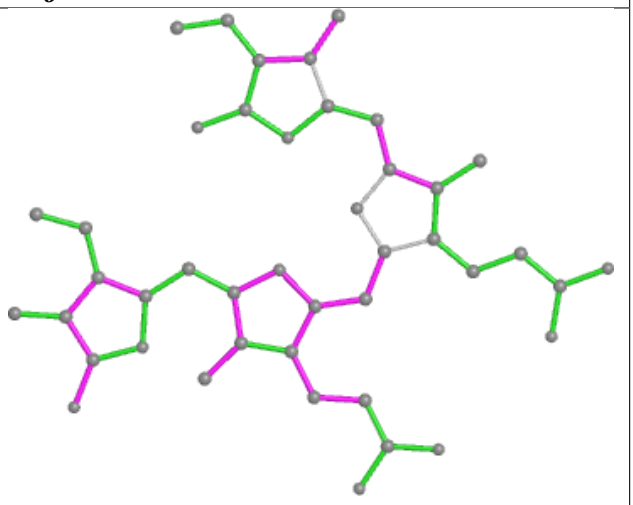
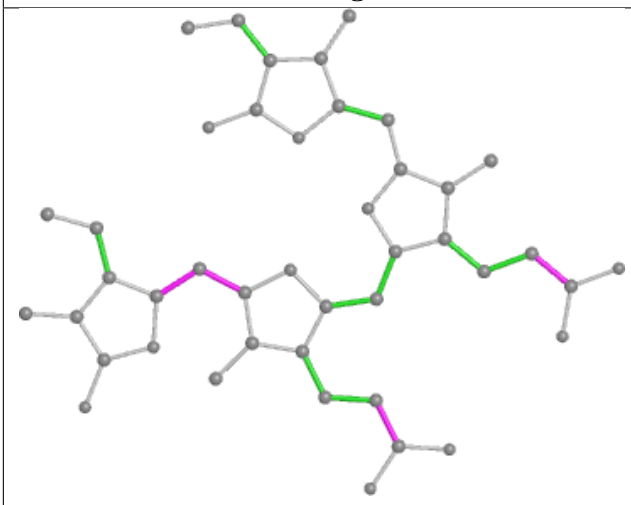


Bond angles



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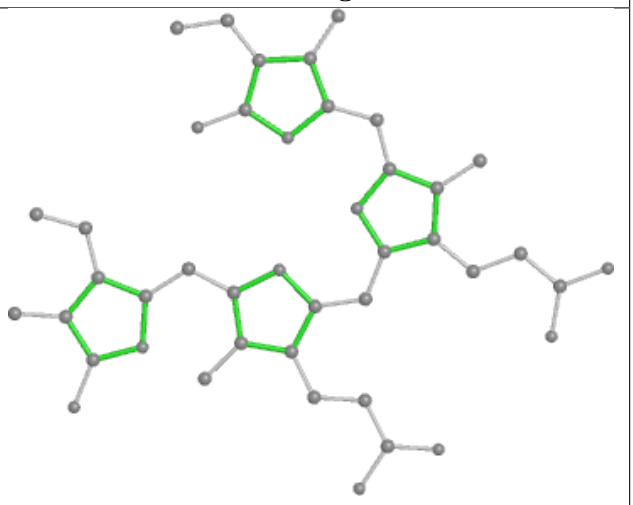
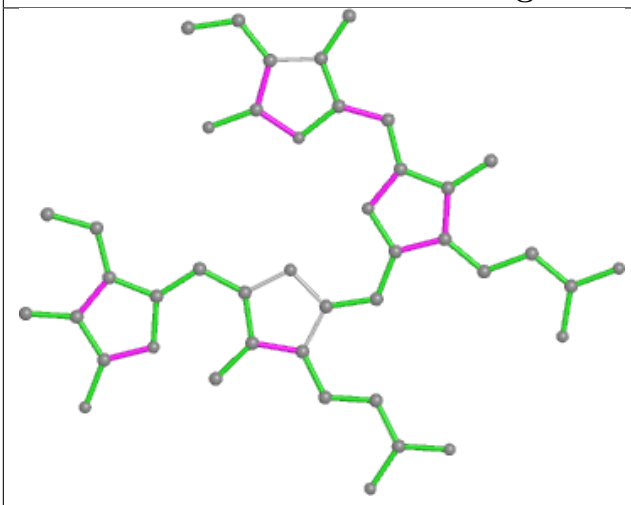


Rings

Ligand PUB cF 202



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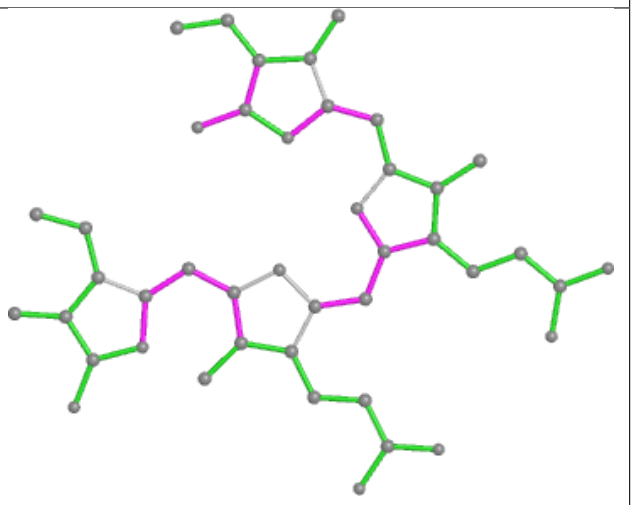
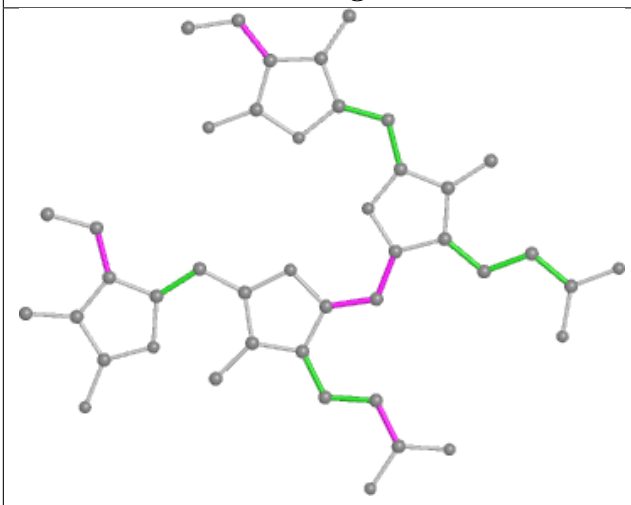


Bond angles



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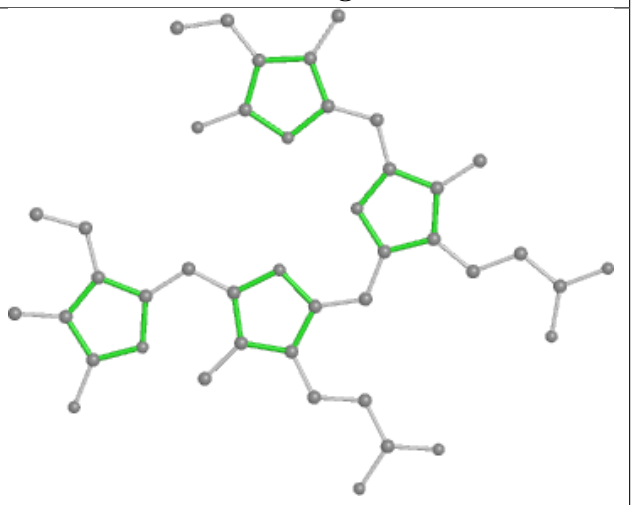
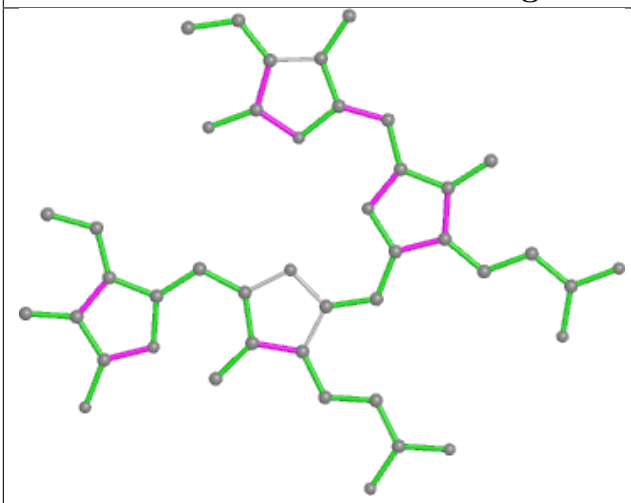


Rings

Ligand PUB ly 406



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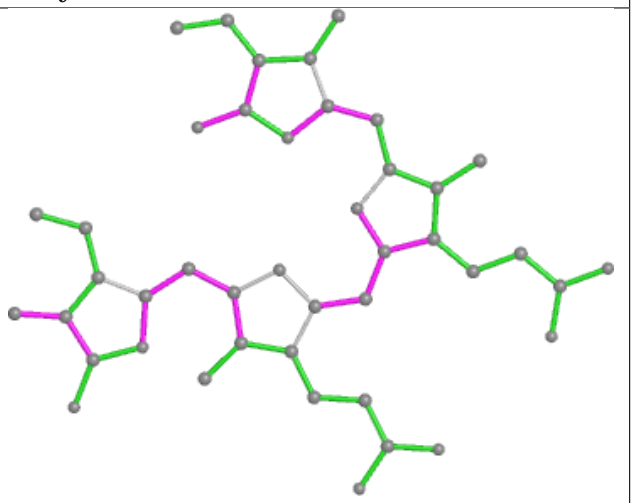

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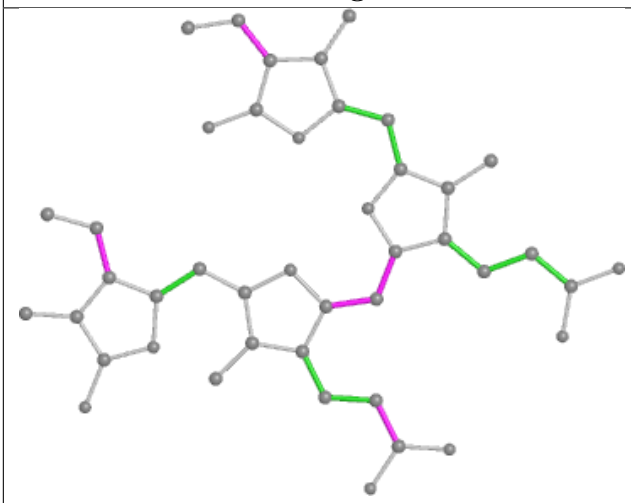

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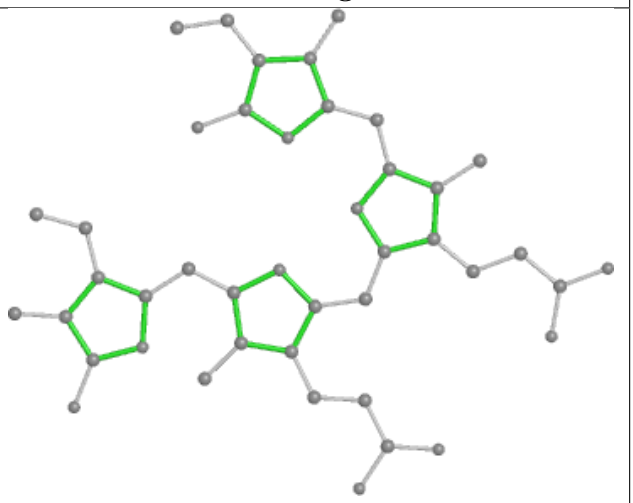
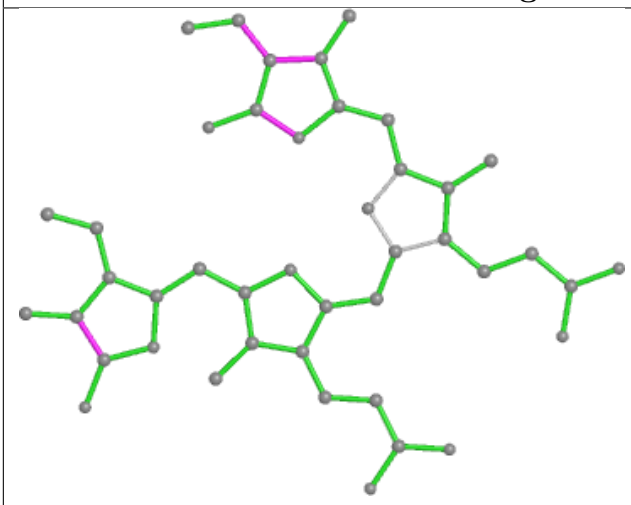


Rings

Ligand PEB dc 201



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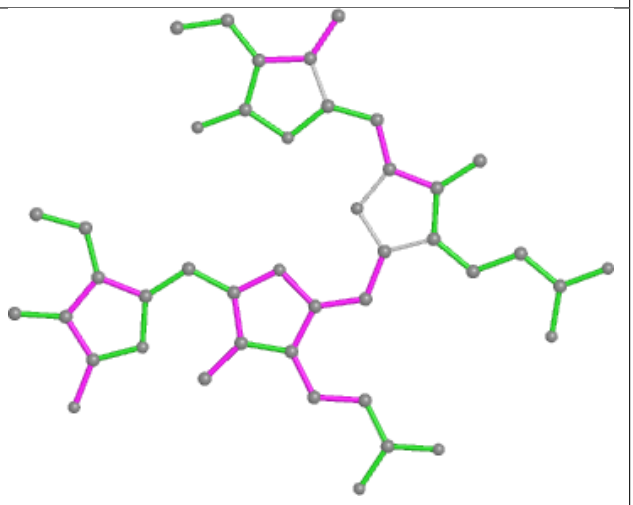

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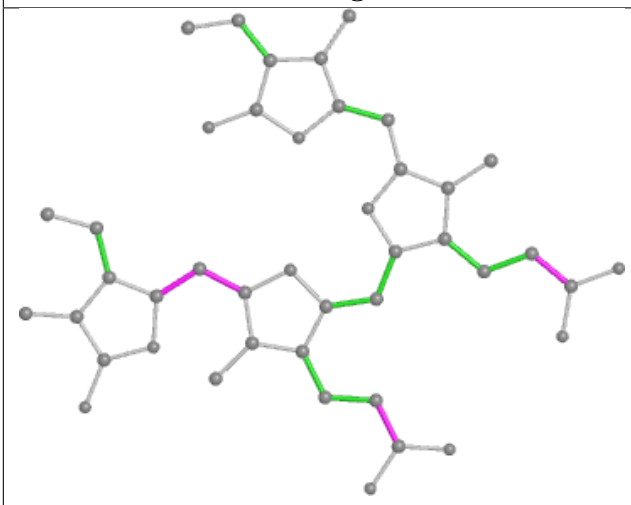

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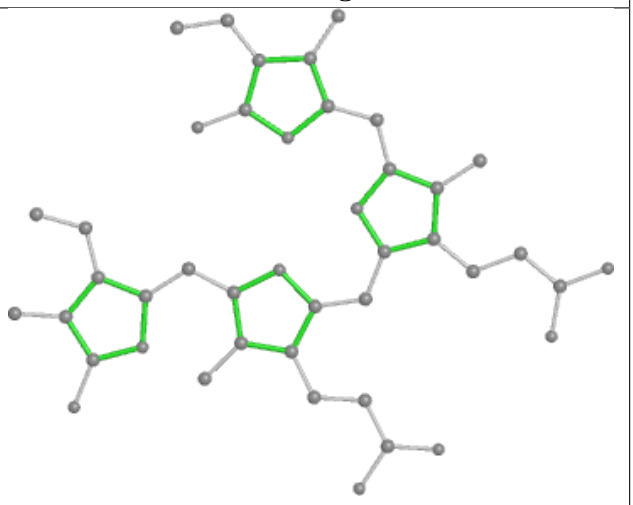
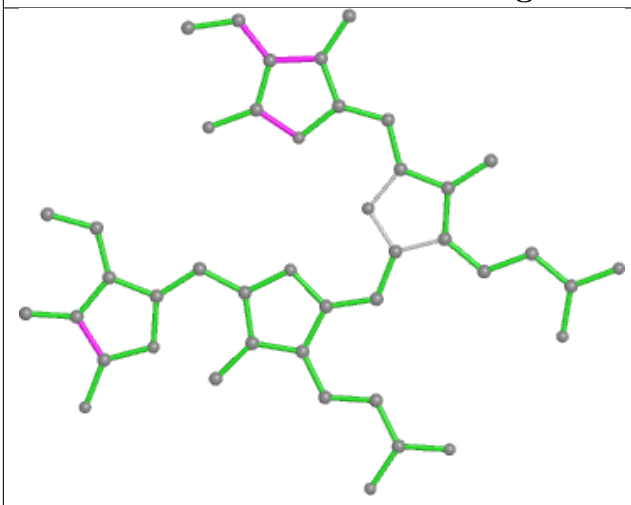


Rings

Ligand PEB eD 201



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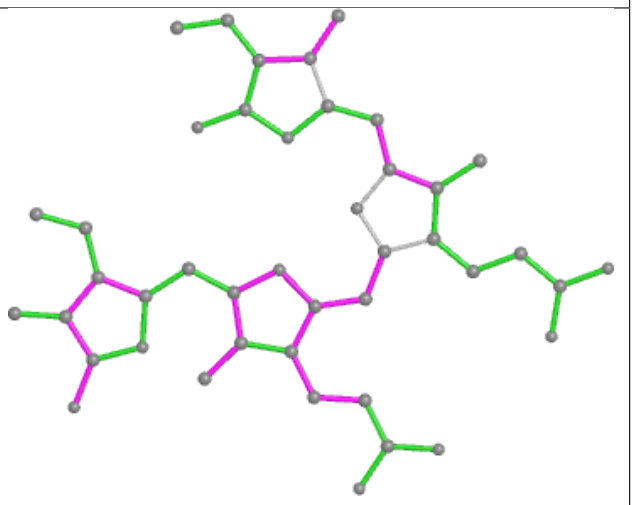

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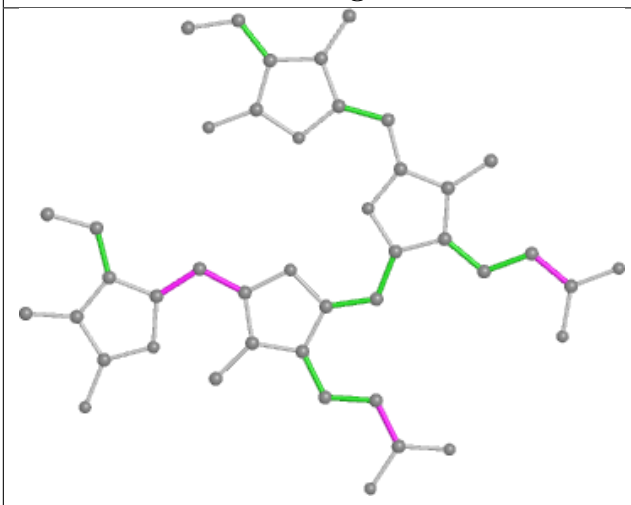

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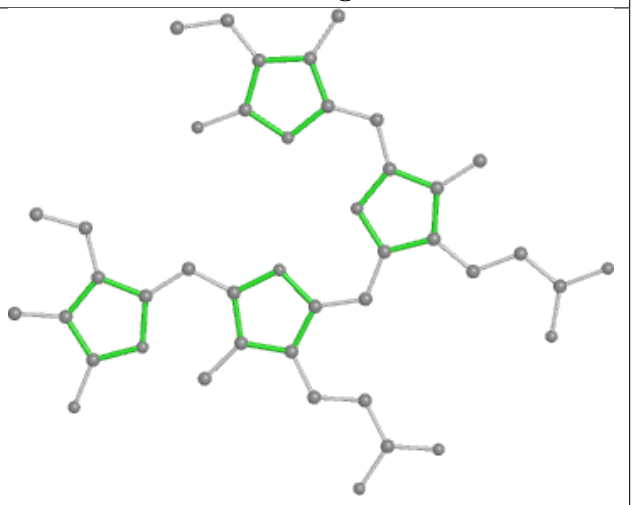
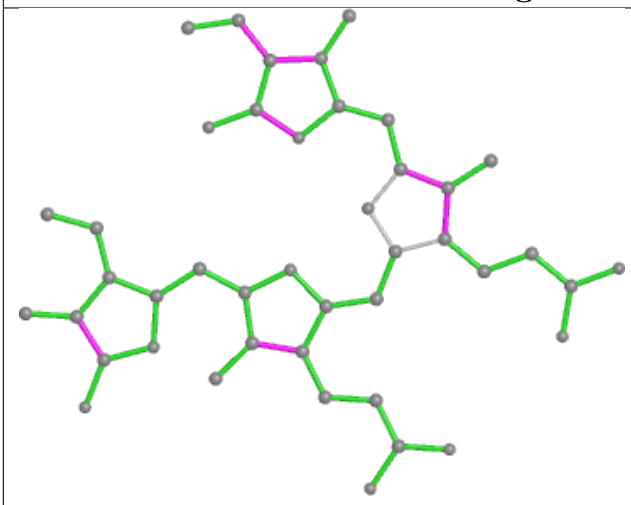


Rings

Ligand PEB bT 201



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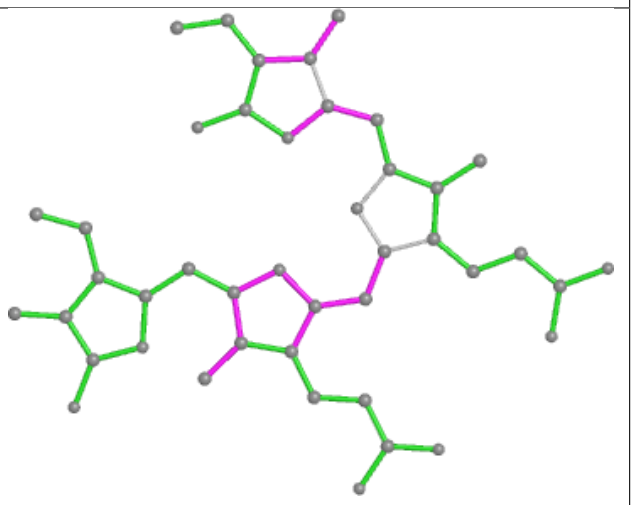
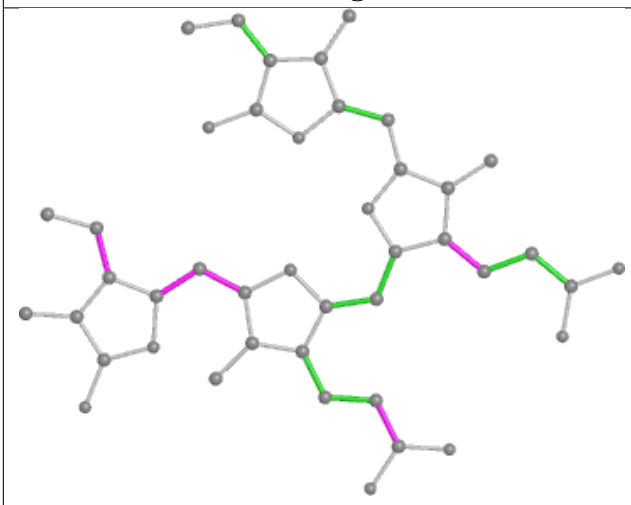


Bond angles



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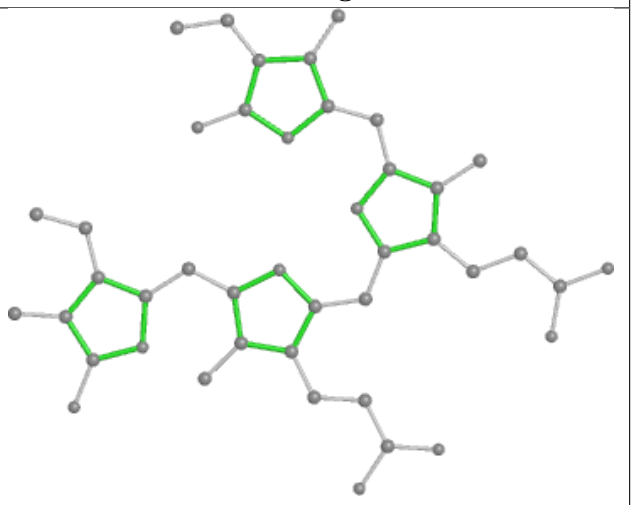
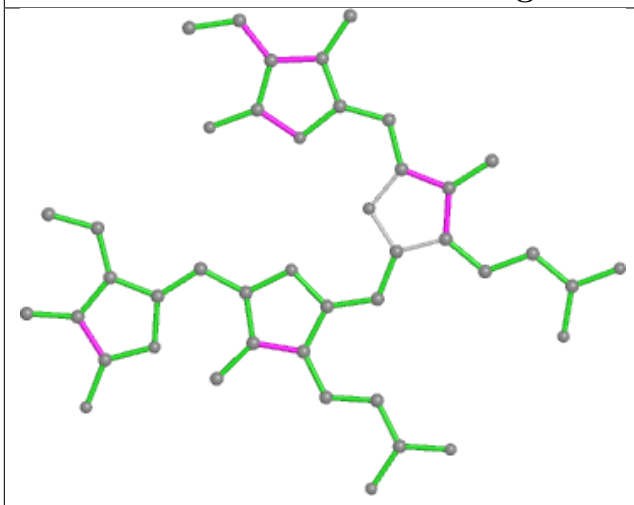


Rings

Ligand PEB hP 202



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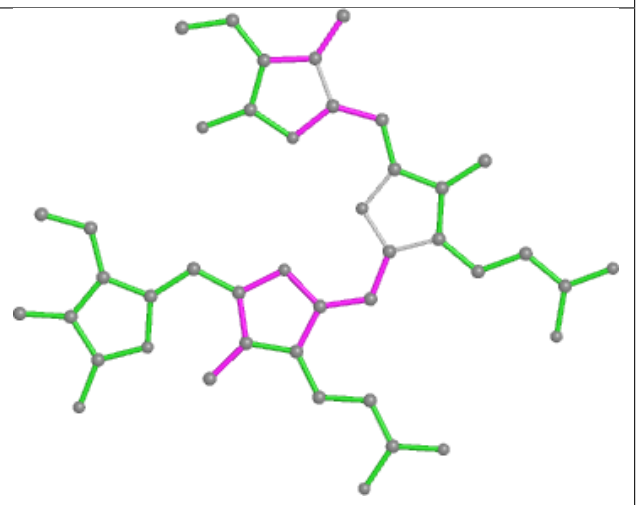

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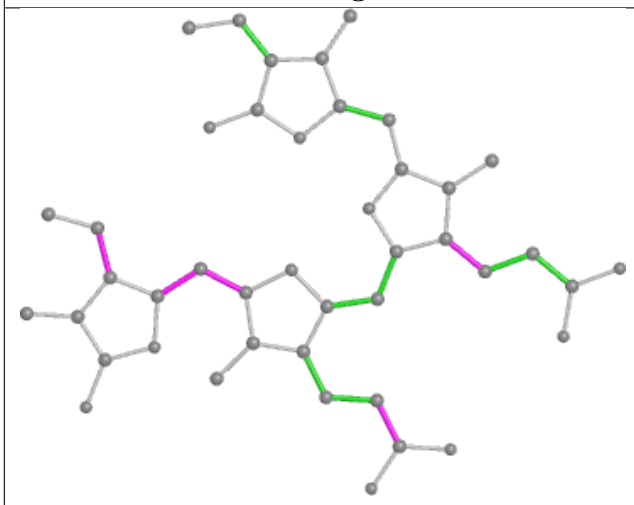

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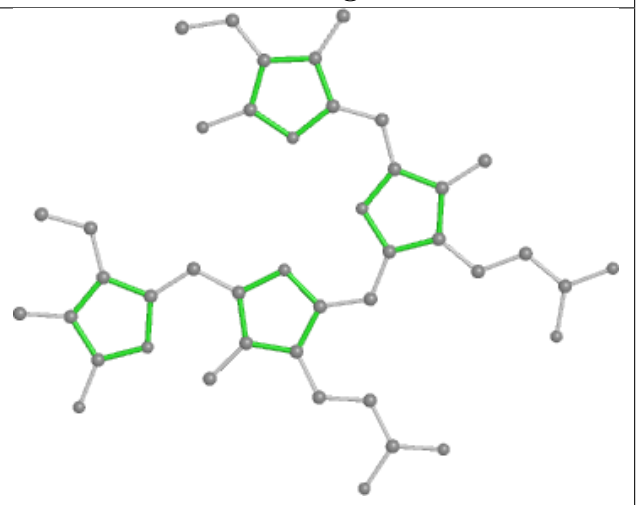
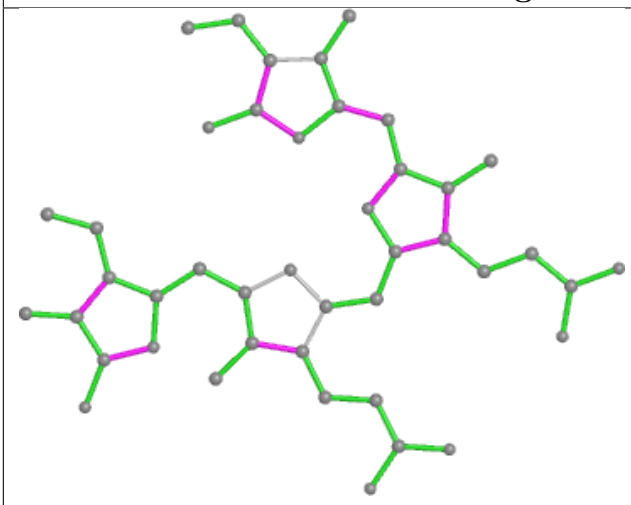


Rings

Ligand PUB eB 204



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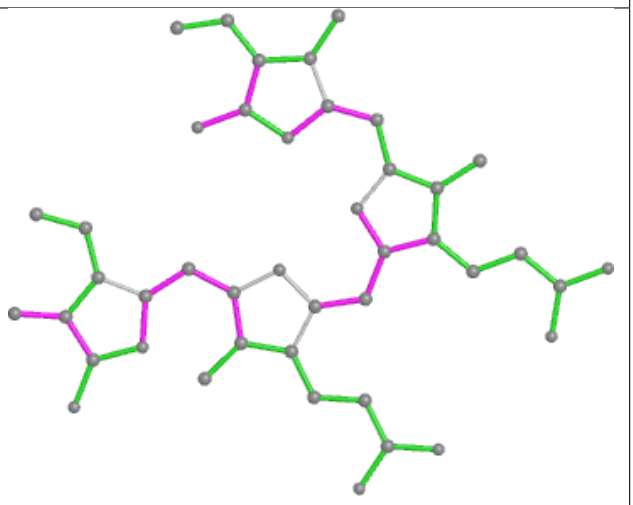

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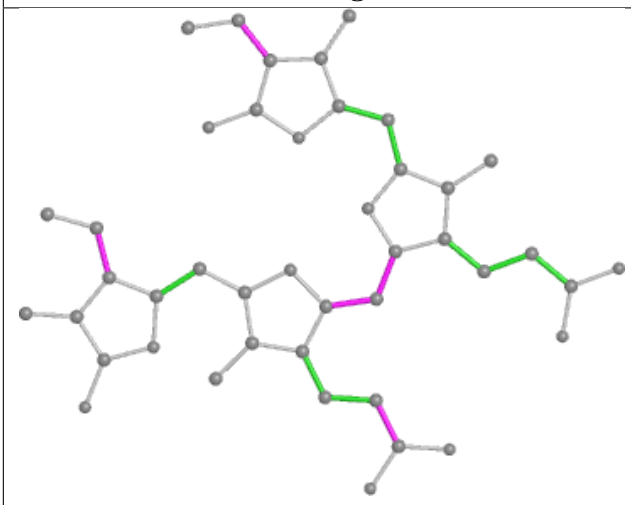

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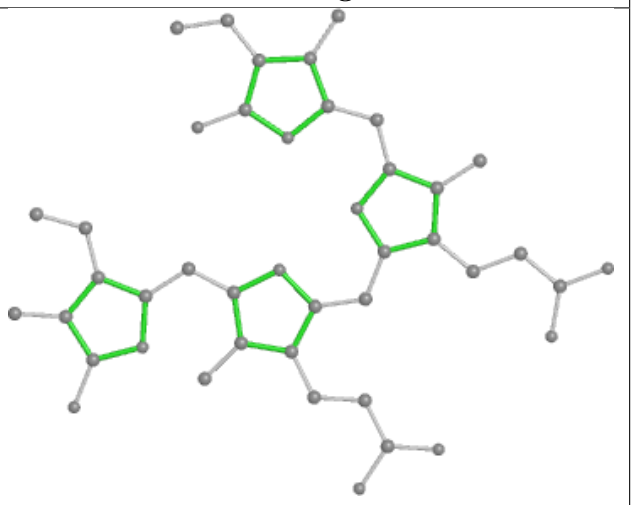
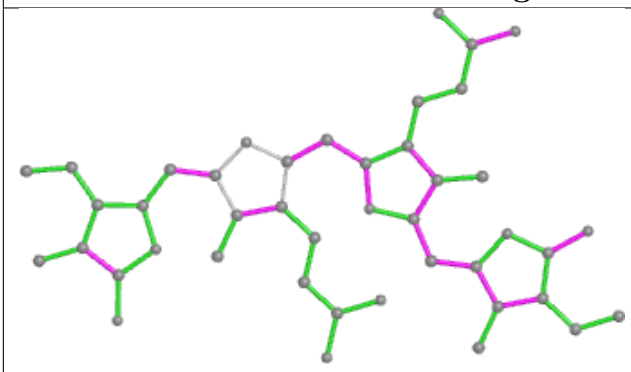


Rings

Ligand CYC w1 201



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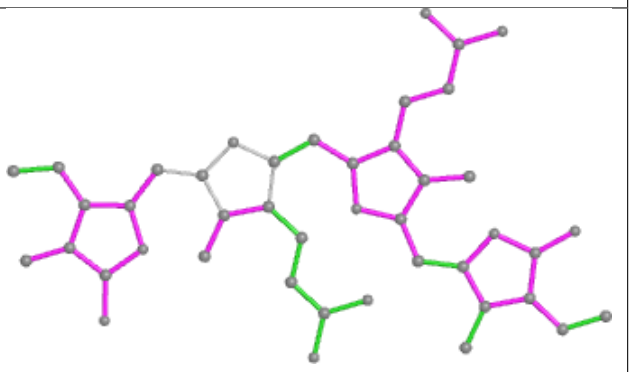

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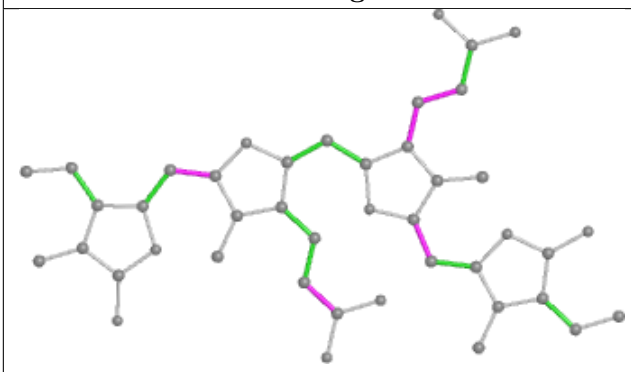

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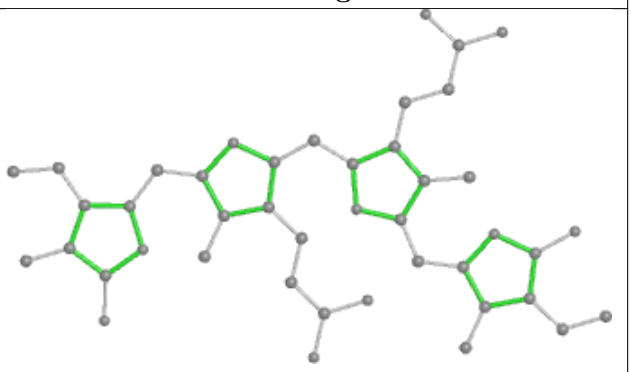
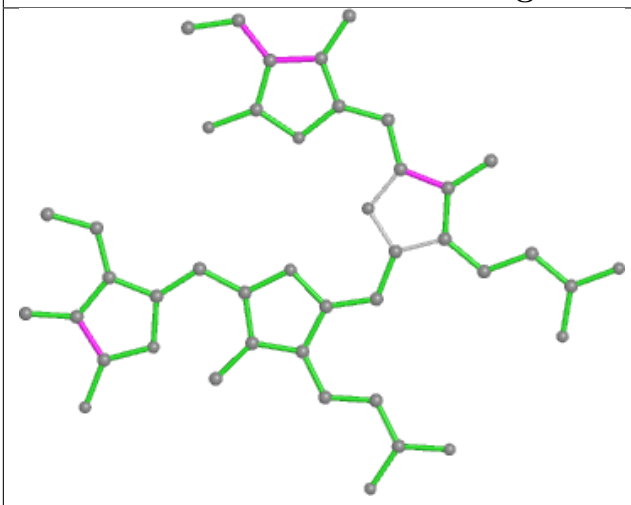


Rings

Ligand PEB hF 202



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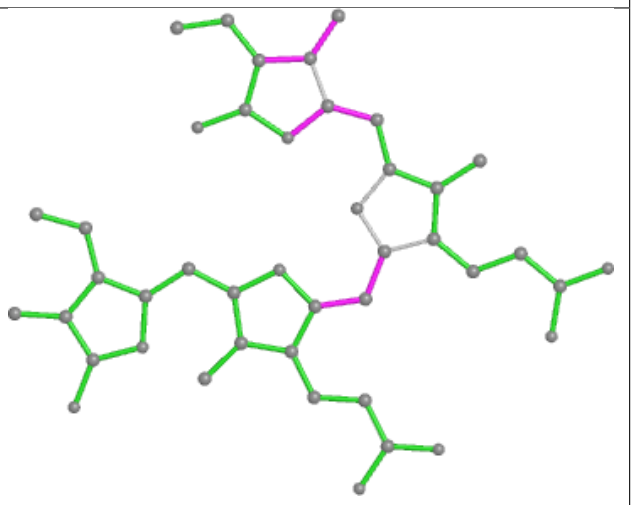
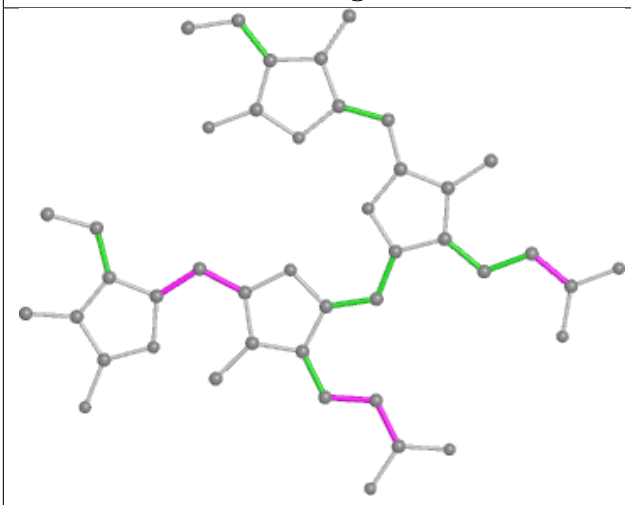


Bond angles



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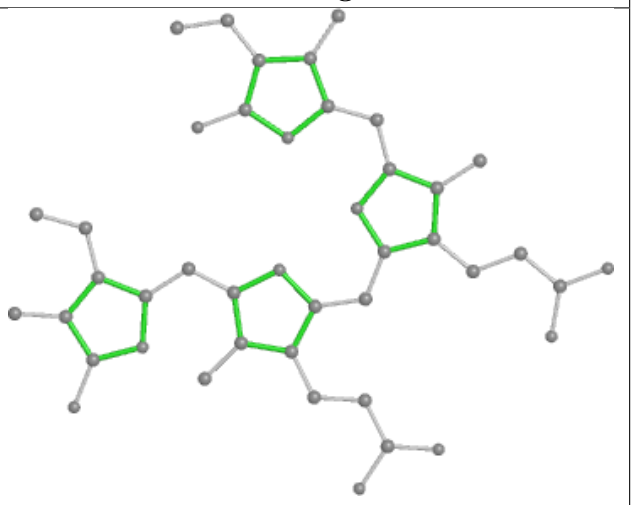
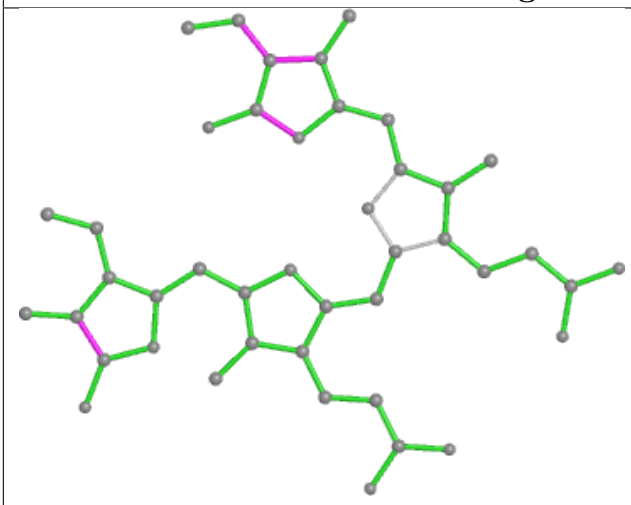


Rings

Ligand PEB dq 202



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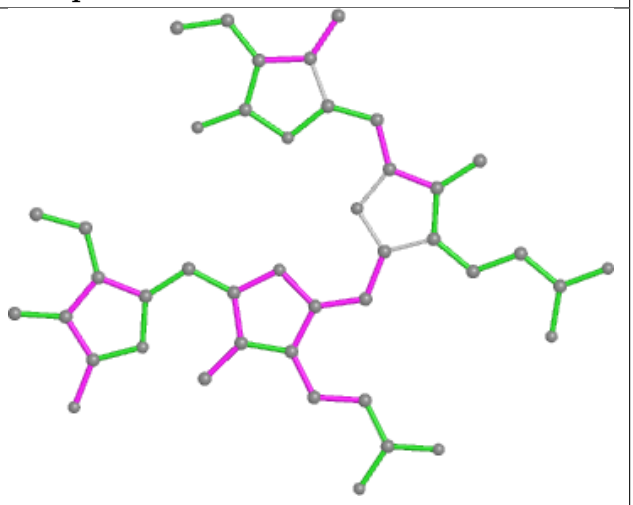
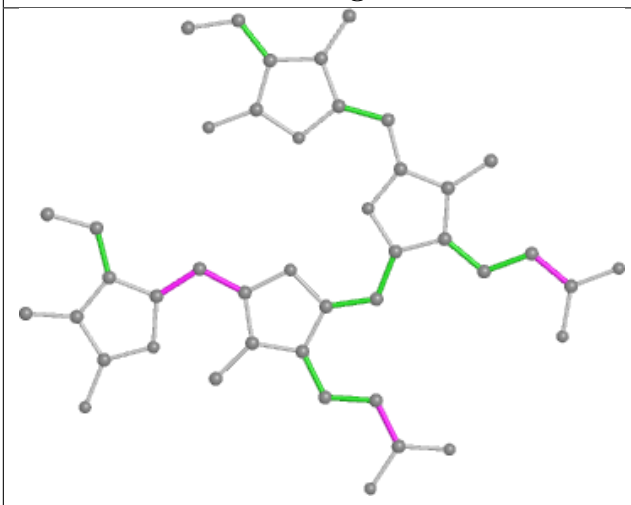
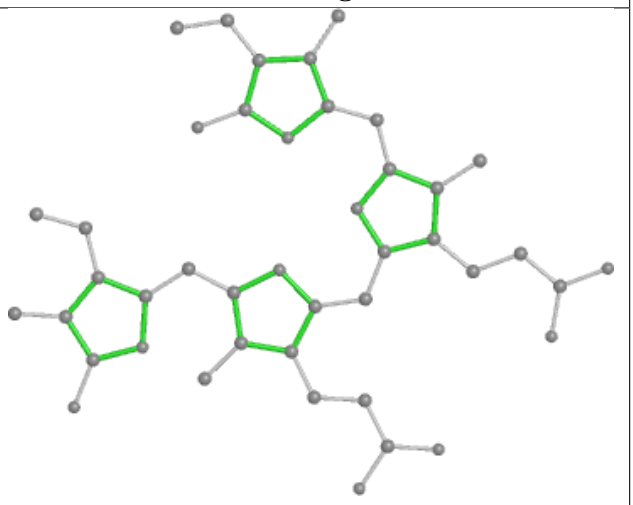


Bond angles

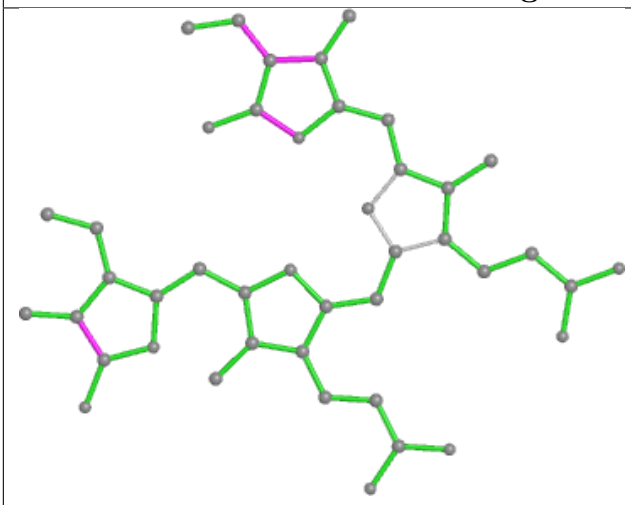


Torsions



Rings

Ligand PEB eo 201



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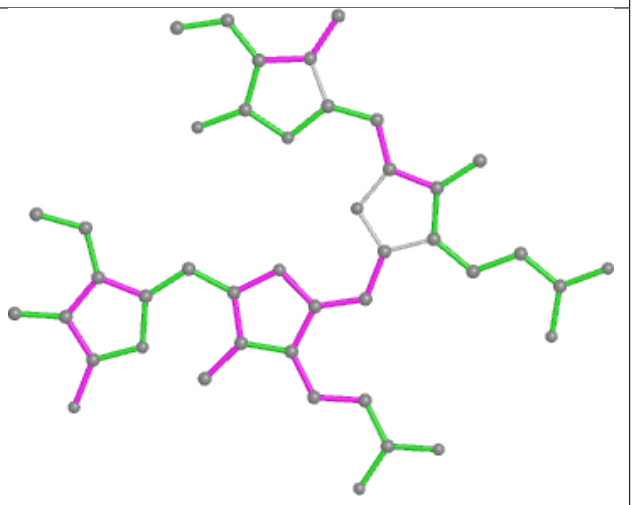
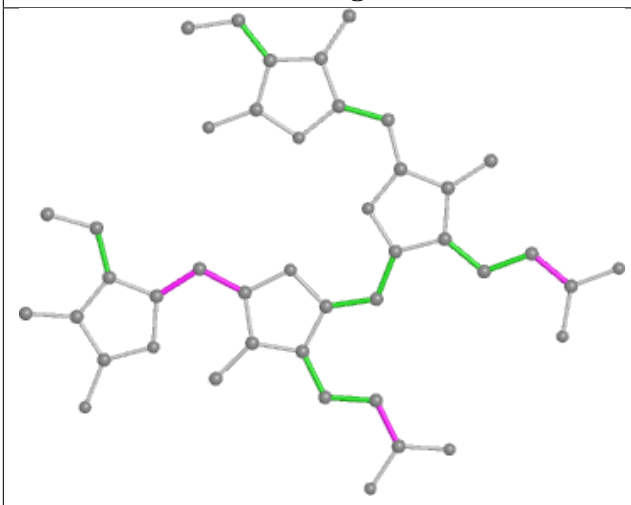


Bond angles



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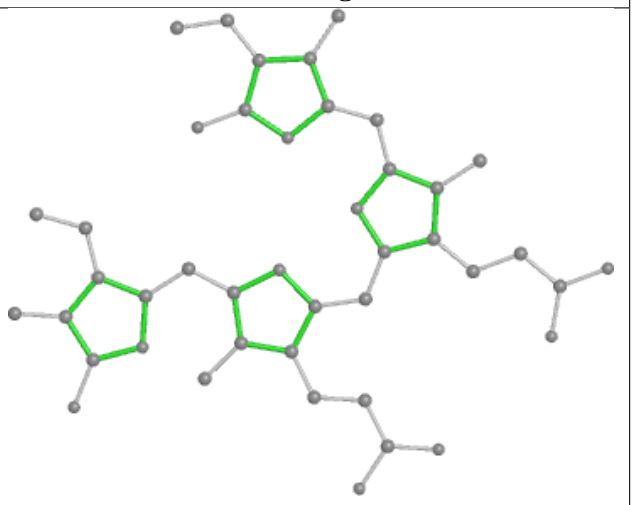
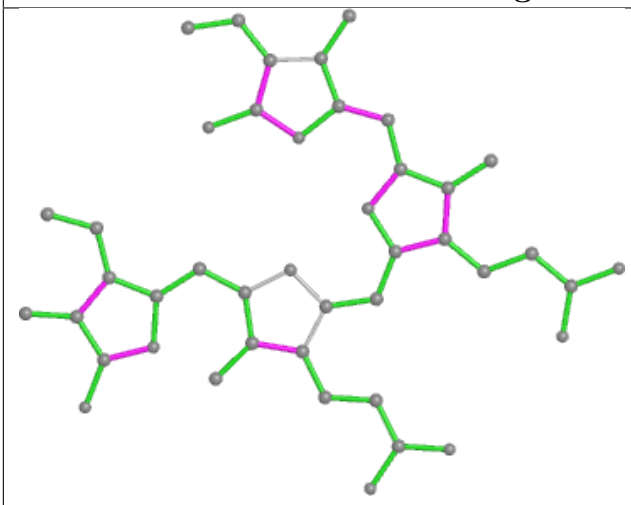


Rings

Ligand PUB B3 203



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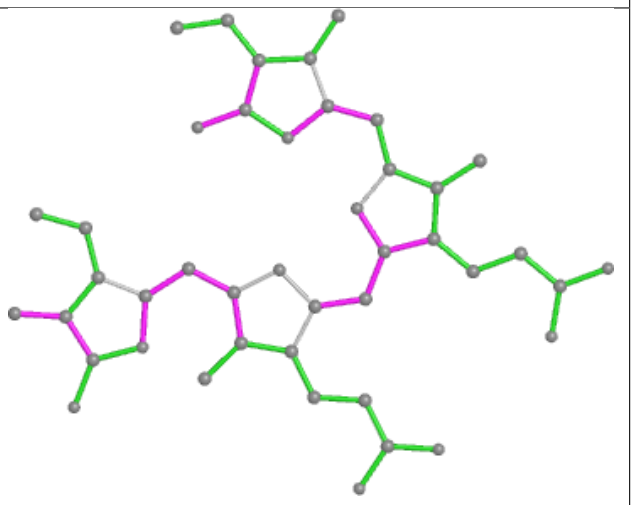

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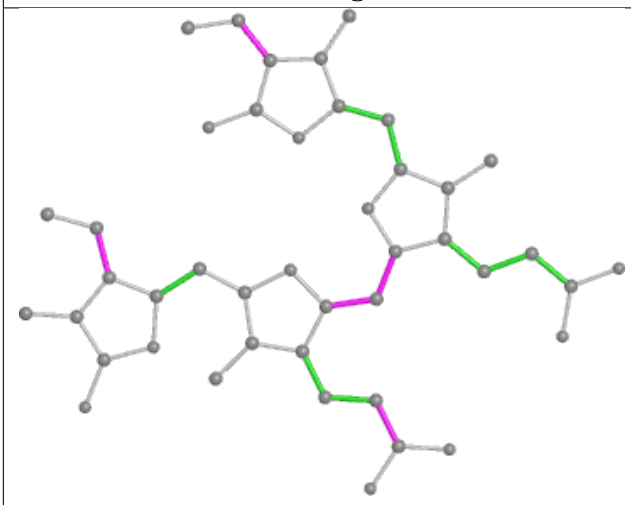

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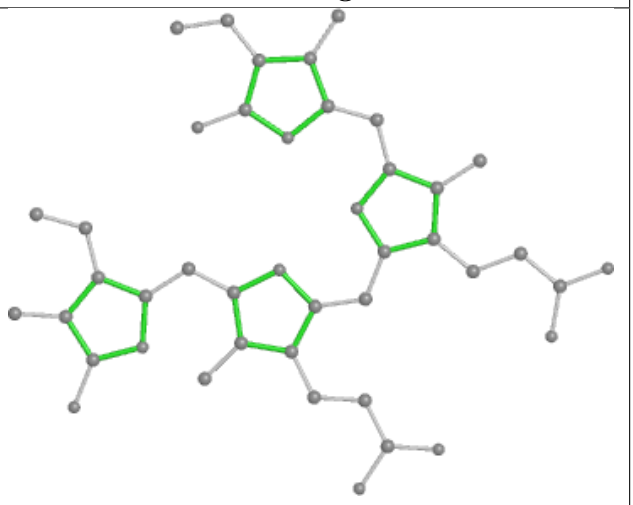
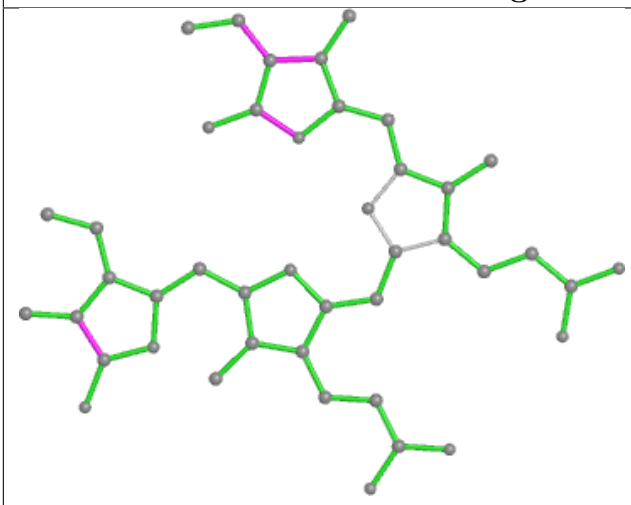


Rings

Ligand PEB aW 301



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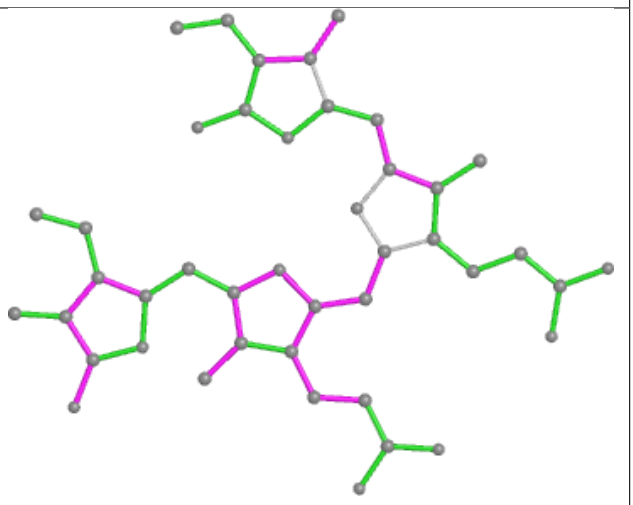

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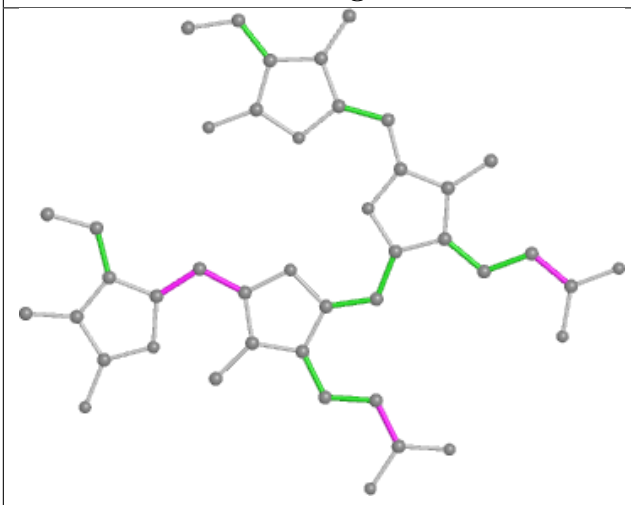

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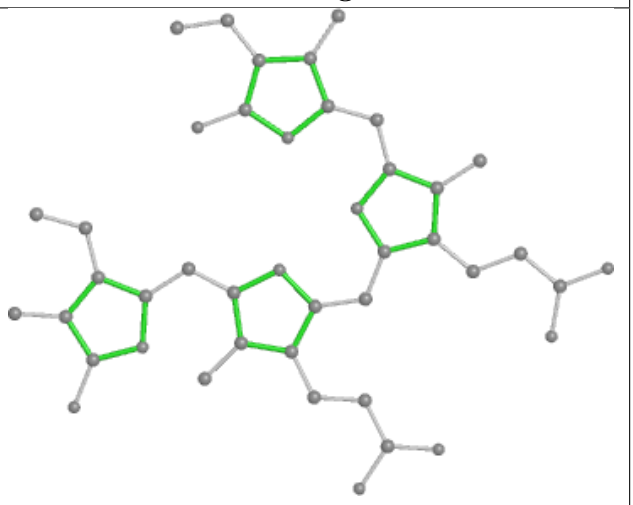
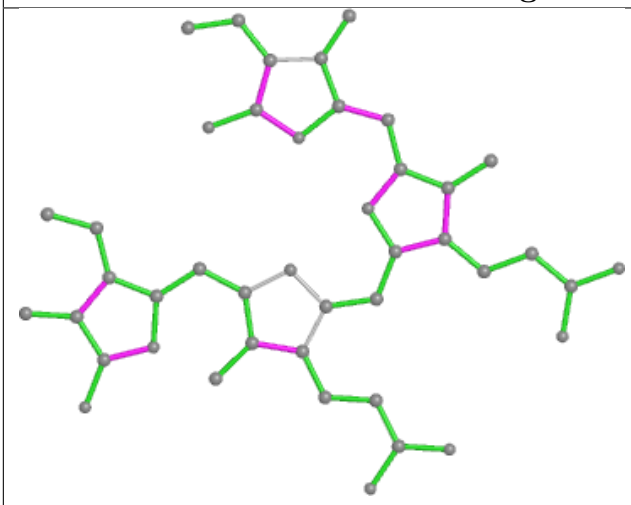


Rings

Ligand PUB t9 203



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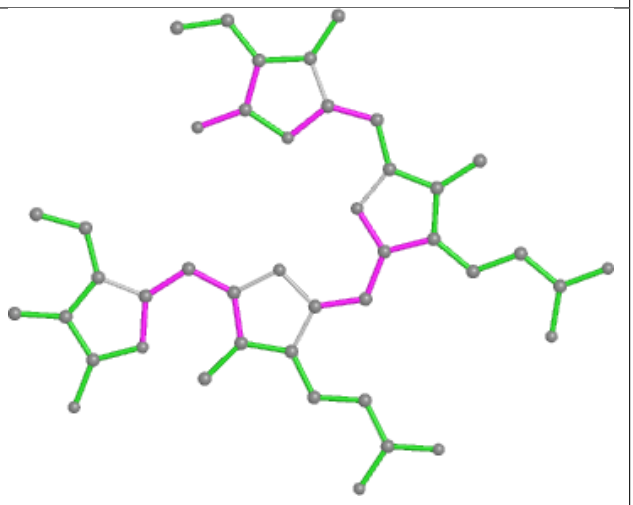

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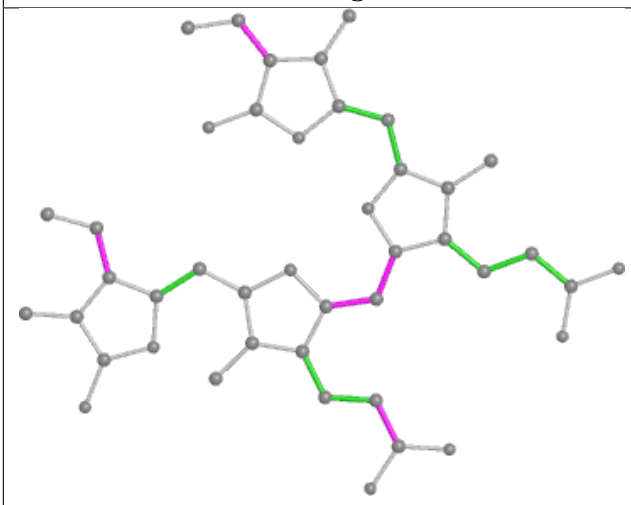

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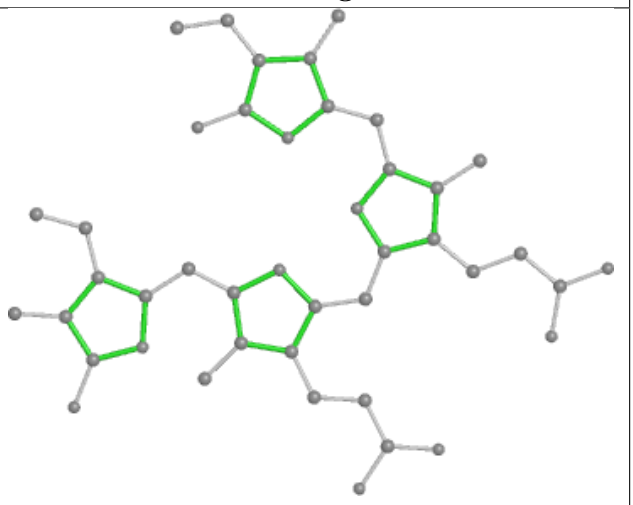
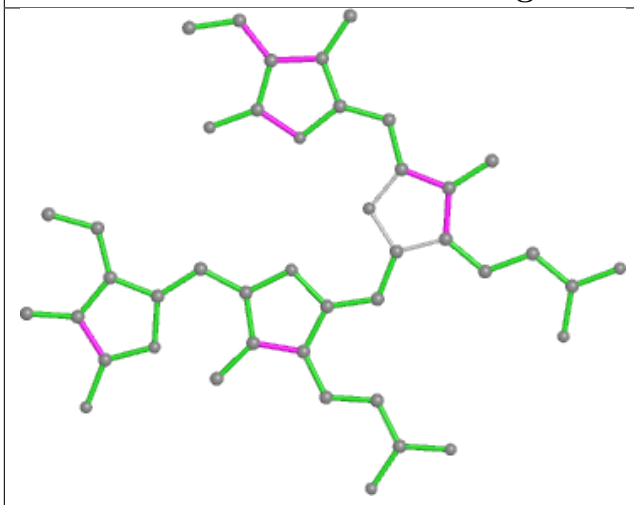


Rings

Ligand PEB R5 202



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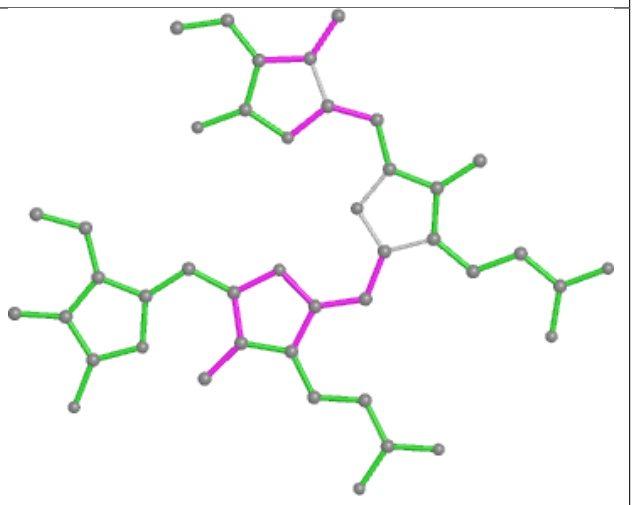

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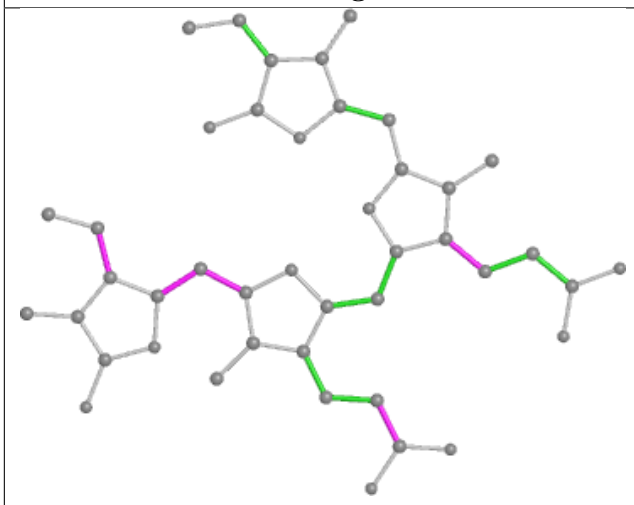

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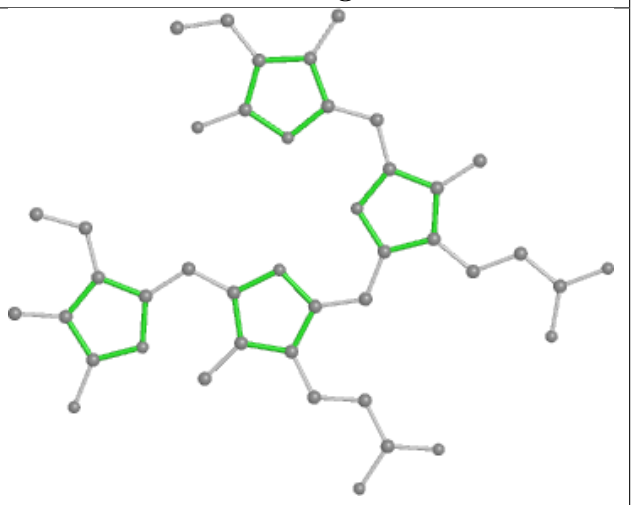
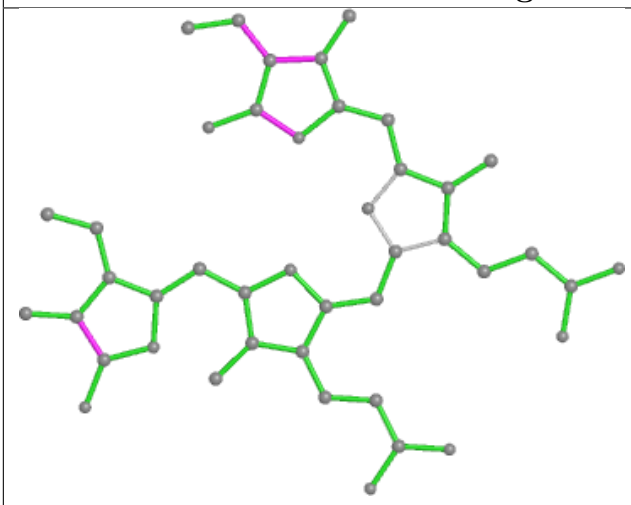


Rings

Ligand PEB eO 201



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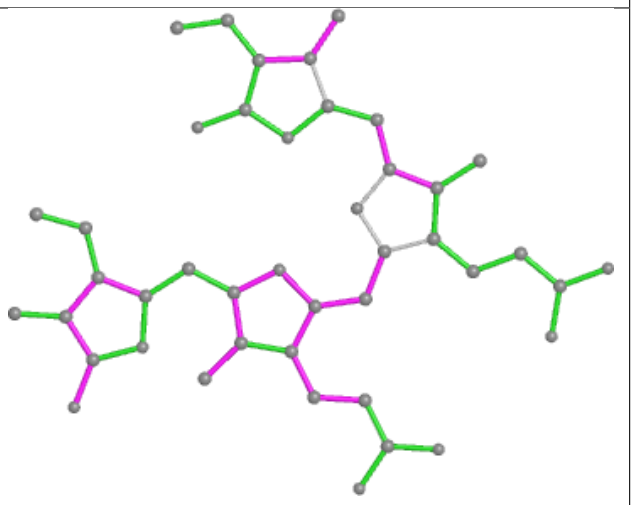

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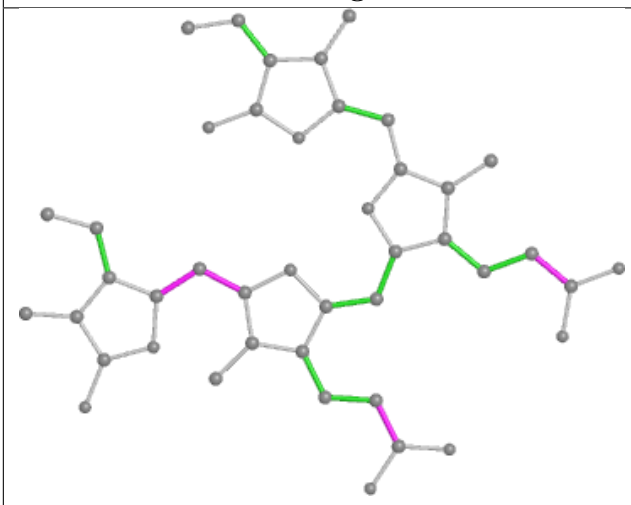

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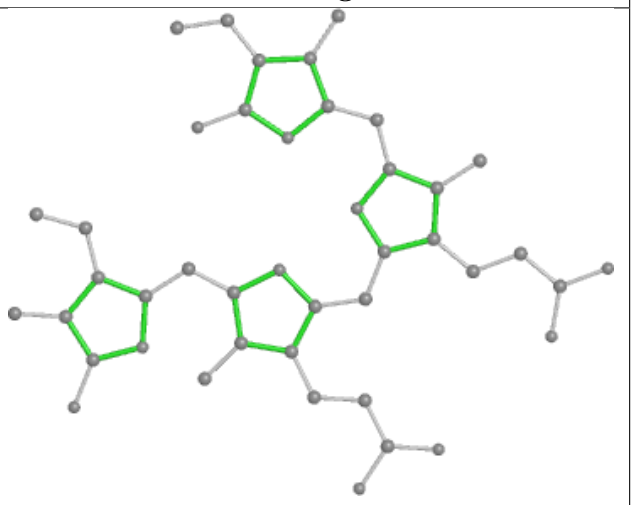
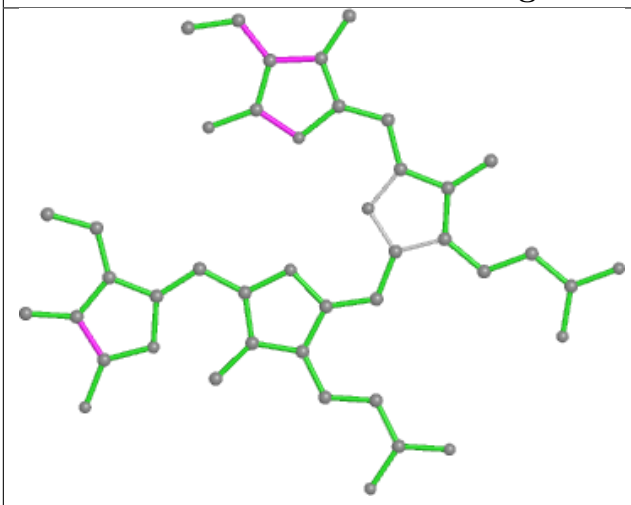


Rings

Ligand PEB b3 501



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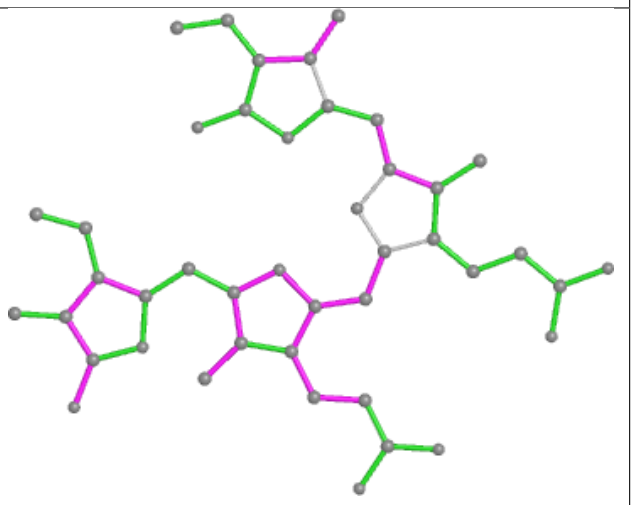

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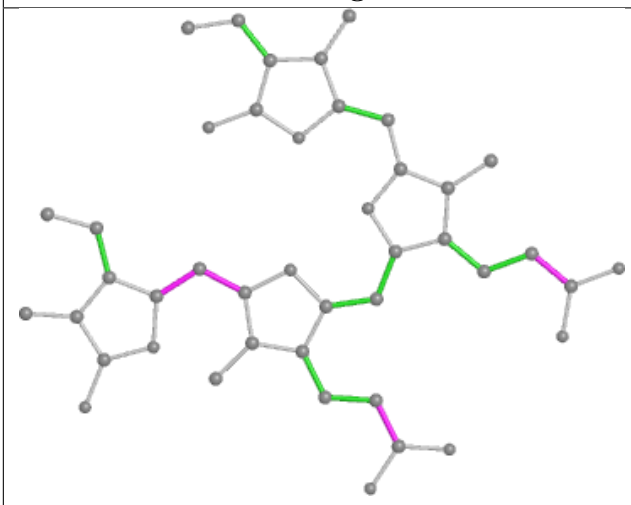

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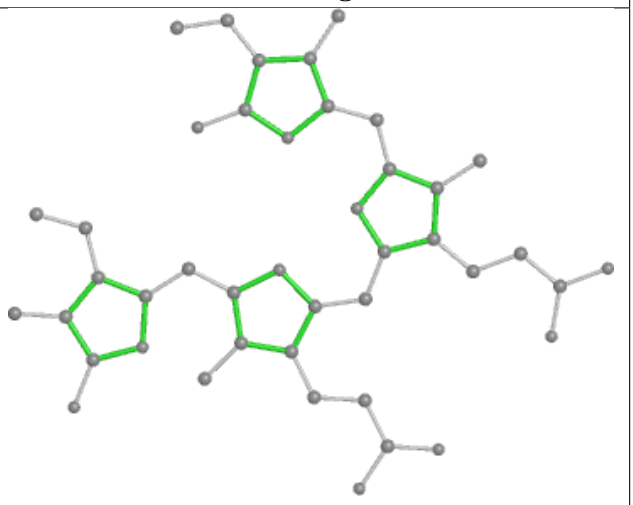
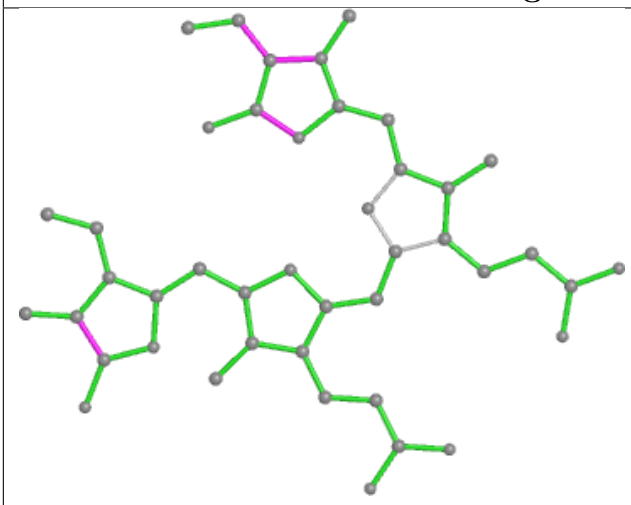


Rings

Ligand PEB l9 201



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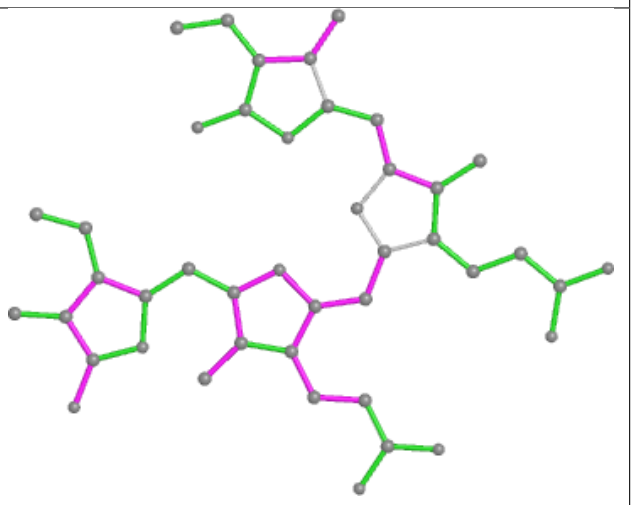

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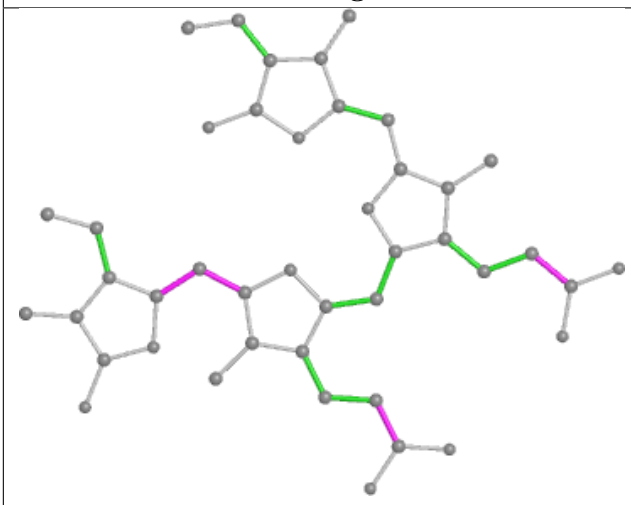

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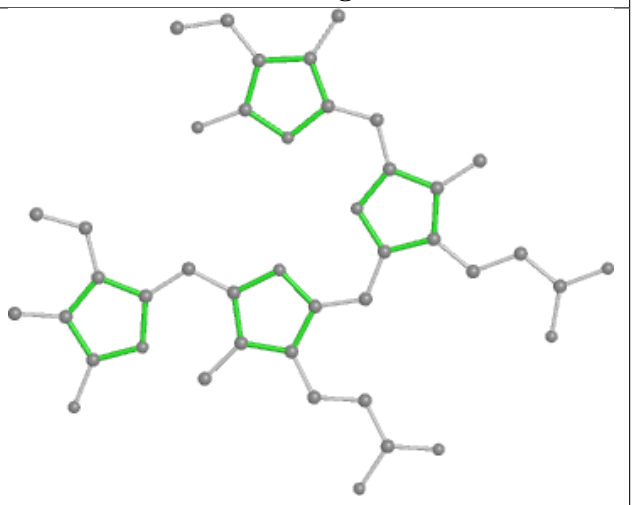
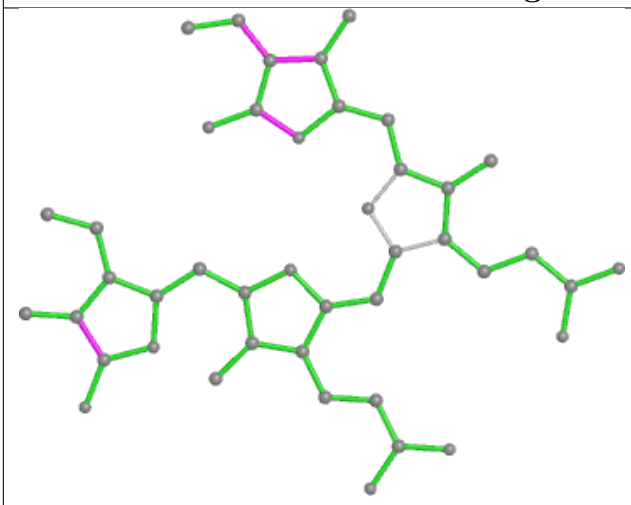


Rings

Ligand PEB l7 201



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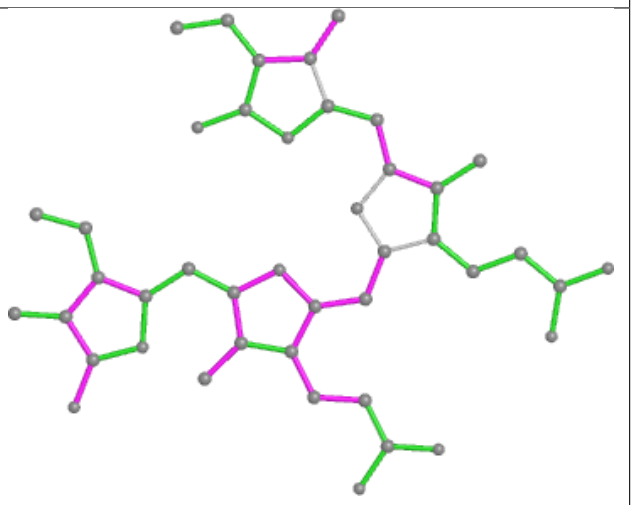

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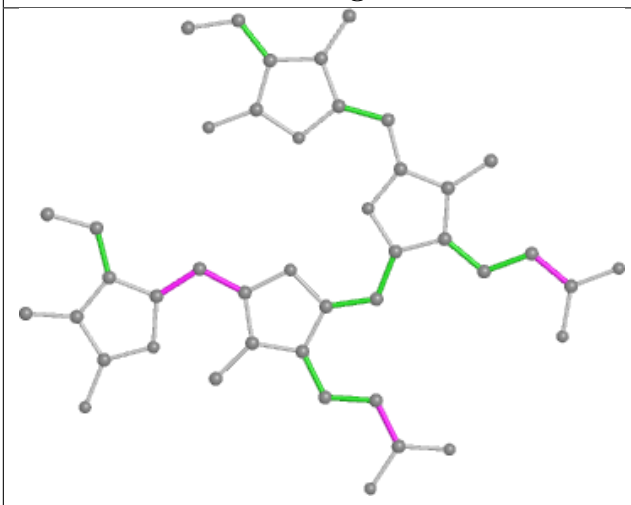

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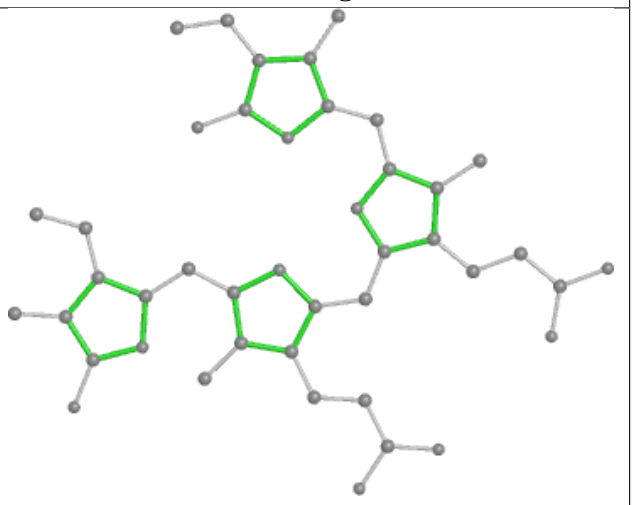
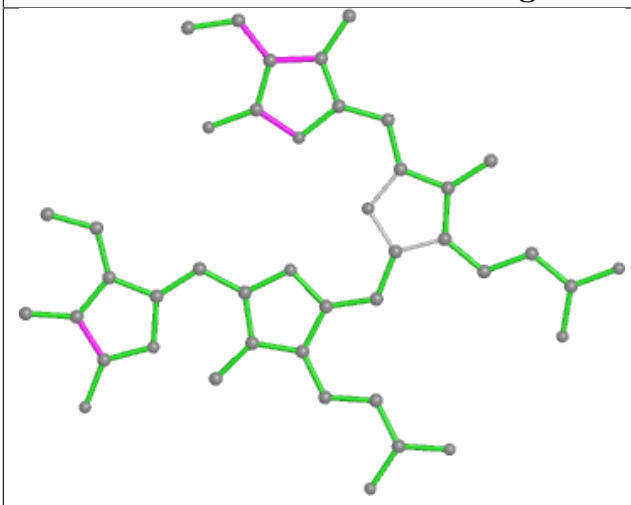


Rings

Ligand PEB b6 201



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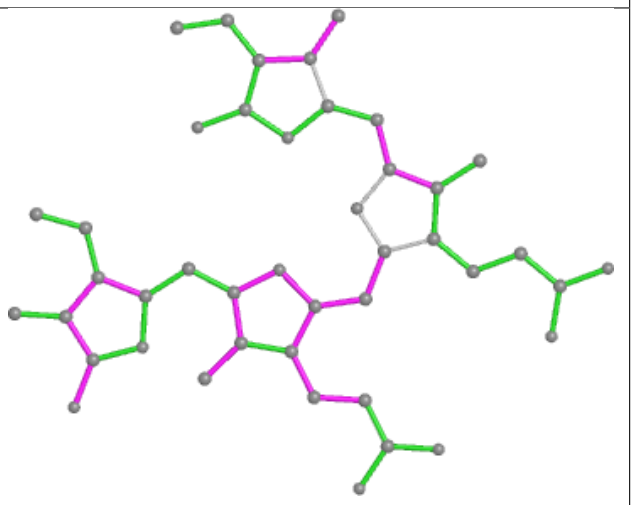

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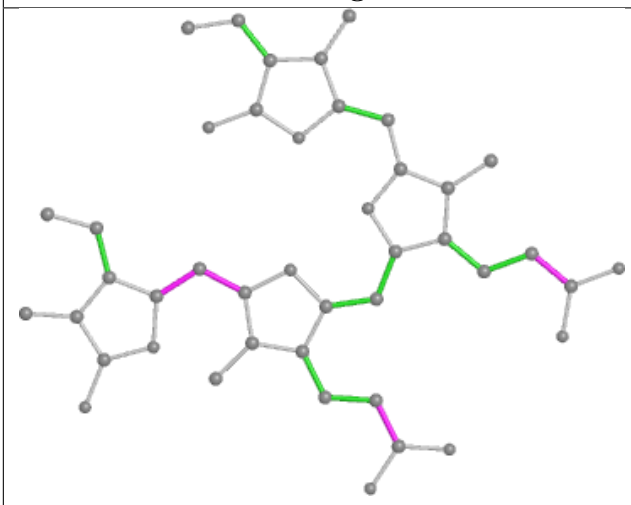

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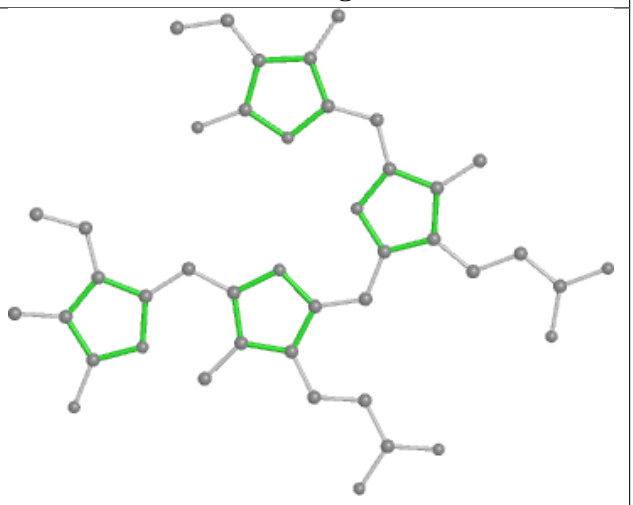
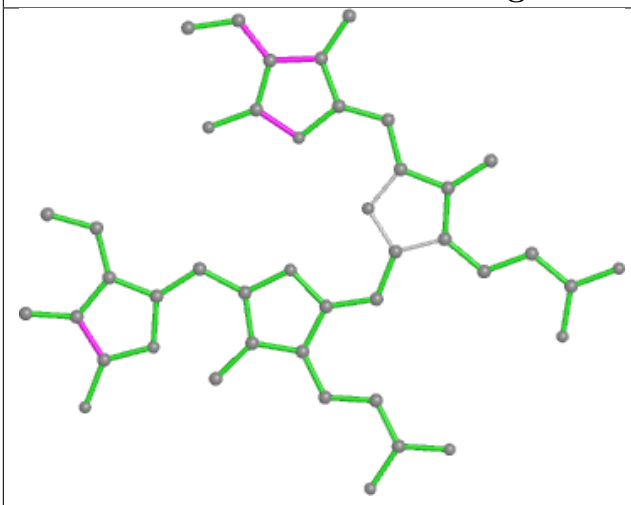


Rings

Ligand PEB cC 1001



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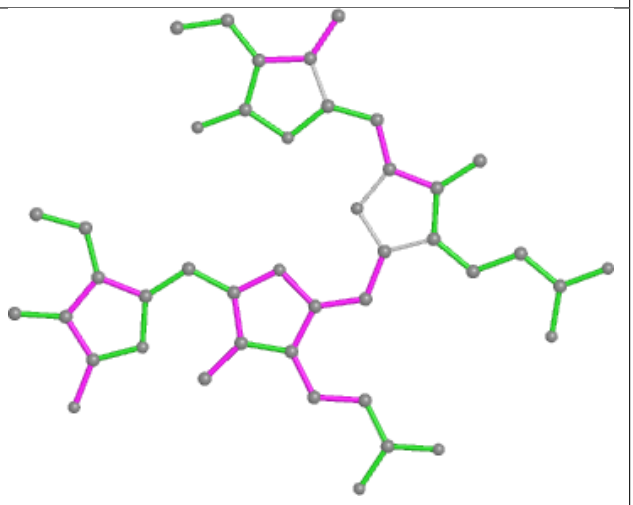

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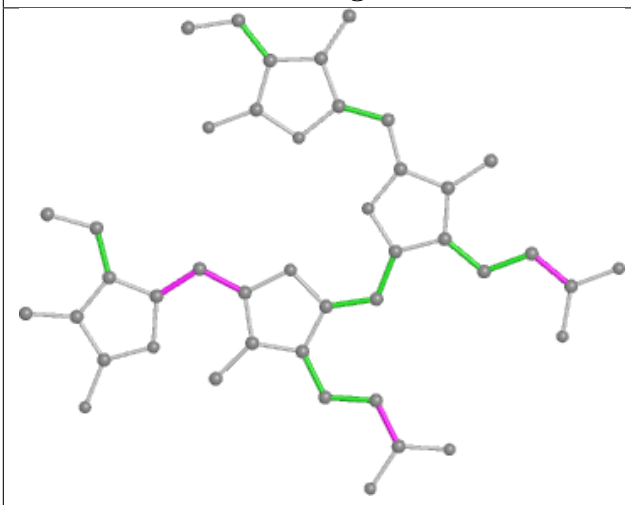

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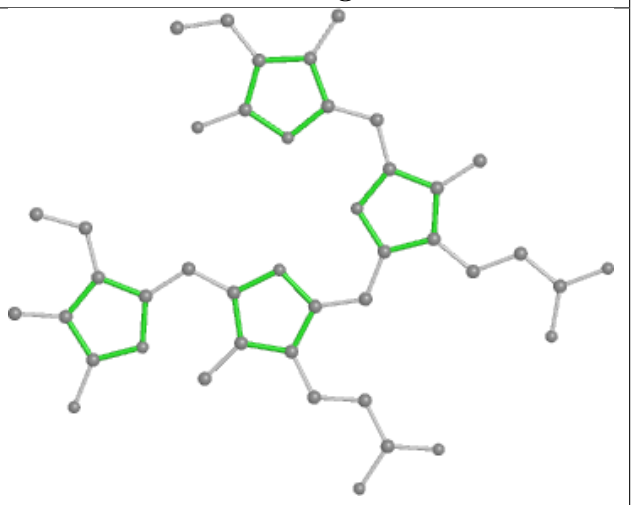
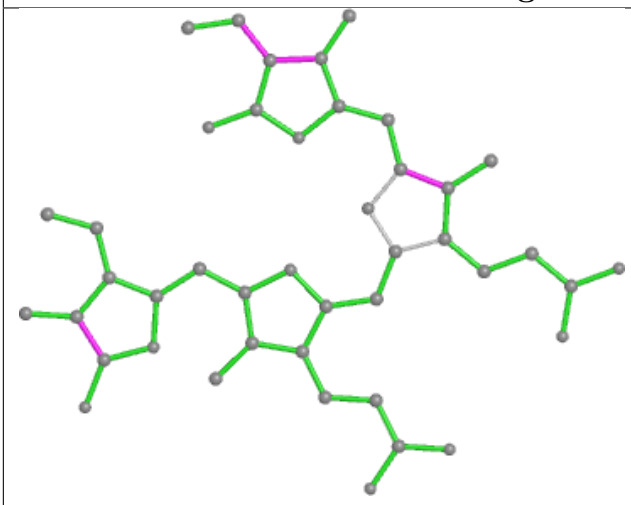


Rings

Ligand PEB Z5 302



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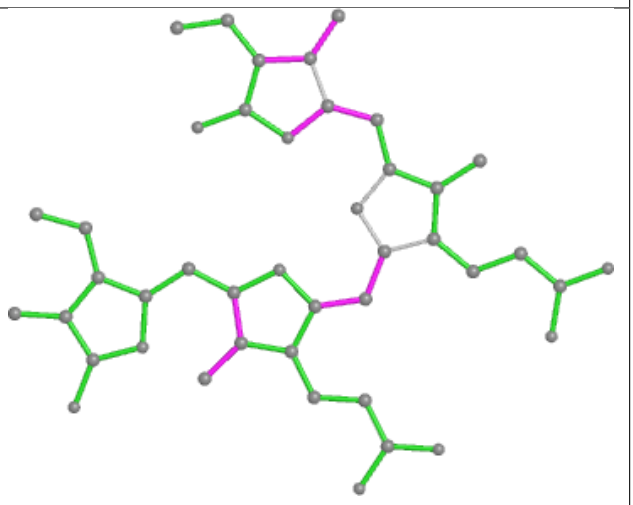

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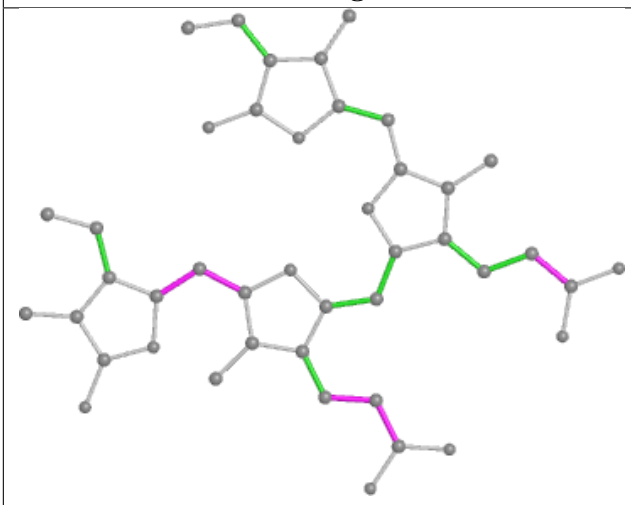

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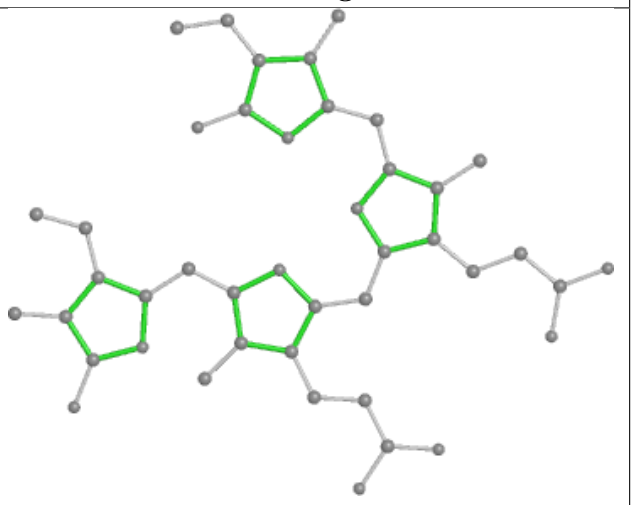
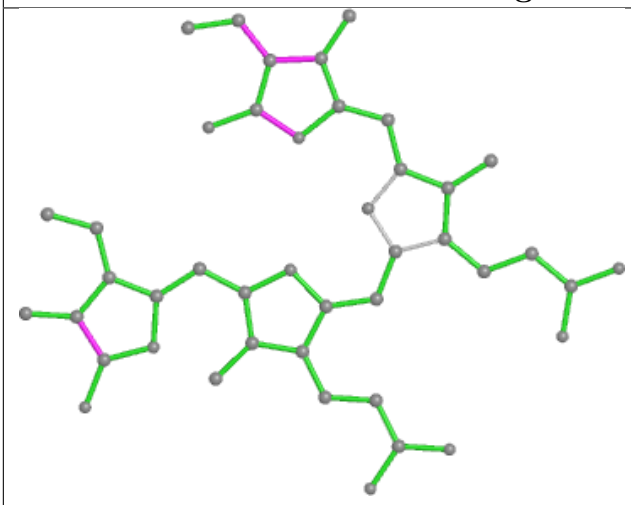


Rings

Ligand PEB D3 201



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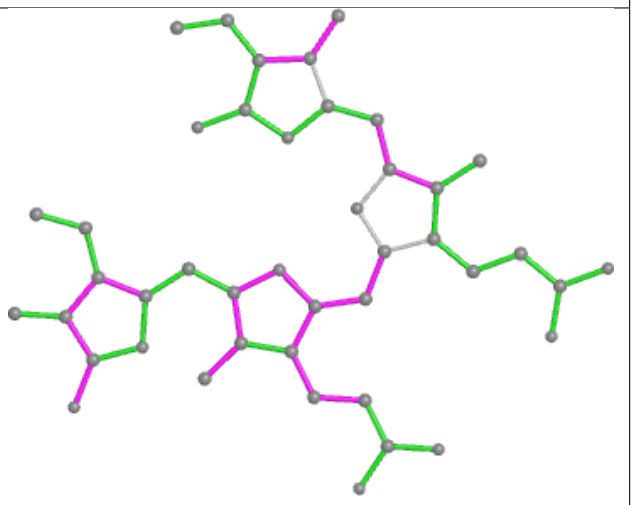

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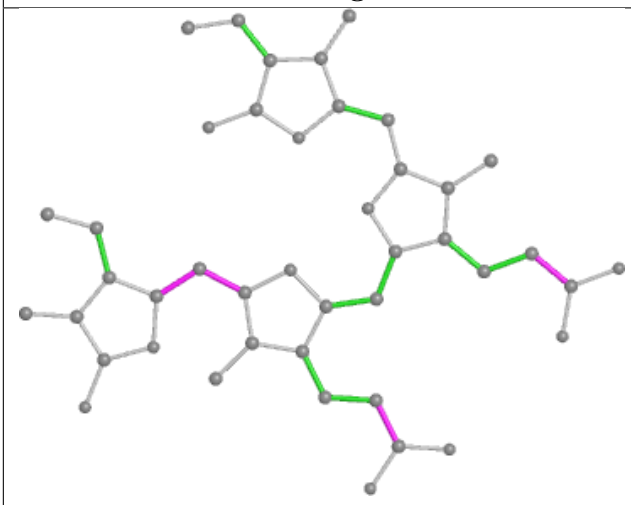

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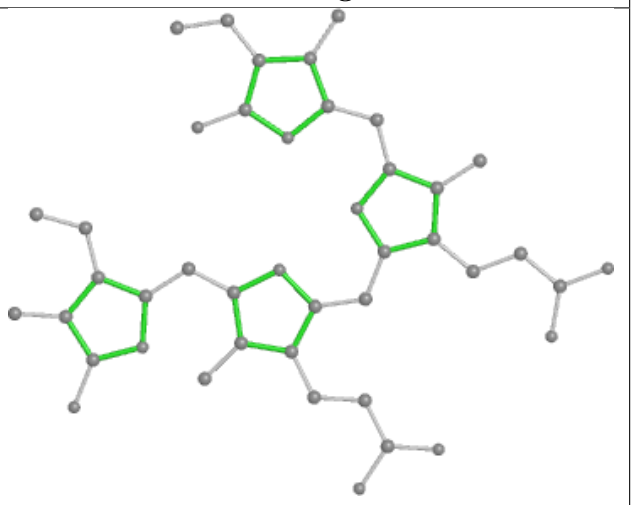
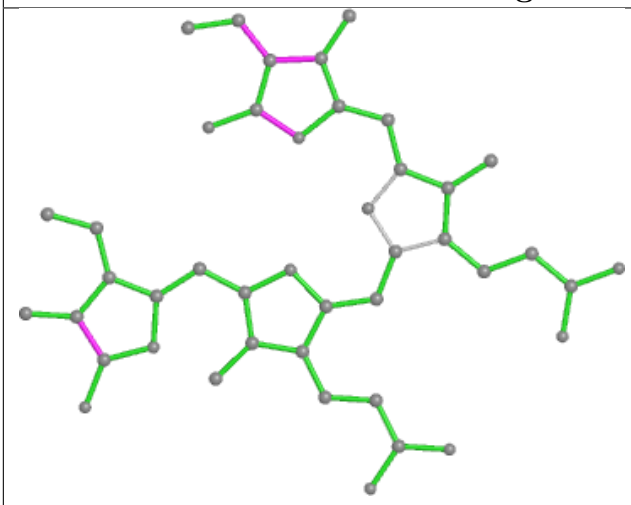
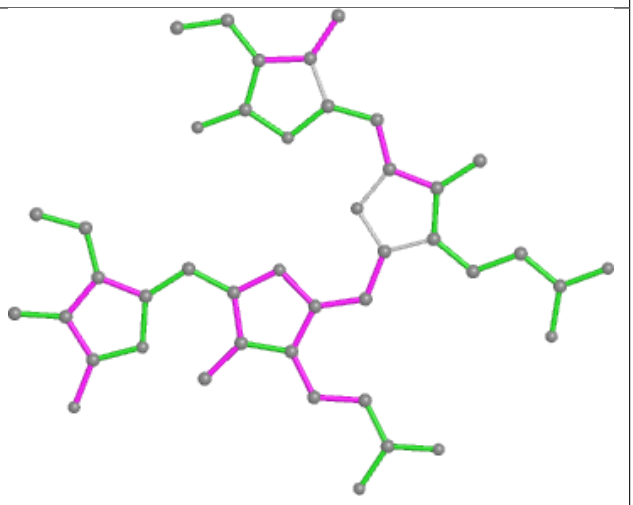


Rings

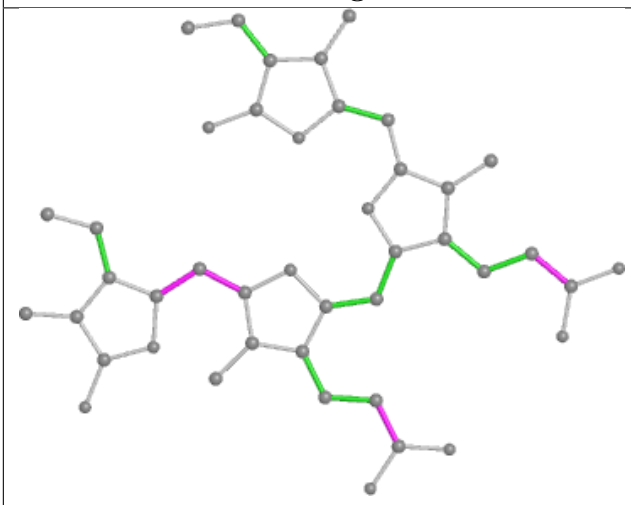
Ligand PEB C5 201



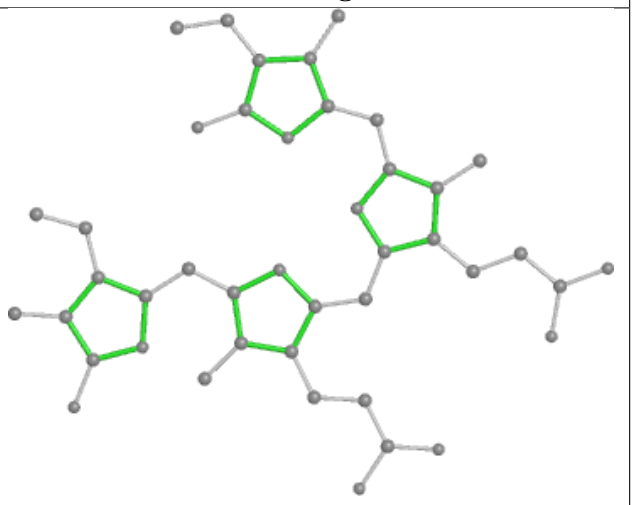
Bond lengths



Bond angles

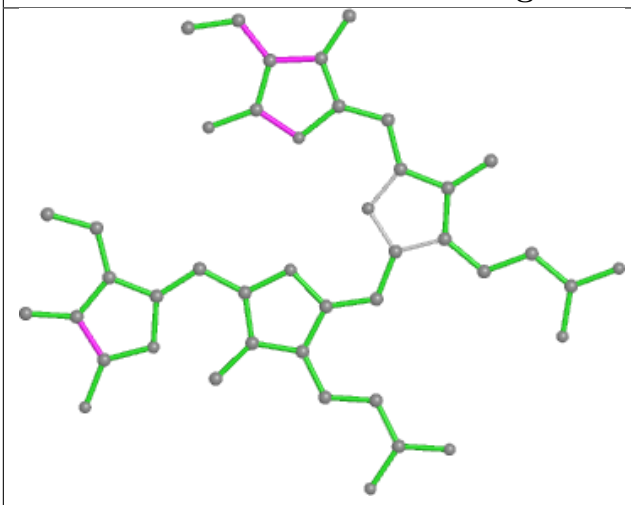


Torsions



Rings

Ligand PEB T4 201



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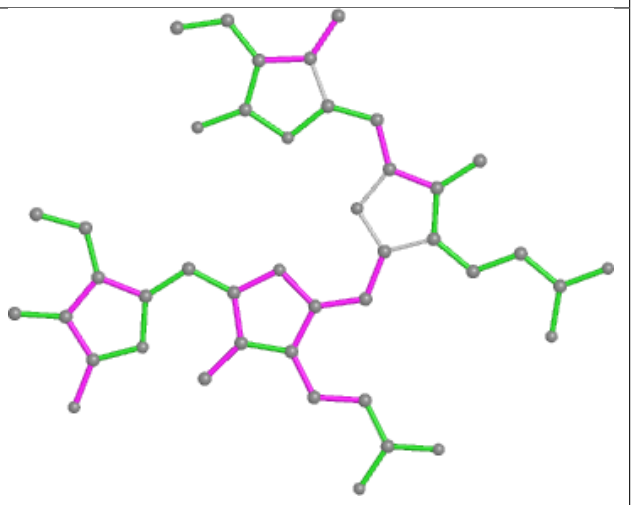

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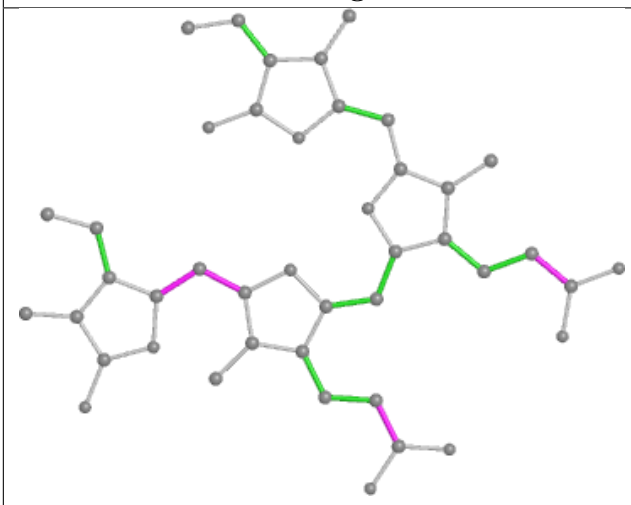

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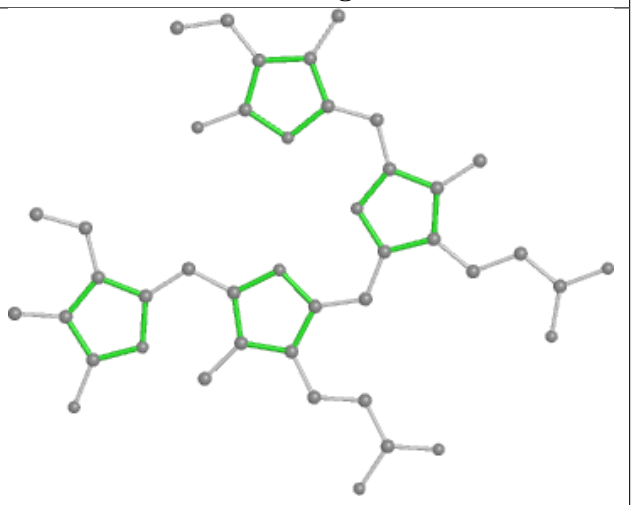
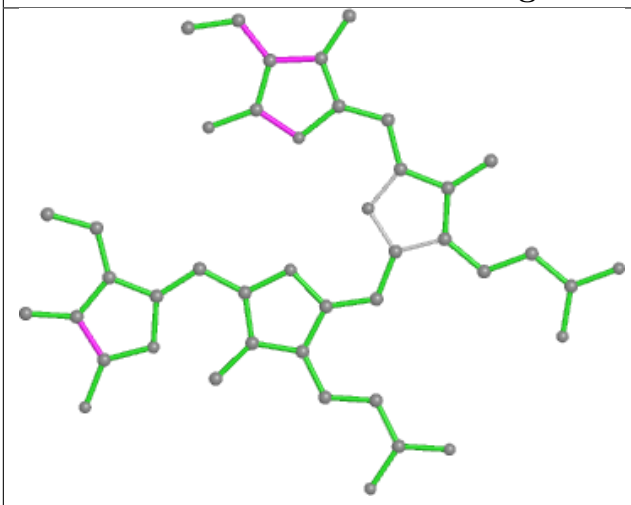


Rings

Ligand PEB u4 201



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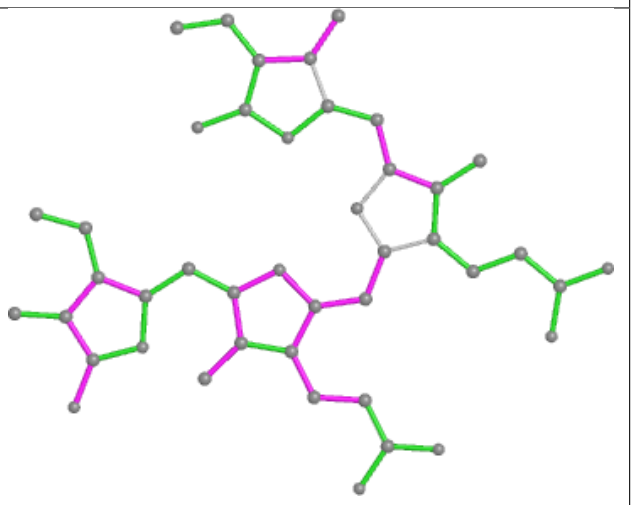

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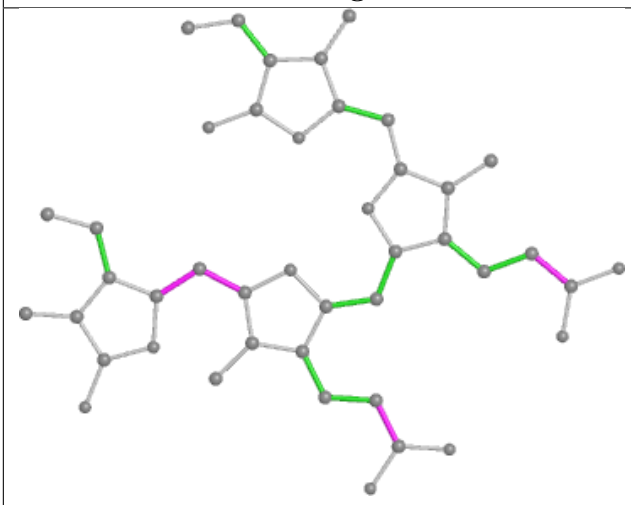

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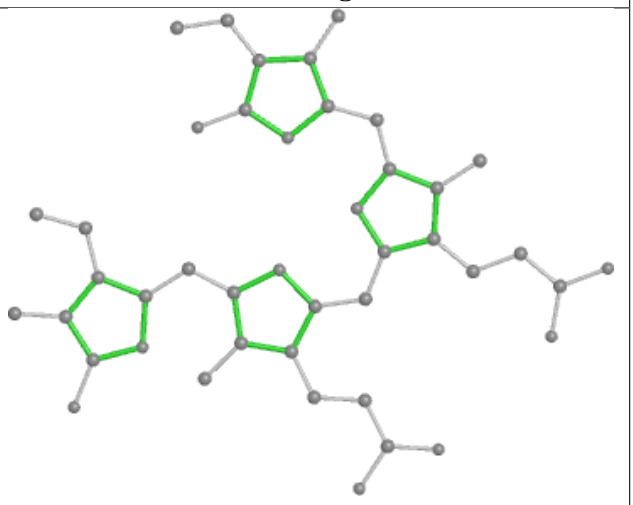
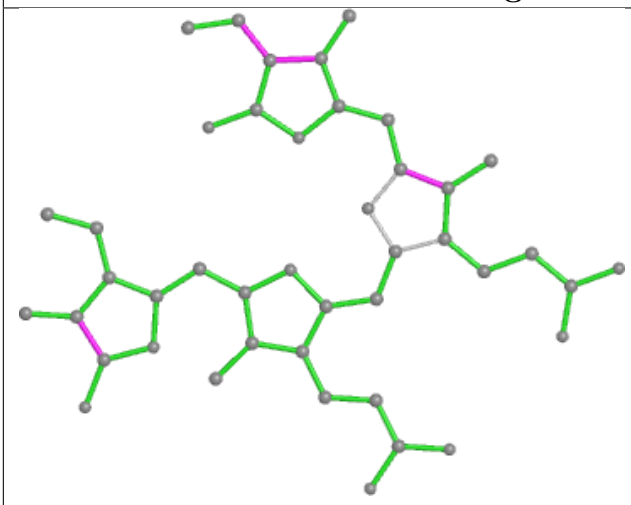


Rings

Ligand PEB bK 1002



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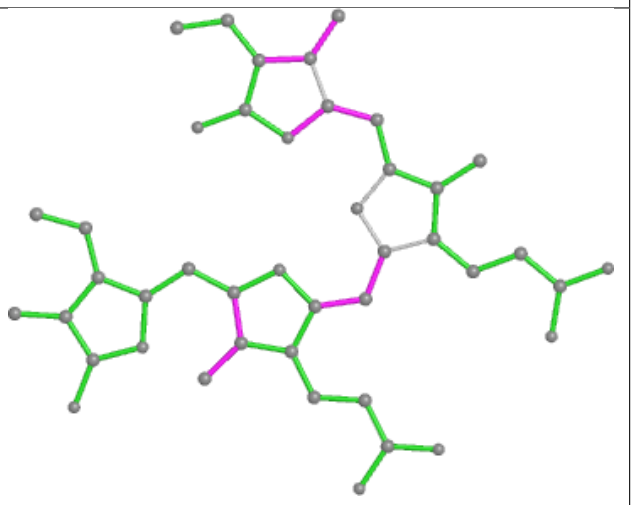

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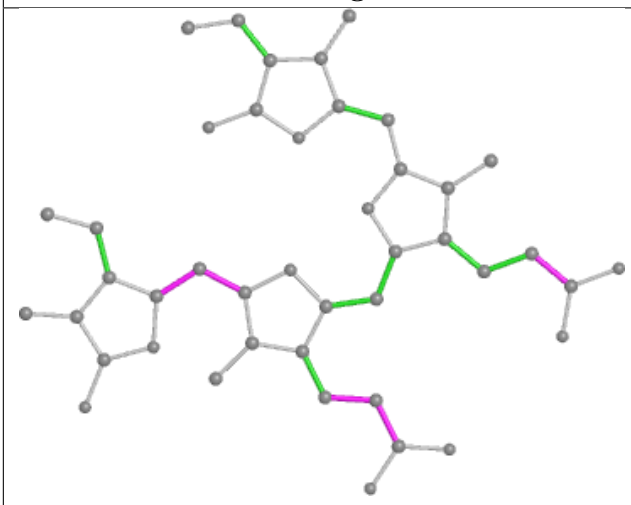

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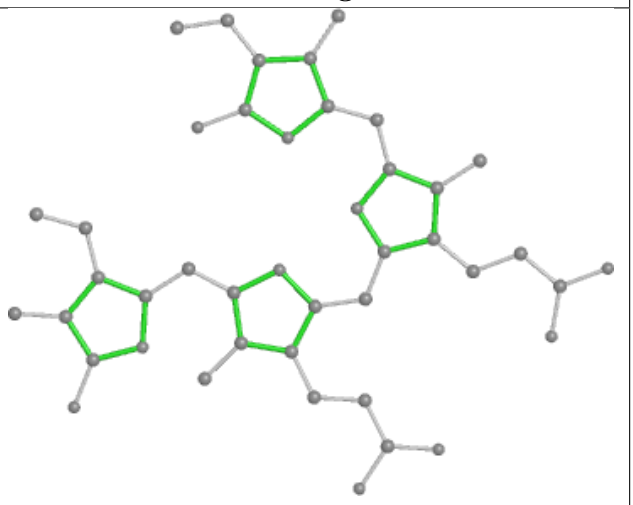
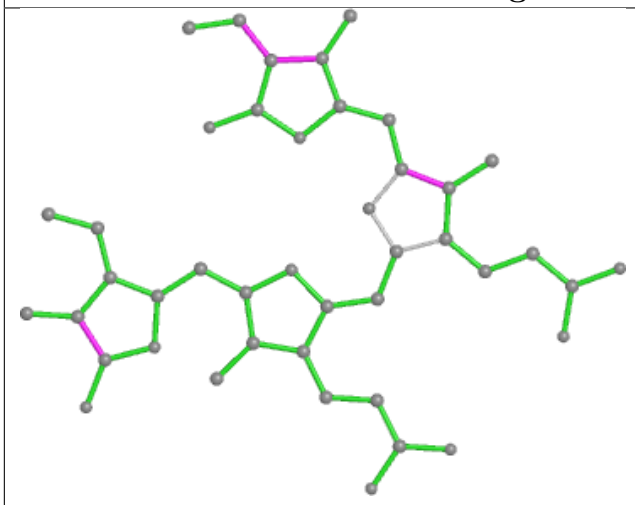


Rings

Ligand PEB E2 1002



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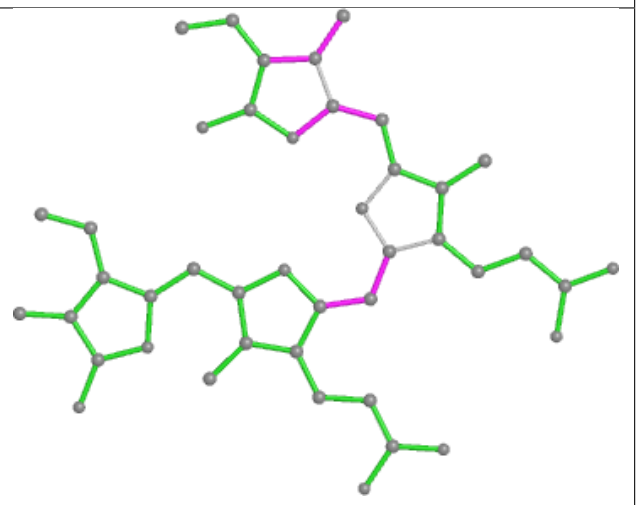

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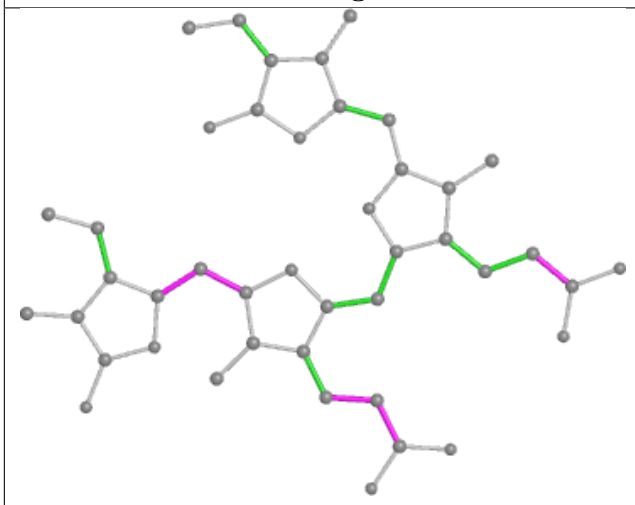

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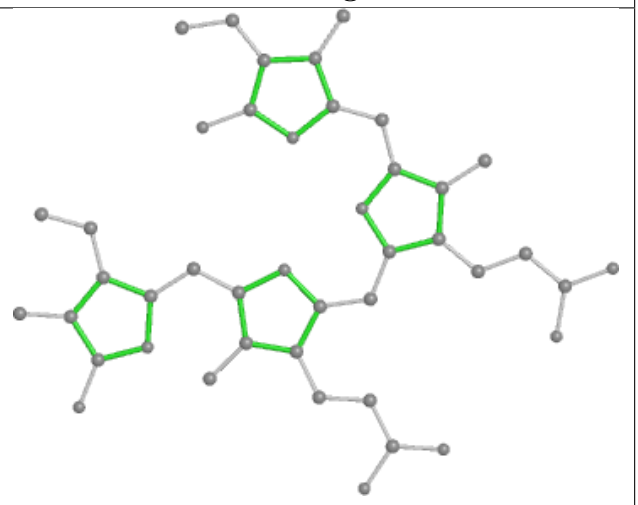
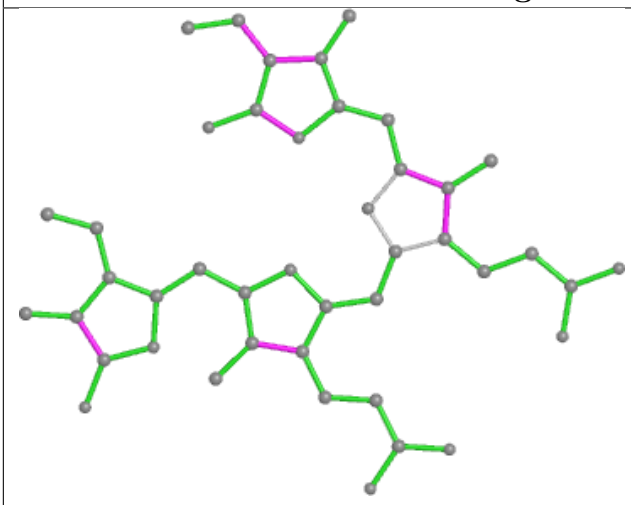


Rings

Ligand PEB hX 202



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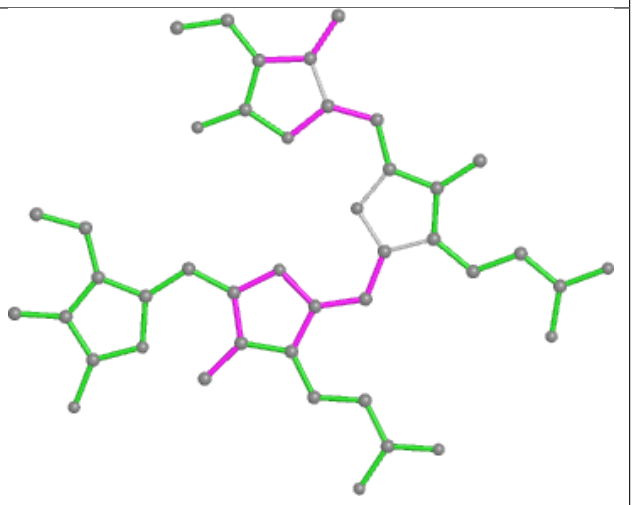

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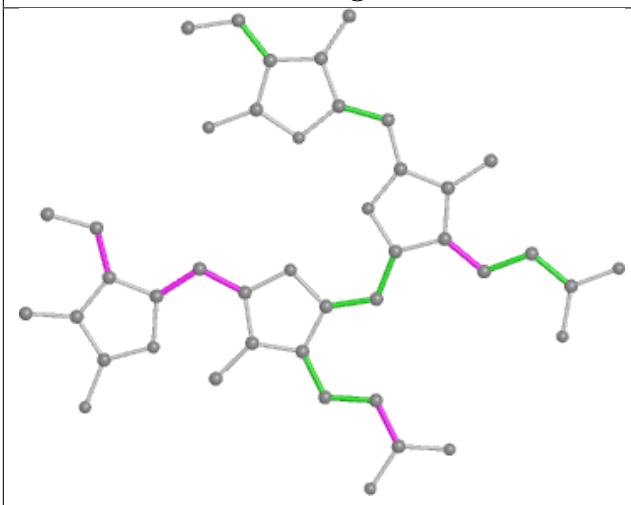

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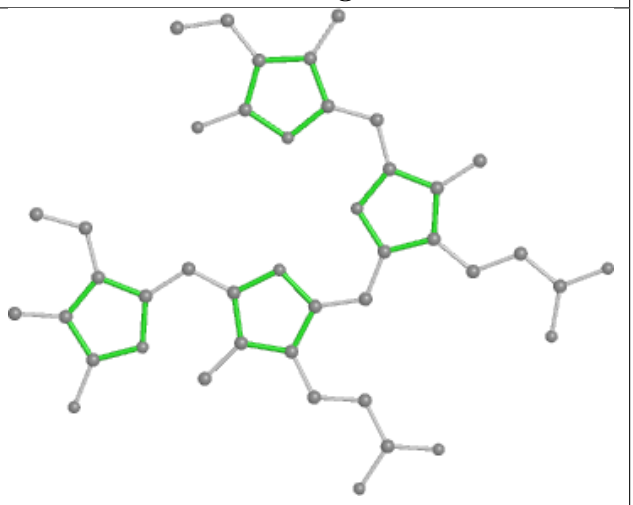
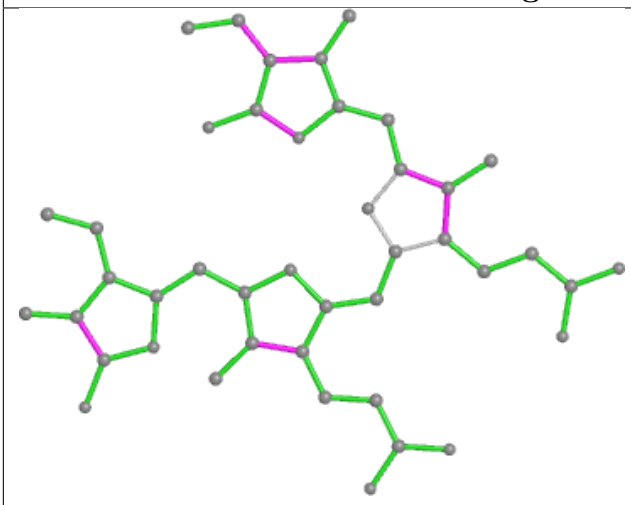


Rings

Ligand PEB at 202



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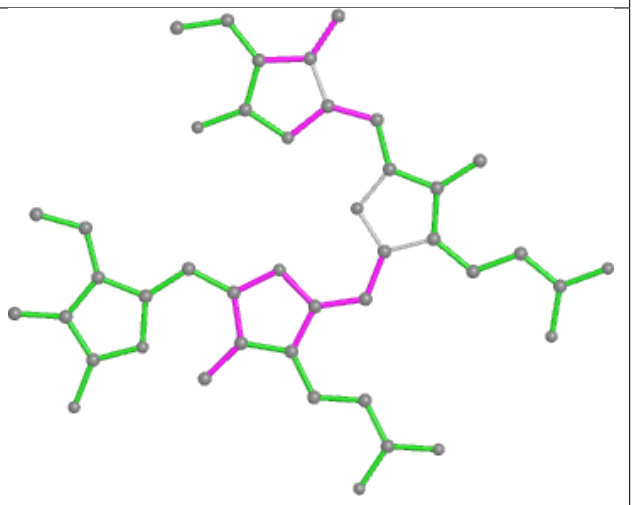

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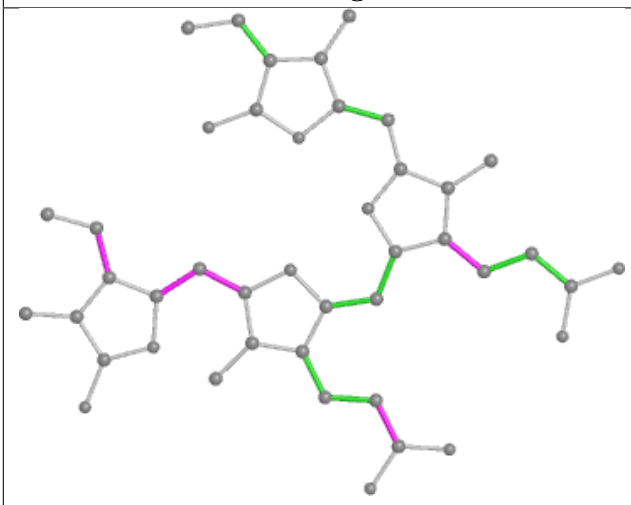

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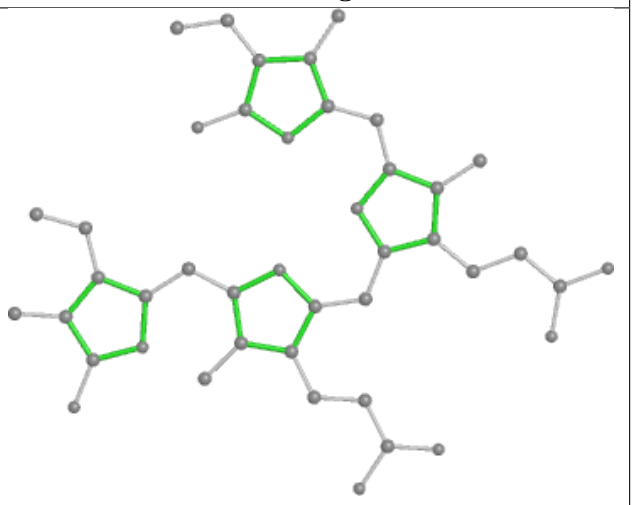
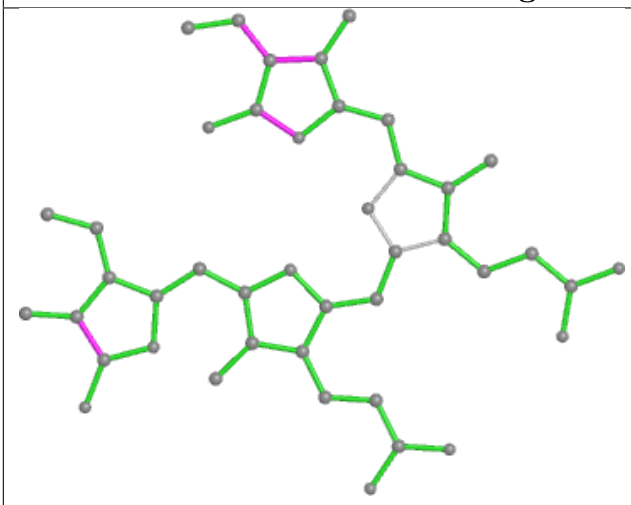


Rings

Ligand PEB n9 201



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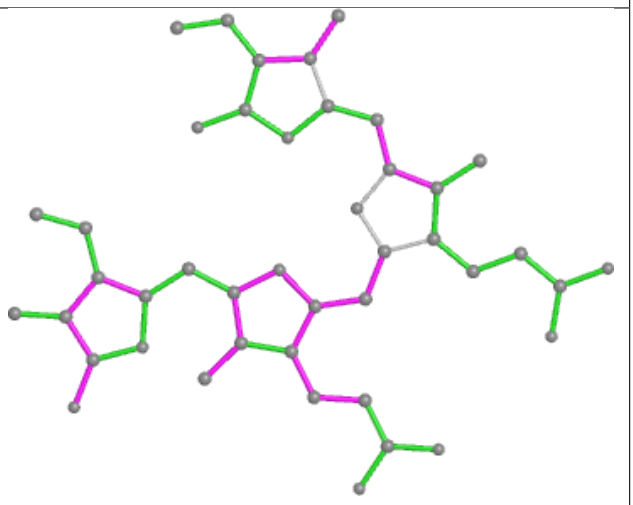

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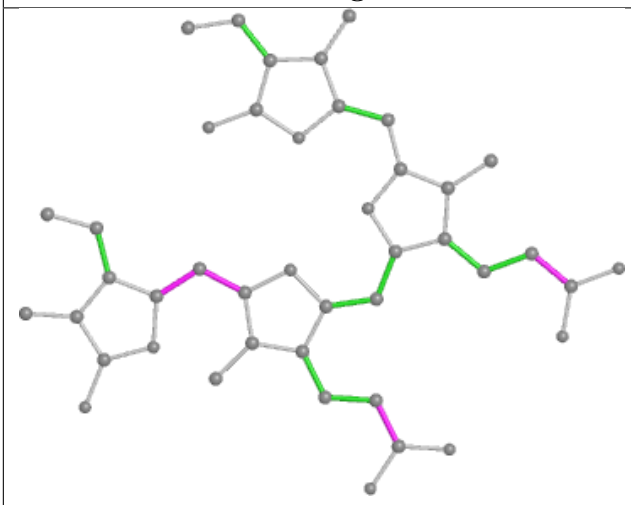

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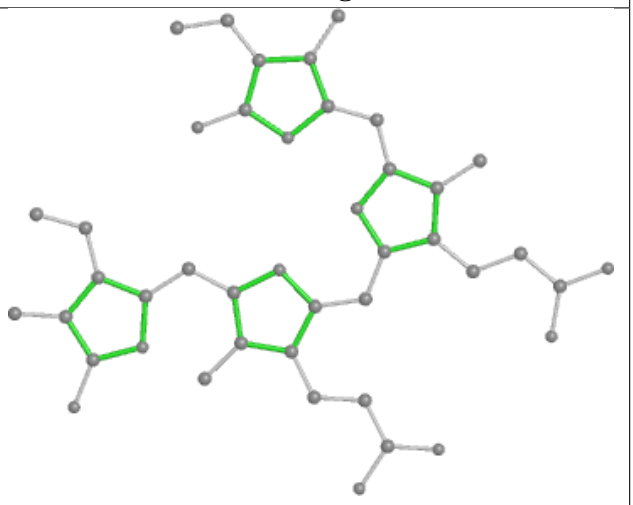
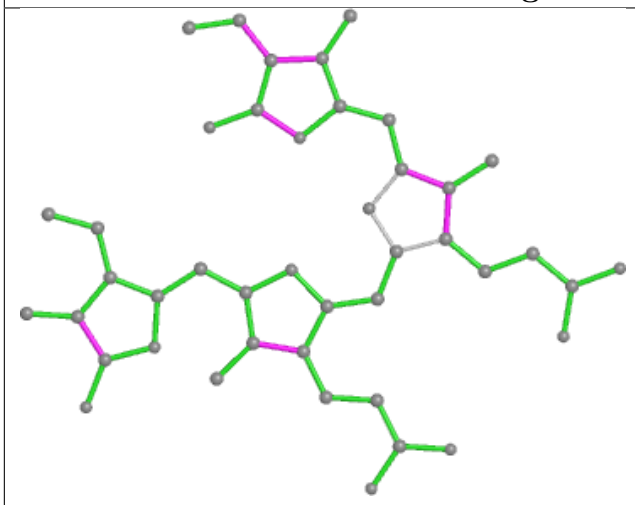


Rings

Ligand PEB z7 202



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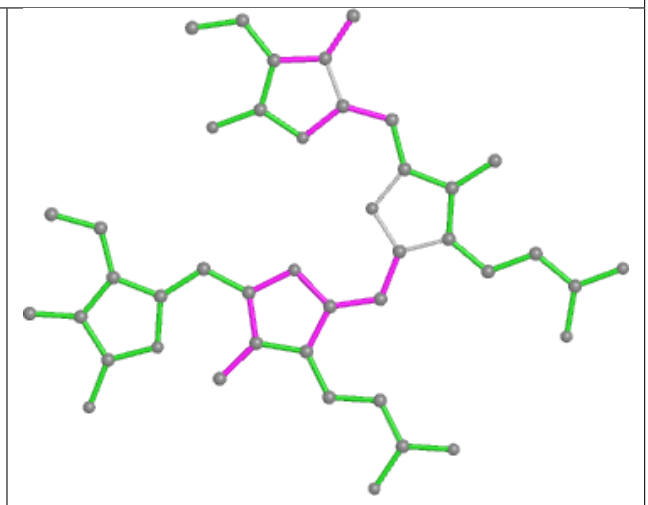

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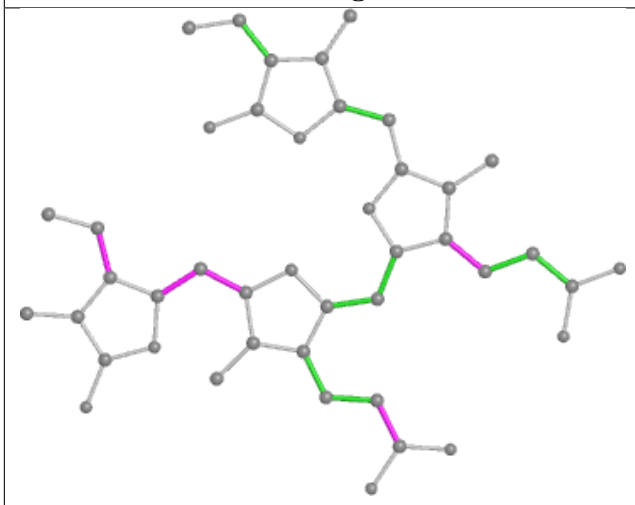

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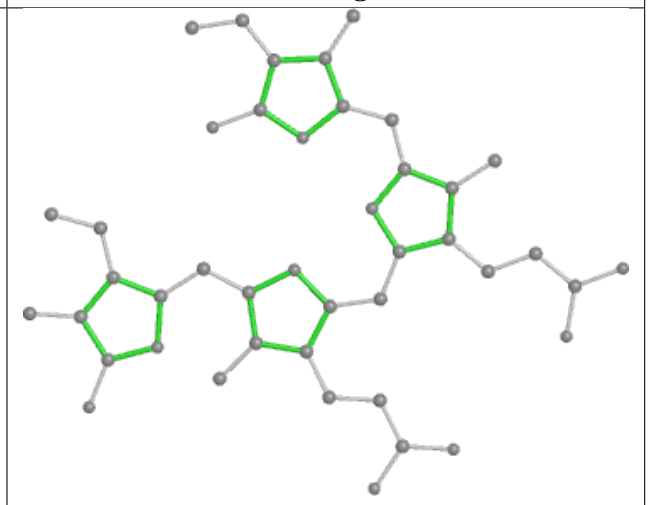
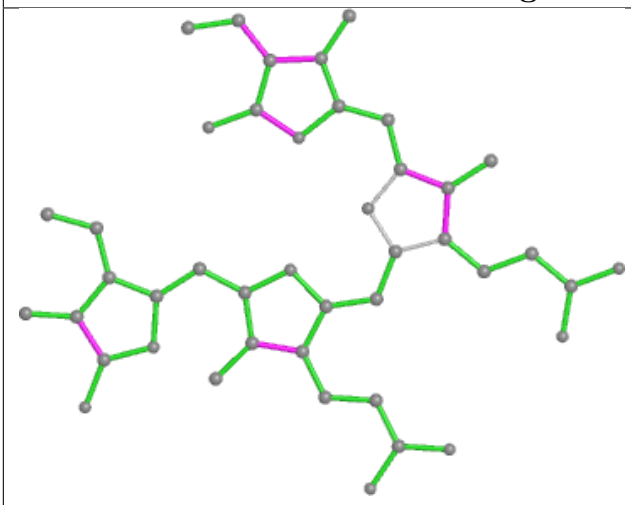


Rings

Ligand PEB cp 202



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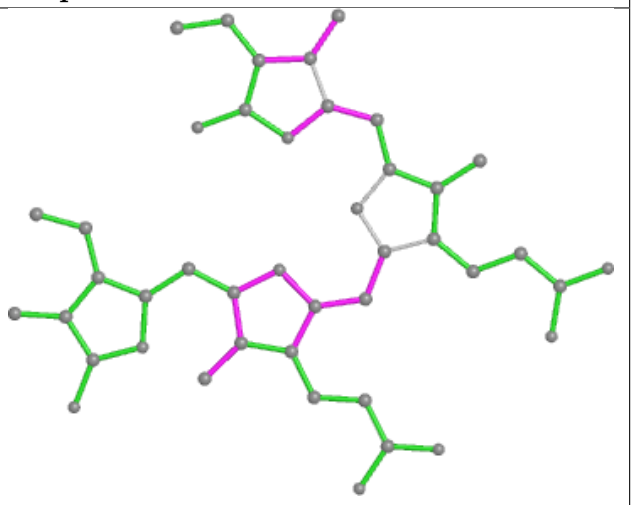

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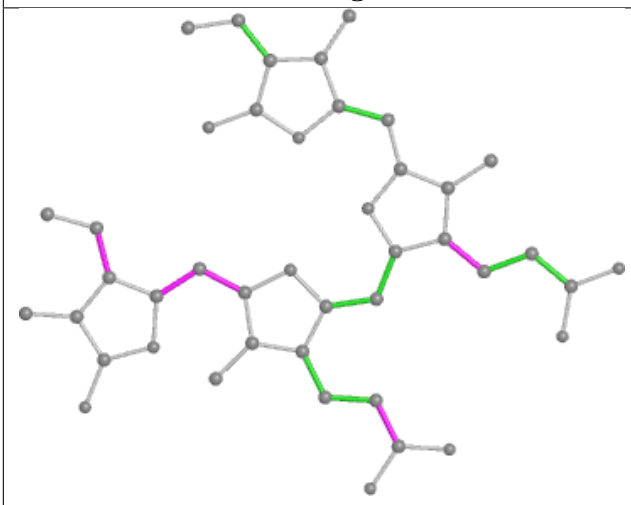

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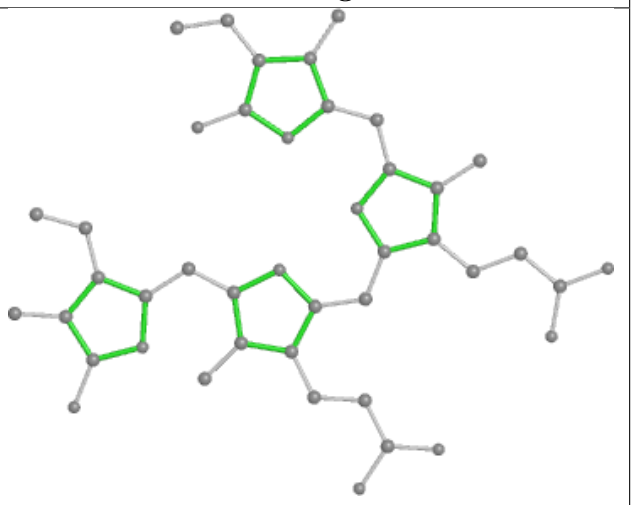
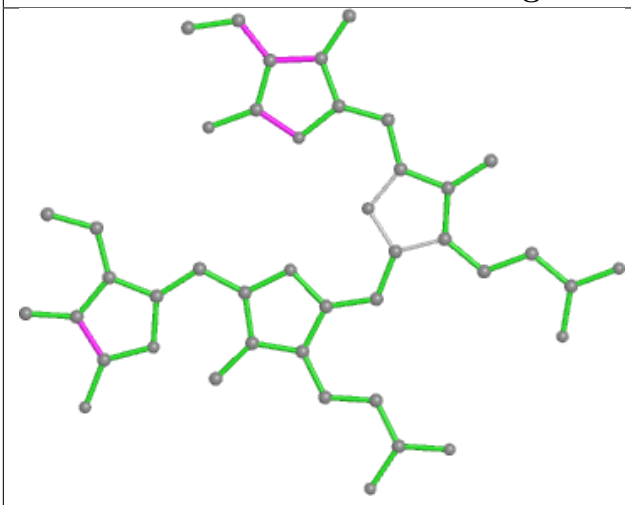


Rings

Ligand PEB fx 201



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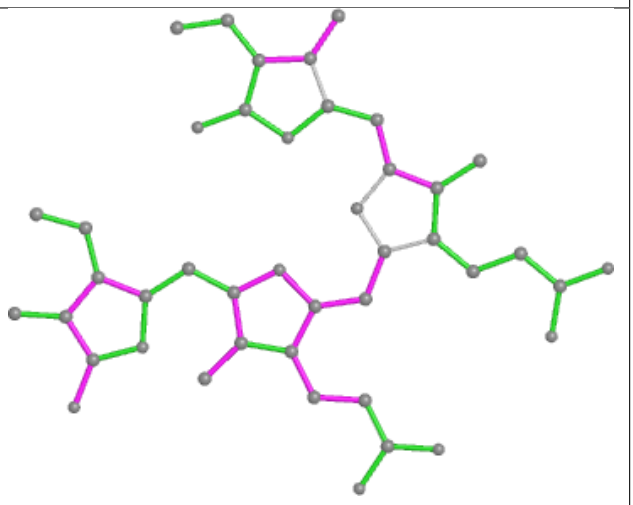

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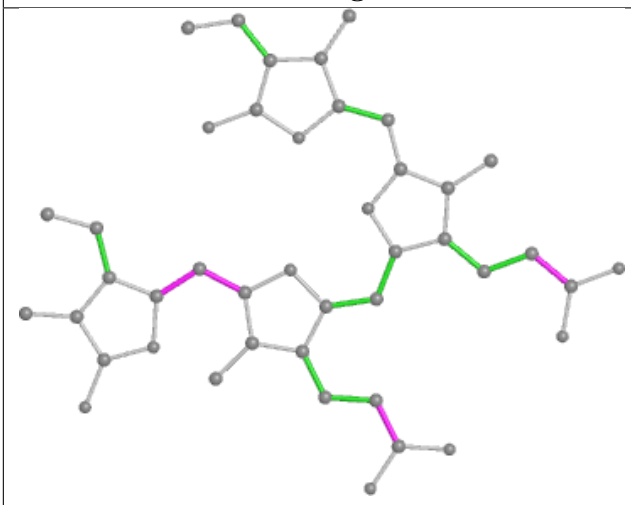

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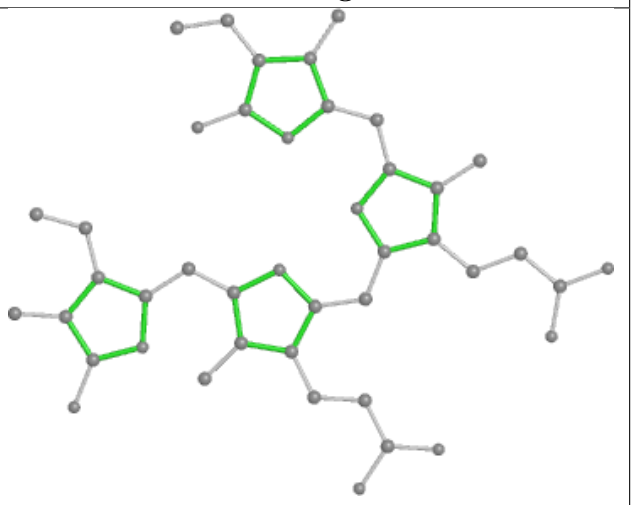
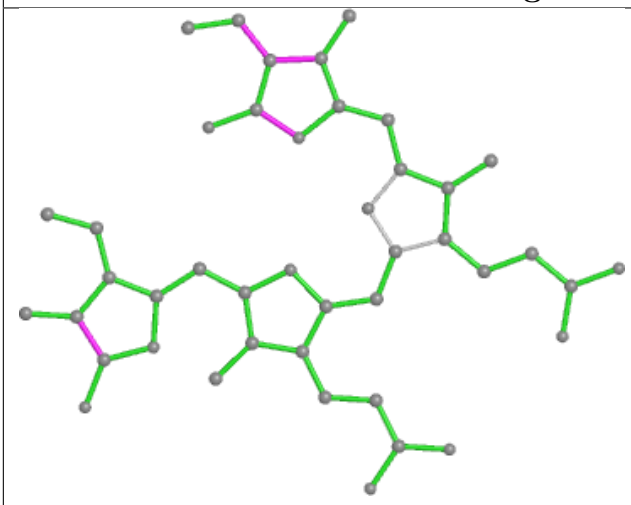


Rings

Ligand PEB l9 202



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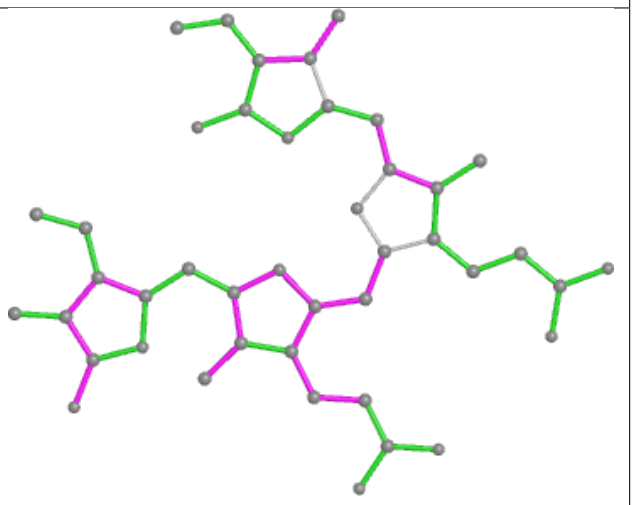

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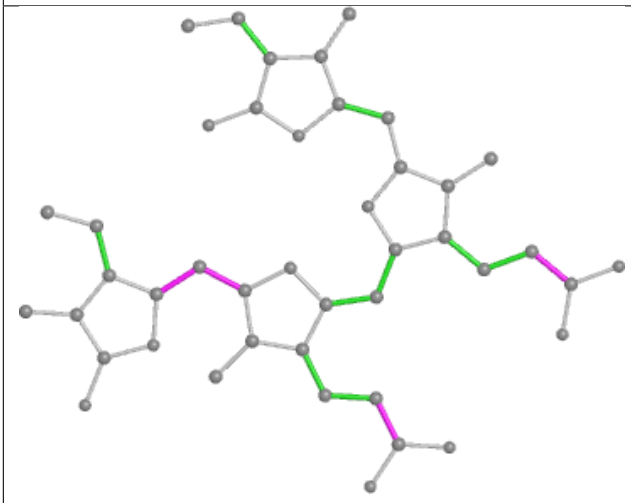

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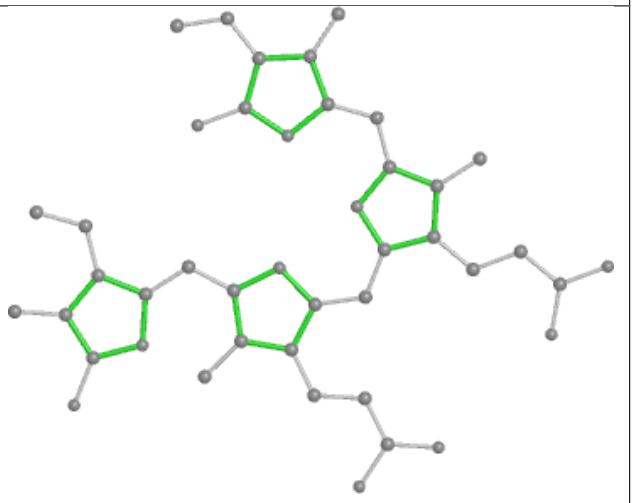
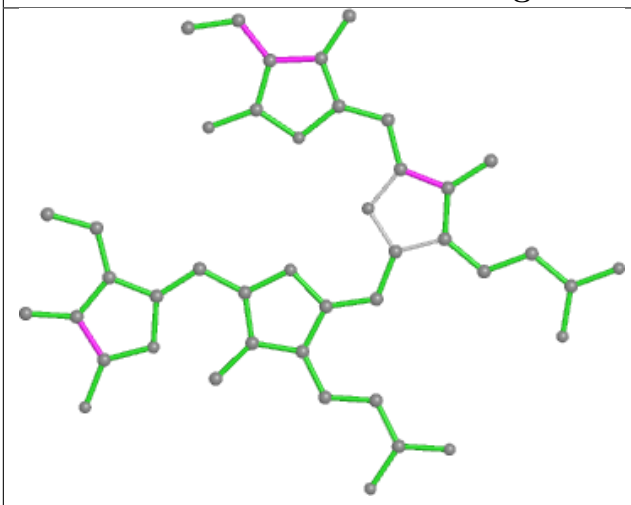


Rings

Ligand PEB fn 1002



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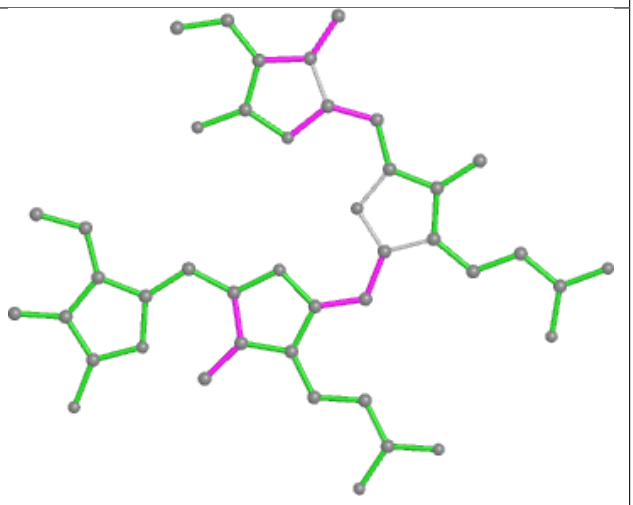

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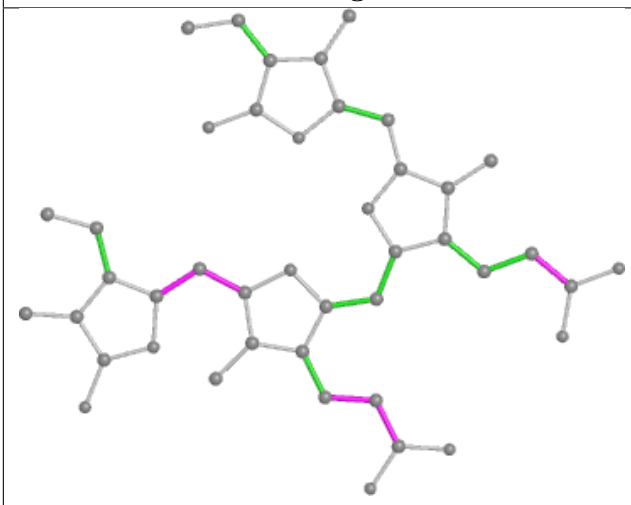

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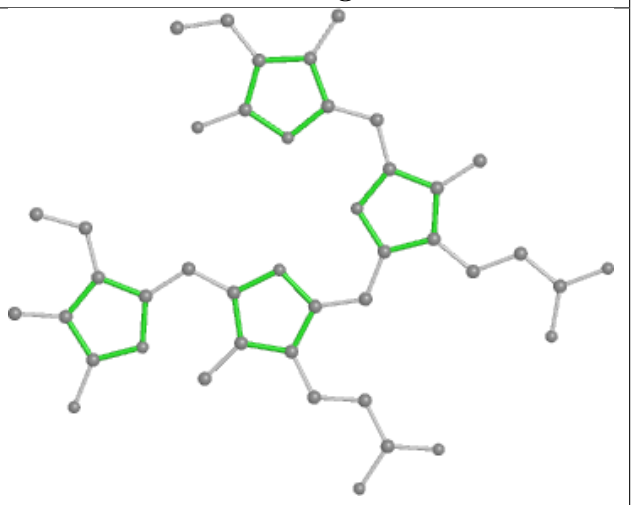

Rings

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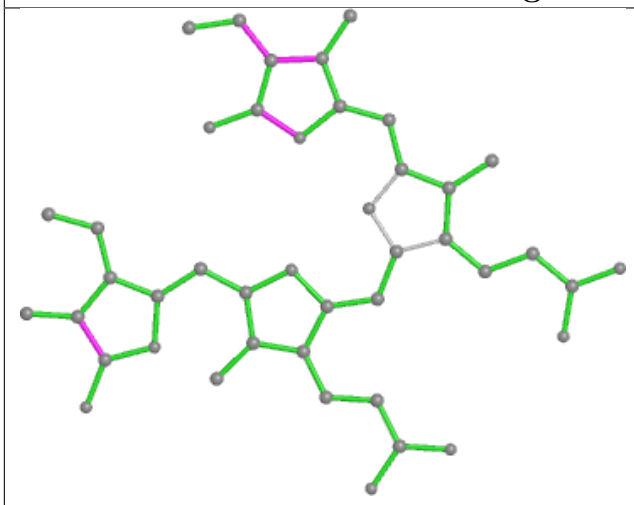

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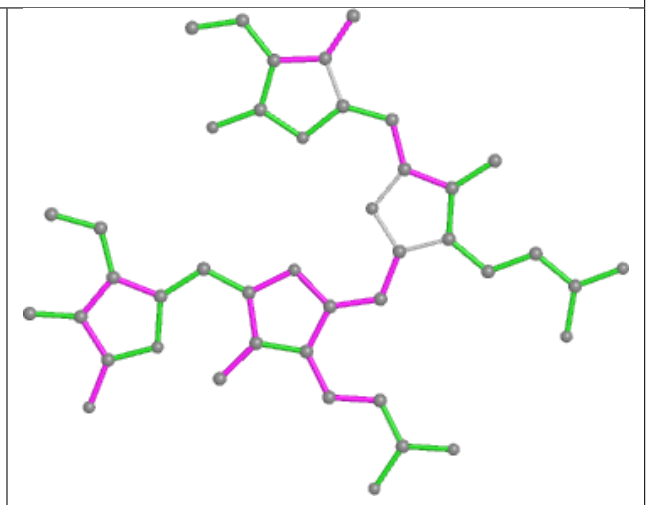
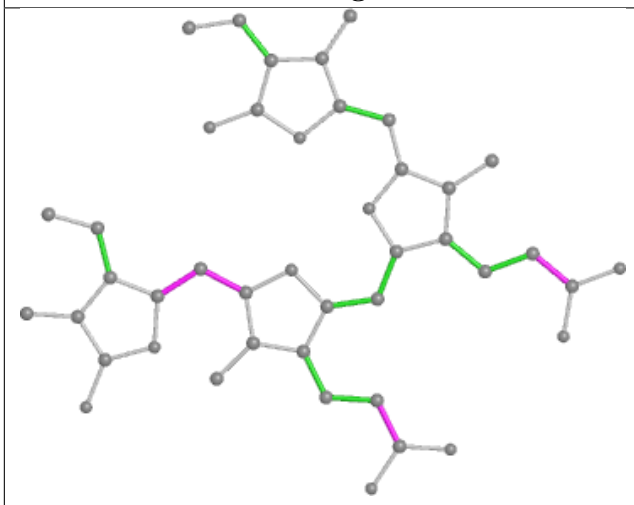
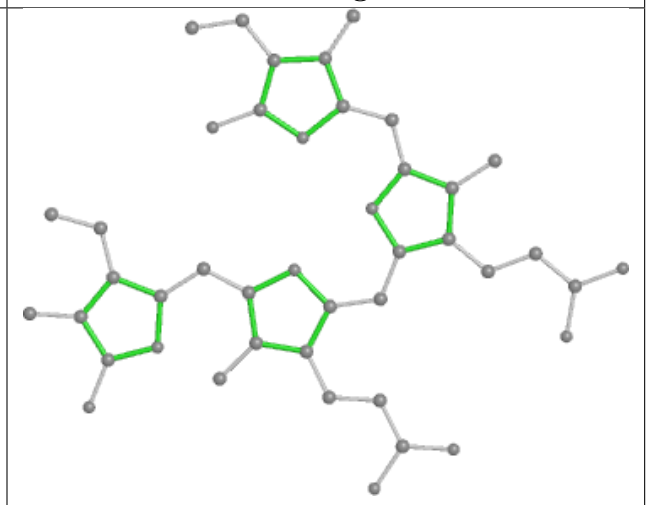


Bond angles

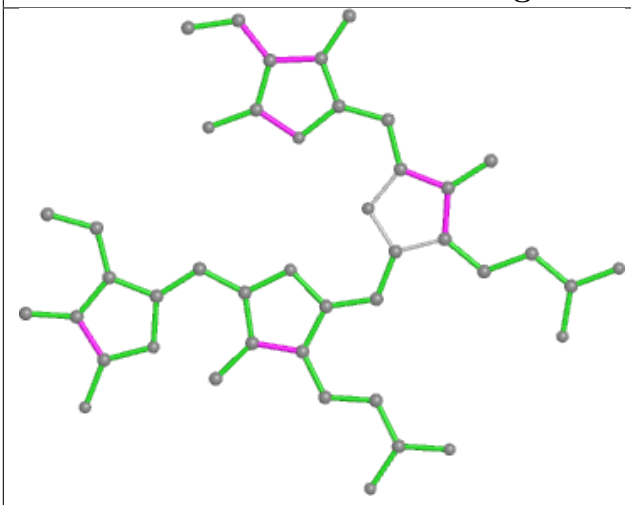


Torsions



Rings

Ligand PEB hH 202



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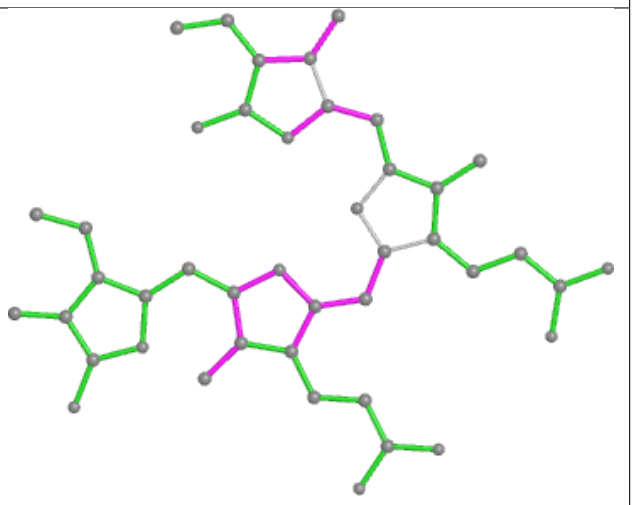

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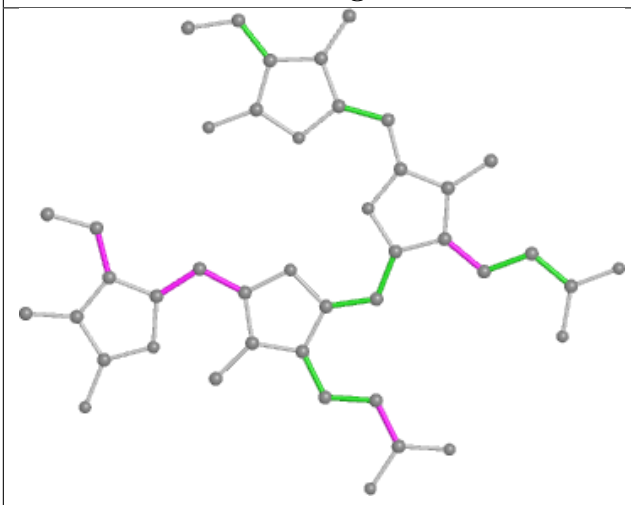

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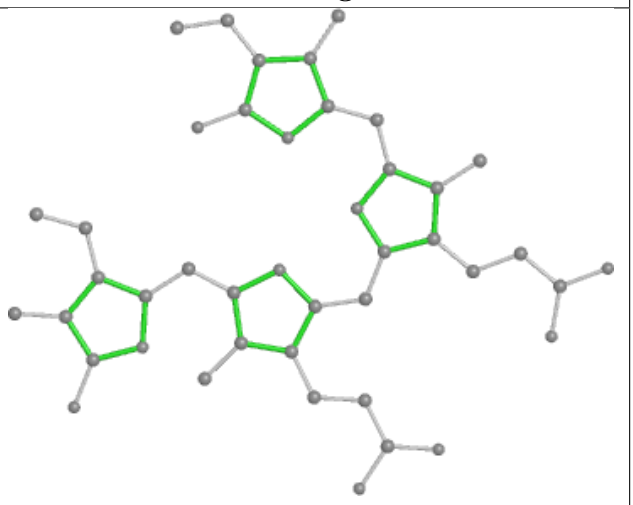
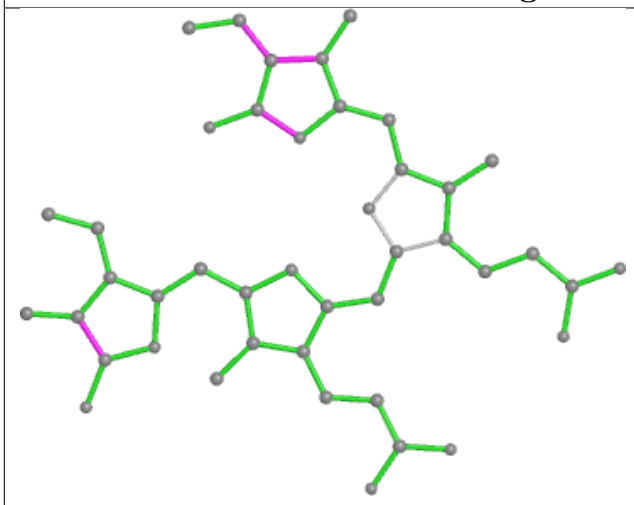


Rings

Ligand PEB p2 201



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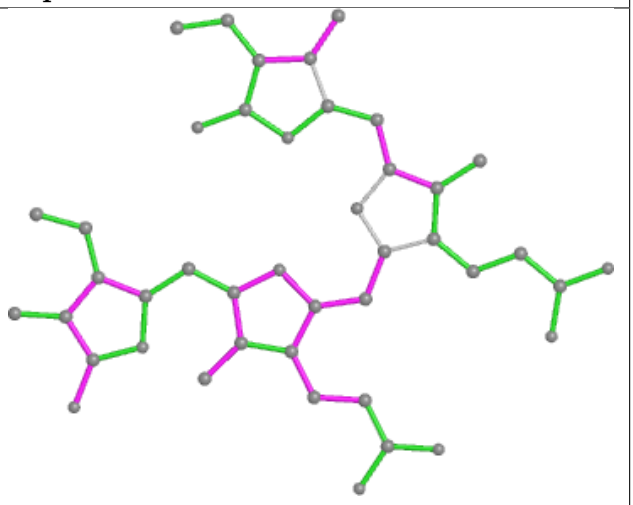

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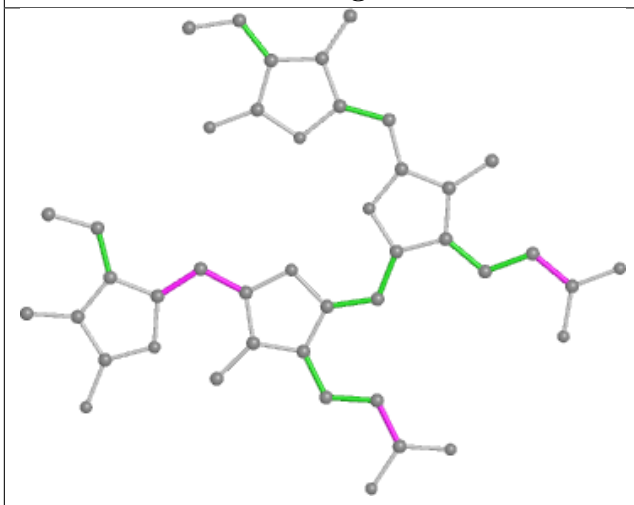

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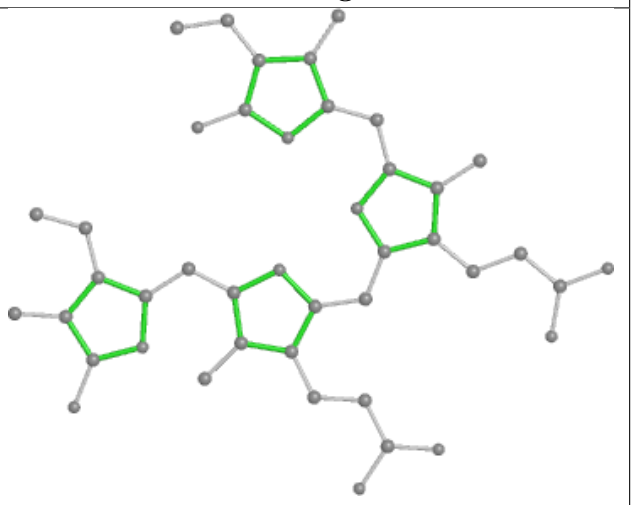
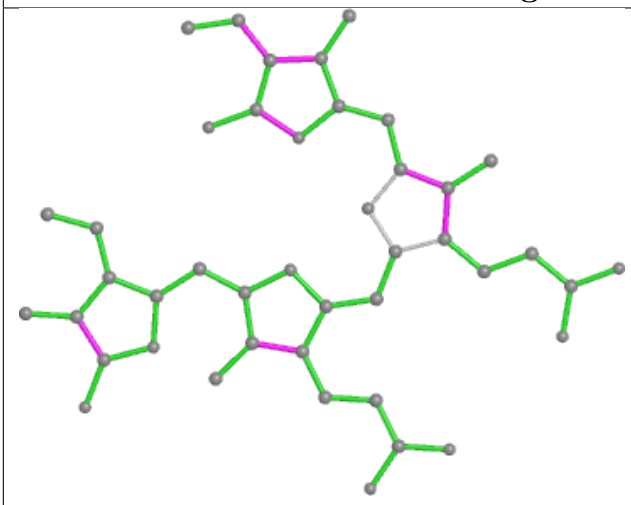


Rings

Ligand PEB eg 202



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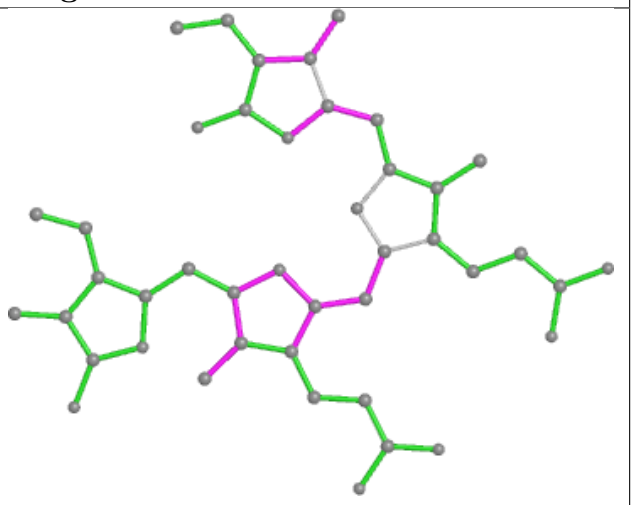
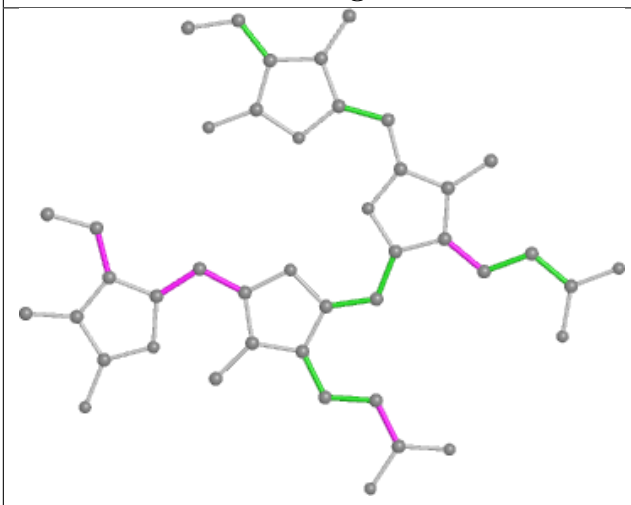


Bond angles



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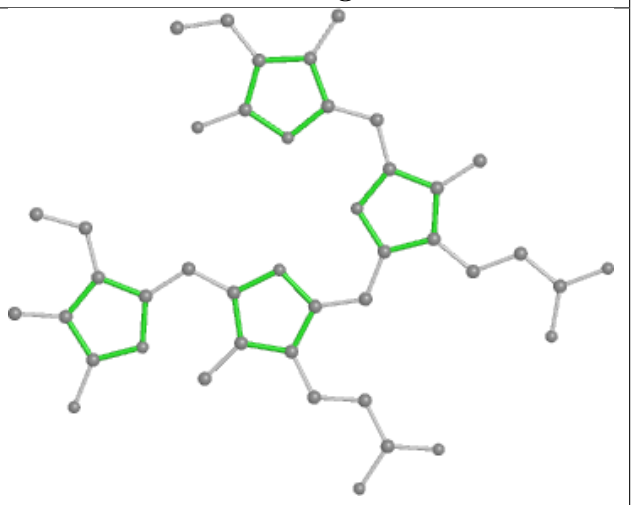
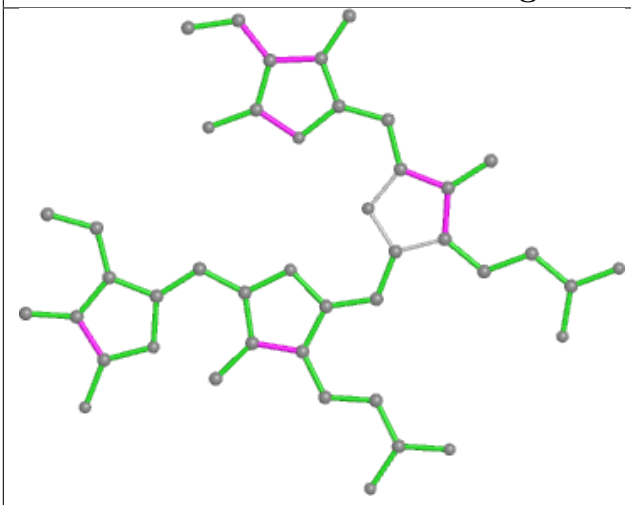


Rings

Ligand PEB y8 202



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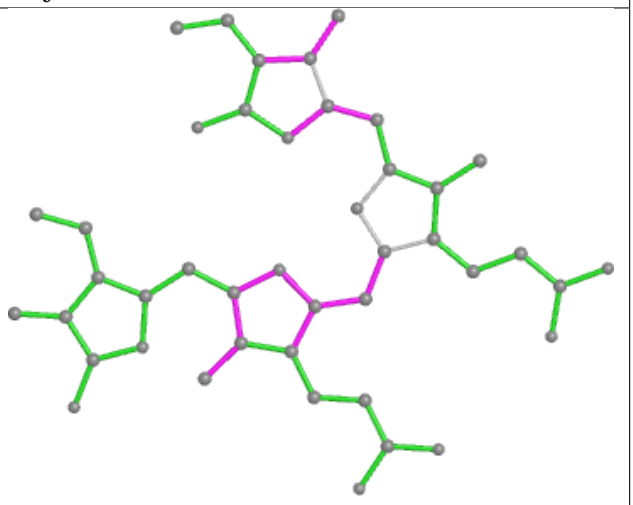

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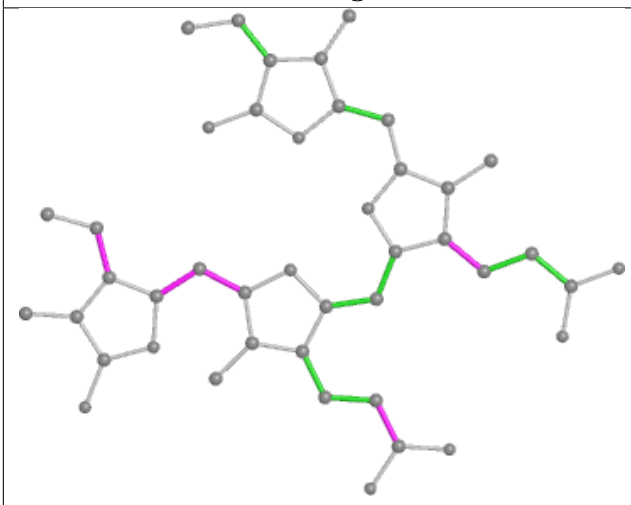

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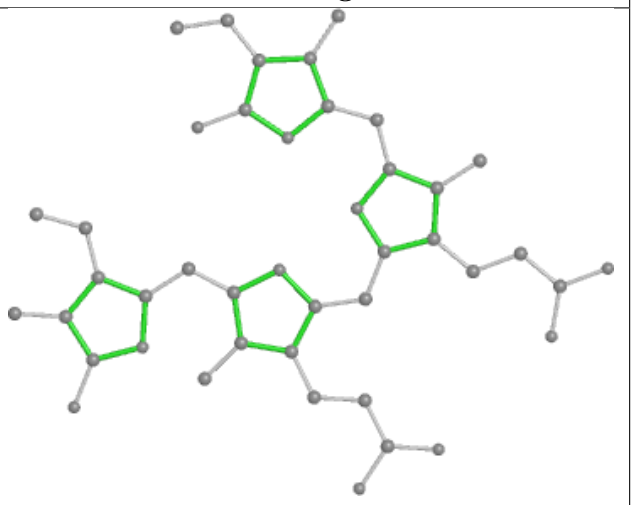
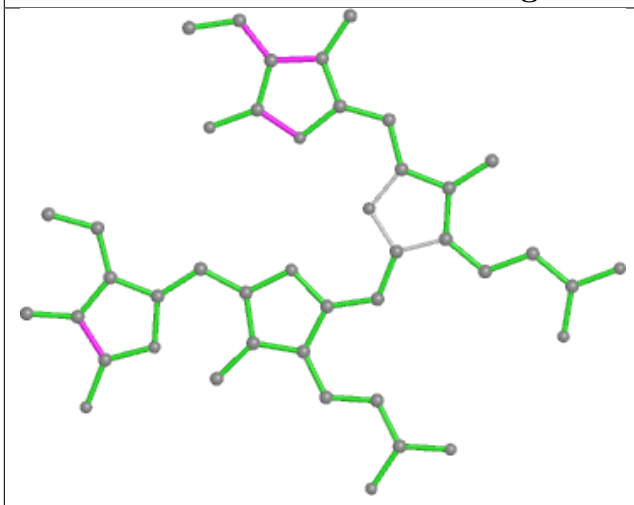


Rings

Ligand PEB o4 202



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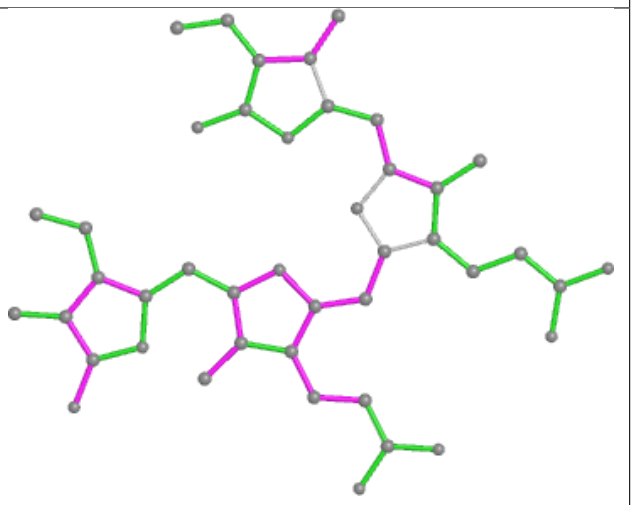

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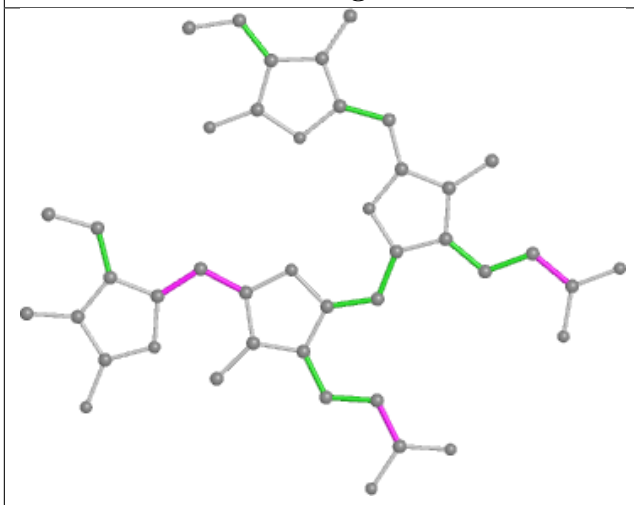

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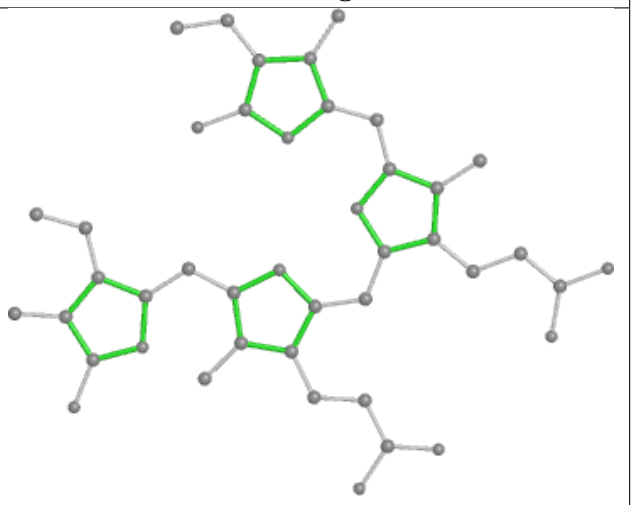
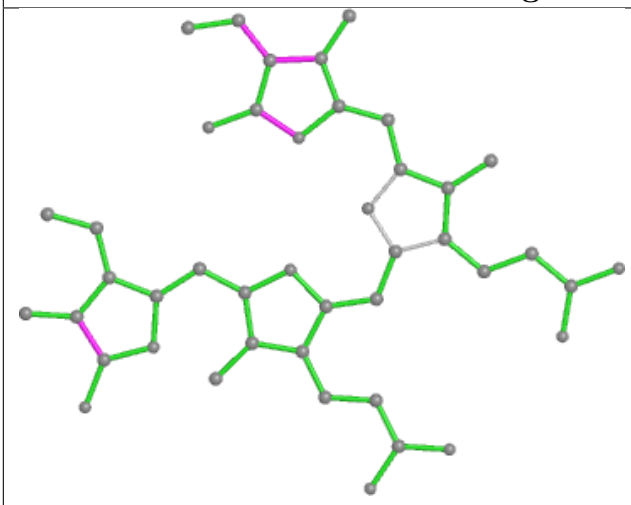


Rings

Ligand PEB I6 202



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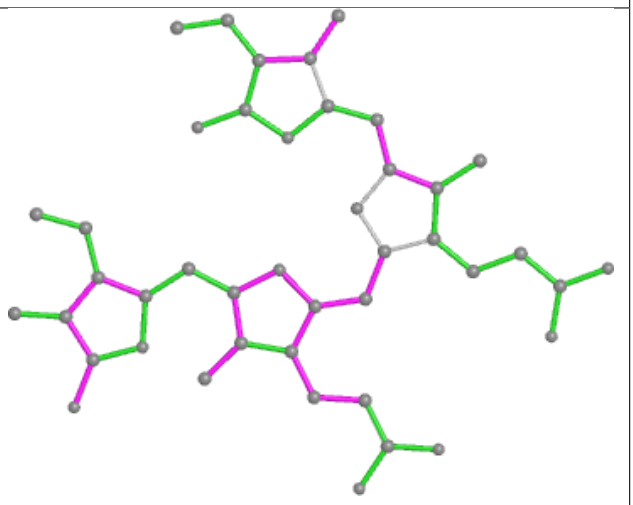

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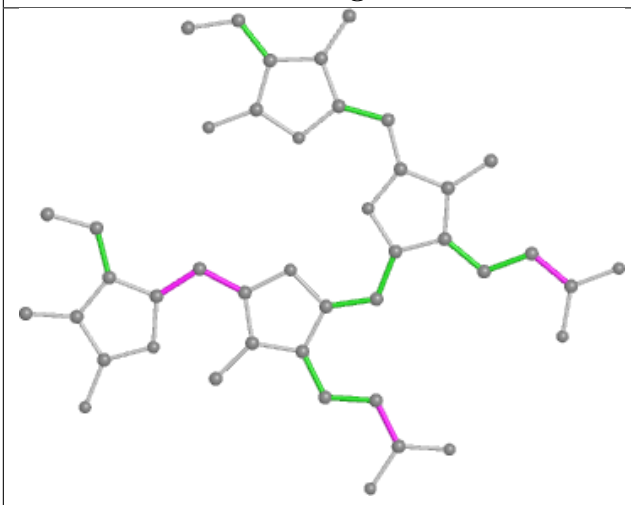

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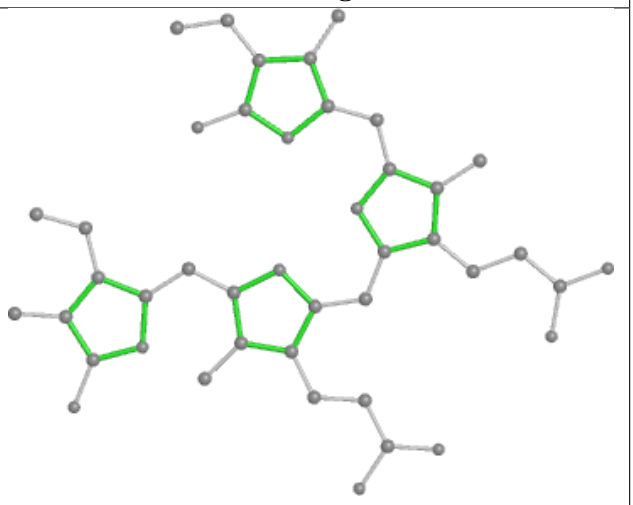
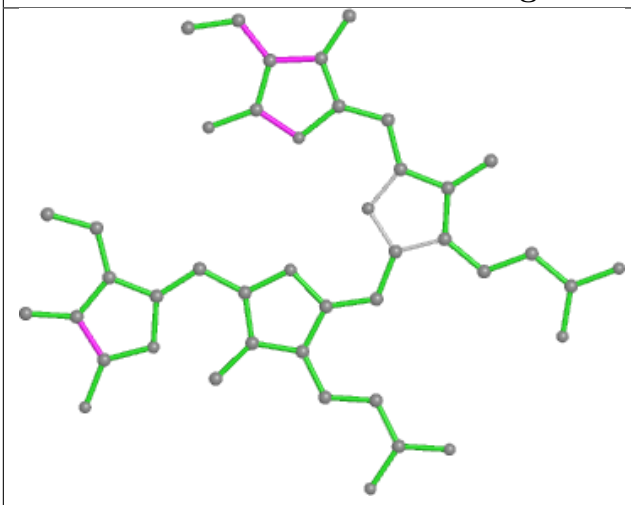


Rings

Ligand PEB o4 201



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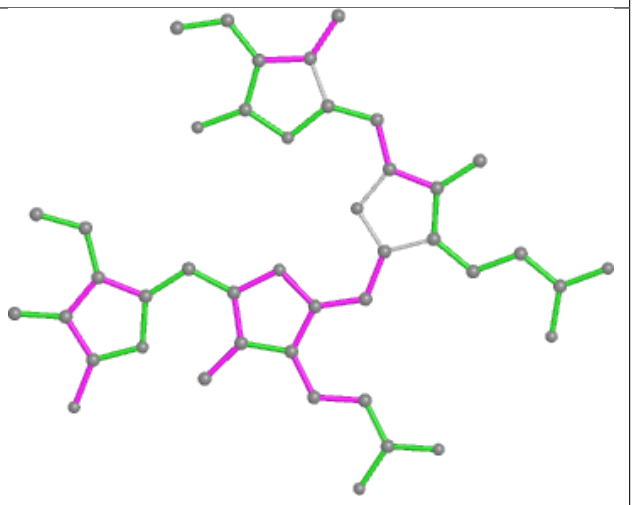

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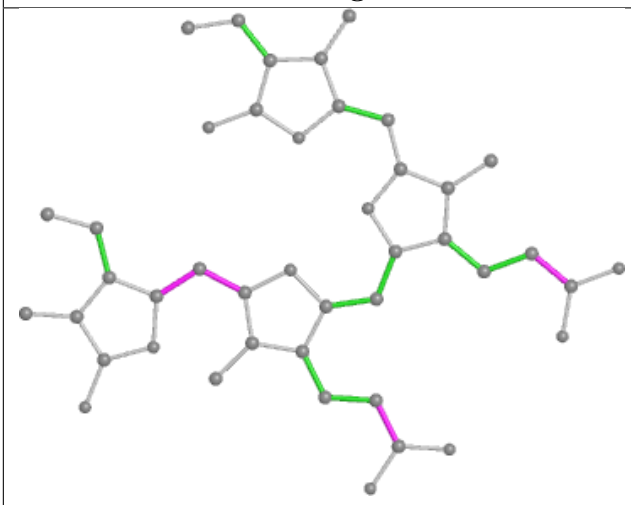

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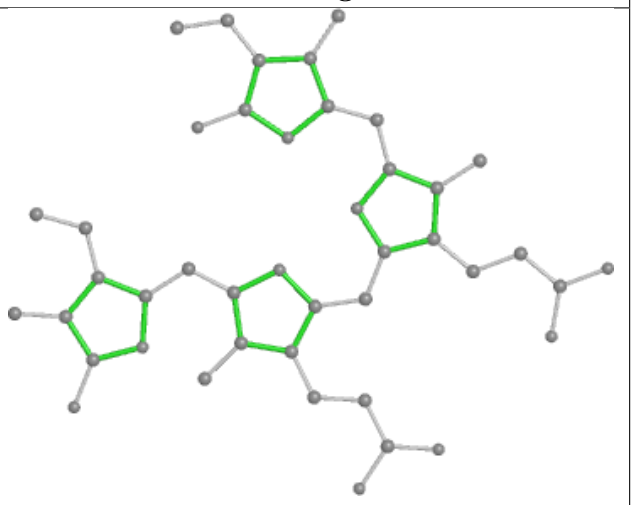
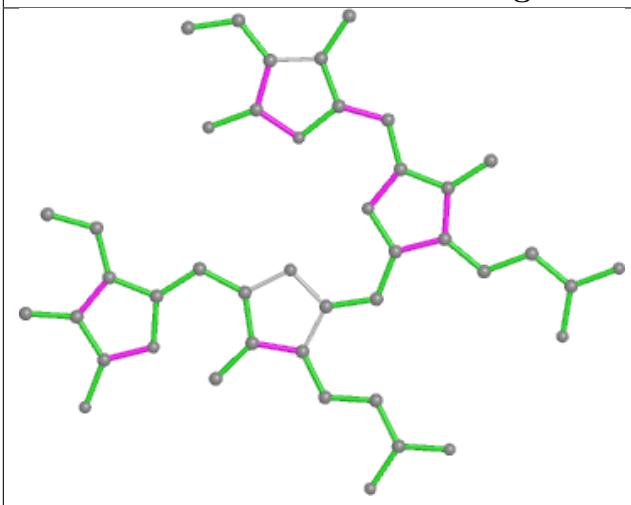


Rings

Ligand PUB R7 203



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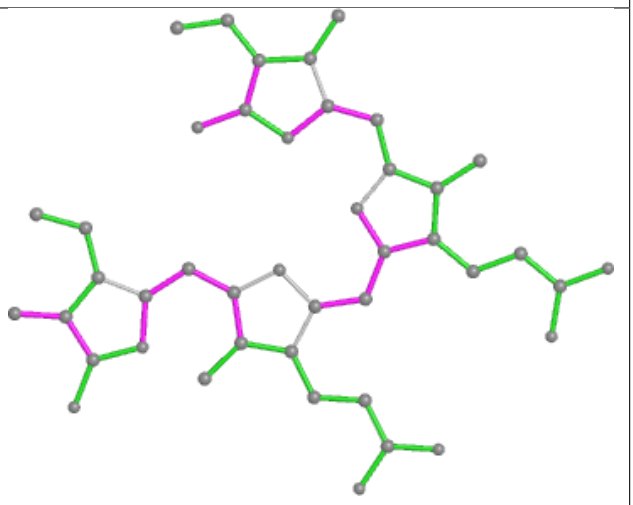
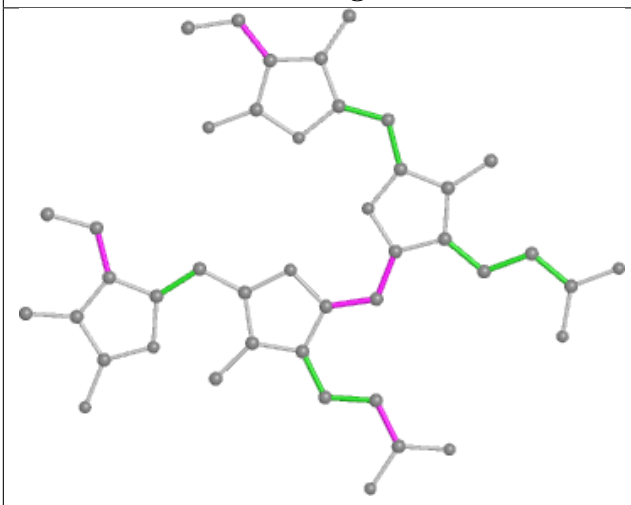


Bond angles



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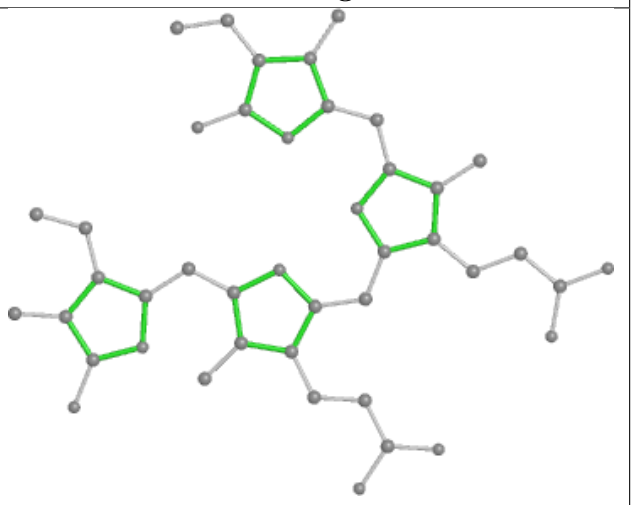
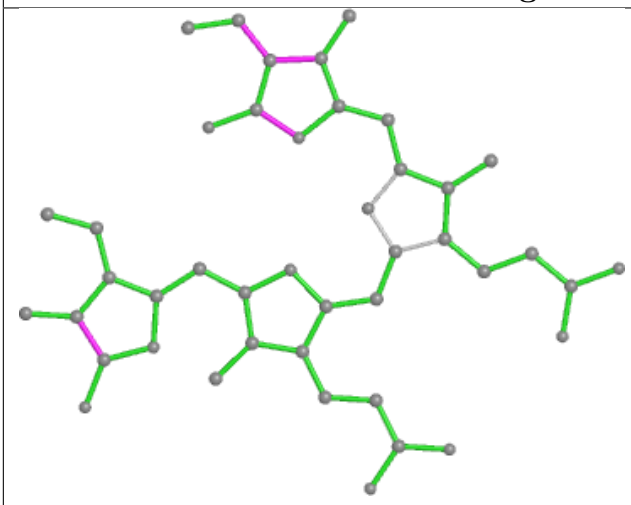


Rings

Ligand PEB v6 201



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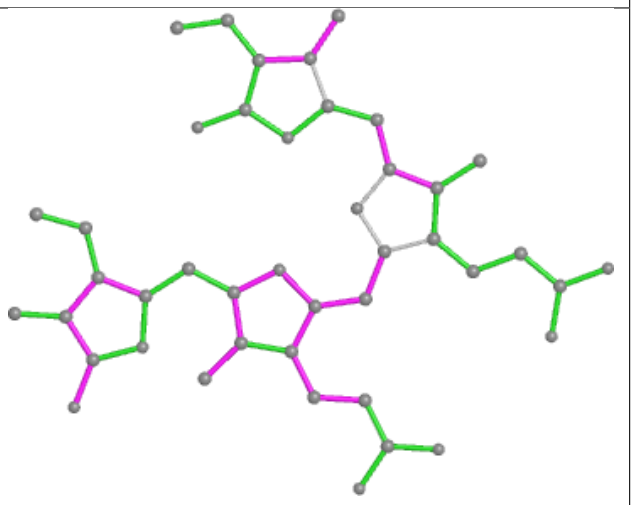

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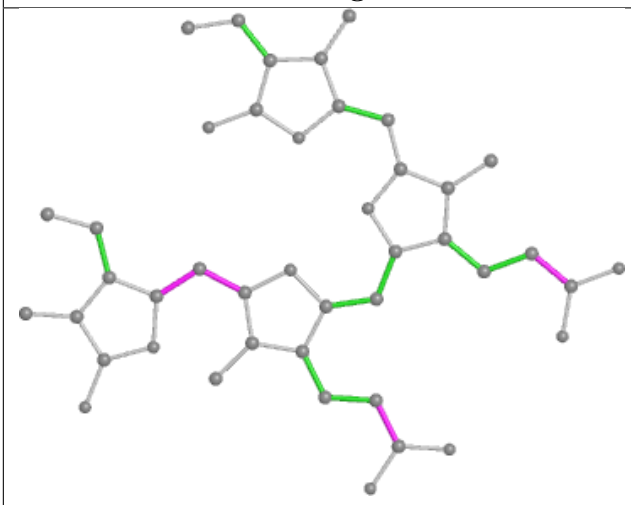

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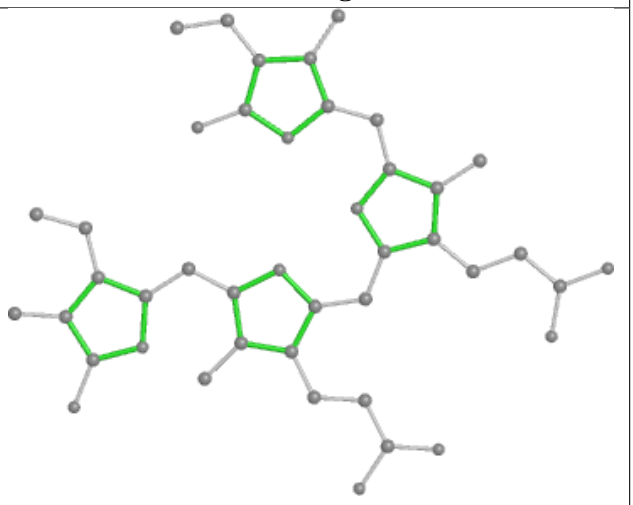
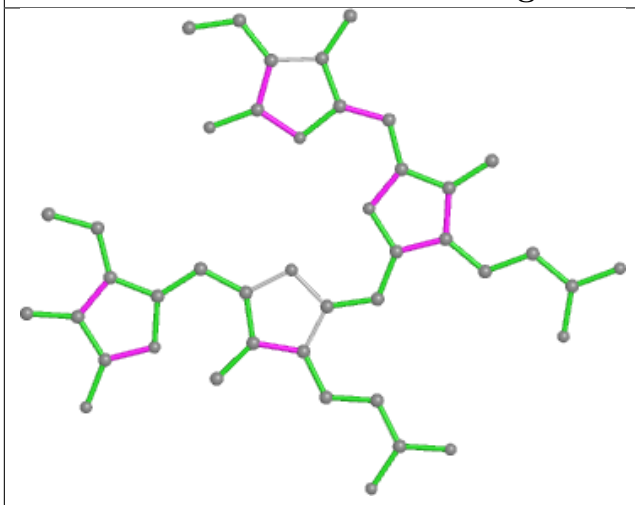


Rings

Ligand PUB u6 203



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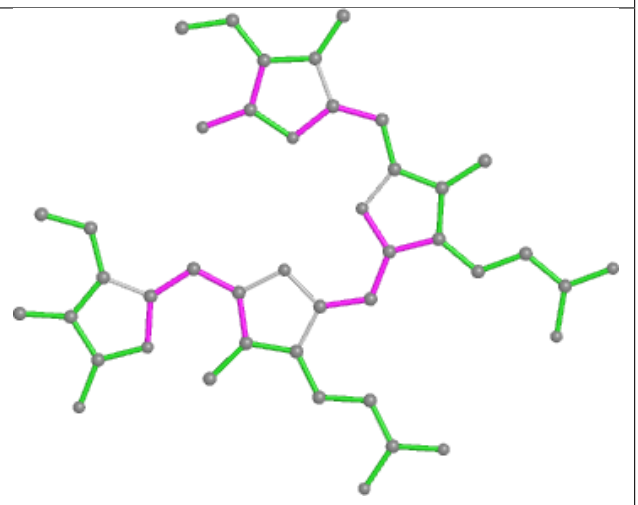

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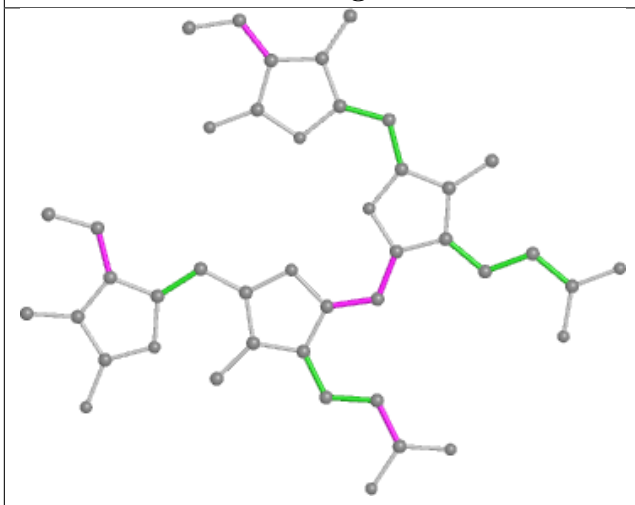

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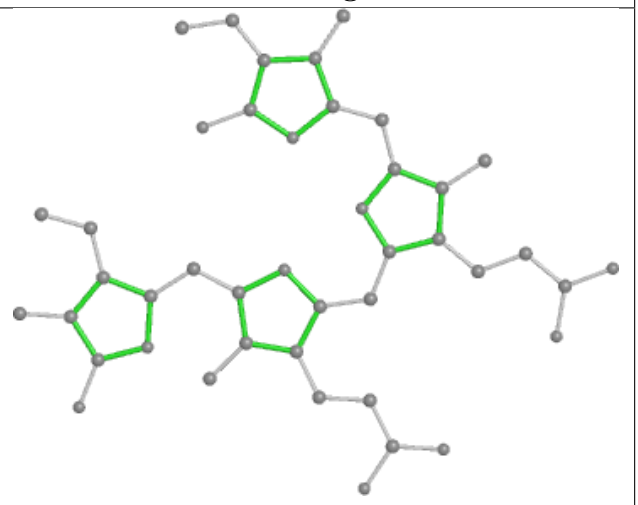
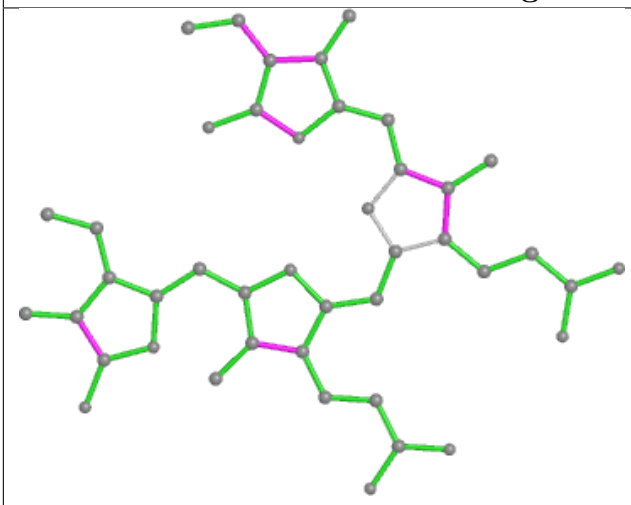


Rings

Ligand PEB r7 202



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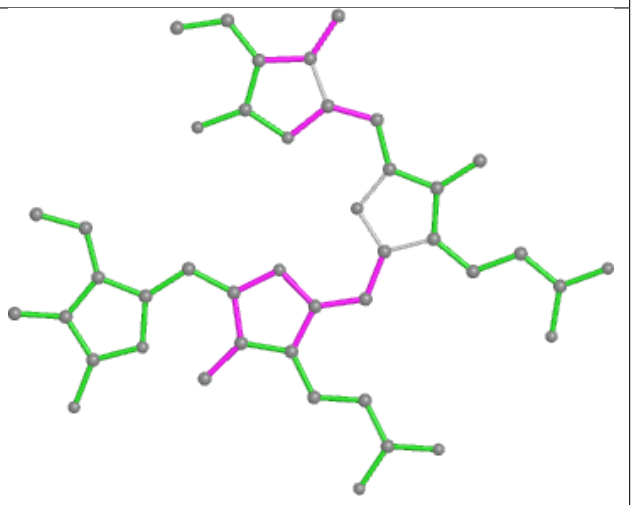

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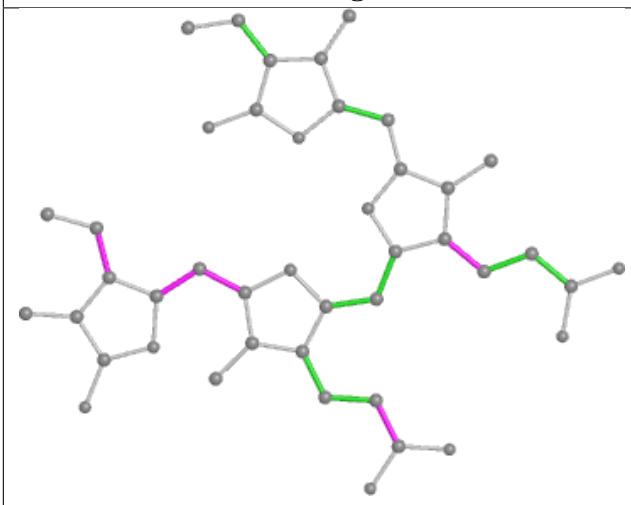

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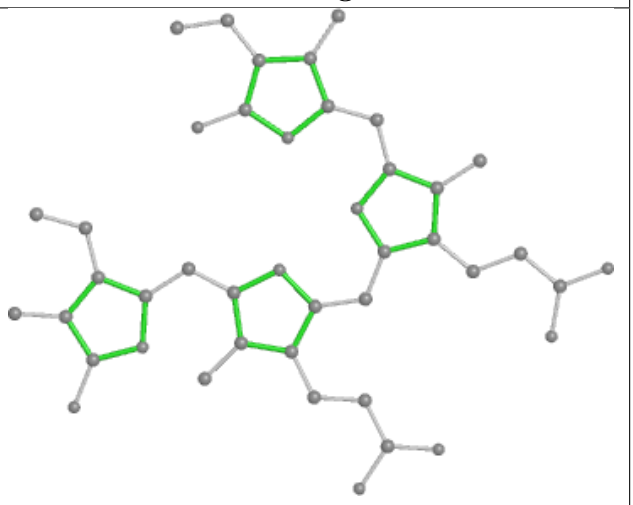
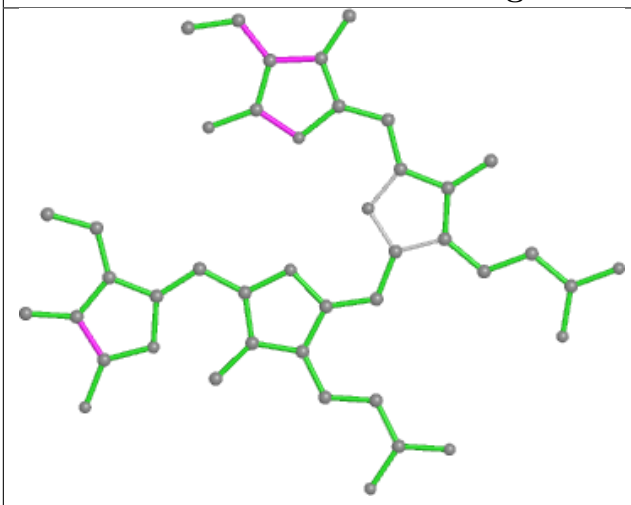


Rings

Ligand PEB A6 1002



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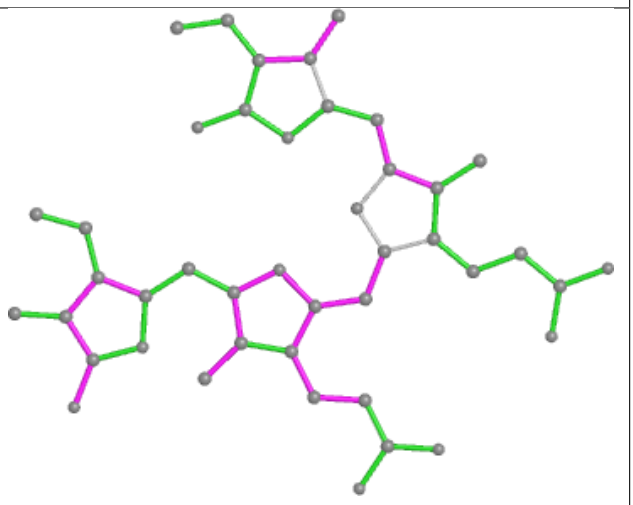
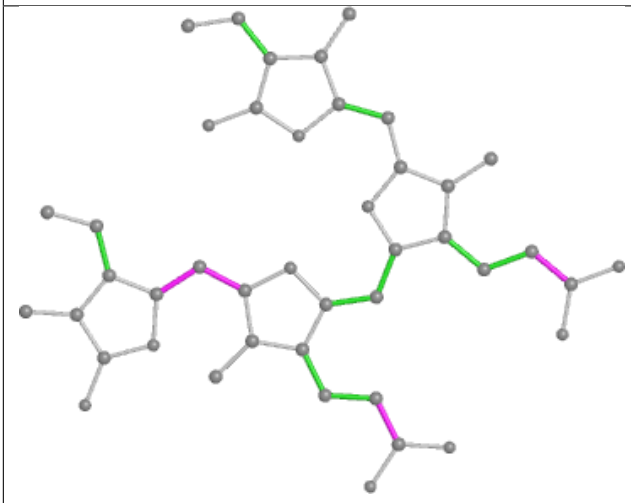


Bond angles



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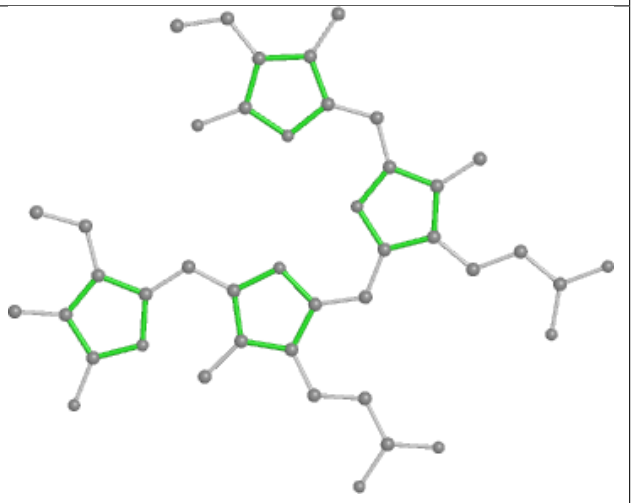
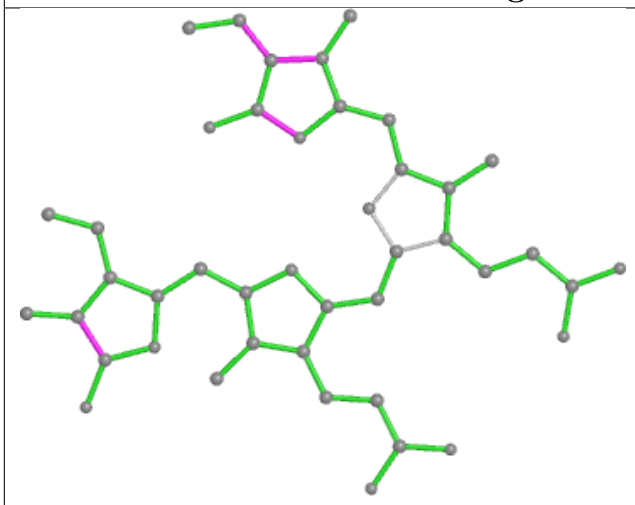


Rings

Ligand PEB O3 1001



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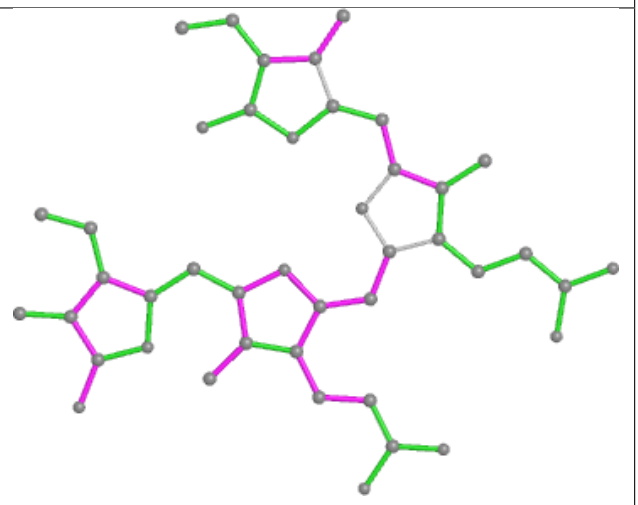
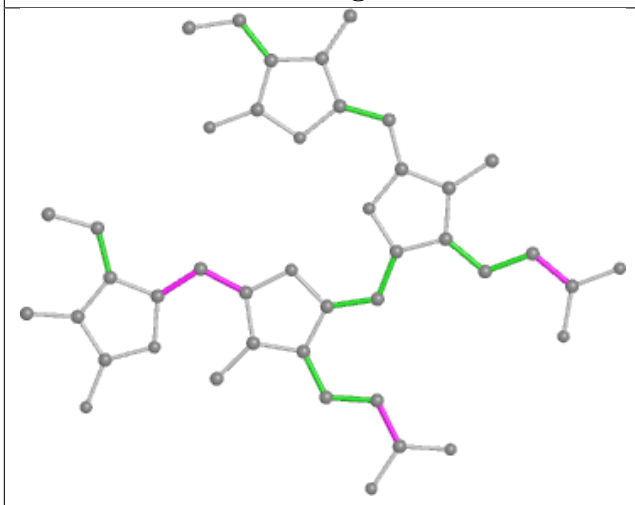
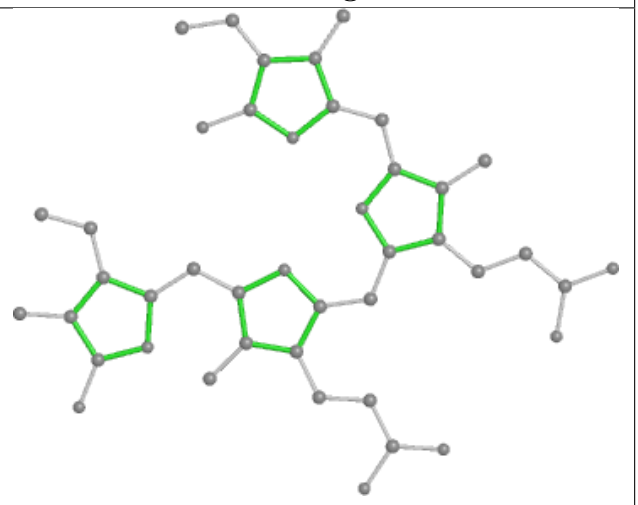


Bond angles

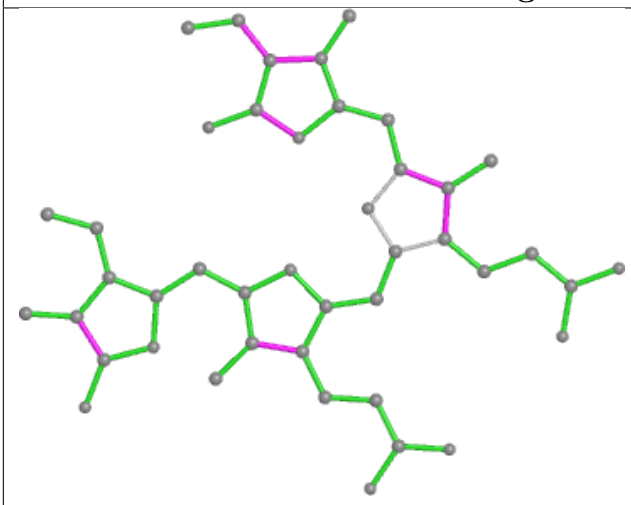


Torsions



Rings

Ligand PEB Z7 202



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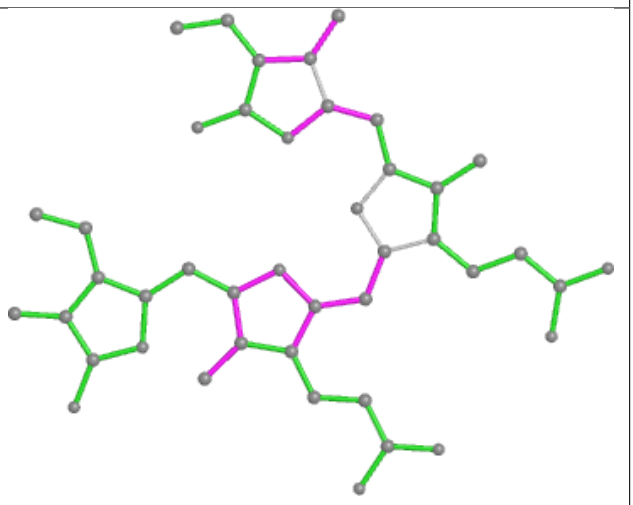

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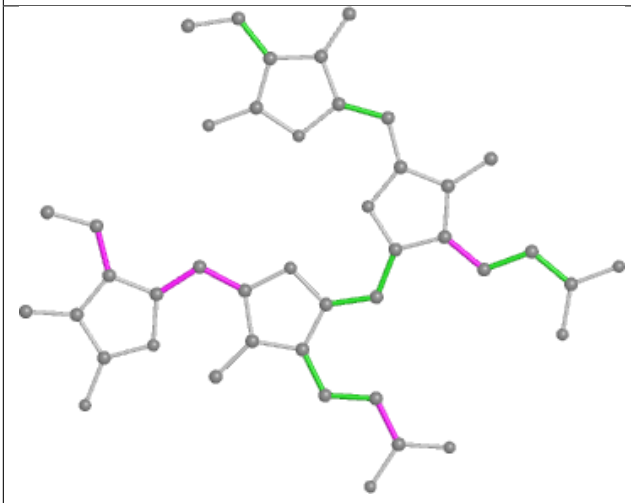

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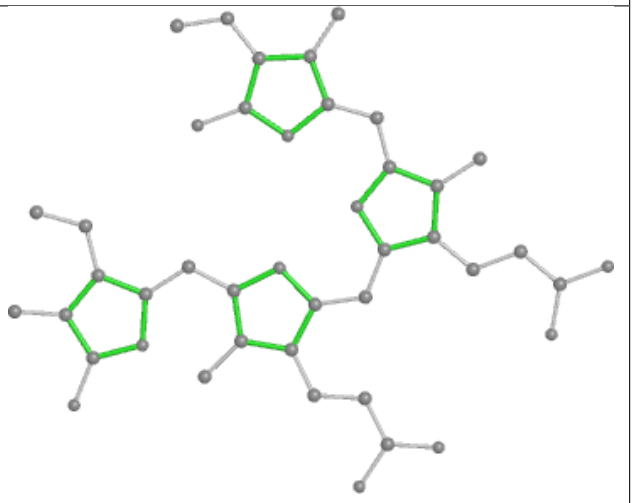
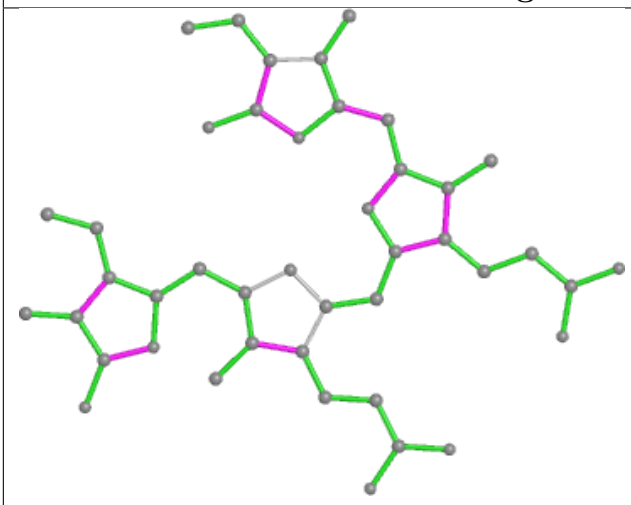


Rings

Ligand PUB p4 203



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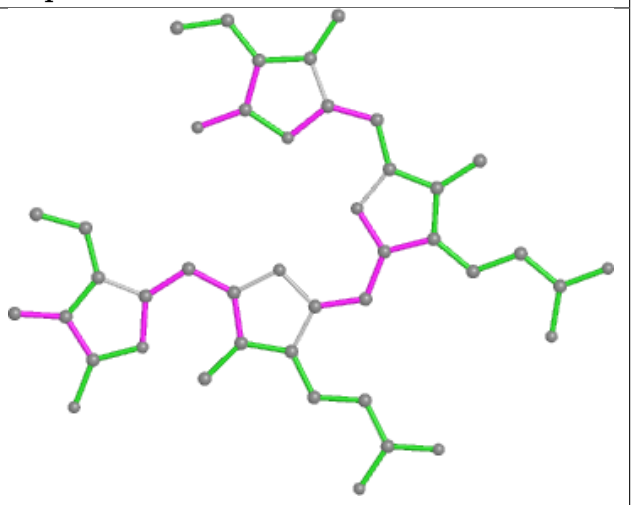

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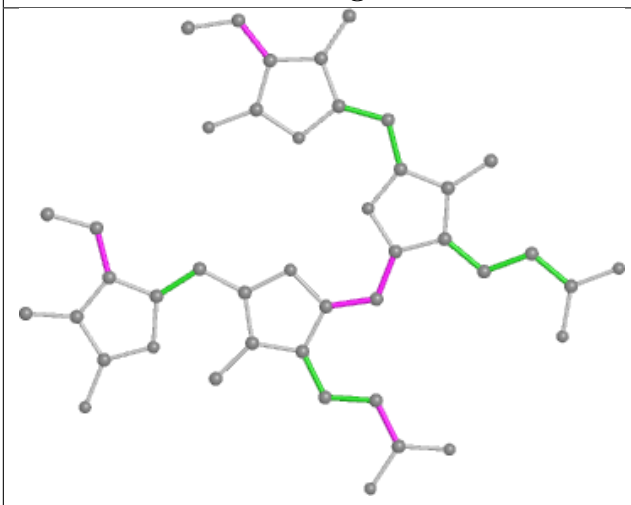

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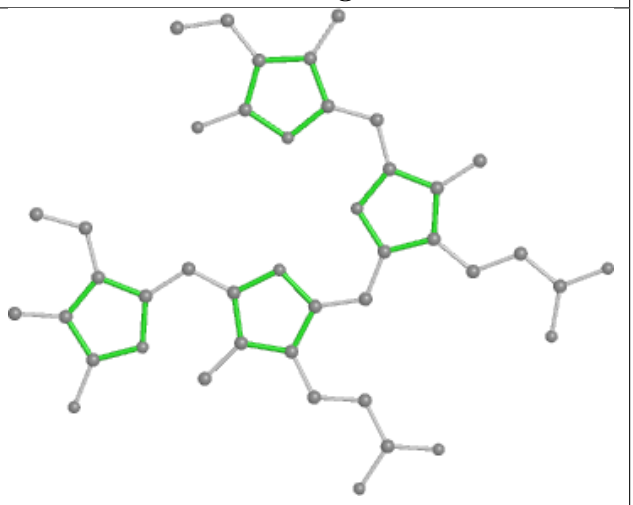
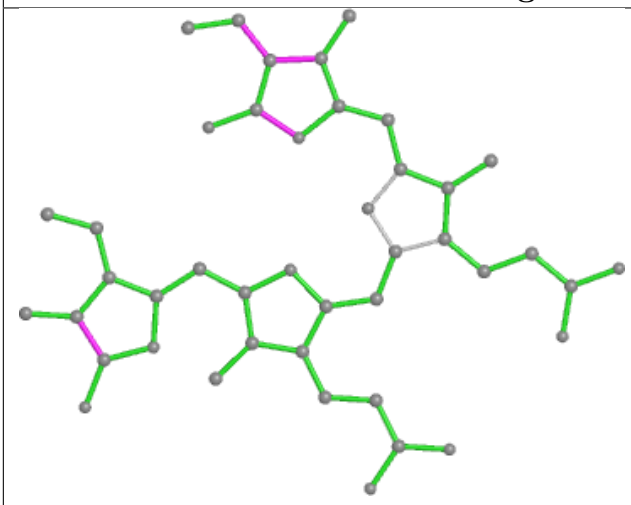


Rings

Ligand PEB Z4 201



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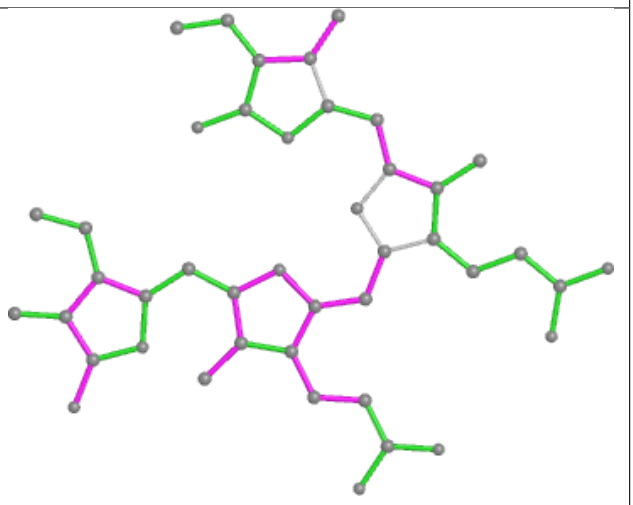

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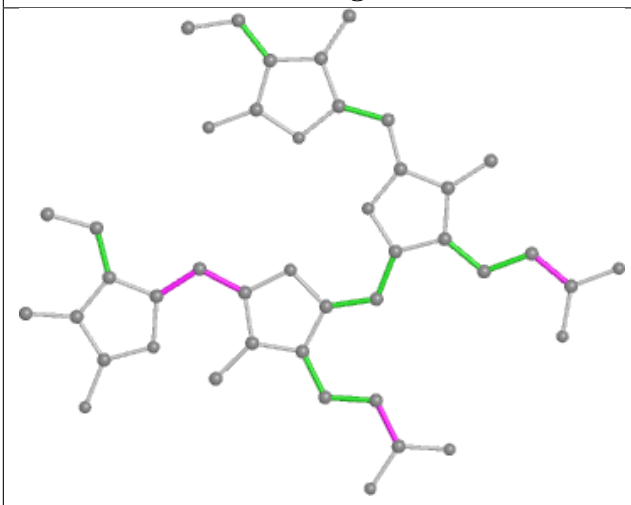

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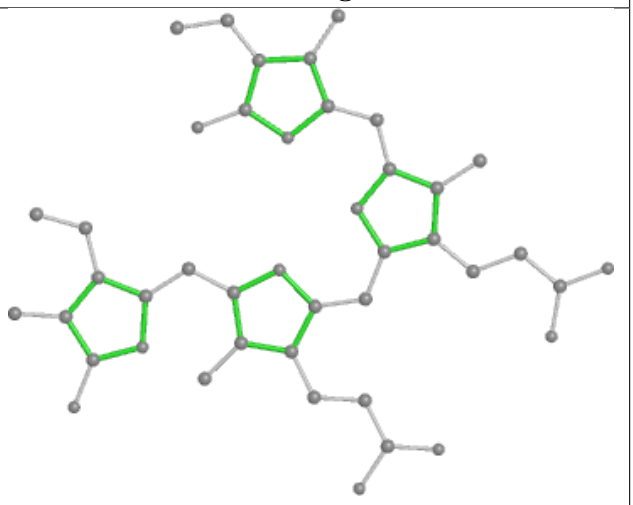
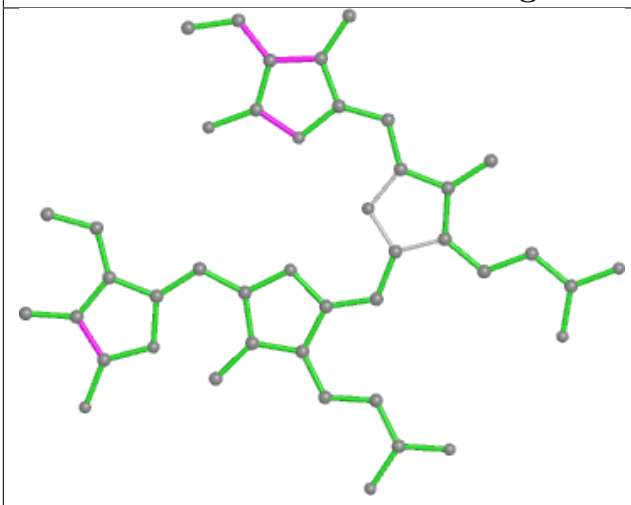


Rings

Ligand PEB J5 201



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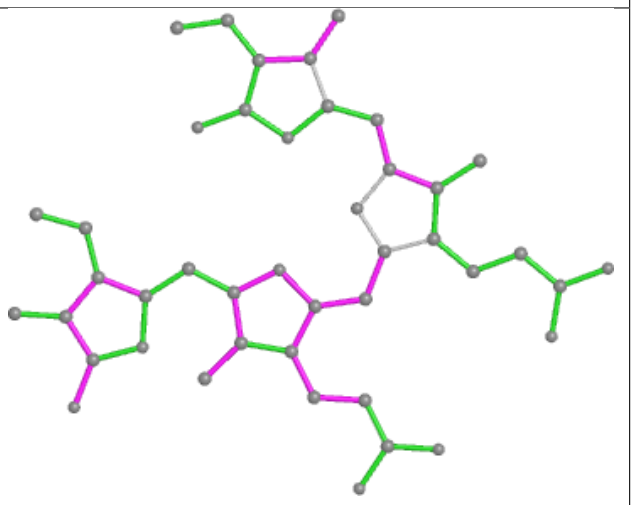

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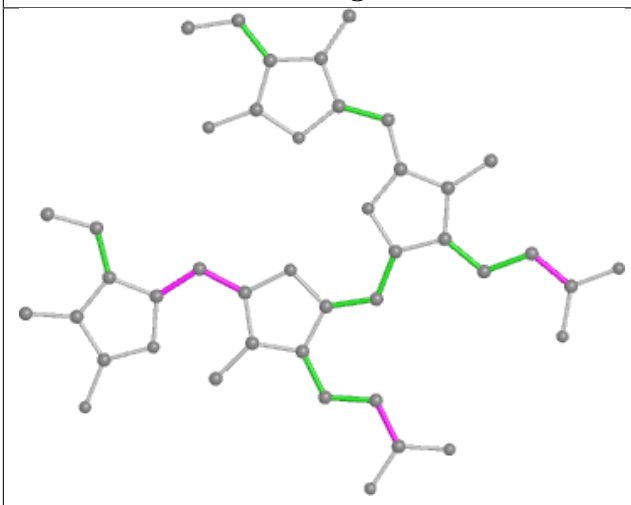

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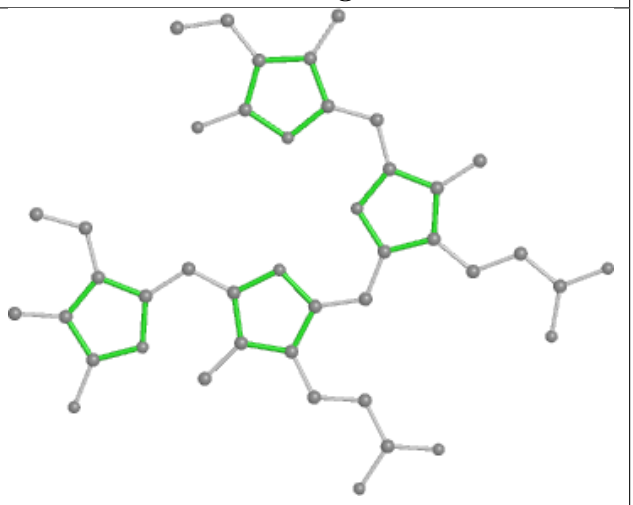
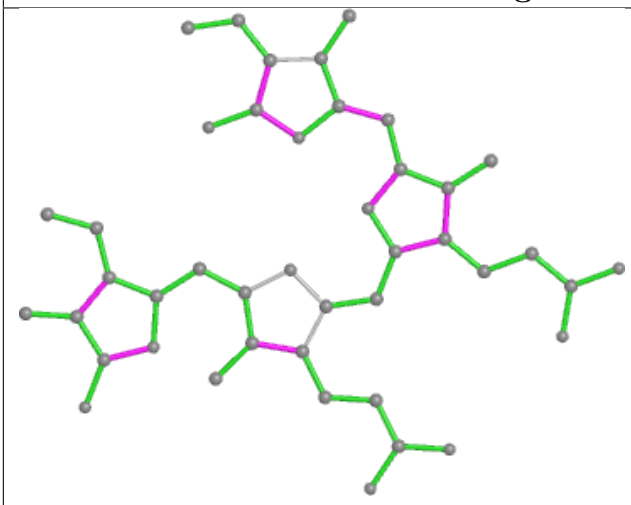


Rings

Ligand PUB dF 203



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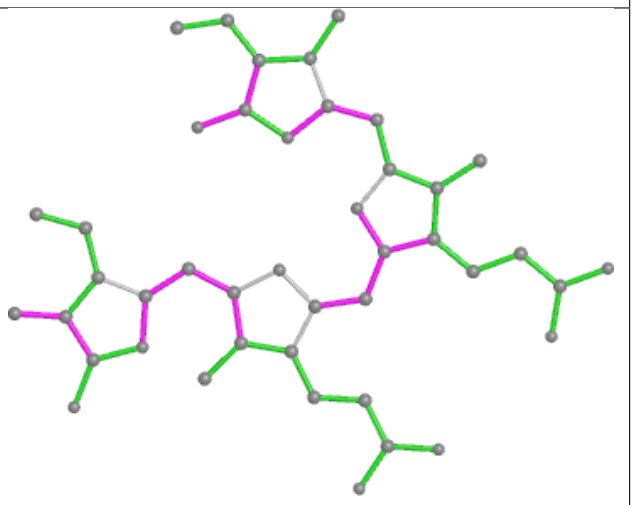

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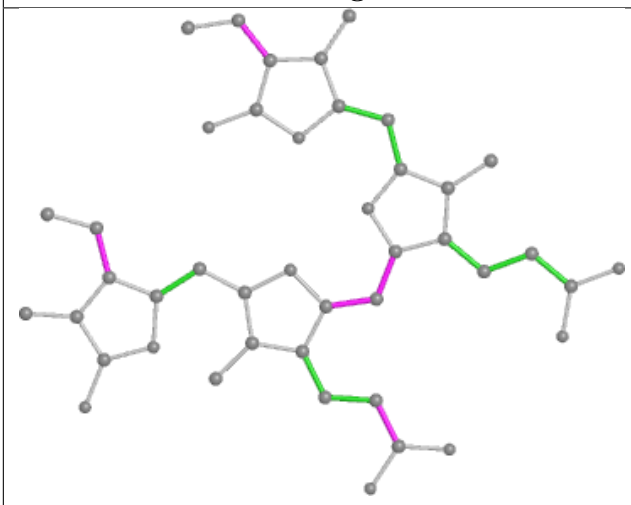

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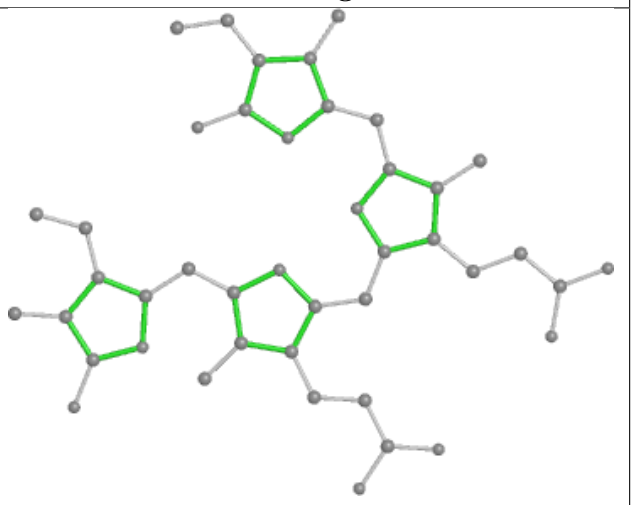
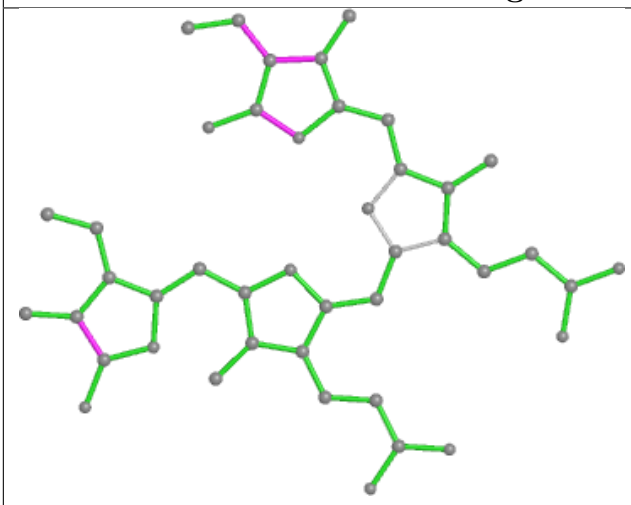


Rings

Ligand PEB O4 1002



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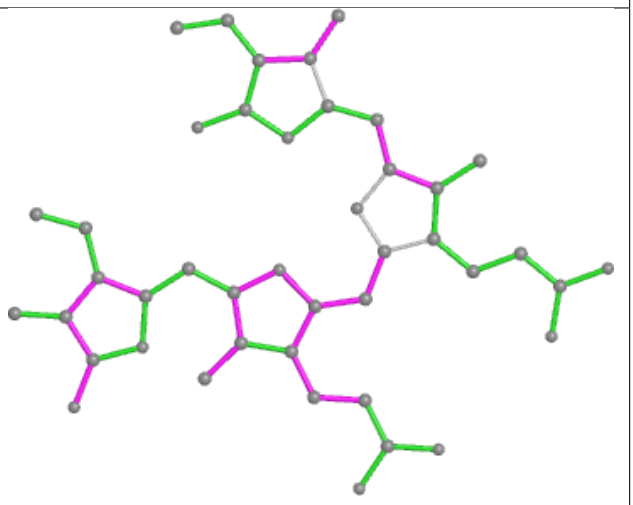

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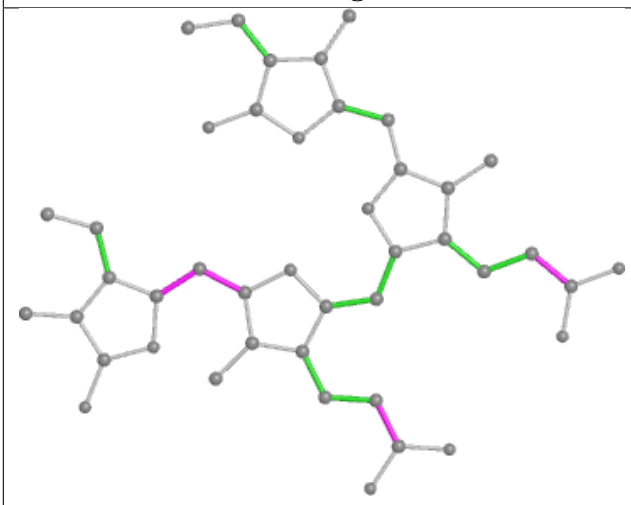

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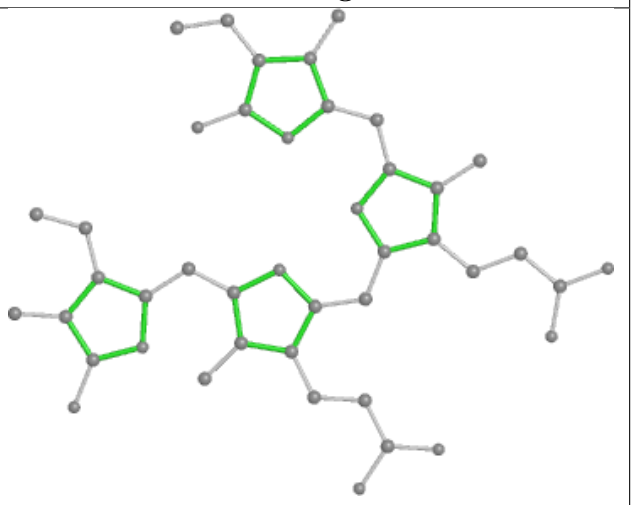
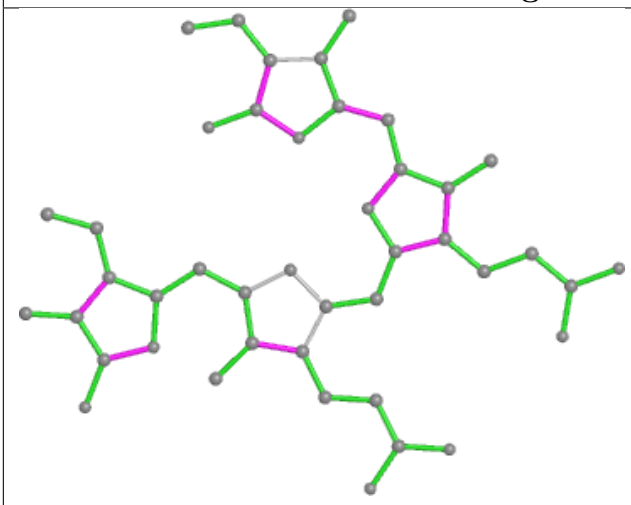


Rings

Ligand PUB gi 203



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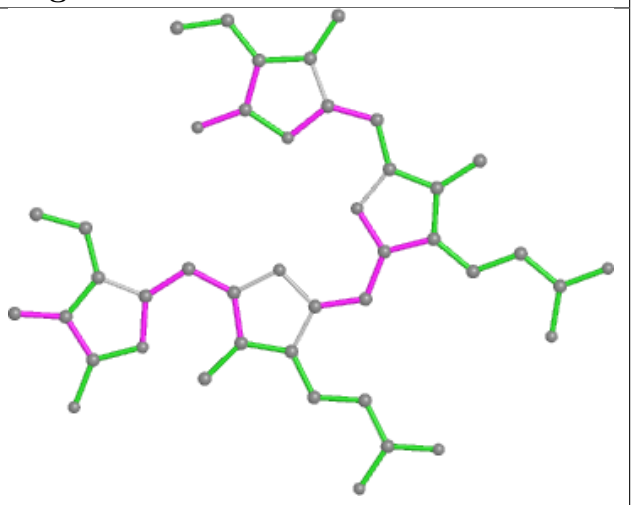

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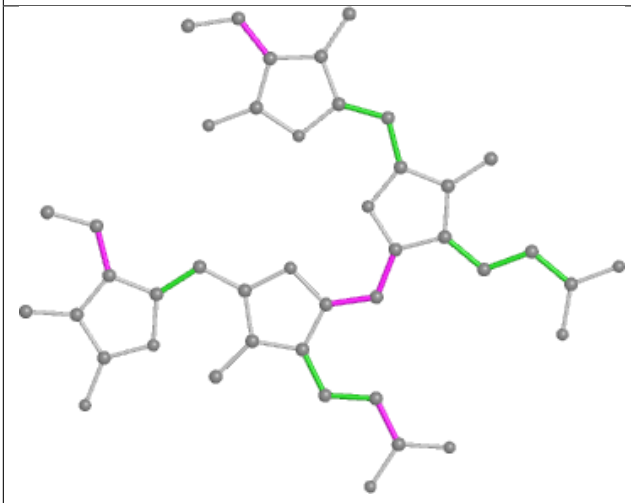

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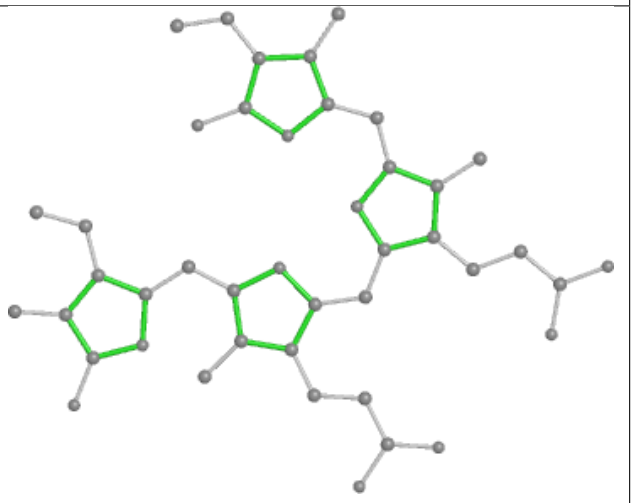
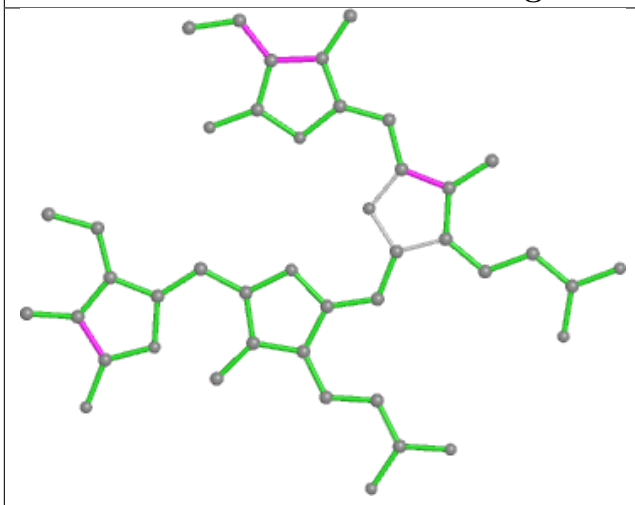


Rings

Ligand PEB lg 201



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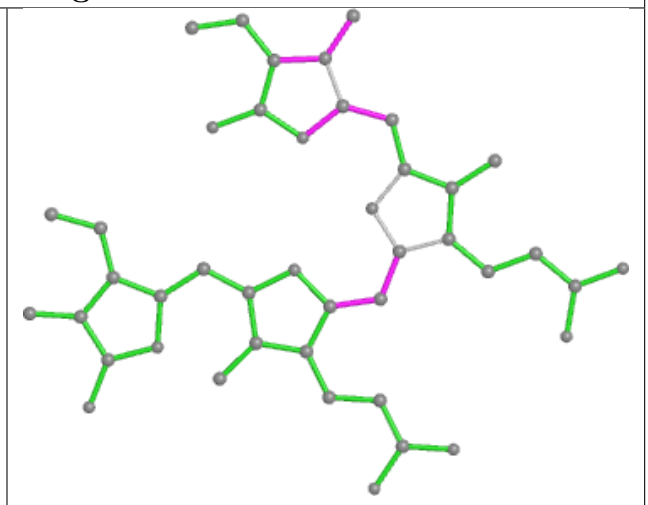

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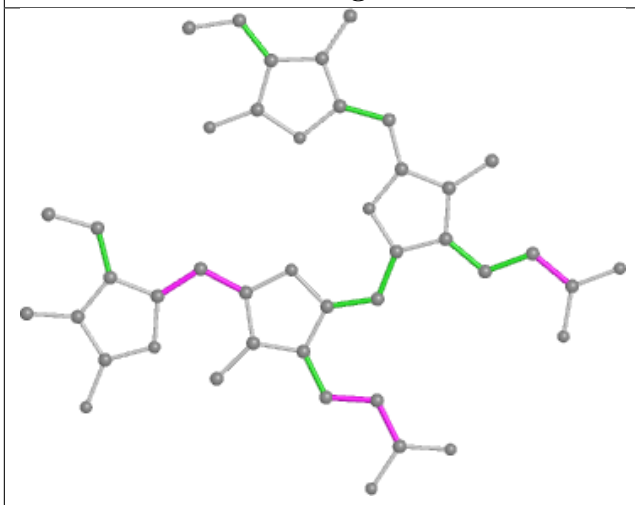

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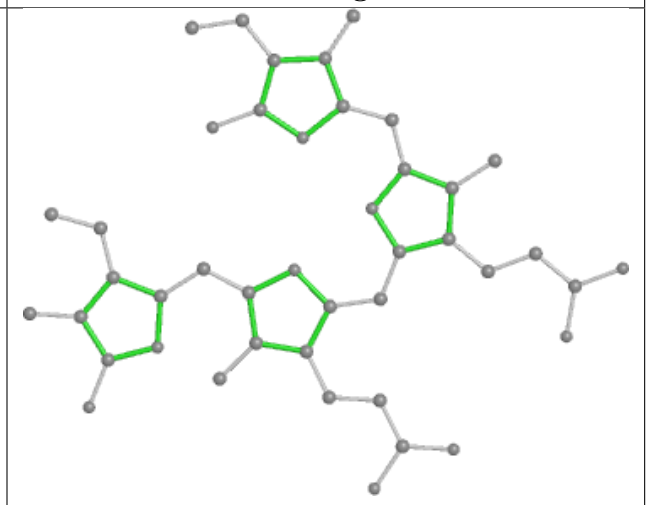
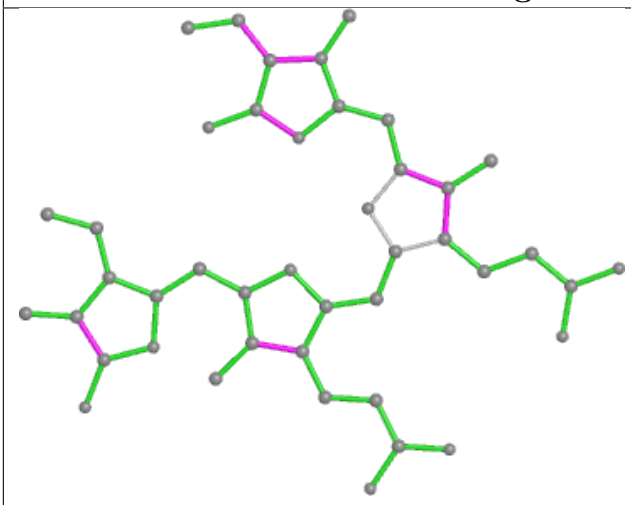


Rings

Ligand PEB bQ 203



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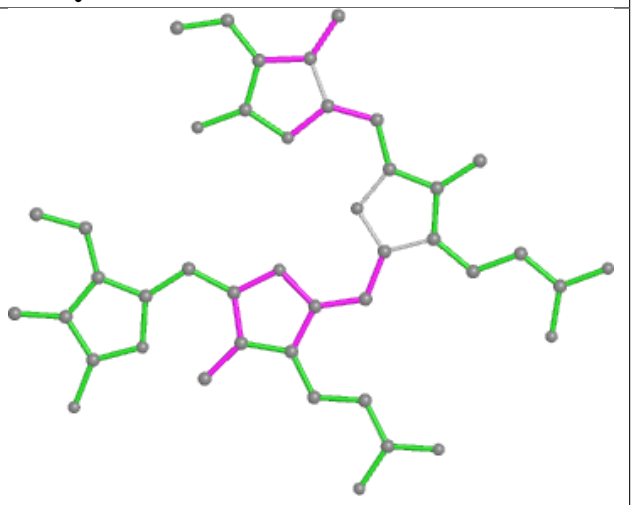

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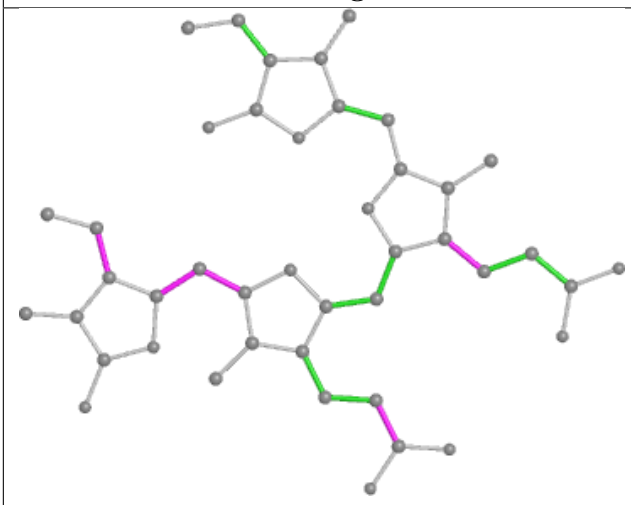

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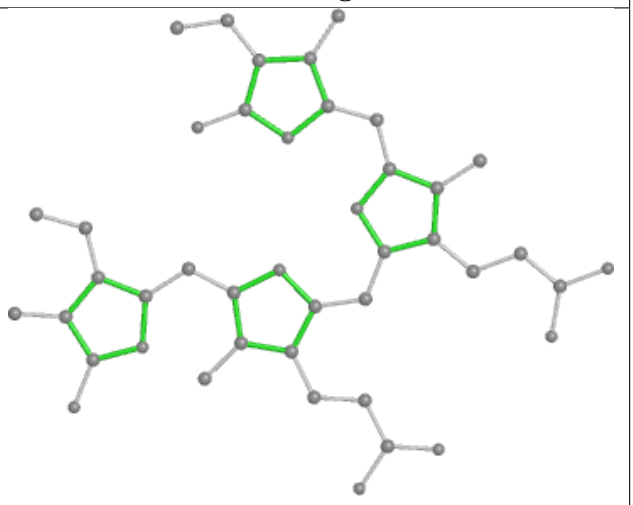
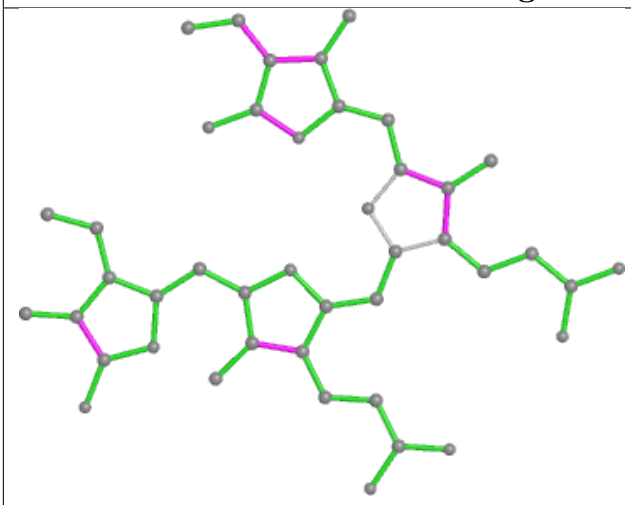


Rings

Ligand PEB L2 202



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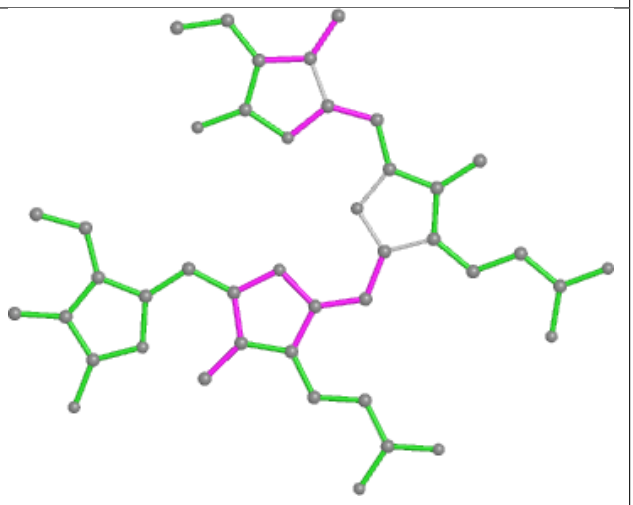

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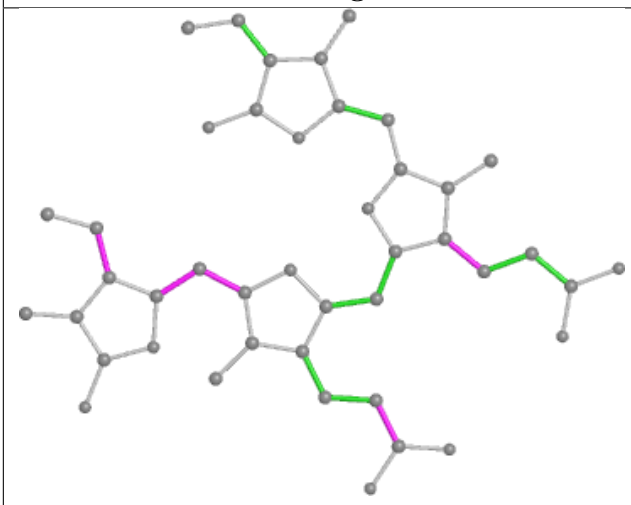

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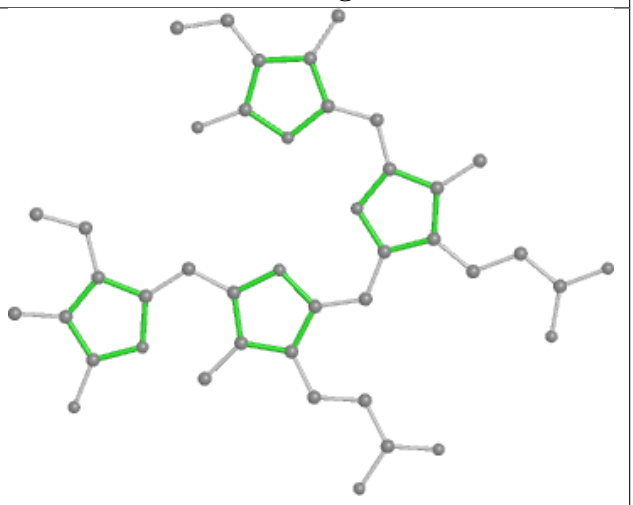
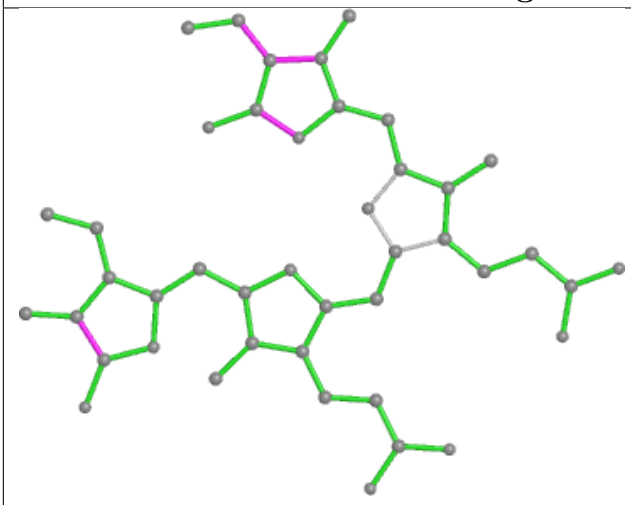


Rings

Ligand PEB cA 201



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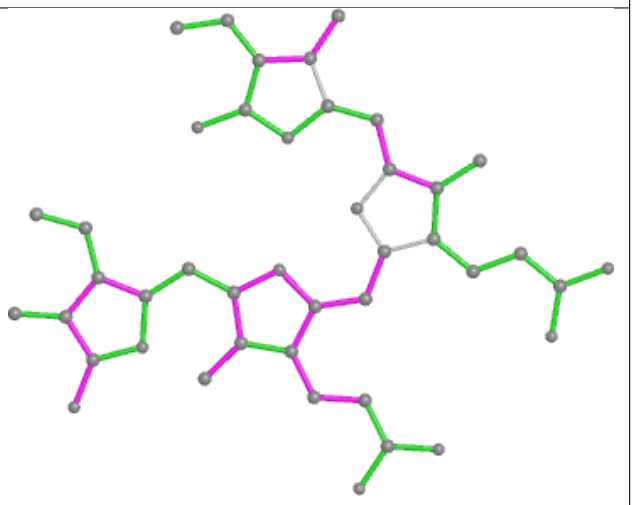

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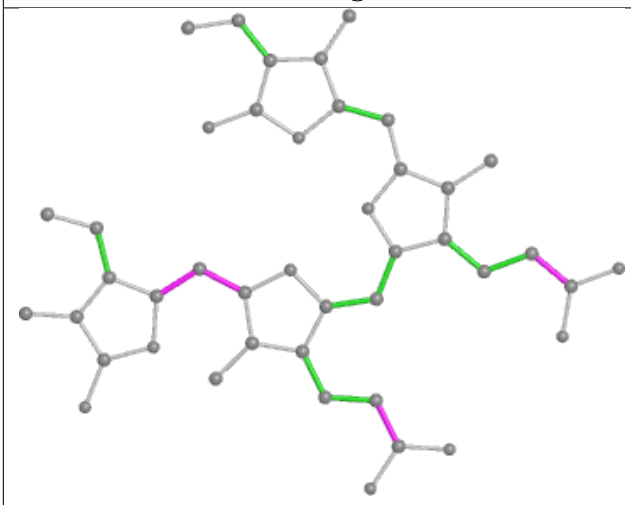

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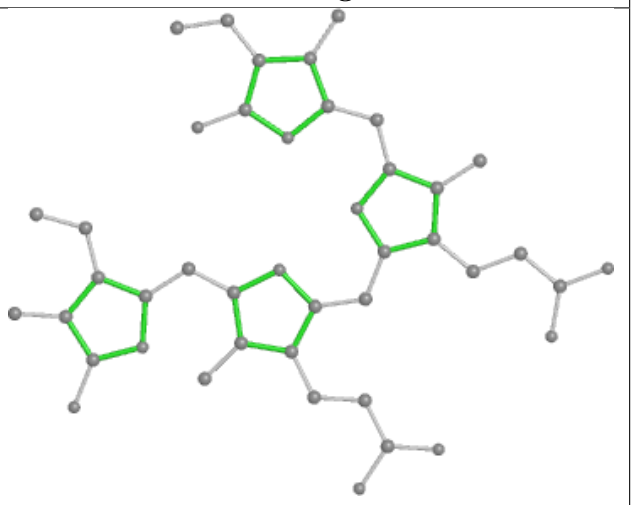
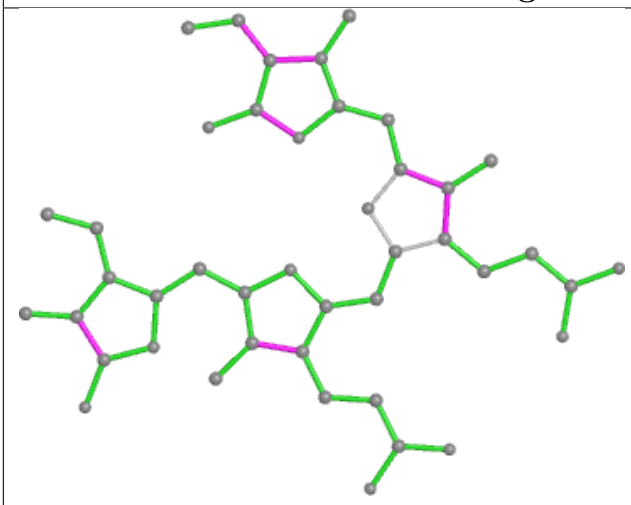


Rings

Ligand PEB hJ 202



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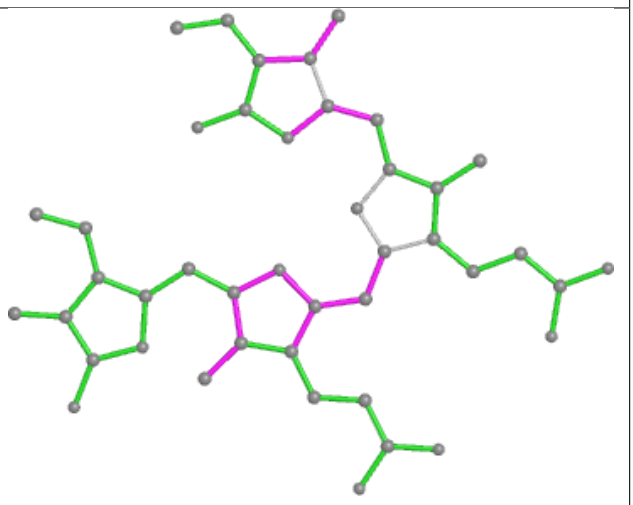

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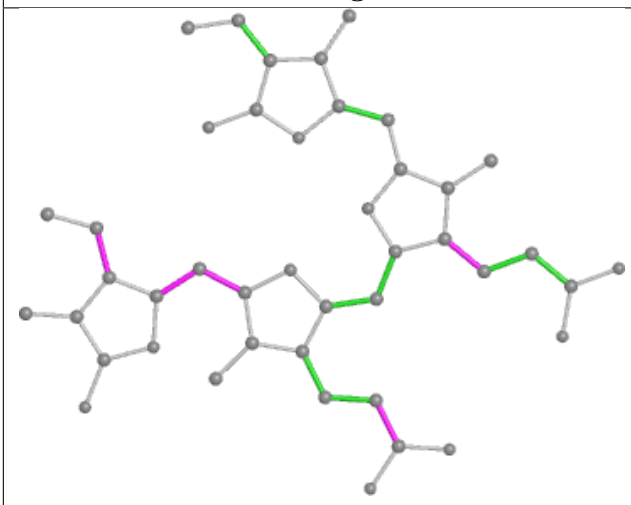

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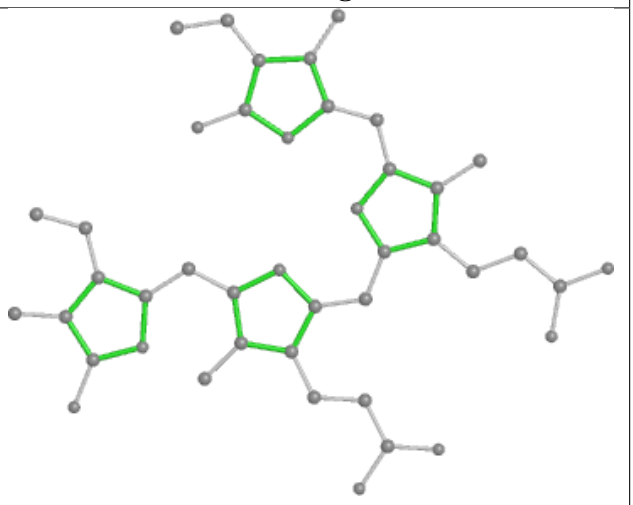
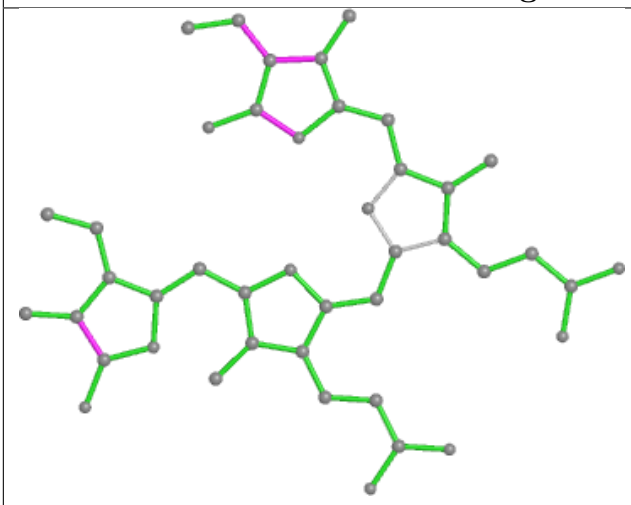


Rings

Ligand PEB o9 201



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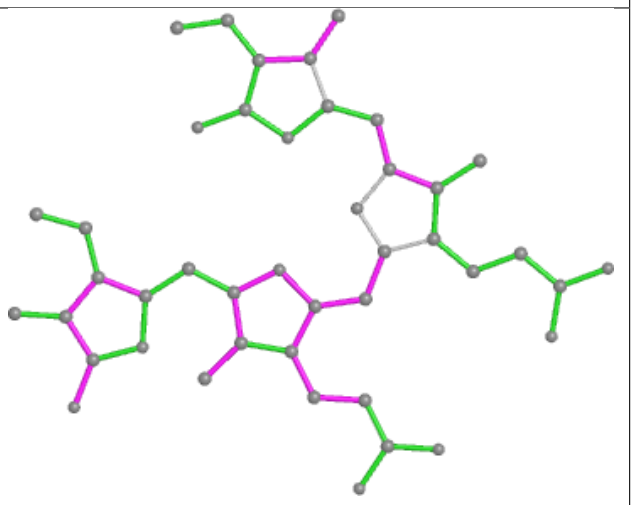
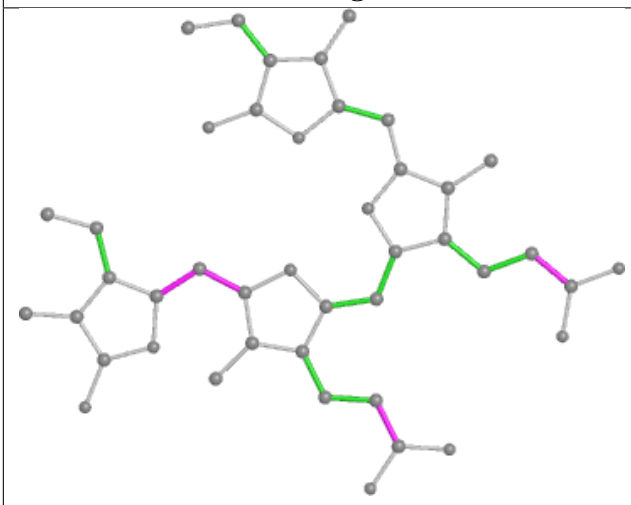


Bond angles



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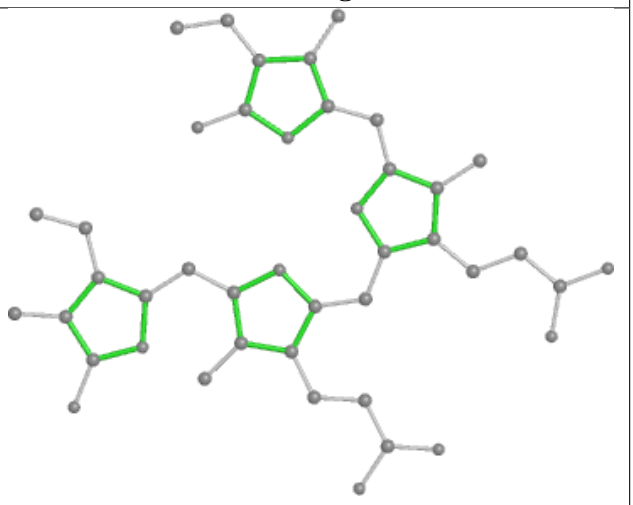
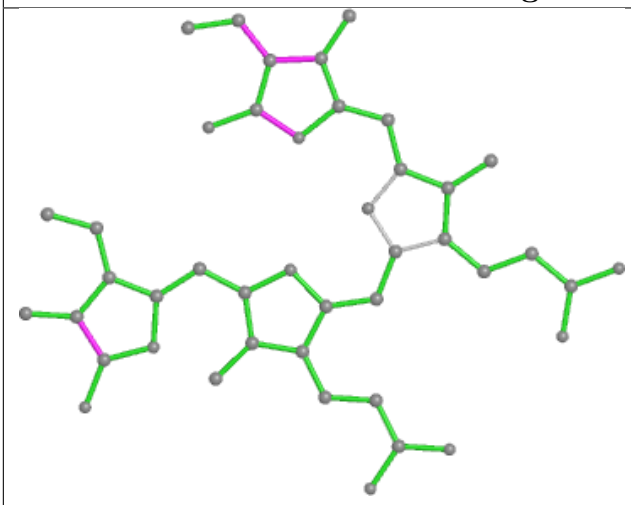
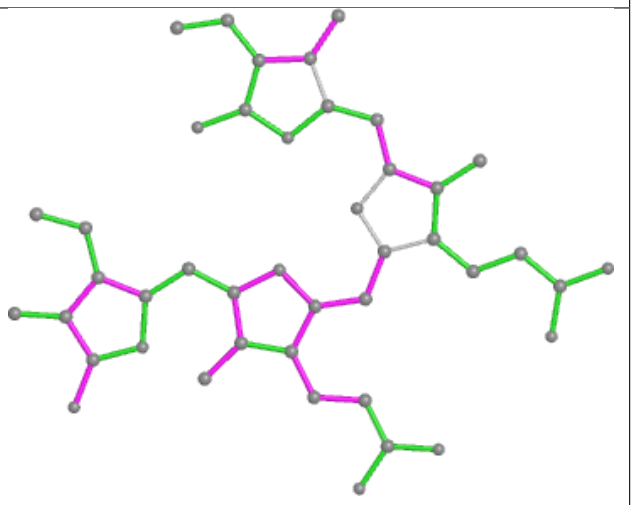


Rings

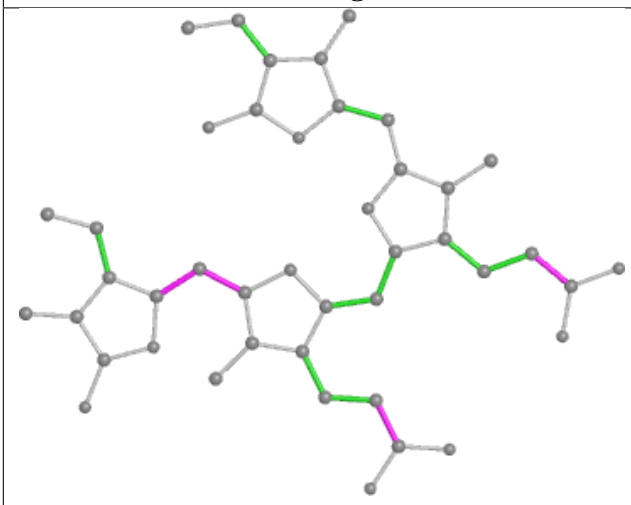
Ligand PEB r6 201



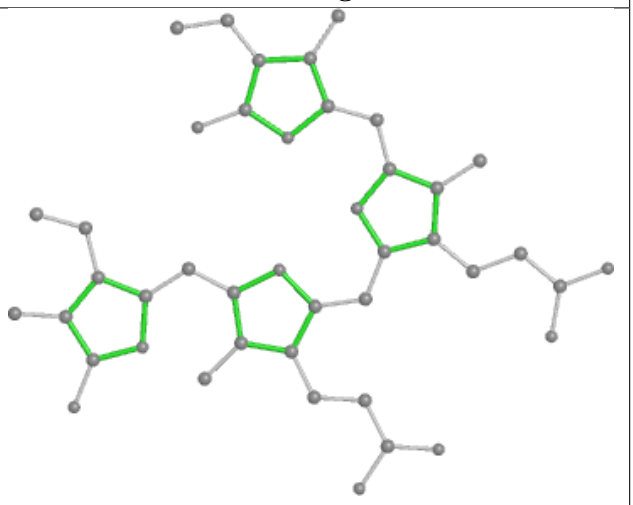
Bond lengths



Bond angles

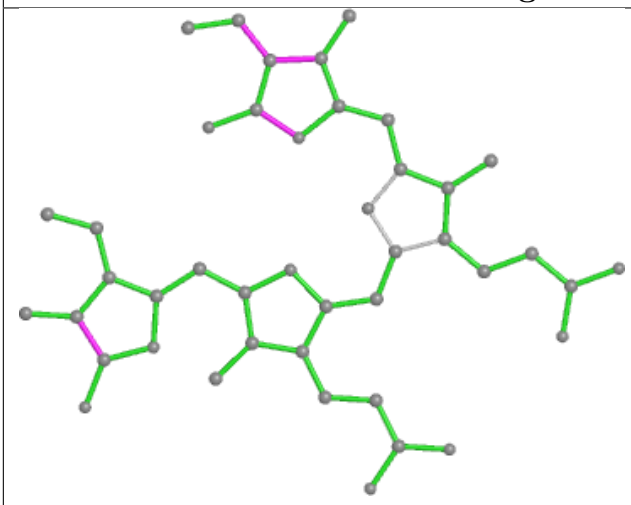


Torsions



Rings

Ligand PEB h7 201



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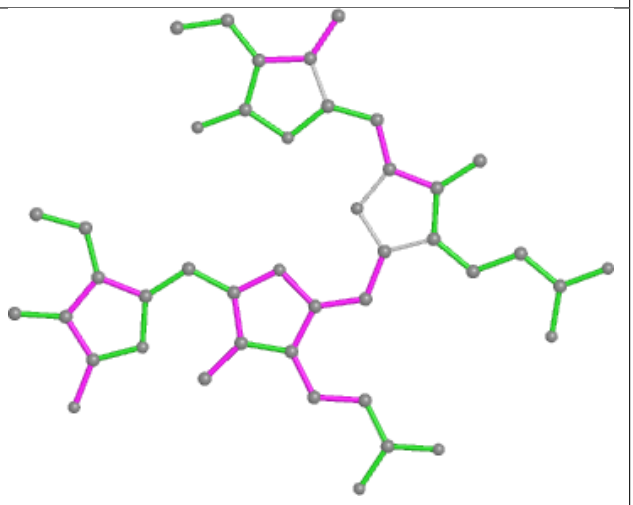

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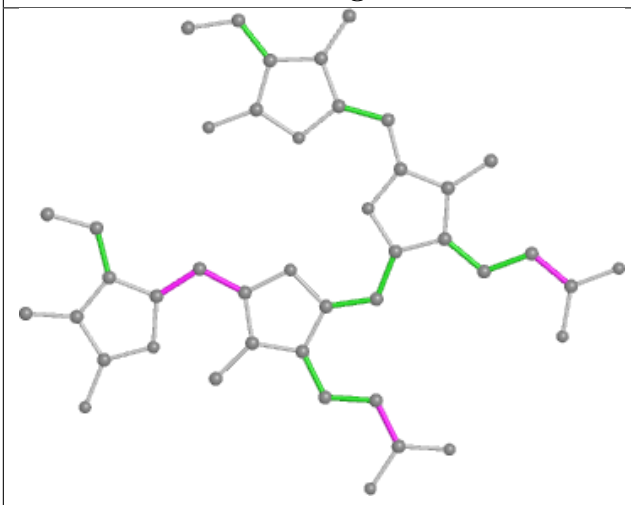

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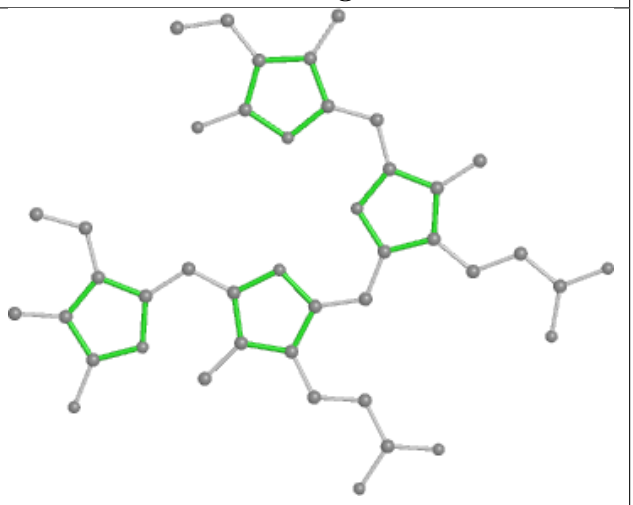
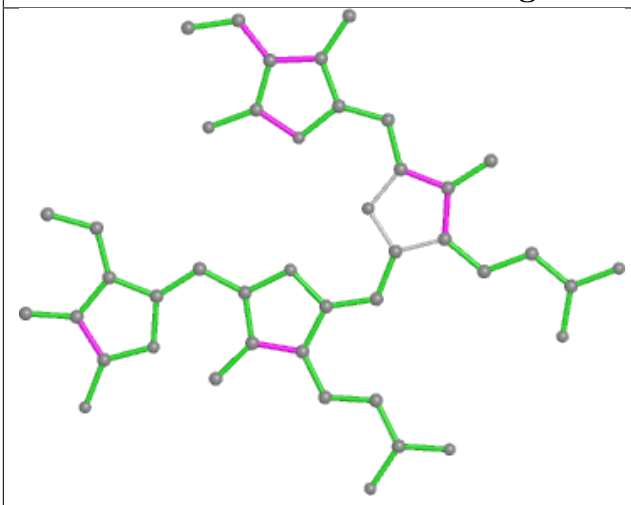


Rings

Ligand PEB n7 202



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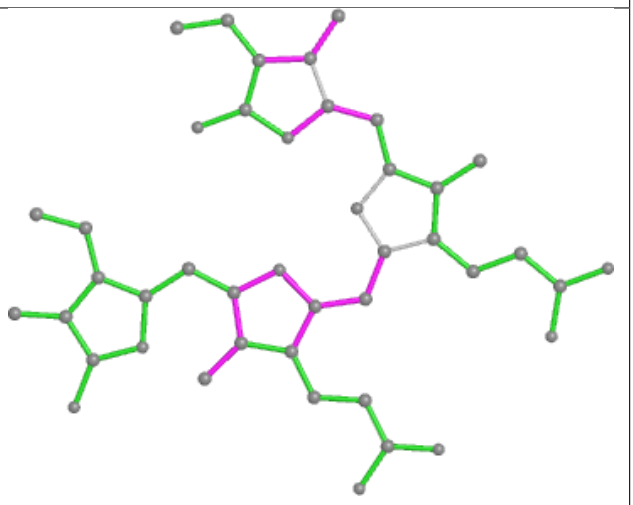

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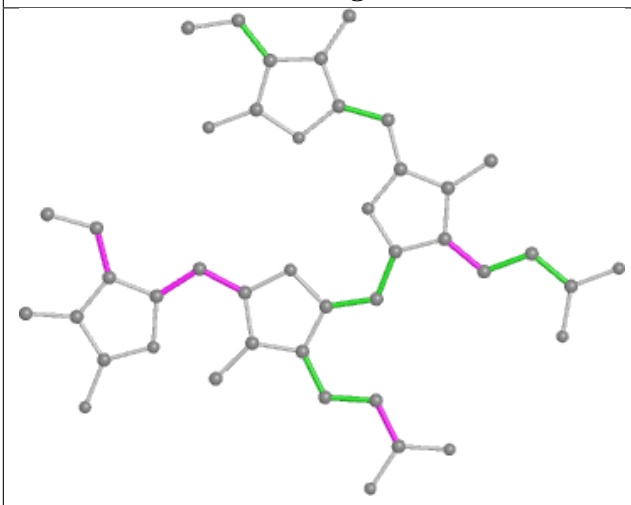

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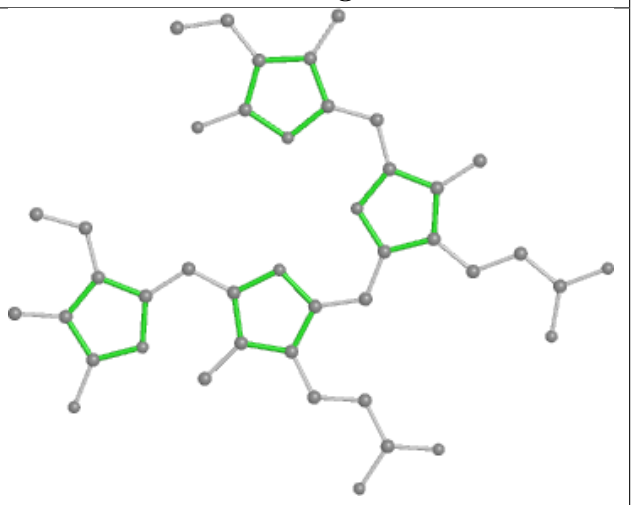
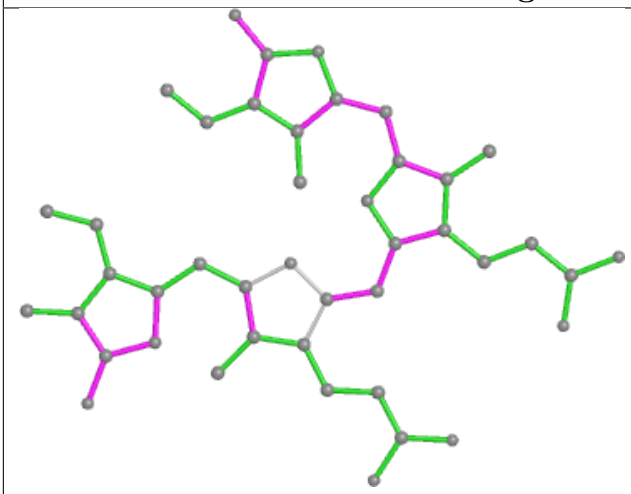


Rings

Ligand PVN gz 304



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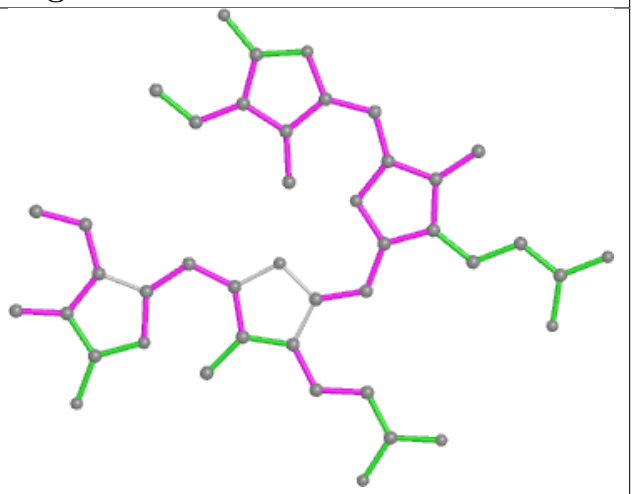

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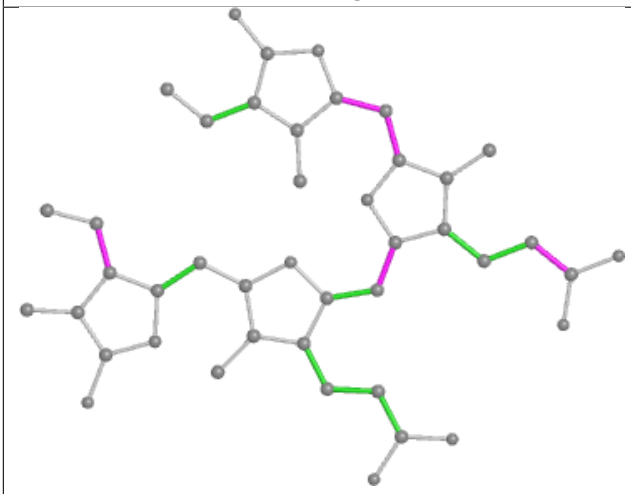

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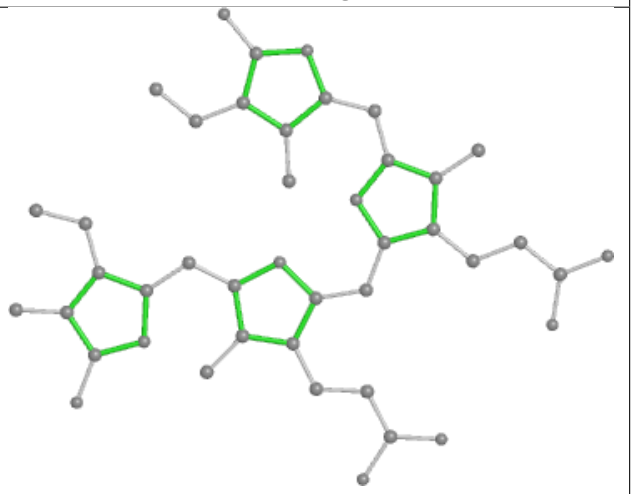
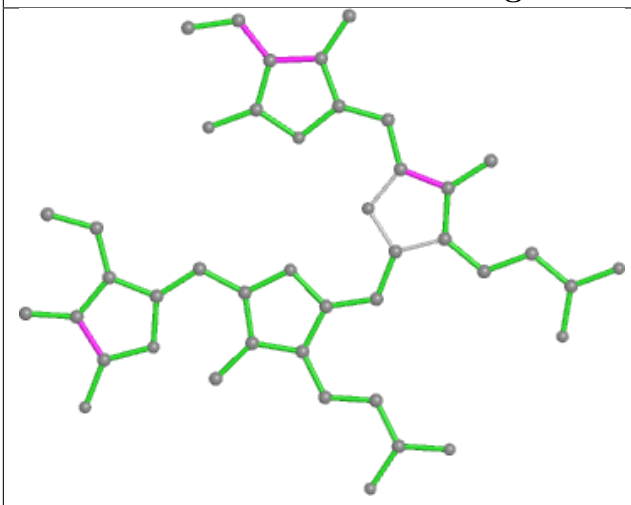


Rings

Ligand PEB gm 1002



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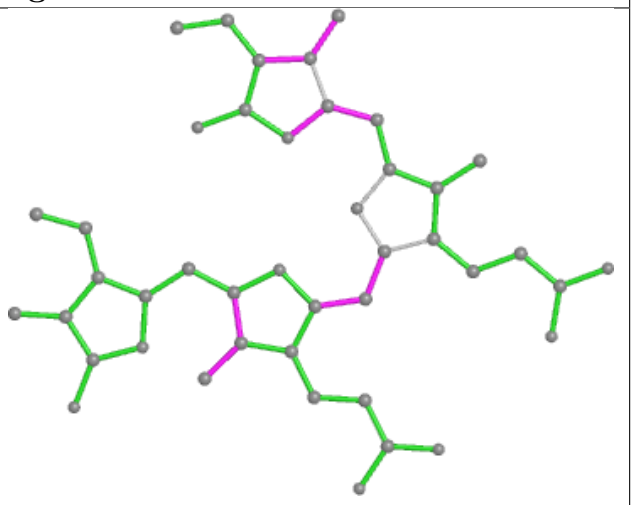

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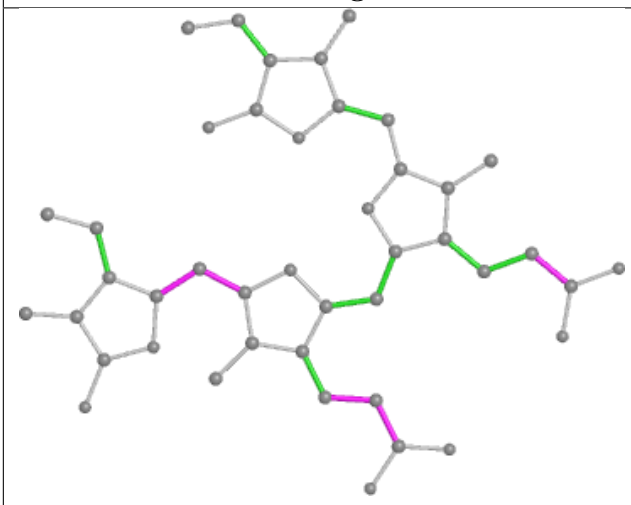

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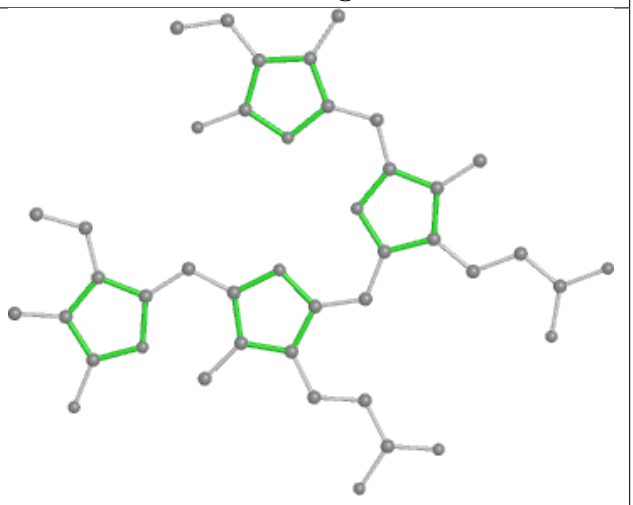
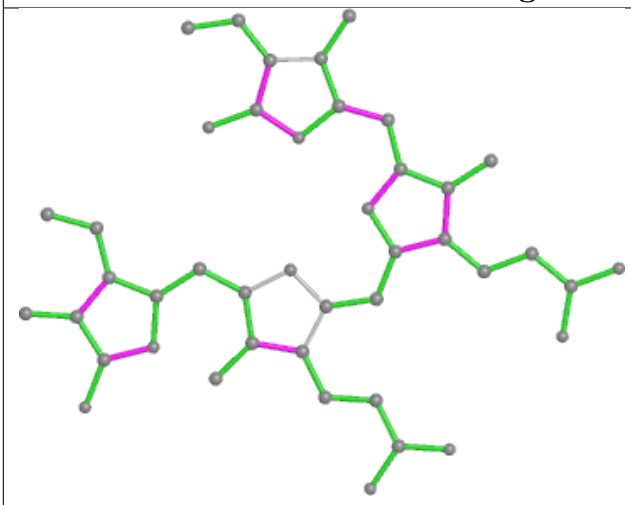


Rings

Ligand PUB c9 304



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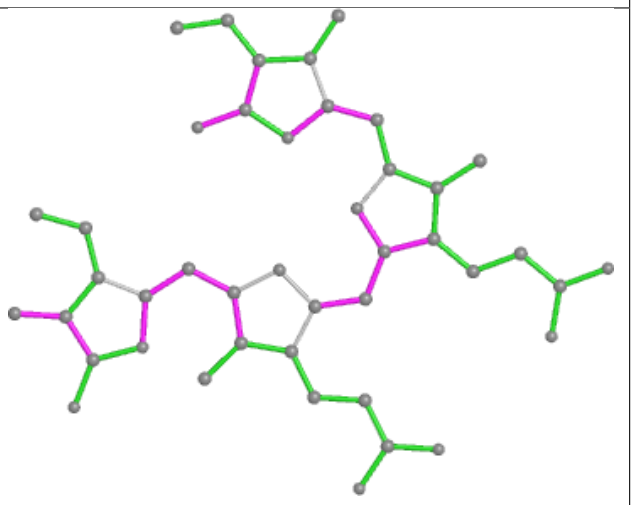

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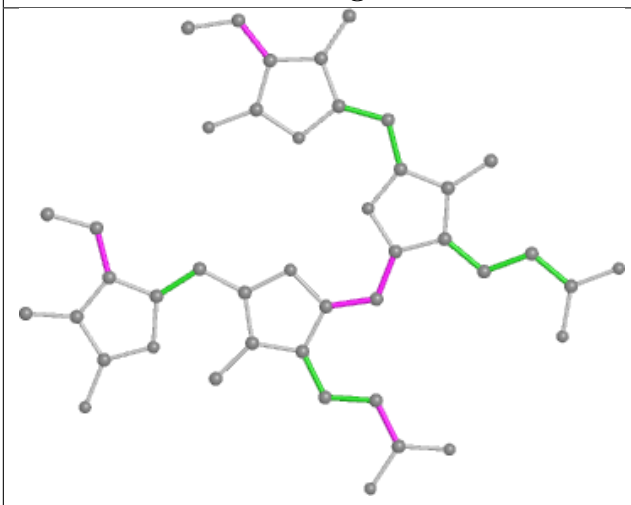

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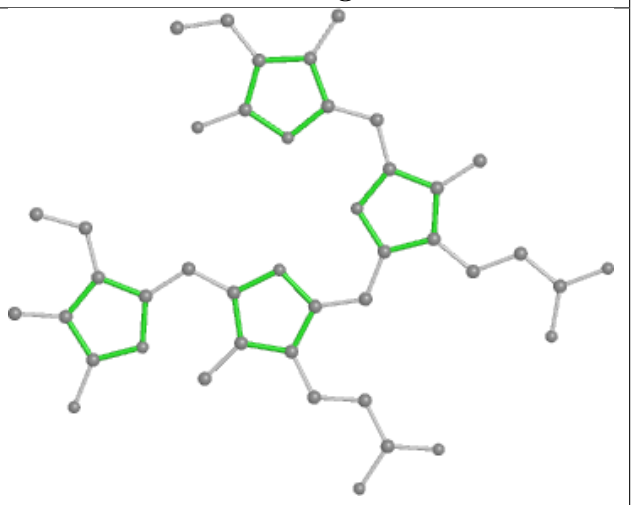
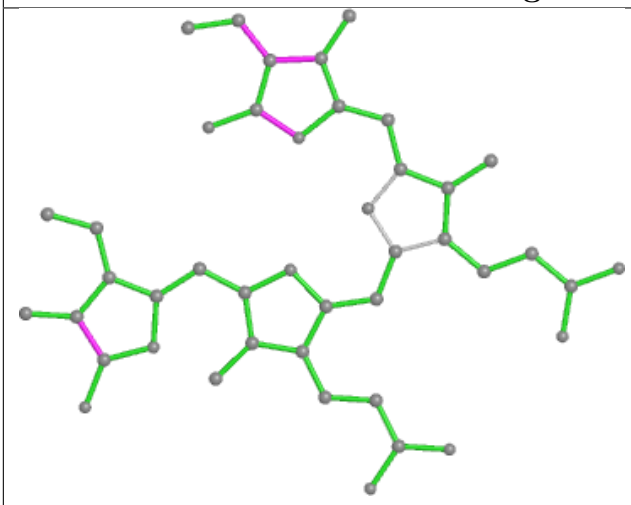


Rings

Ligand PEB ly 401



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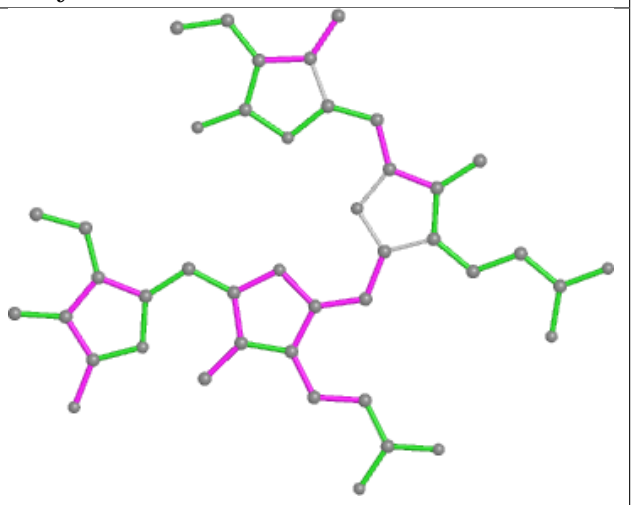

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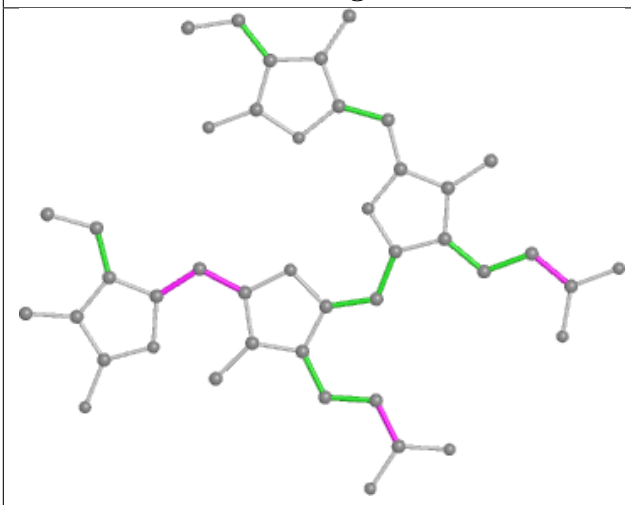

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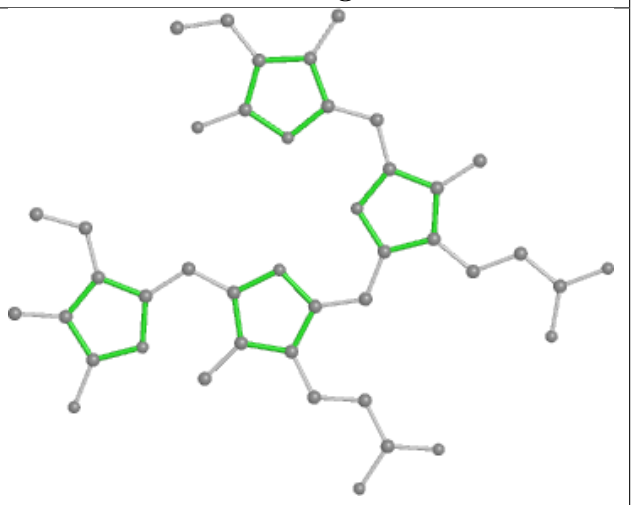
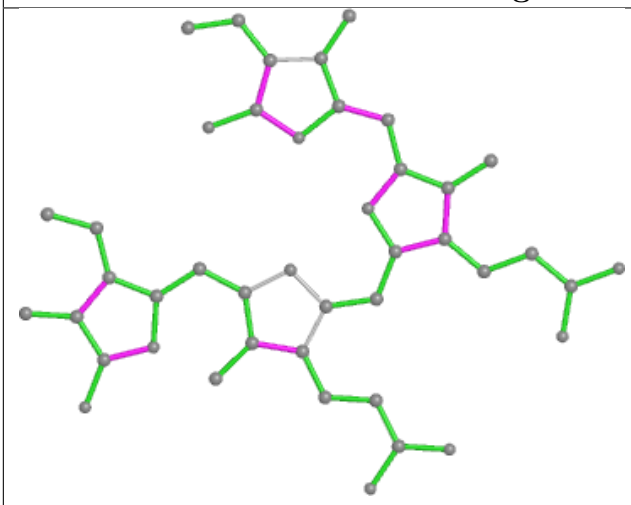


Rings

Ligand PUB H5 202



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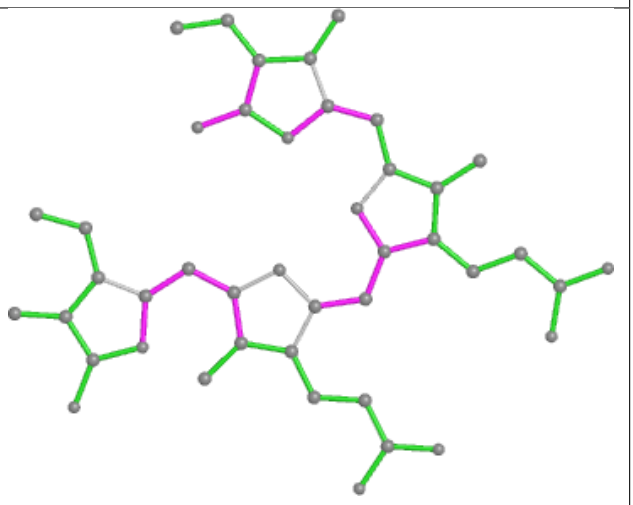

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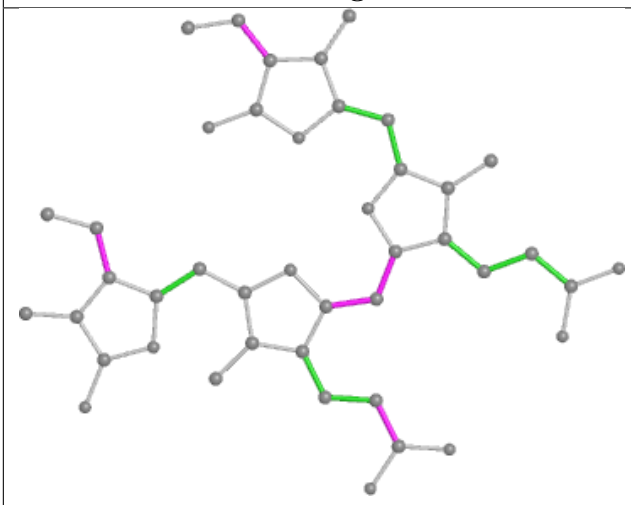

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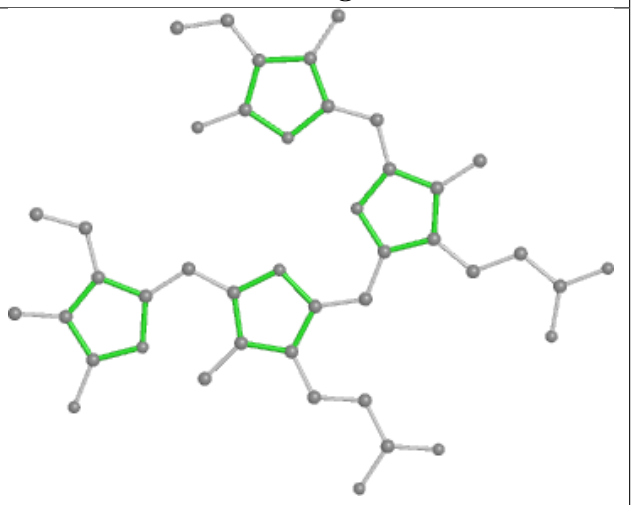
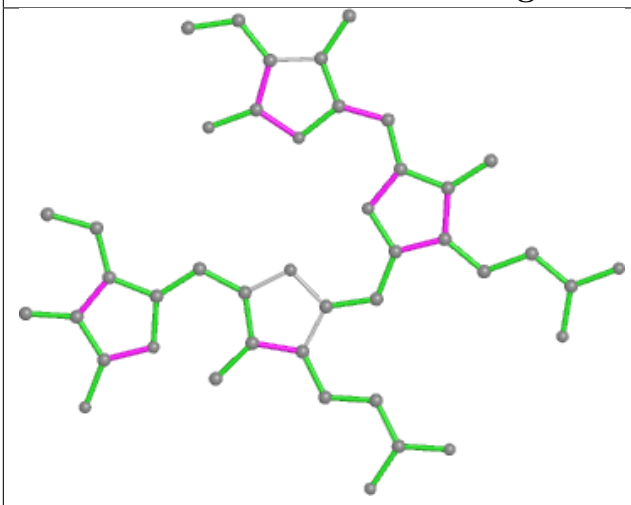


Rings

Ligand PUB v9 203



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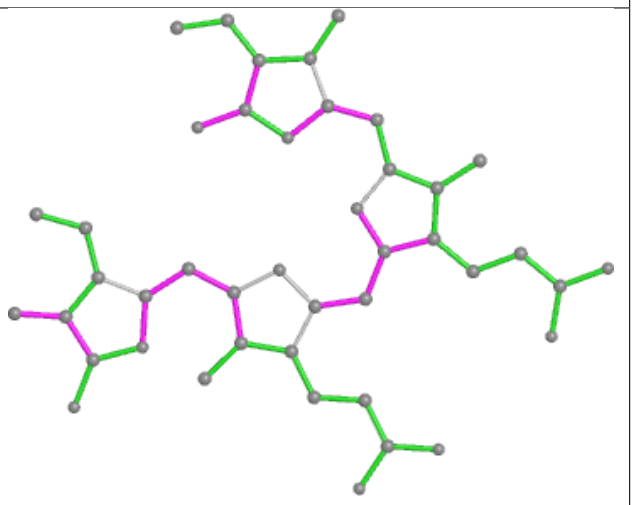

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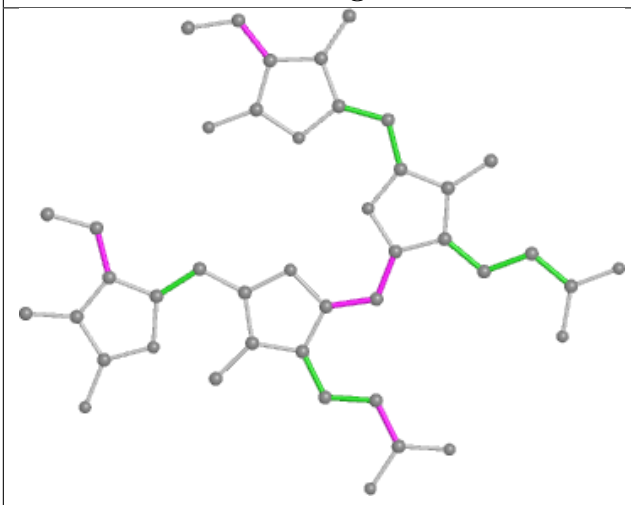

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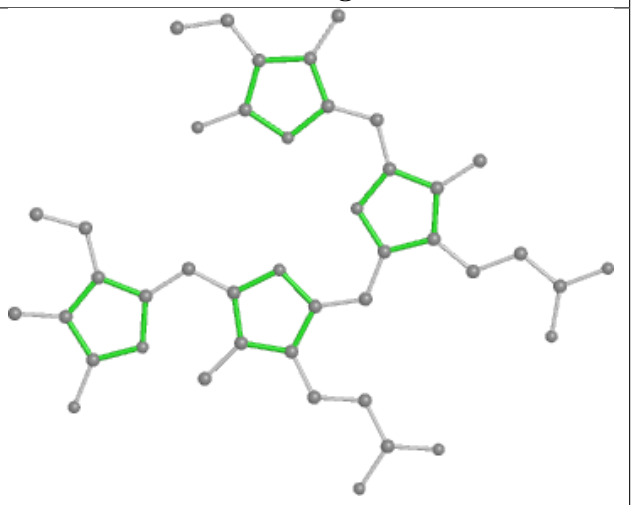
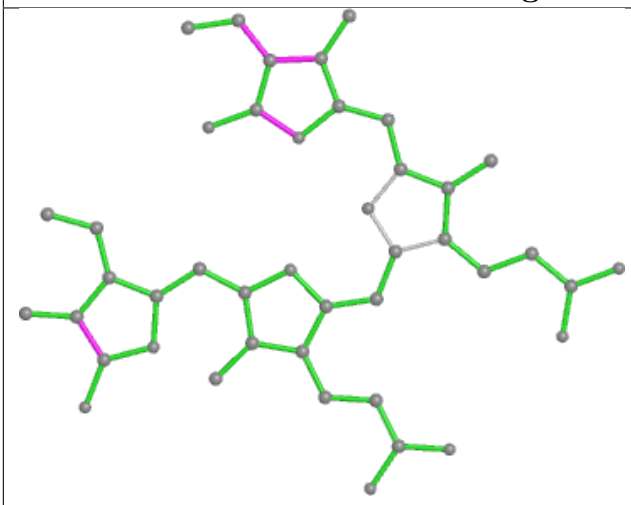


Rings

Ligand PEB t2 202



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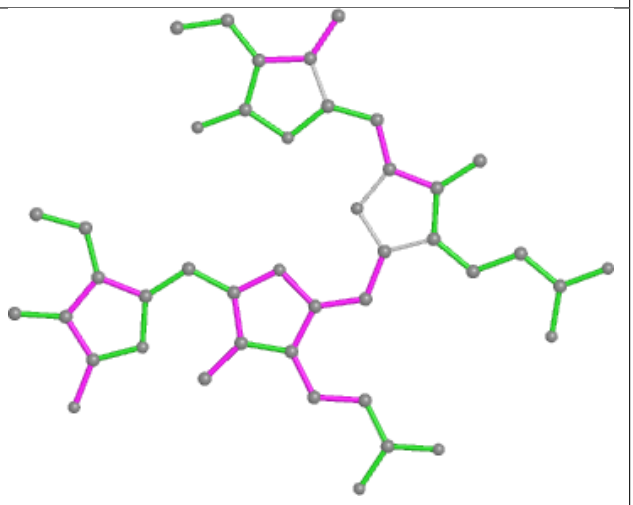

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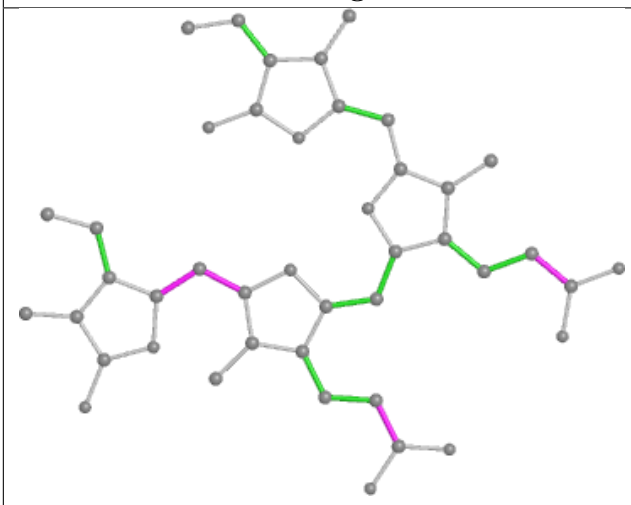

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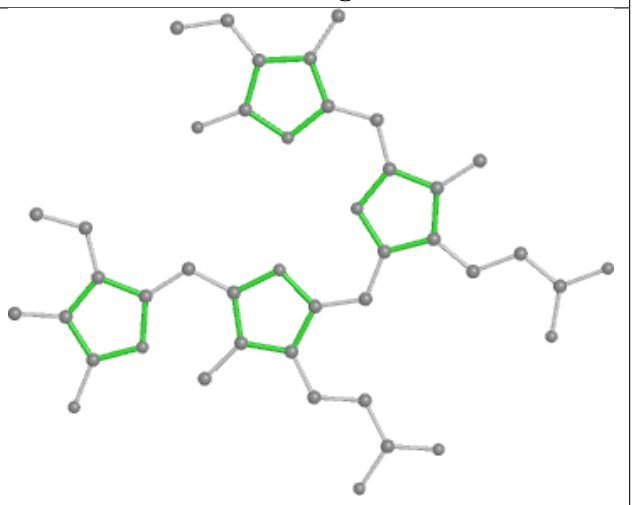
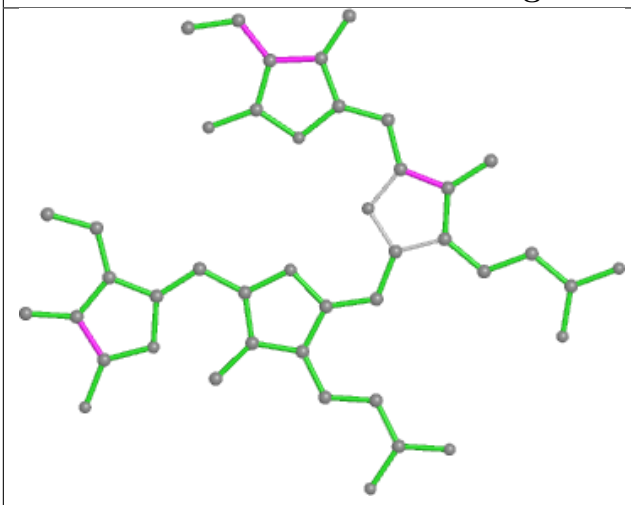


Rings

Ligand PEB gf 202



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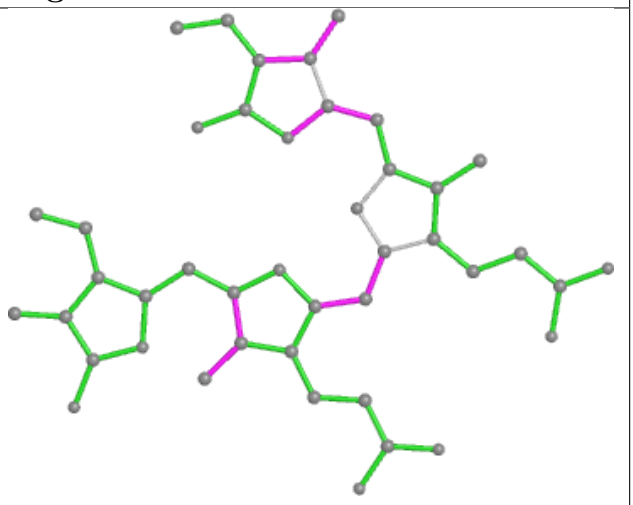

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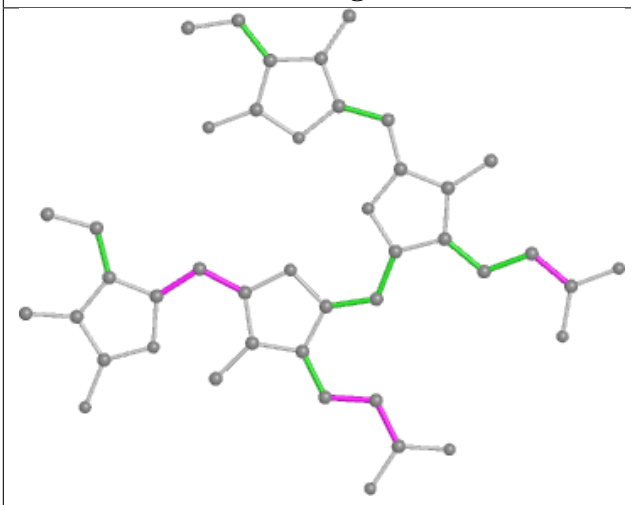

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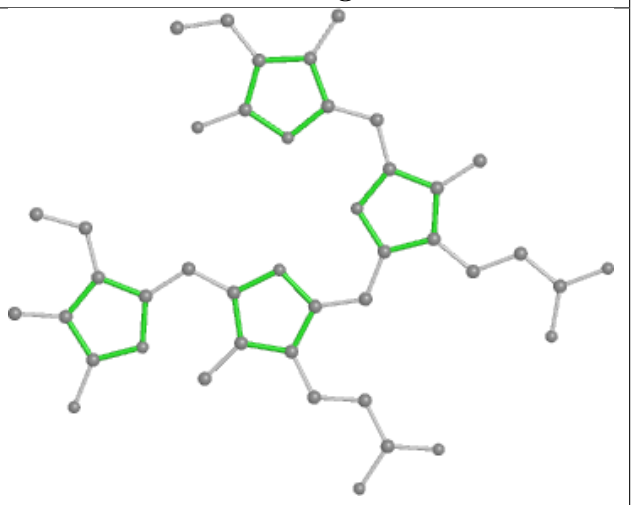
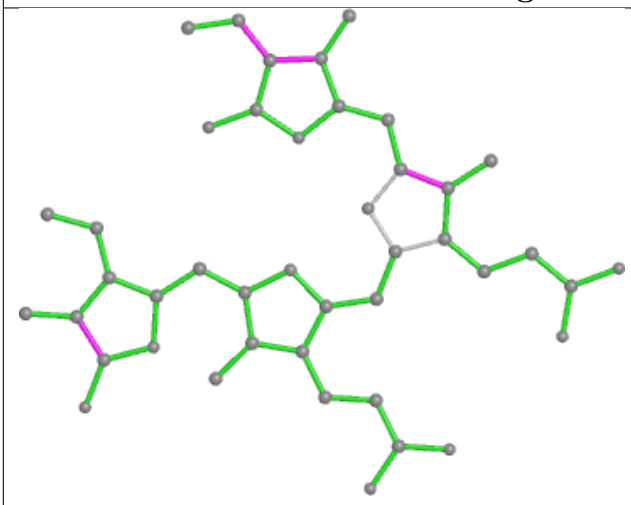


Rings

Ligand PEB bZ 302



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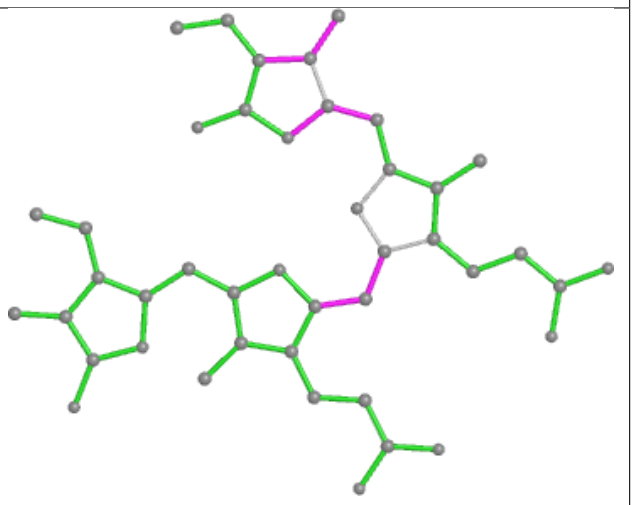

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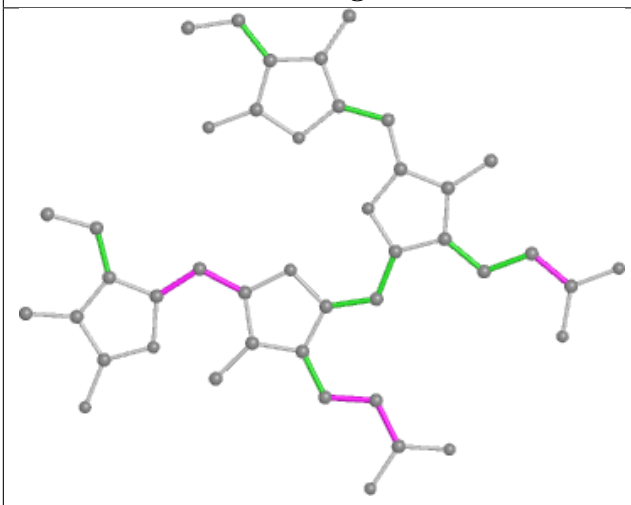

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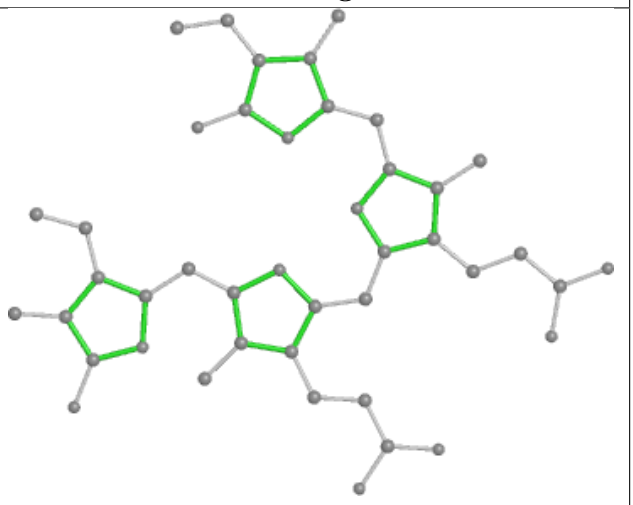

Rings

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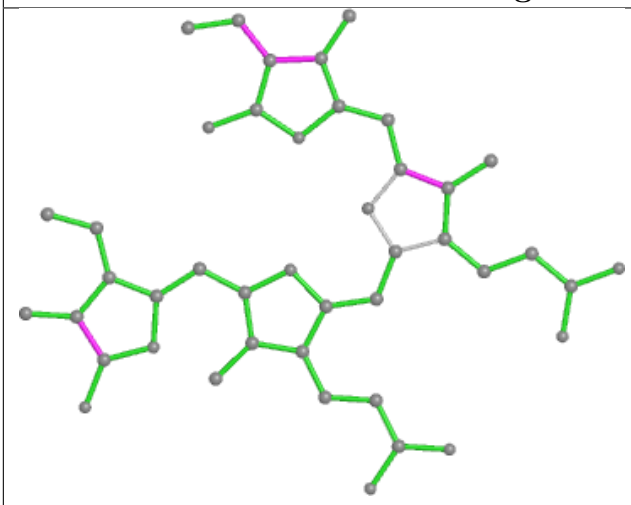

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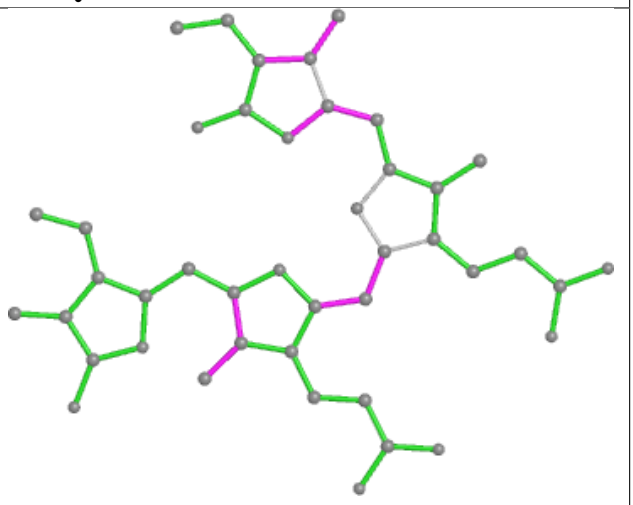

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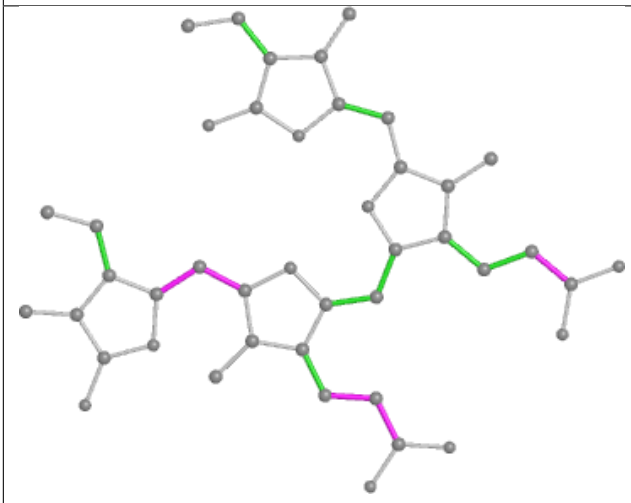

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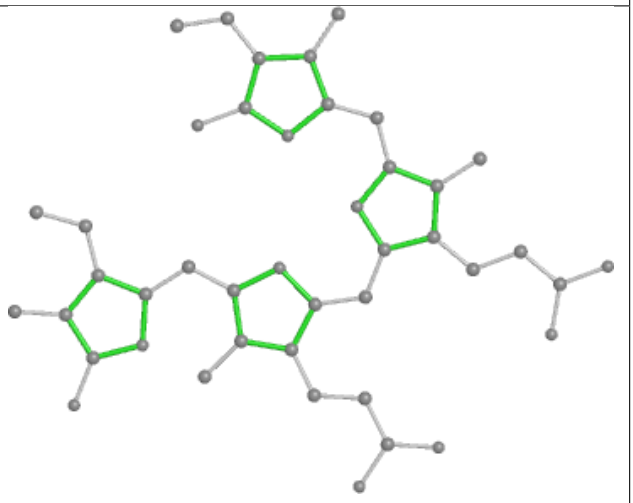
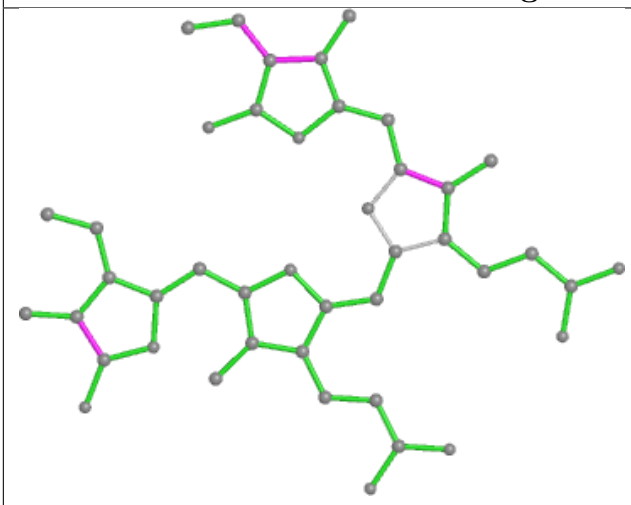


Rings

Ligand PEB c5 201



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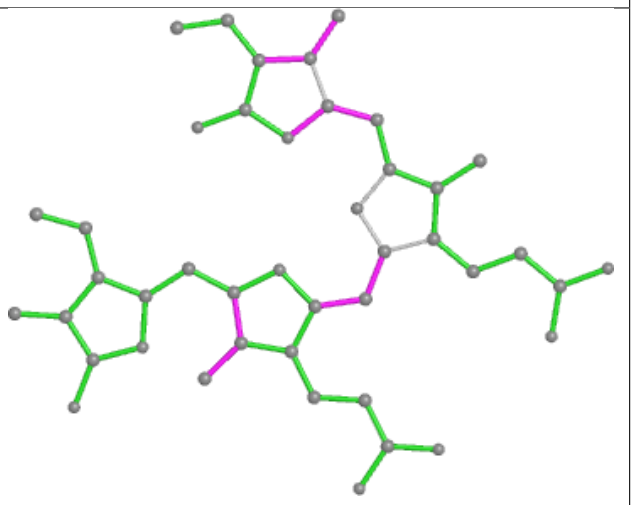
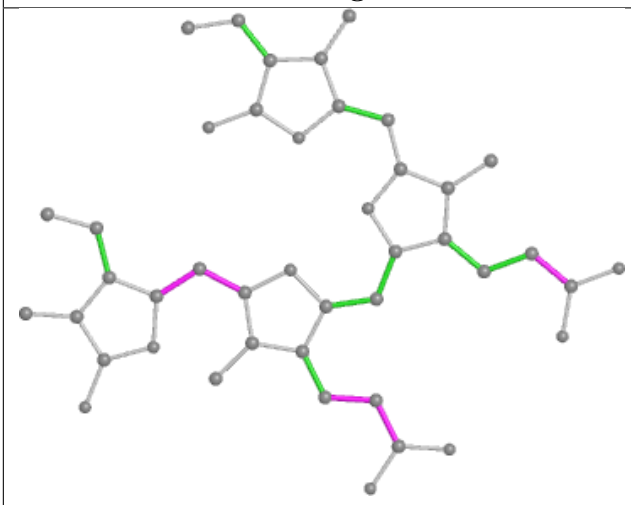
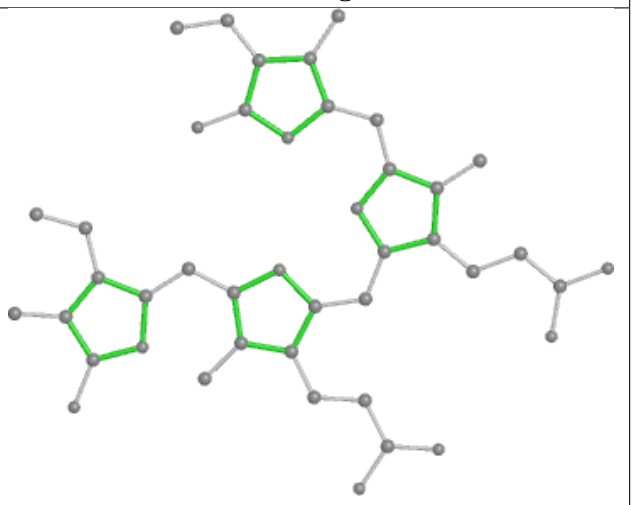


Bond angles

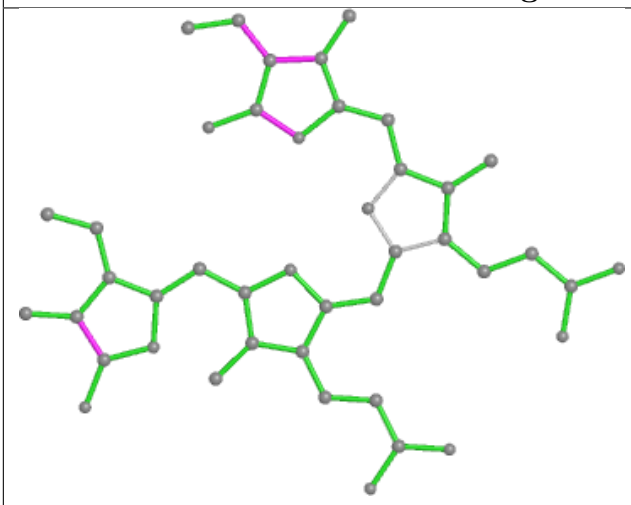


Torsions



Rings

Ligand PEB c9 301



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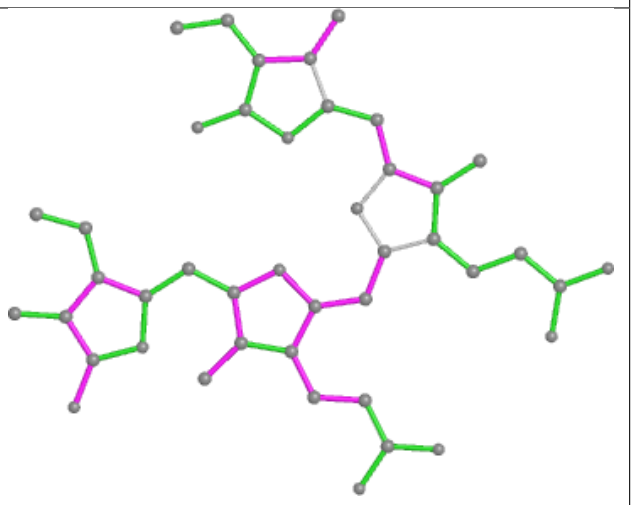

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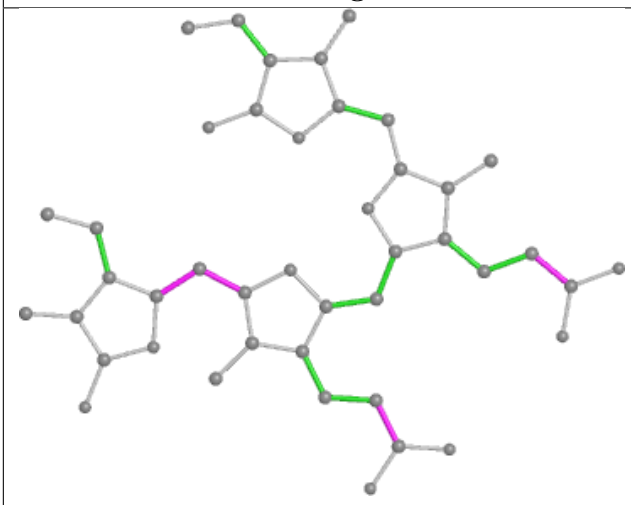

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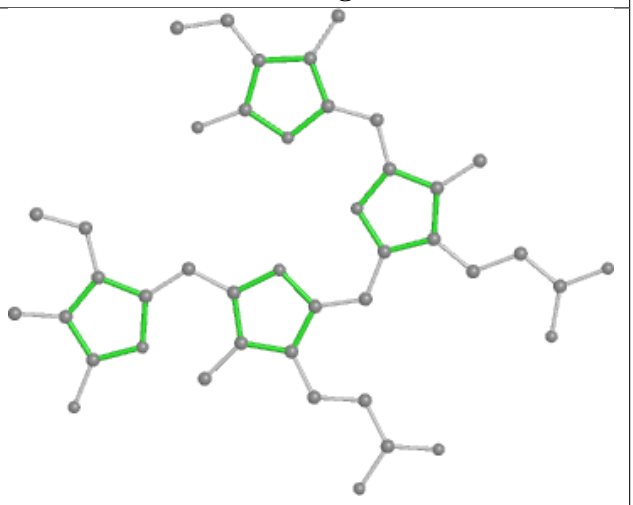
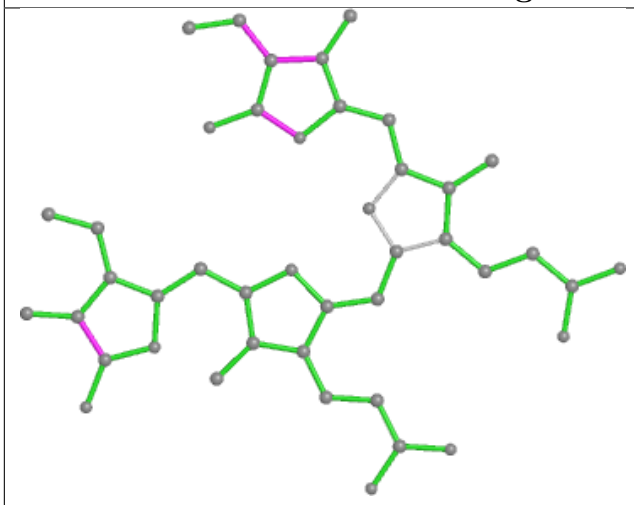


Rings

Ligand PEB bA 201



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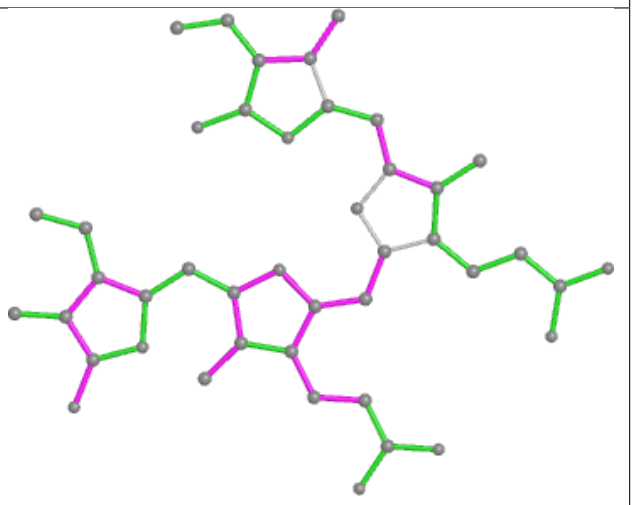

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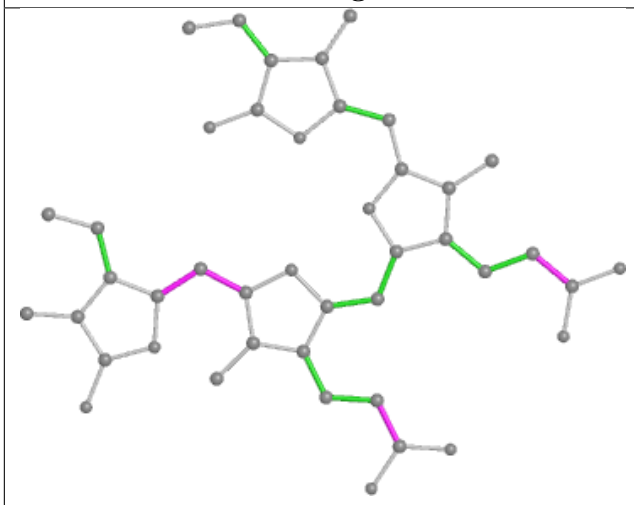

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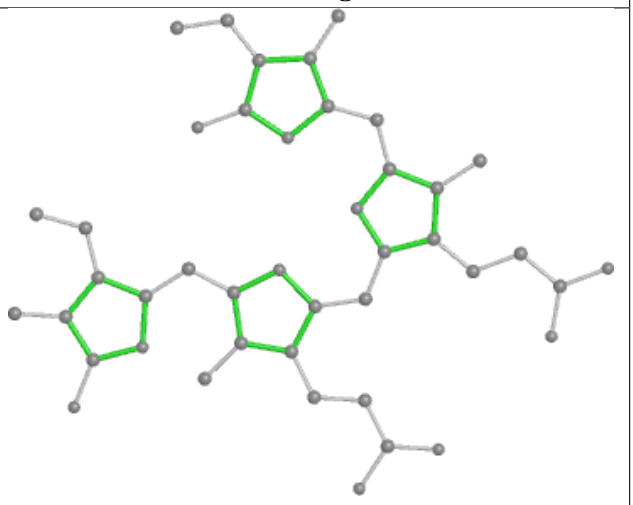

Rings

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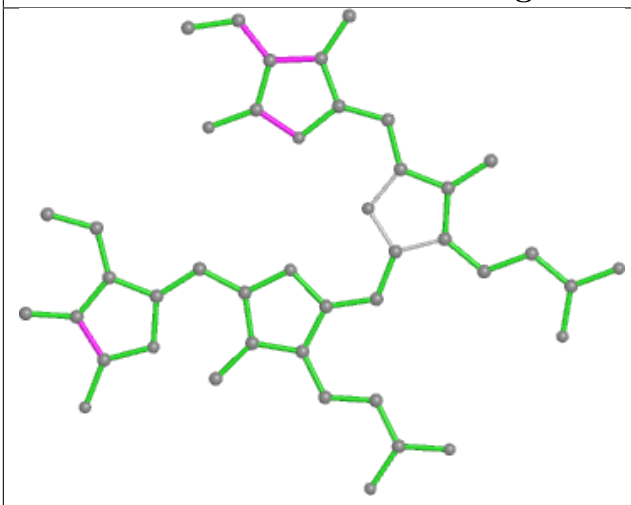

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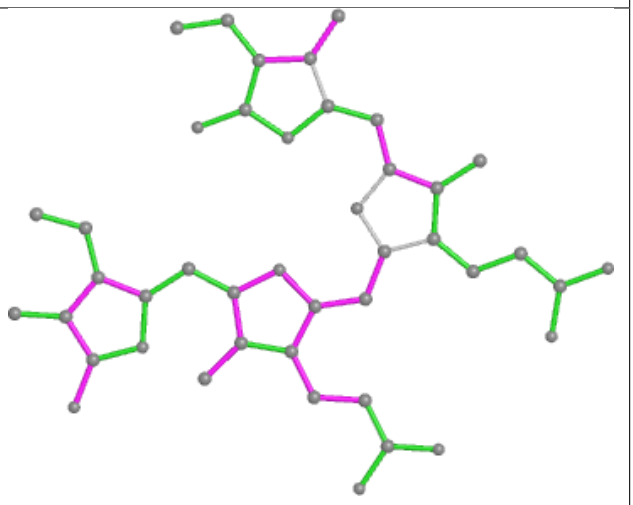

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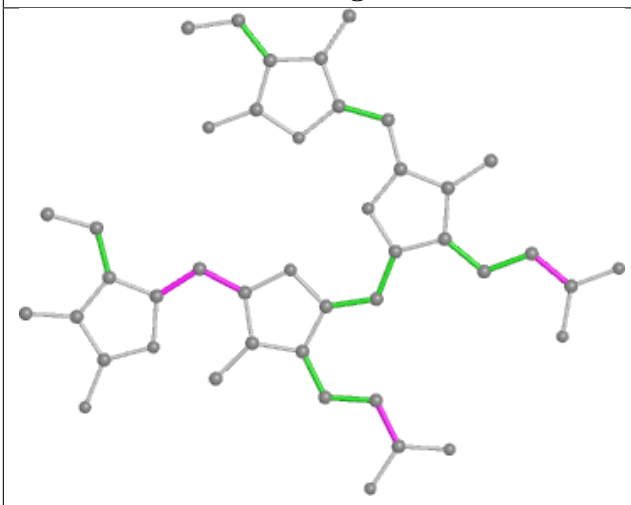

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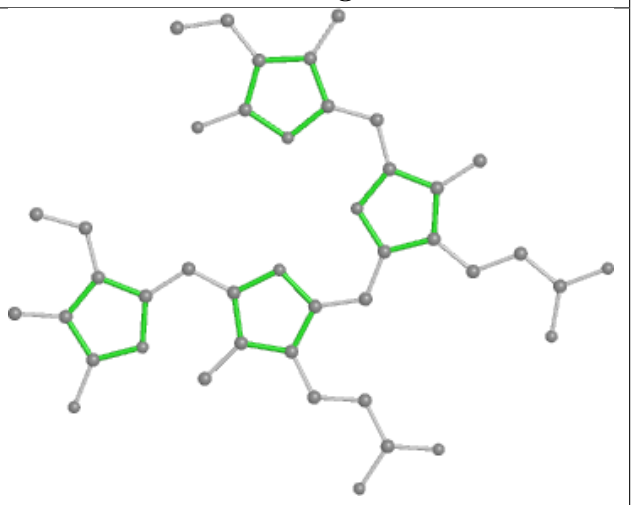
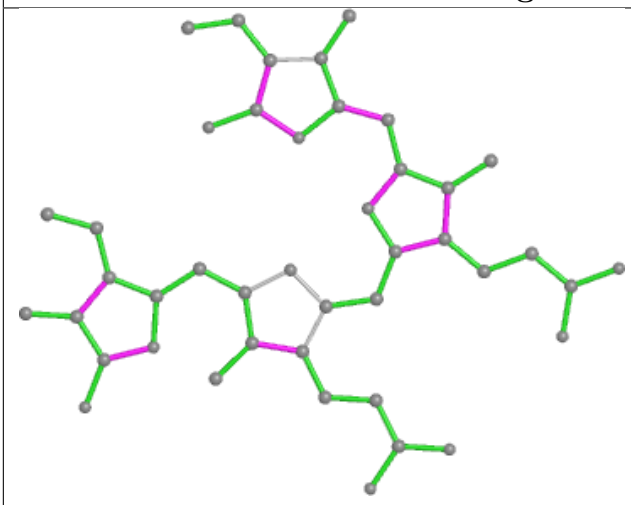


Rings

Ligand PUB gn 203



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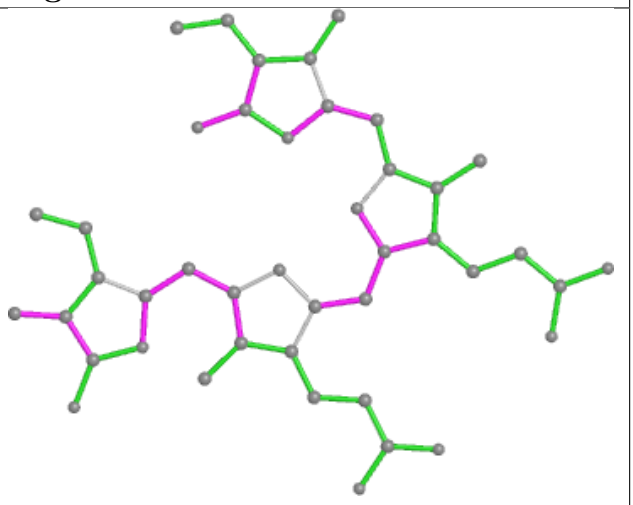

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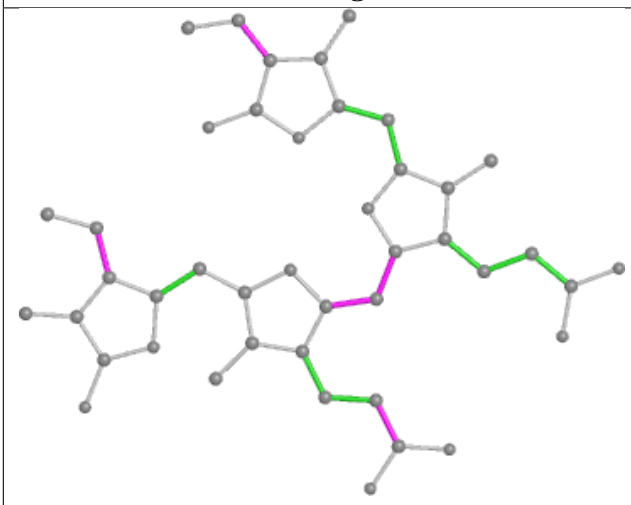

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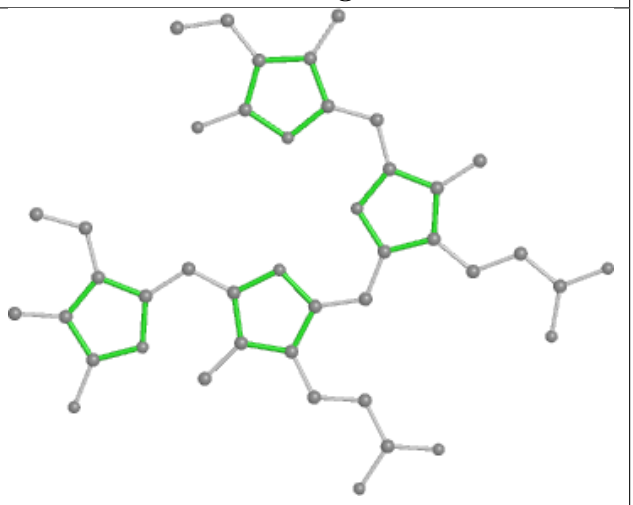
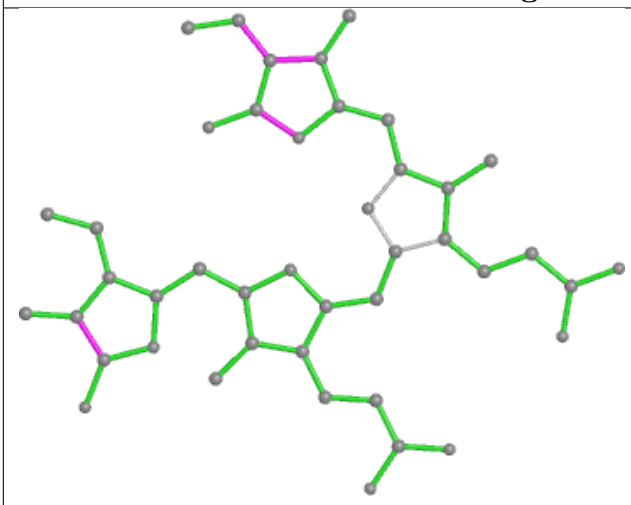


Rings

Ligand PEB bt 202



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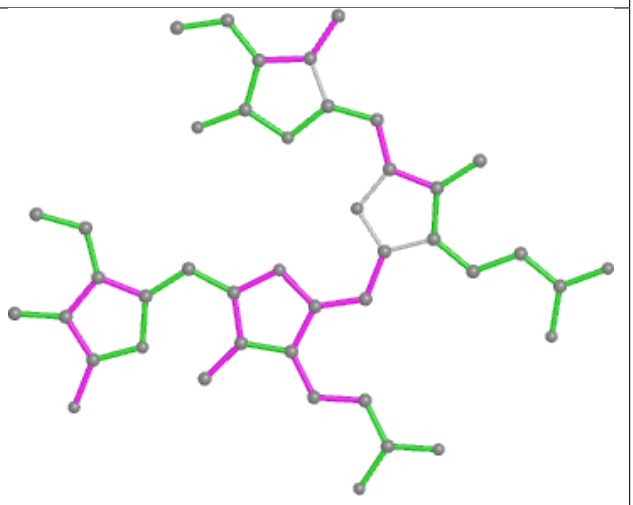

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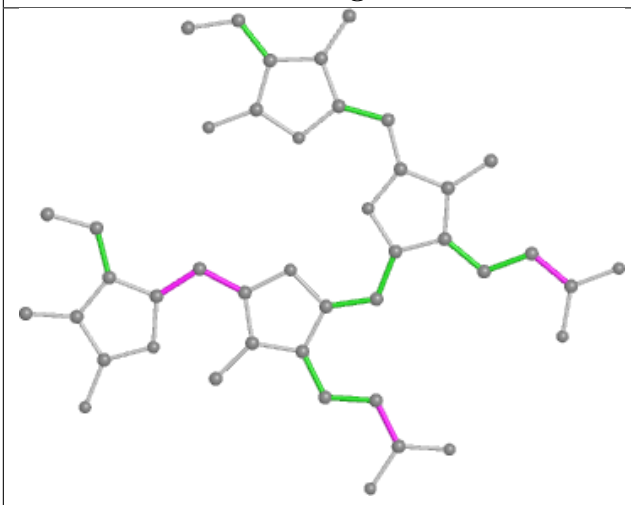

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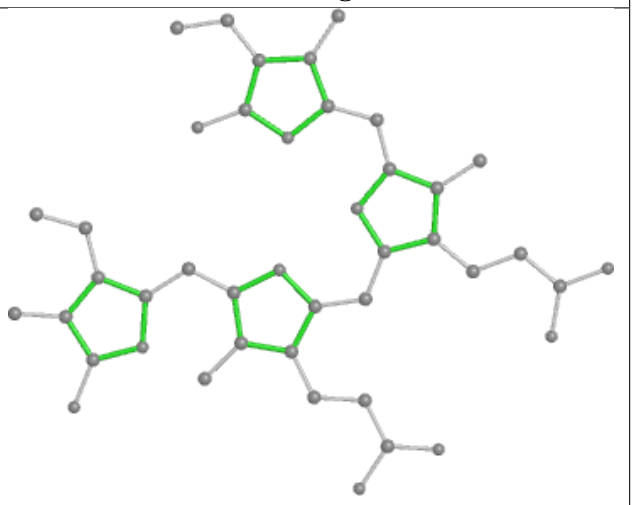
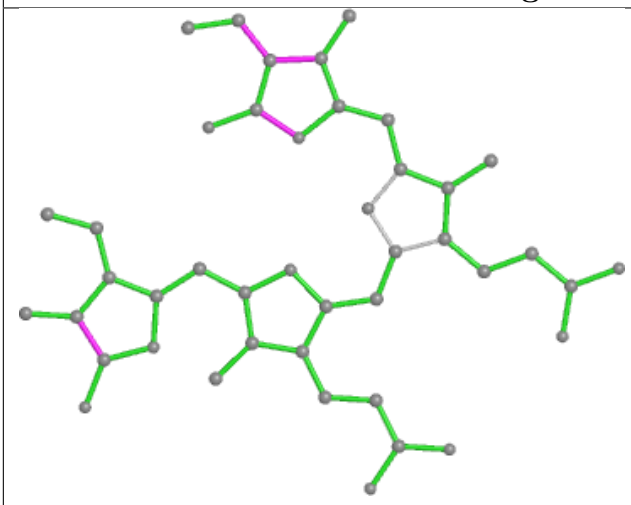


Rings

Ligand PEB s7 201



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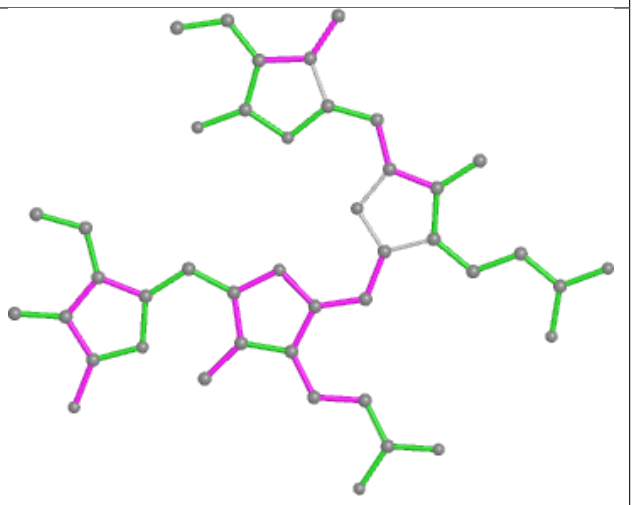

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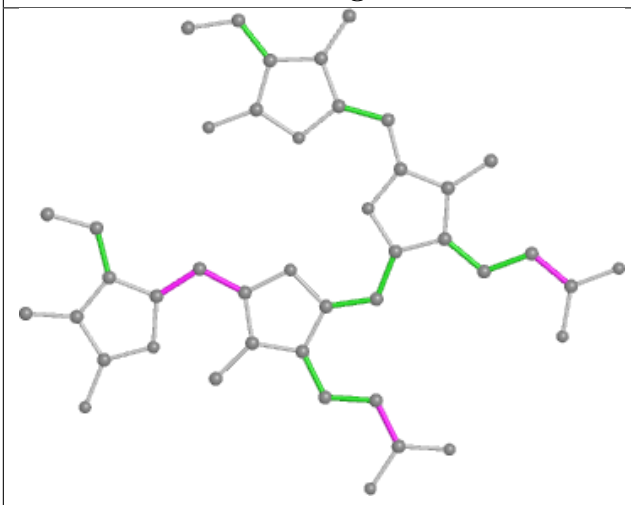

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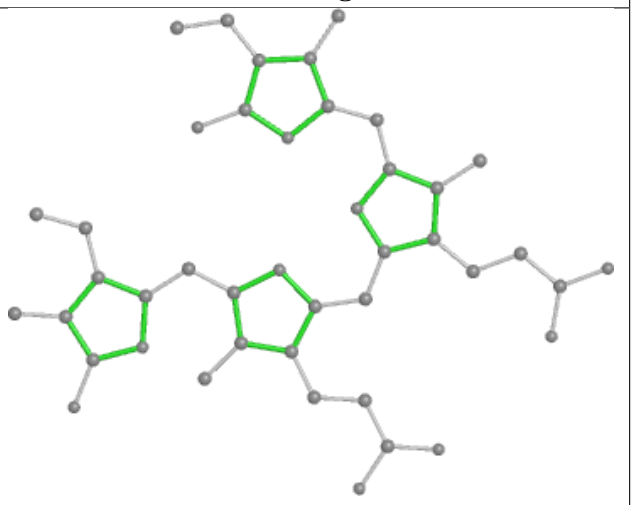
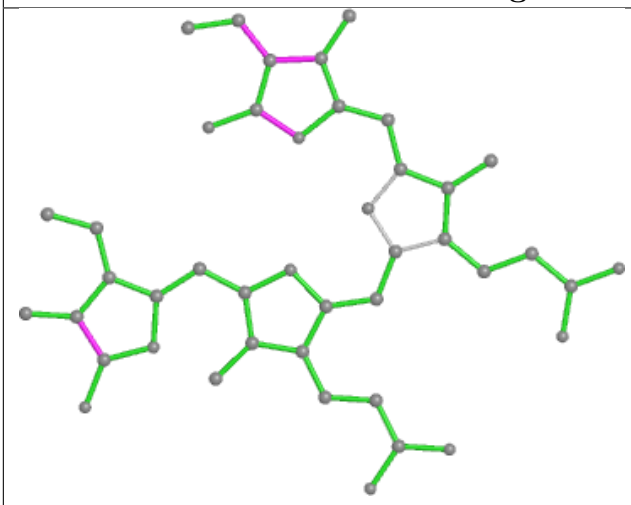


Rings

Ligand PEB jN 1001



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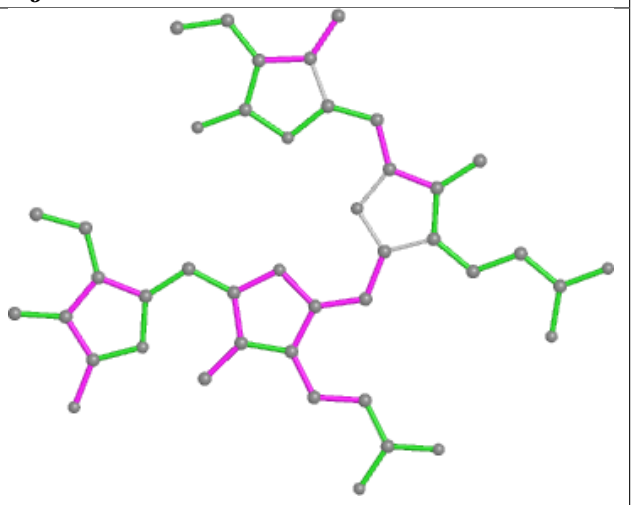

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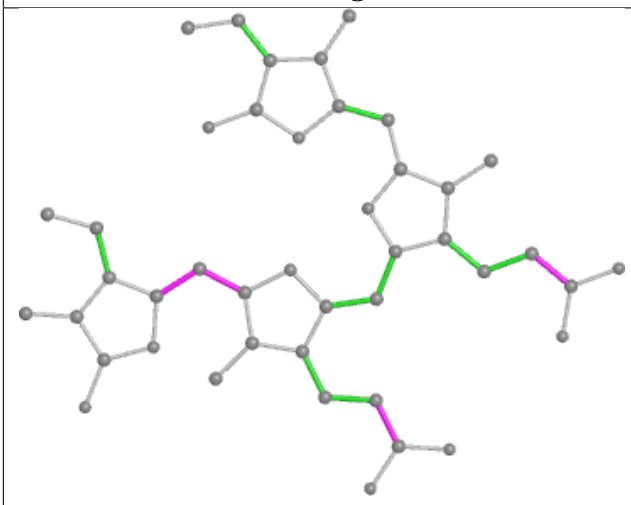

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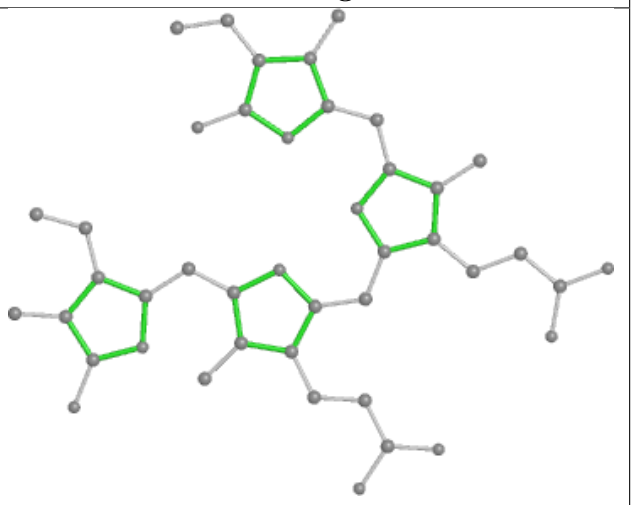
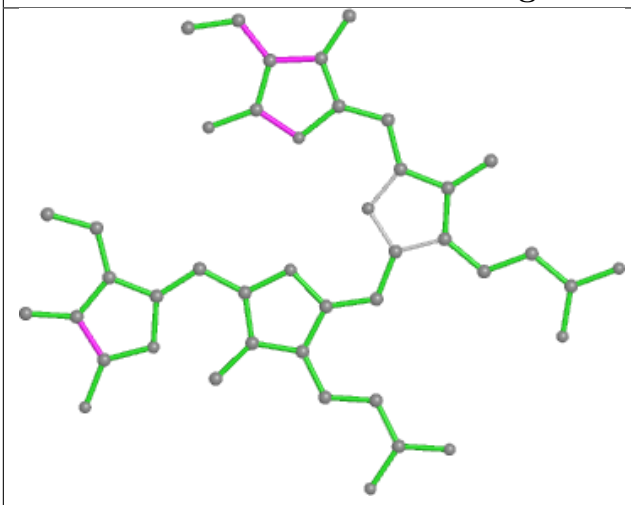


Rings

Ligand PEB bg 201



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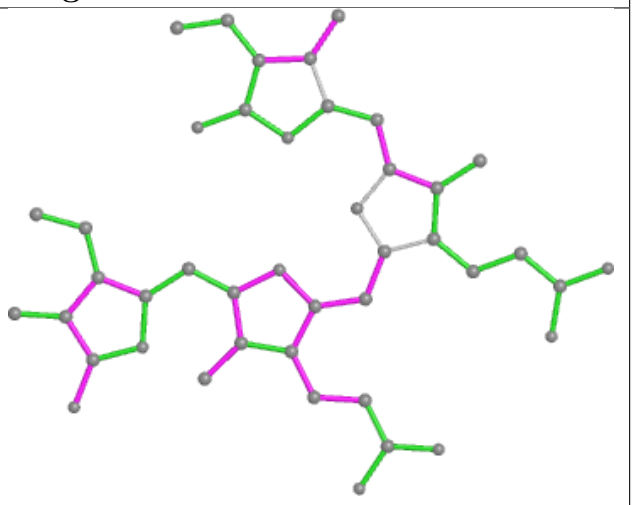

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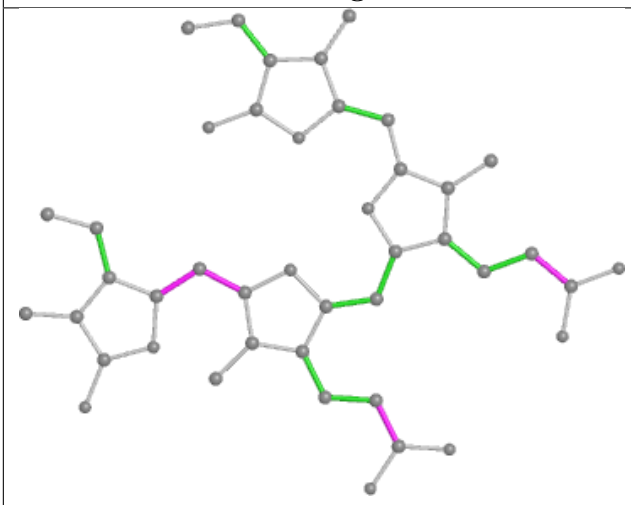

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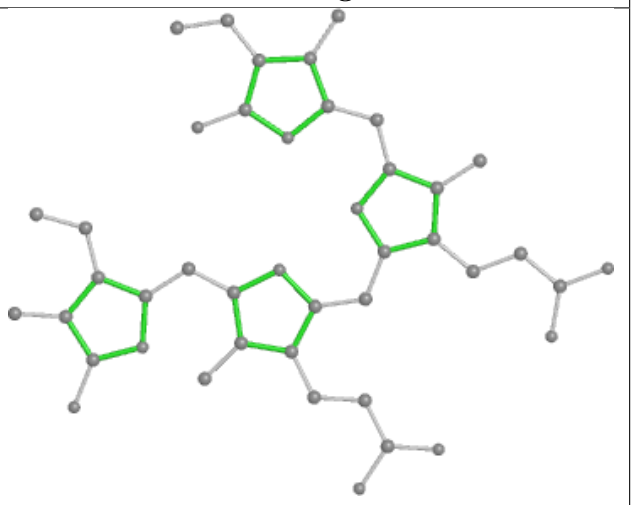
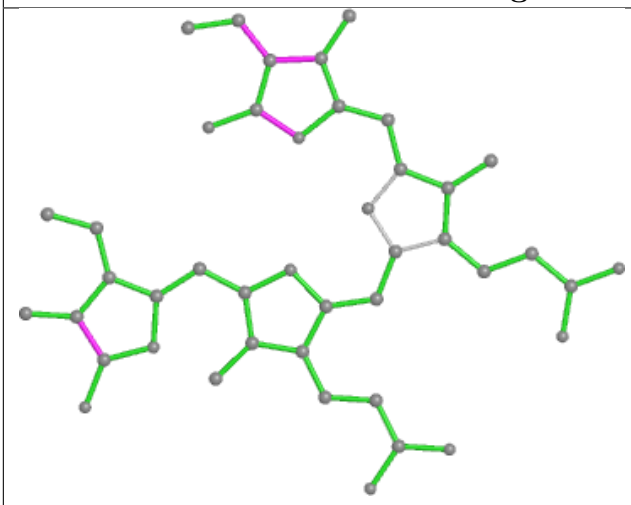


Rings

Ligand PEB W4 201



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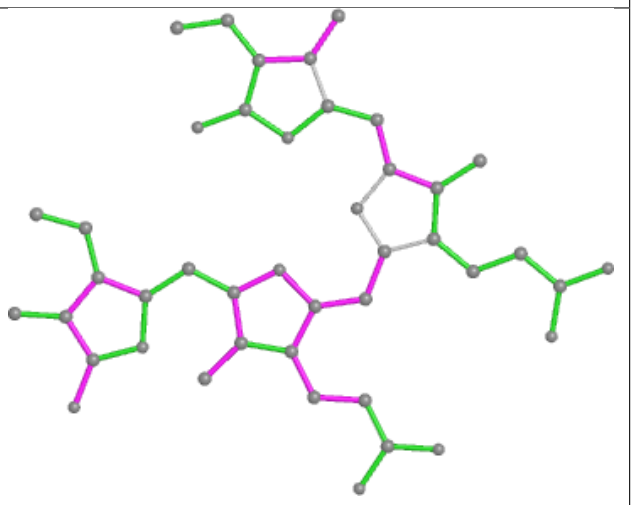

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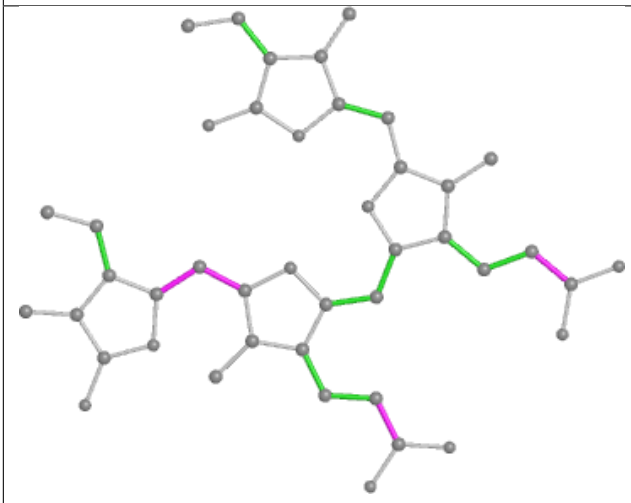

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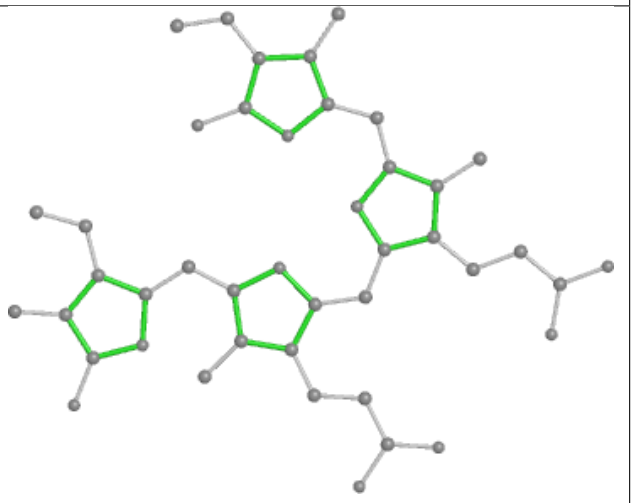
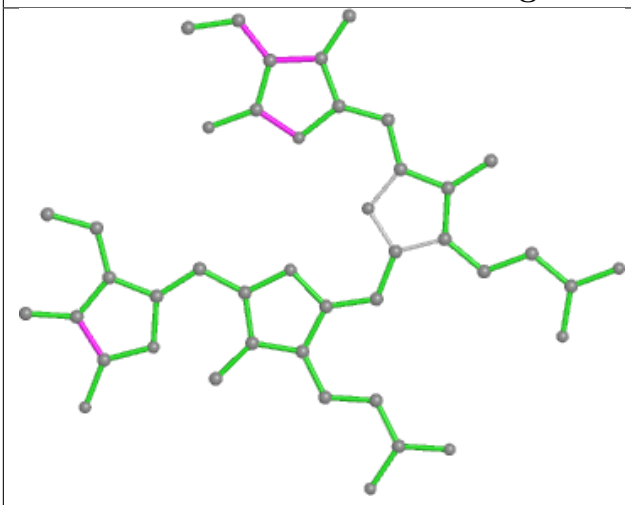


Rings

Ligand PEB q2 202



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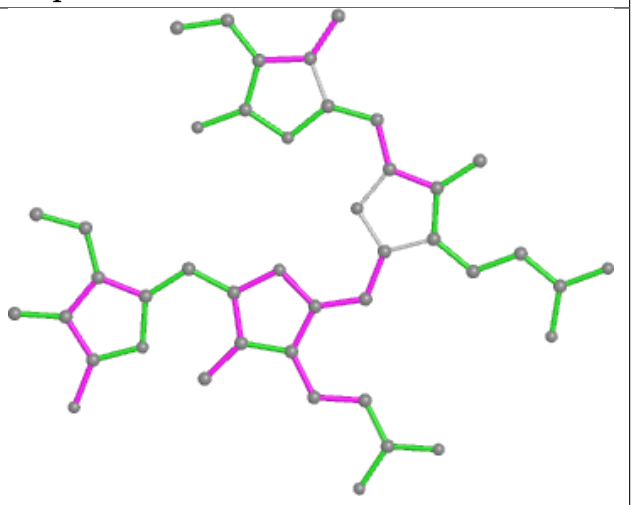

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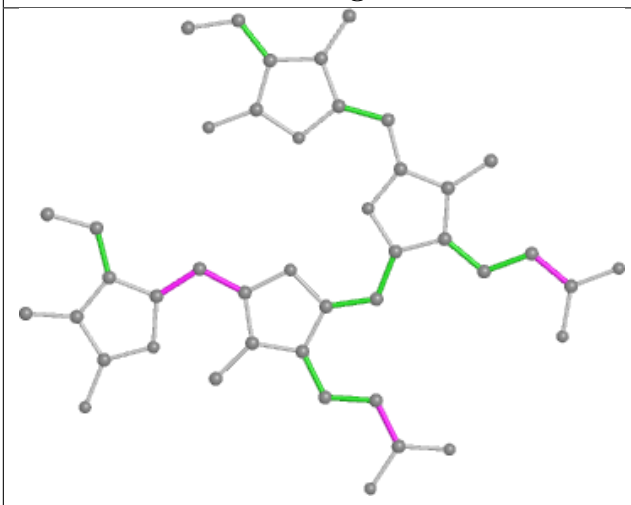

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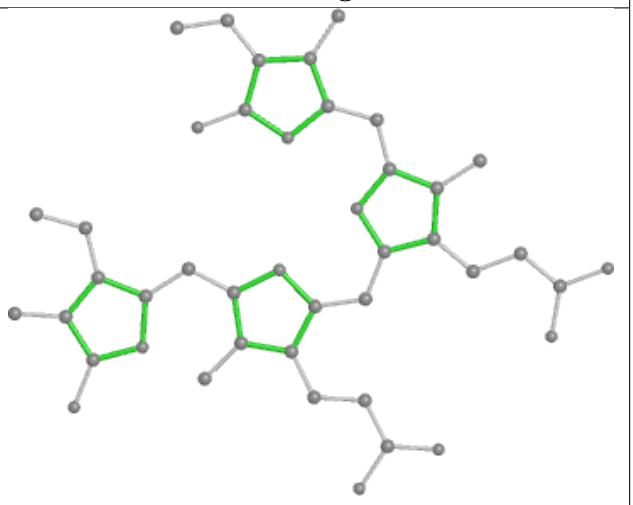

Rings

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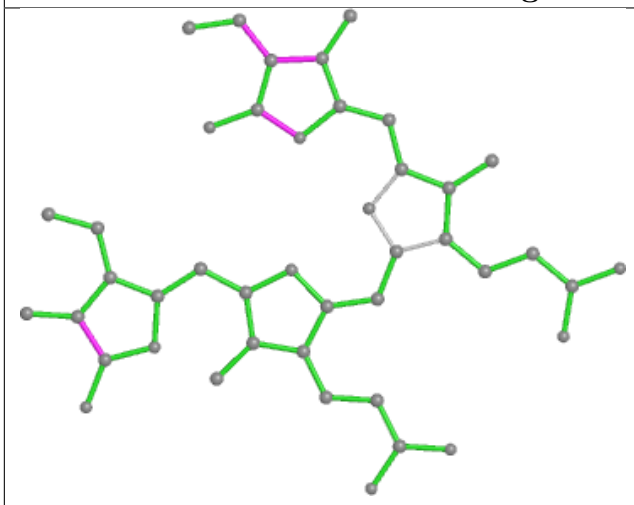

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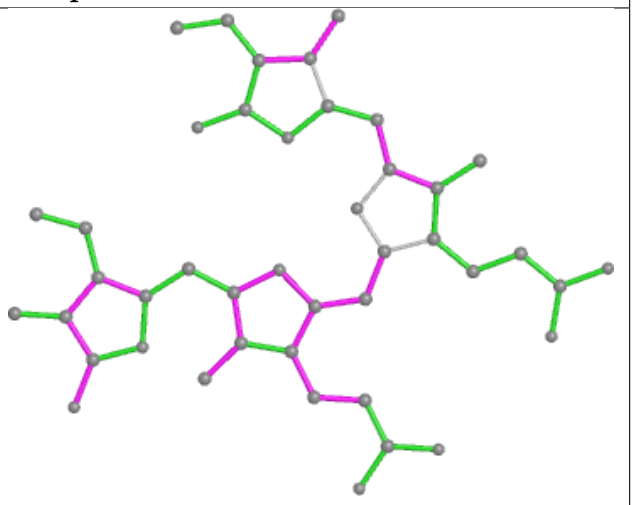

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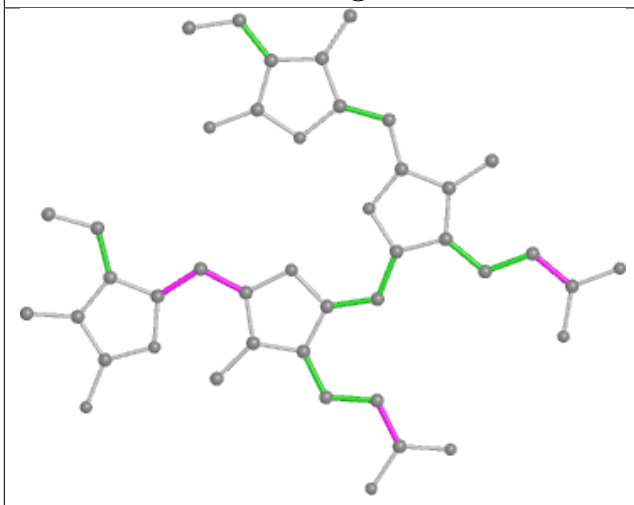

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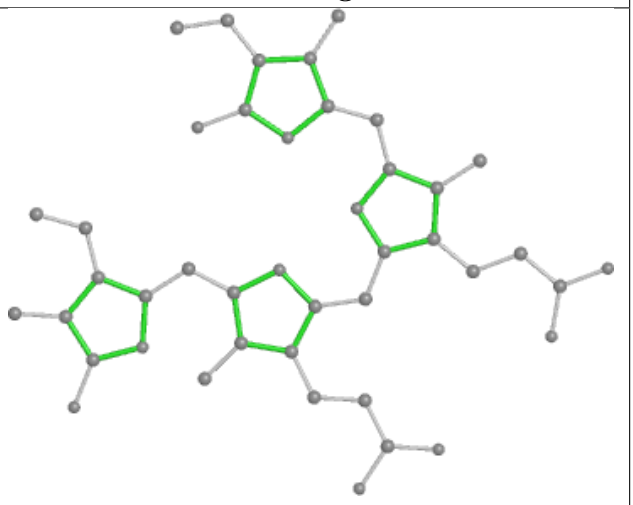

Rings

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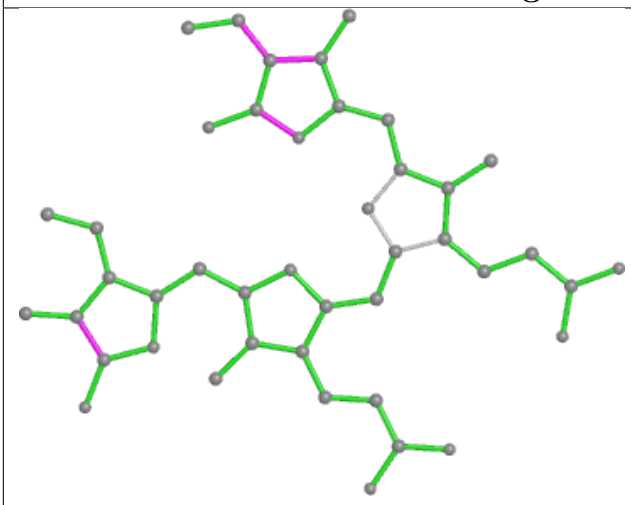

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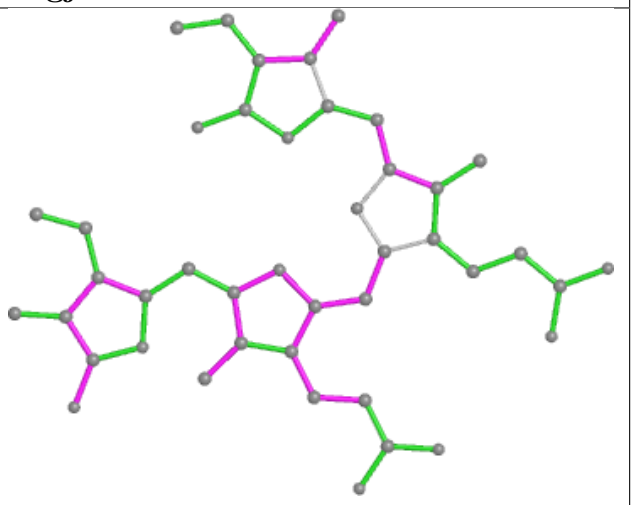

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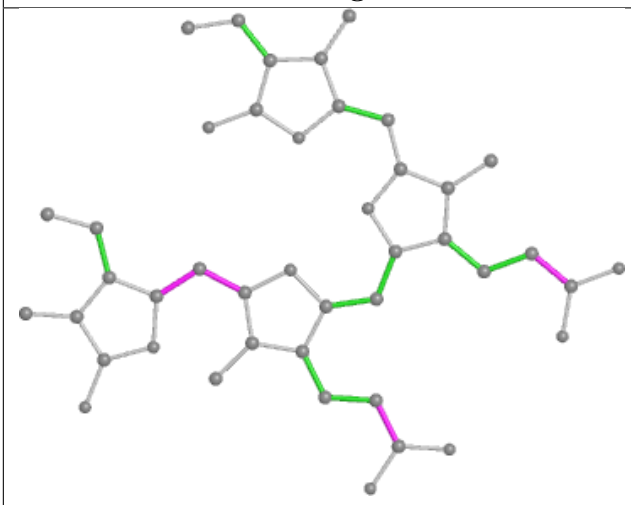

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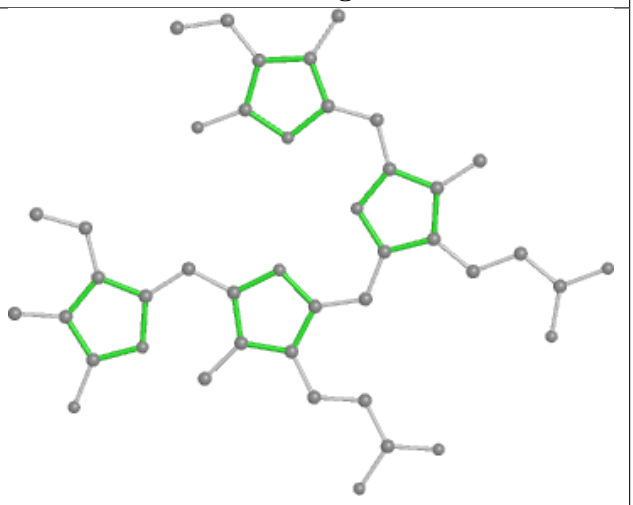

Rings

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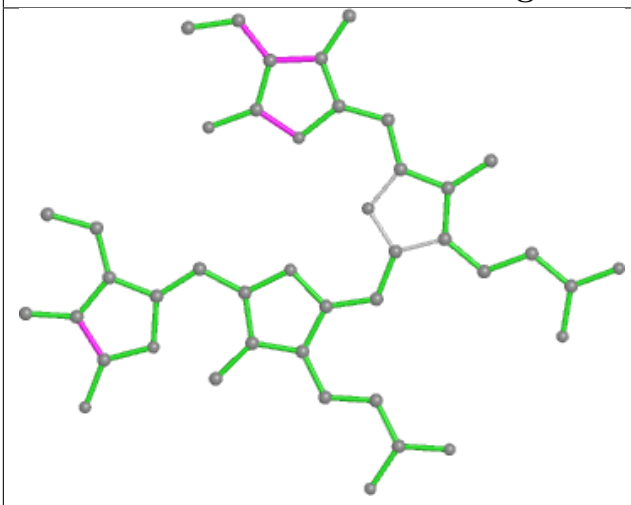

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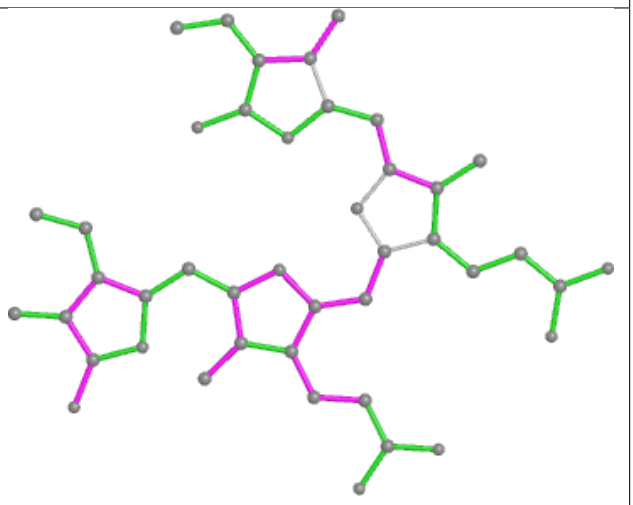

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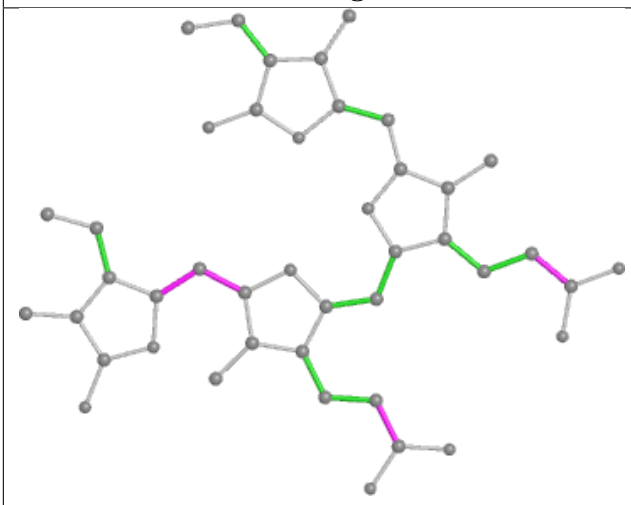
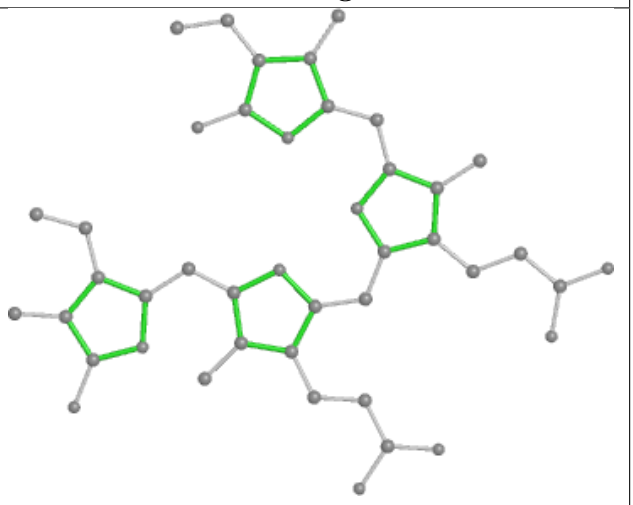
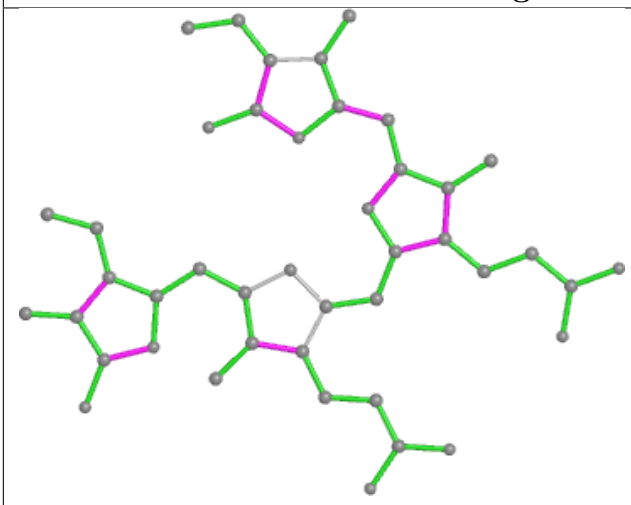


Torsions



Rings

Ligand PUB H4 203



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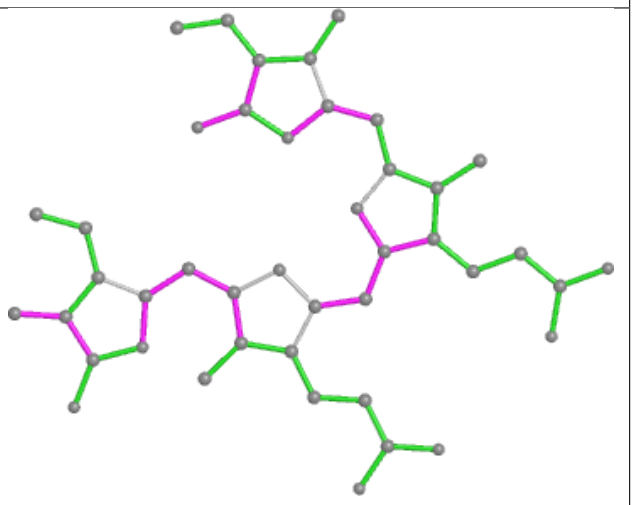

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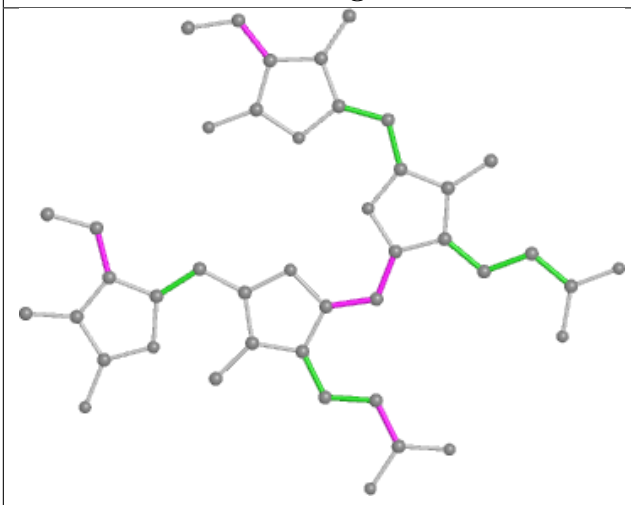

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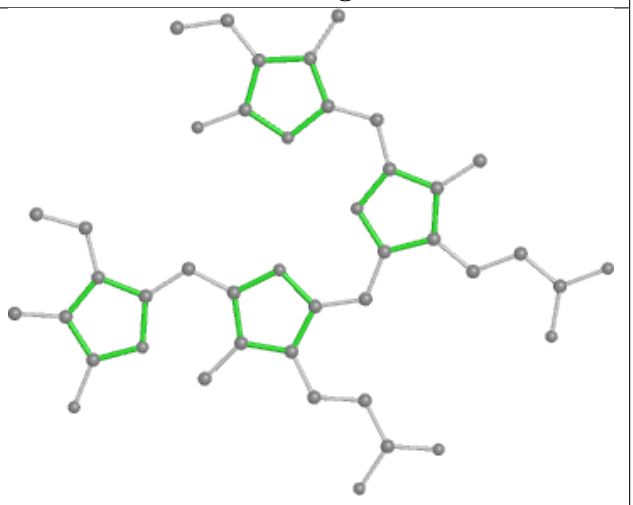
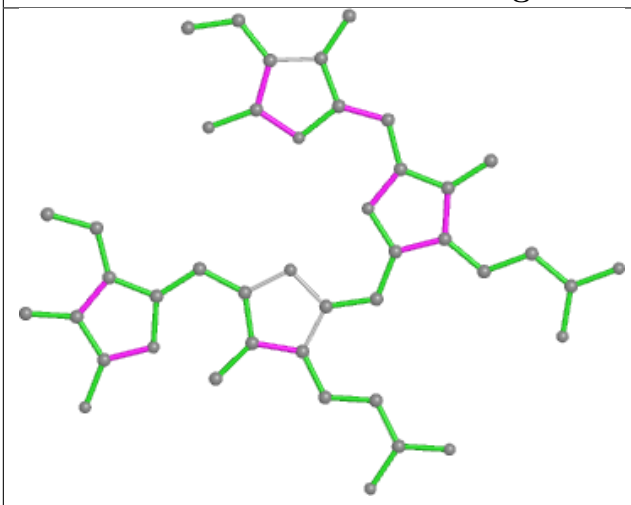


Rings

Ligand PUB N4 203



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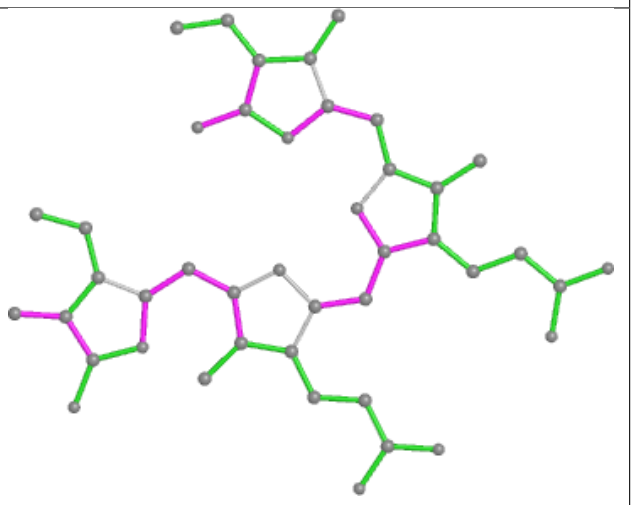

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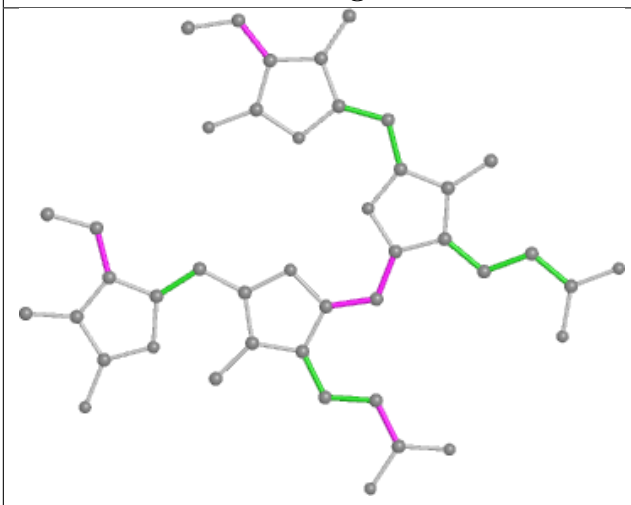

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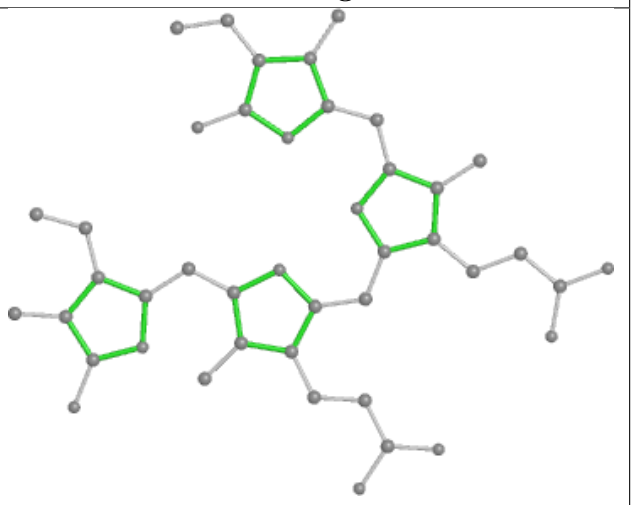
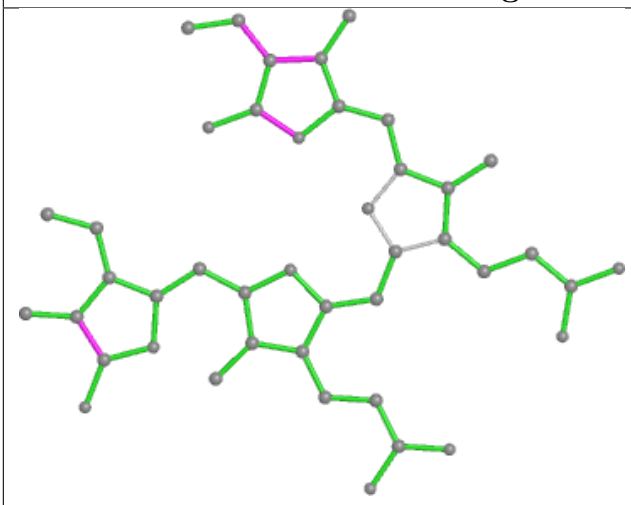


Rings

Ligand PEB hM 1001



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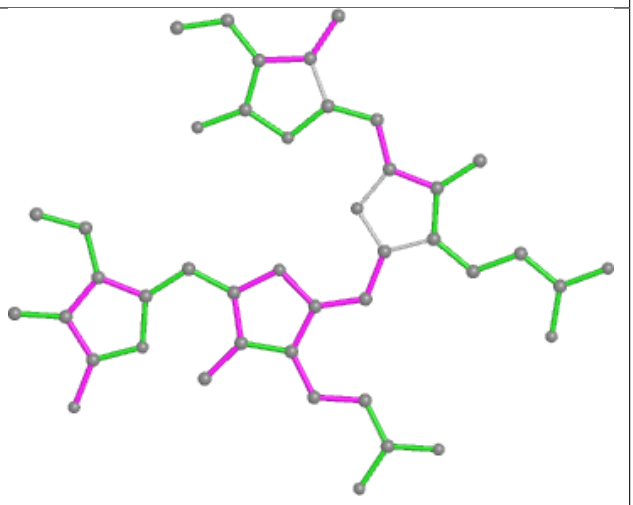

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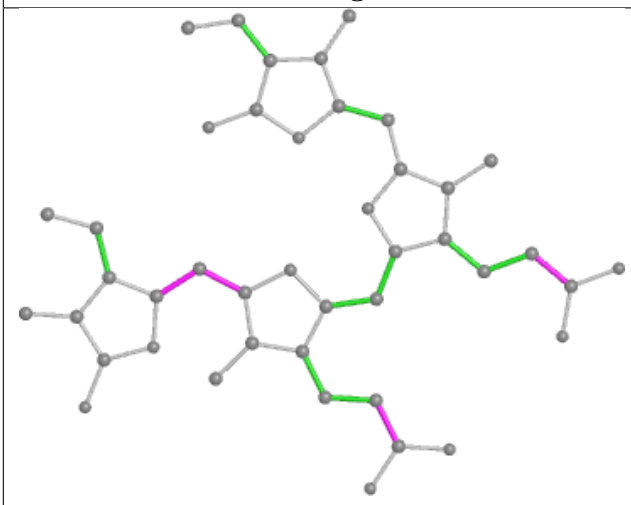

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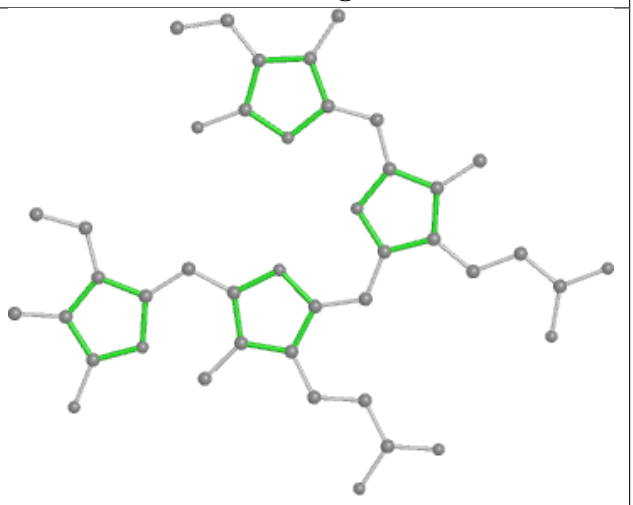
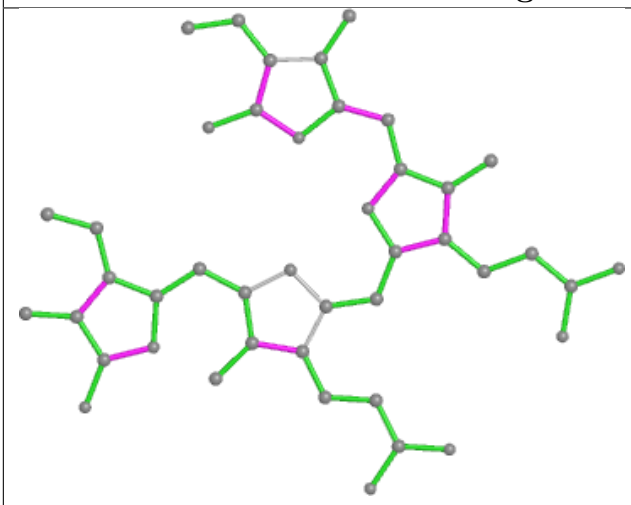


Rings

Ligand PUB dx 407



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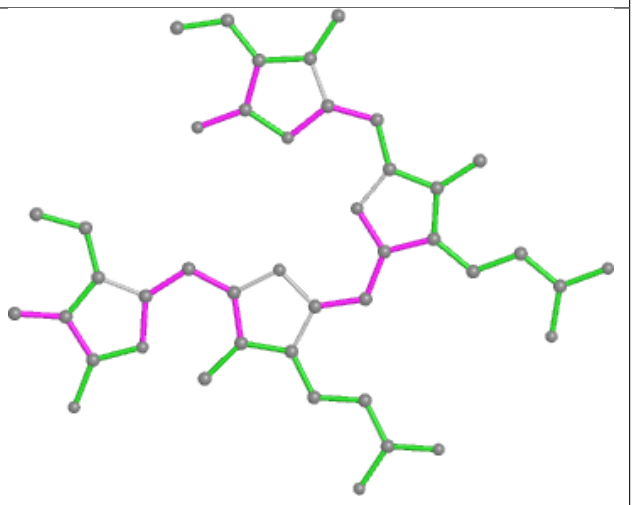

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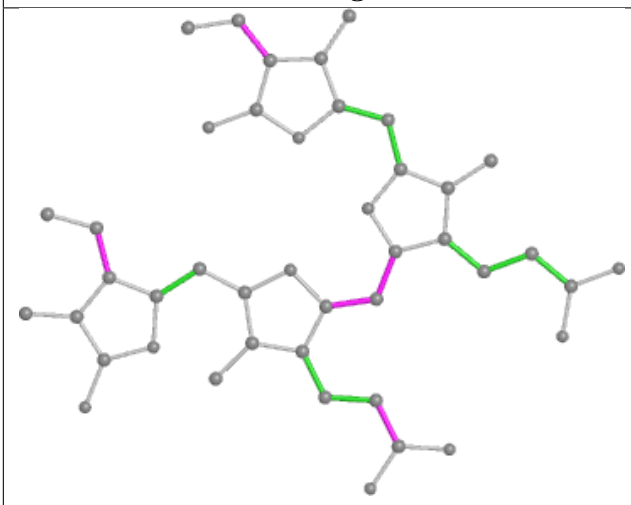

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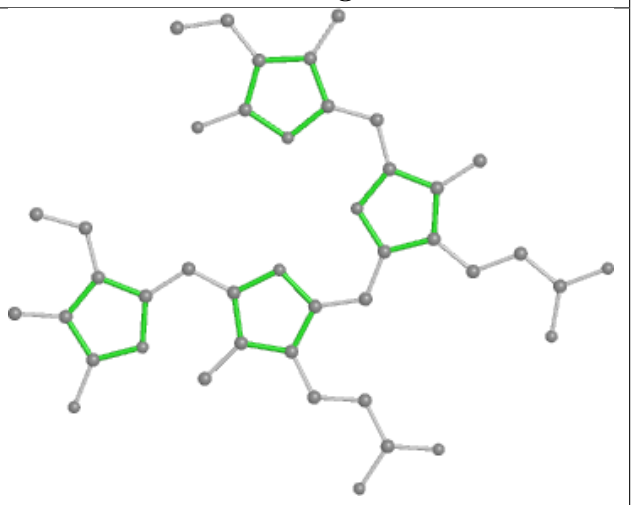

Rings

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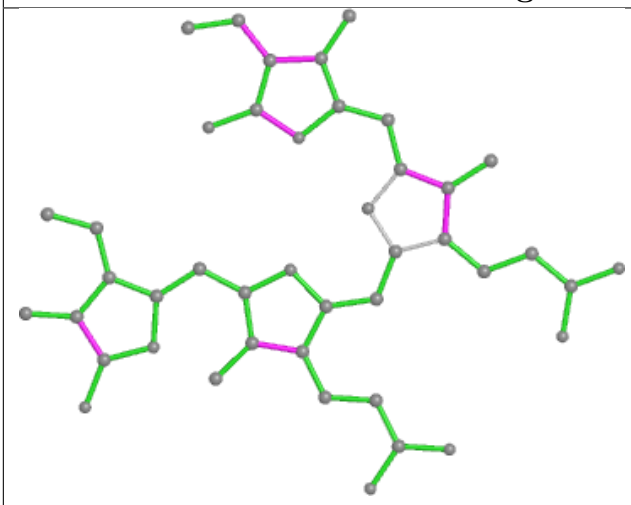

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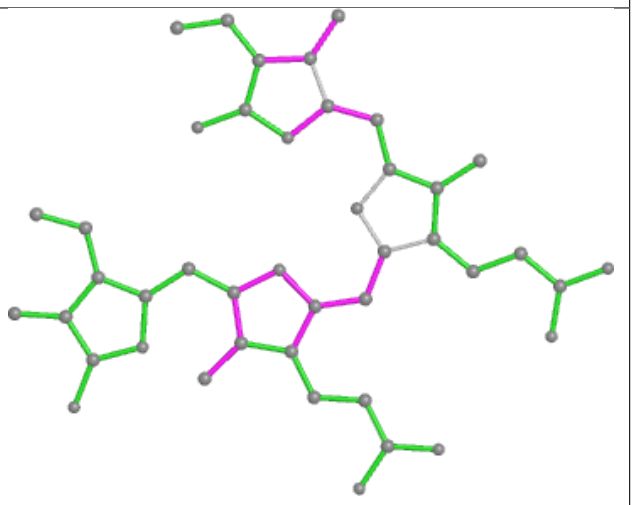

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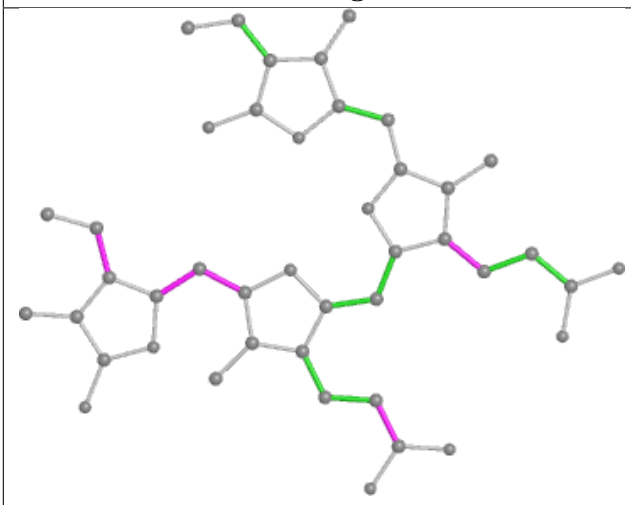

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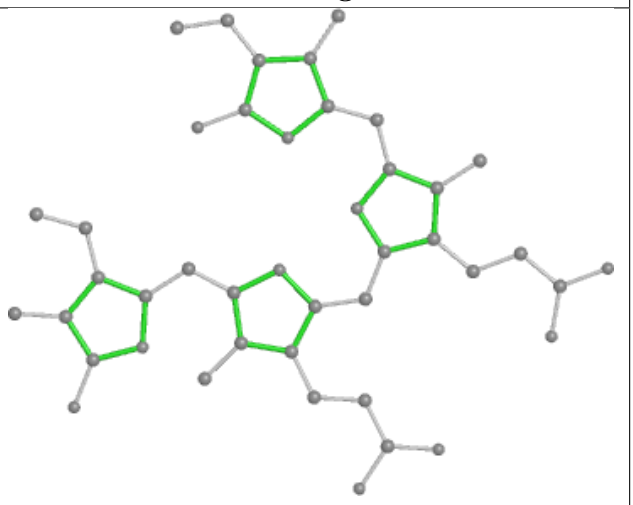

Rings

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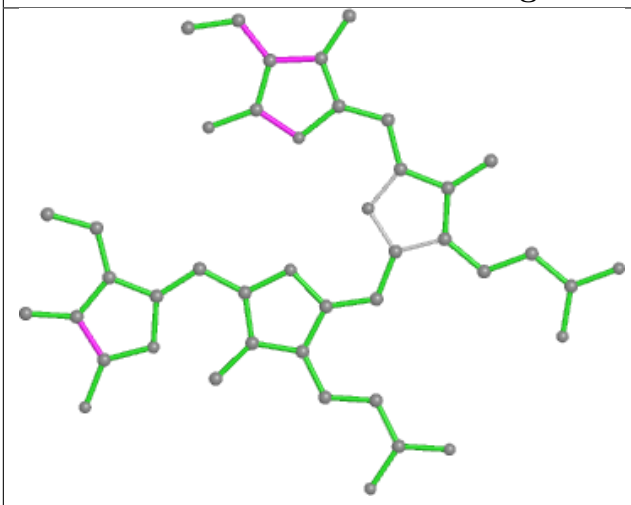

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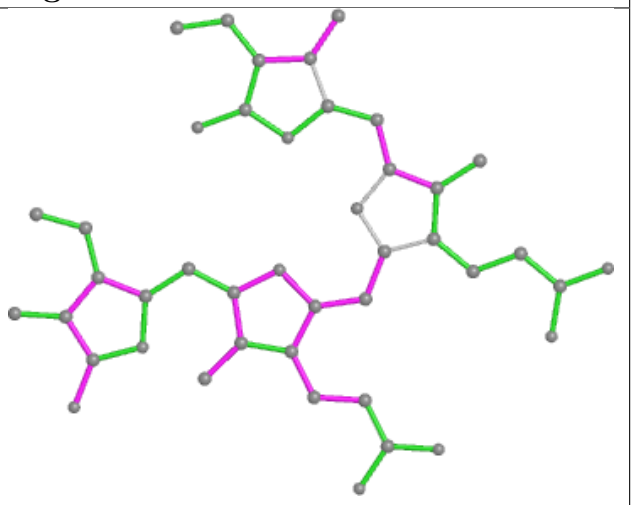

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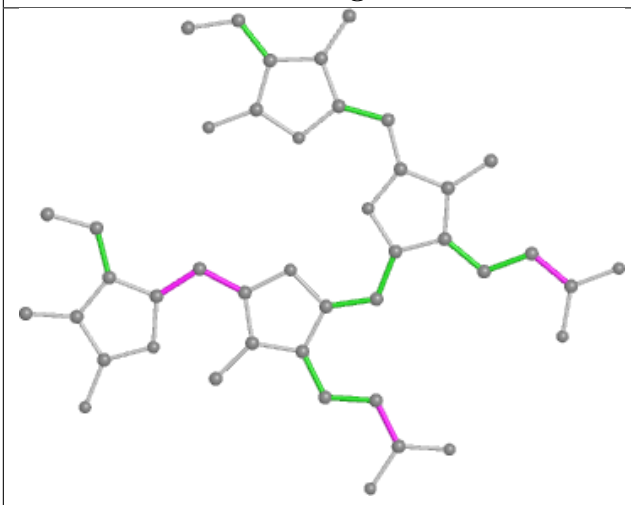

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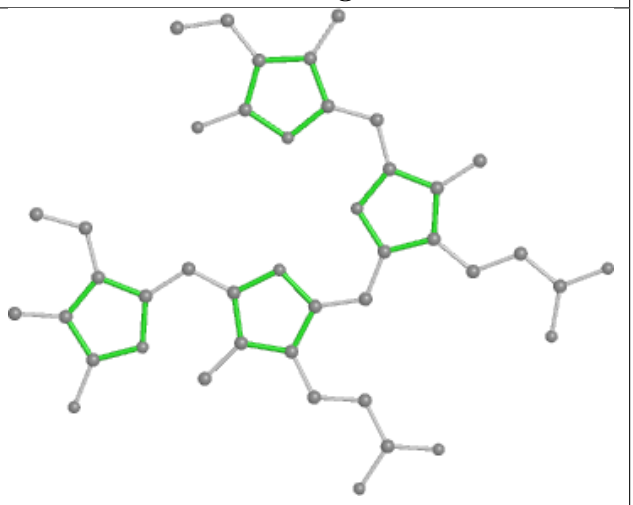
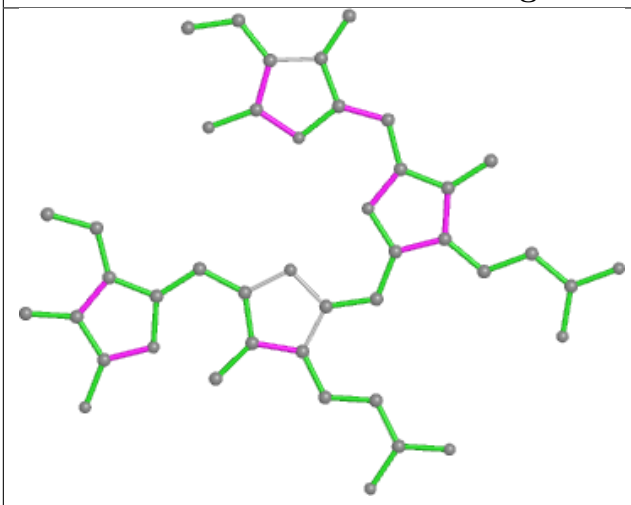


Rings

Ligand PUB t3 203



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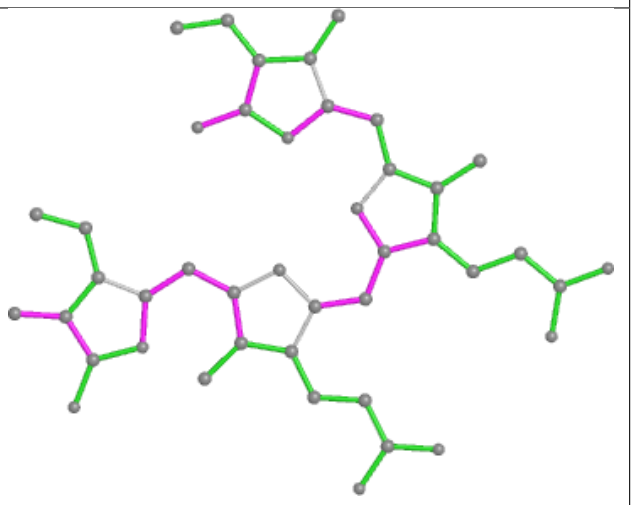

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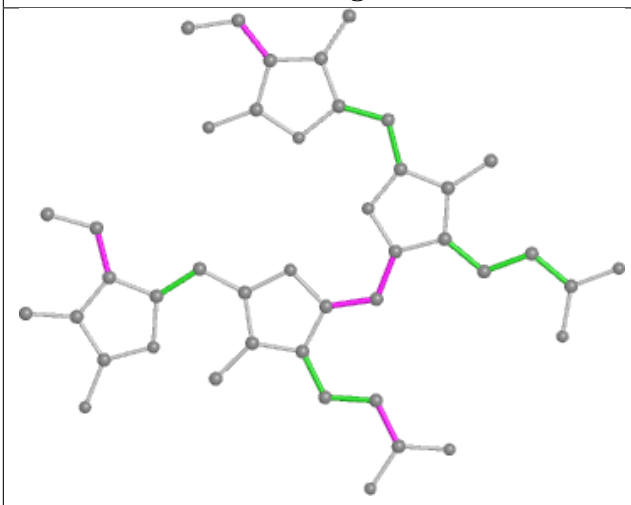

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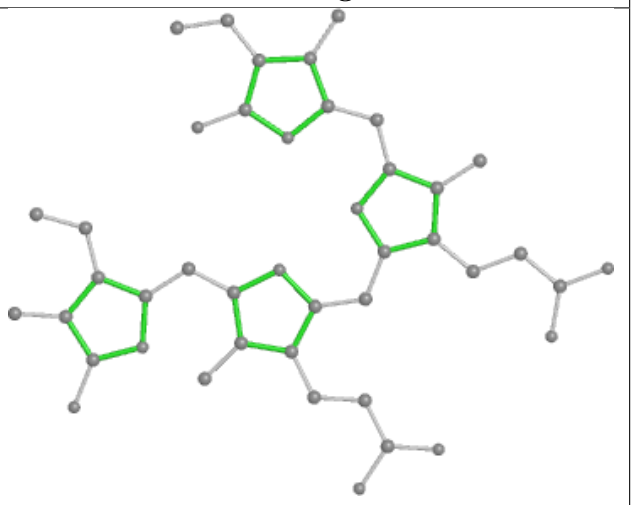
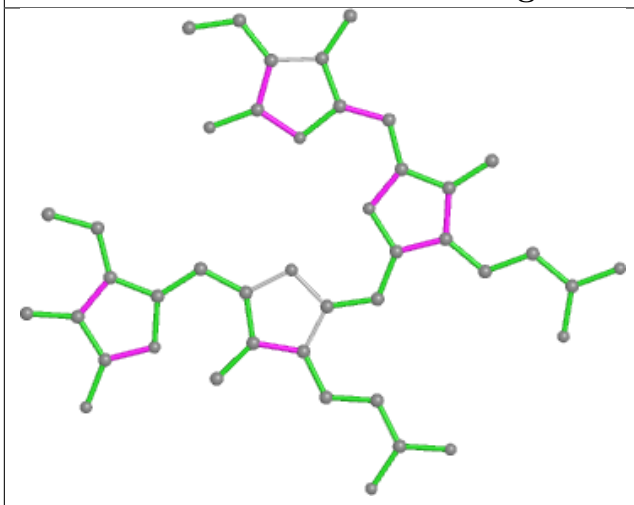


Rings

Ligand PUB n6 203



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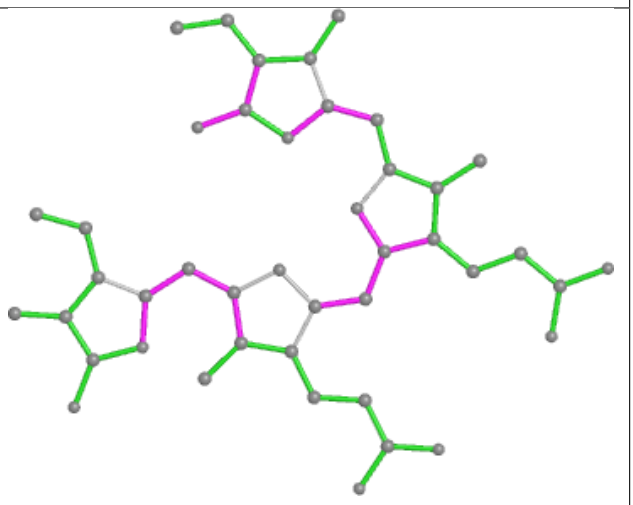

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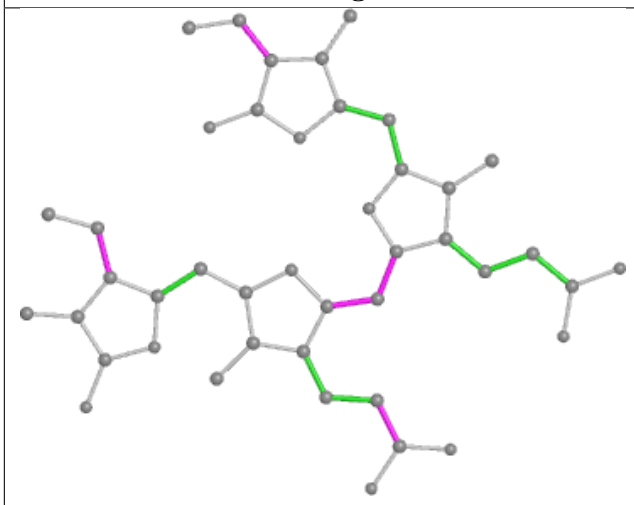

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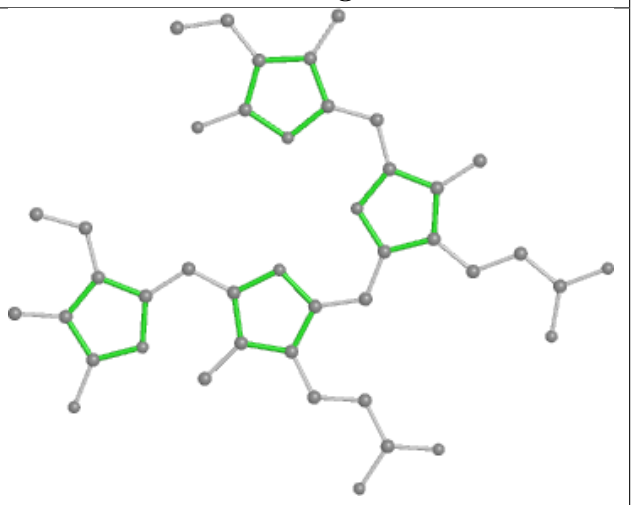

Rings

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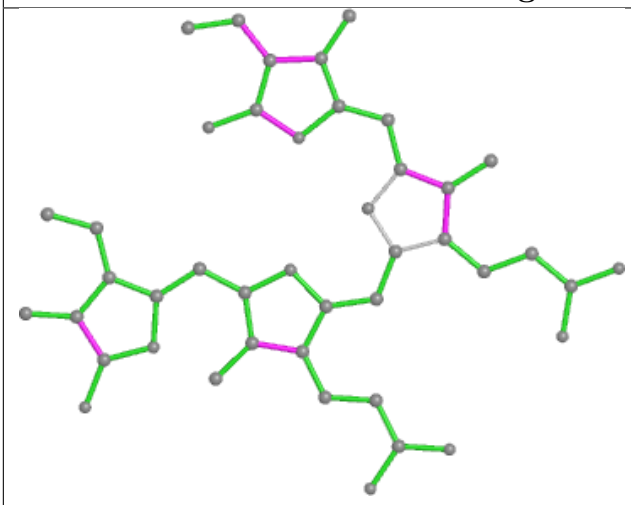

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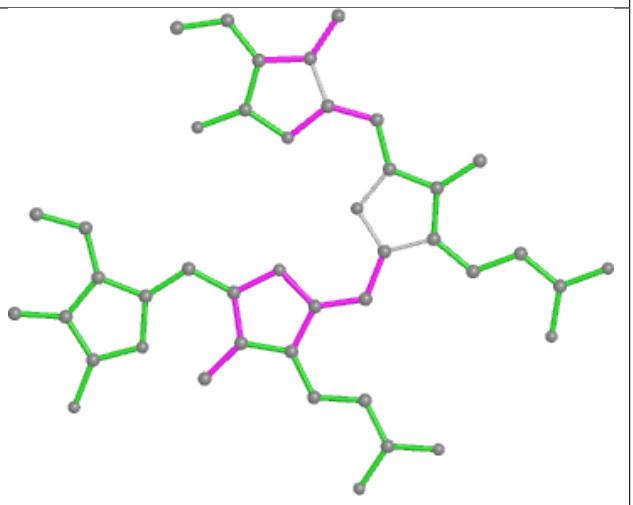

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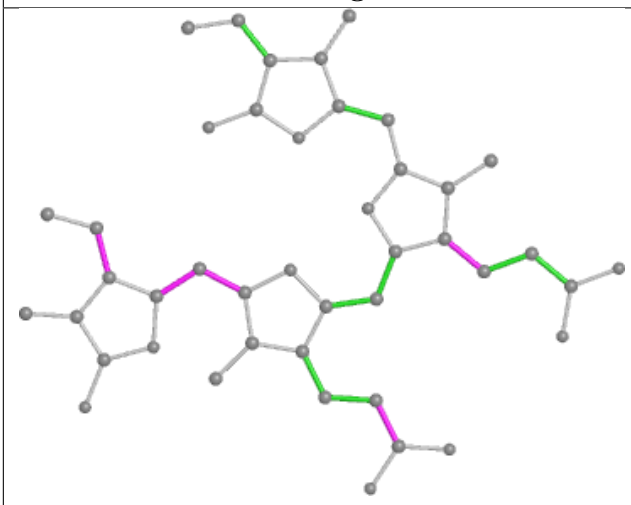

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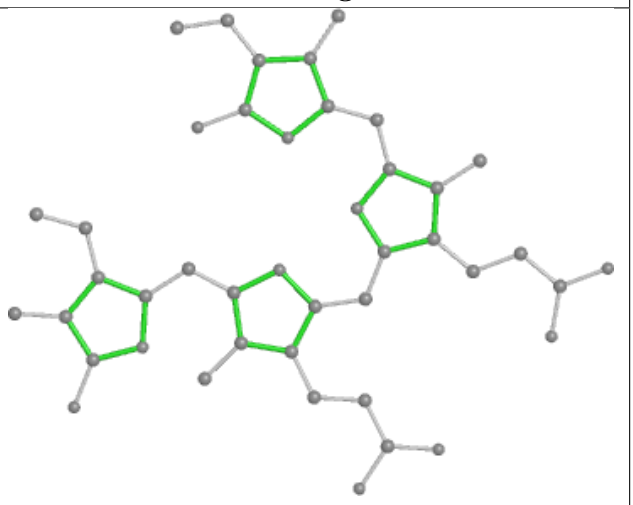
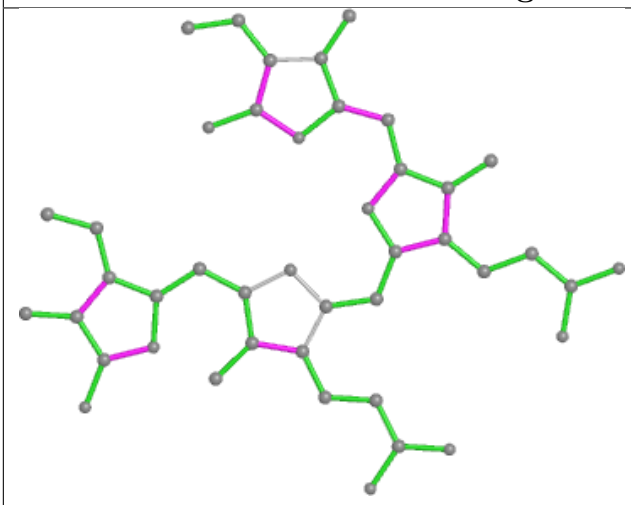


Rings

Ligand PUB d8 304



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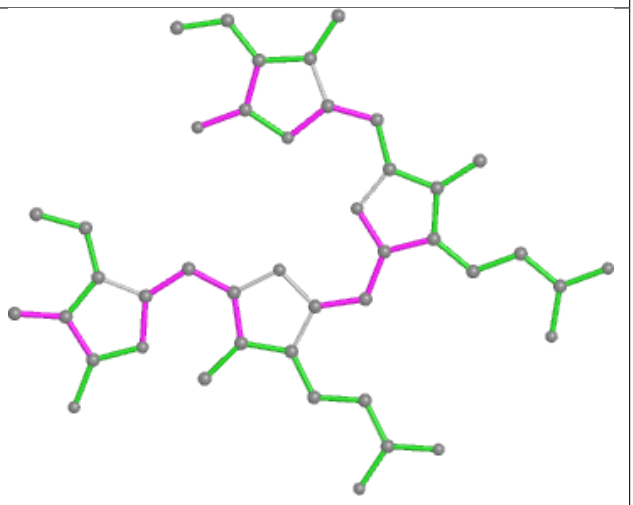

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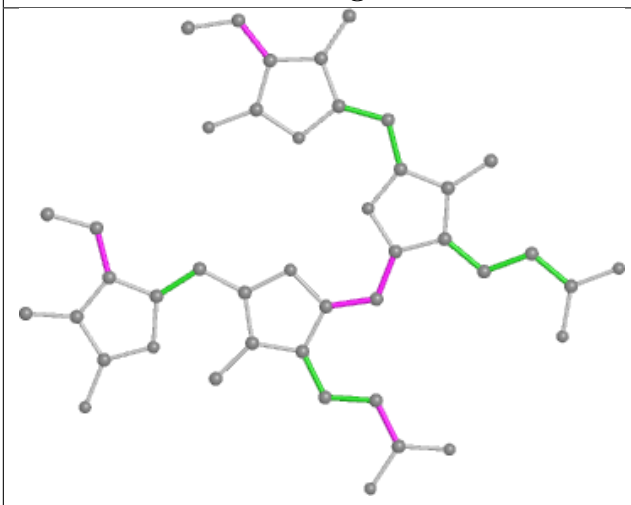

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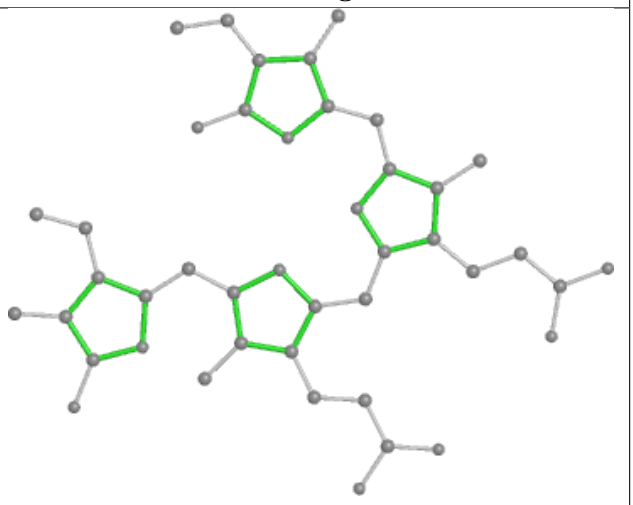

Rings

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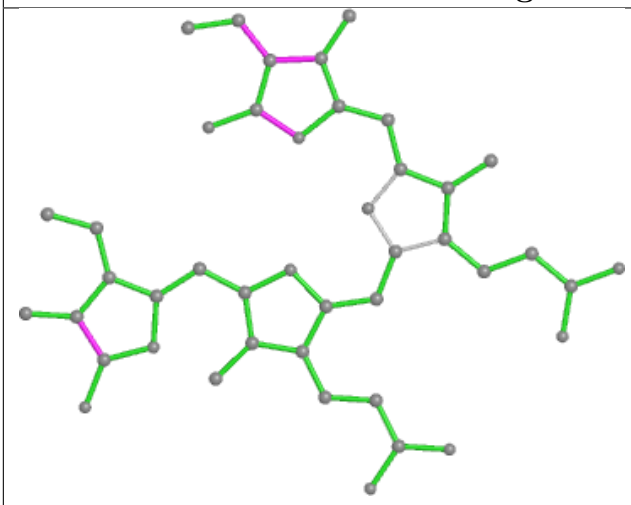

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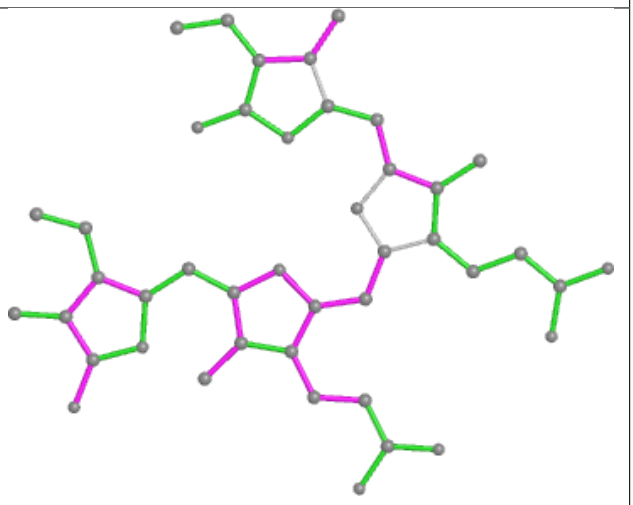

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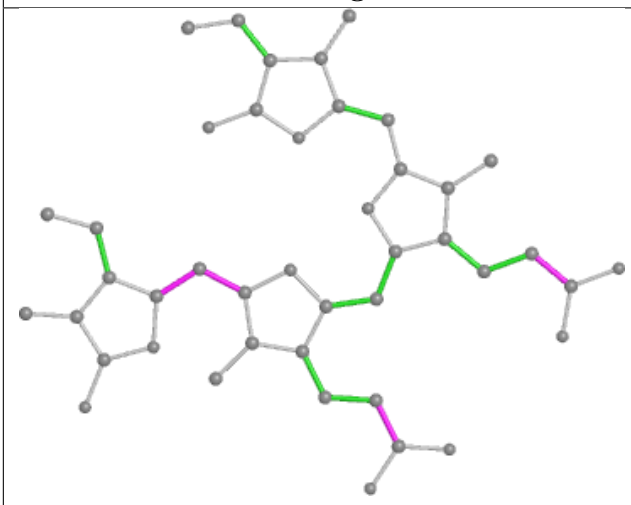

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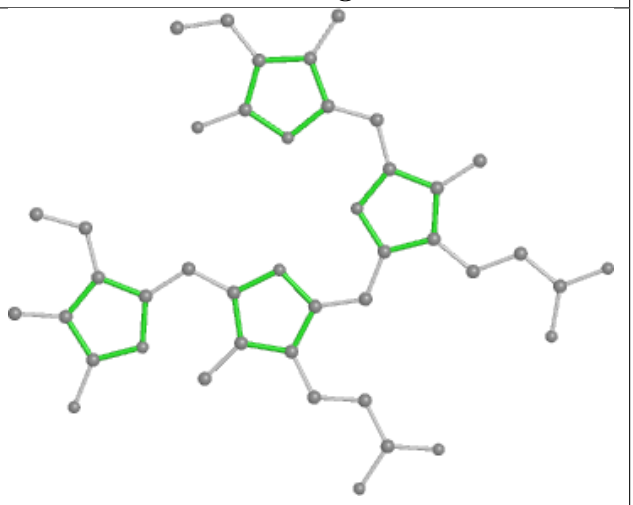
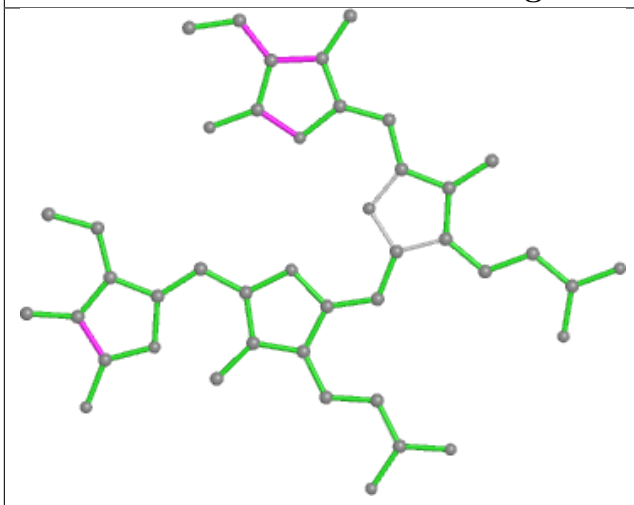


Rings

Ligand PEB l5 201



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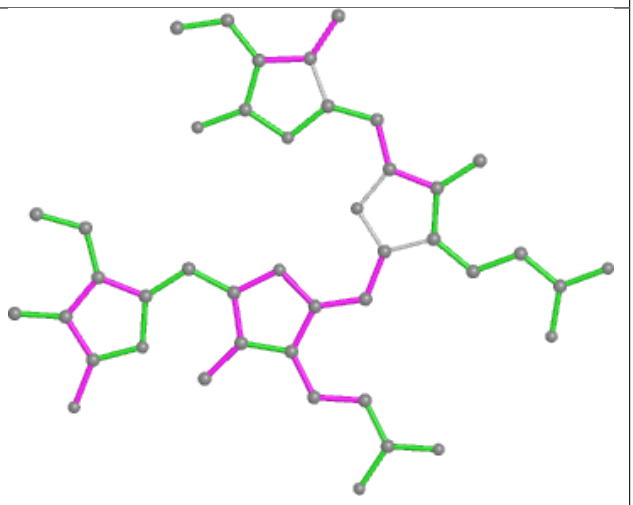

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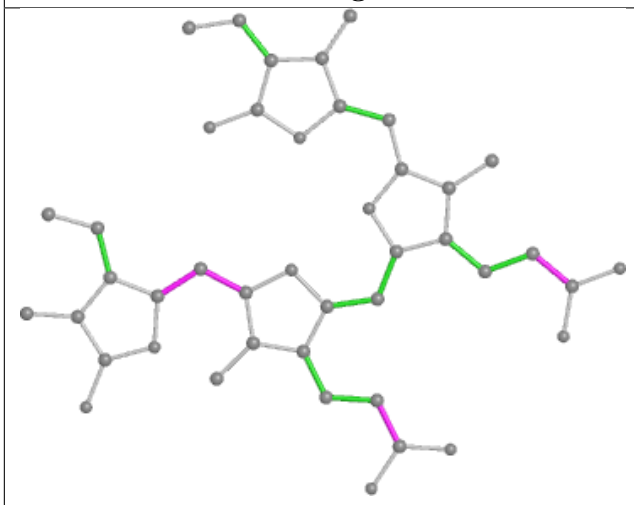

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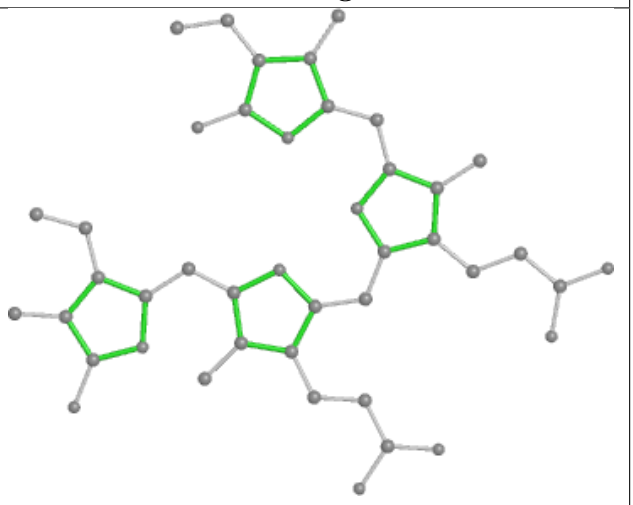
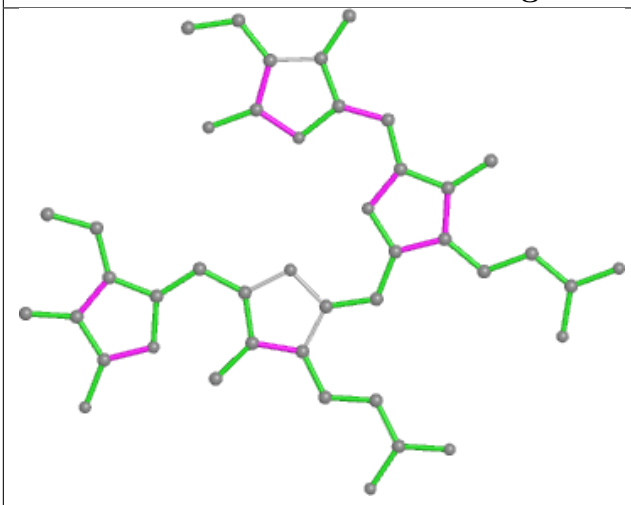


Rings

Ligand PUB lx 201



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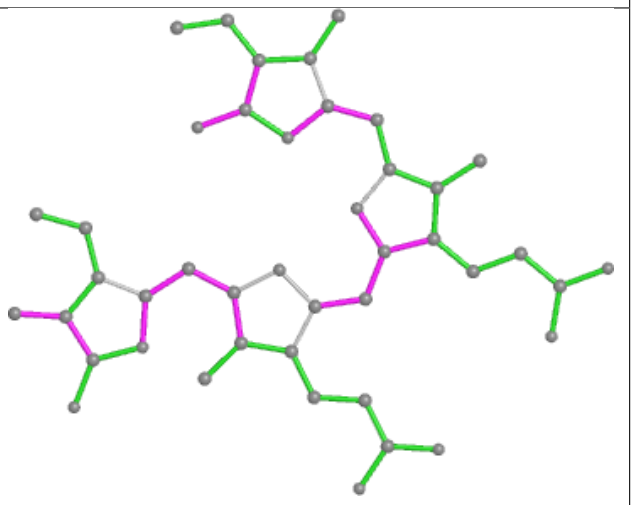
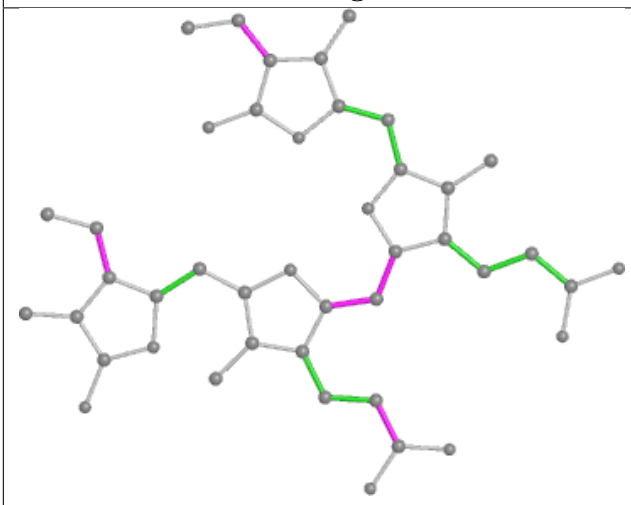


Bond angles



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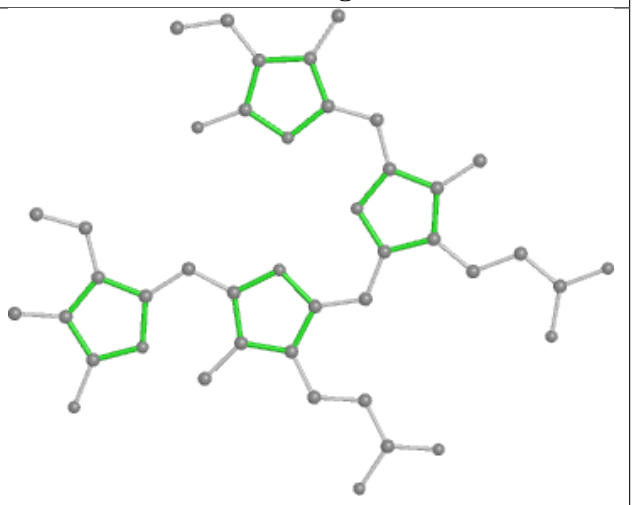
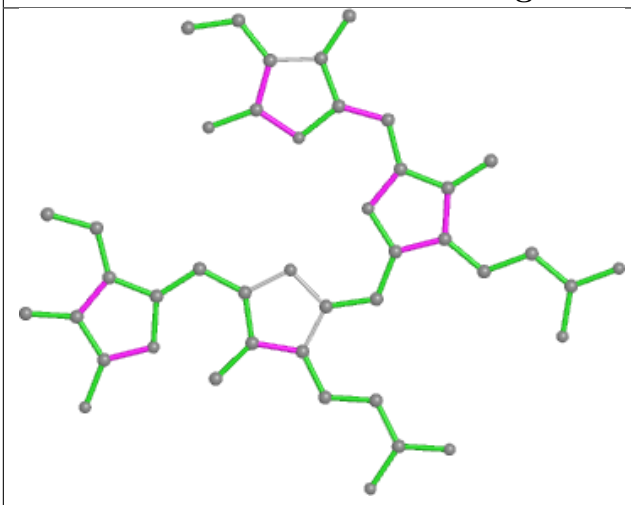
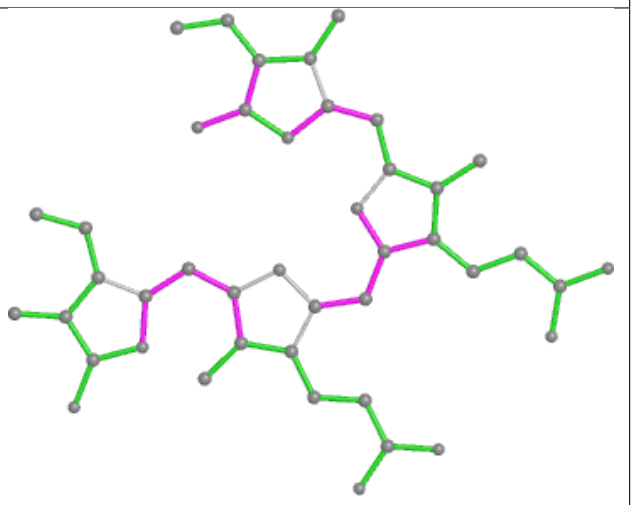


Rings

Ligand PUB eP 204



Bond lengths



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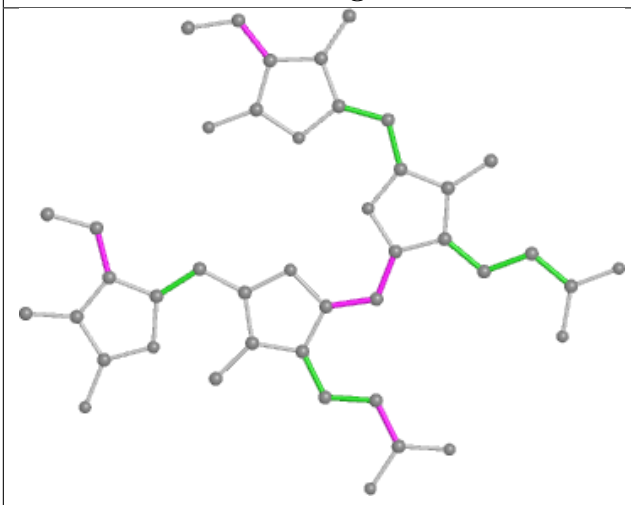
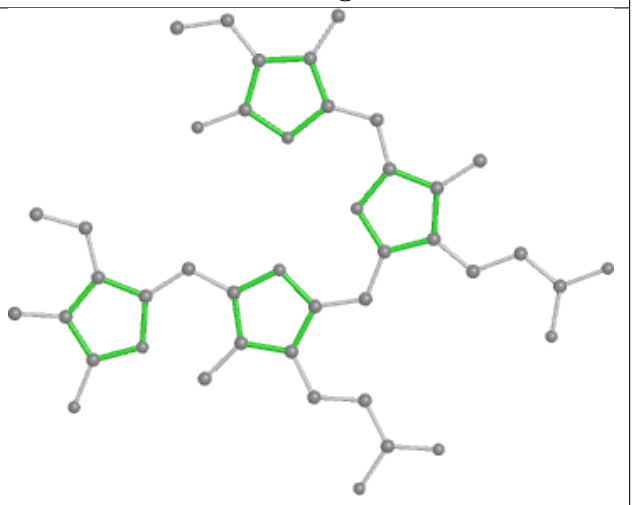
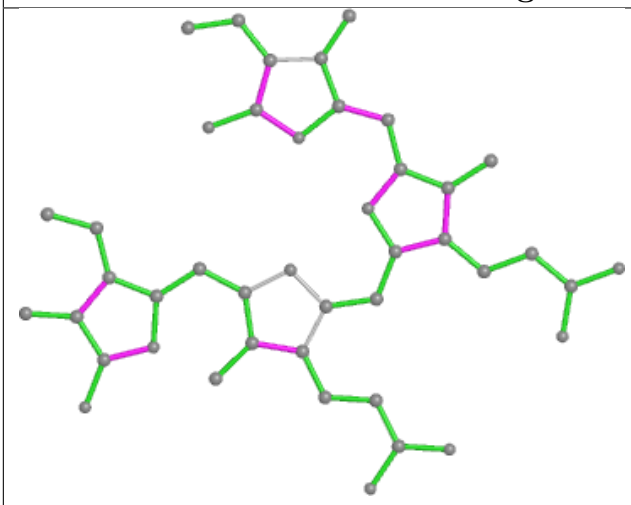


Torsions



Rings

Ligand PUB cL 203



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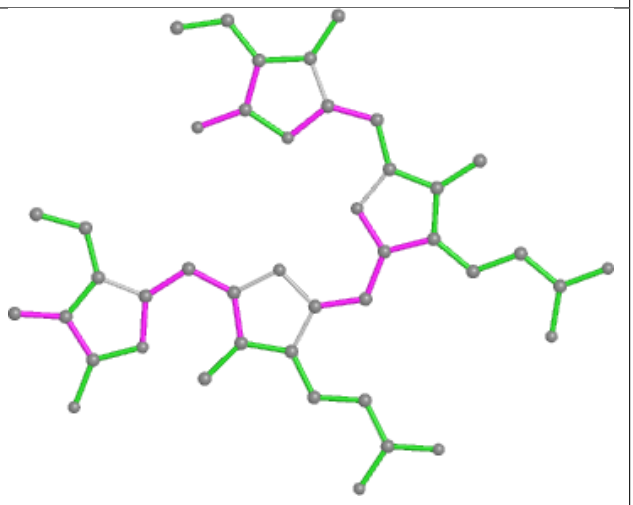

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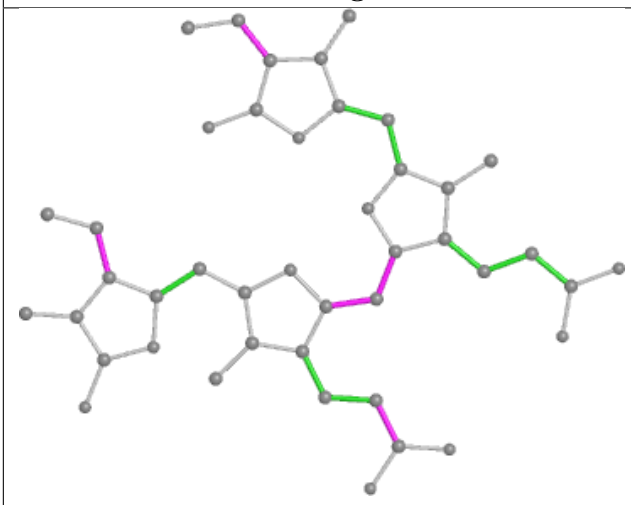

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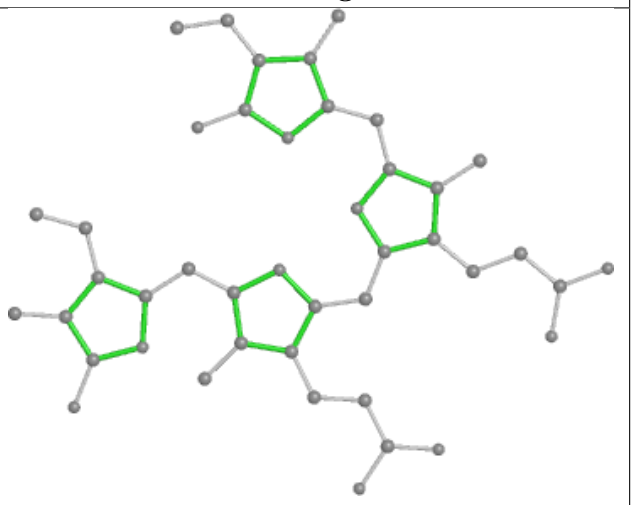
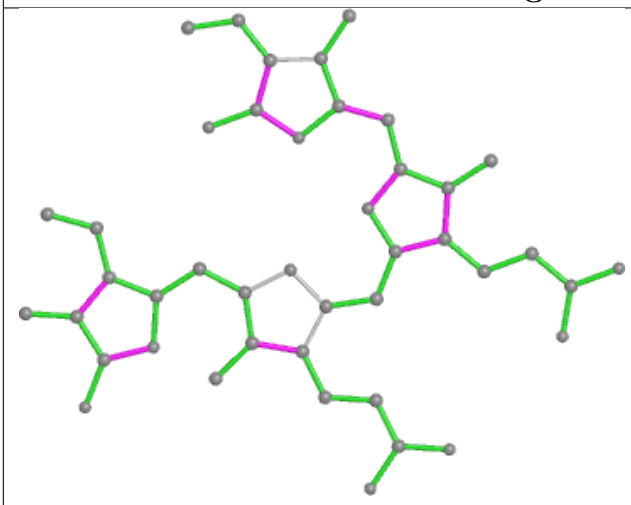


Rings

Ligand PUB lj 202



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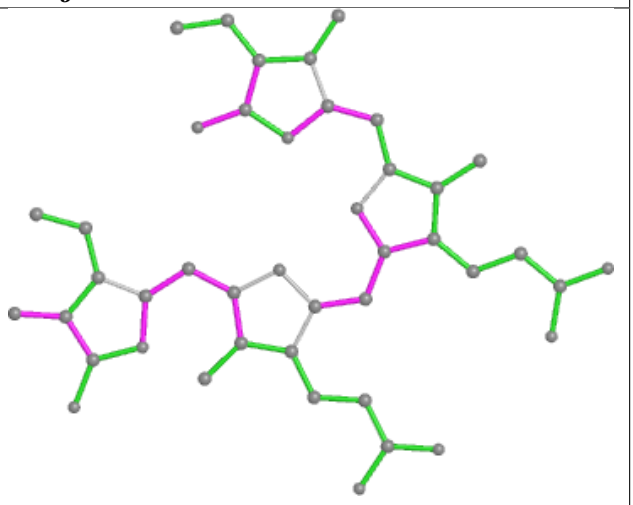

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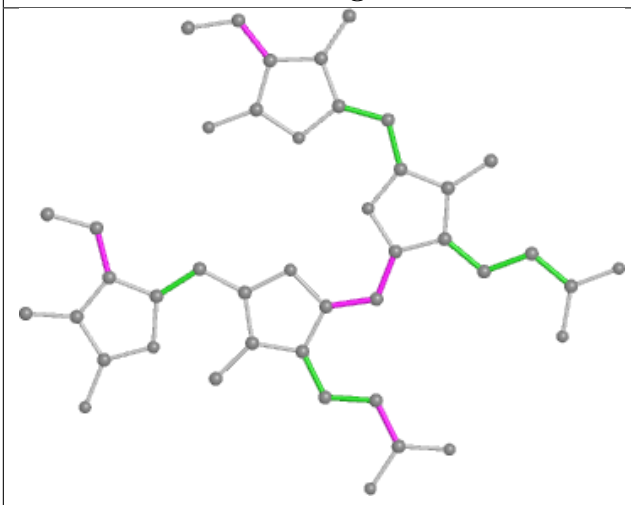

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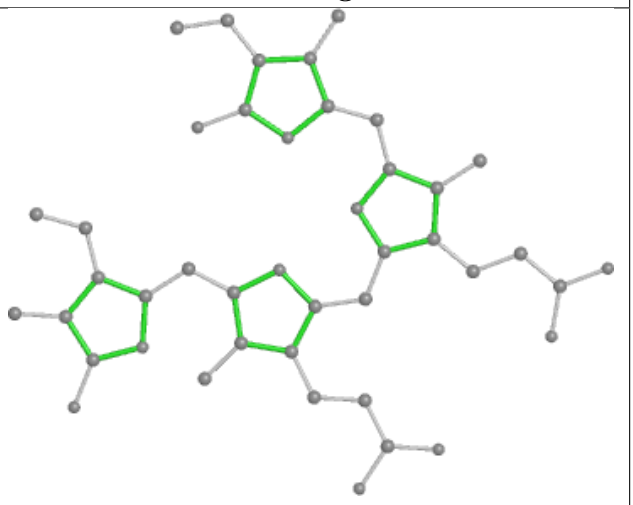
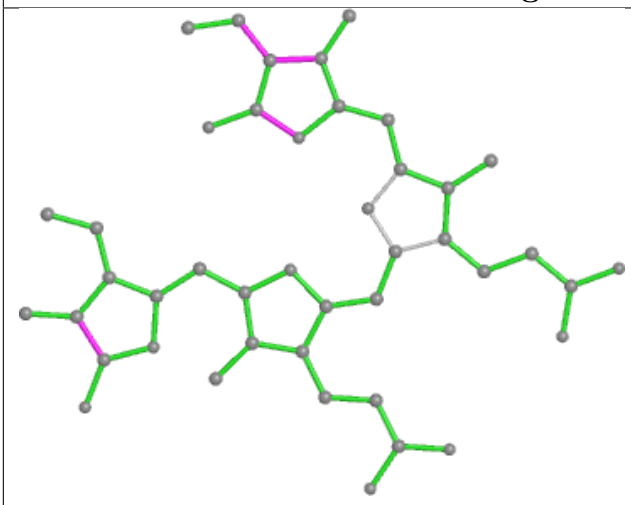


Rings

Ligand PEB s6 201



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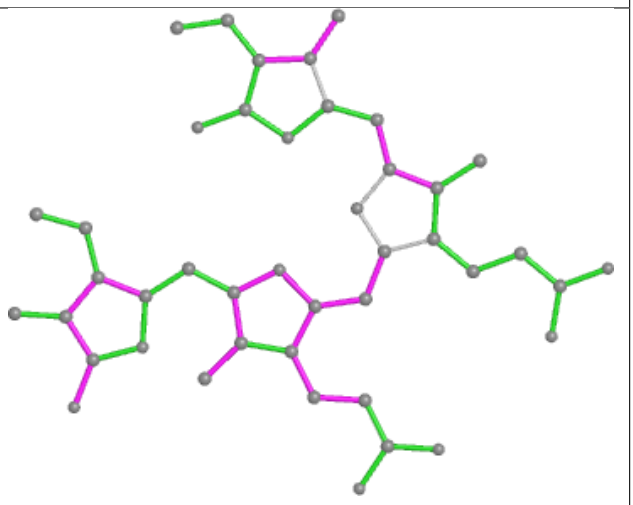

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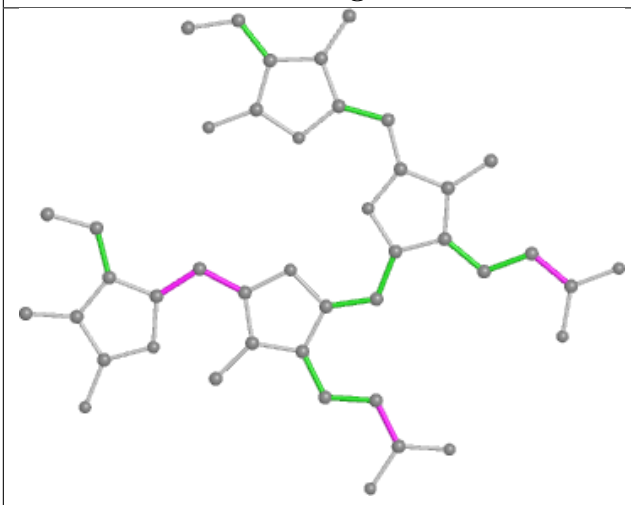

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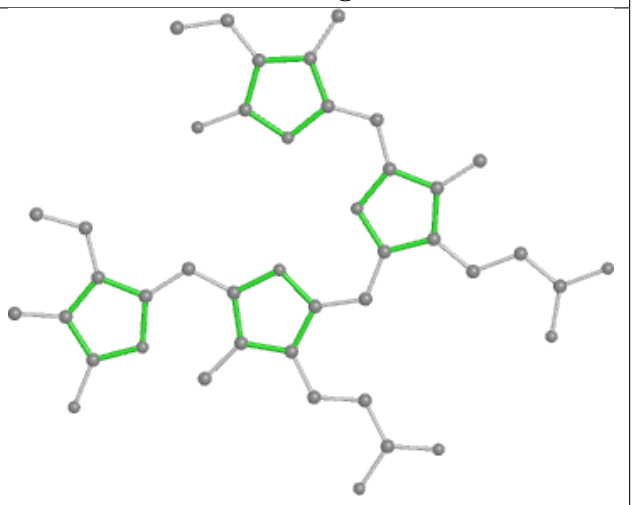

Rings

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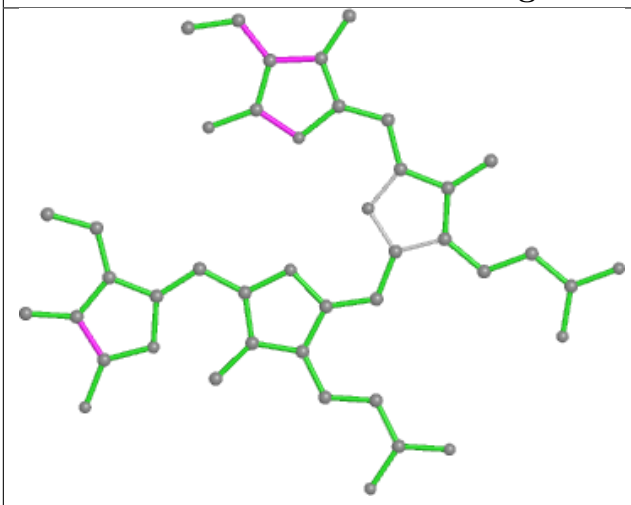

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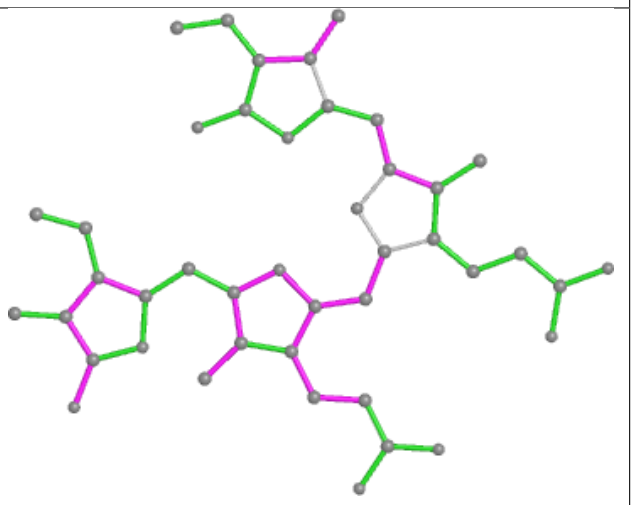

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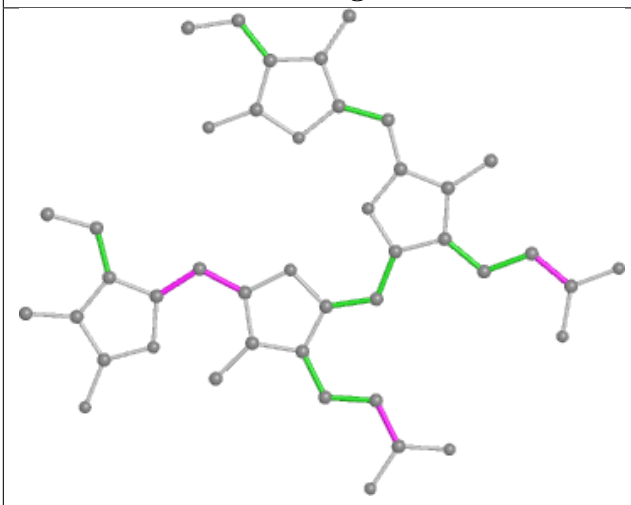

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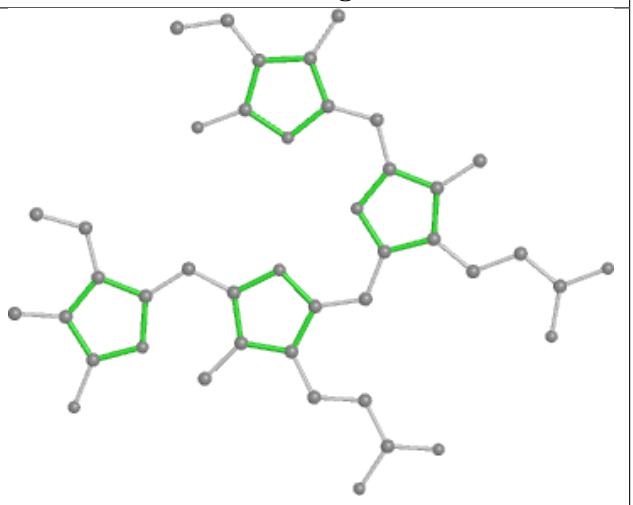

Rings

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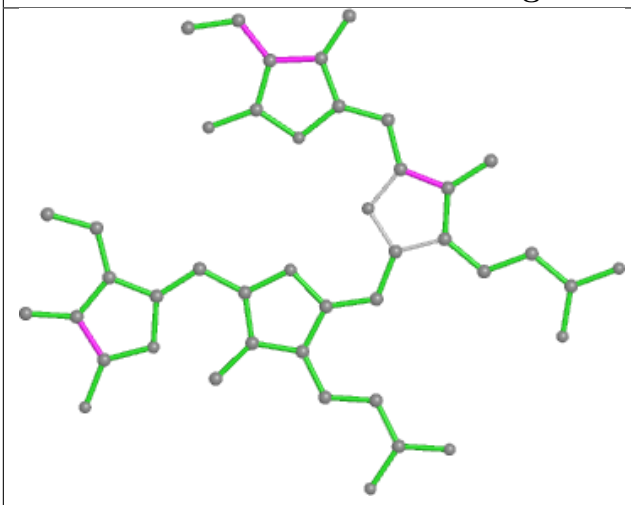

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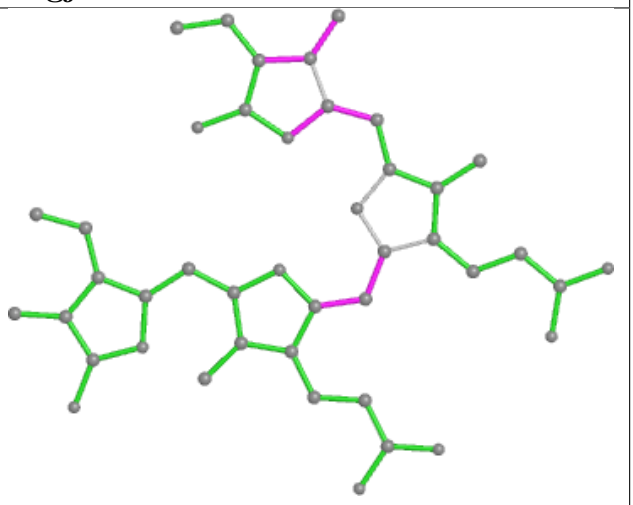

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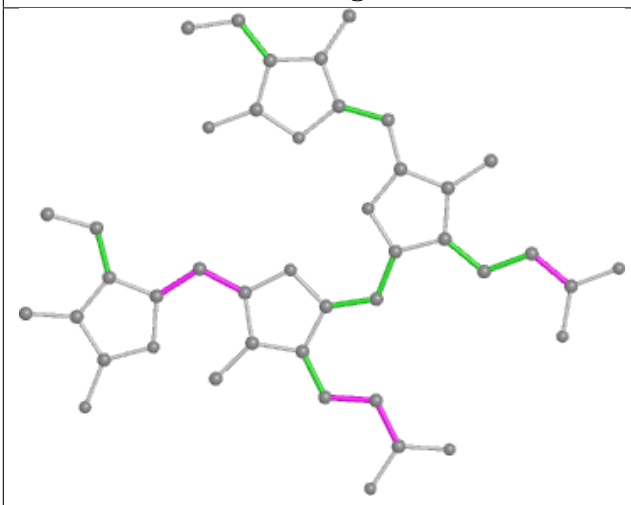

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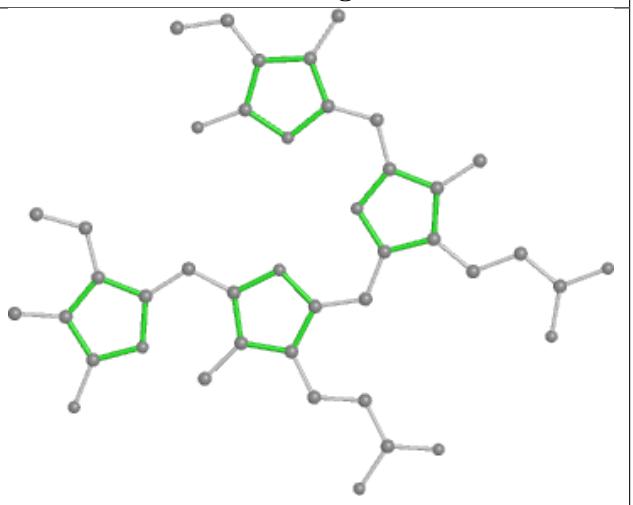
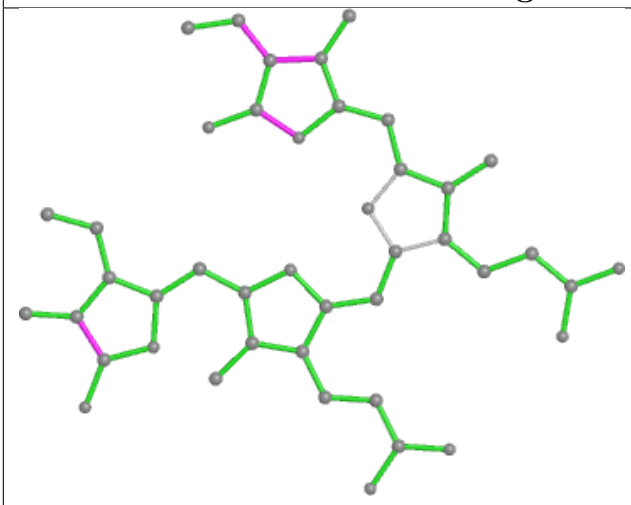


Rings

Ligand PEB P3 201



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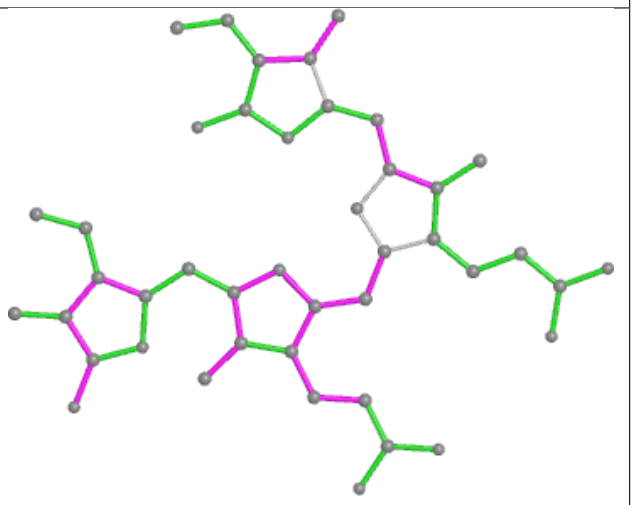

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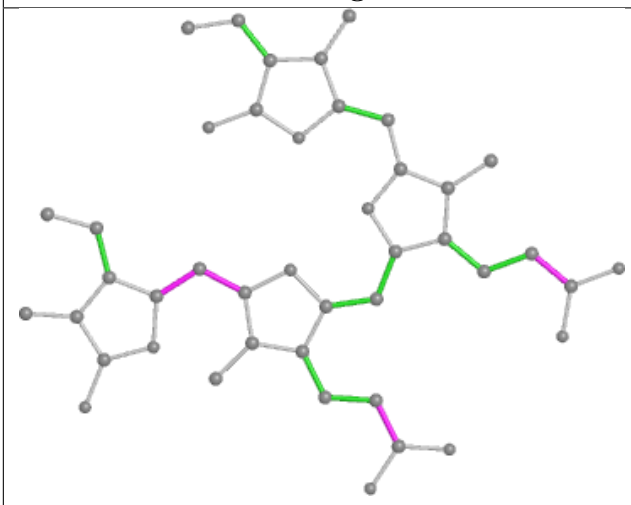

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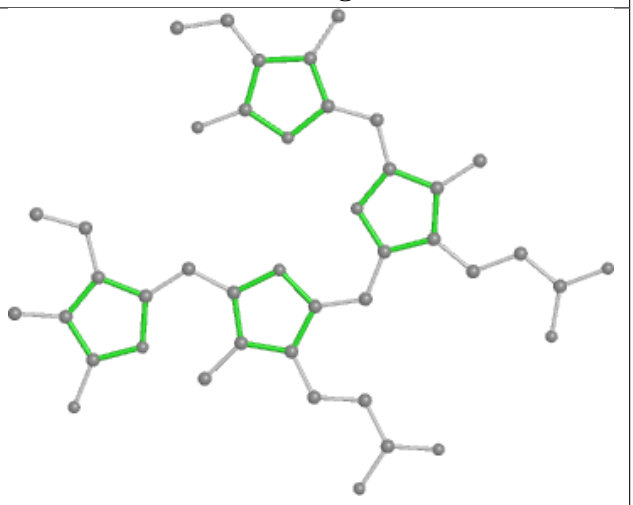
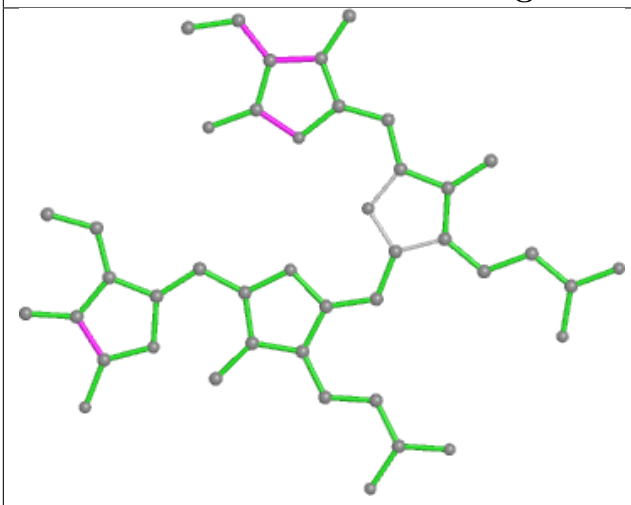


Rings

Ligand PEB C6 201



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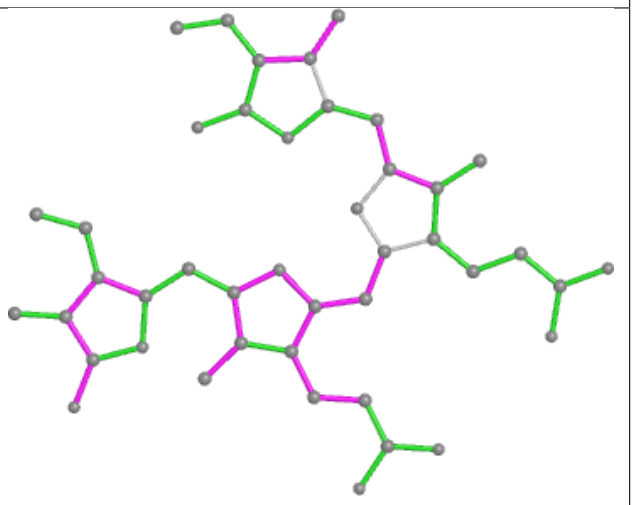

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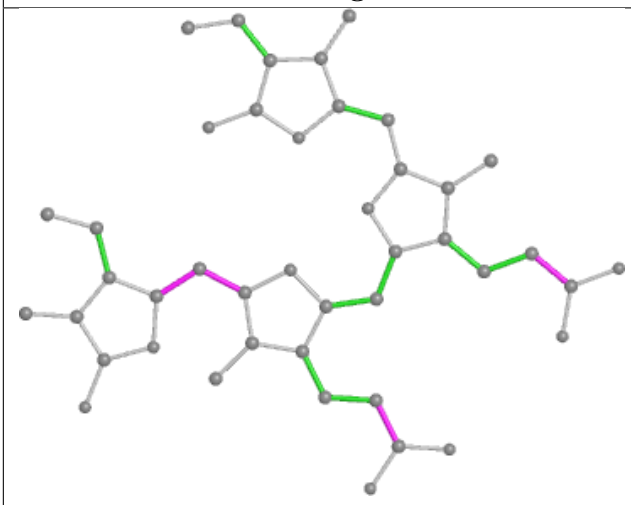

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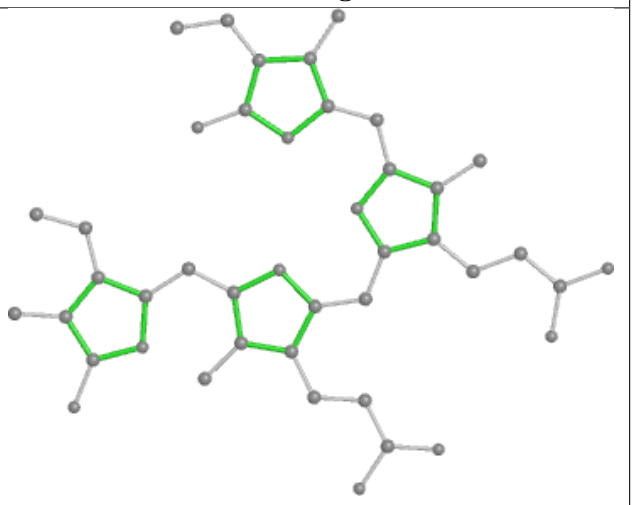

Rings

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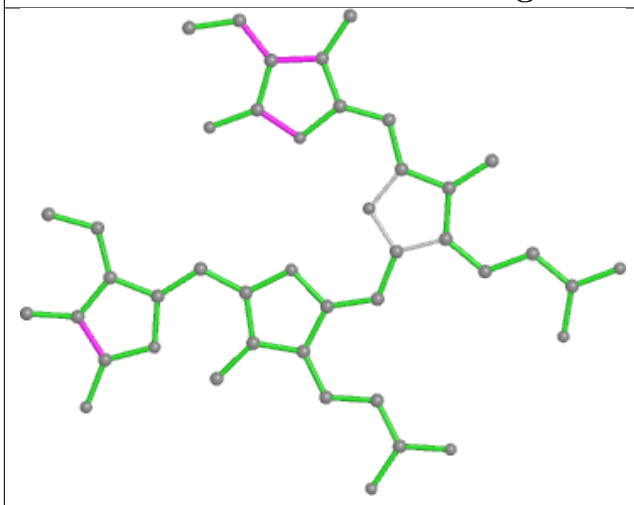

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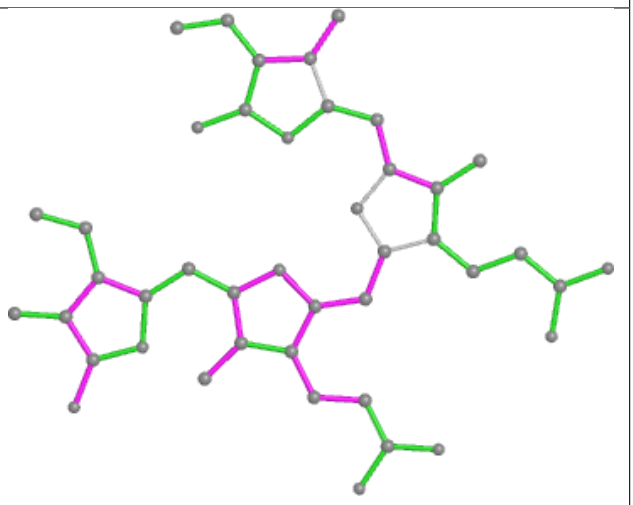

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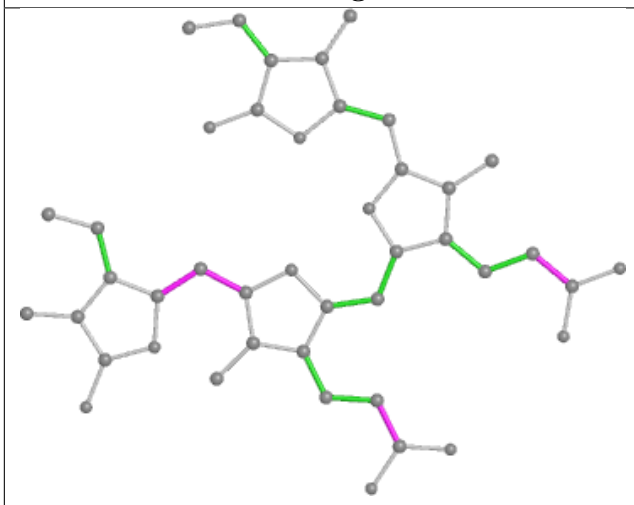

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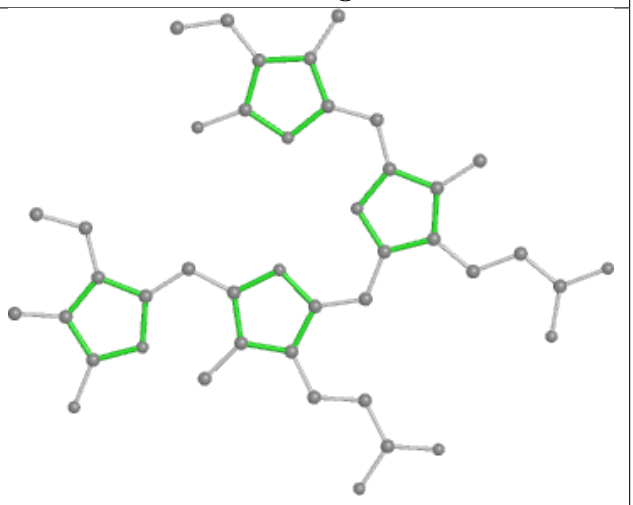
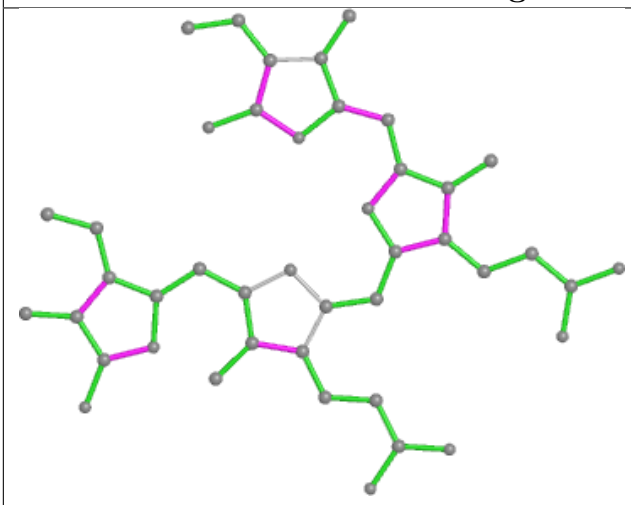


Rings

Ligand PUB iC 1003



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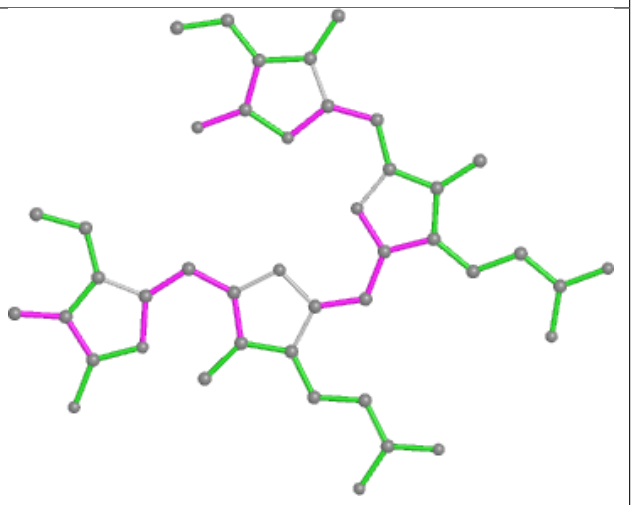

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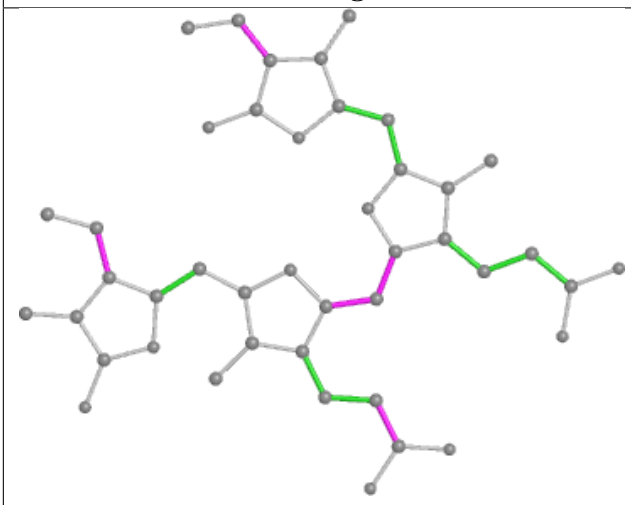

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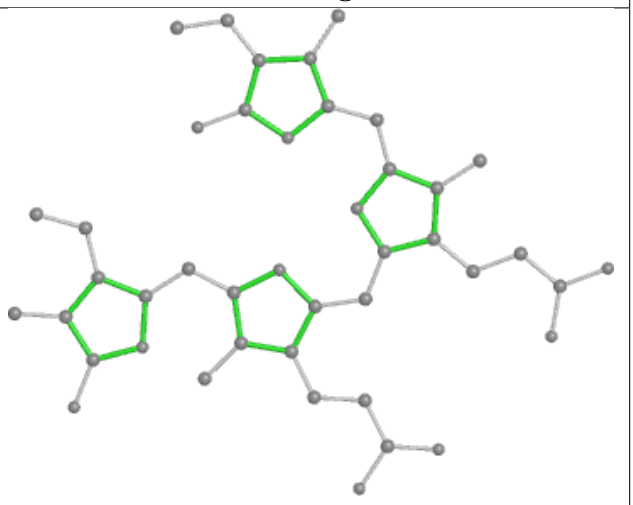
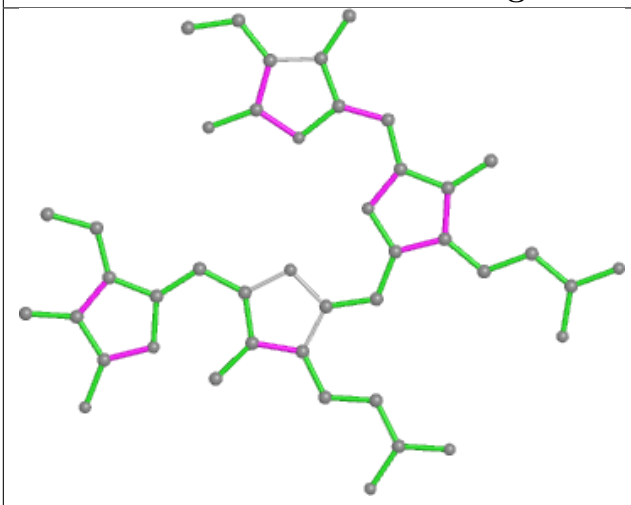


Rings

Ligand PUB b8 1006



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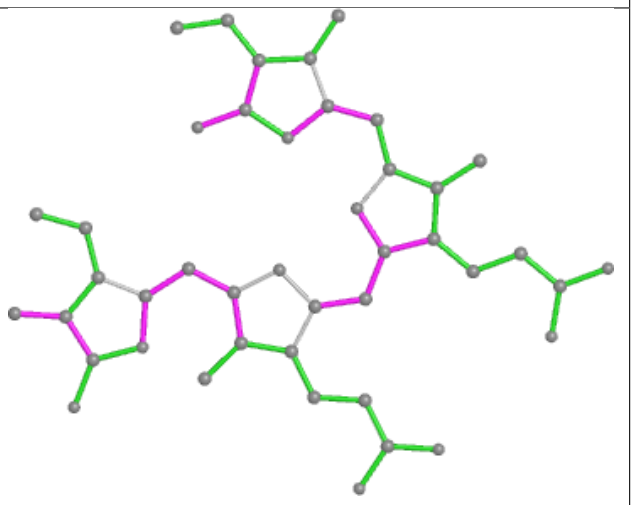

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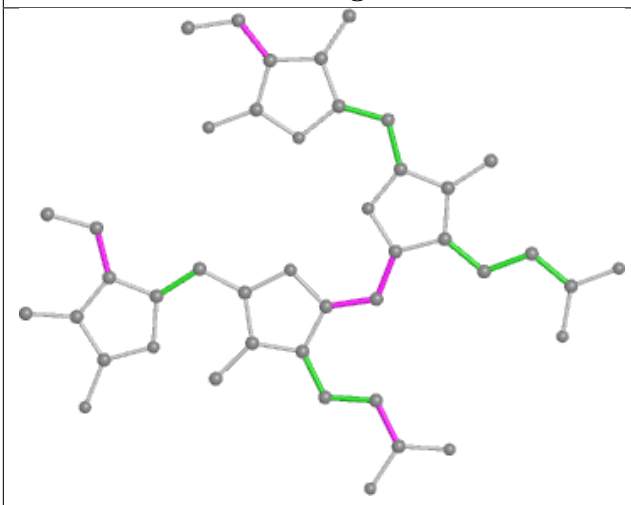

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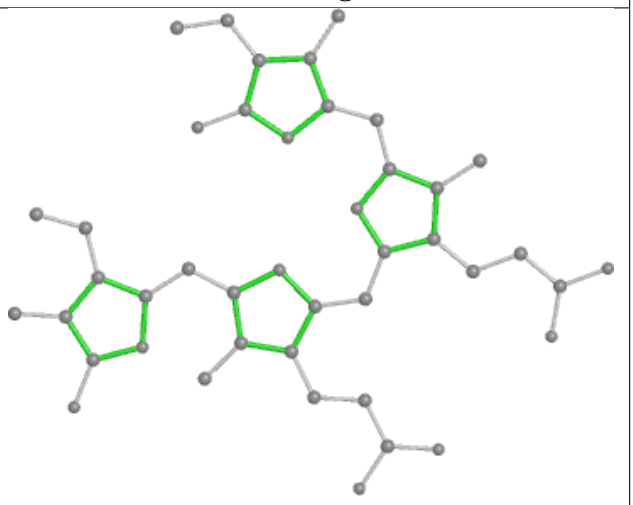
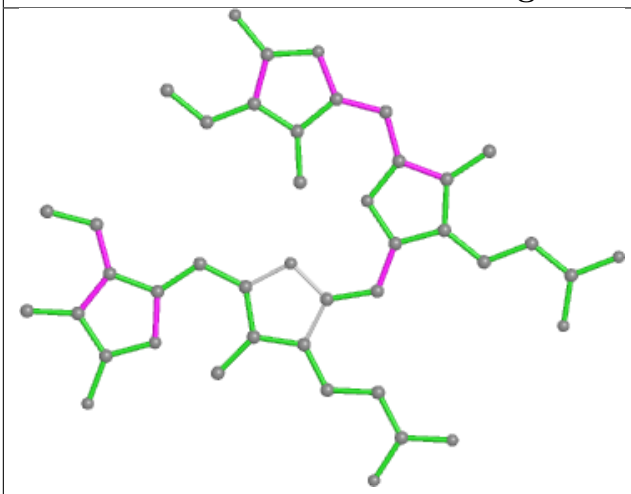


Rings

Ligand PVN e8 303



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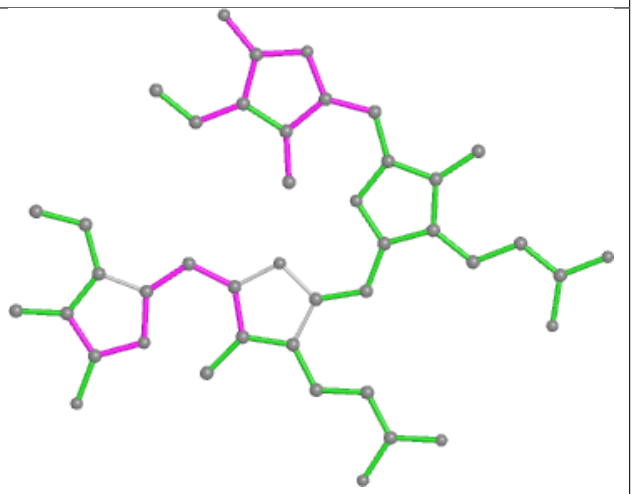
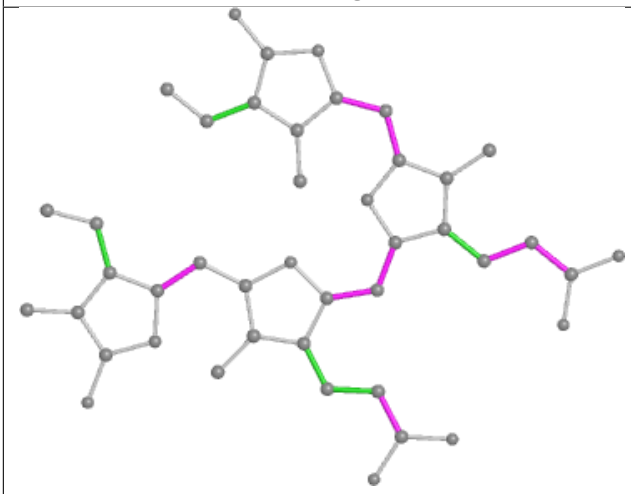


Bond angles



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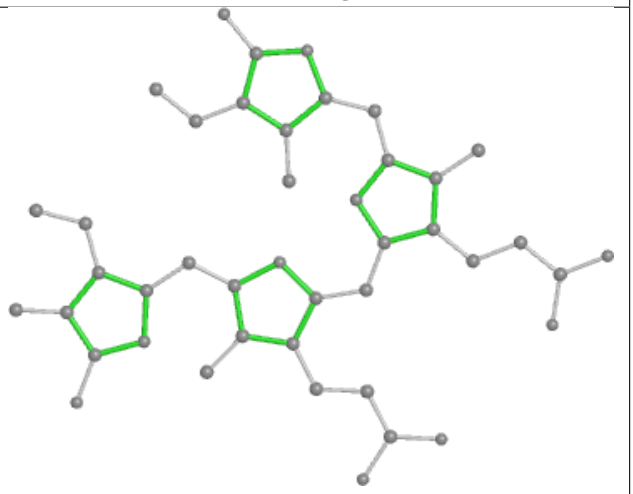
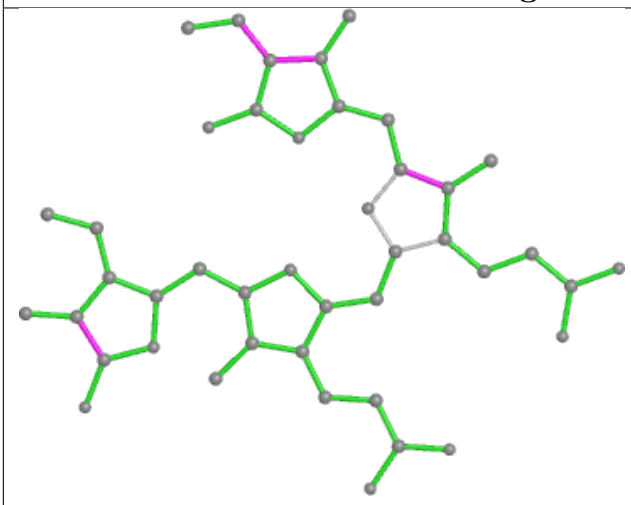


Rings

Ligand PEB g7 202



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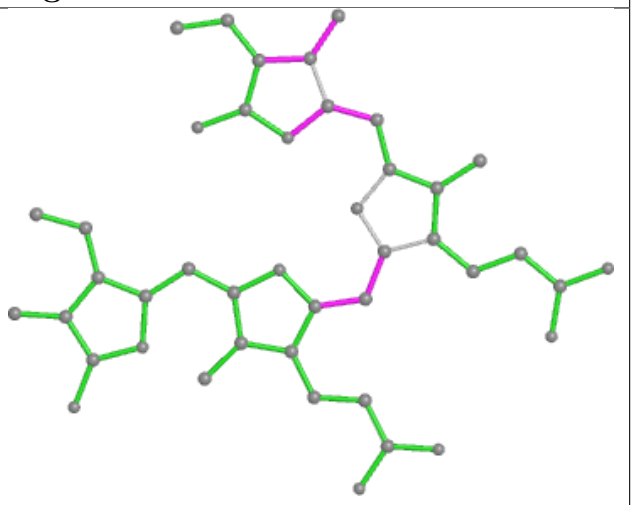

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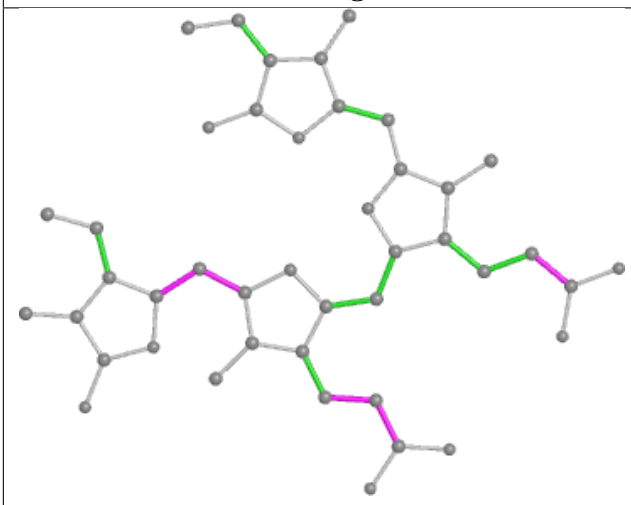

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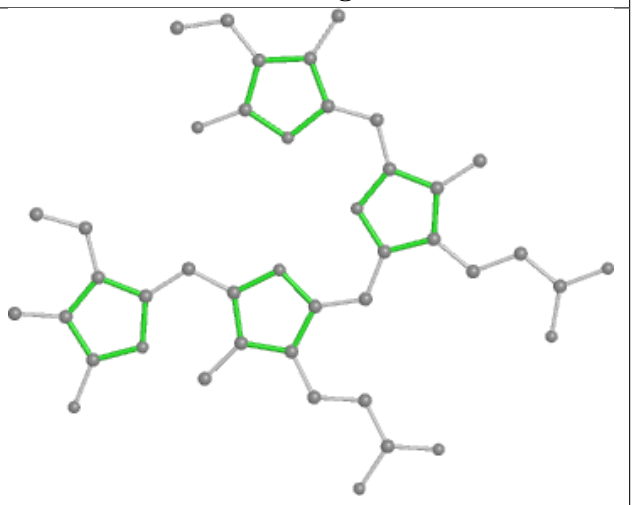

Rings

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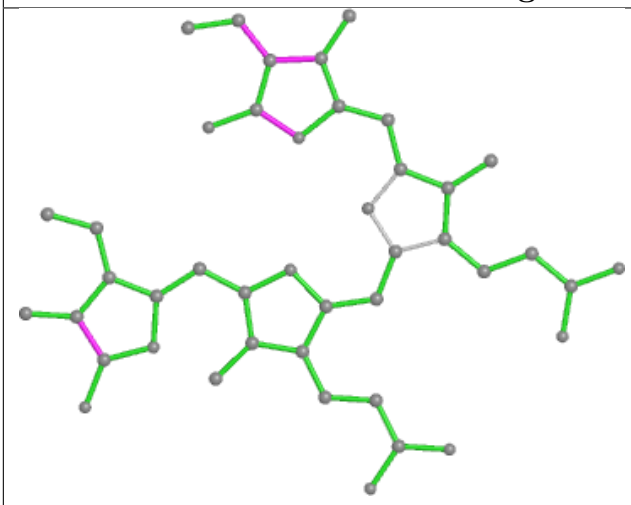

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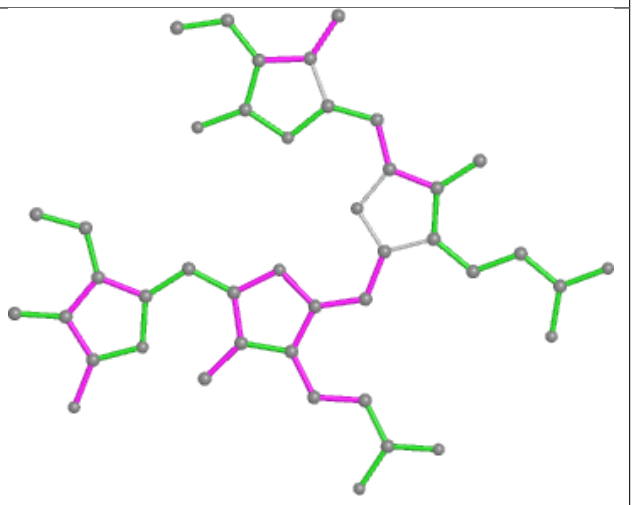
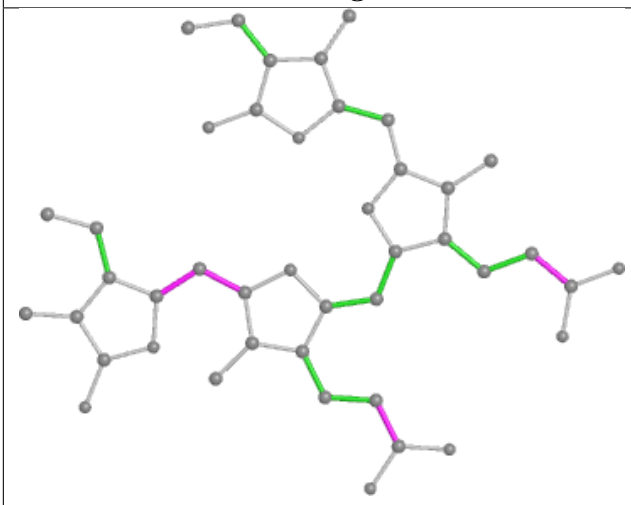
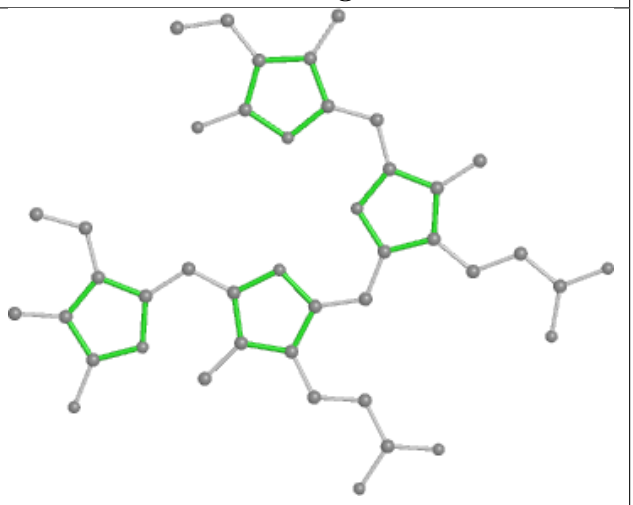


Bond angles

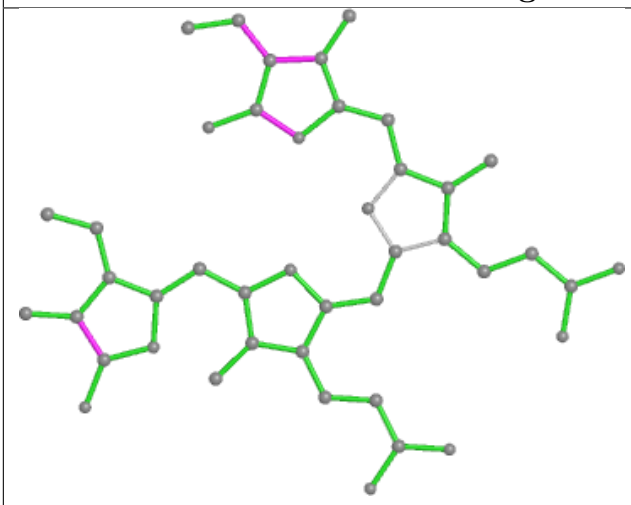


Torsions



Rings

Ligand PEB S5 201



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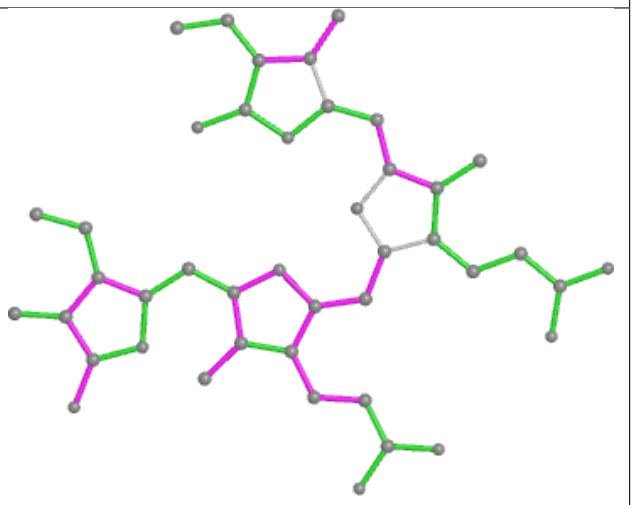

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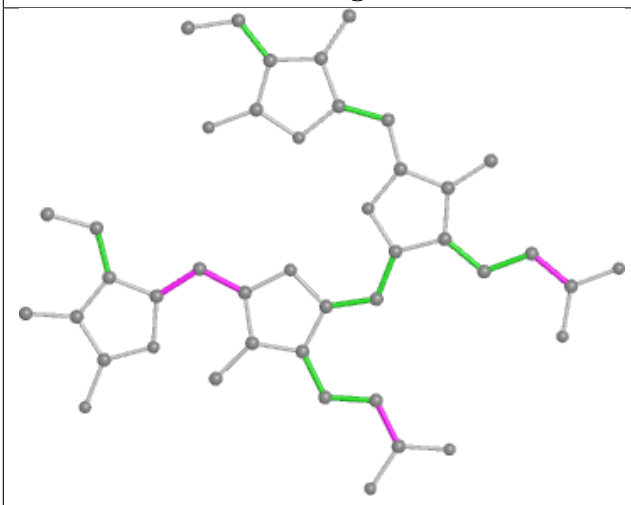

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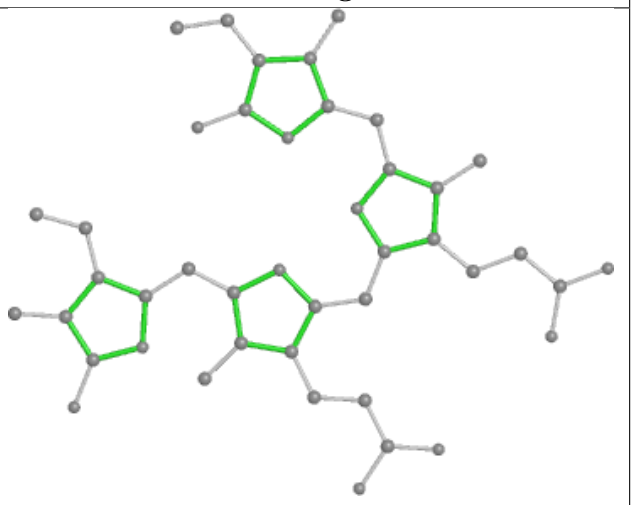
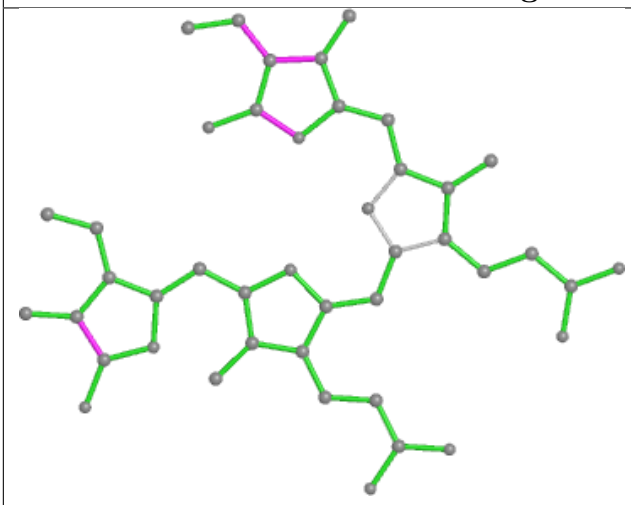


Rings

Ligand PEB e9 303



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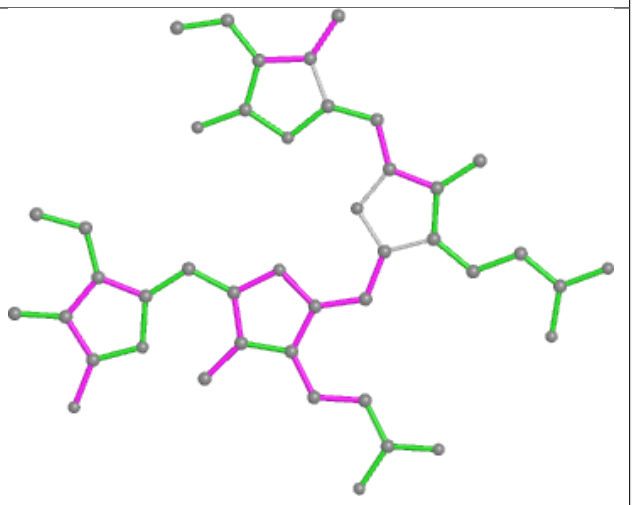

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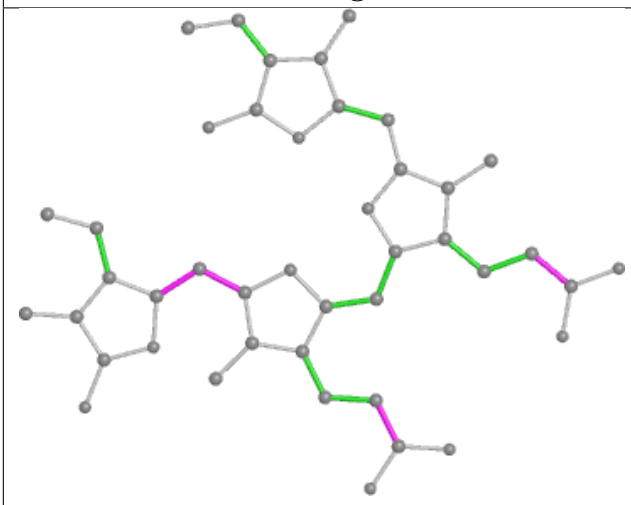

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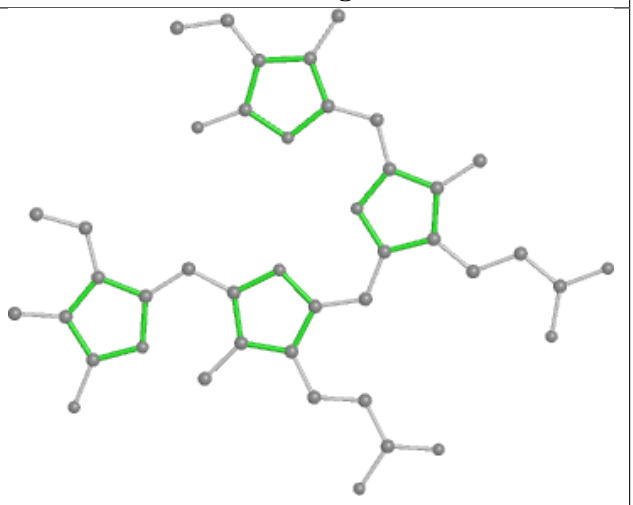
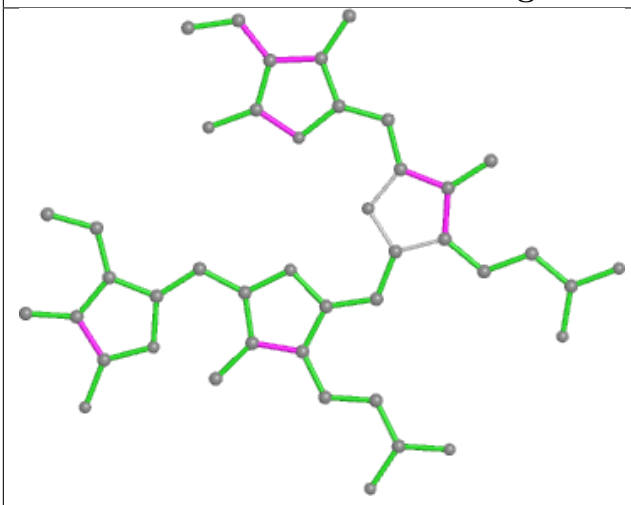


Rings

Ligand PEB F5 202



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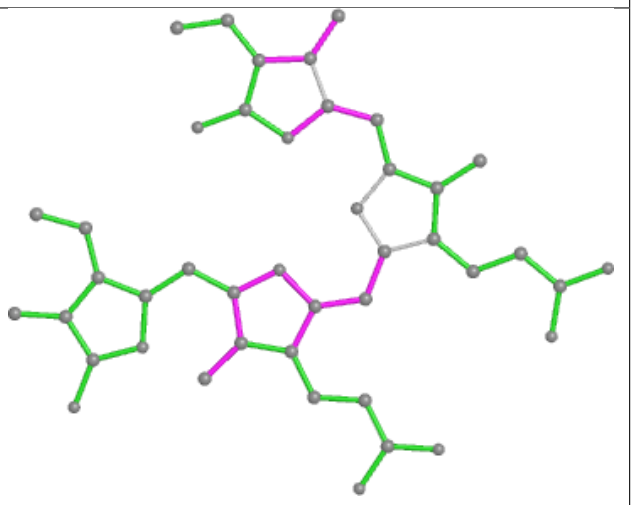

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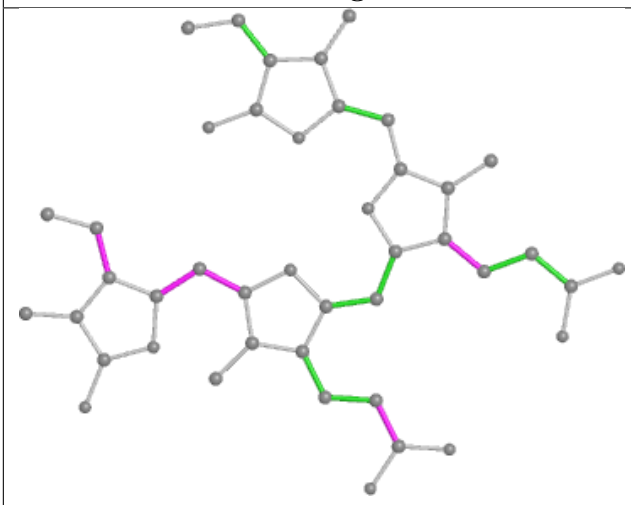

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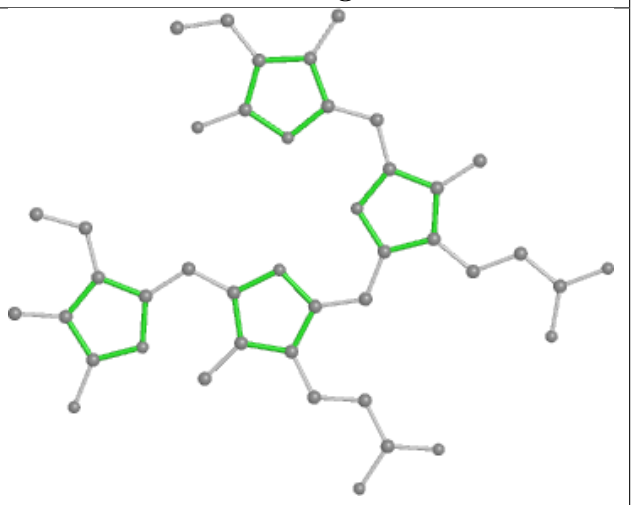
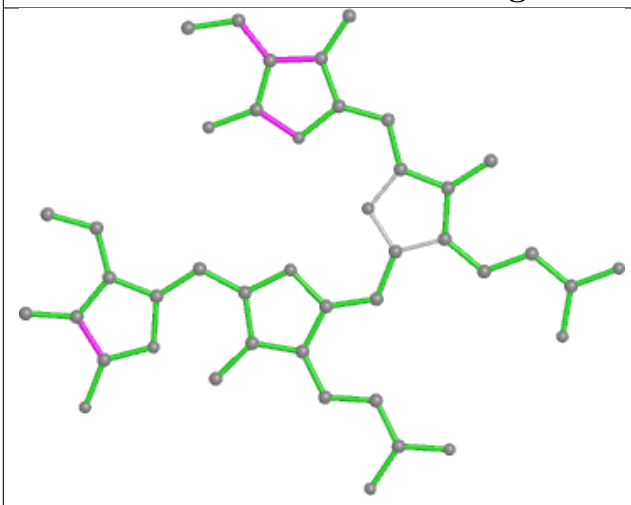


Rings

Ligand PEB lm 1001



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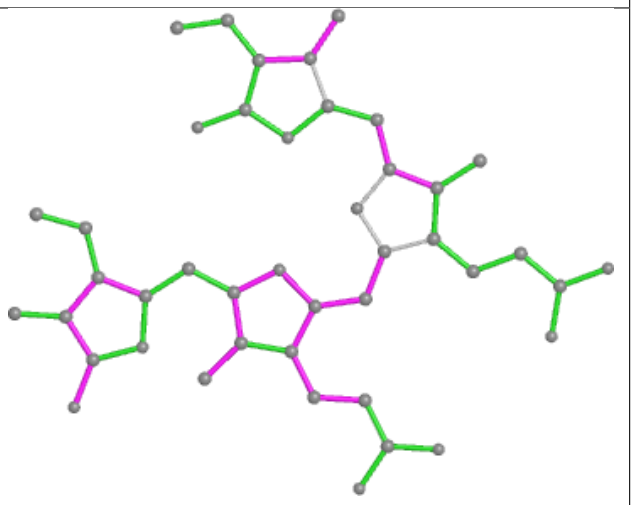

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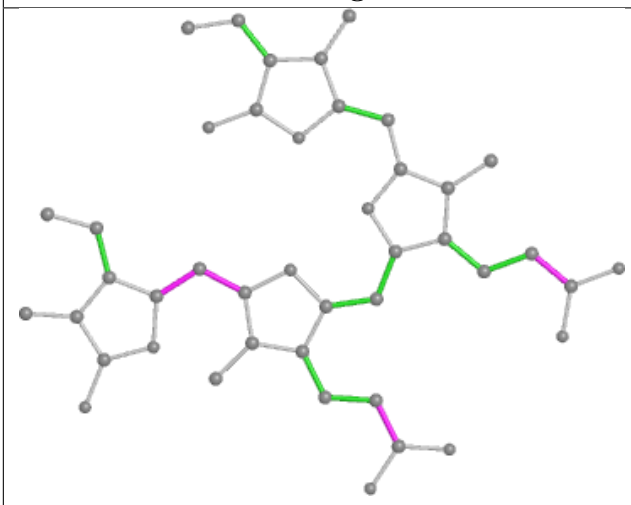

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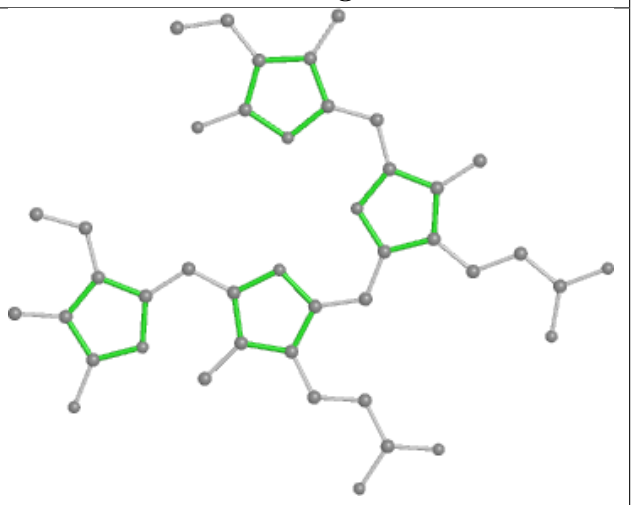

Rings

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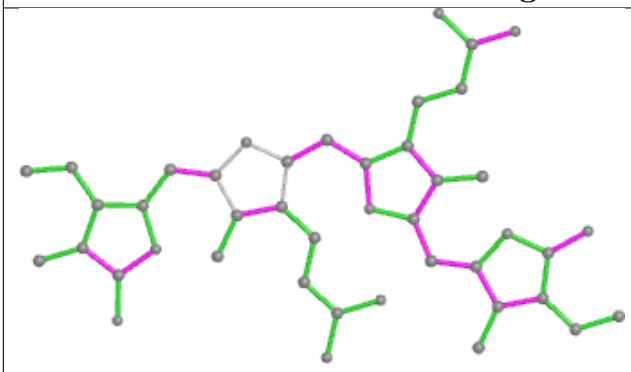

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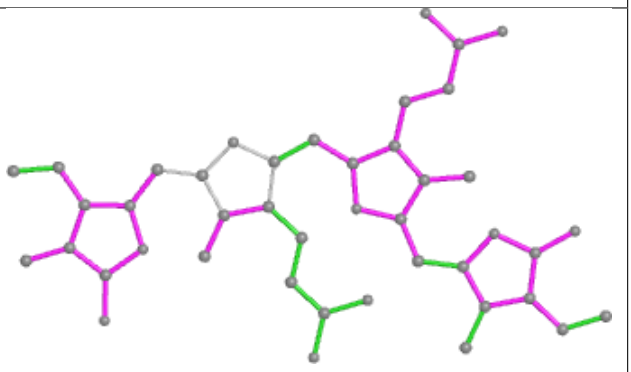

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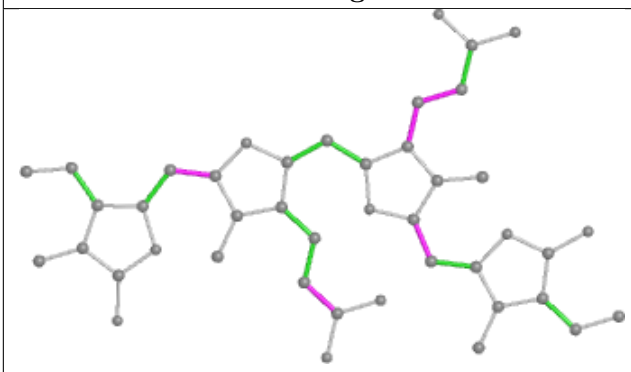

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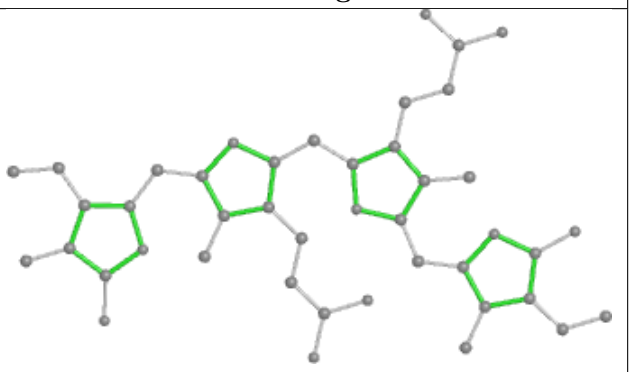

Rings

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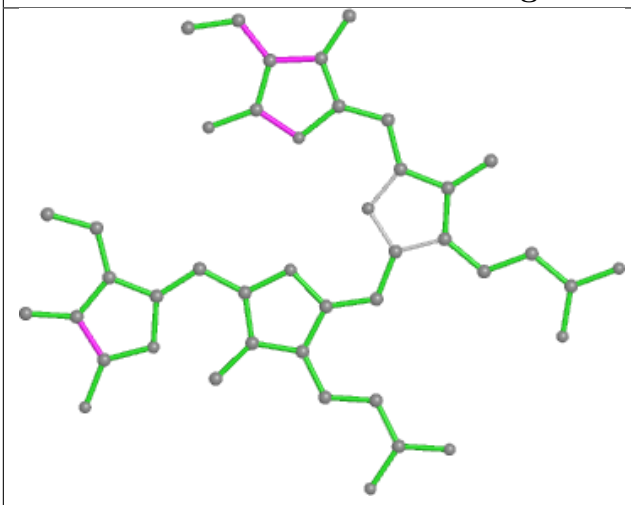

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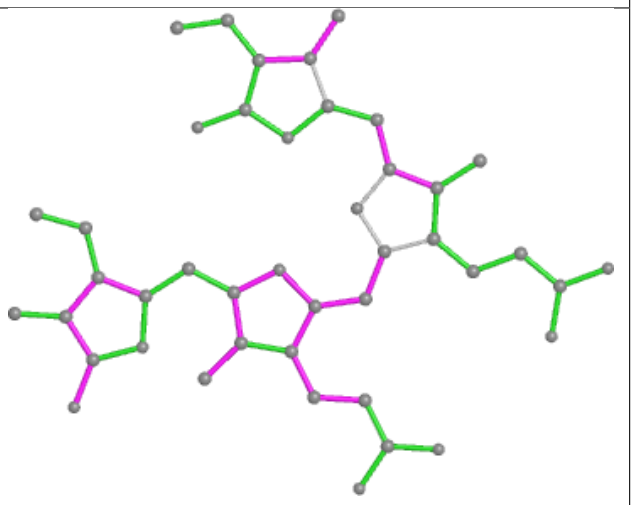

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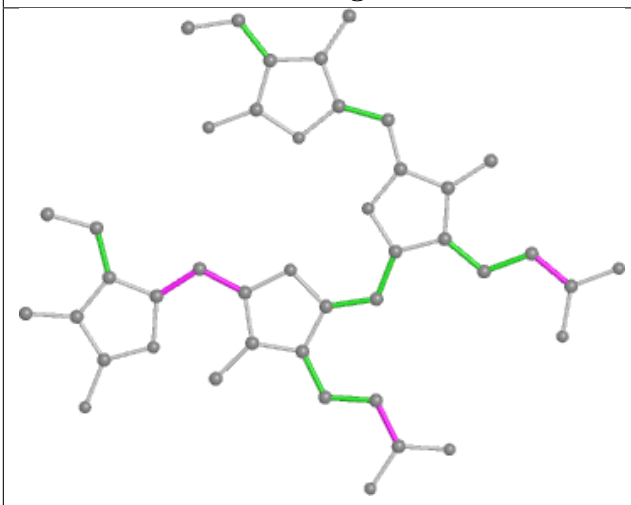

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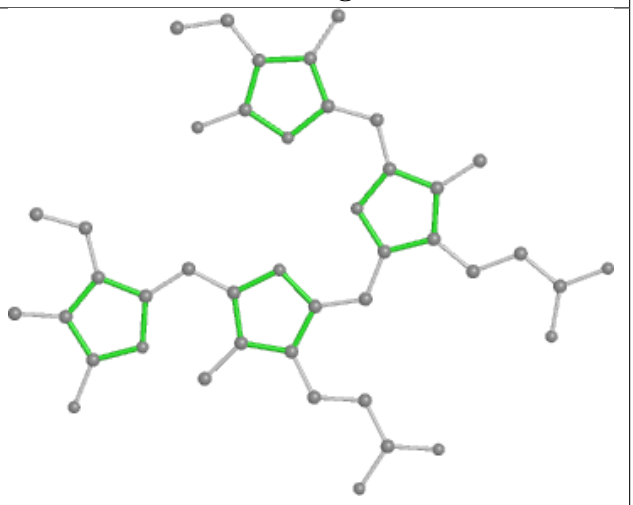
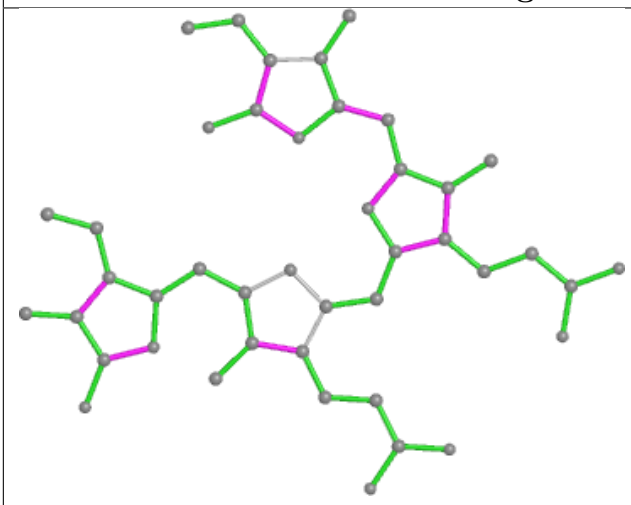


Rings

Ligand PUB p8 203



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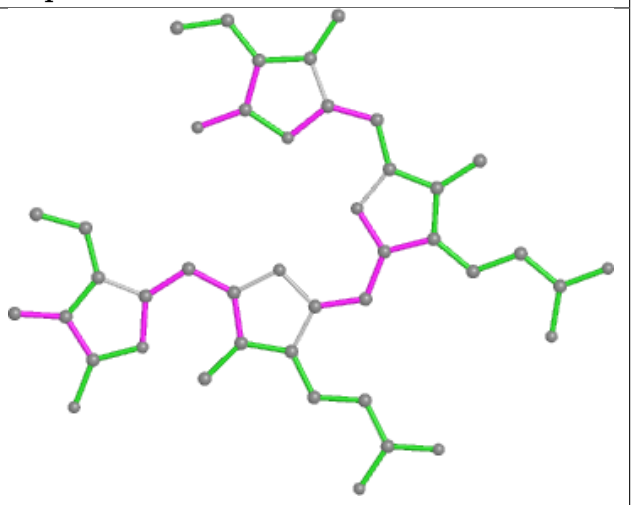

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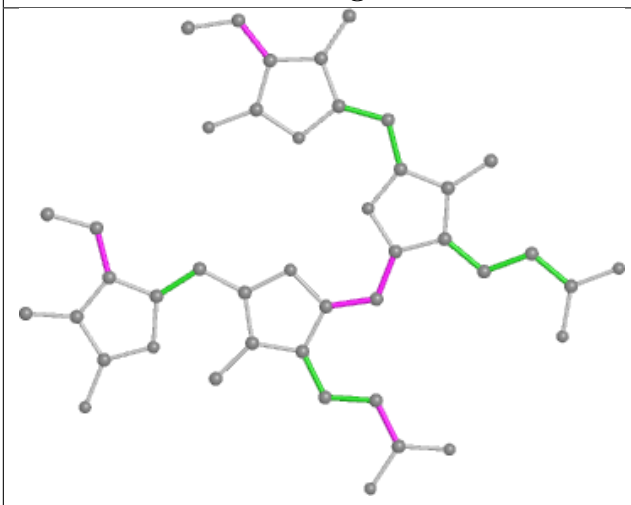

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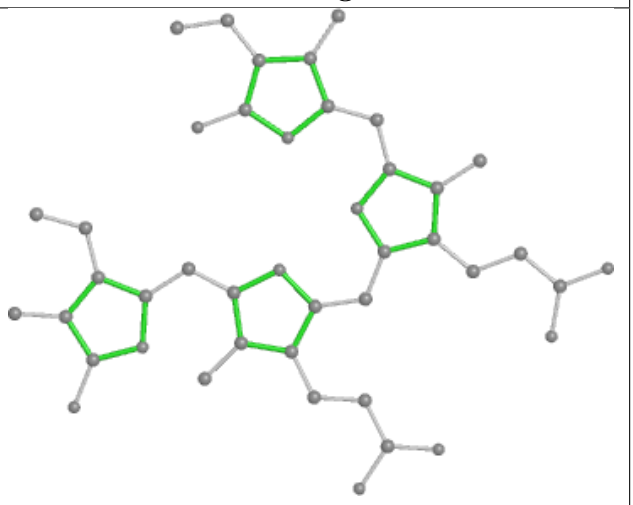

Rings

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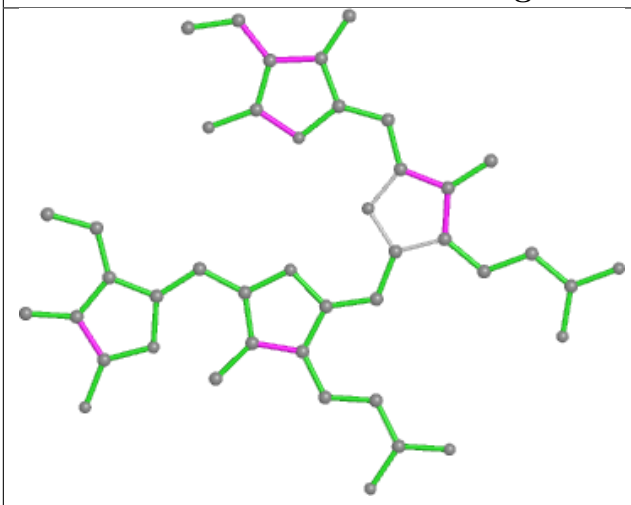

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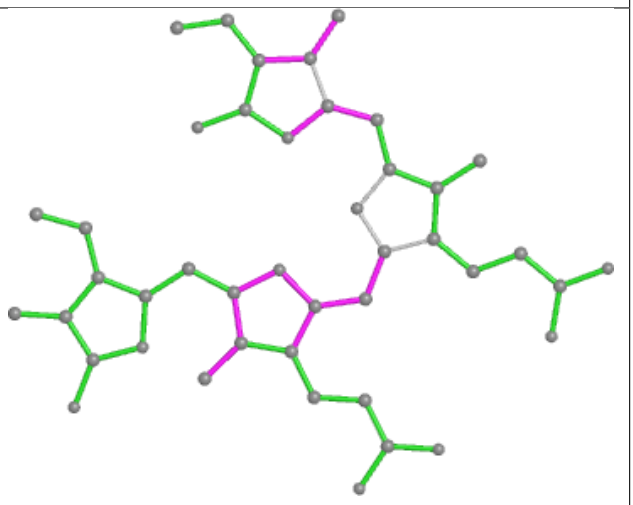

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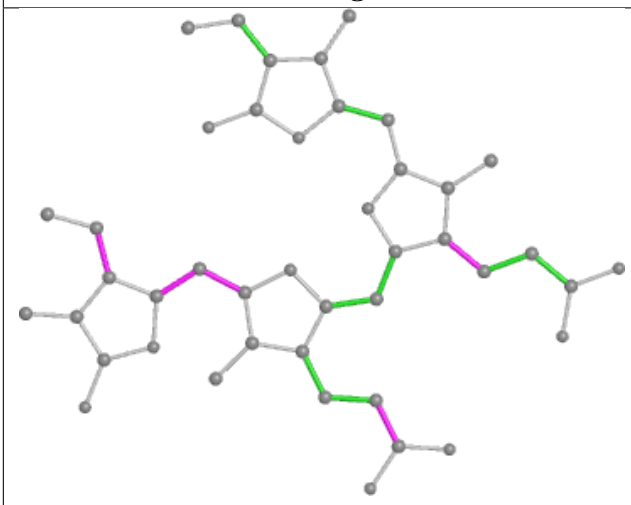

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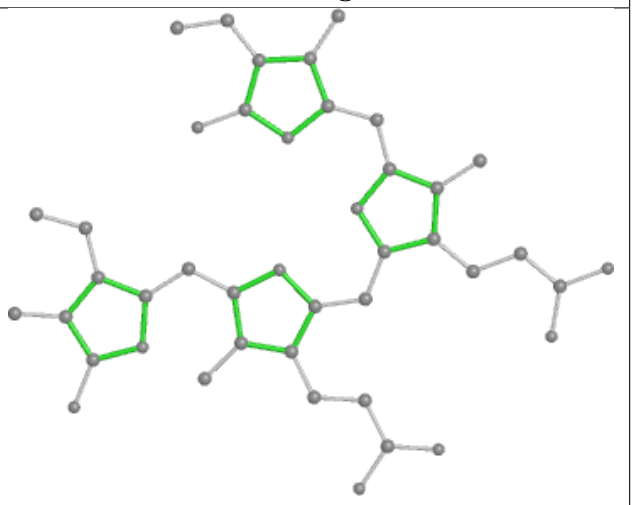
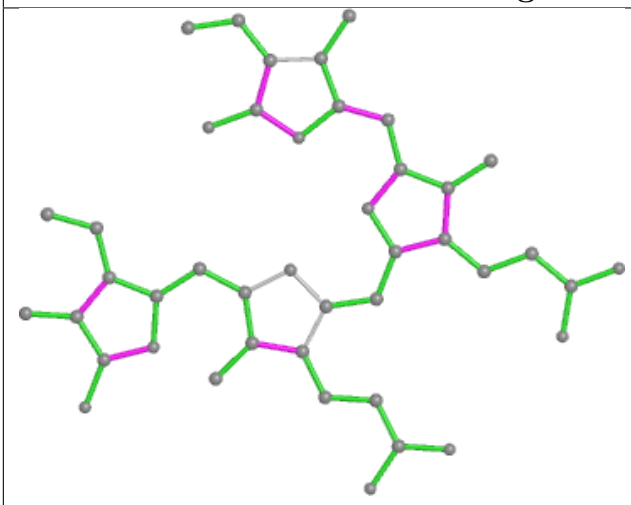


Rings

Ligand PUB gy 305



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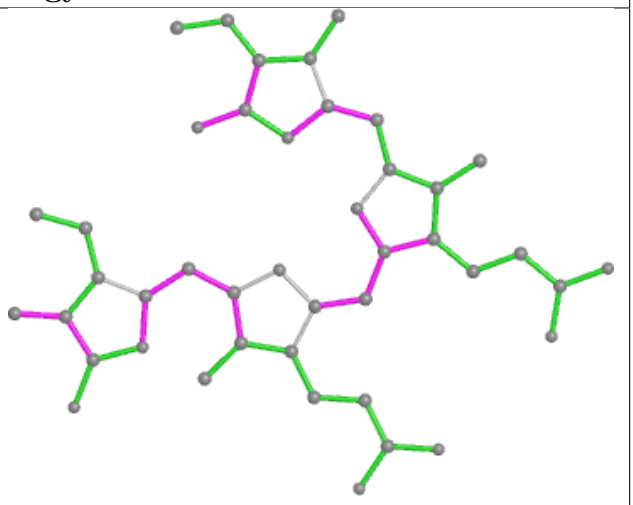

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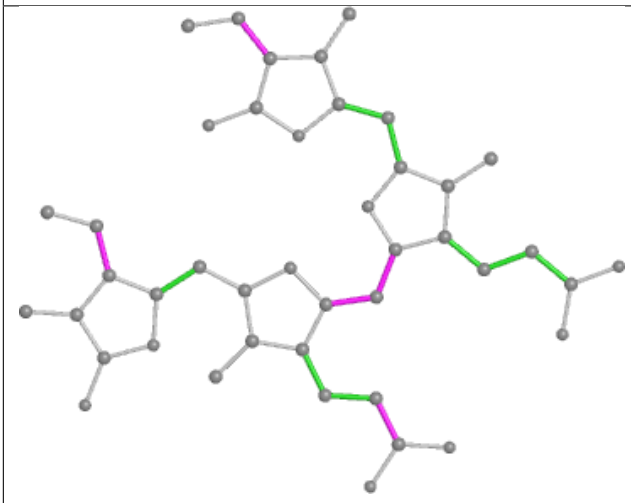

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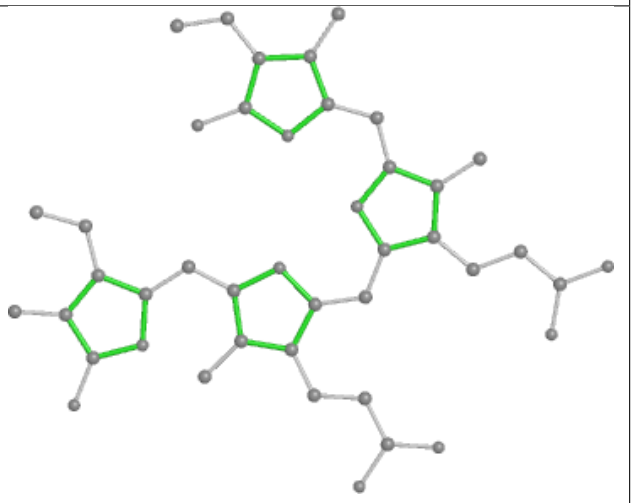
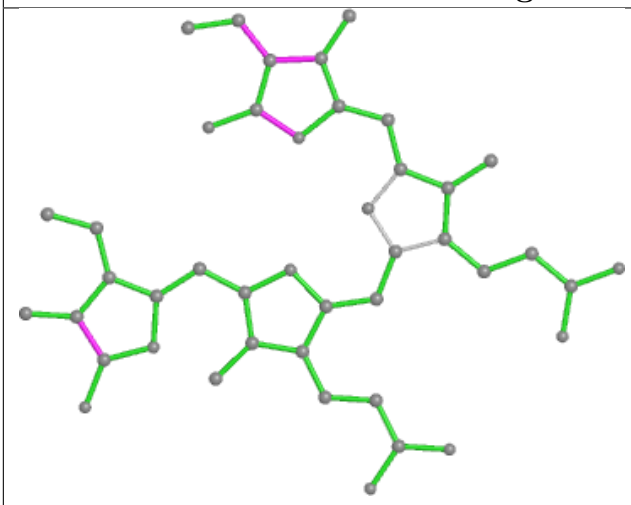


Rings

Ligand PEB eQ 201



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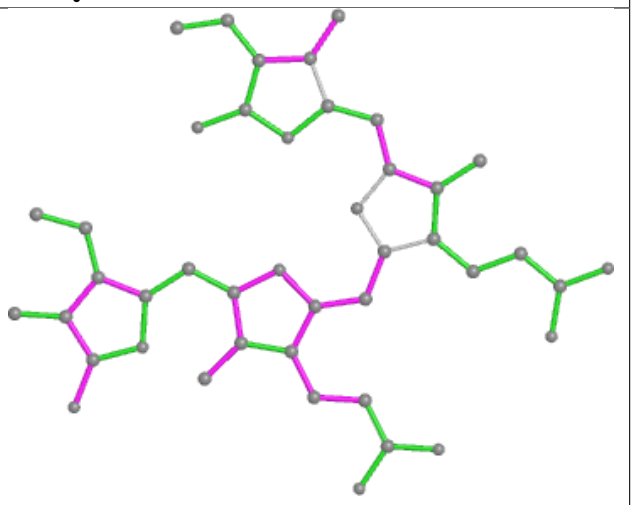

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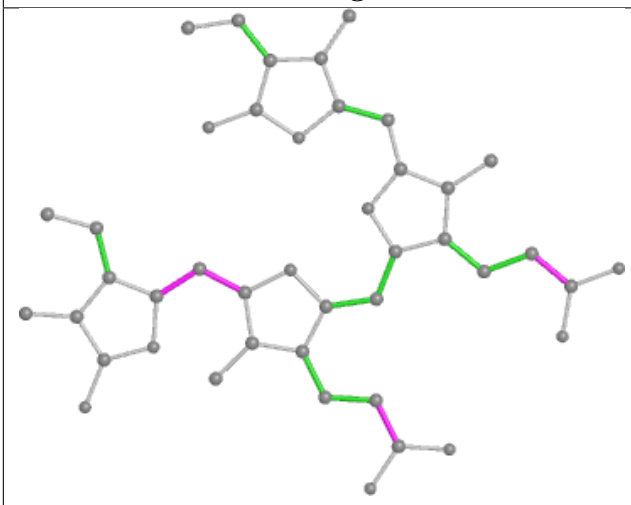

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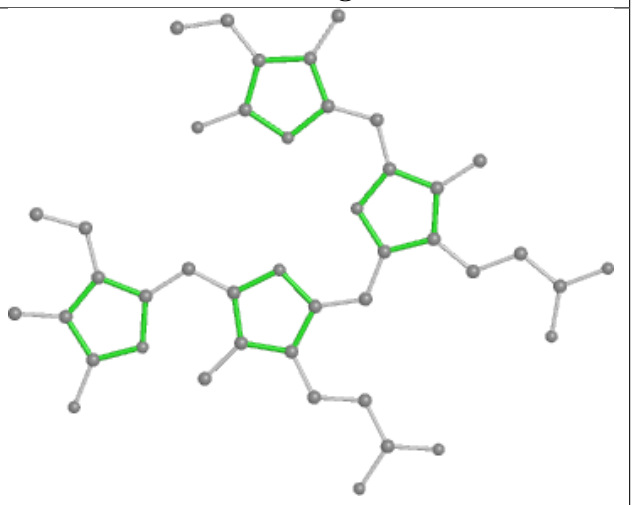

Rings

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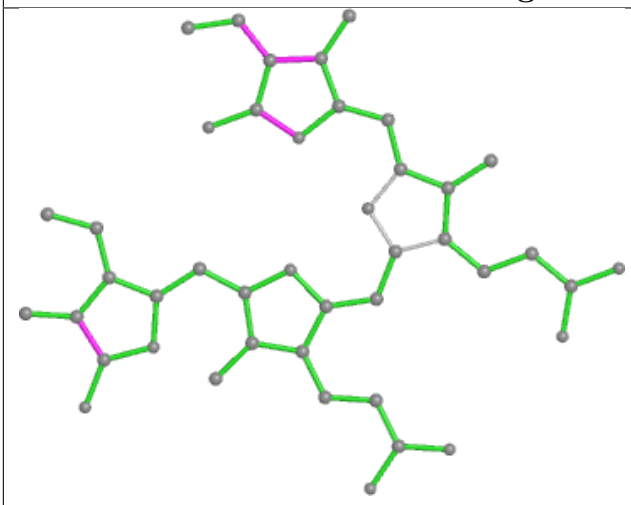

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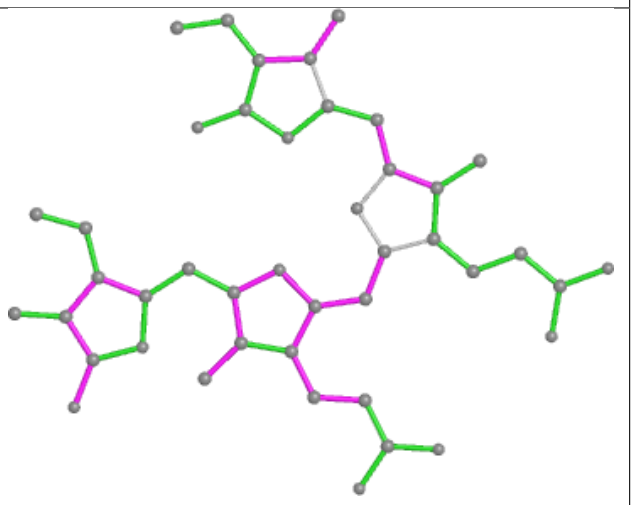

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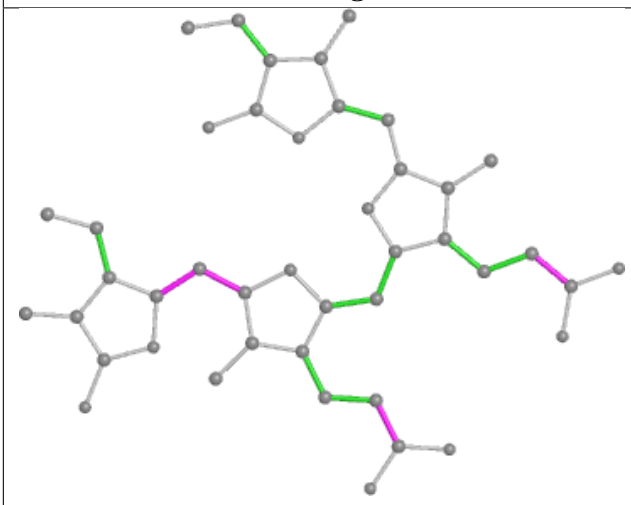

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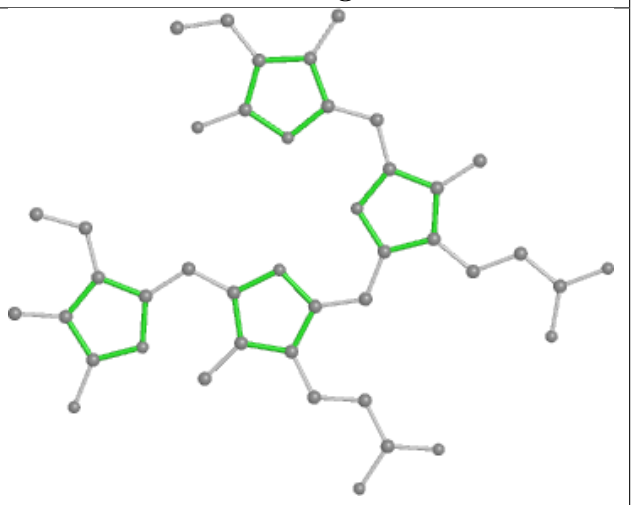

Rings

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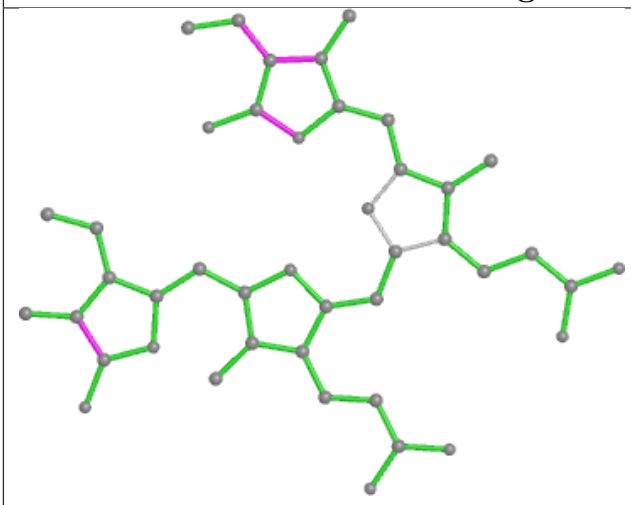

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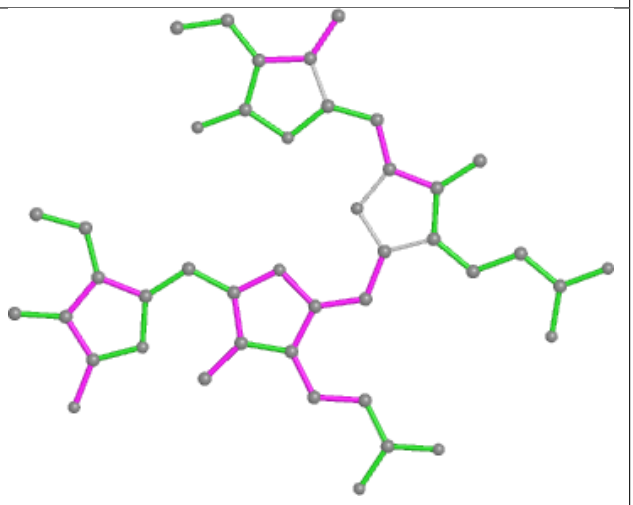

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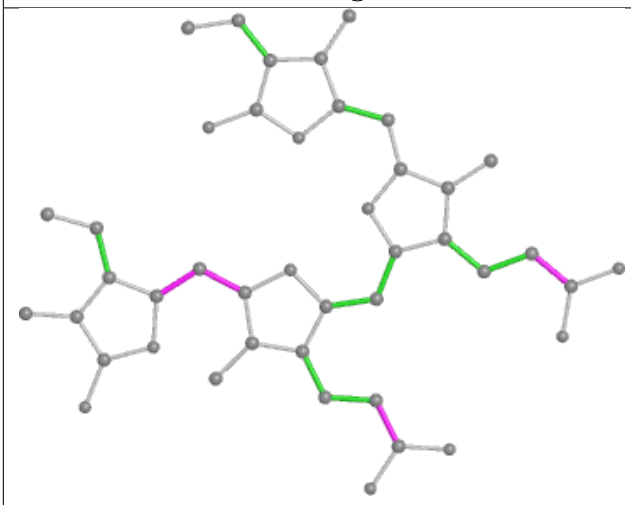

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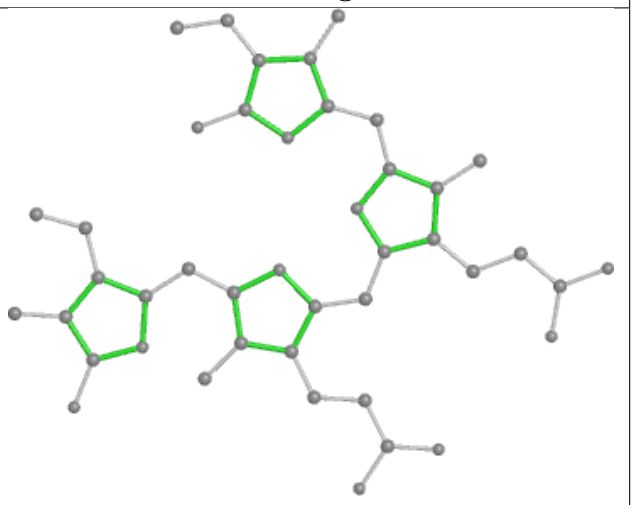
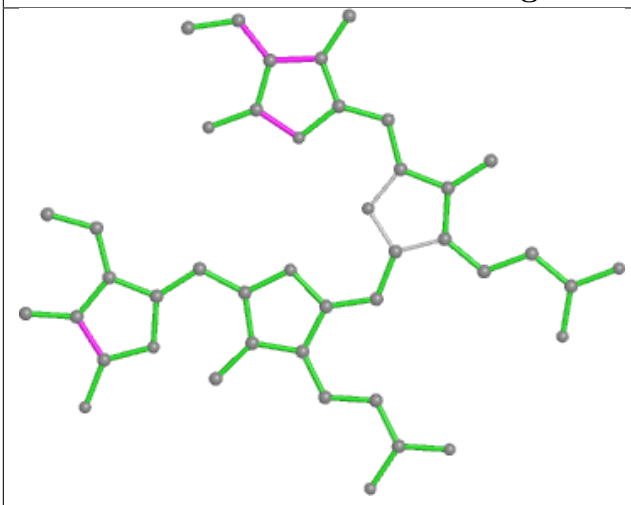


Rings

Ligand PEB ck 201



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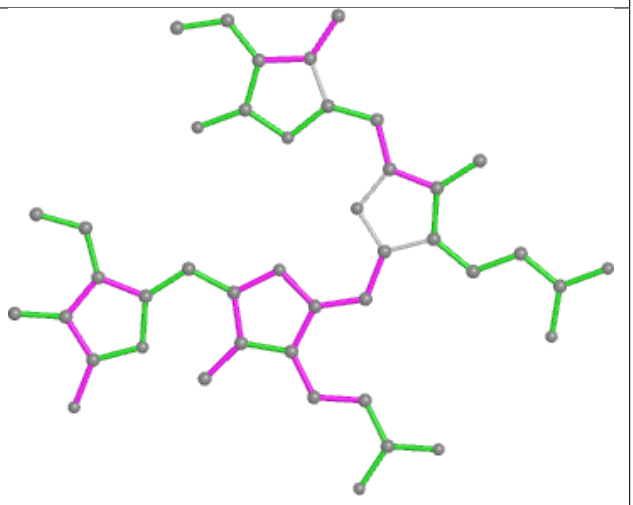
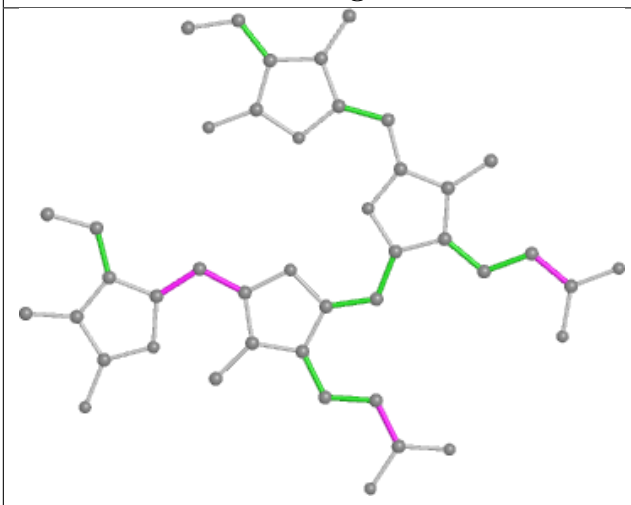
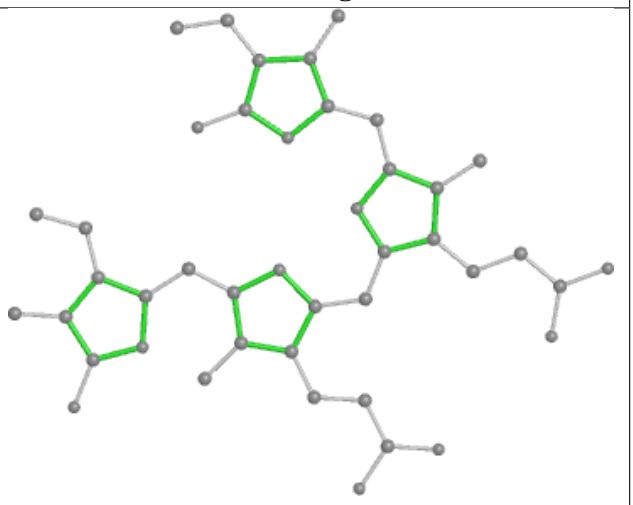


Bond angles

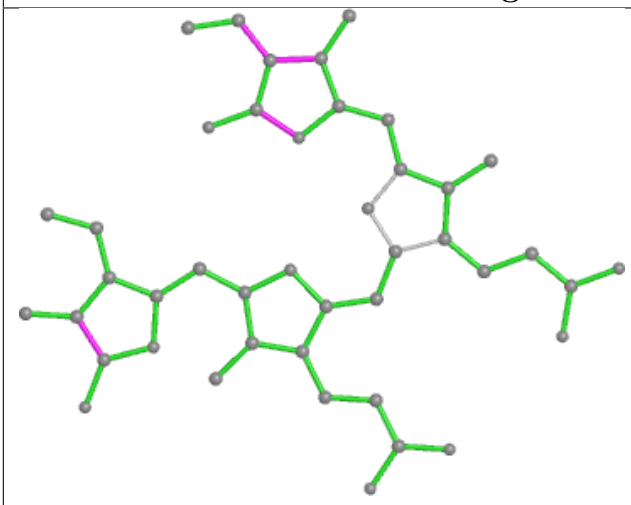


Torsions



Rings

Ligand PEB dM 1002



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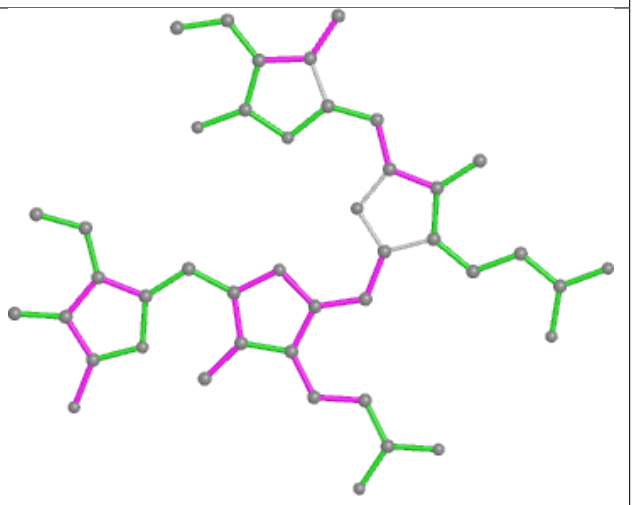
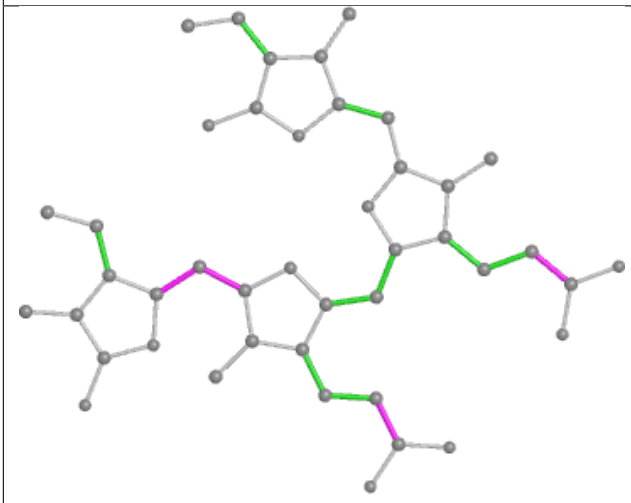


Bond angles



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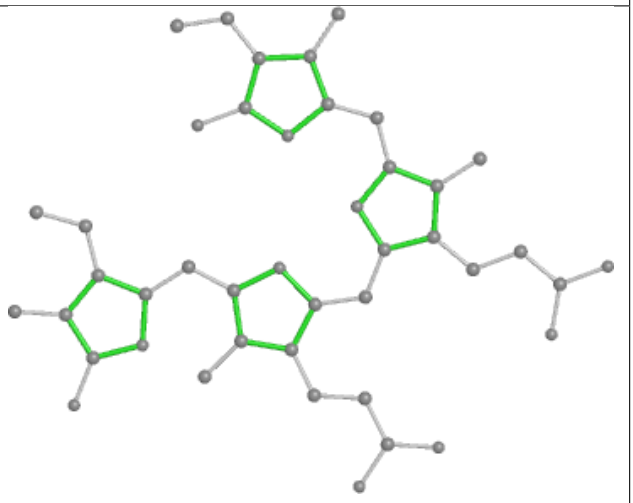
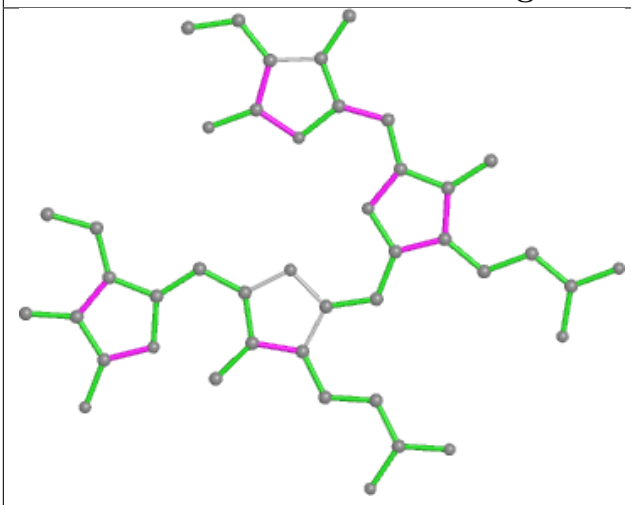


Rings

Ligand PUB p7 202



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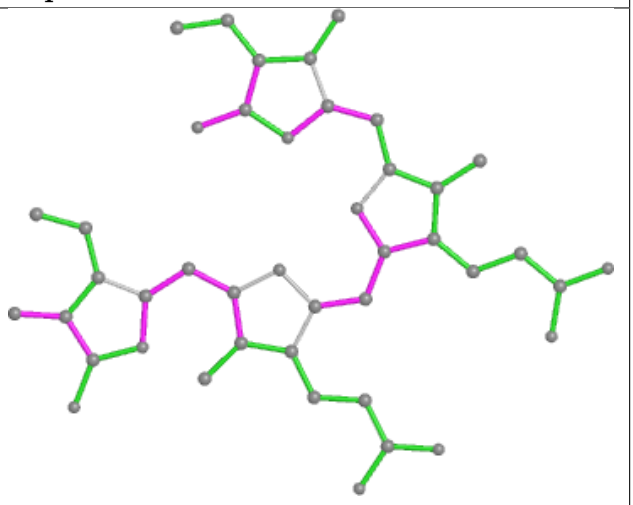

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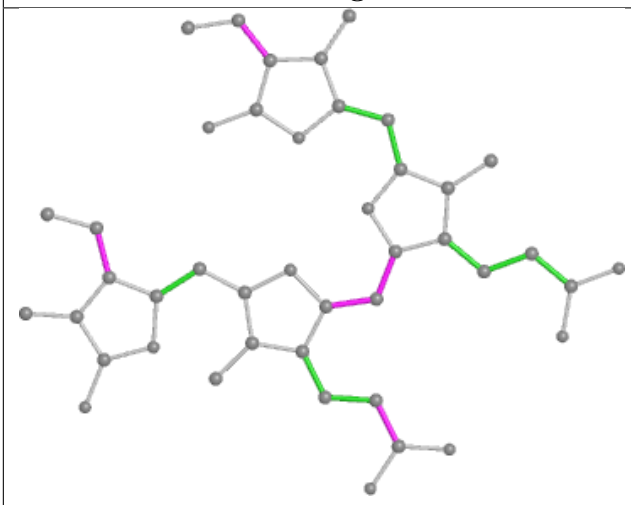

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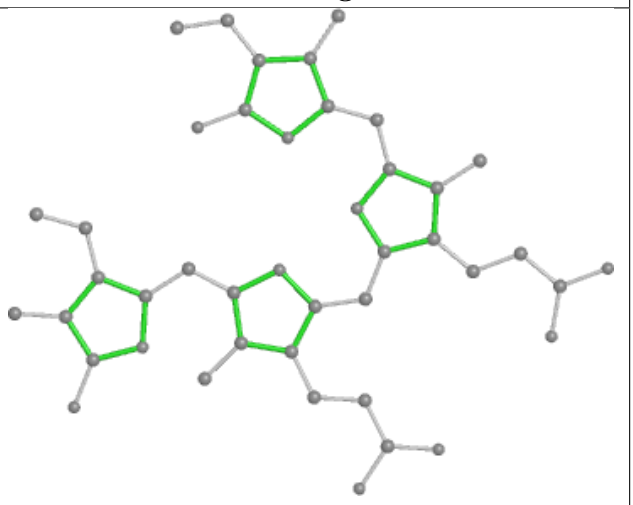
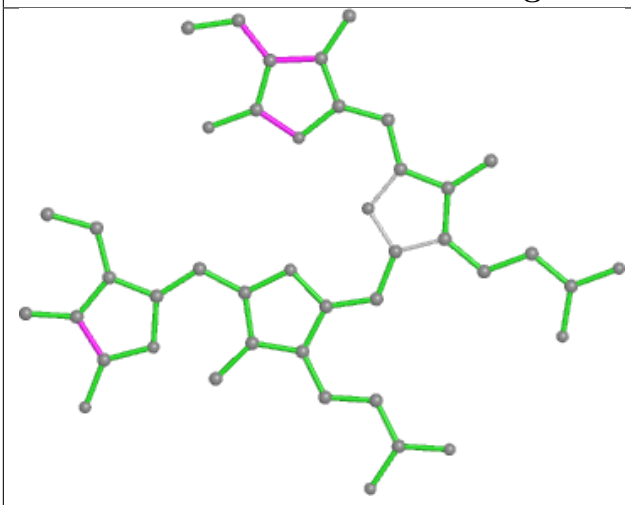


Rings

Ligand PEB l3 201



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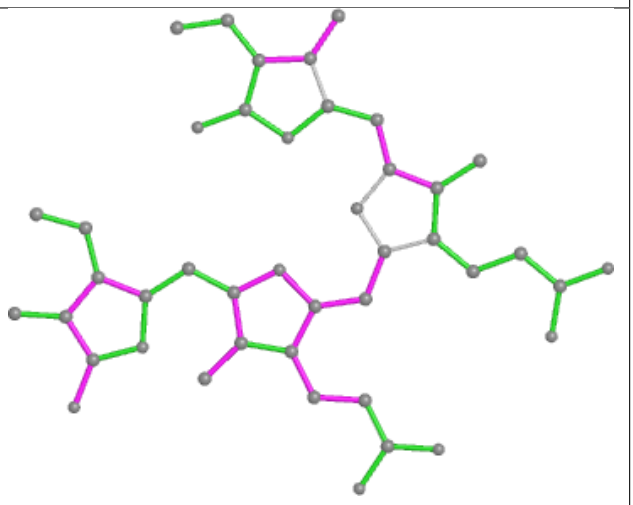

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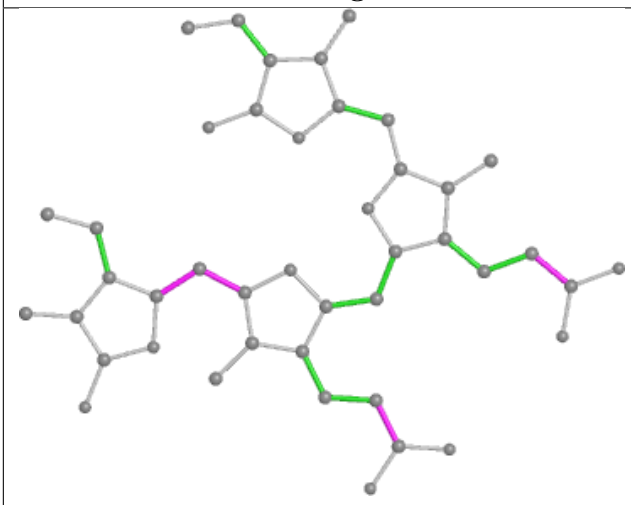

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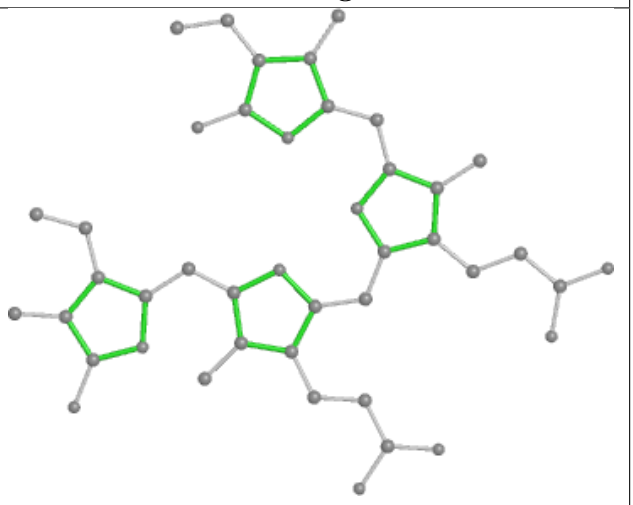
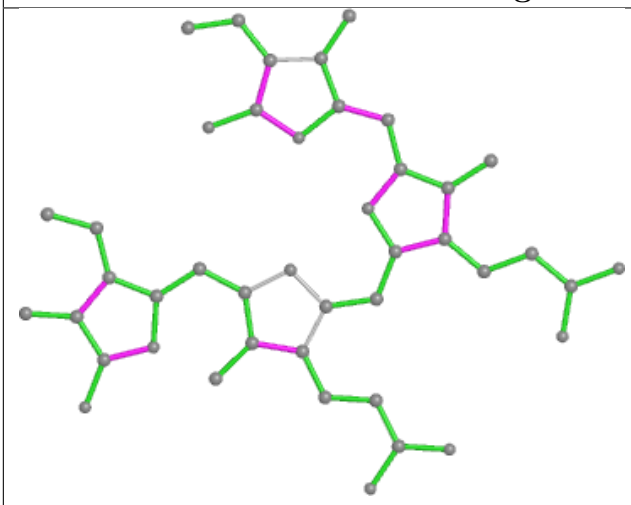


Rings

Ligand PUB B9 203



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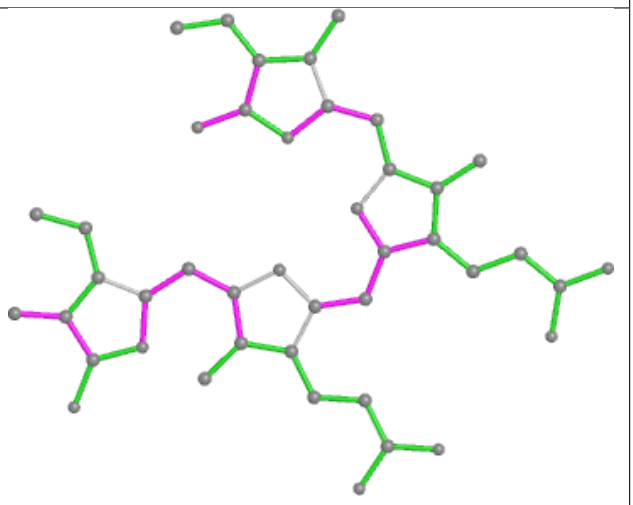

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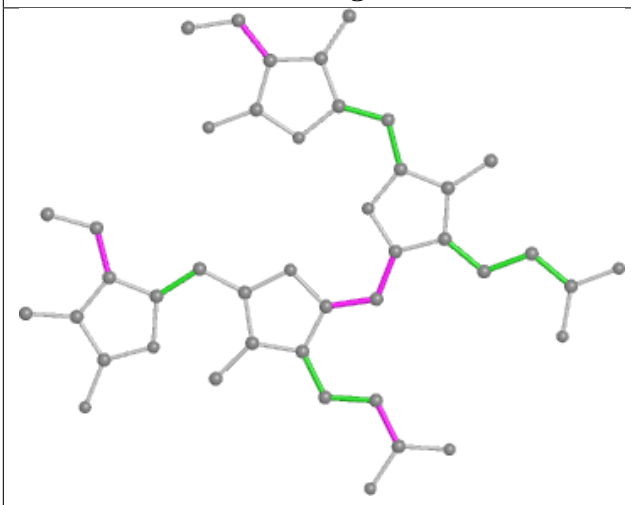

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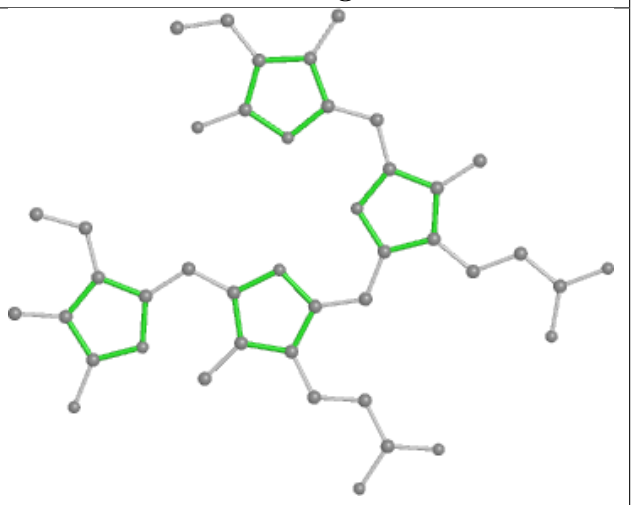
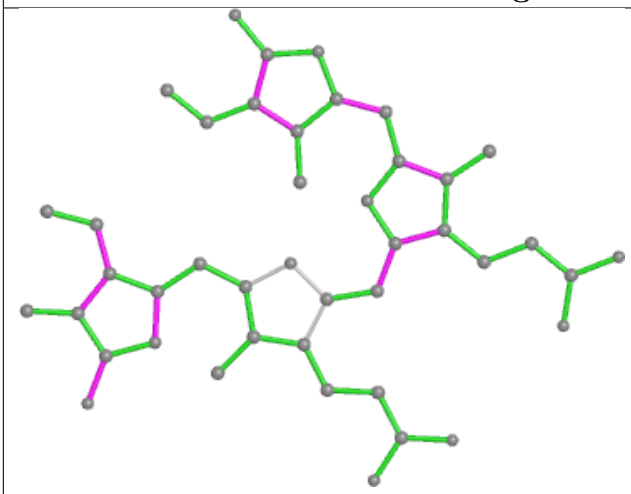


Rings

Ligand PVN C2 303



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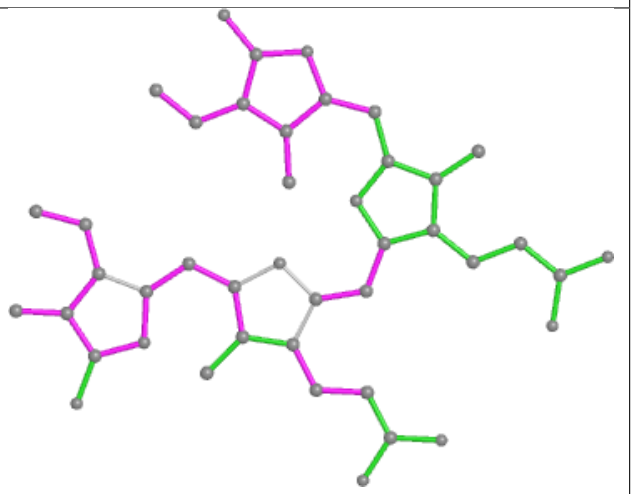

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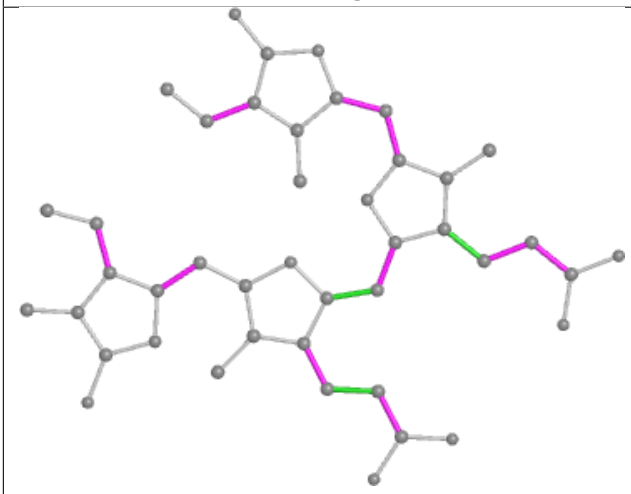

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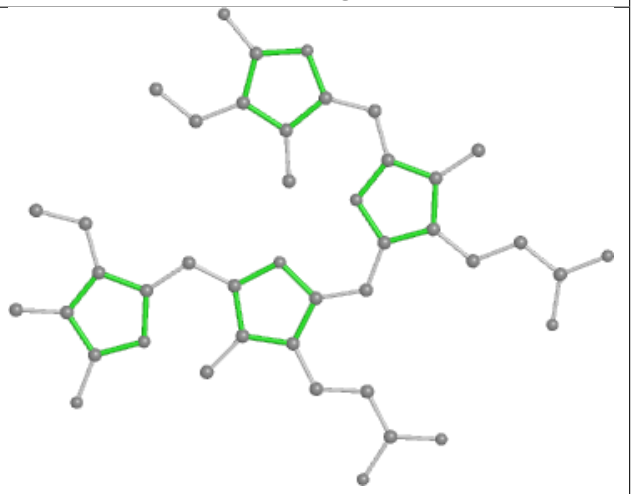
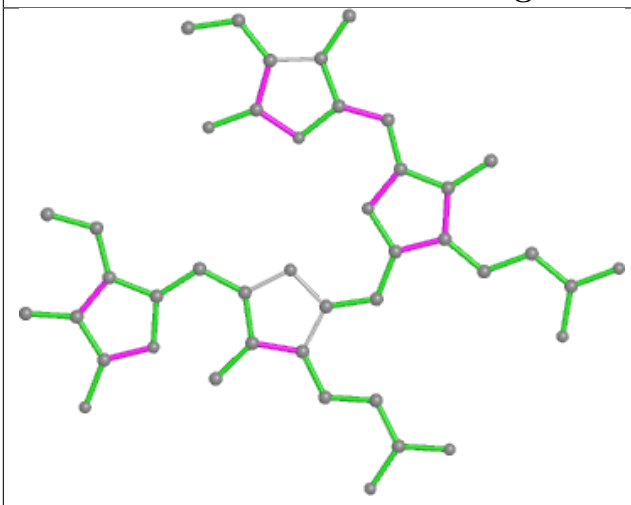


Rings

Ligand PUB jI 1003



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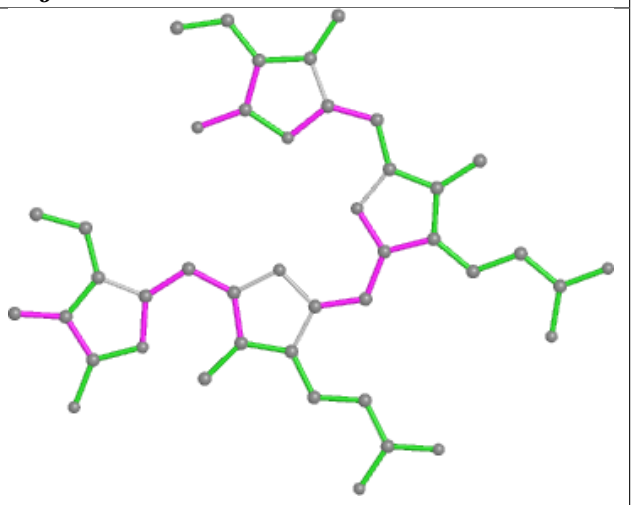

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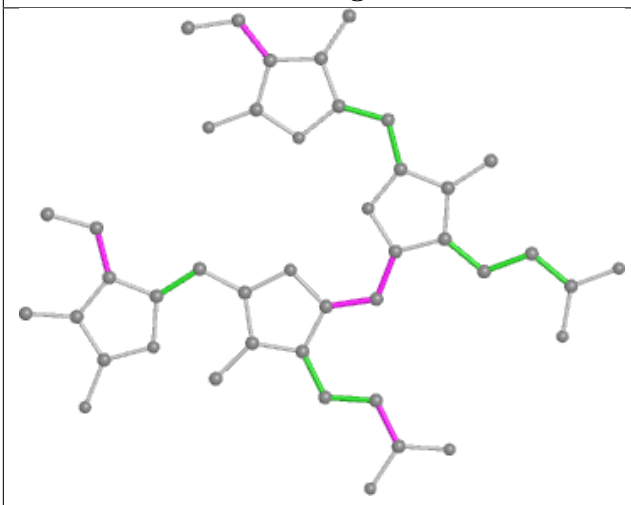

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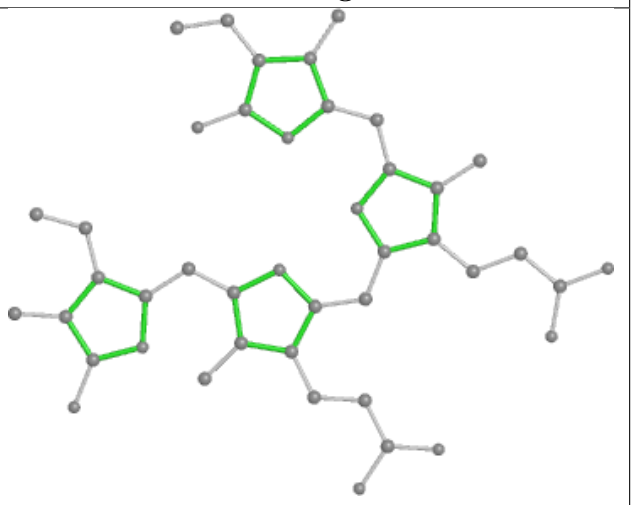
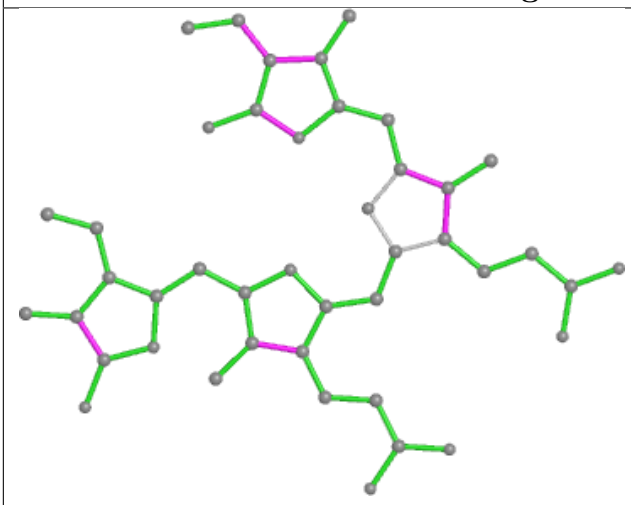


Rings

Ligand PEB r3 202



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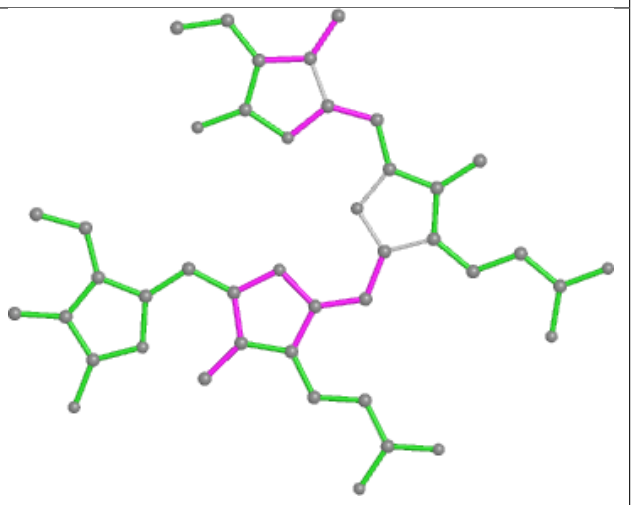

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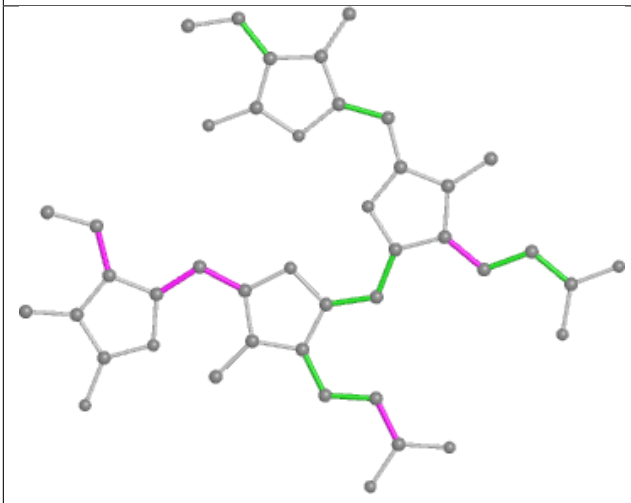

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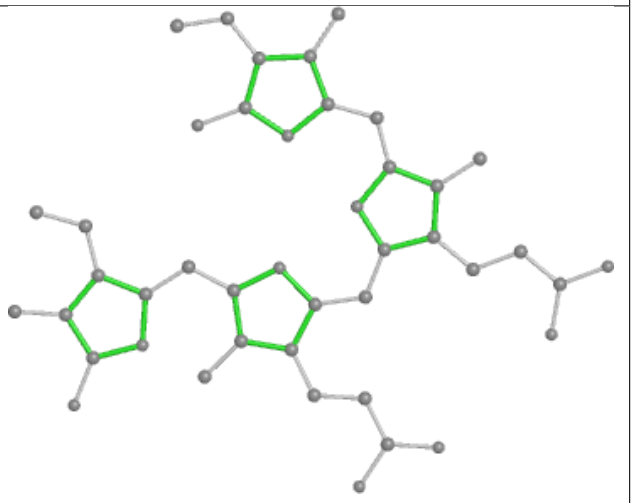

Rings

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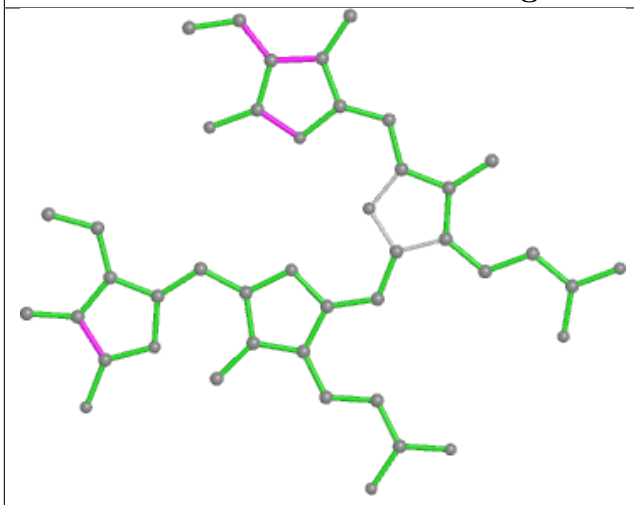

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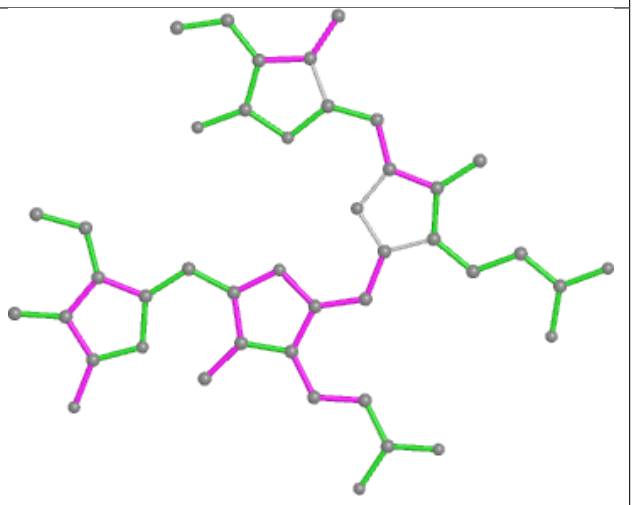
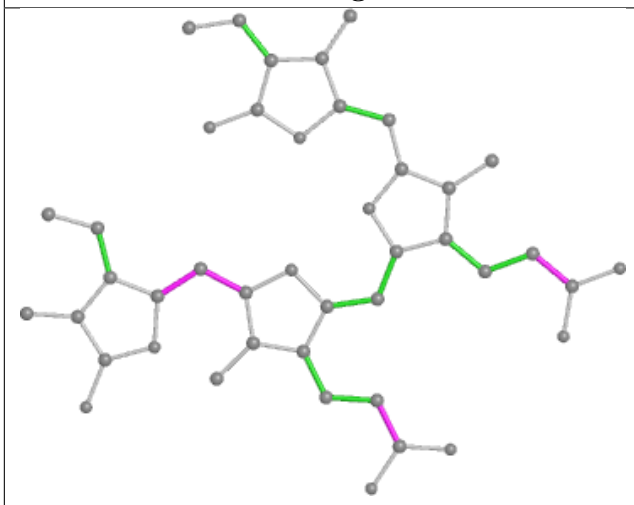


Bond angles



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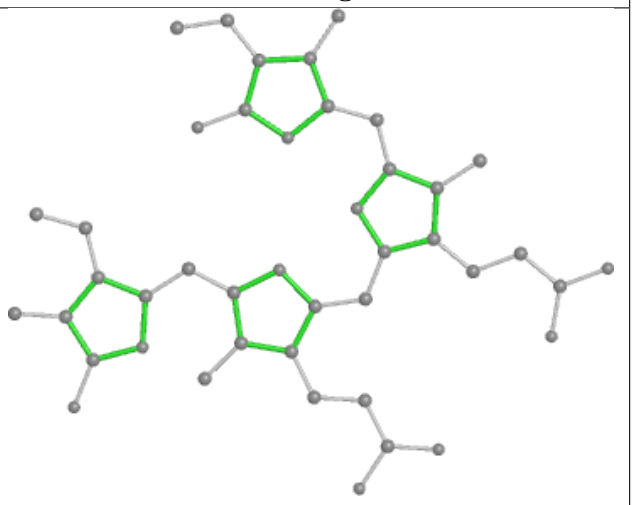
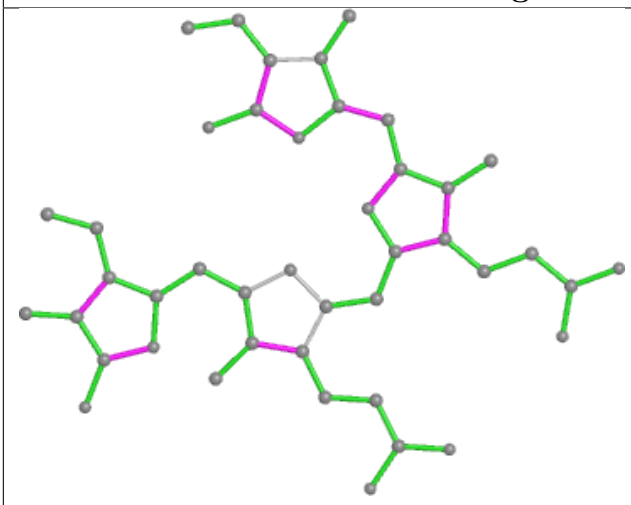


Rings

Ligand PUB hH 203



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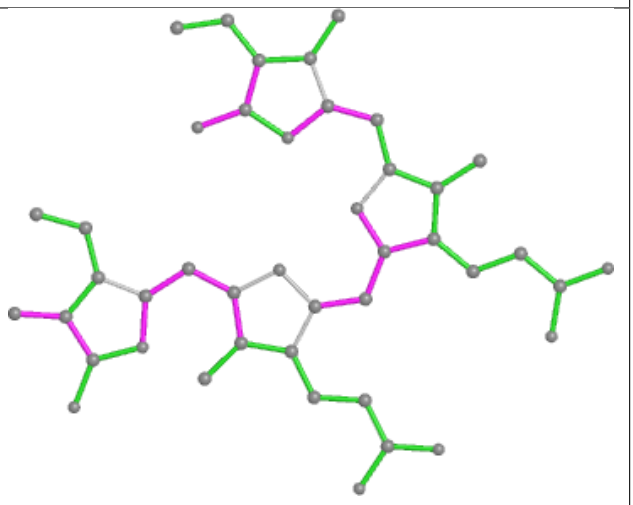

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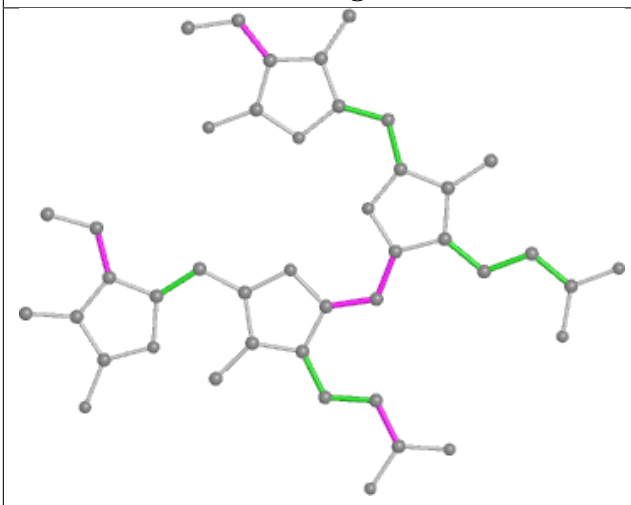

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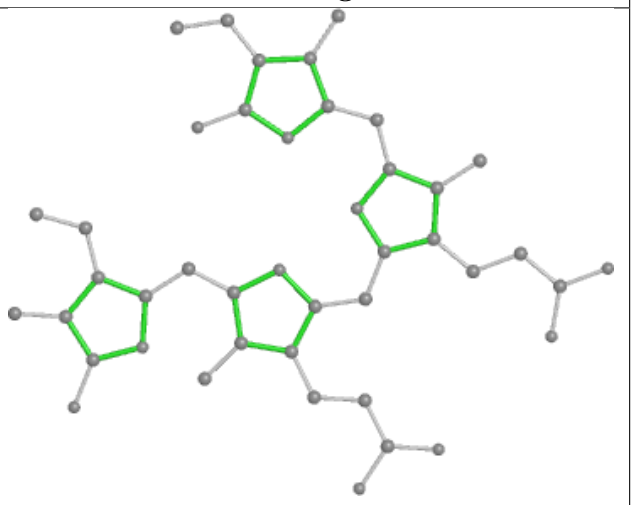
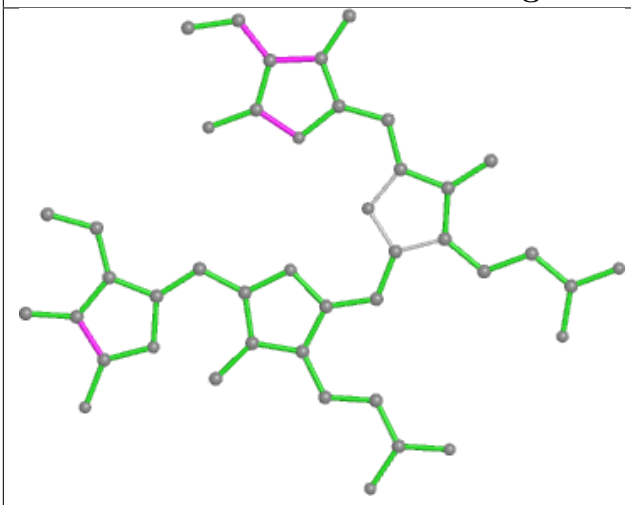


Rings

Ligand PEB fd 303



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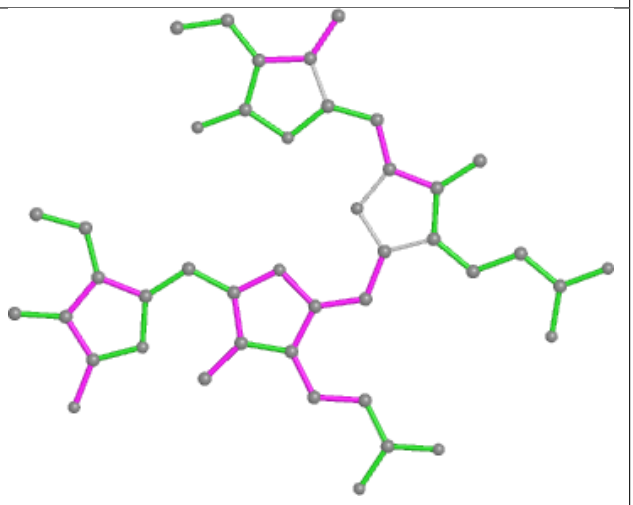

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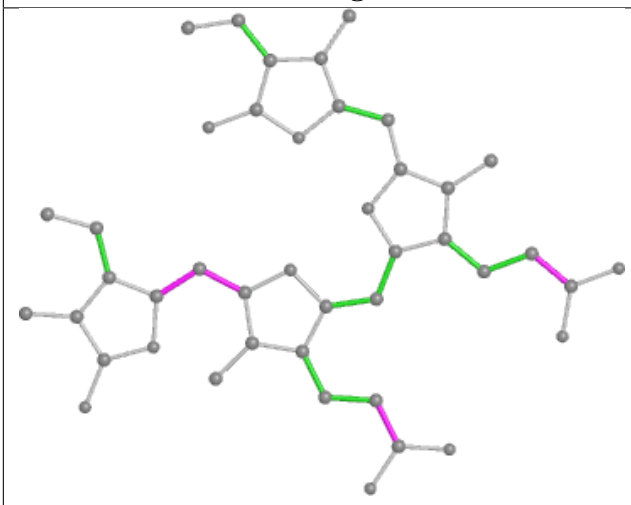

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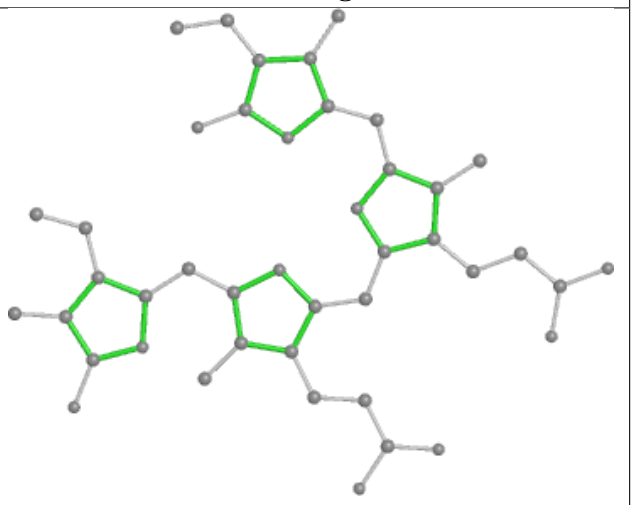
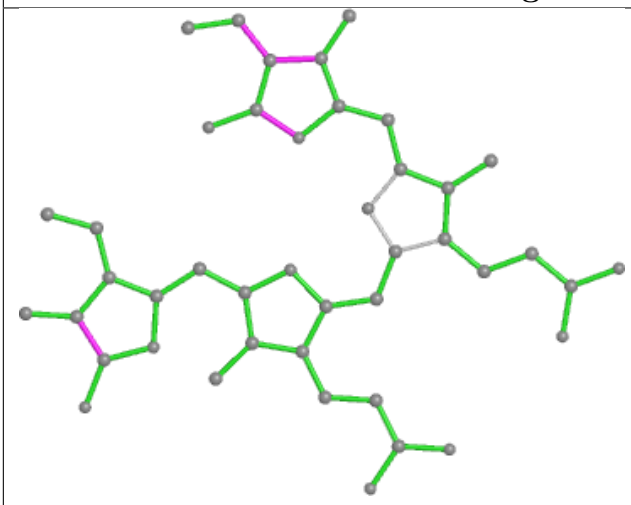


Rings

Ligand PEB I8 202



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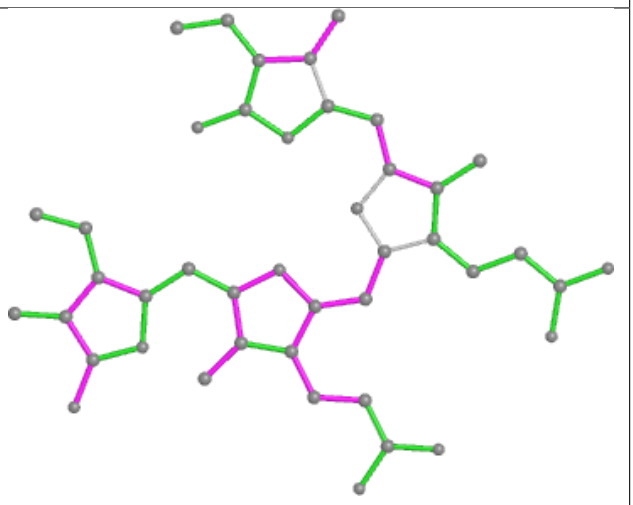

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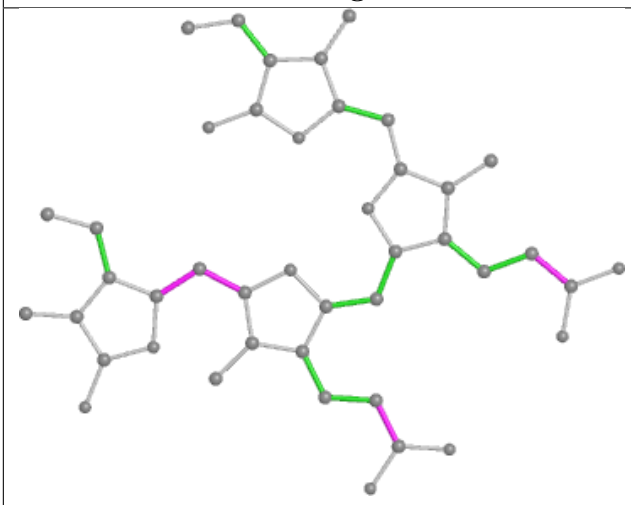

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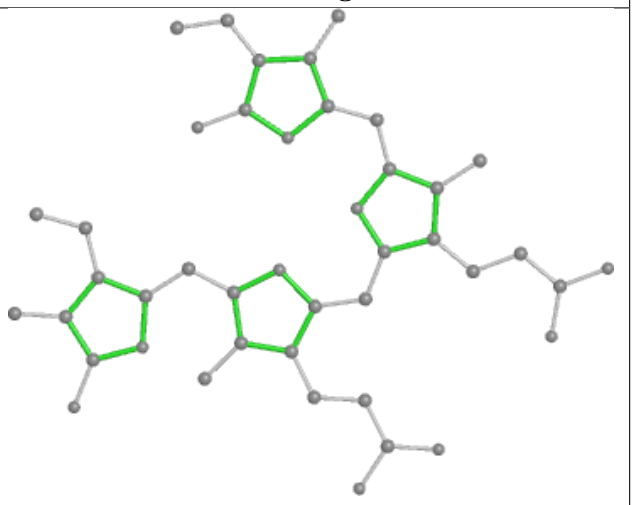
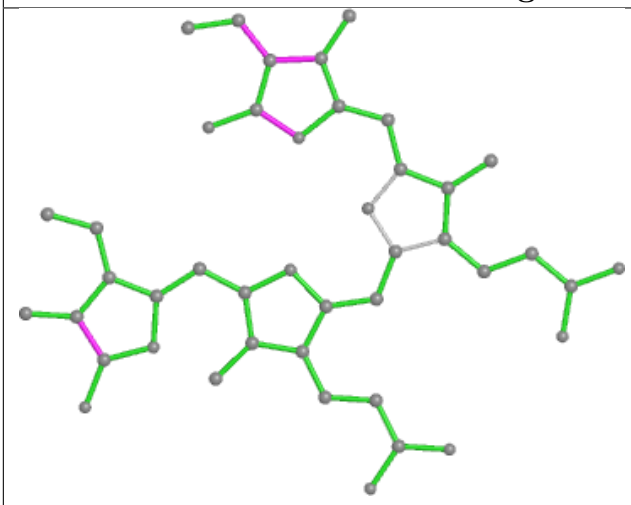


Rings

Ligand PEB du 203



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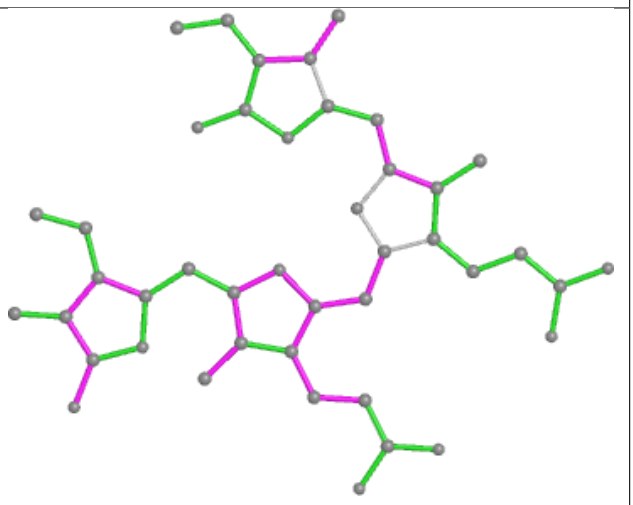
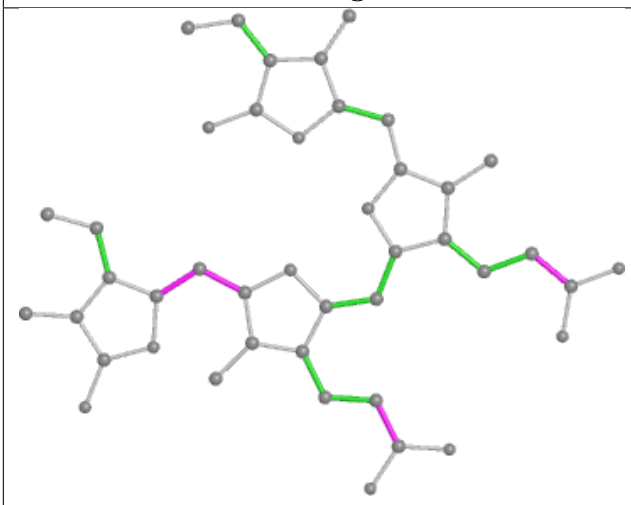


Bond angles



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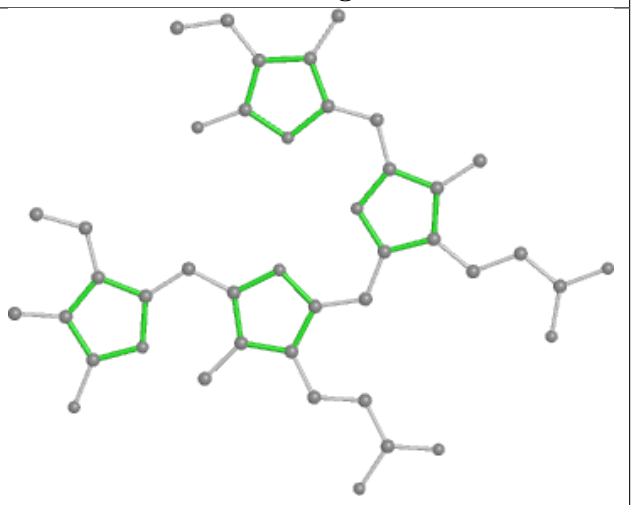
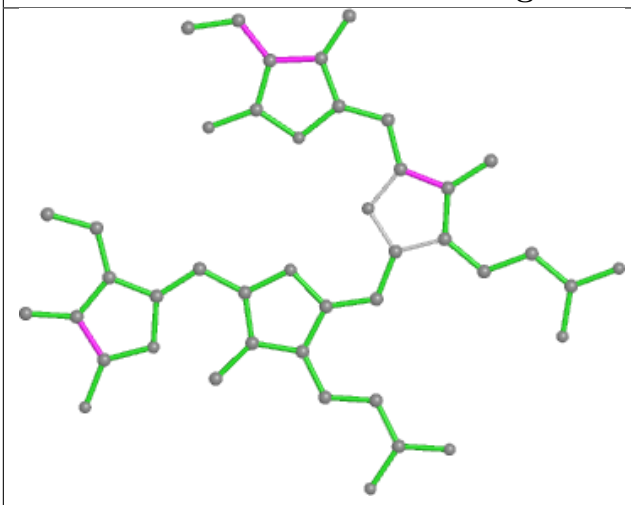


Rings

Ligand PEB cA 202



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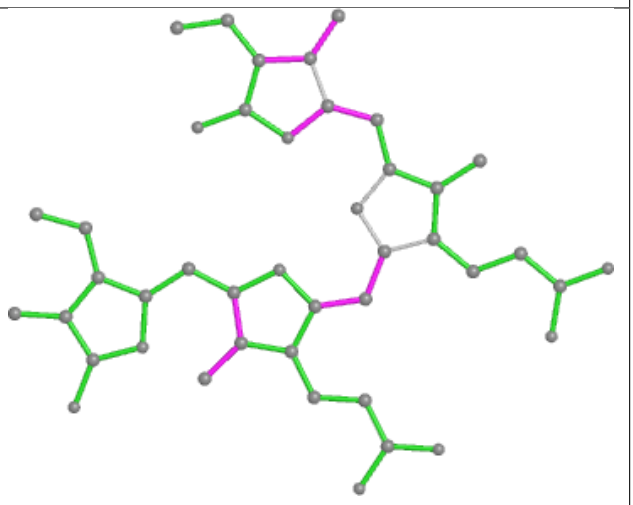
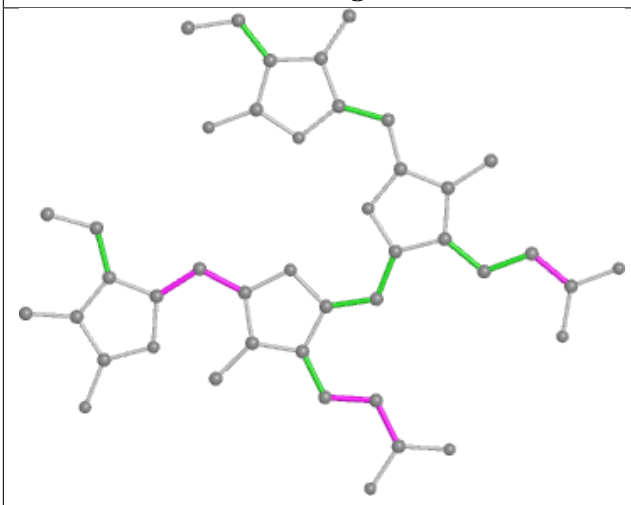


Bond angles



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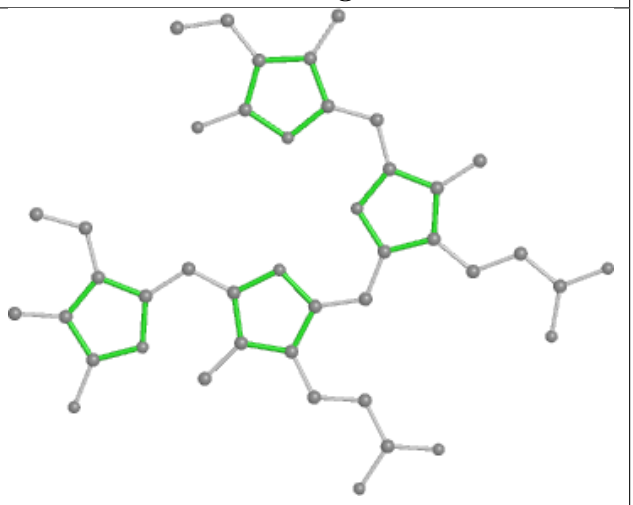
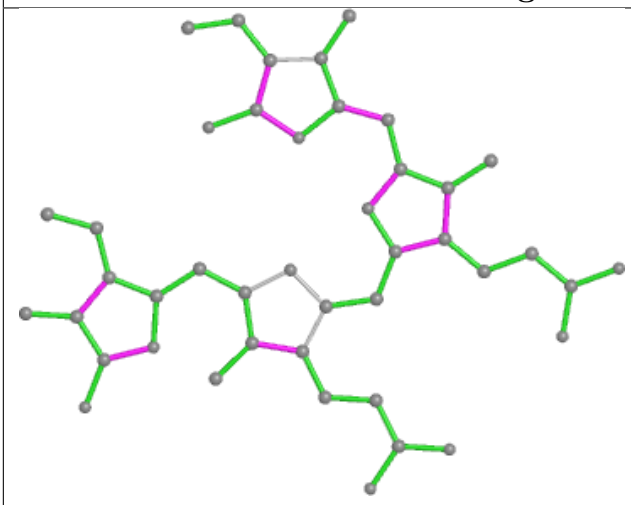


Rings

Ligand PUB ep 203



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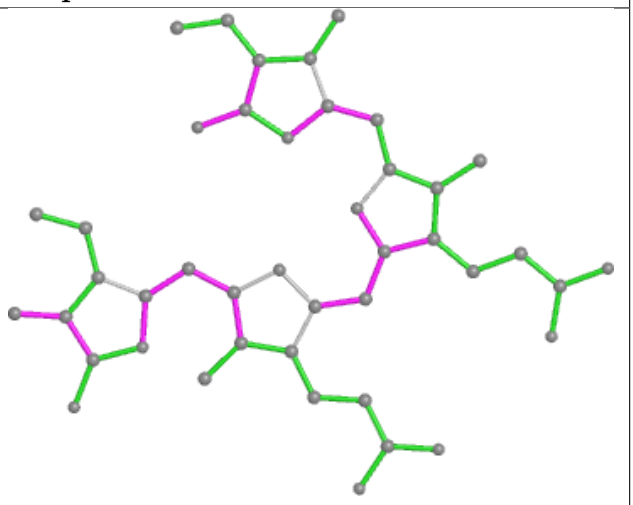

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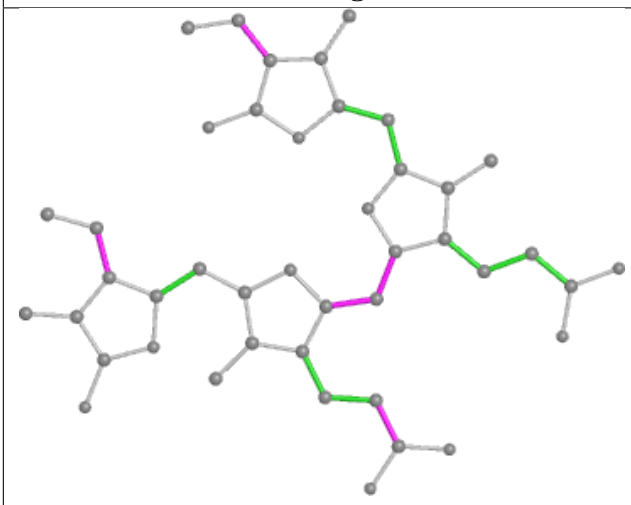
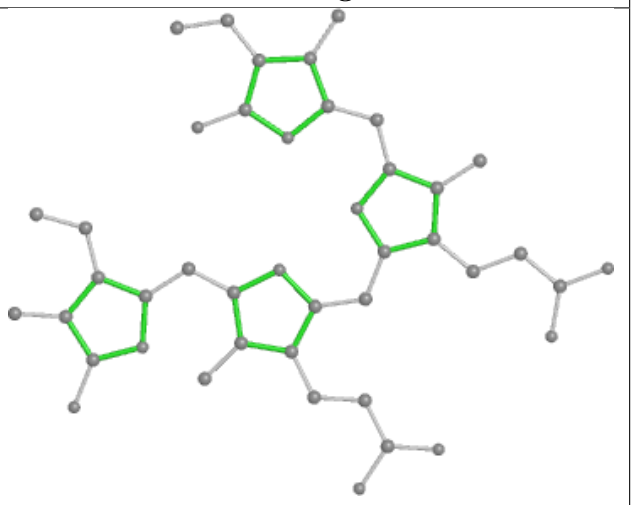
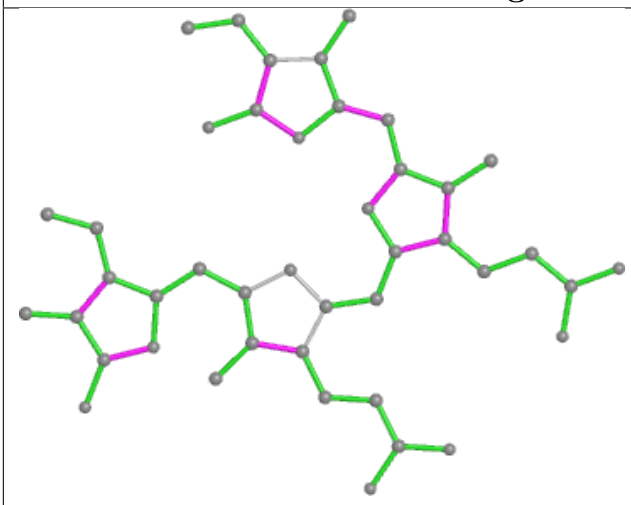


Torsions



Rings

Ligand PUB iH 1002



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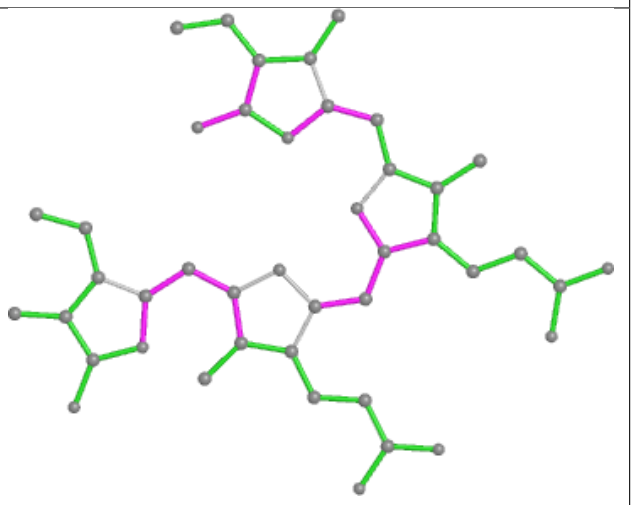

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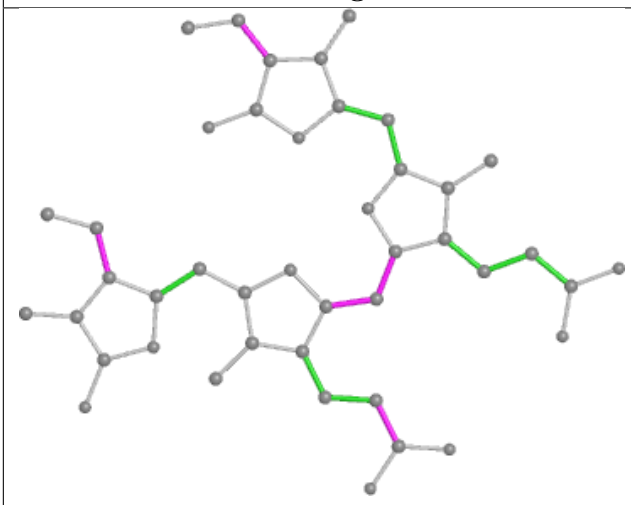

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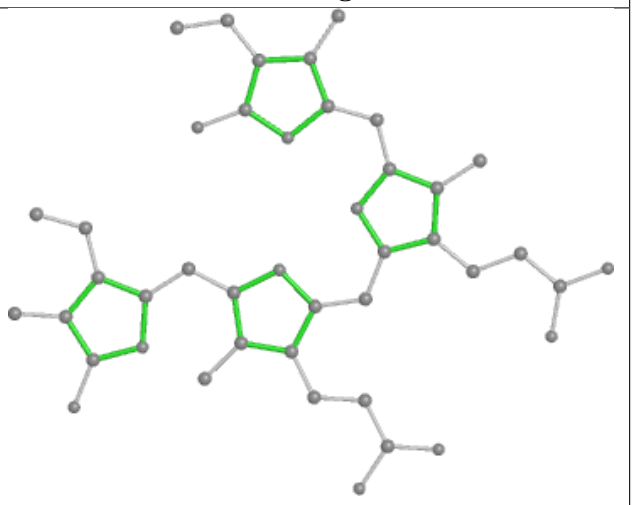

Rings

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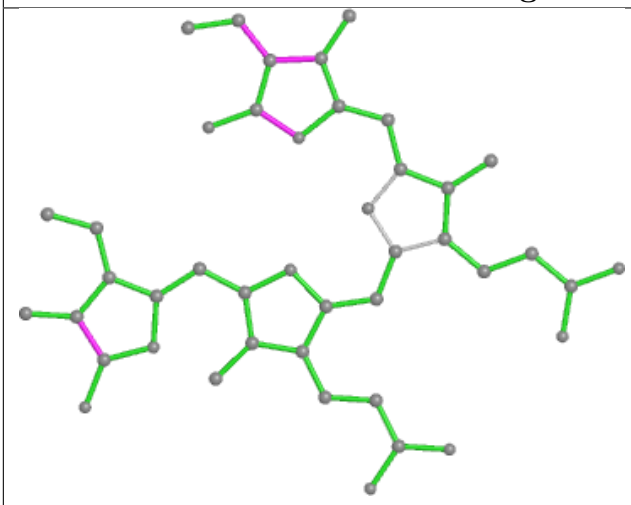

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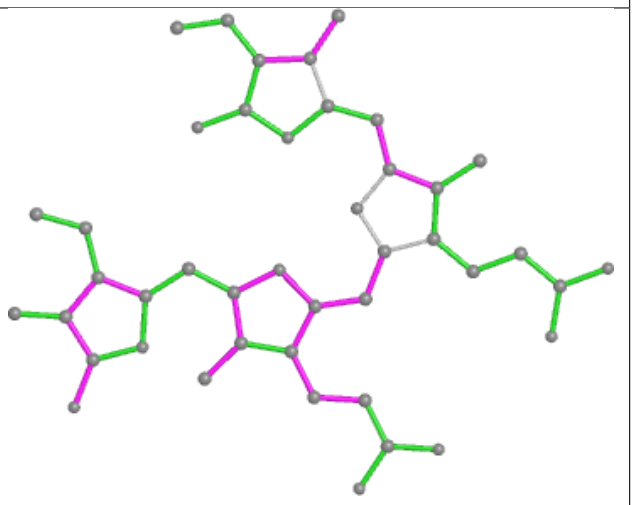

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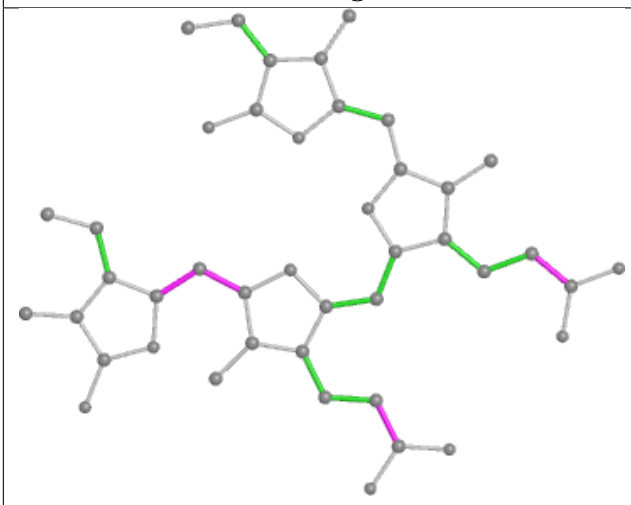

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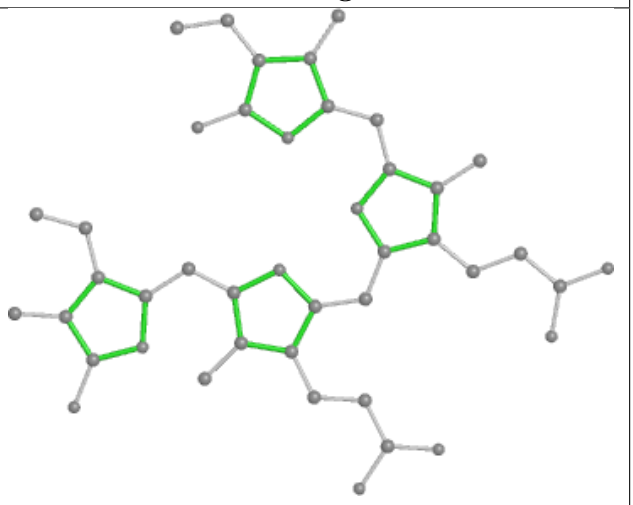
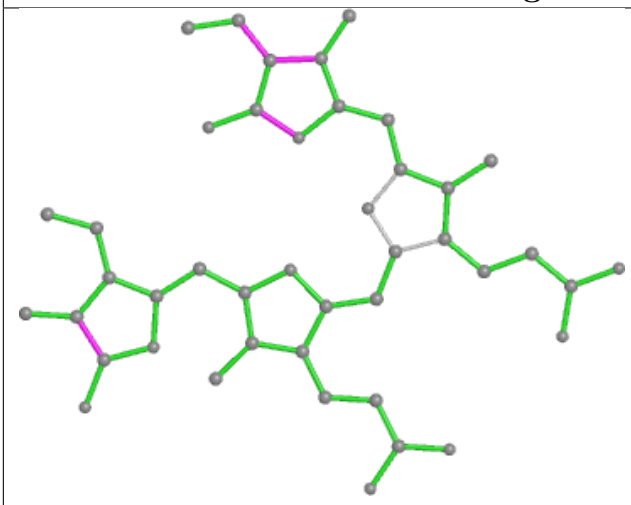


Rings

Ligand PEB ly 403



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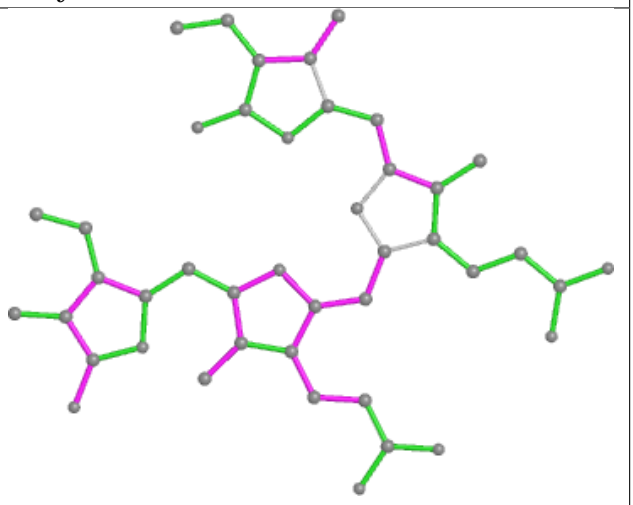

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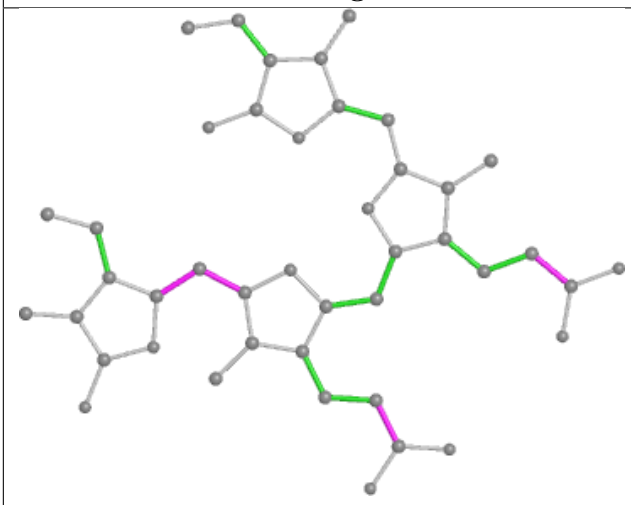

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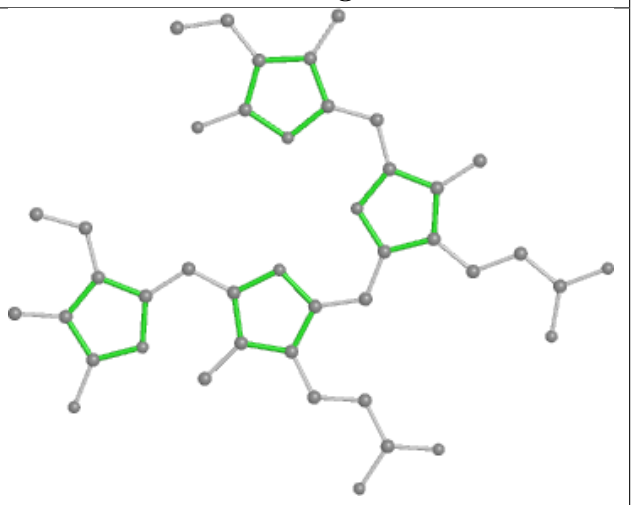

Rings

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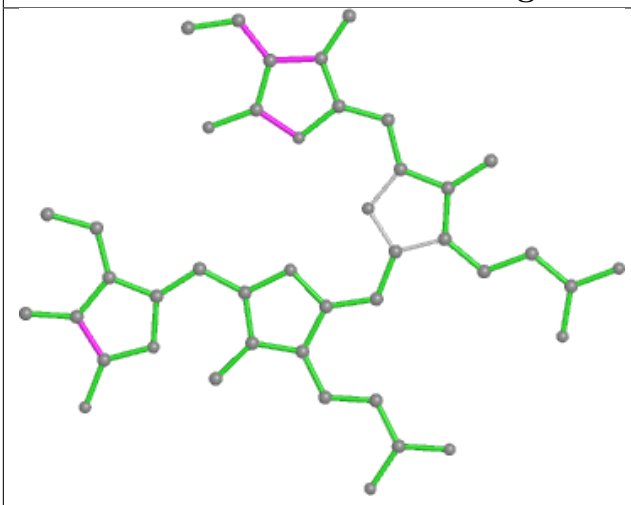

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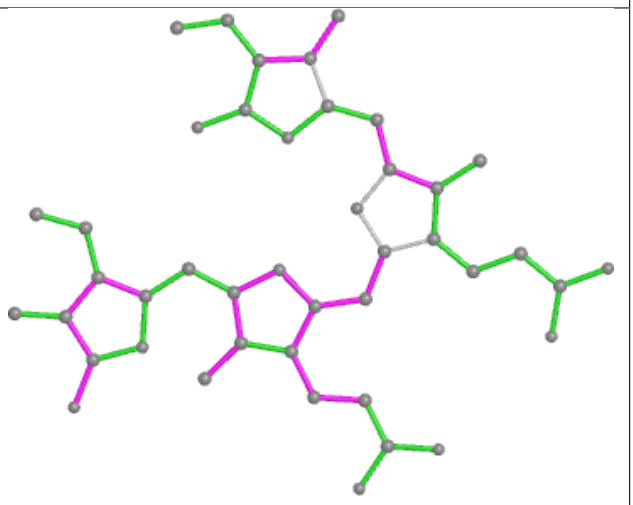

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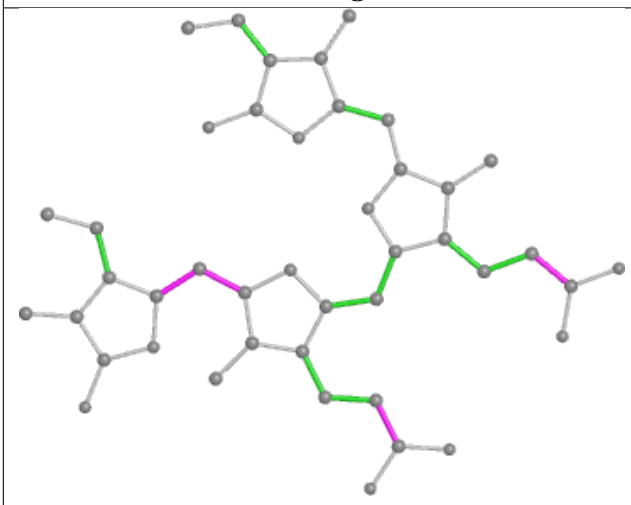

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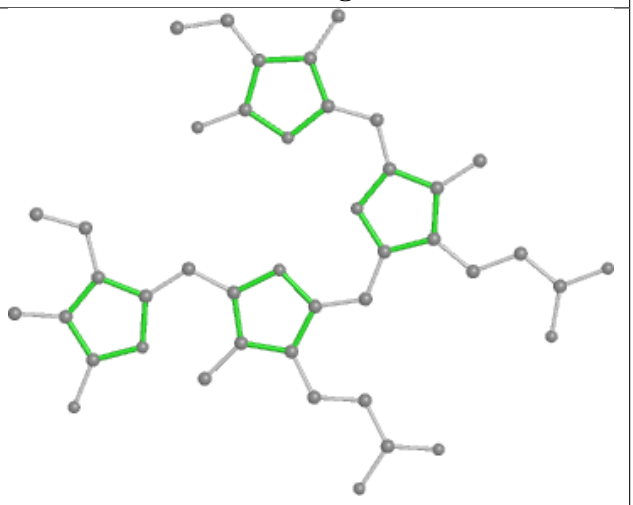

Rings

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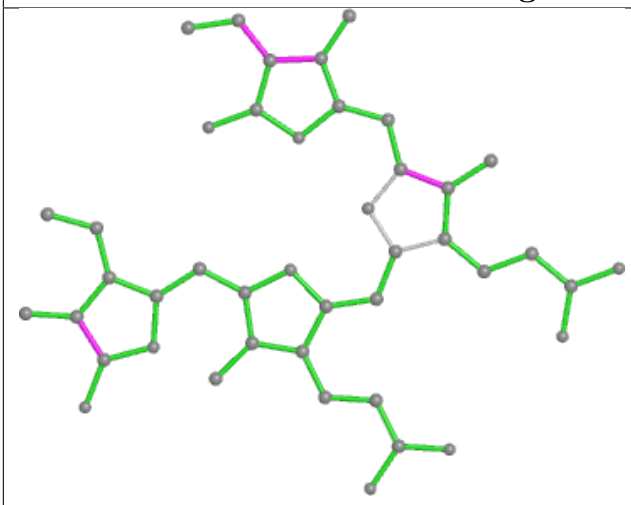

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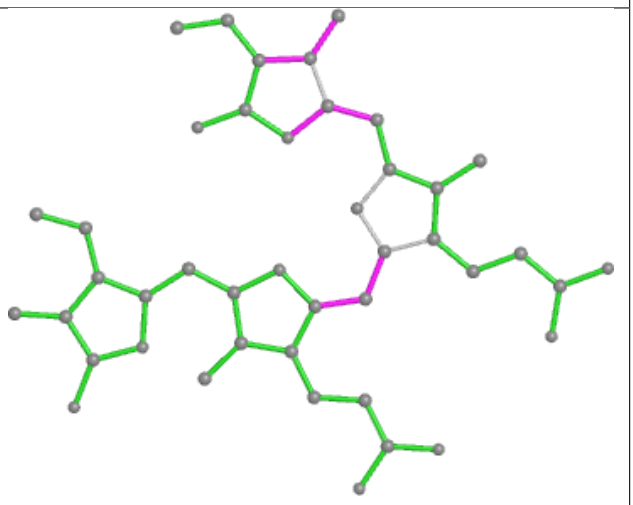

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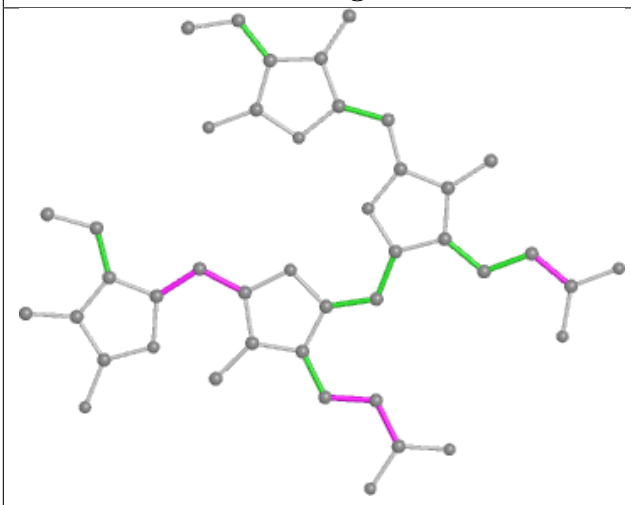

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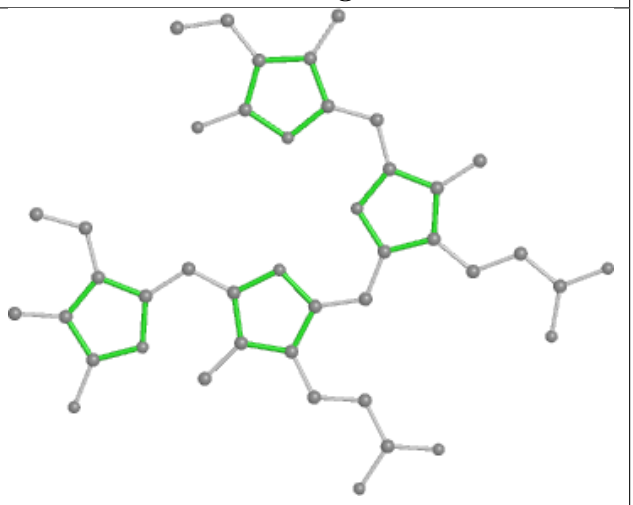

Rings

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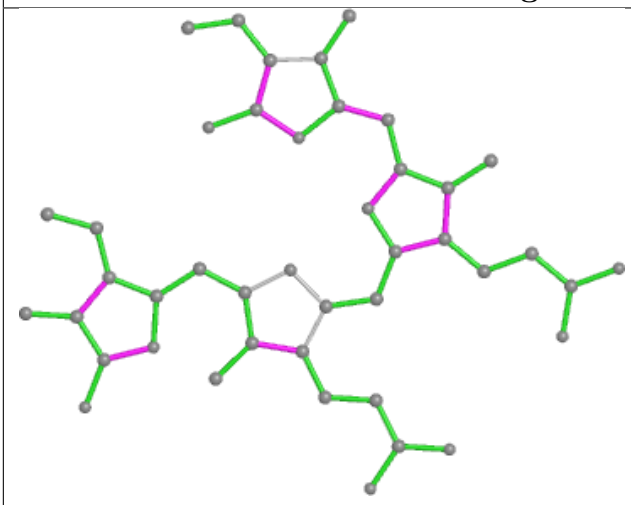

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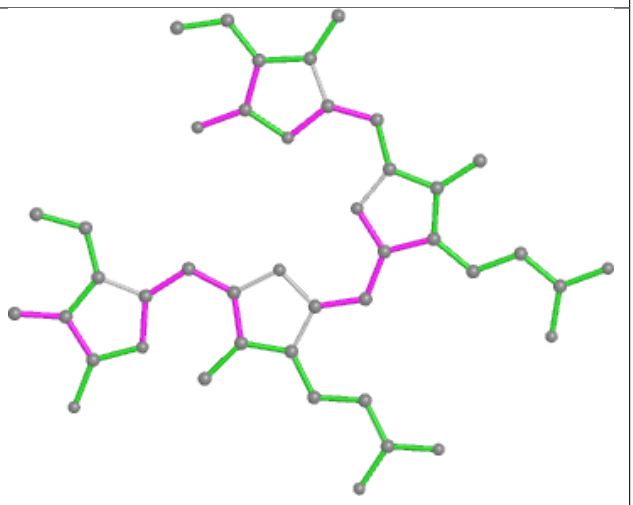

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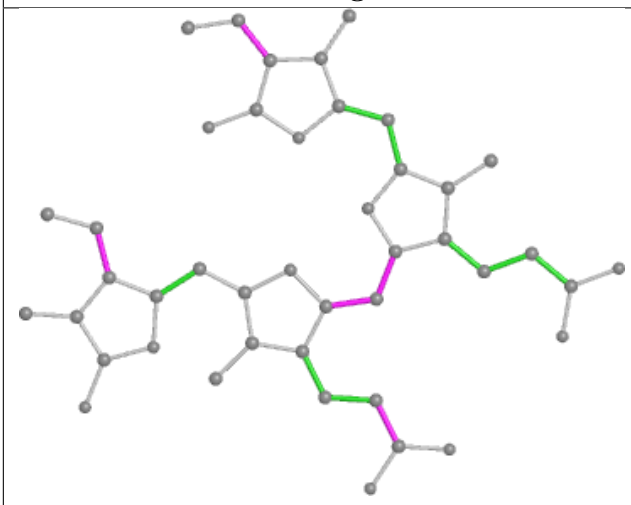

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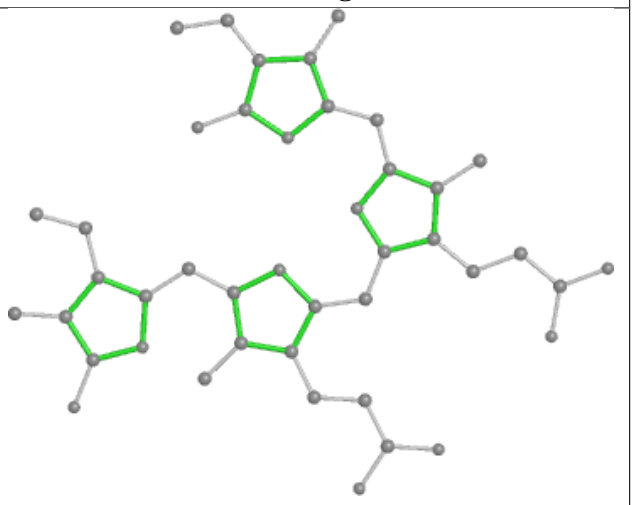

Rings

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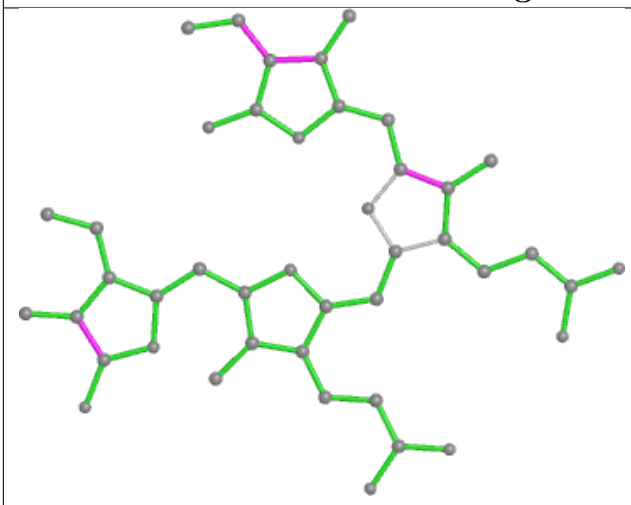

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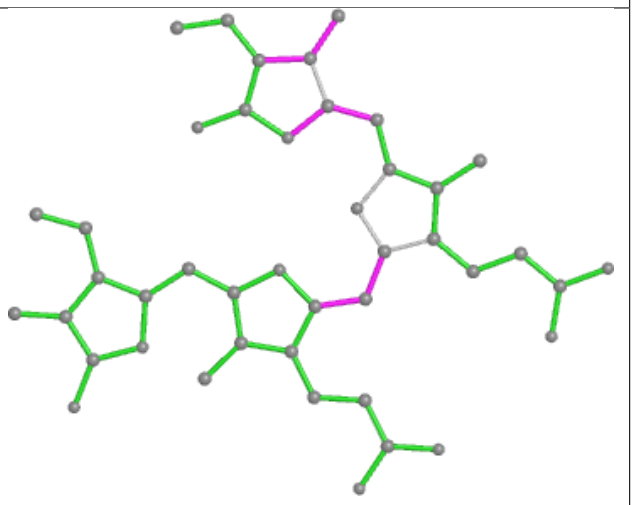

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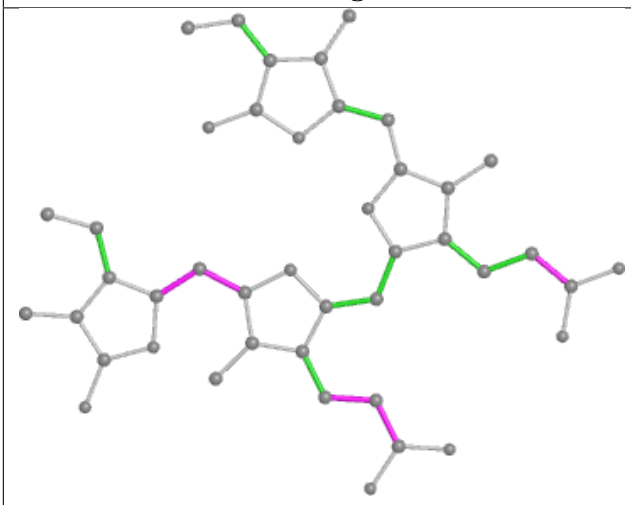

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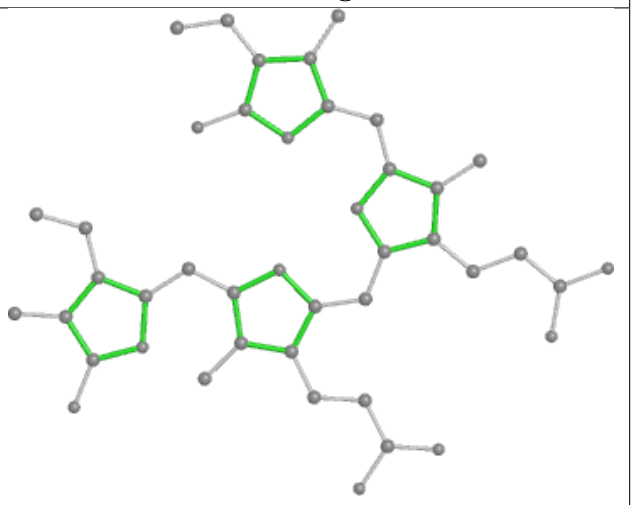

Rings

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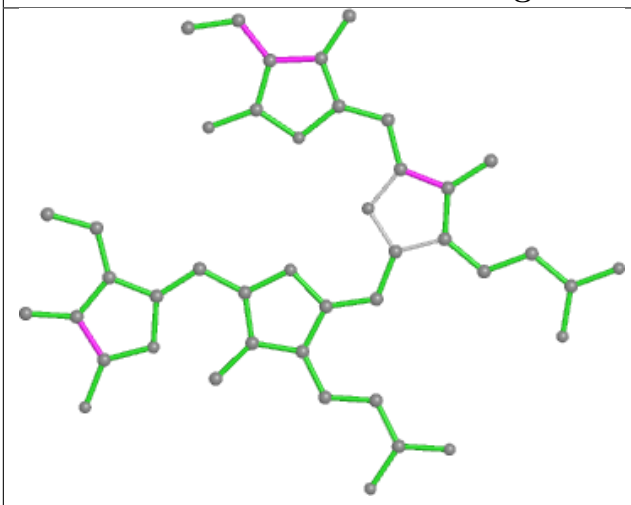

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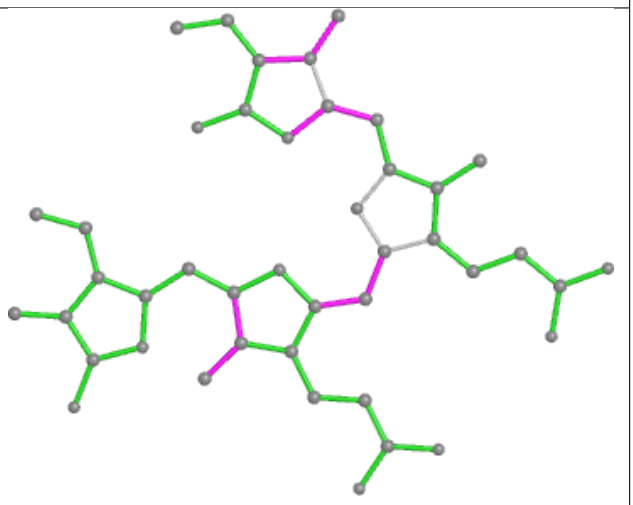

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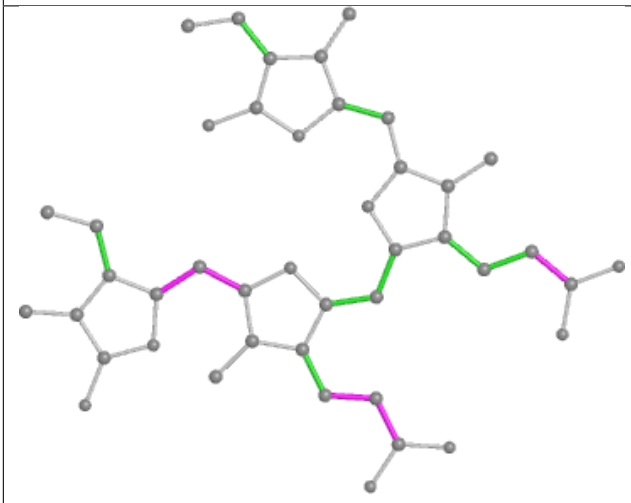

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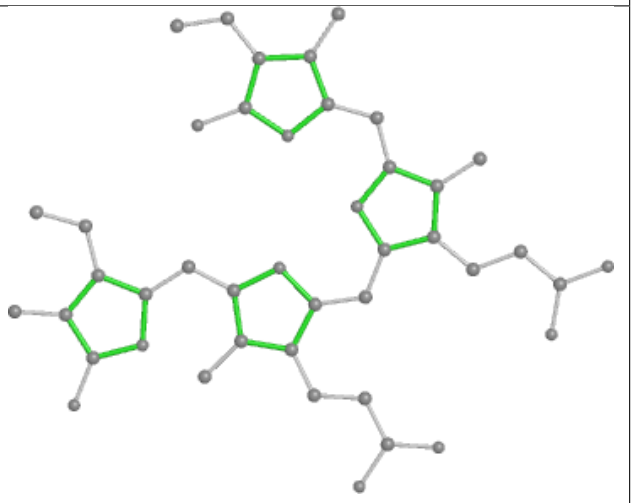

Rings

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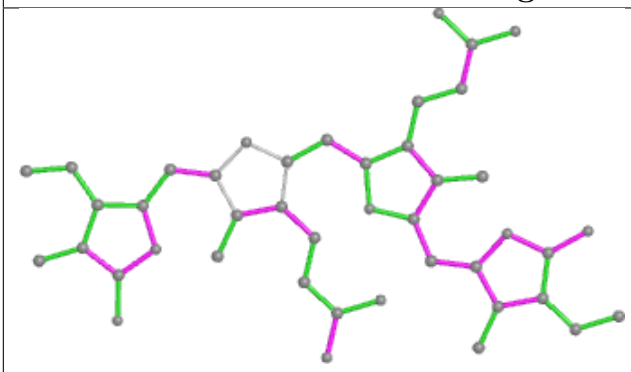

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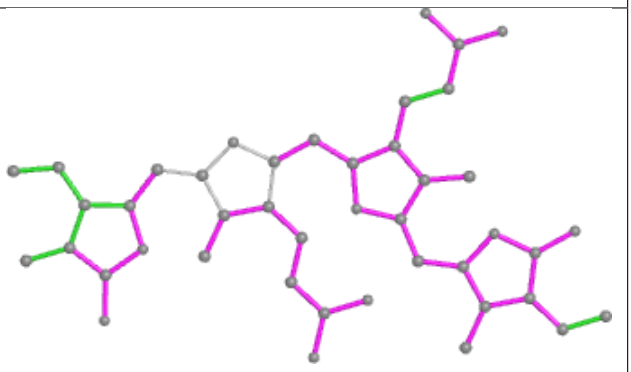

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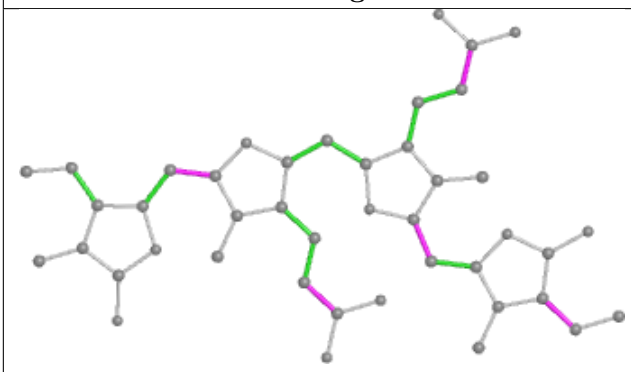

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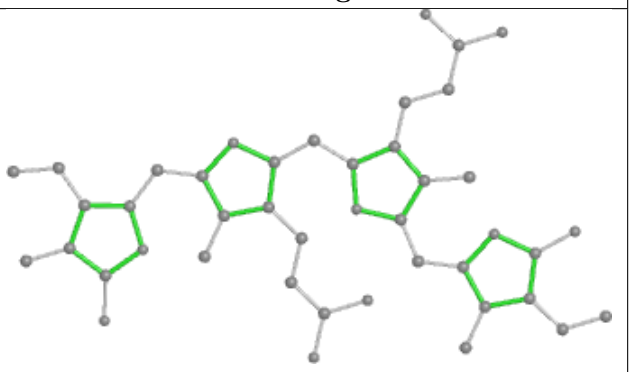

Rings

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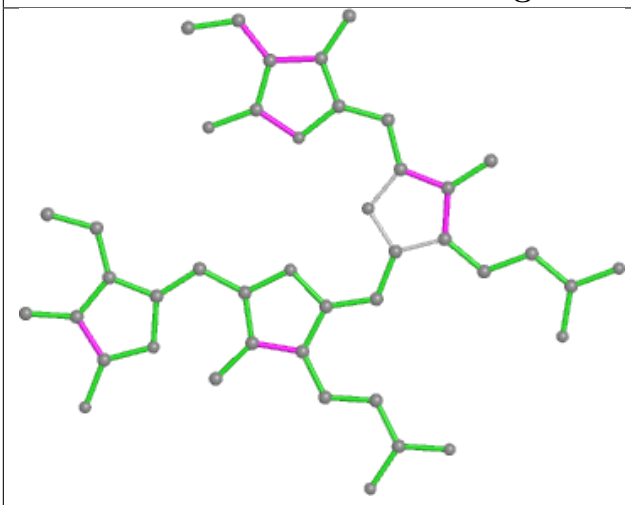

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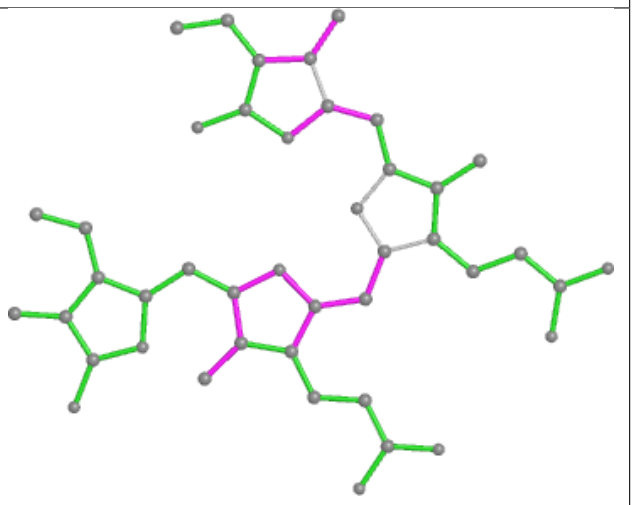

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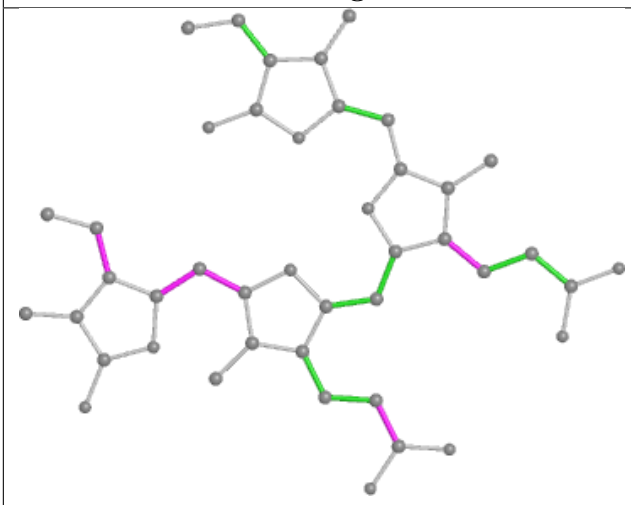

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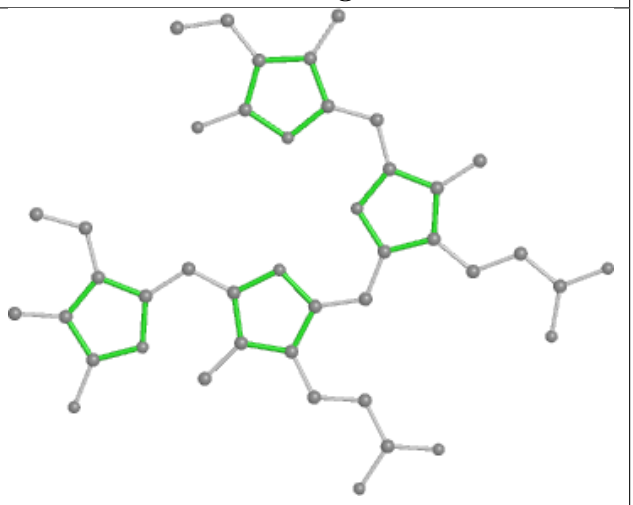
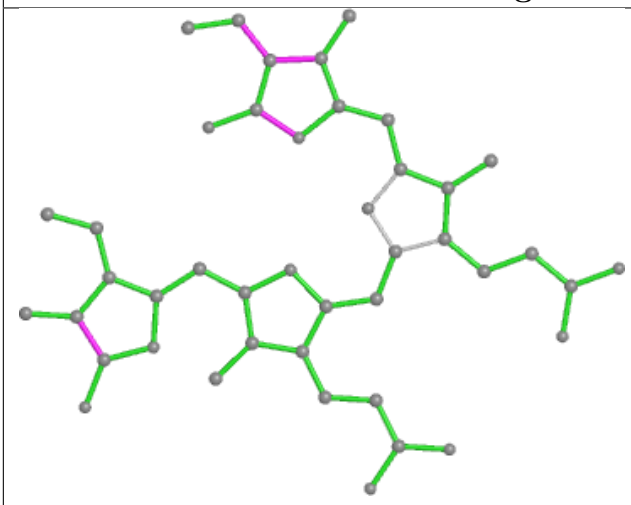


Rings

Ligand PEB N5 201



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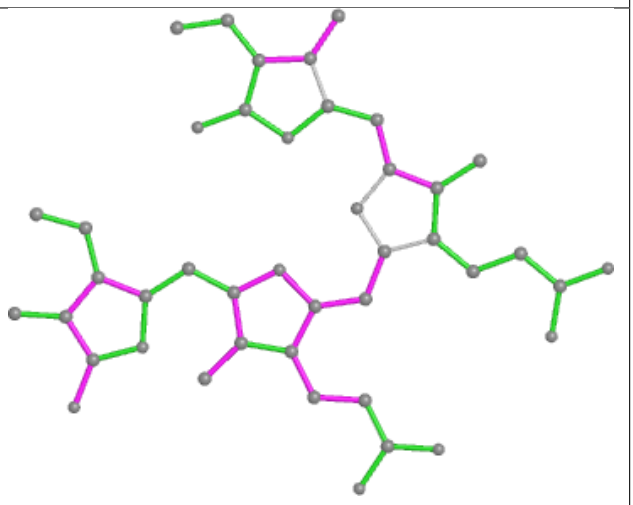

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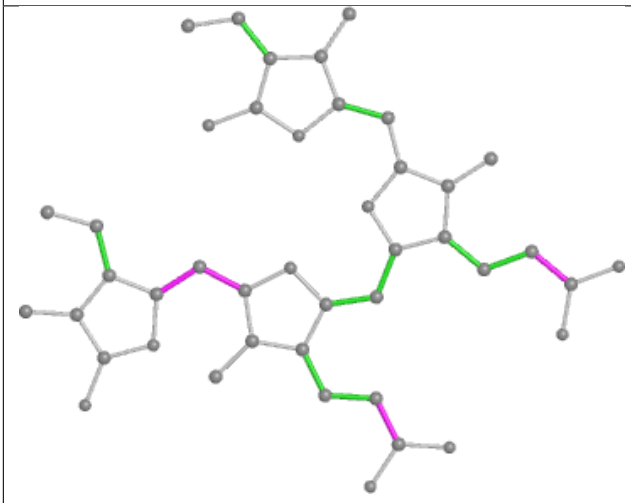

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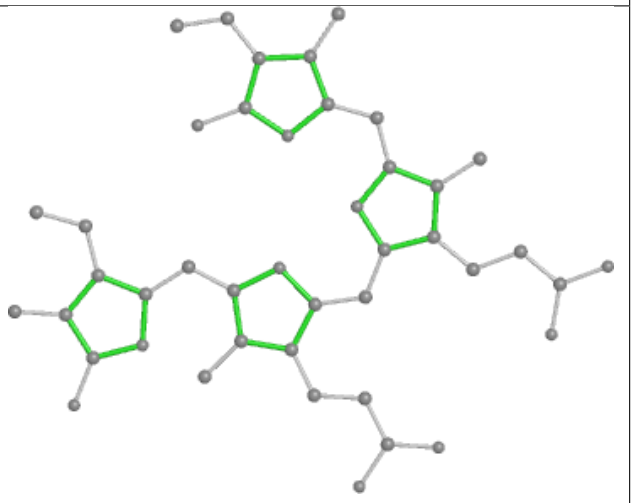

Rings

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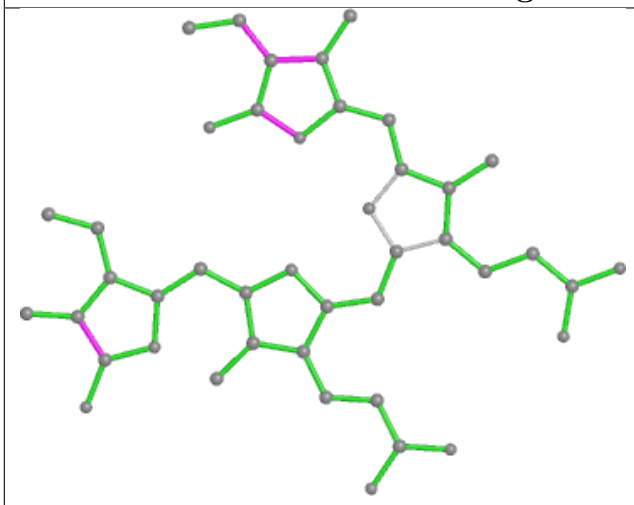

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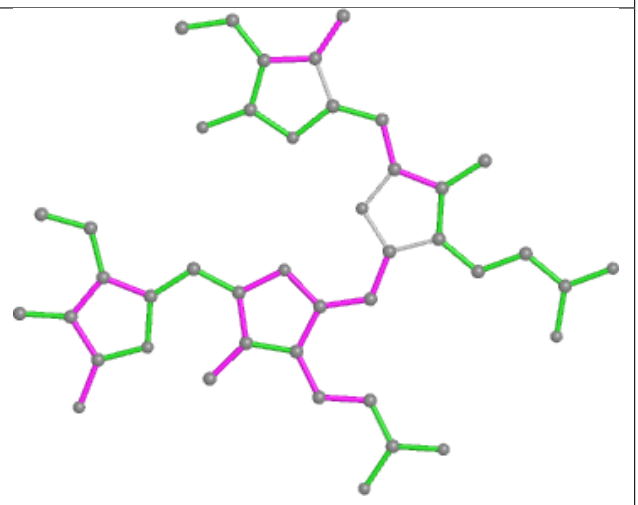

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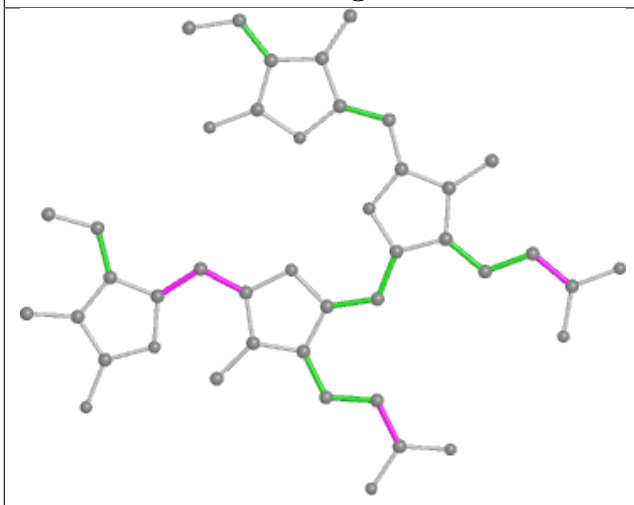

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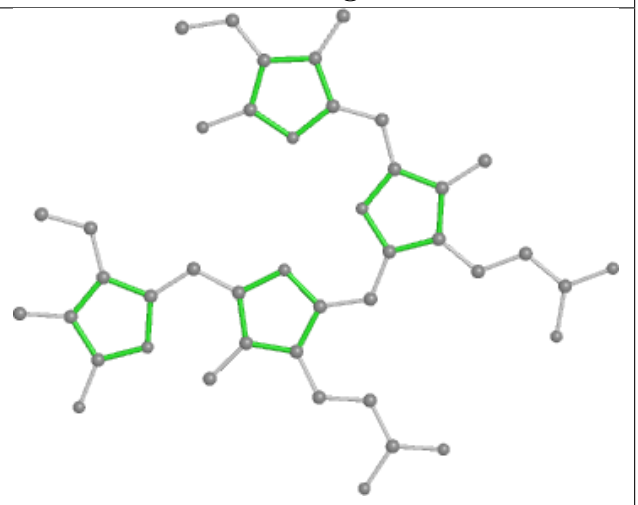

Rings

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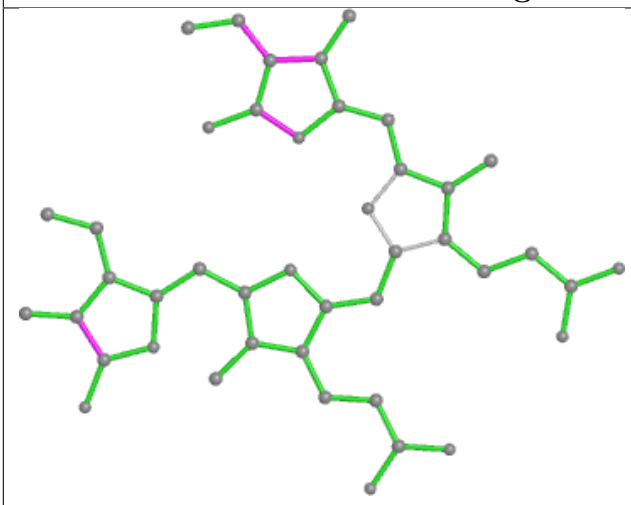

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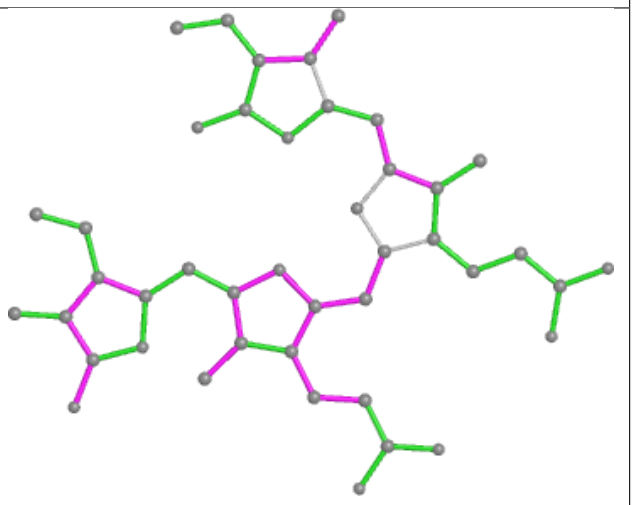
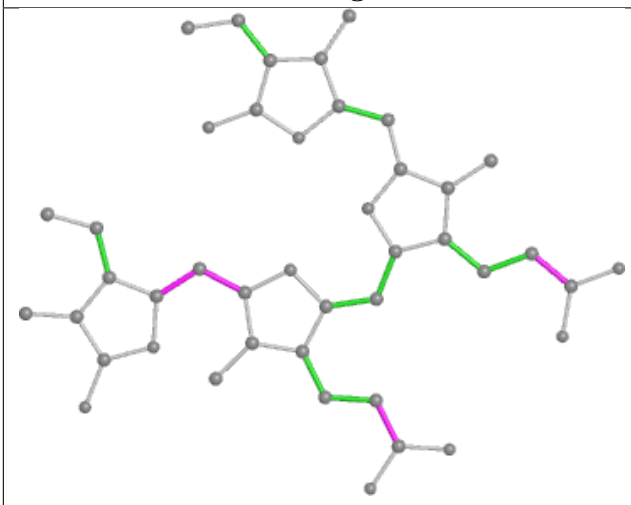
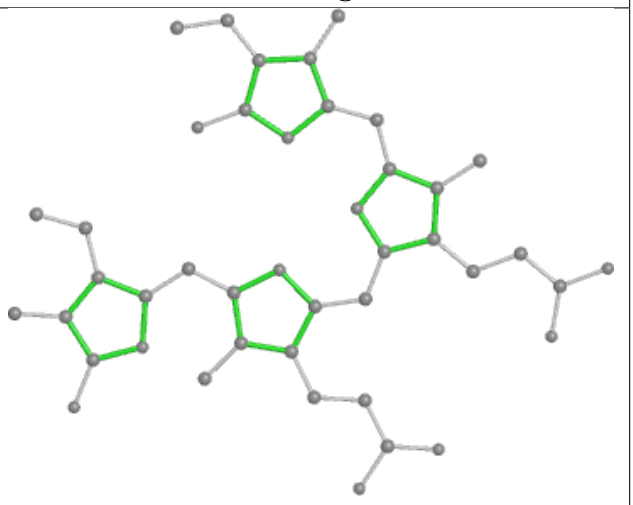


Bond angles

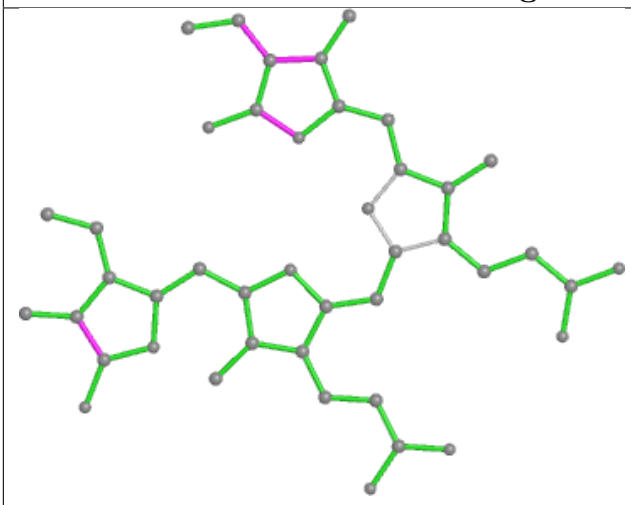


Torsions



Rings

Ligand PEB eS 201



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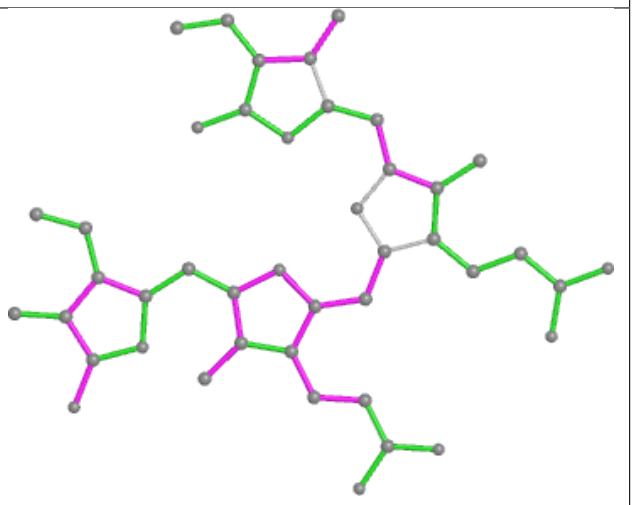

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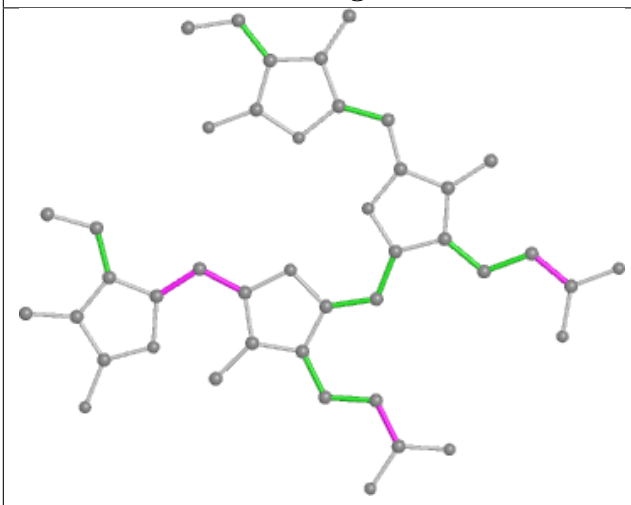

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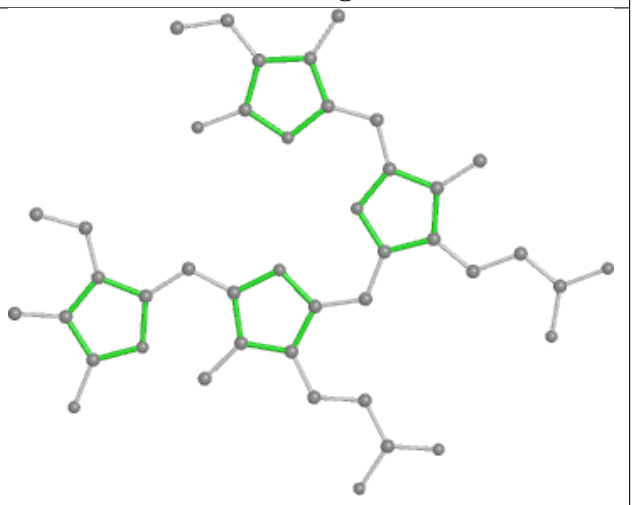
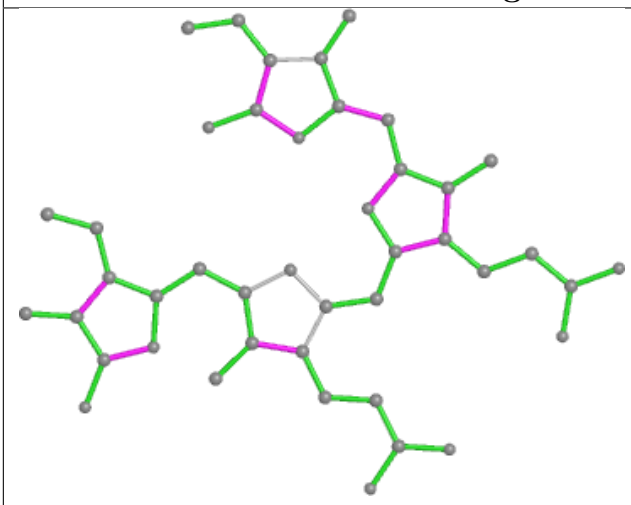


Rings

Ligand PUB kU 1003



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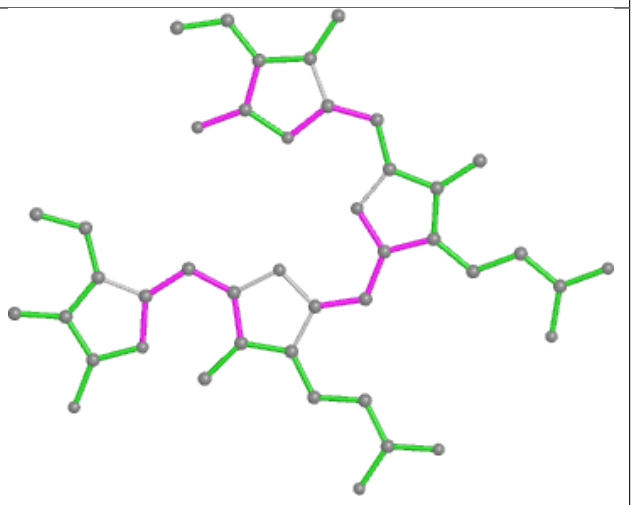
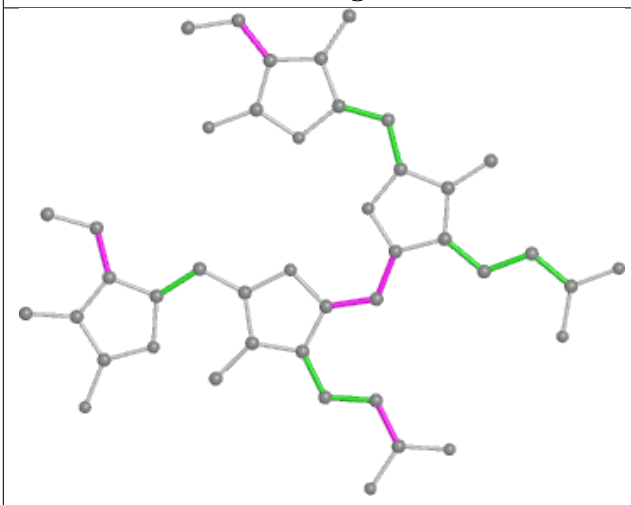


Bond angles



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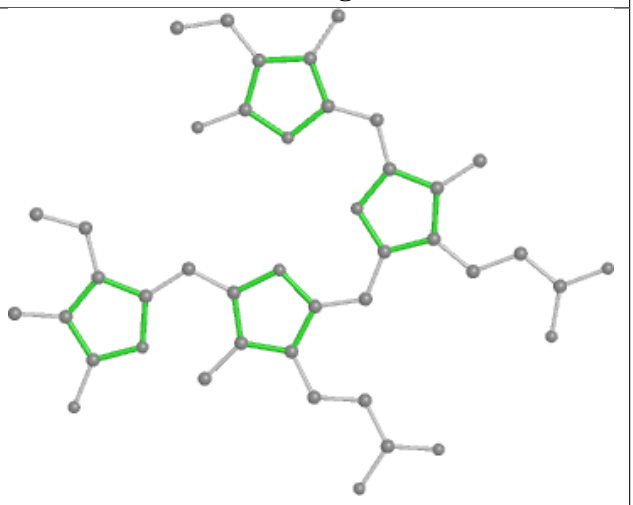
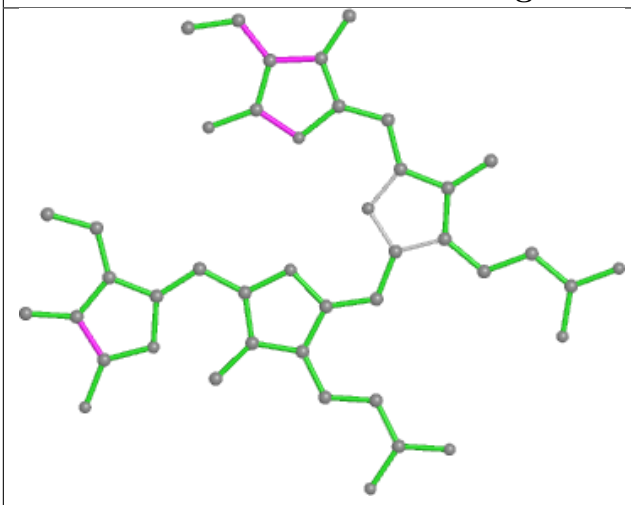


Rings

Ligand PEB Q4 203



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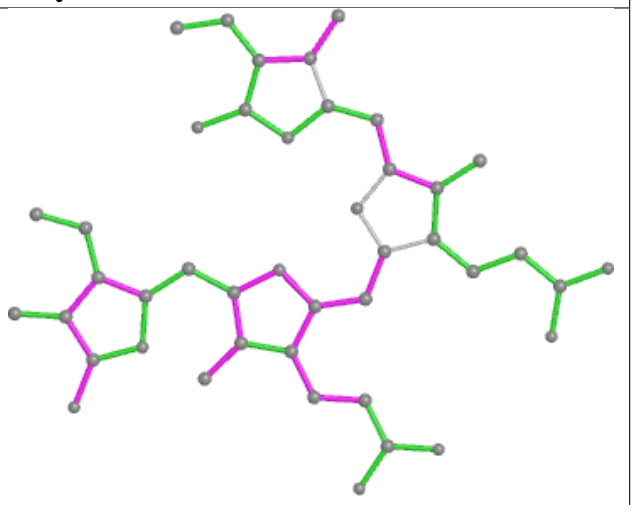

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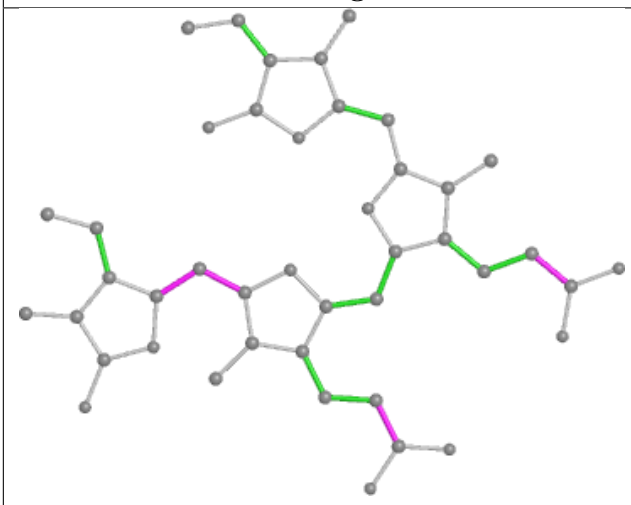

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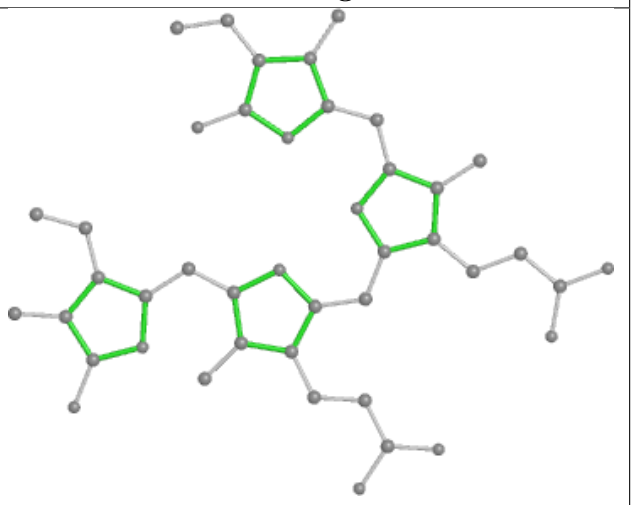
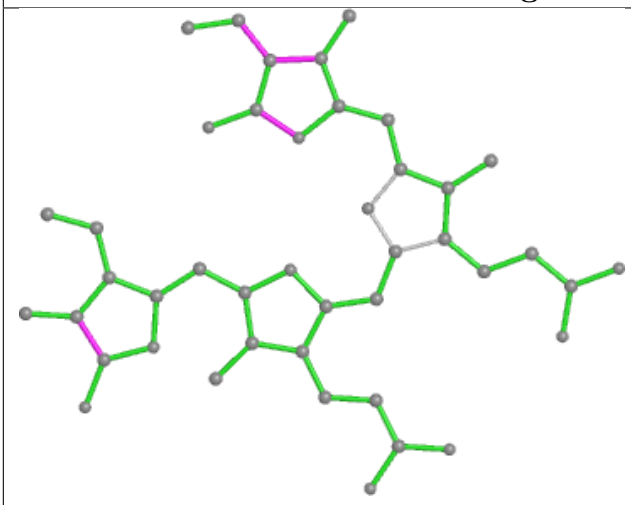


Rings

Ligand PEB c5 202



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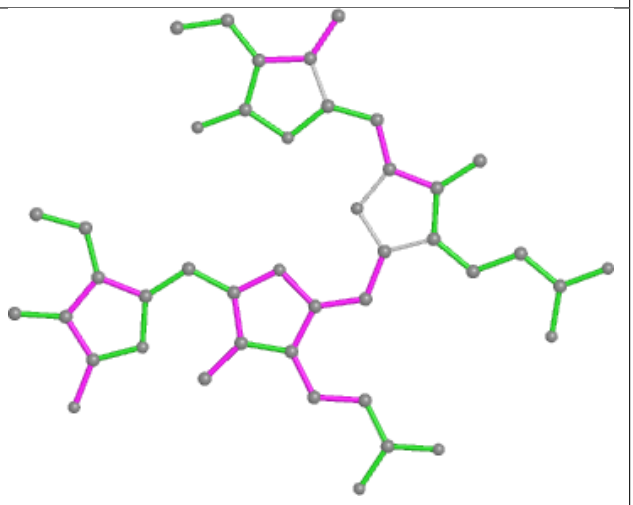

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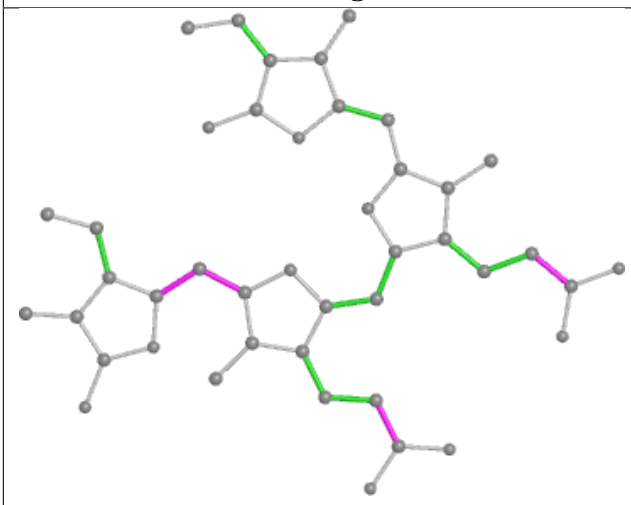

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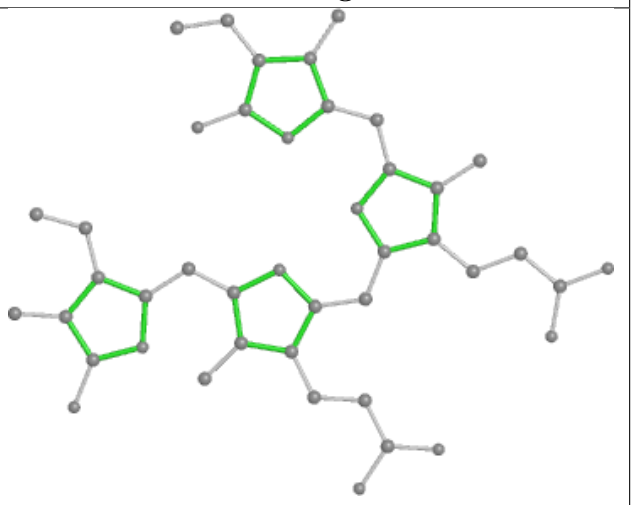
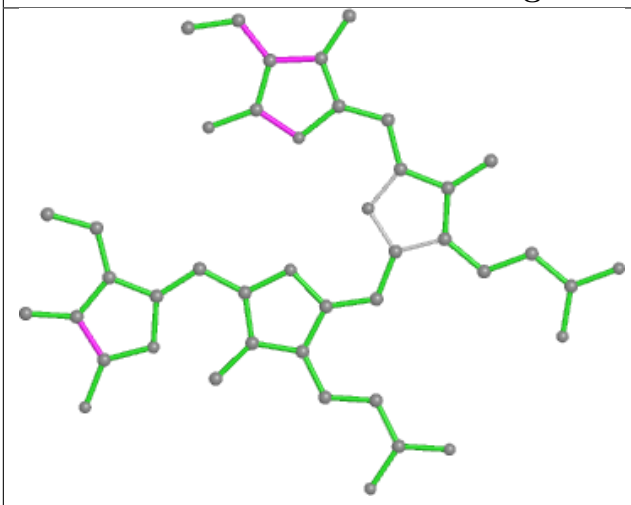


Rings

Ligand PEB i3 201



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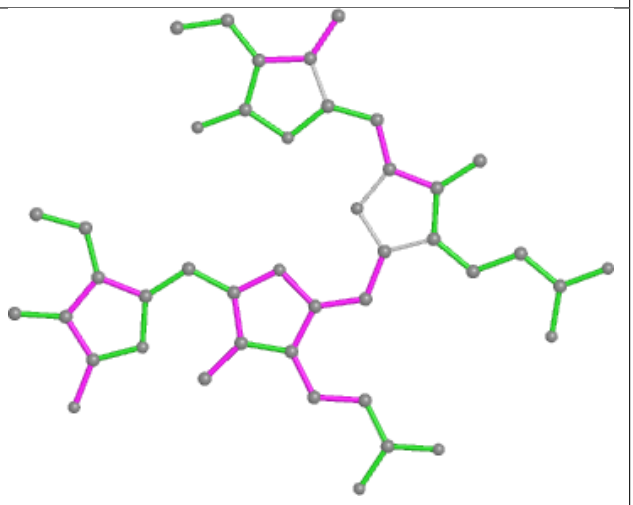

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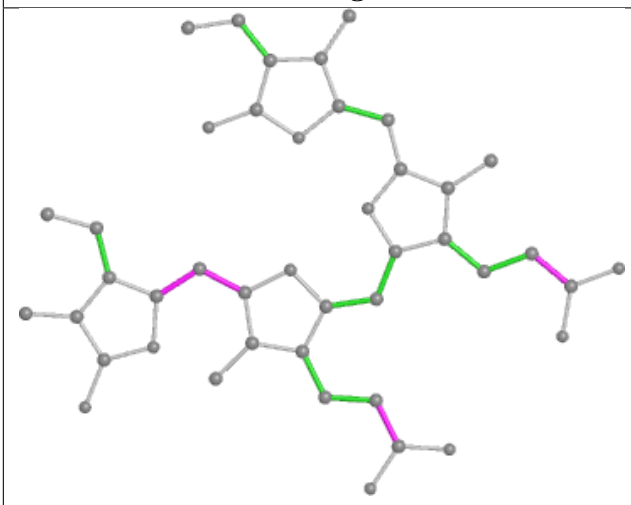

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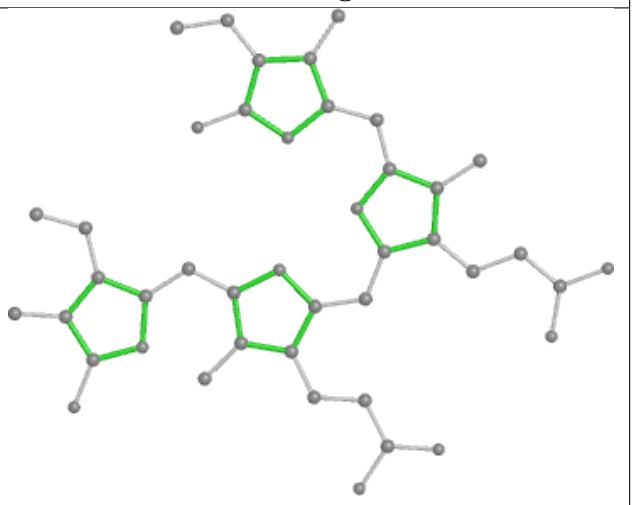
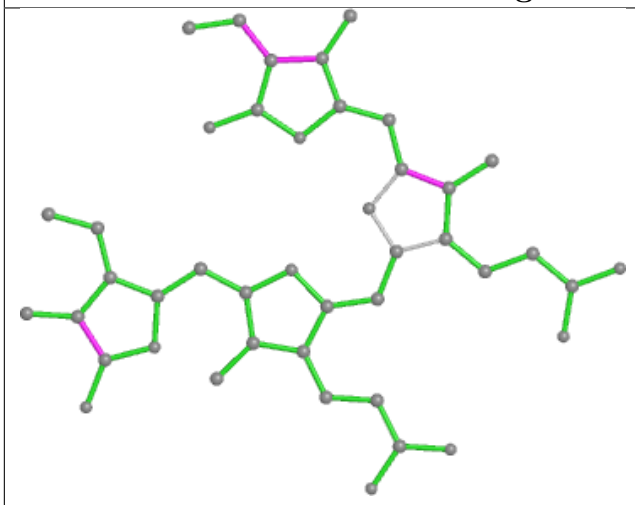


Rings

Ligand PEB bA 202



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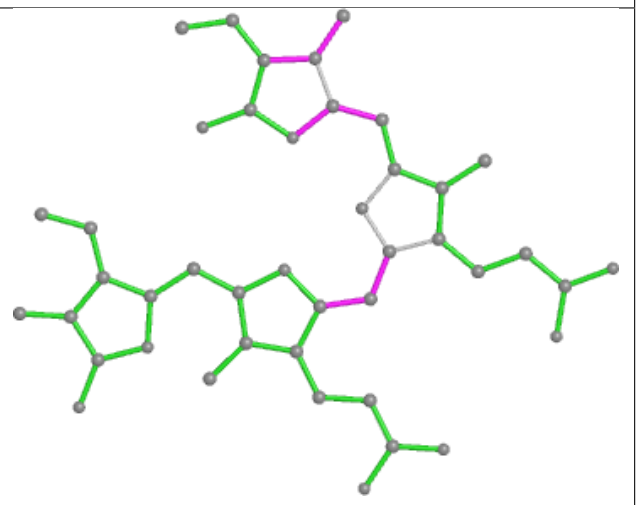

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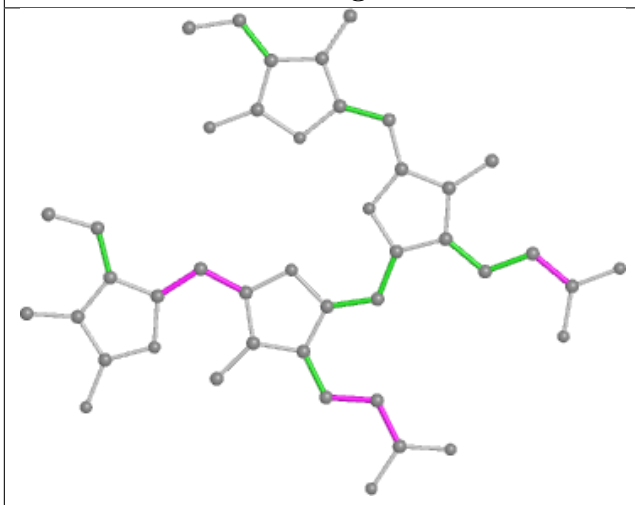

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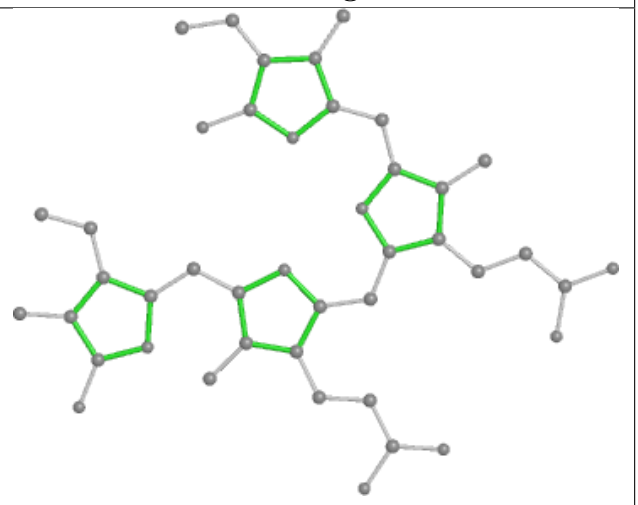

Rings

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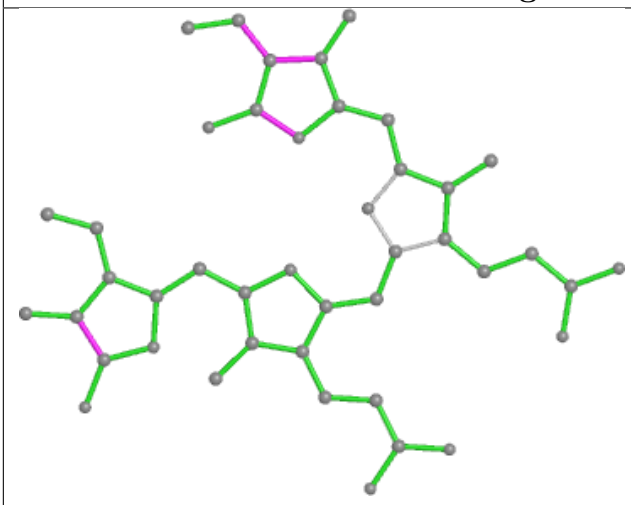

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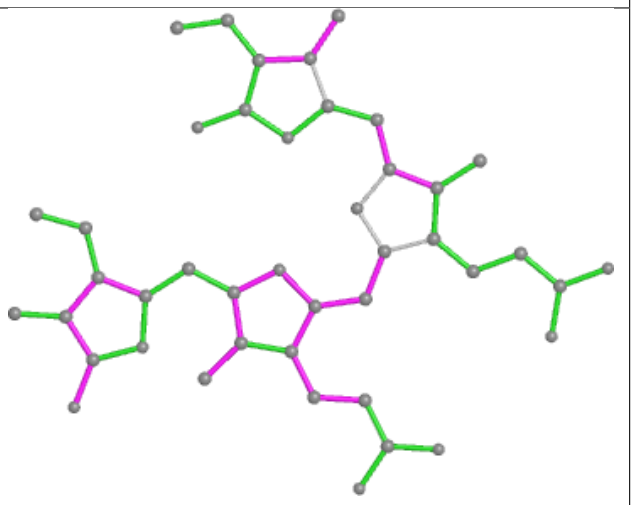

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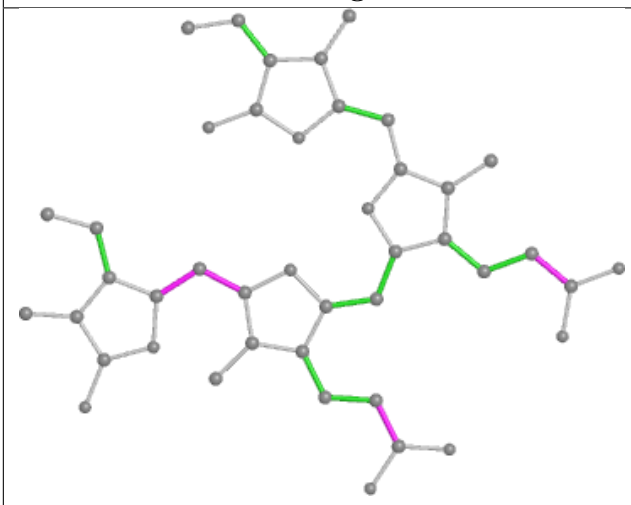

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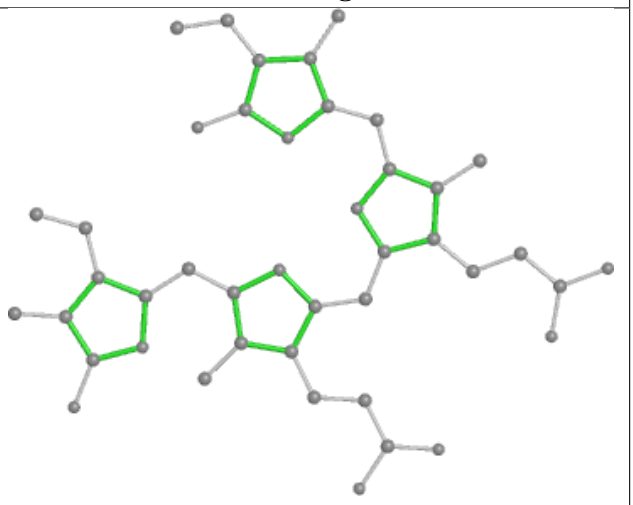
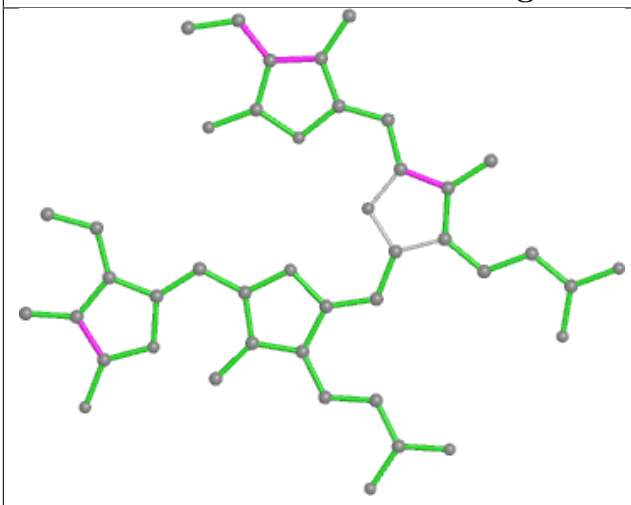


Rings

Ligand PEB cw 202



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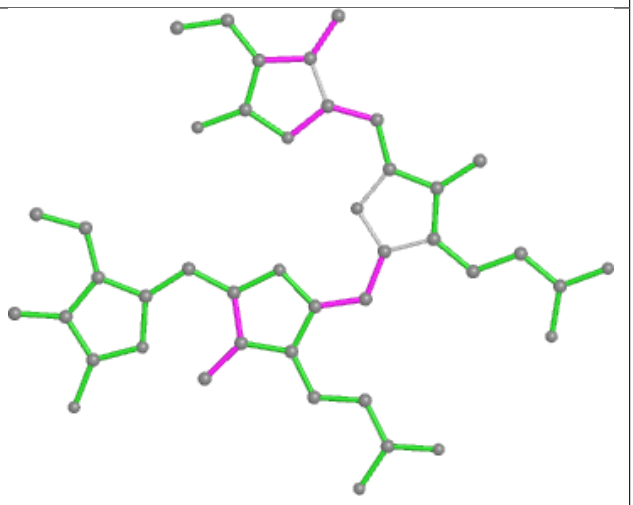

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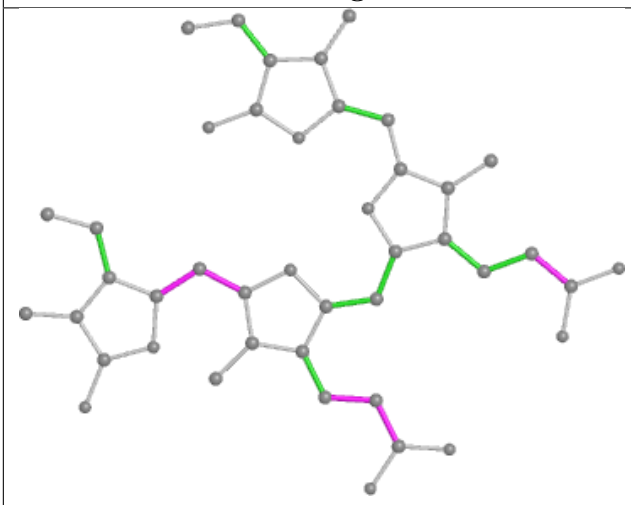

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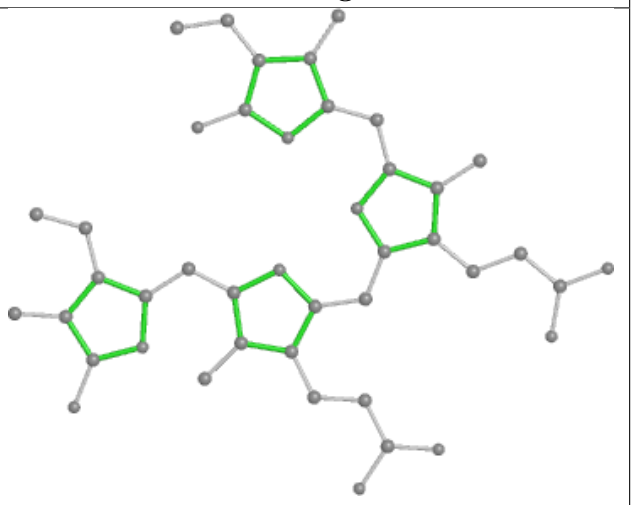
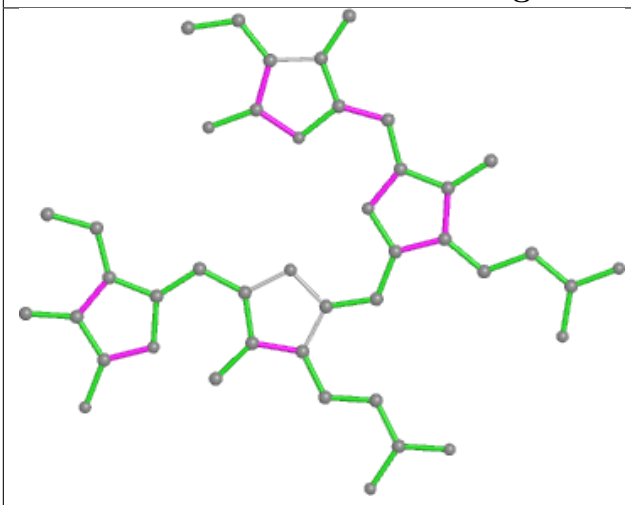


Rings

Ligand PUB bB 203



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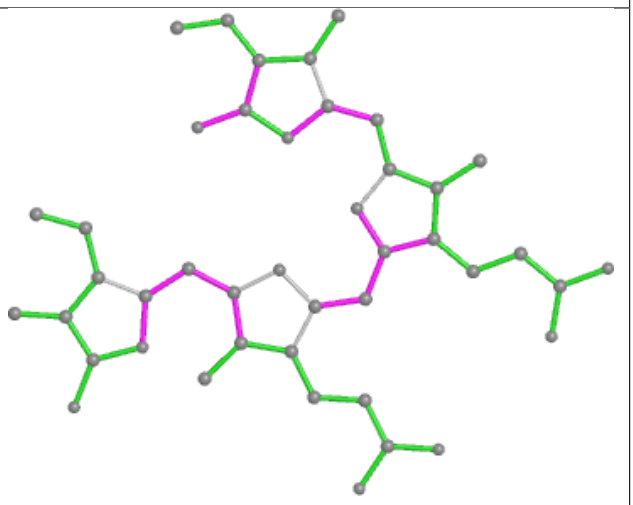

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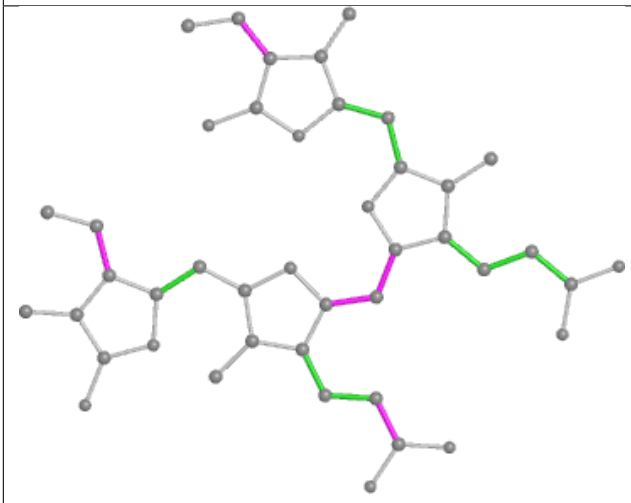

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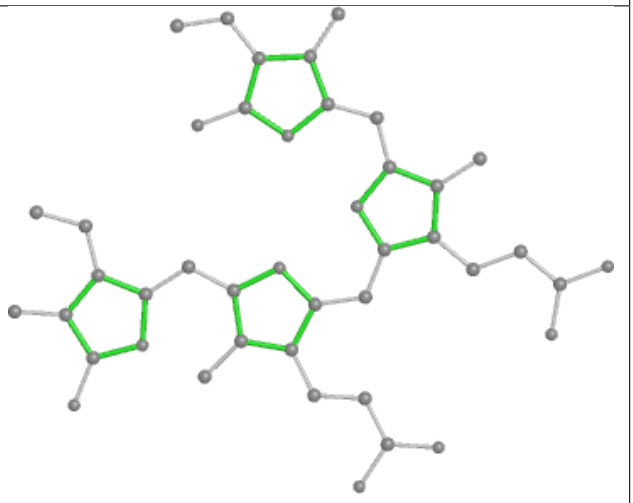
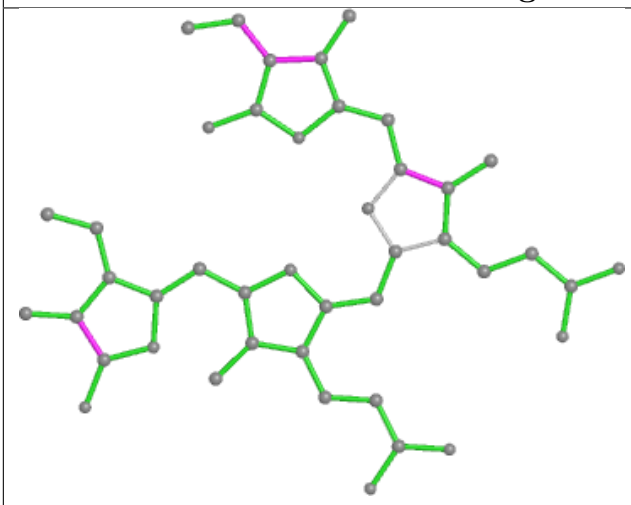


Rings

Ligand PEB eL 201



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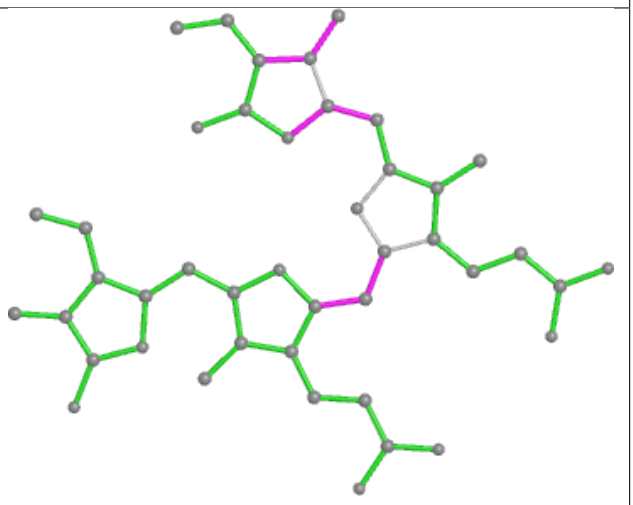

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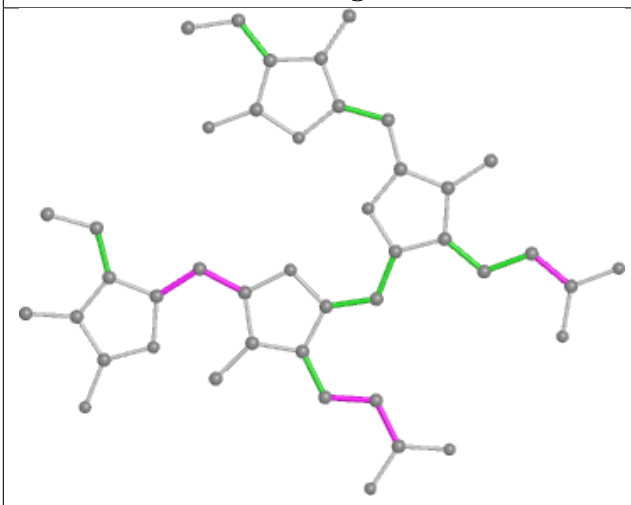

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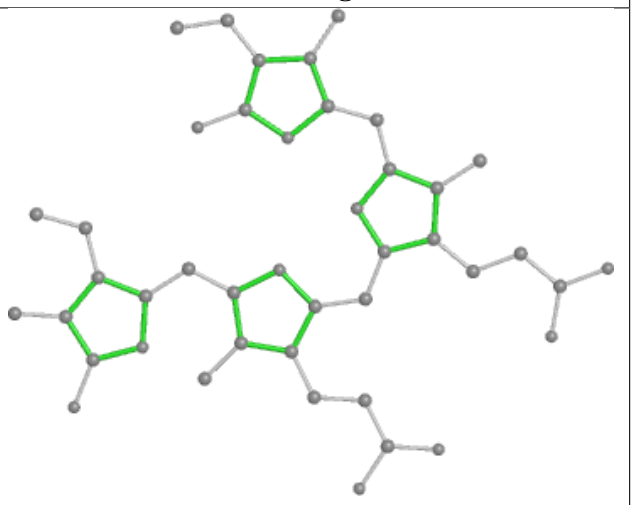
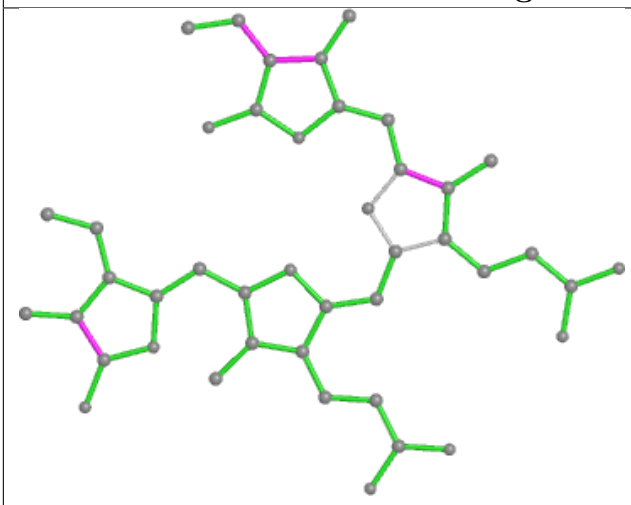


Rings

Ligand PEB Q9 202



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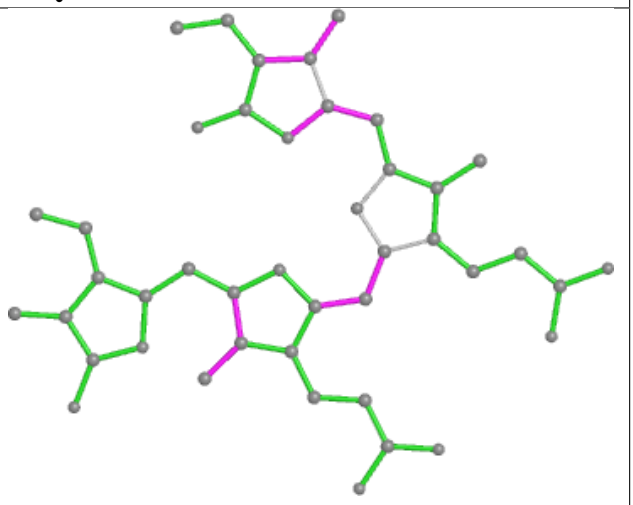

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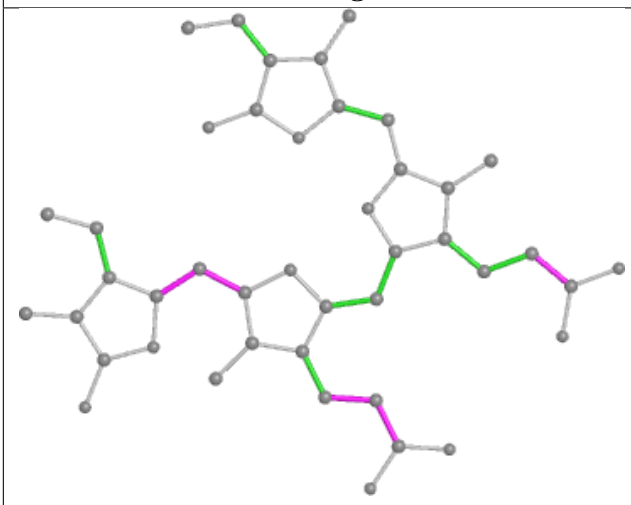

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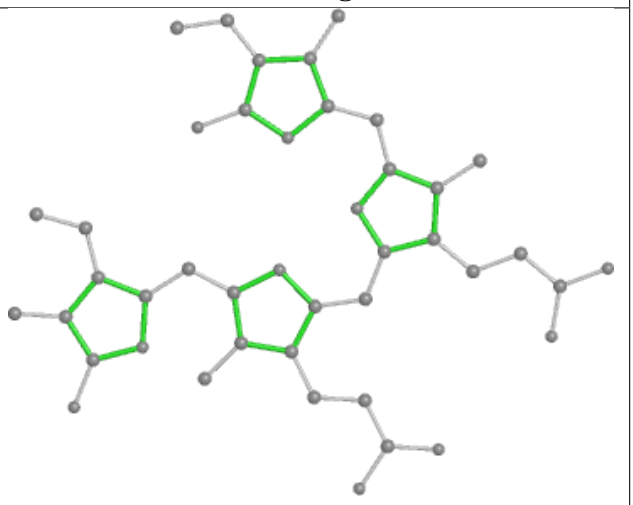
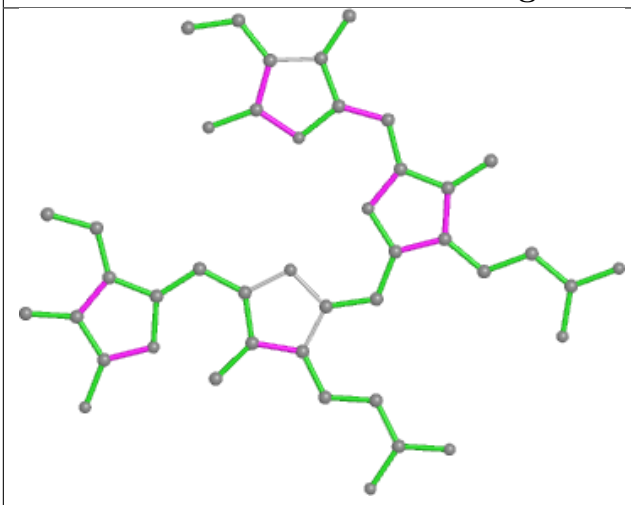


Rings

Ligand PUB e9 305



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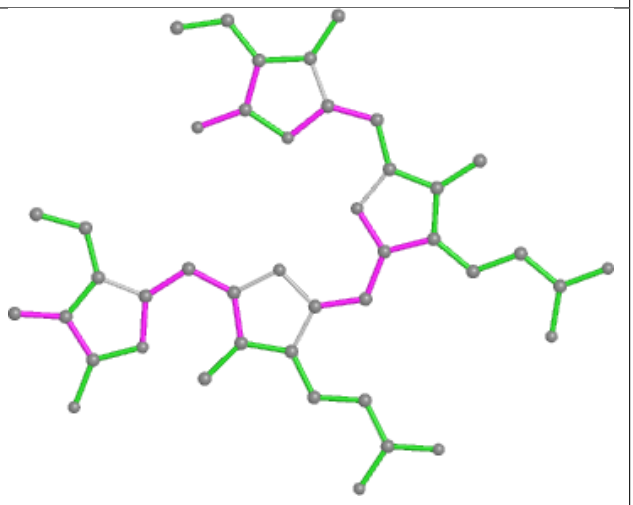
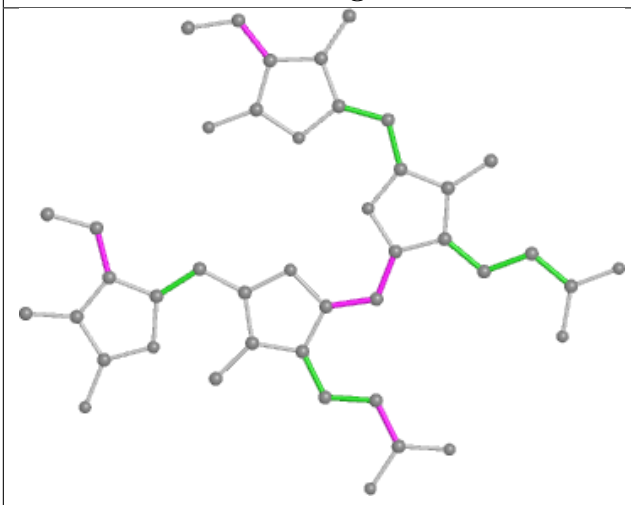


Bond angles



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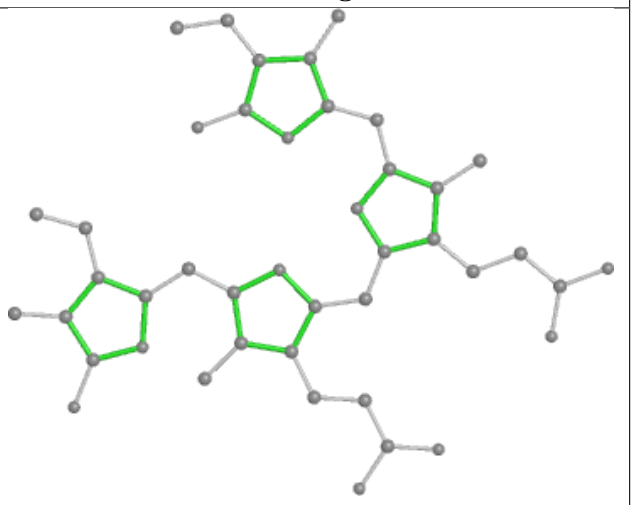
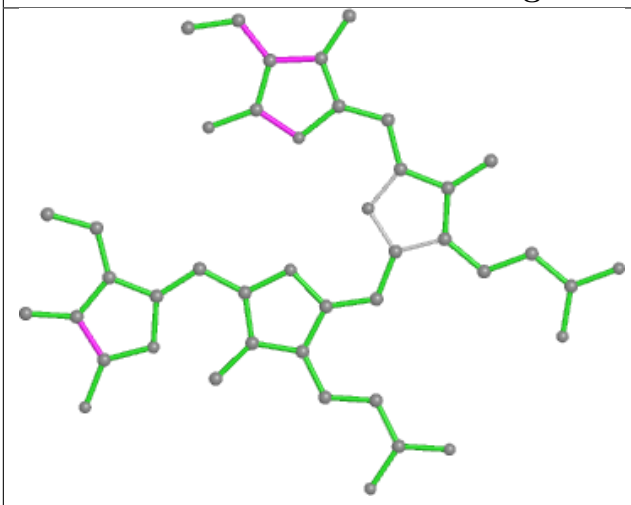


Rings

Ligand PEB f2 201



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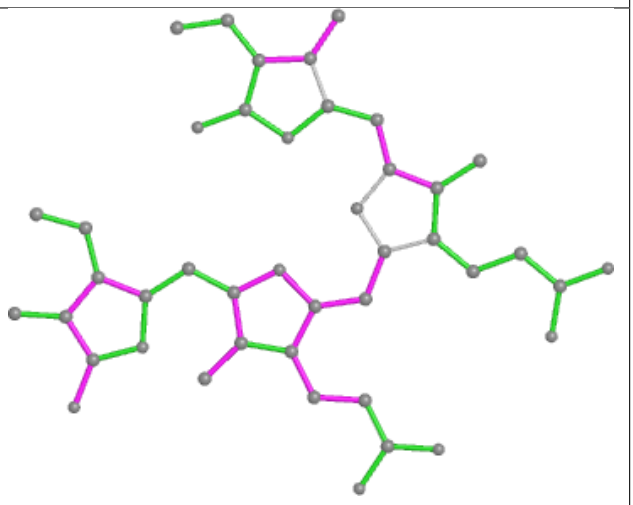
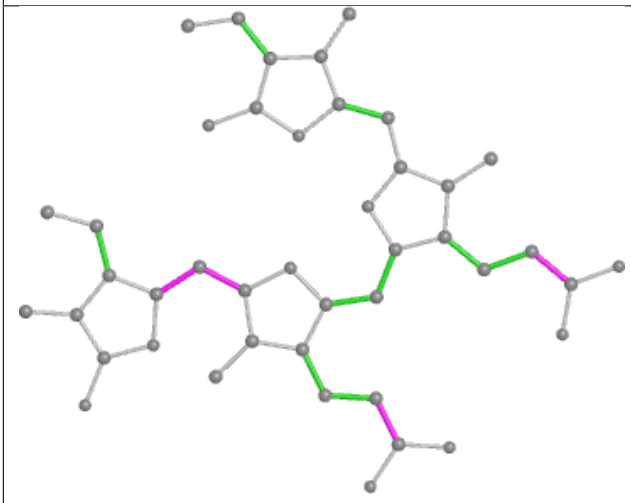
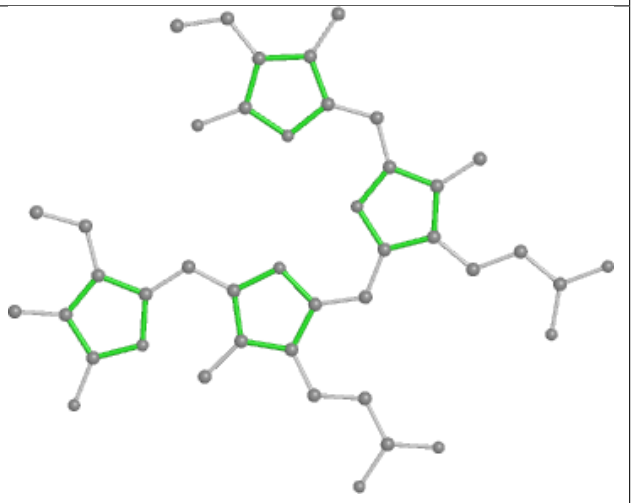


Bond angles

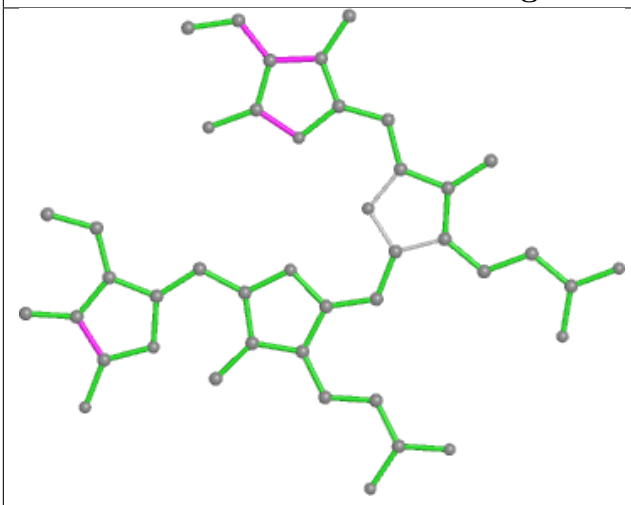


Torsions



Rings

Ligand PEB e2 202



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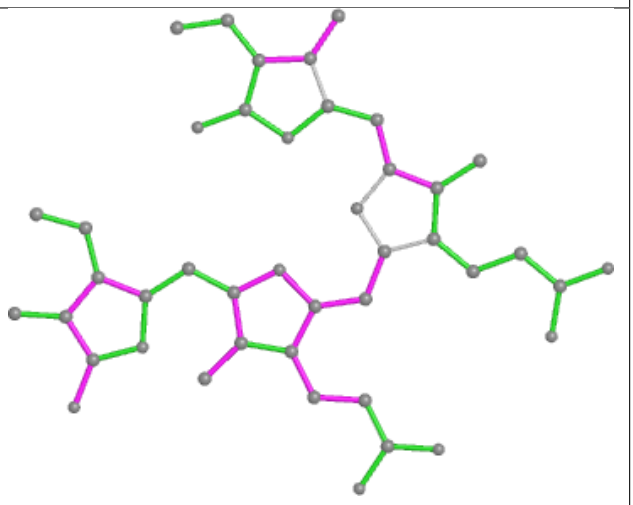

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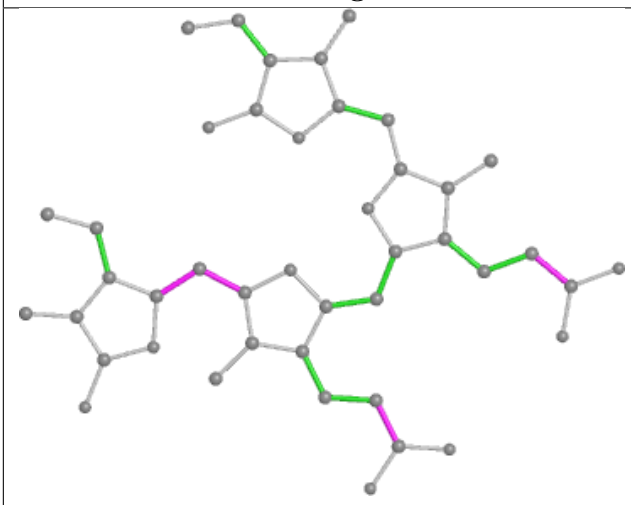

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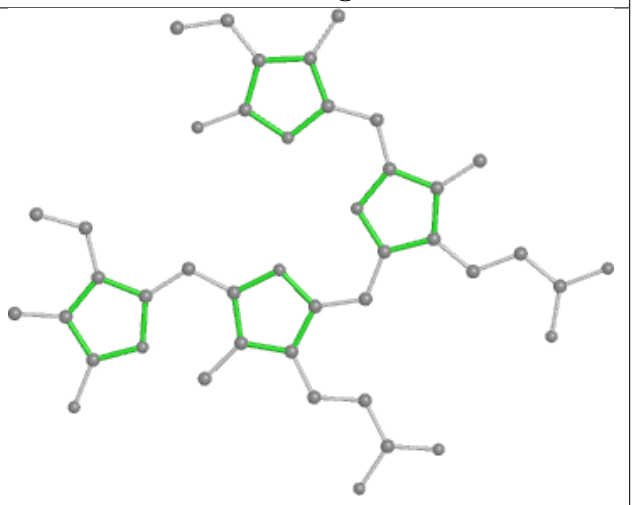
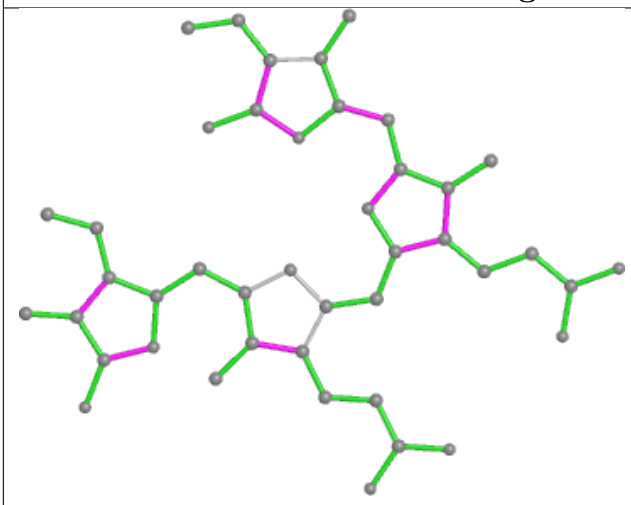


Rings

Ligand PUB co 202



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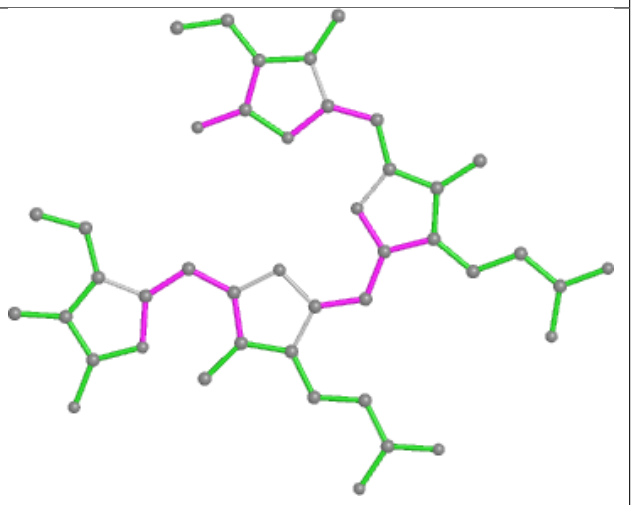

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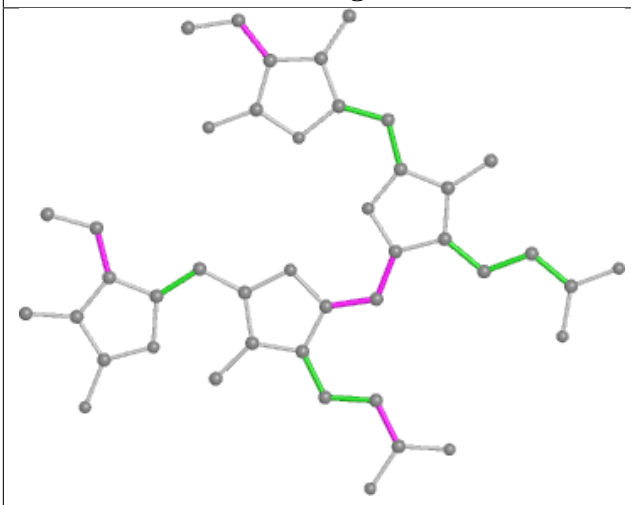

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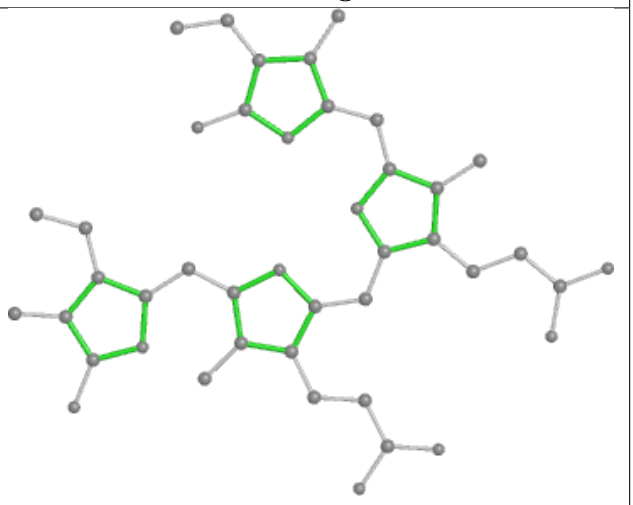

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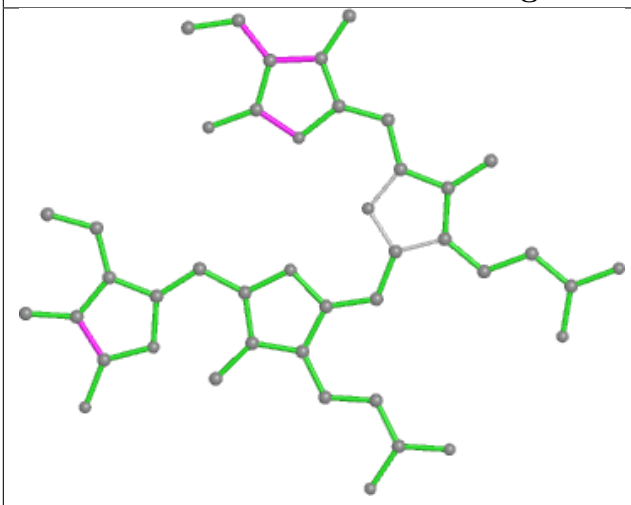

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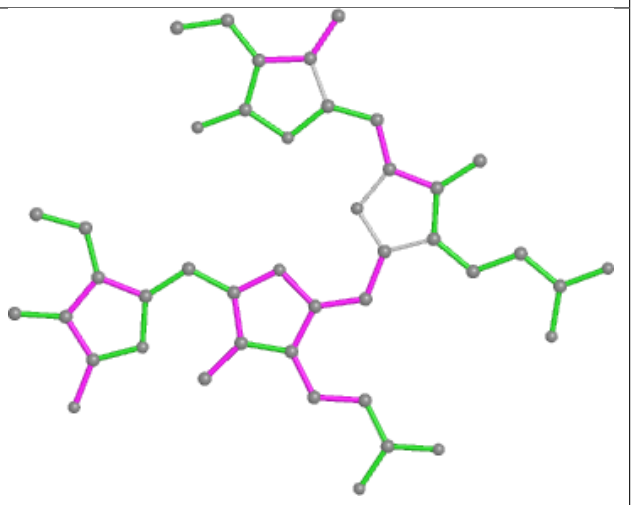

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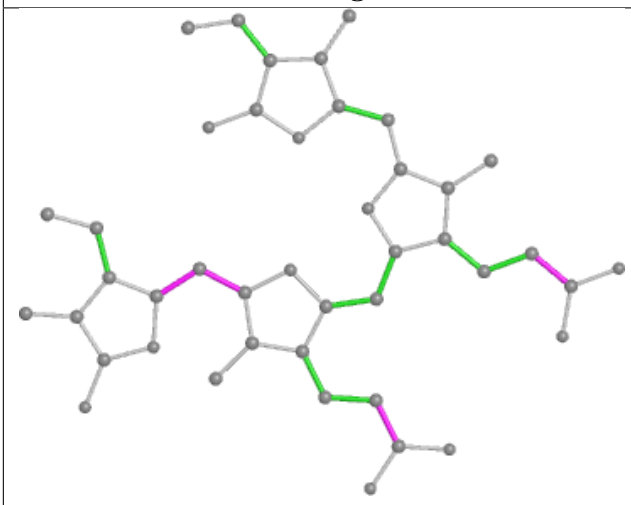

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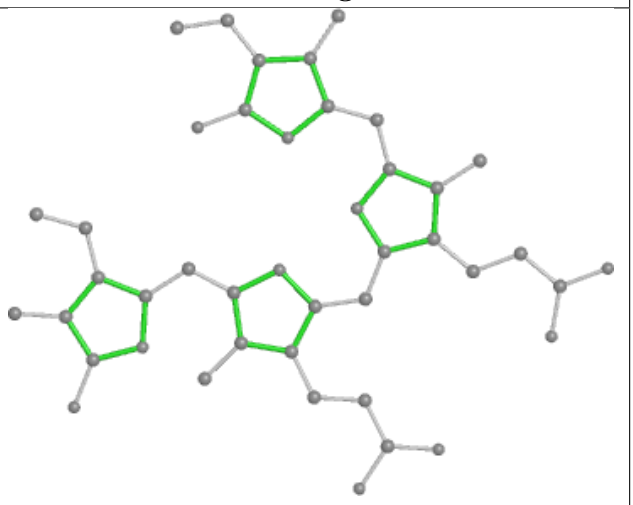
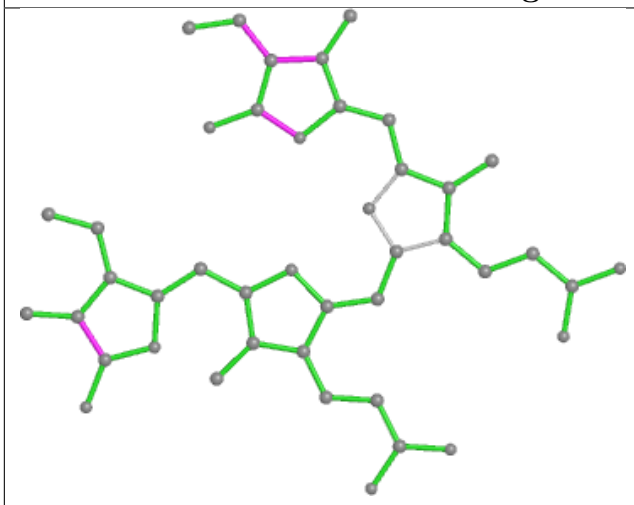


Rings

Ligand PEB az 201



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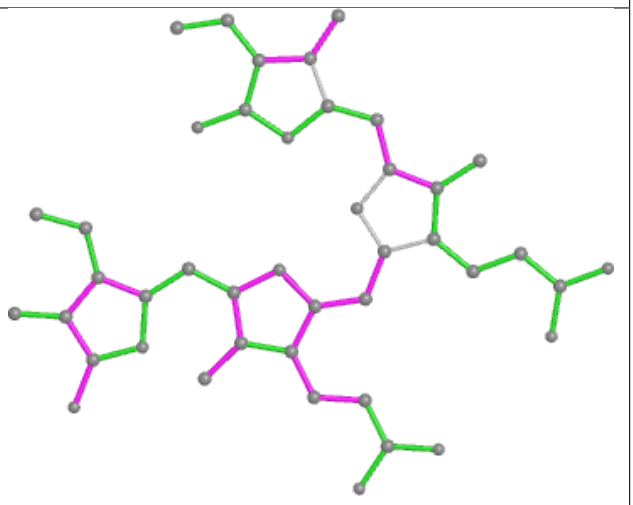

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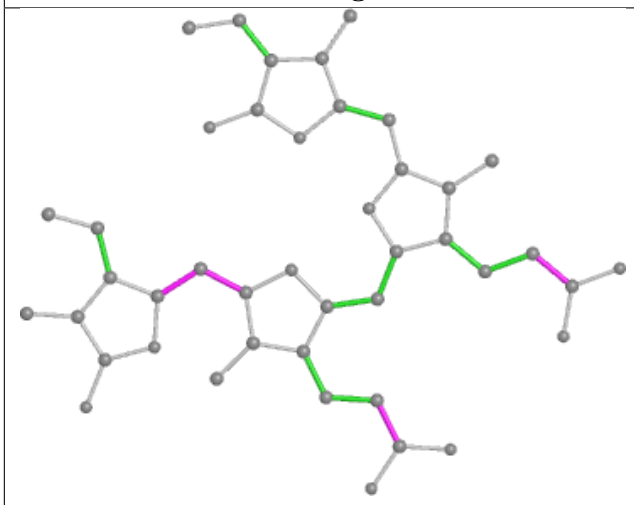

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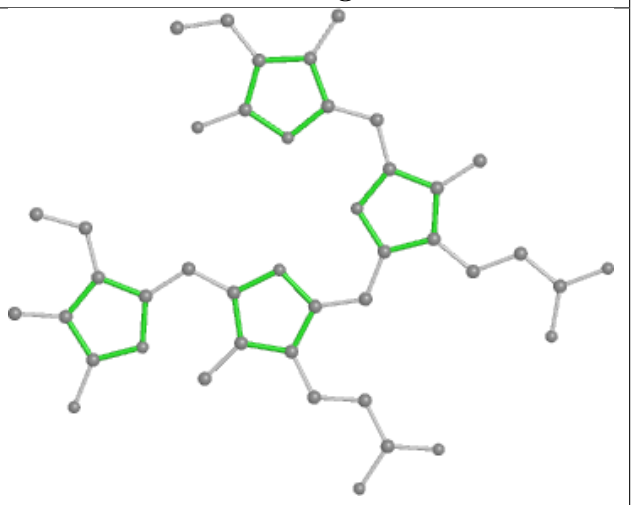
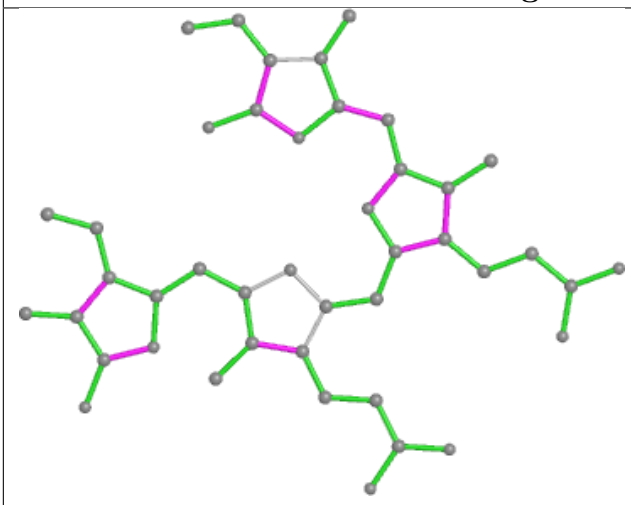


Rings

Ligand PUB fo 203



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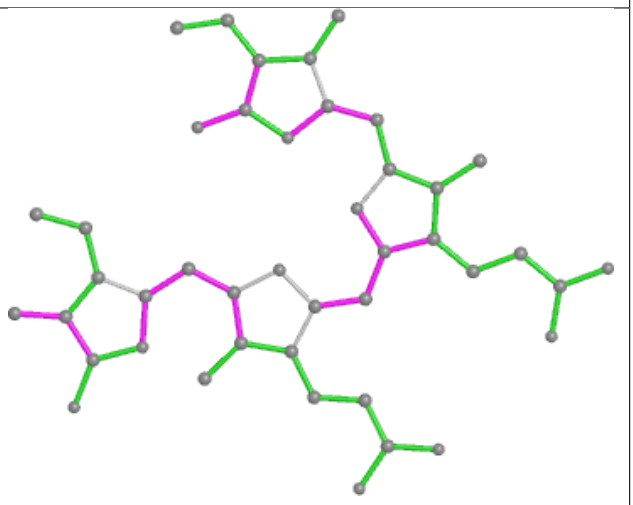

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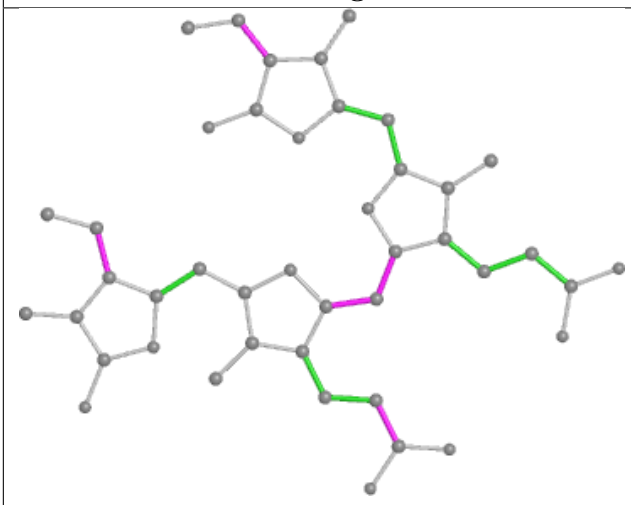

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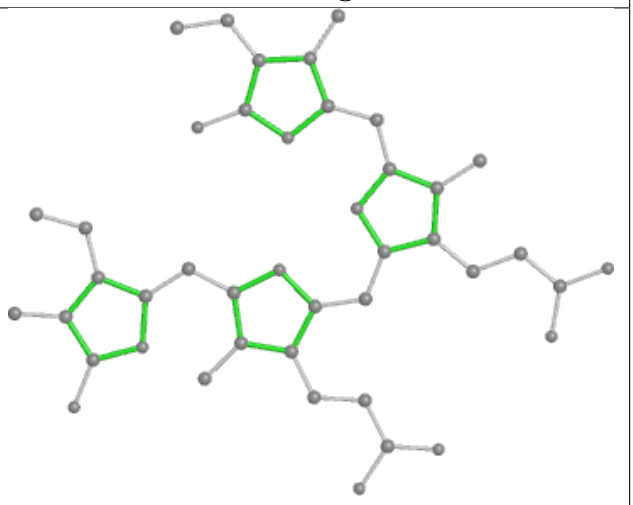
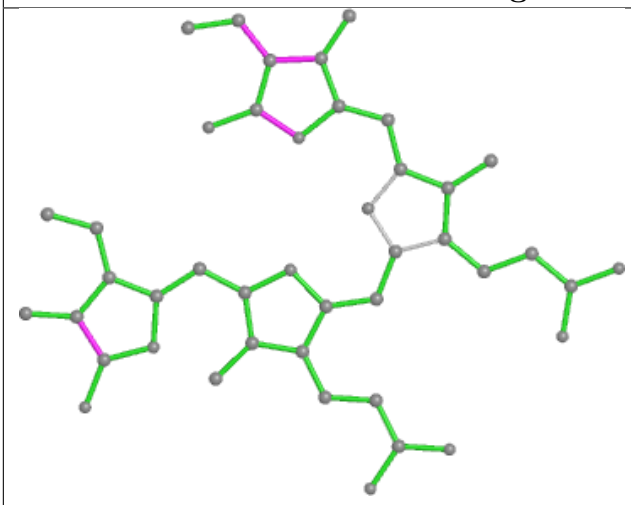


Rings

Ligand PEB b8 1002



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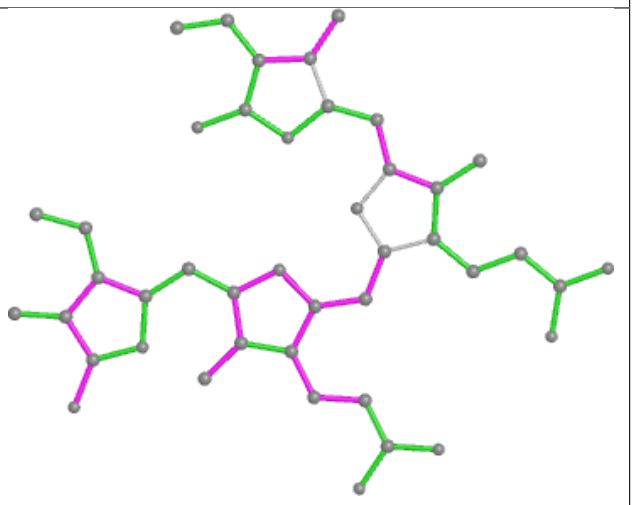

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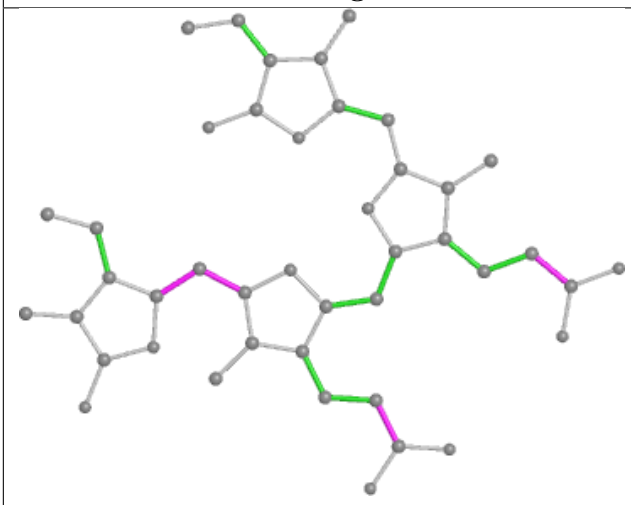

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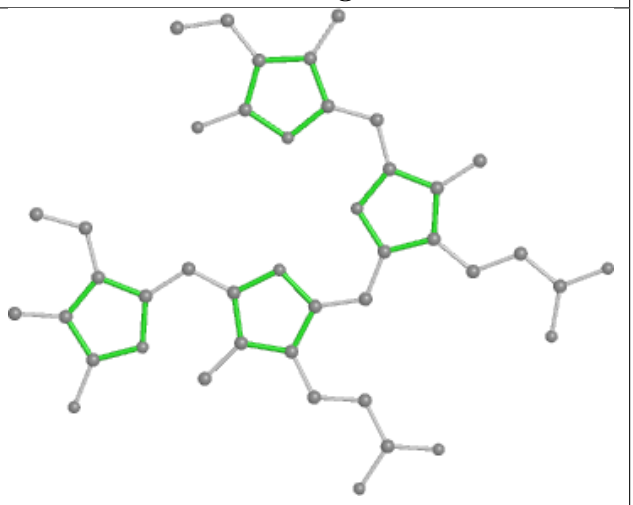

Rings

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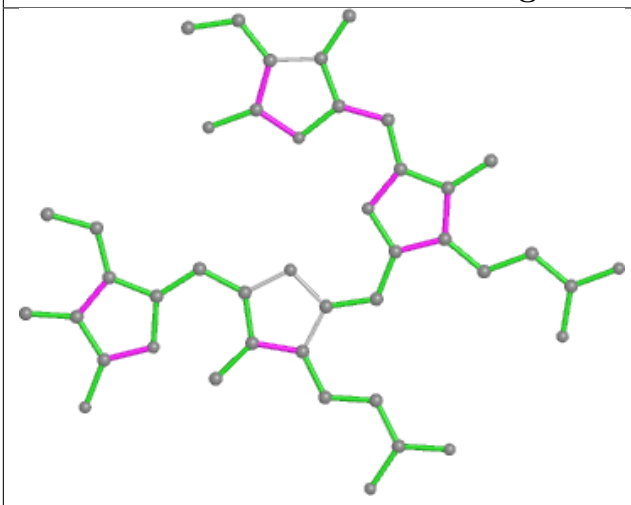

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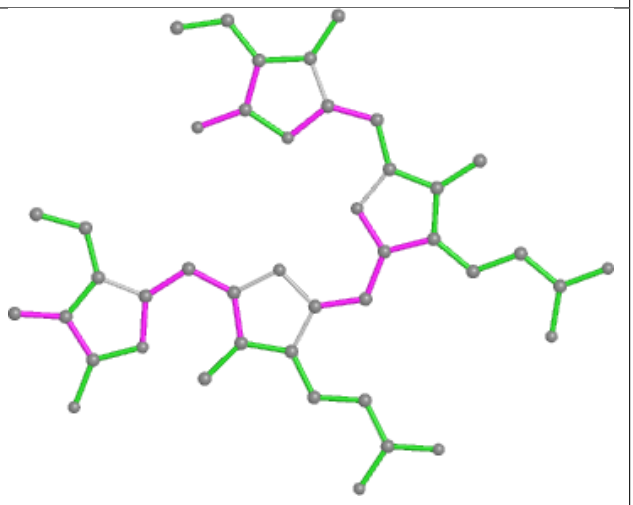

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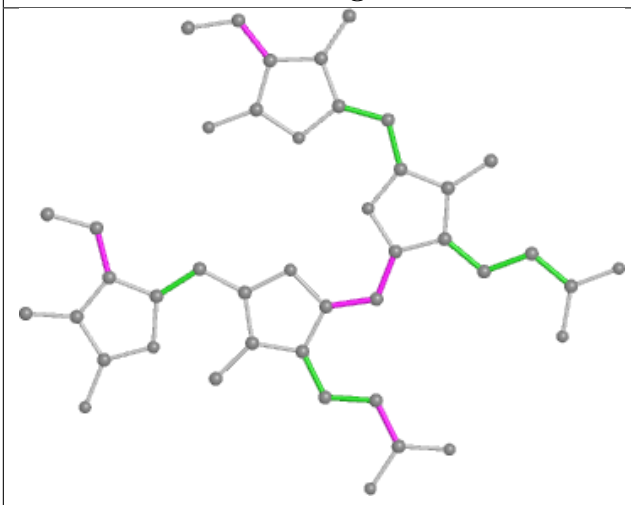

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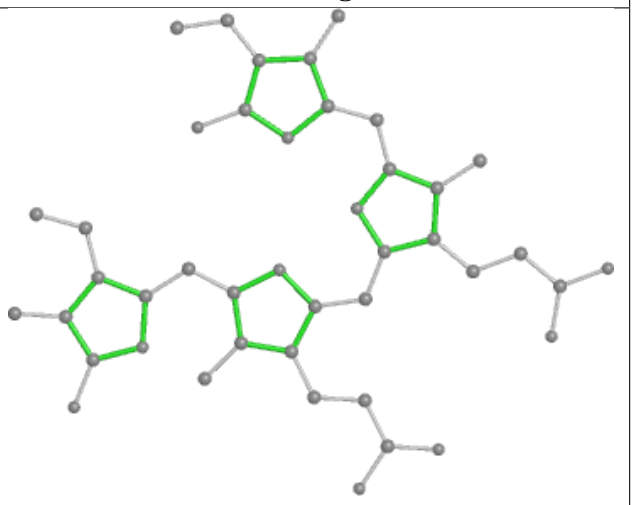

Rings

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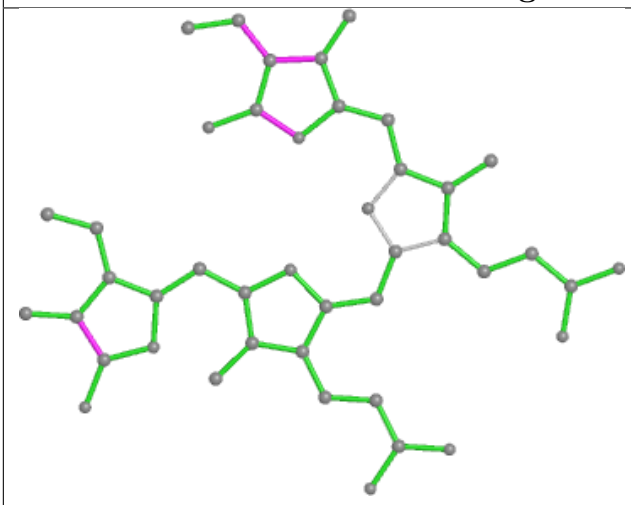

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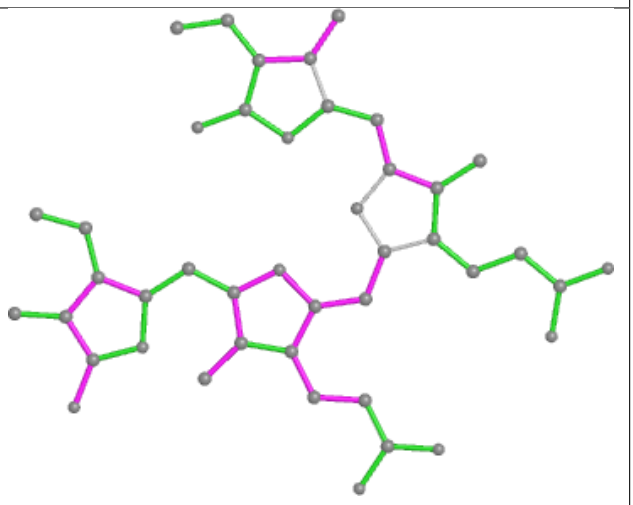

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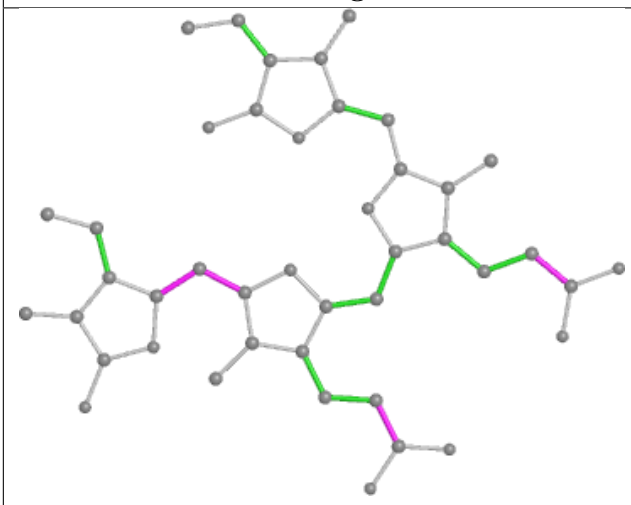

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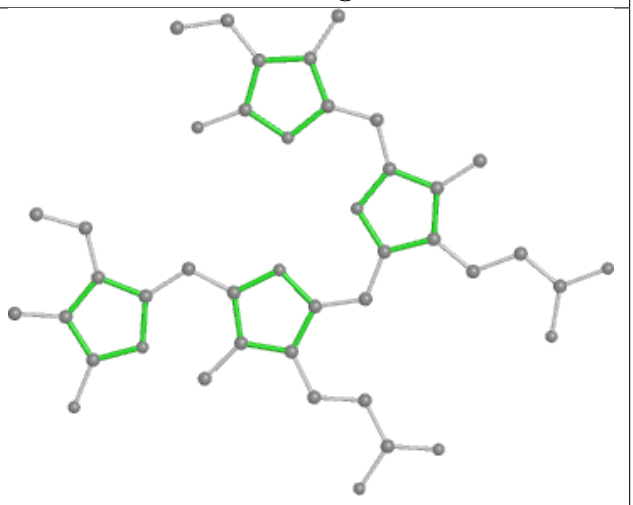

Rings

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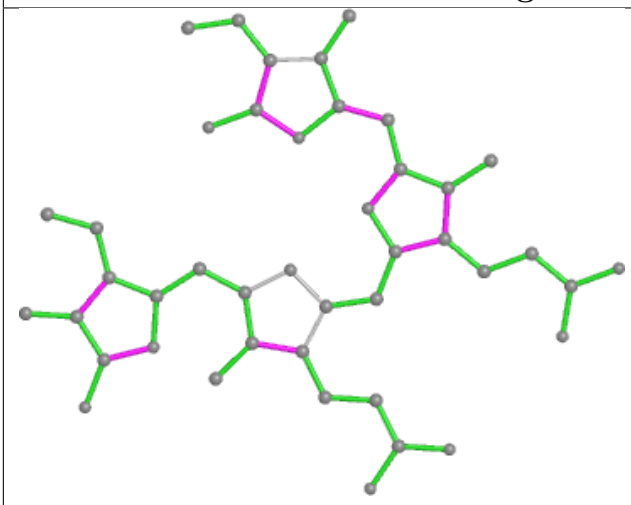

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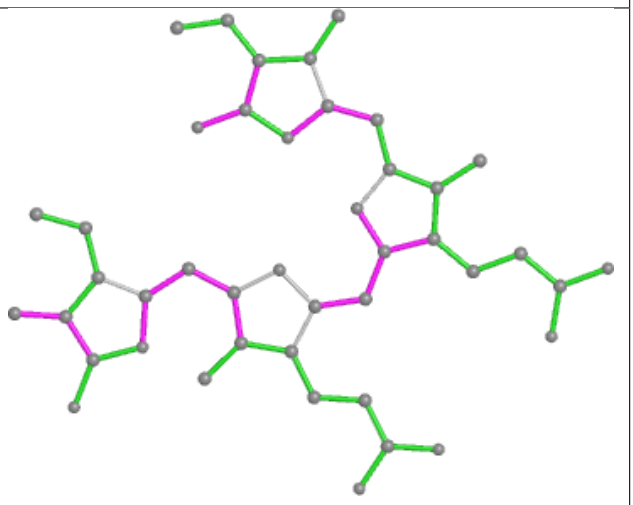

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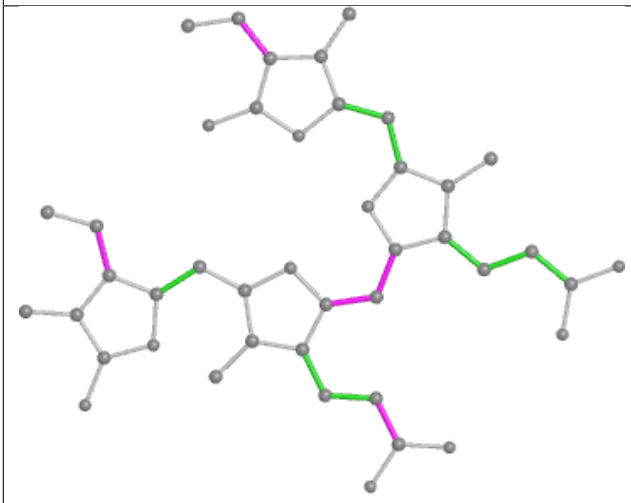

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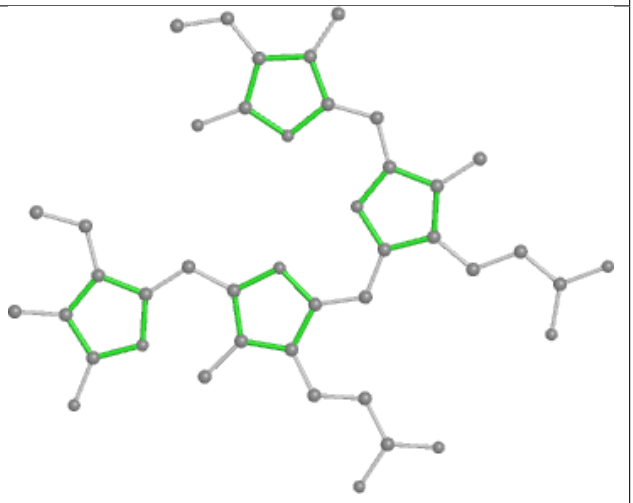

Rings

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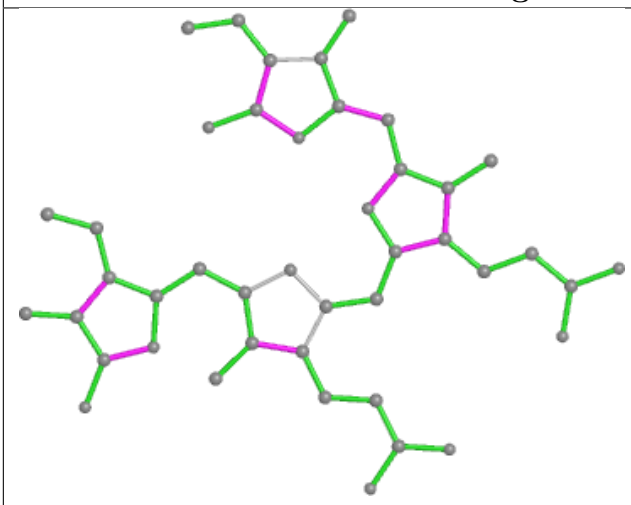

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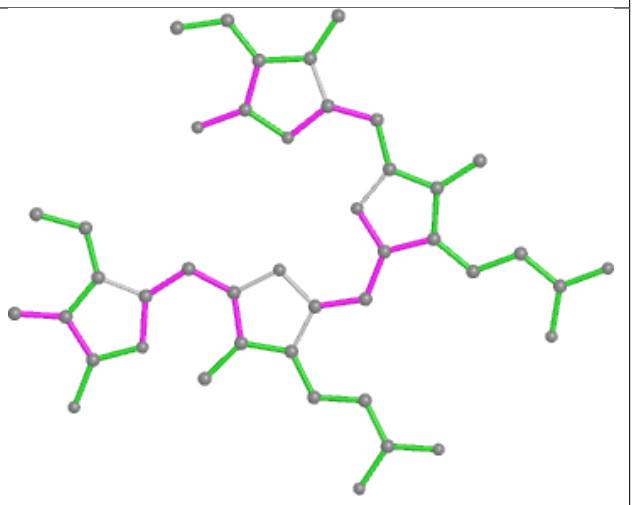

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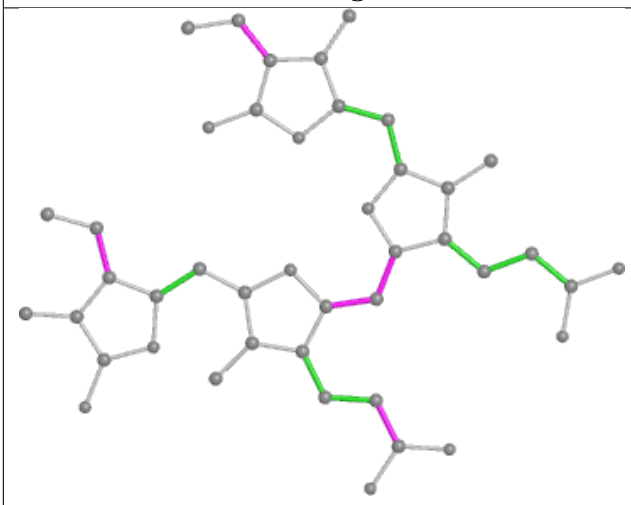

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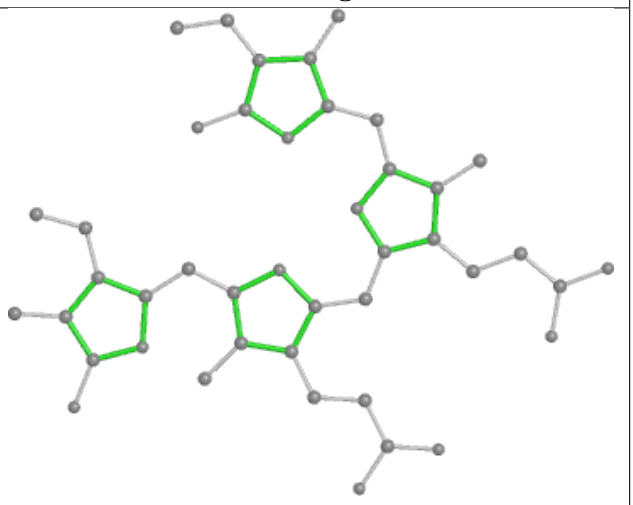
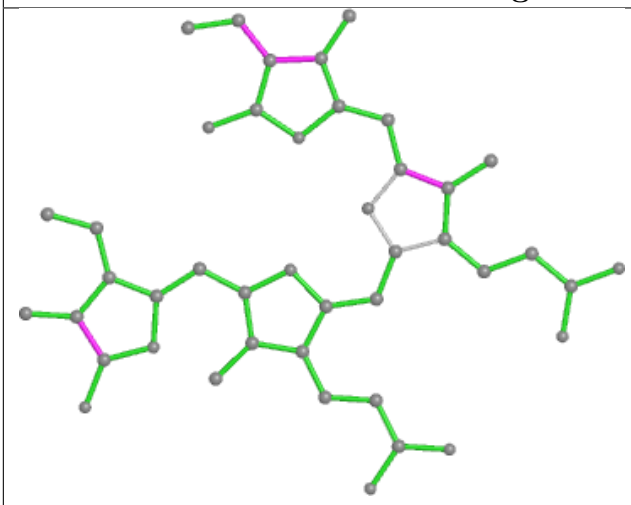


Rings

Ligand PEB e3 1002



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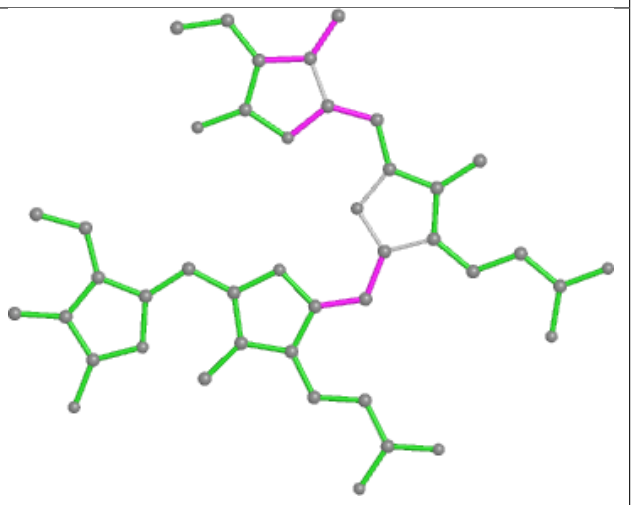

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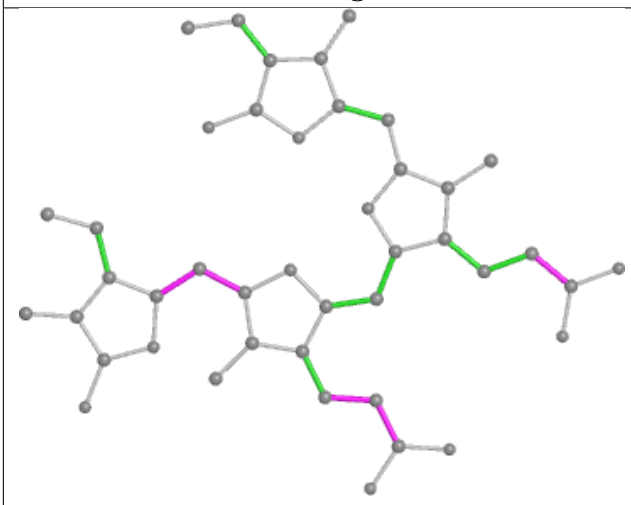

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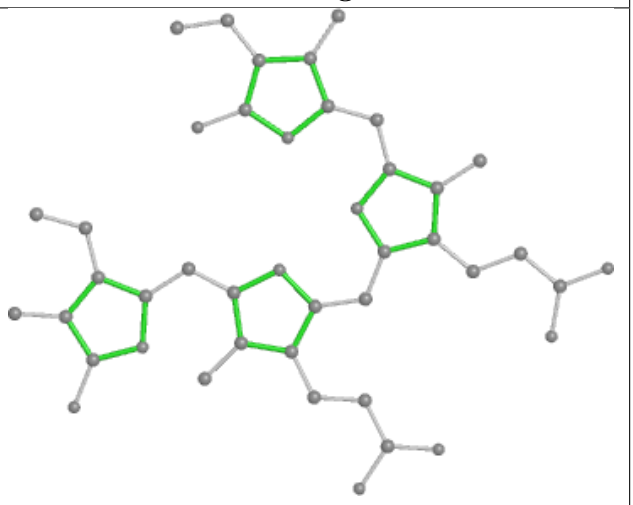
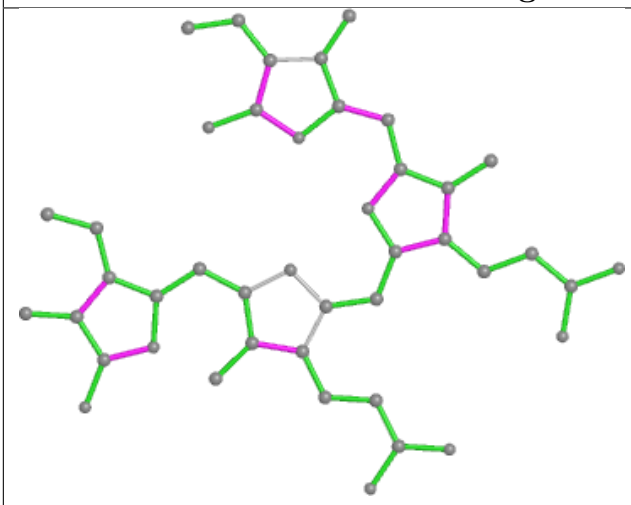


Rings

Ligand PUB e8 305



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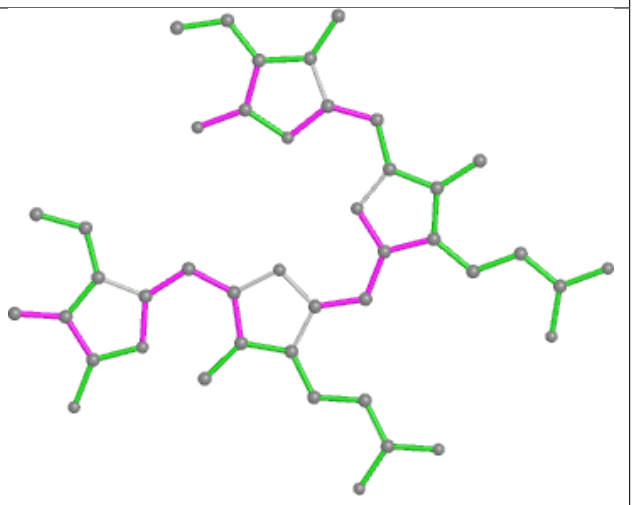

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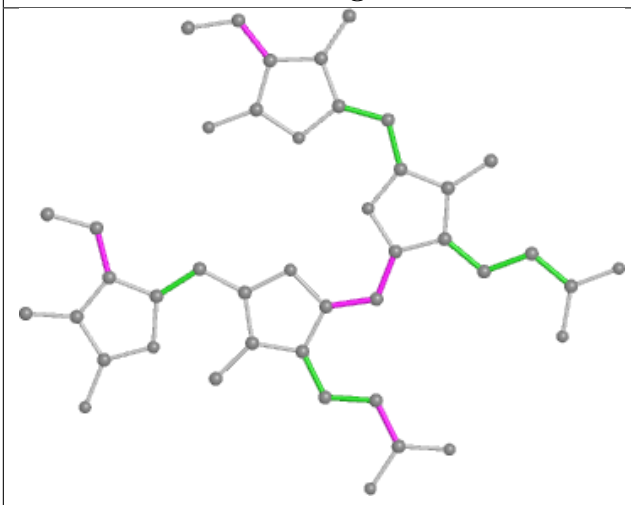

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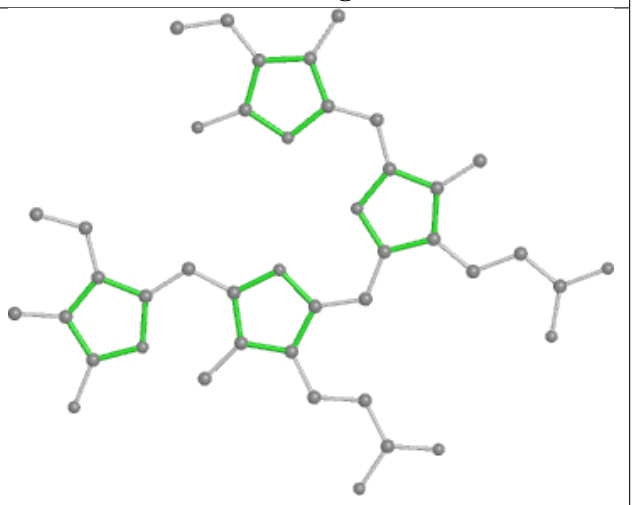
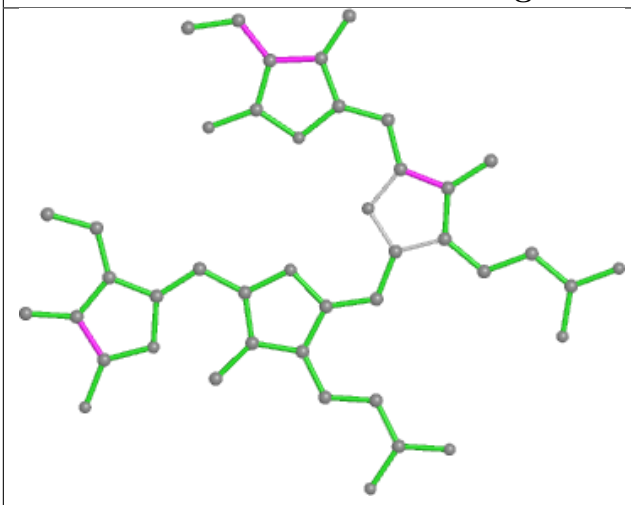


Rings

Ligand PEB H6 201



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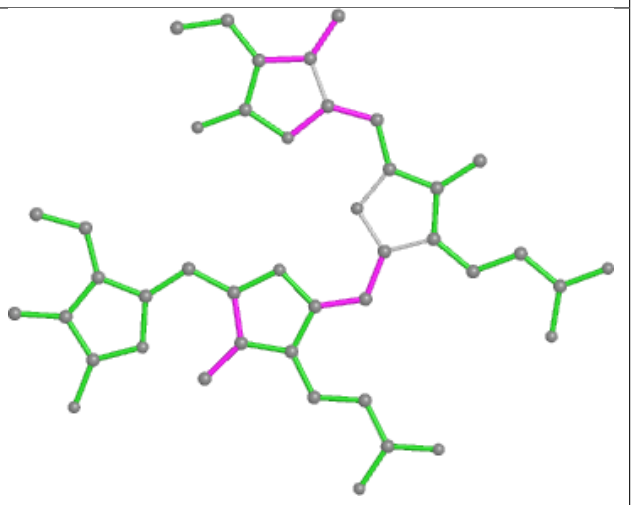
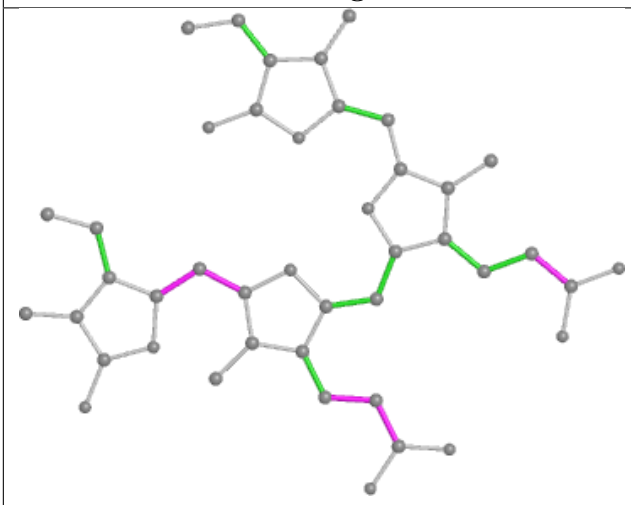


Bond angles



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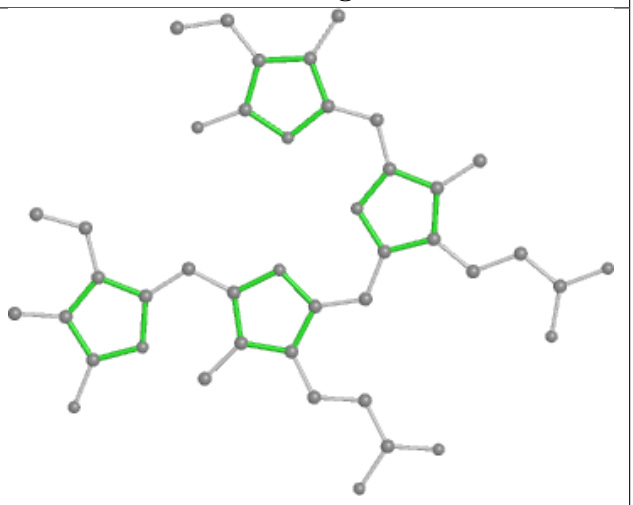
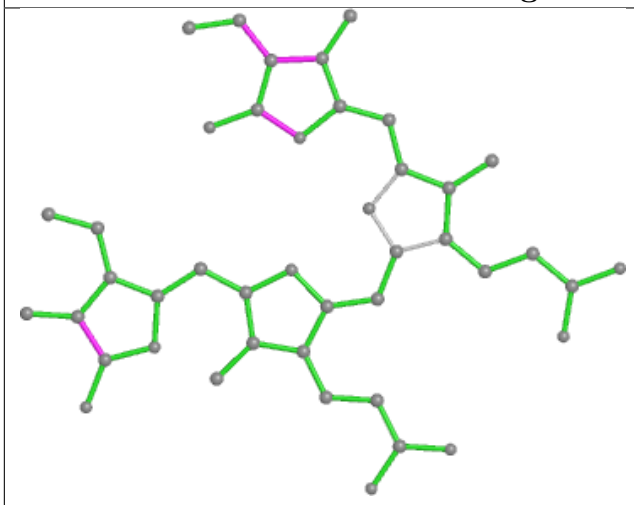


Rings

Ligand PEB J4 201



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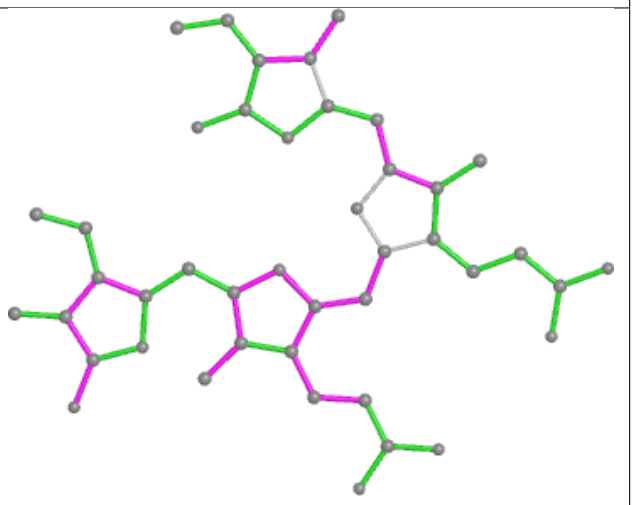

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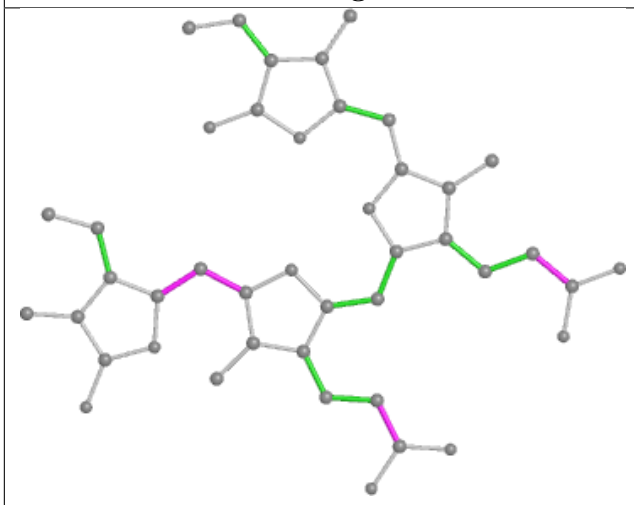
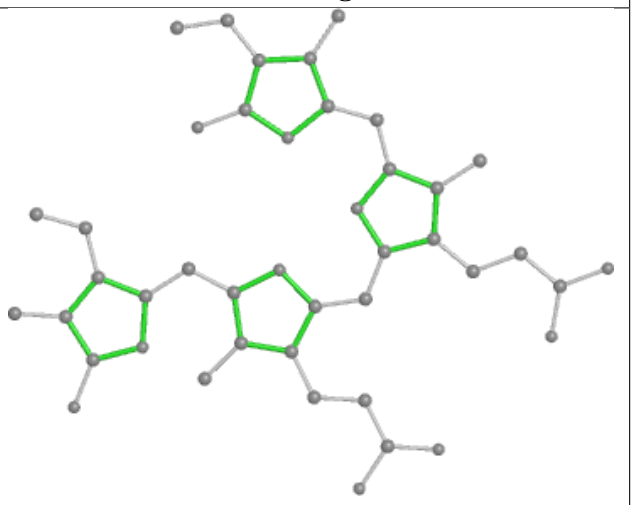
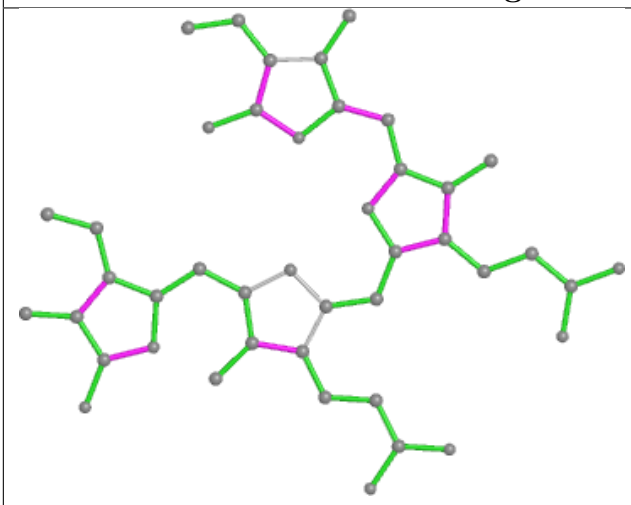


Torsions



Rings

Ligand PUB Y5 1005



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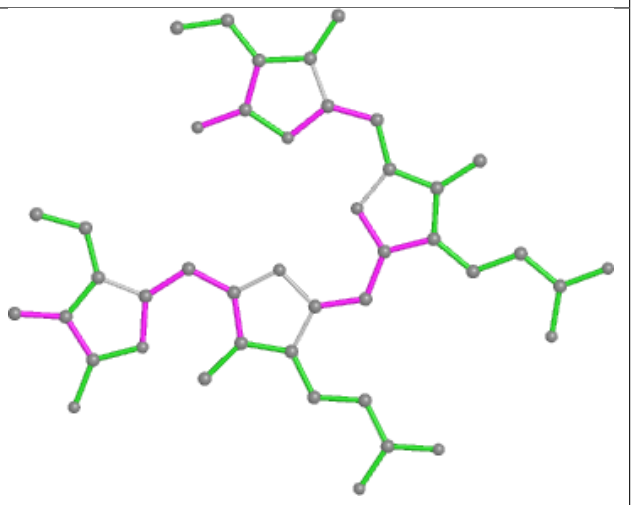

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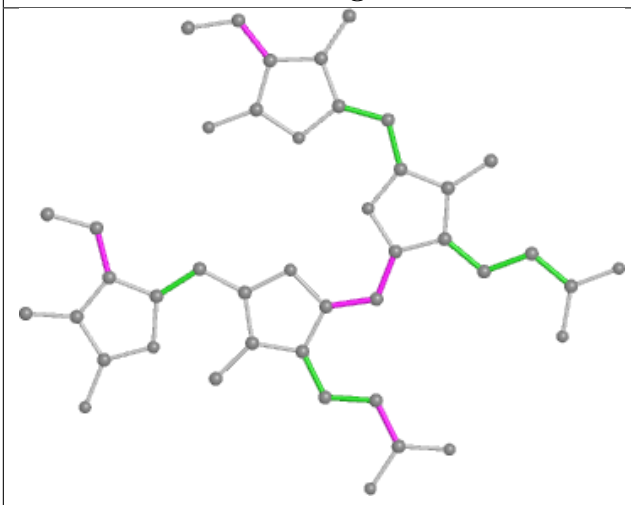

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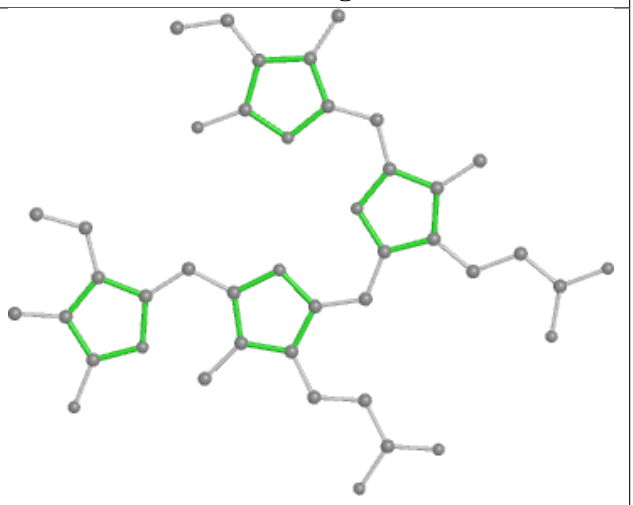
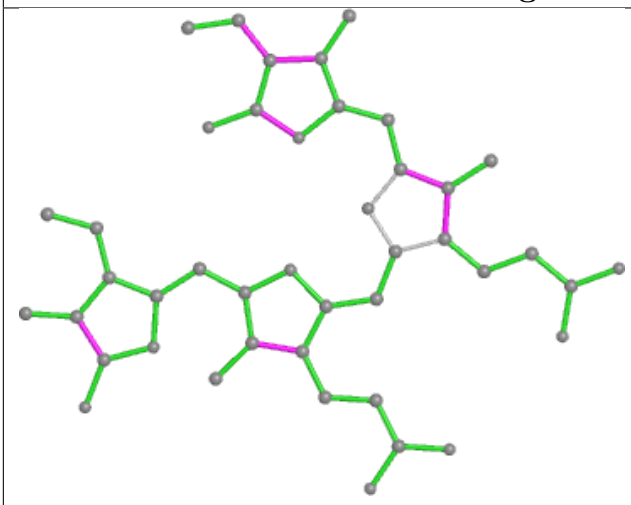


Rings

Ligand PEB an 201



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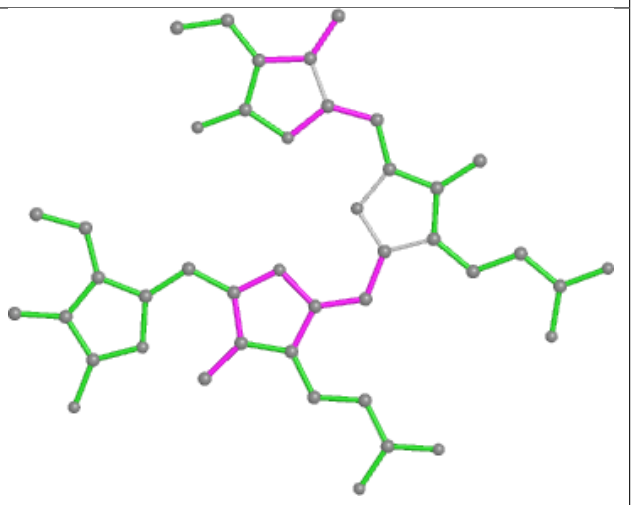

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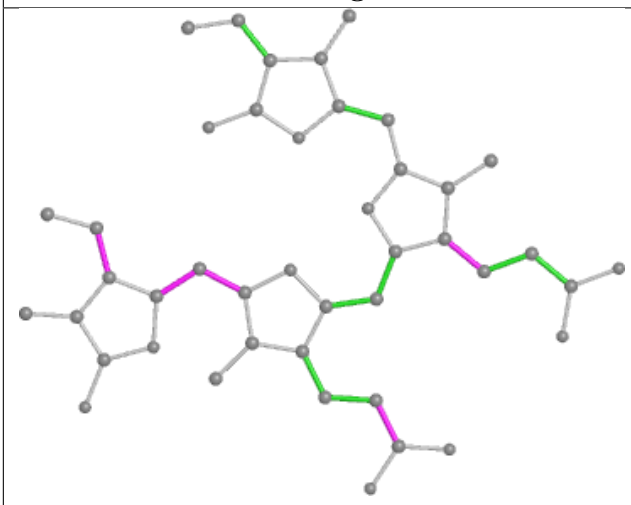

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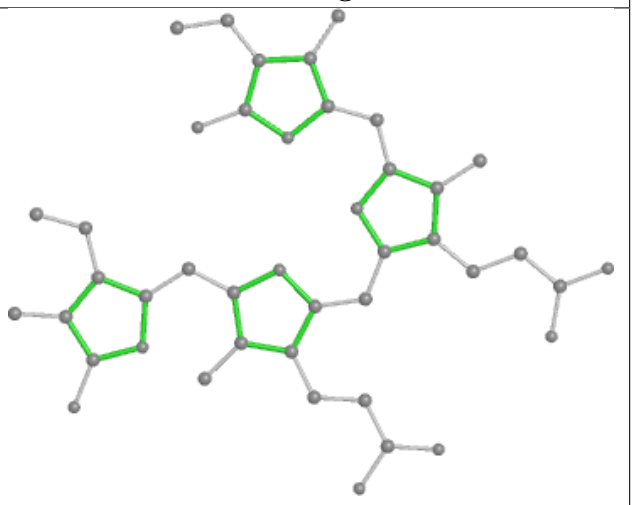

Rings

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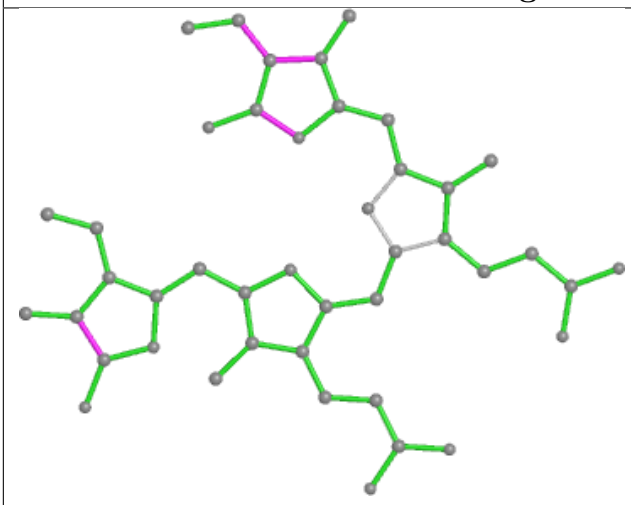

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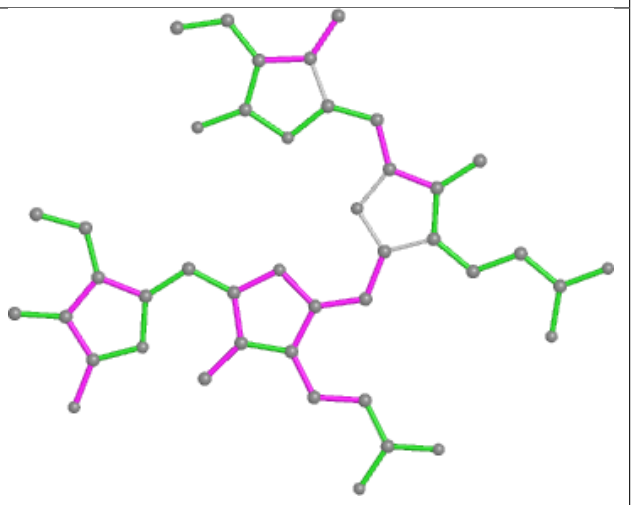

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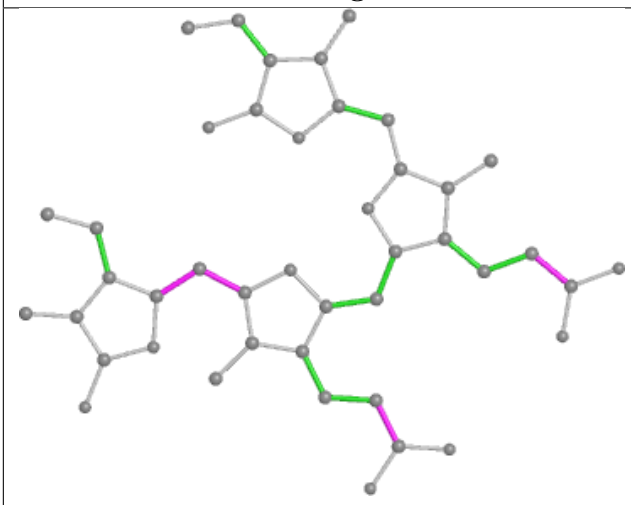

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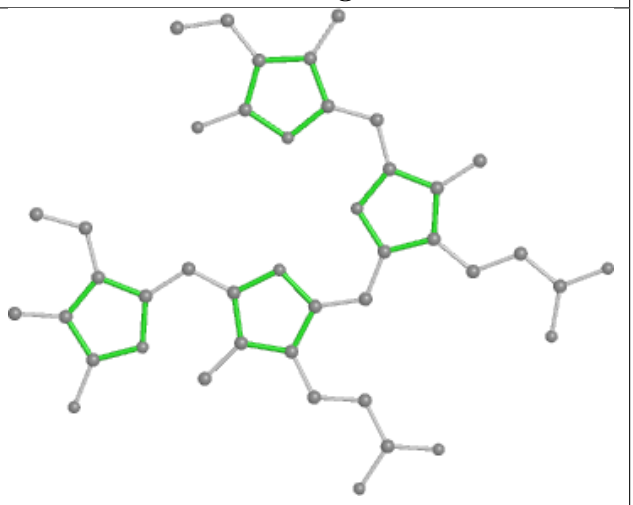

Rings

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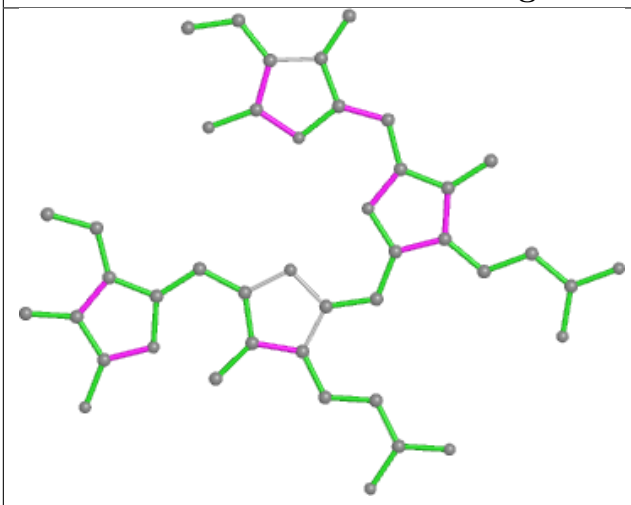

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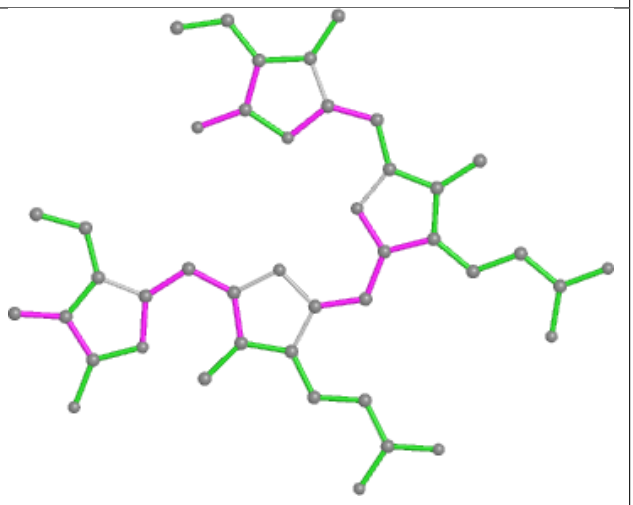

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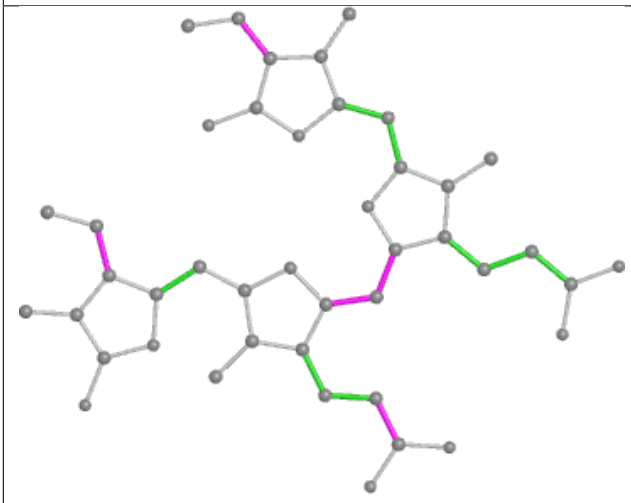

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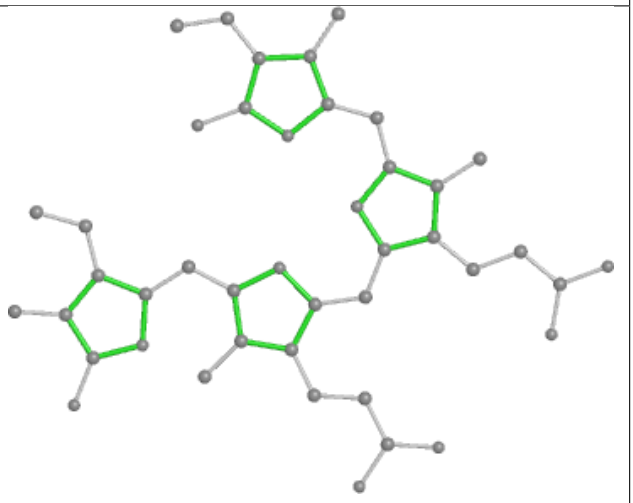

Rings

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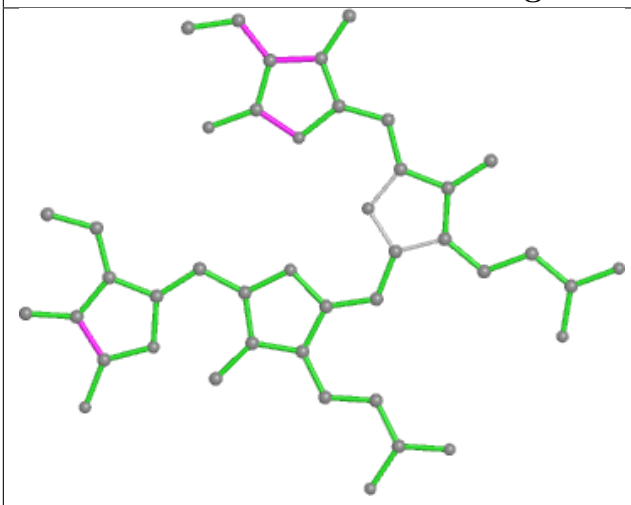

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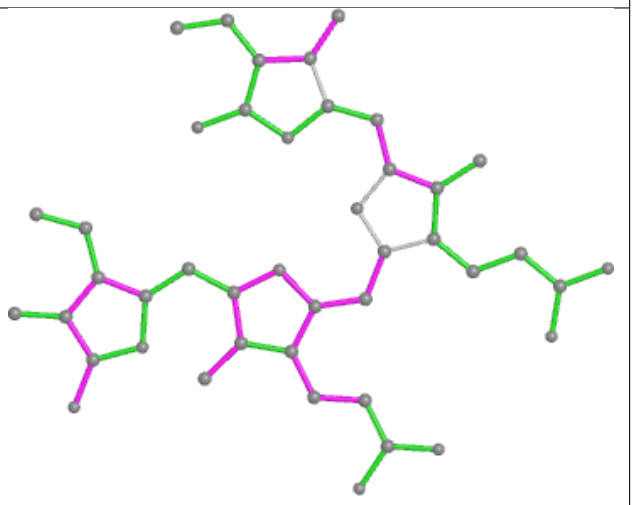

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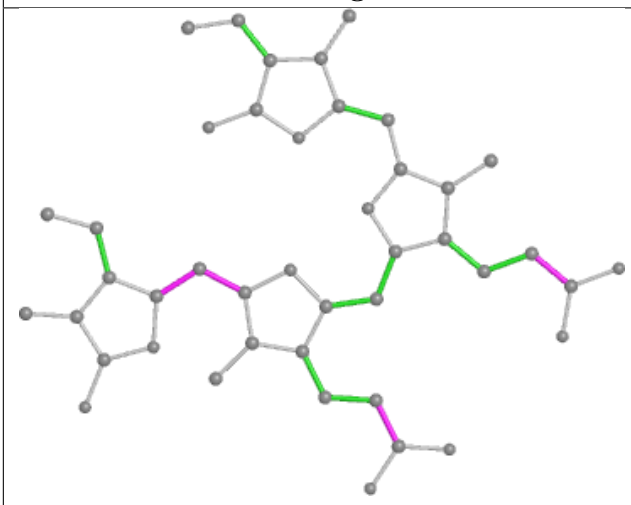

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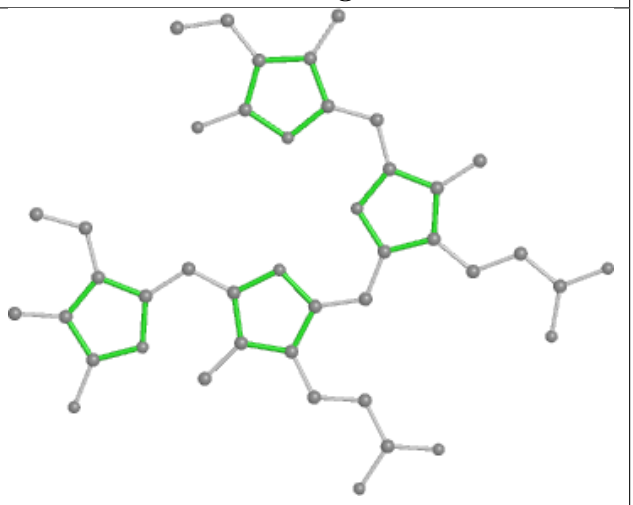

Rings

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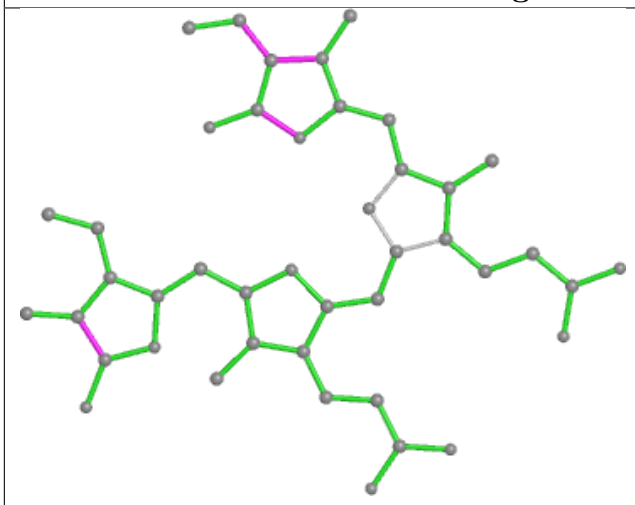

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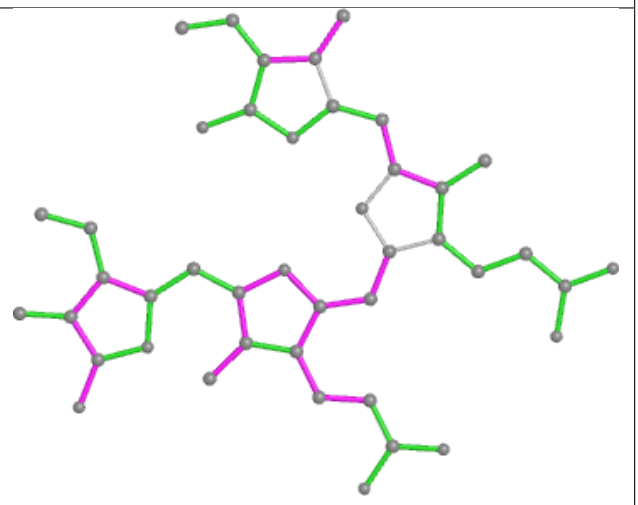

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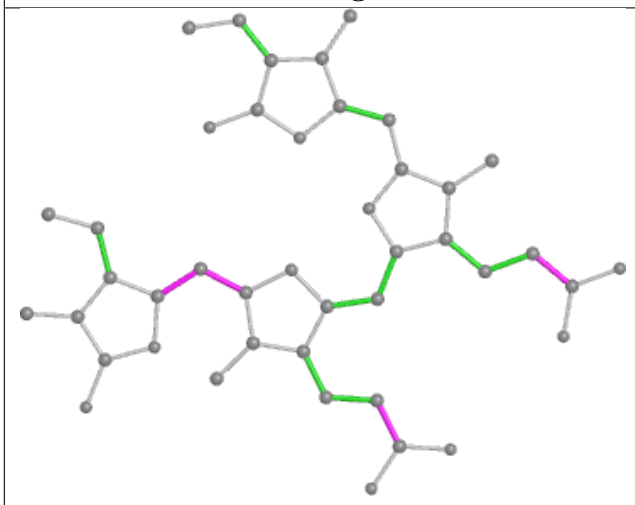

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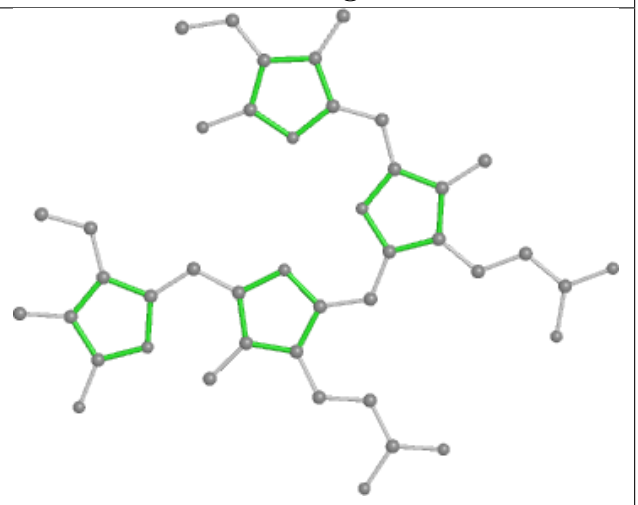

Rings

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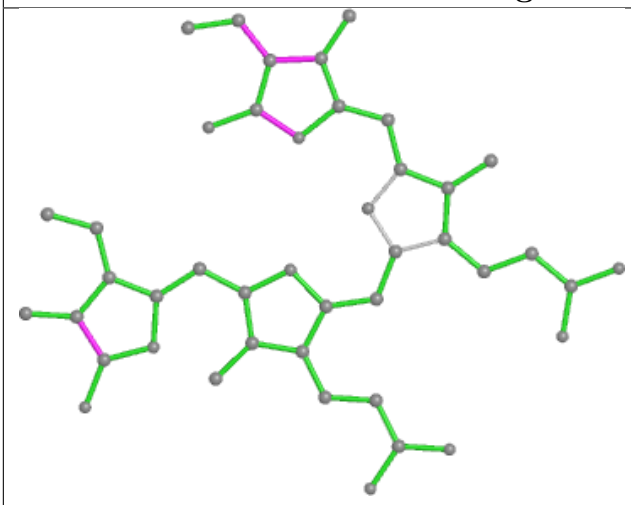

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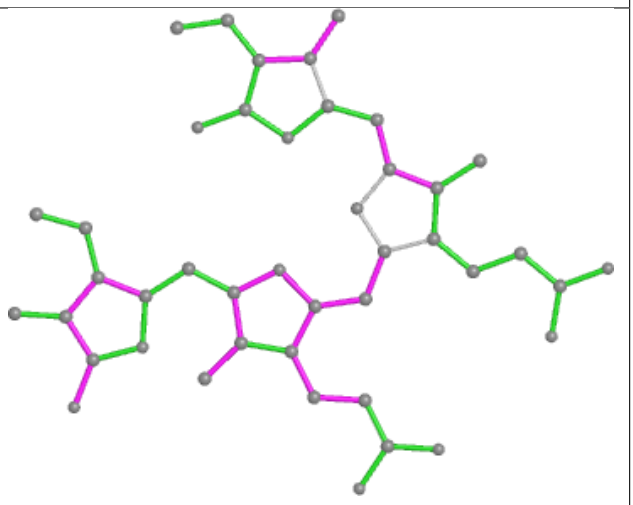

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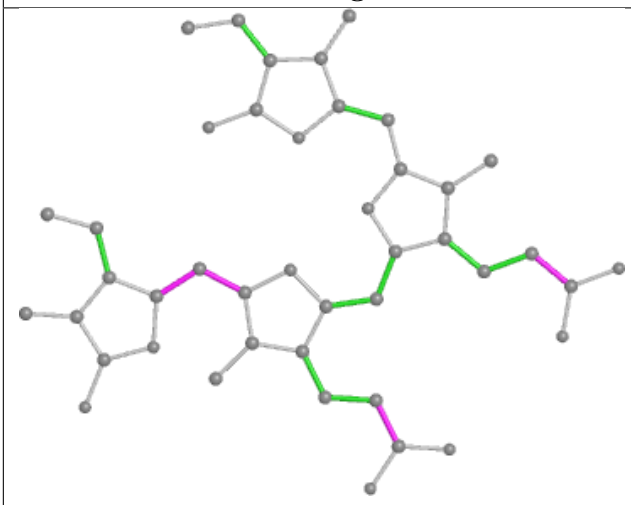

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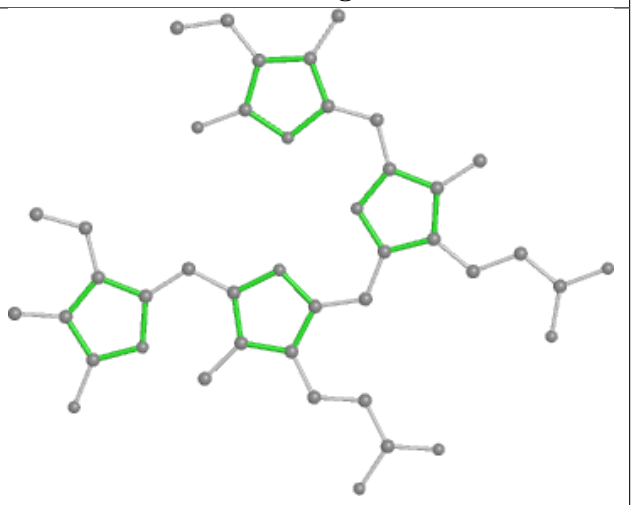

Rings

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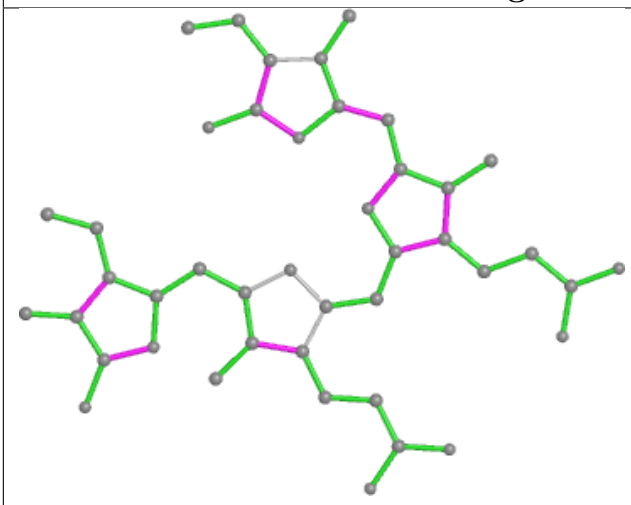

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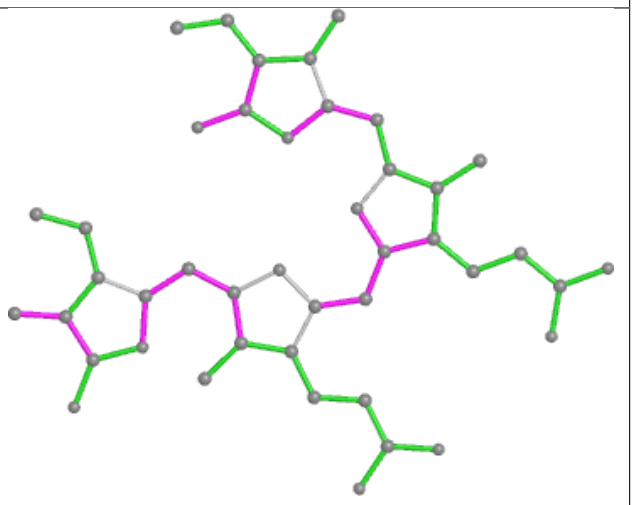

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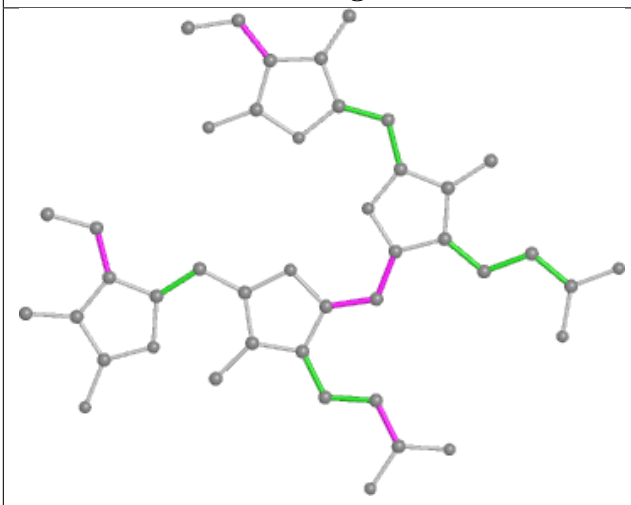

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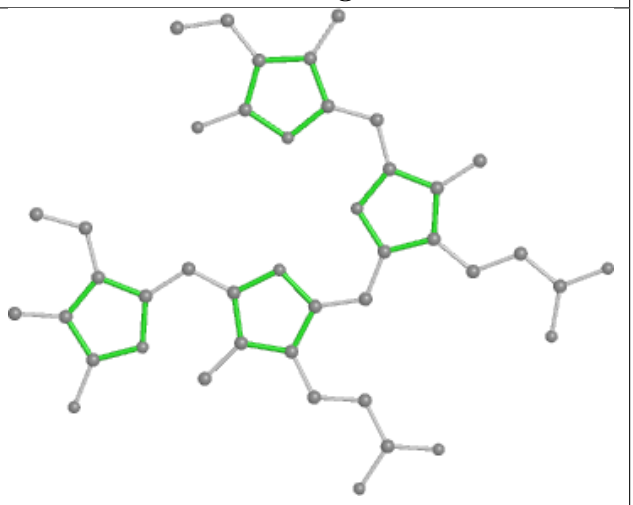

Rings

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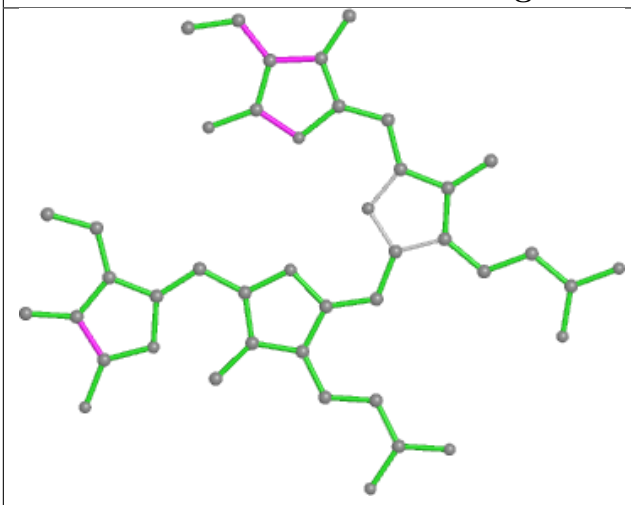

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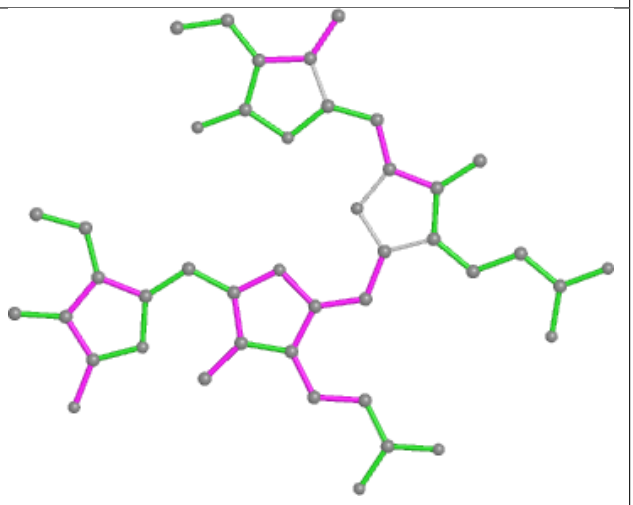

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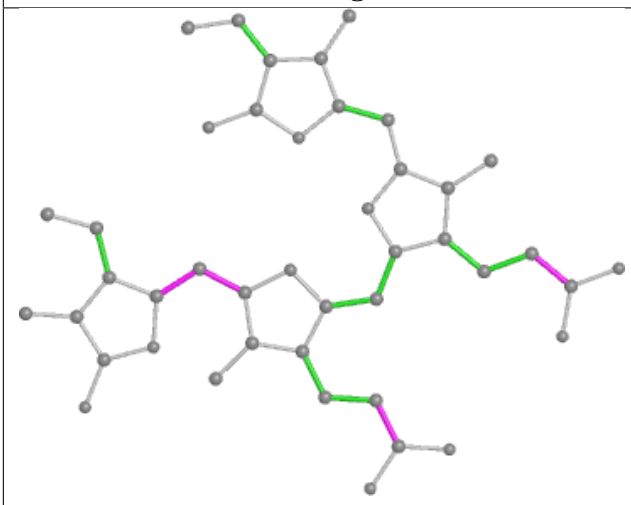

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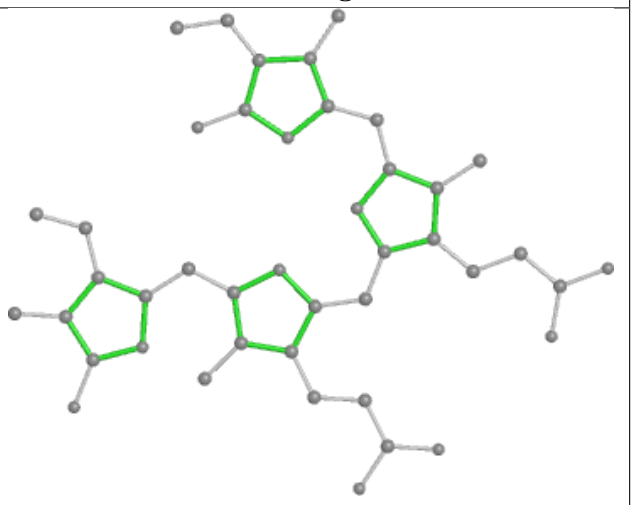

Rings

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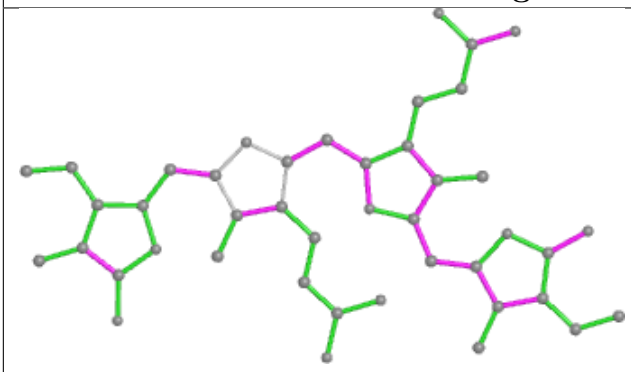

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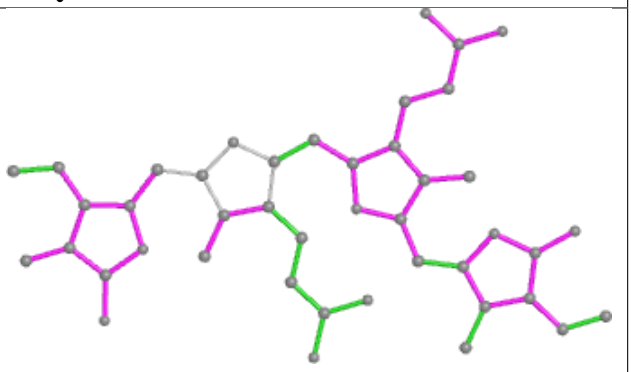

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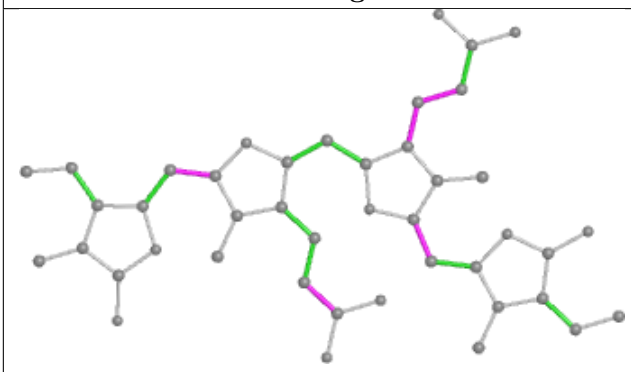

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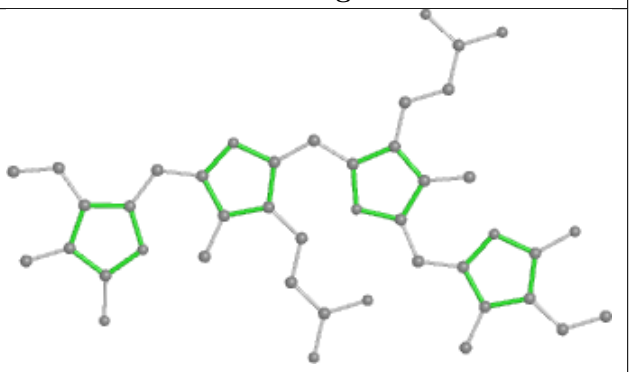
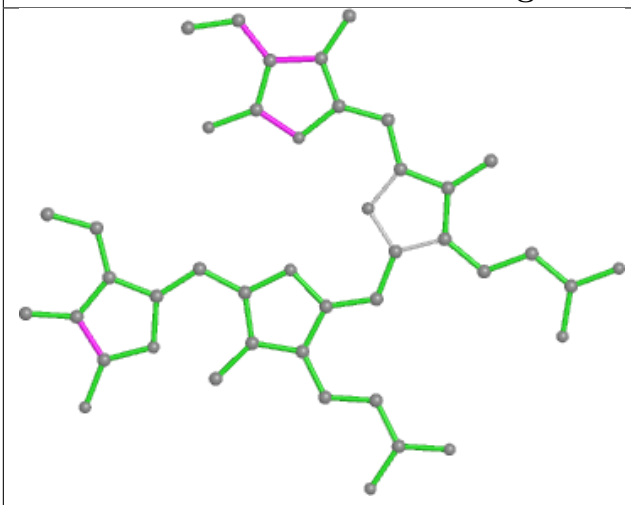


Rings

Ligand PEB E5 201



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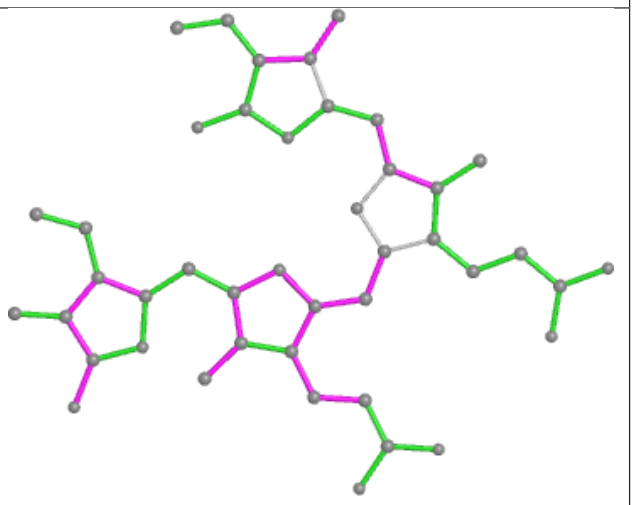

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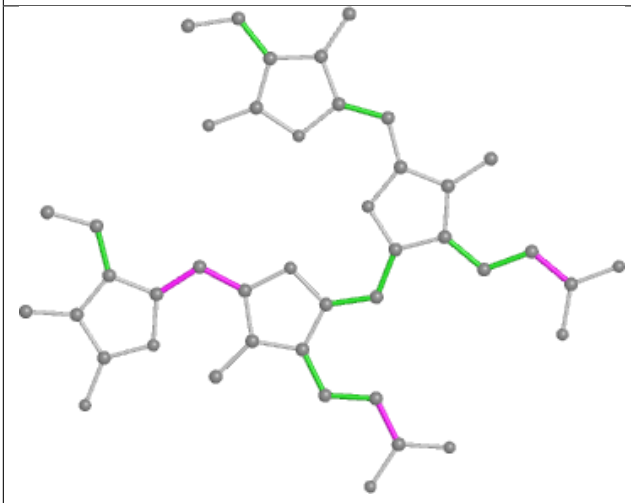

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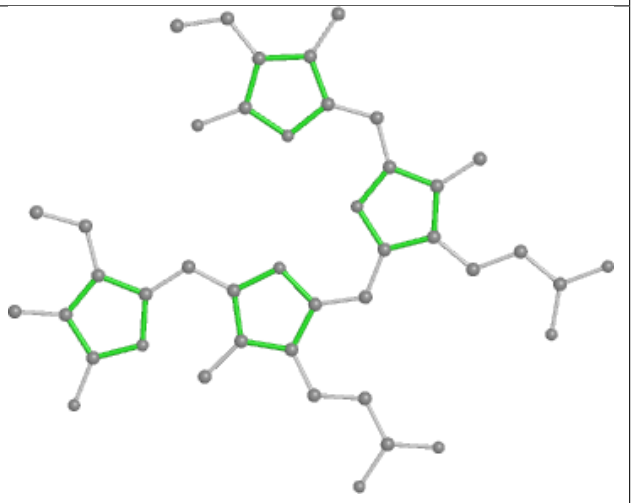
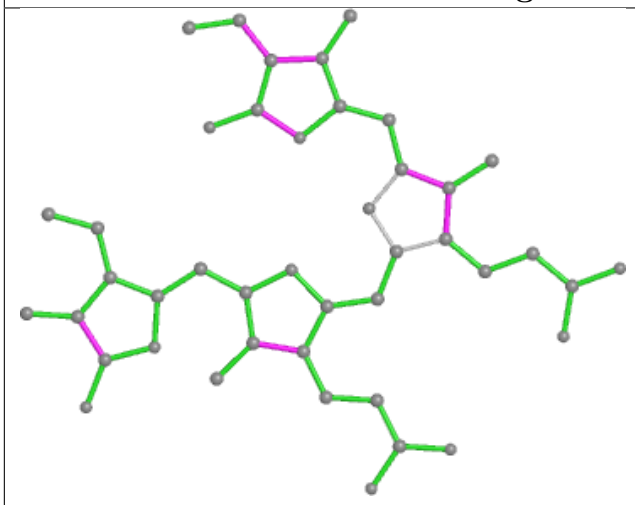


Rings

Ligand PEB D5 202



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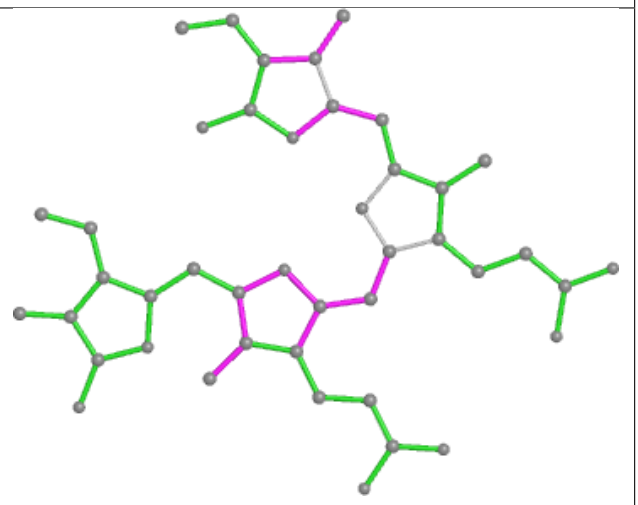

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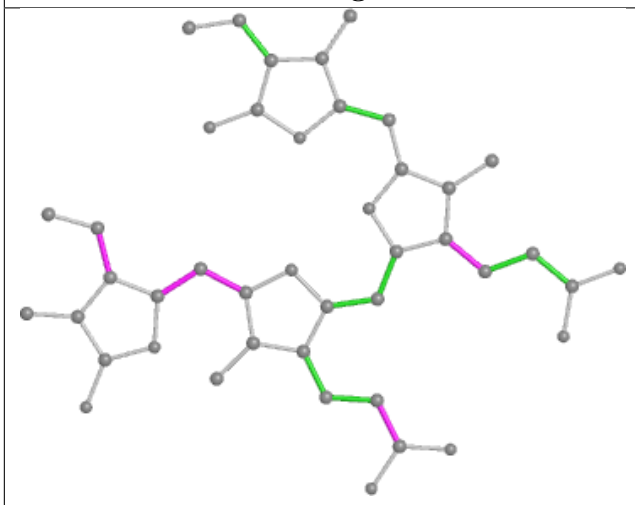

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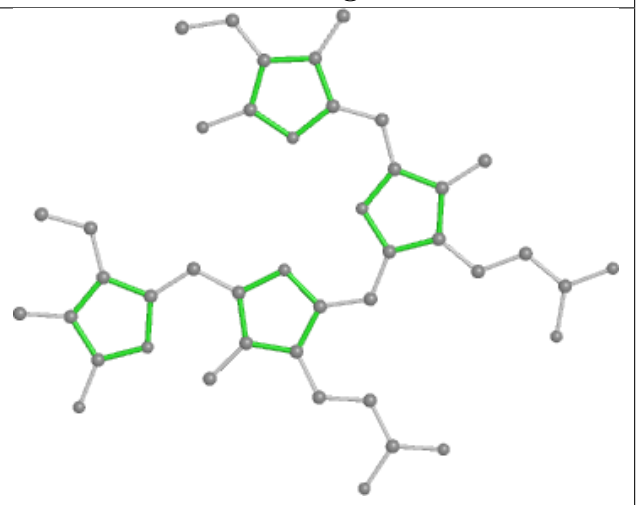
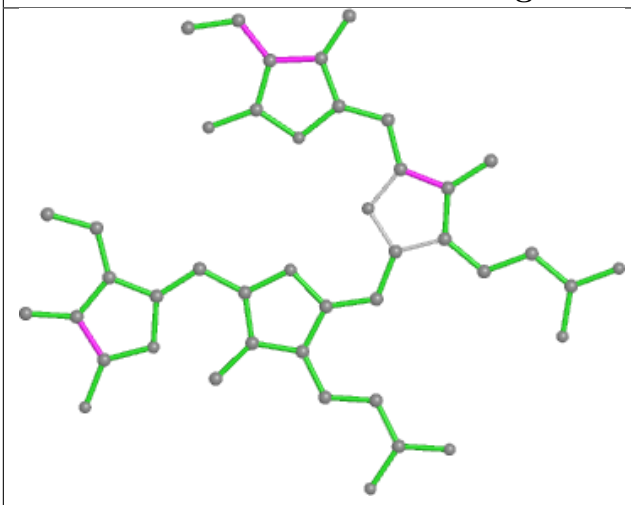


Rings

Ligand PEB A3 202



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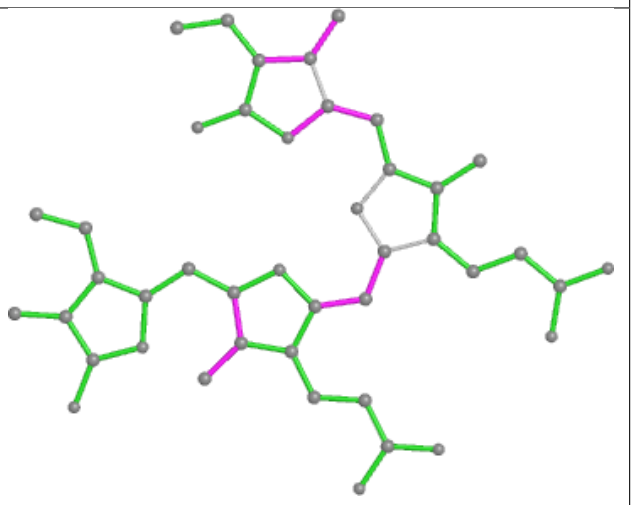
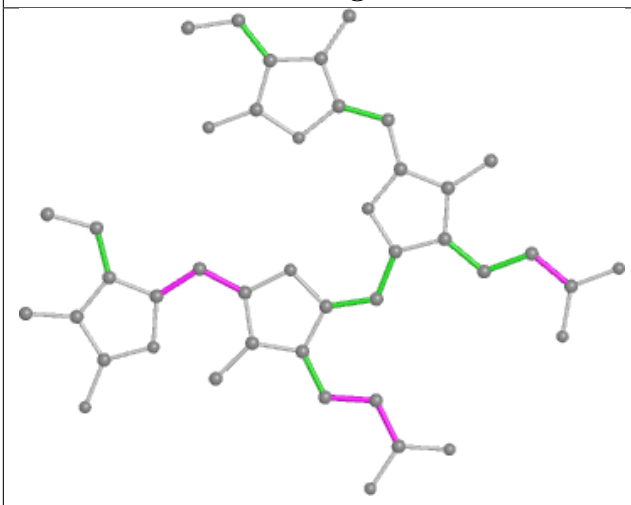
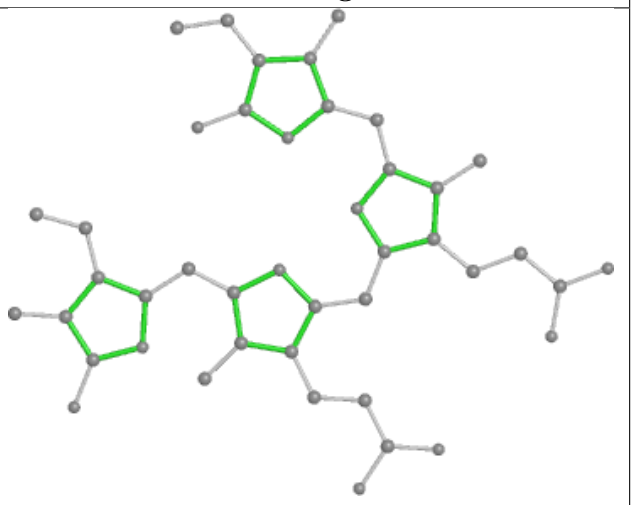


Bond angles

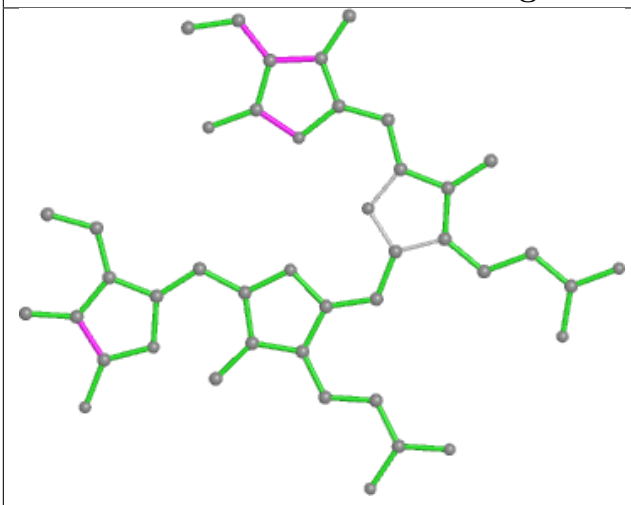


Torsions



Rings

Ligand PEB v8 201



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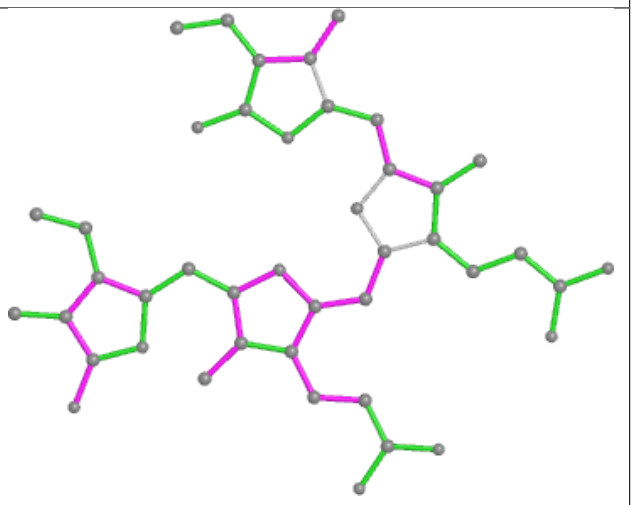

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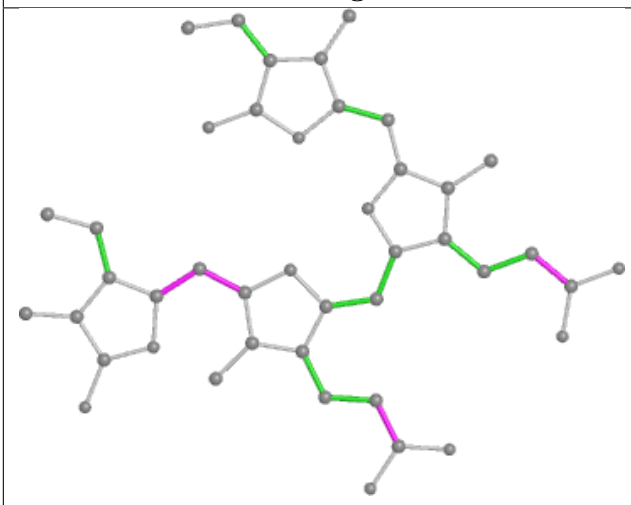

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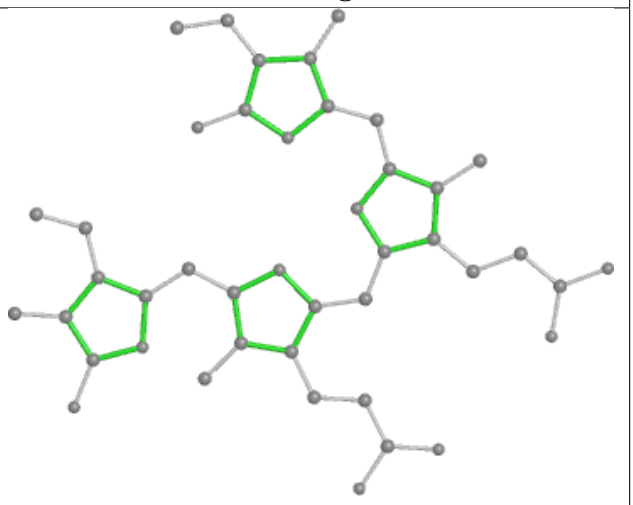
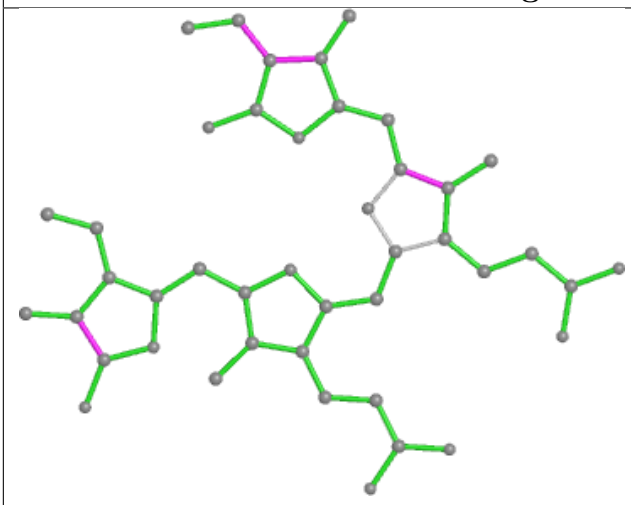


Rings

Ligand PEB t6 201



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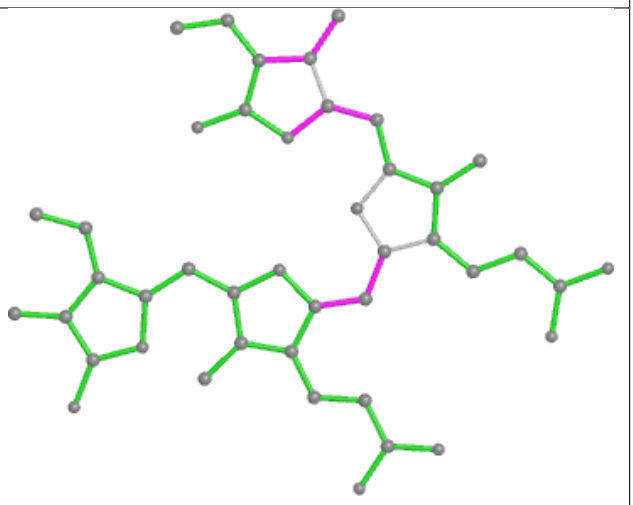

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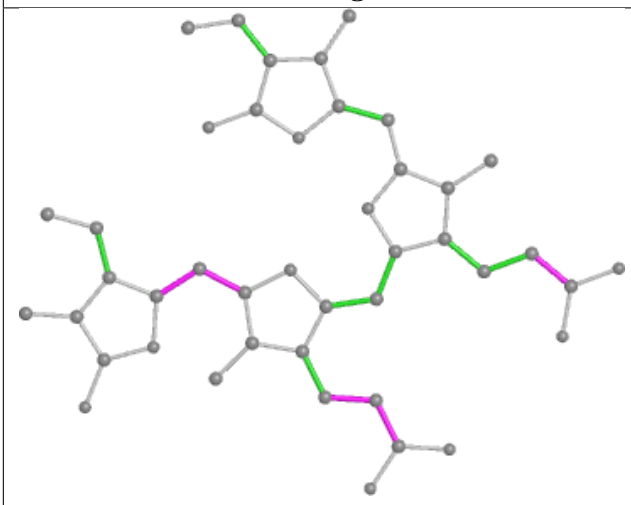

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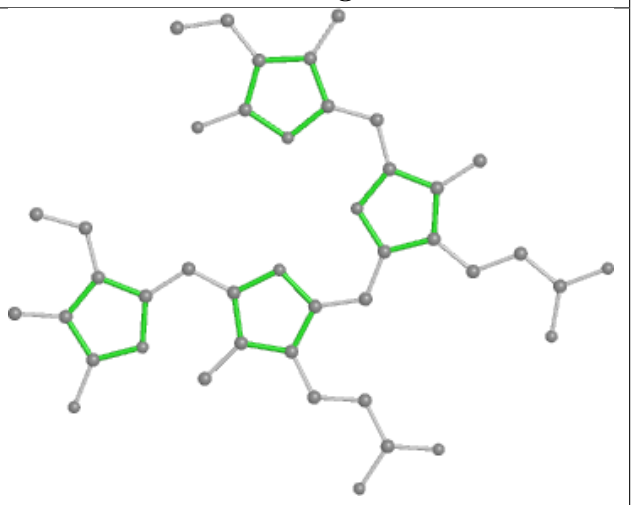
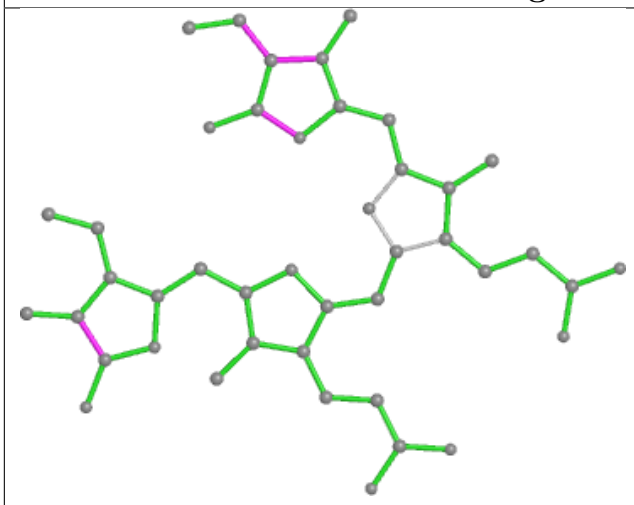


Rings

Ligand PEB li 201



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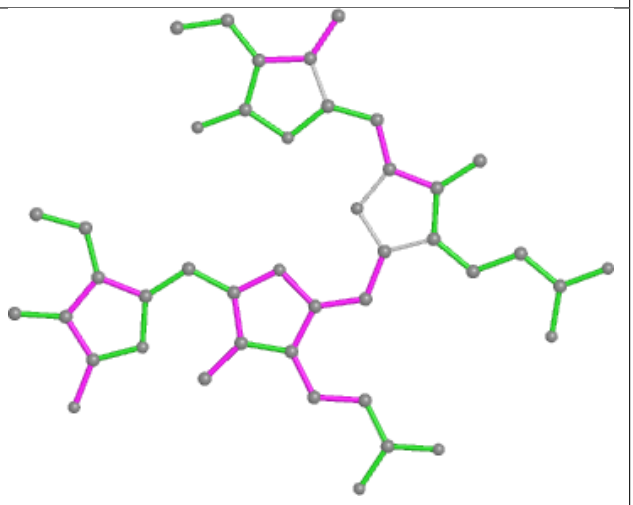
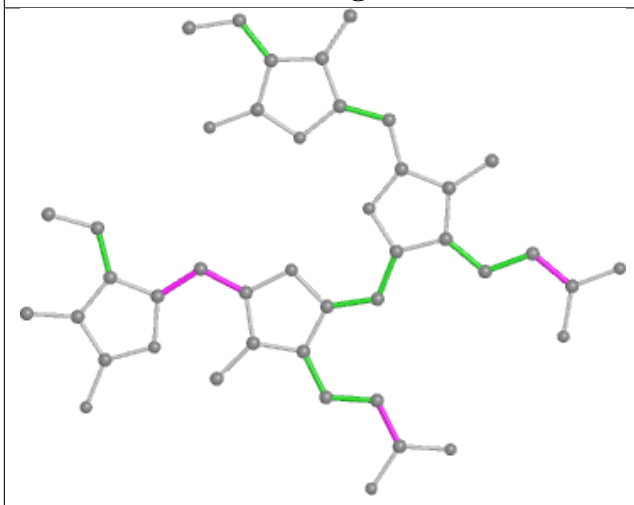


Bond angles



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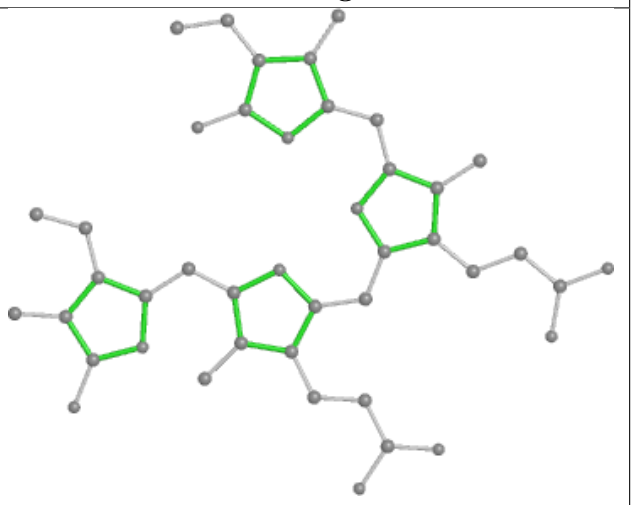
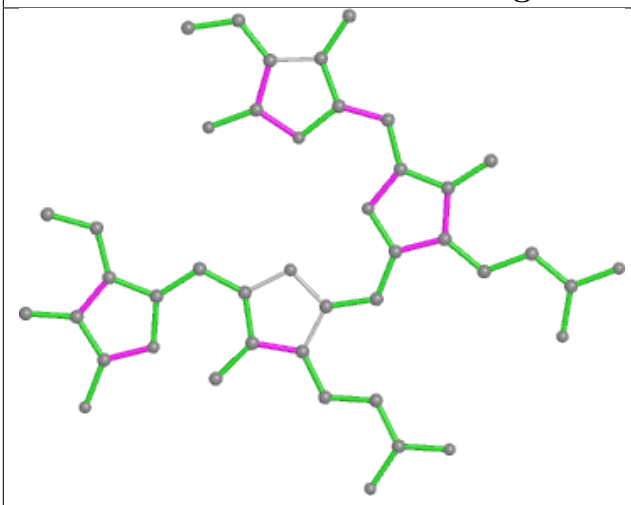


Rings

Ligand PUB aY 405



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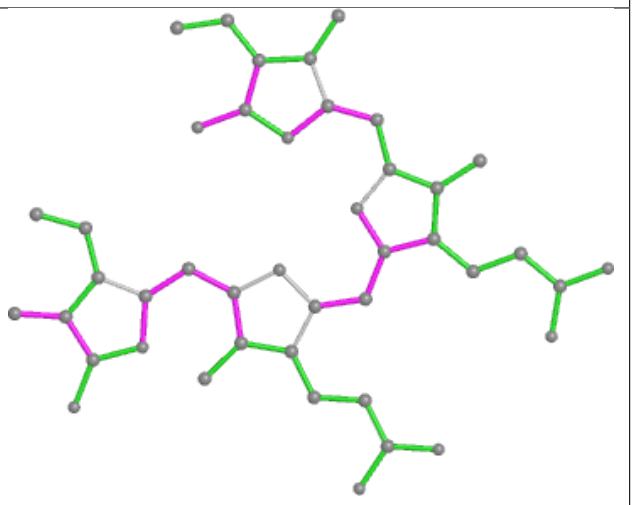

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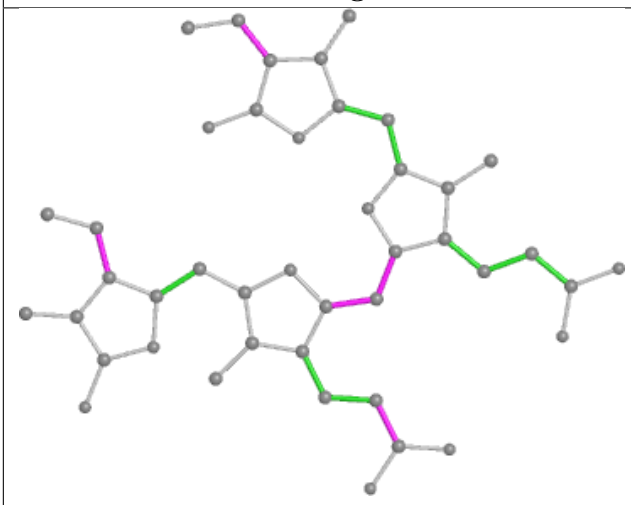

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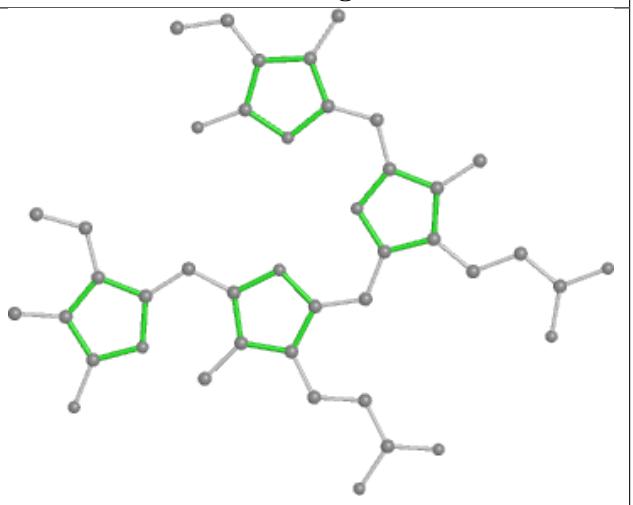
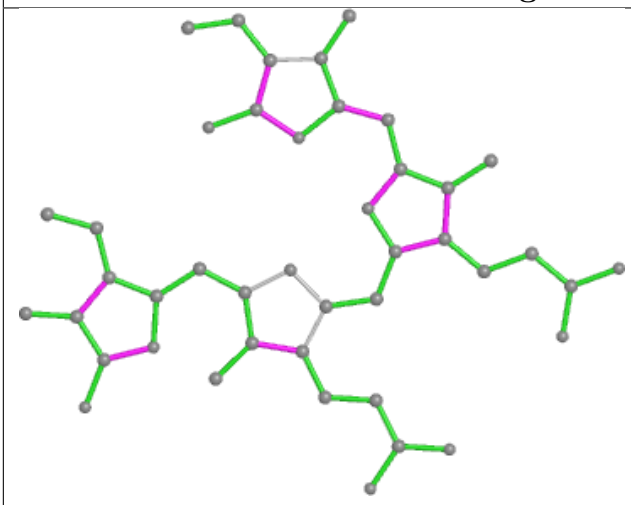


Rings

Ligand PUB r5 203



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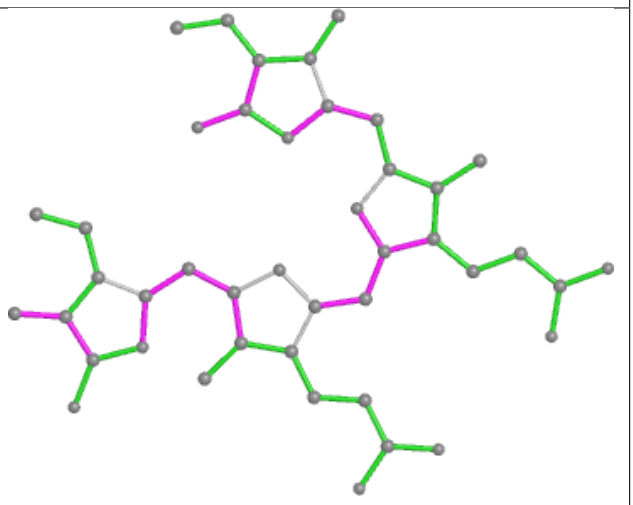

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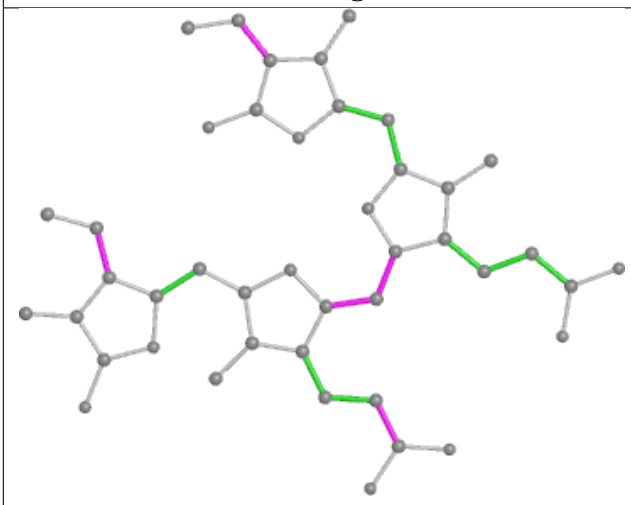

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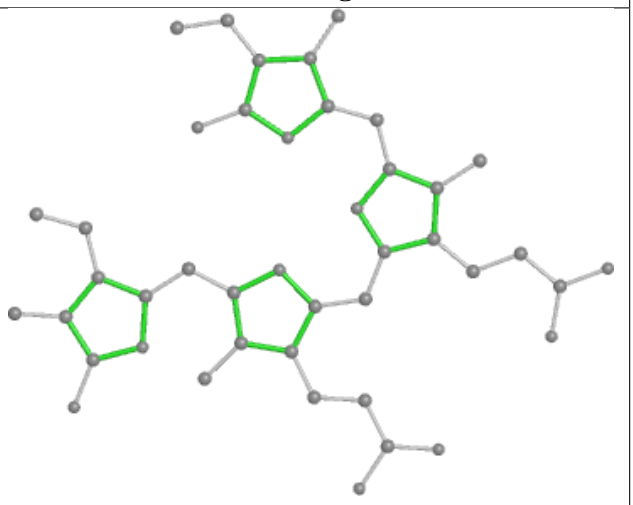
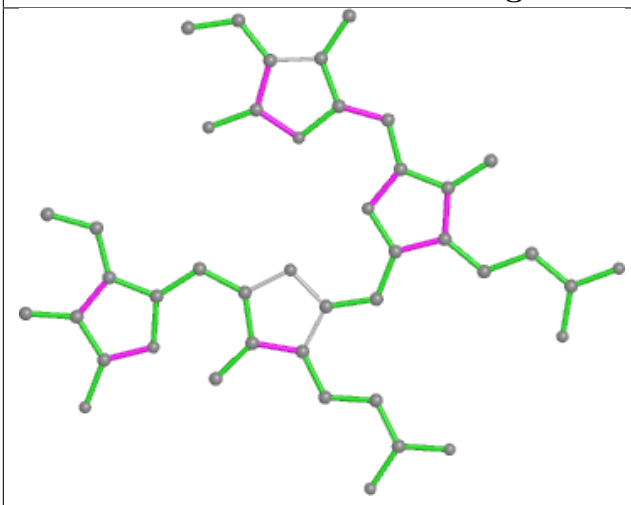


Rings

Ligand PUB kV 1003



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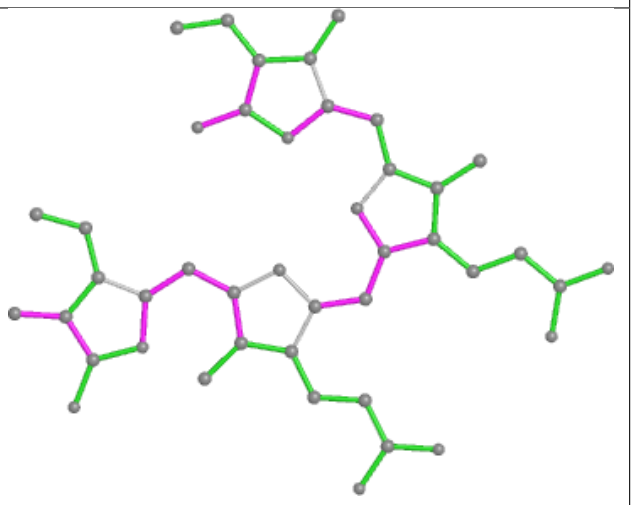

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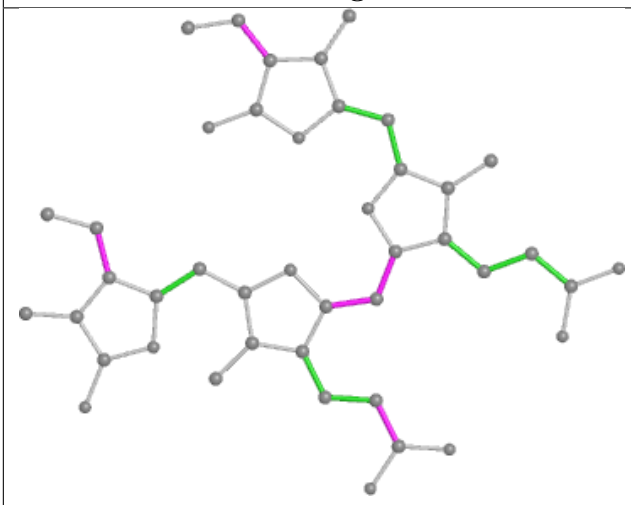

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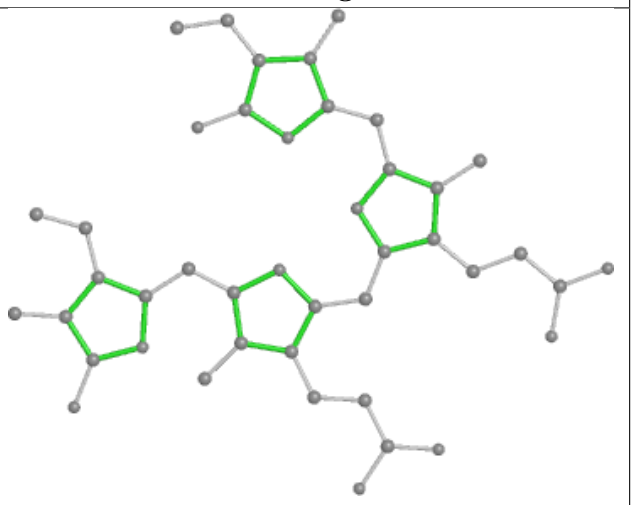
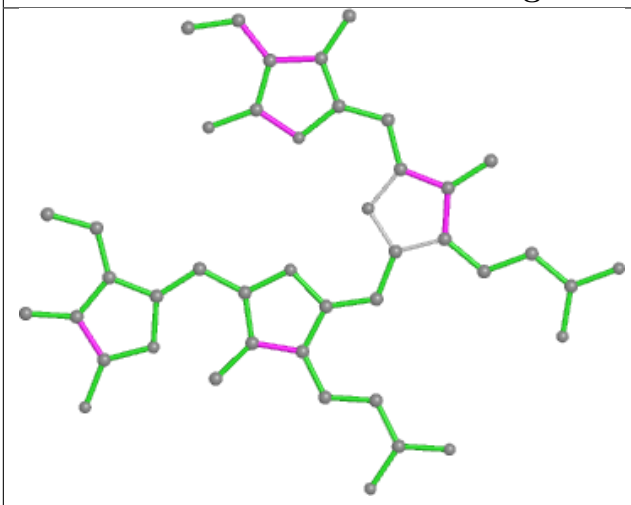


Rings

Ligand PEB j4 202



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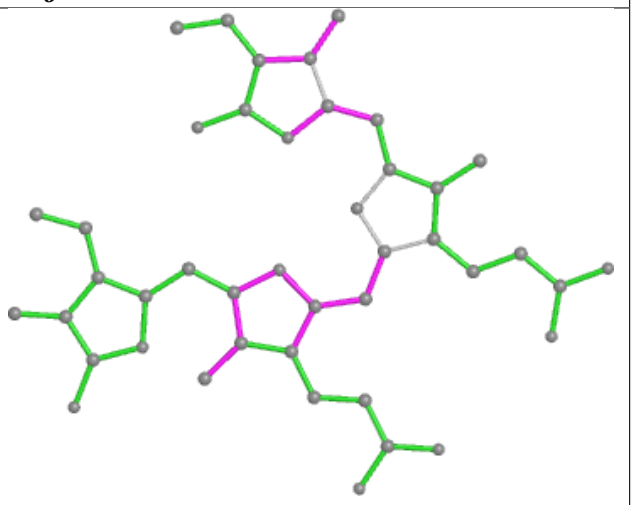

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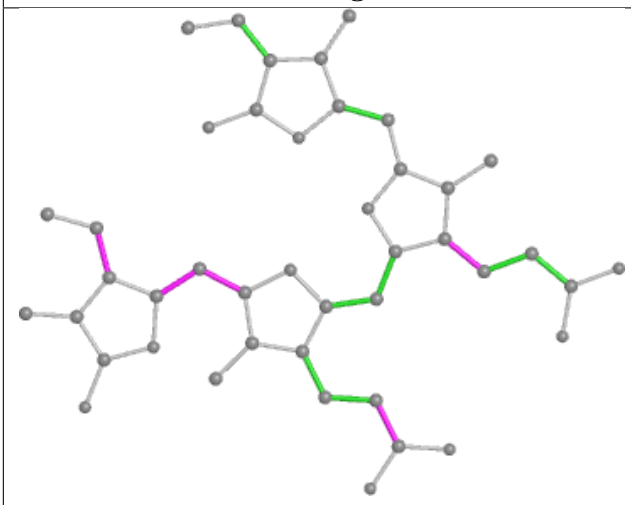

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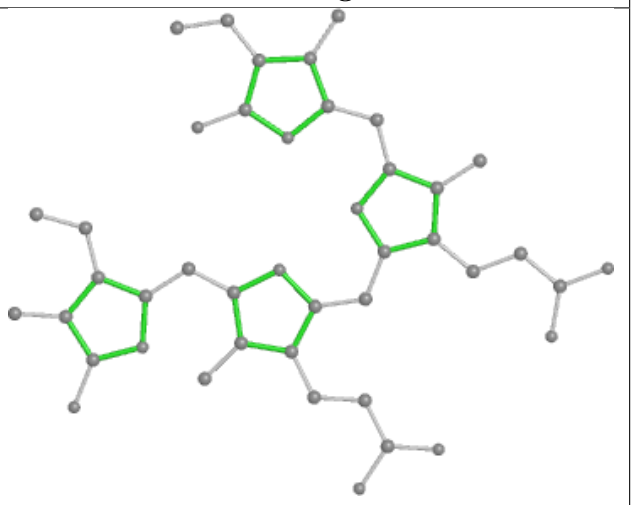
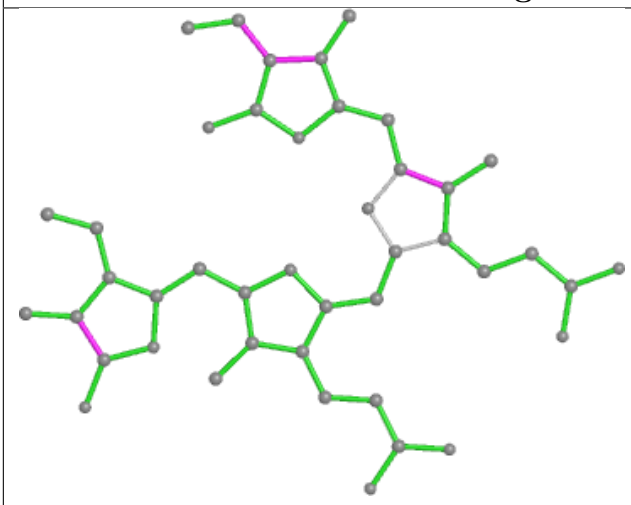


Rings

Ligand PEB G9 202



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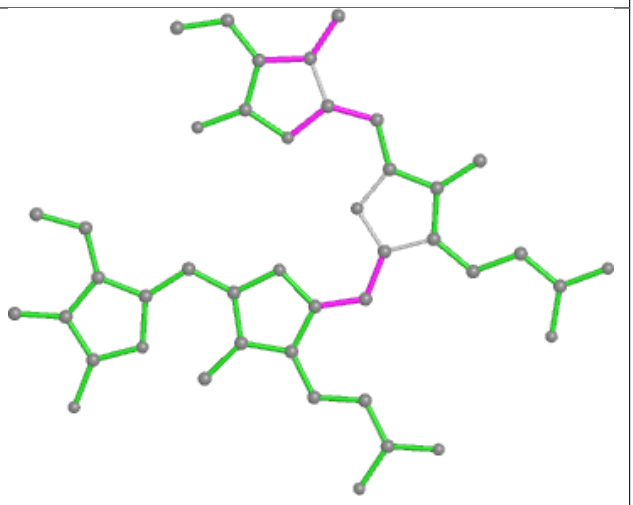
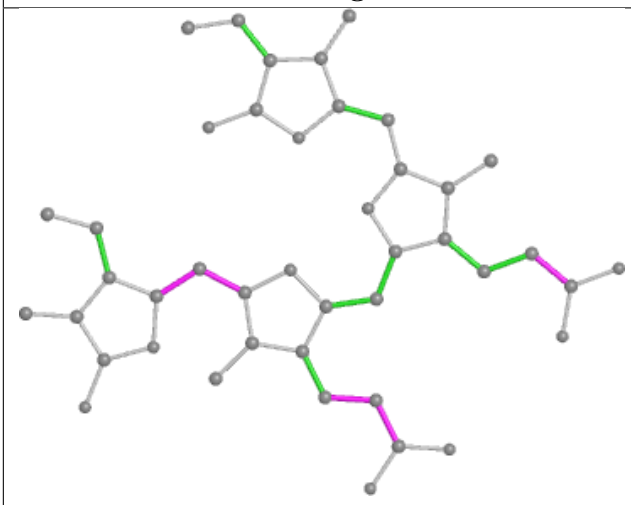


Bond angles



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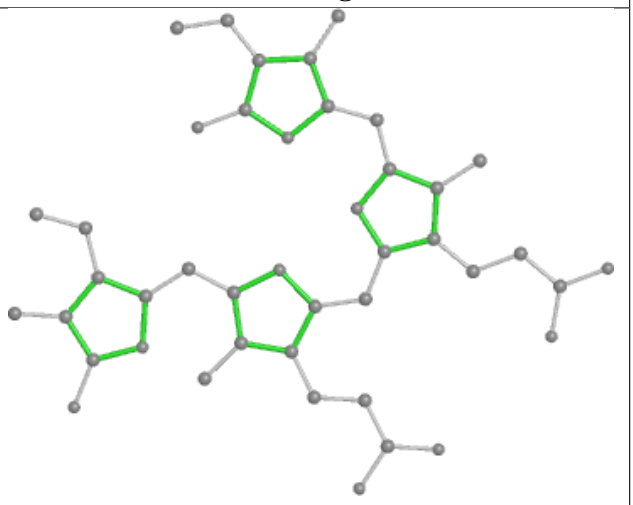
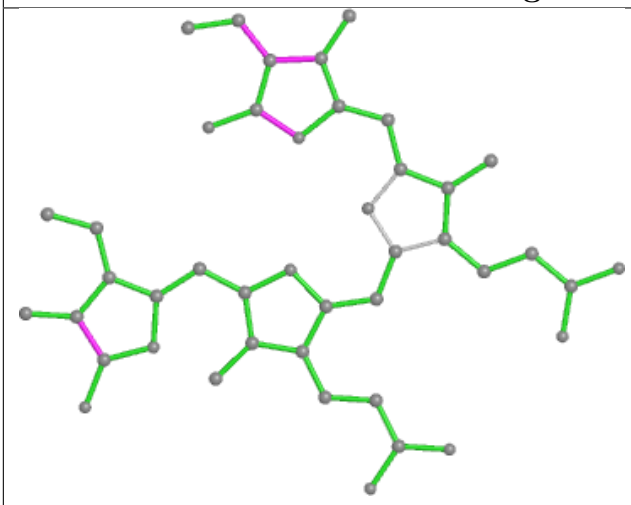


Rings

Ligand PEB f4 201



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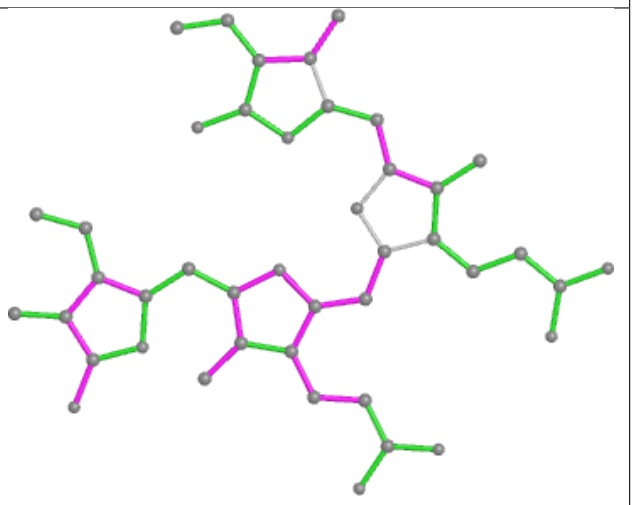

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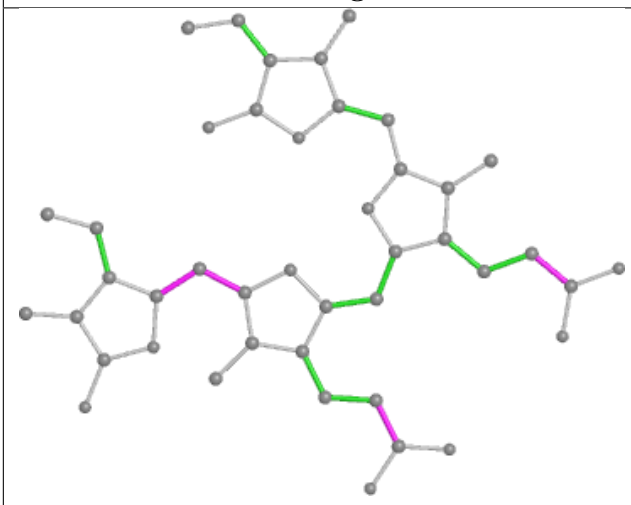

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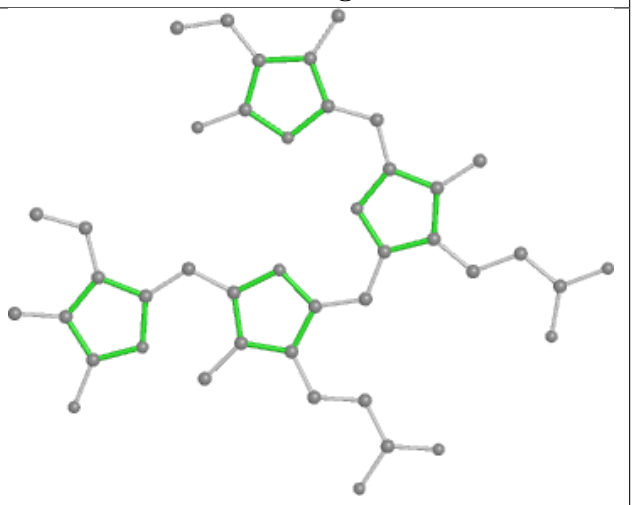
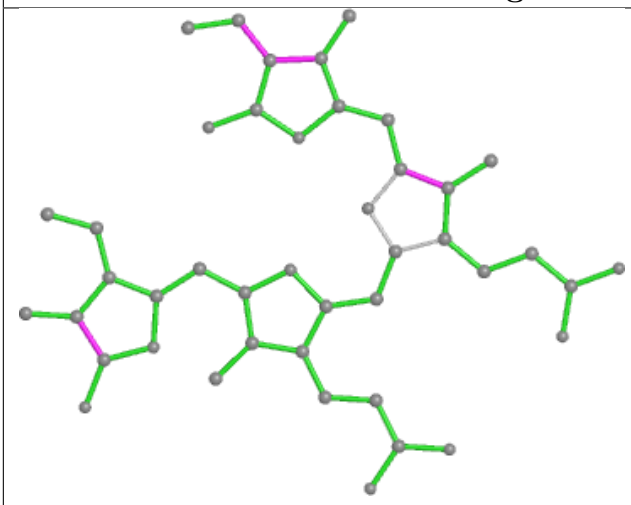


Rings

Ligand PEB O3 1002



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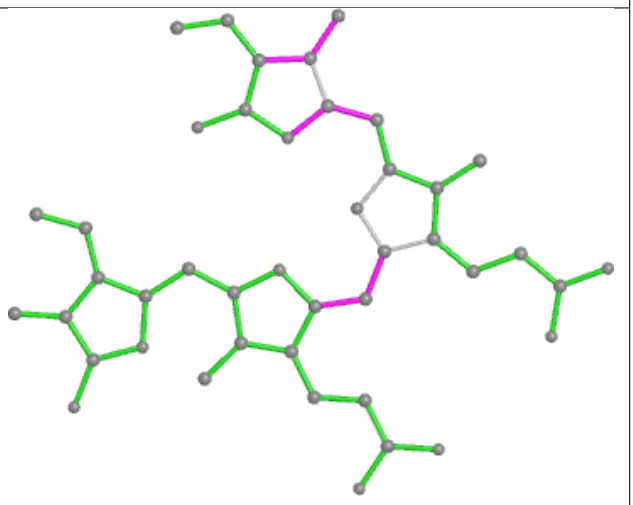

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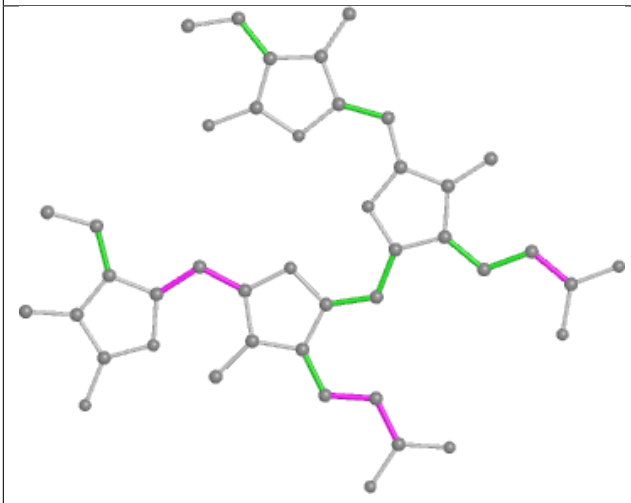

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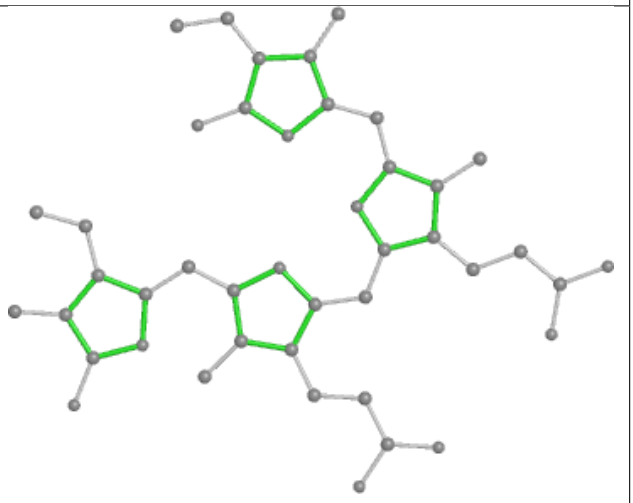
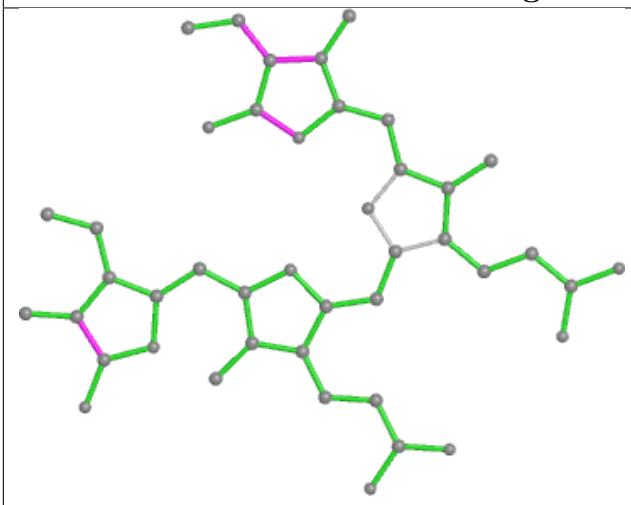


Rings

Ligand PEB ln 201



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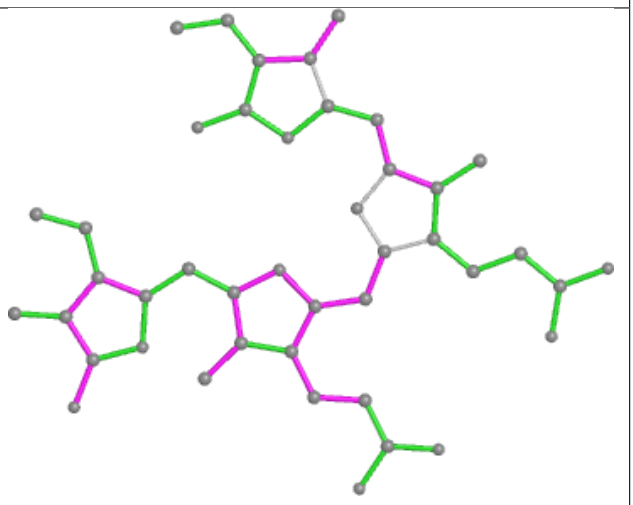

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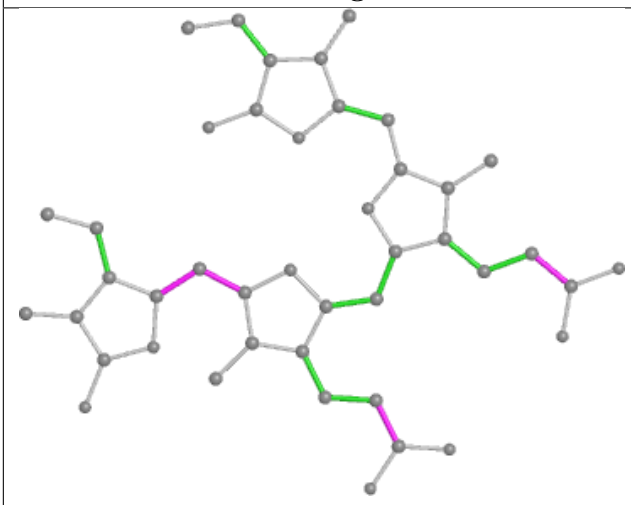

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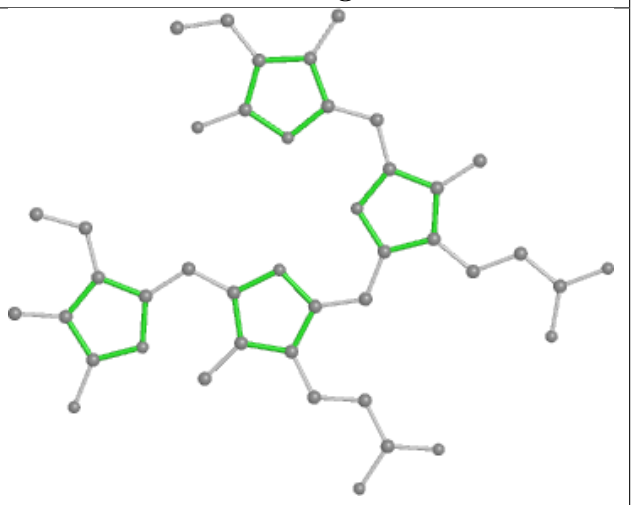
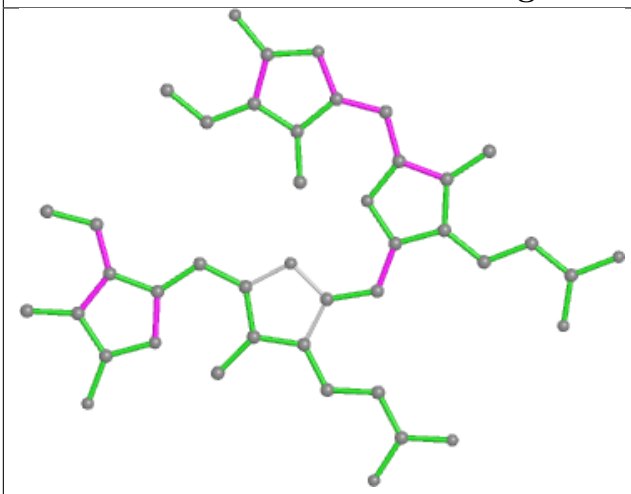


Rings

Ligand PVN e9 304



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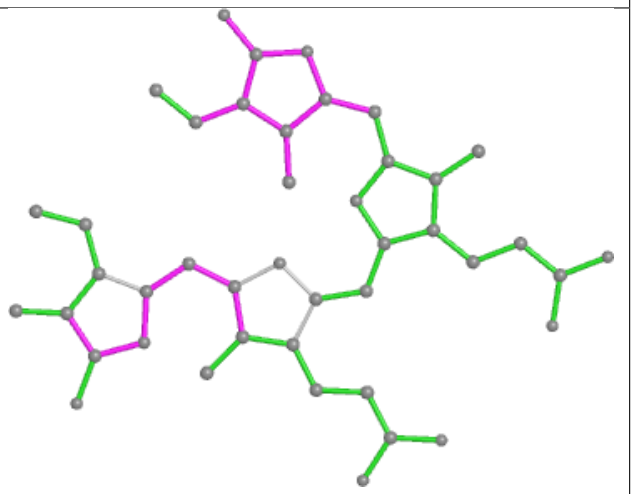
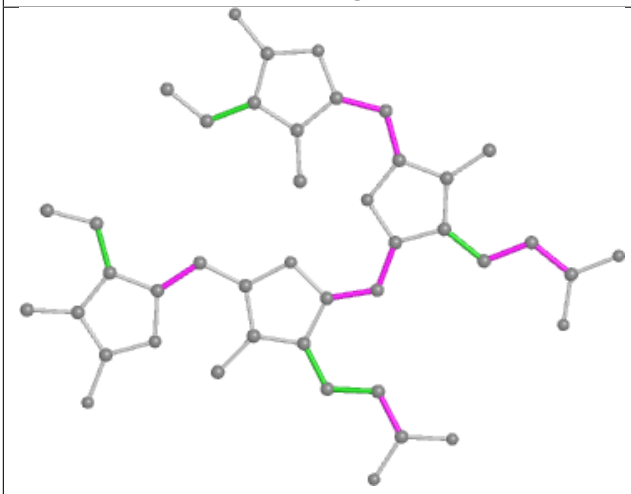


Bond angles



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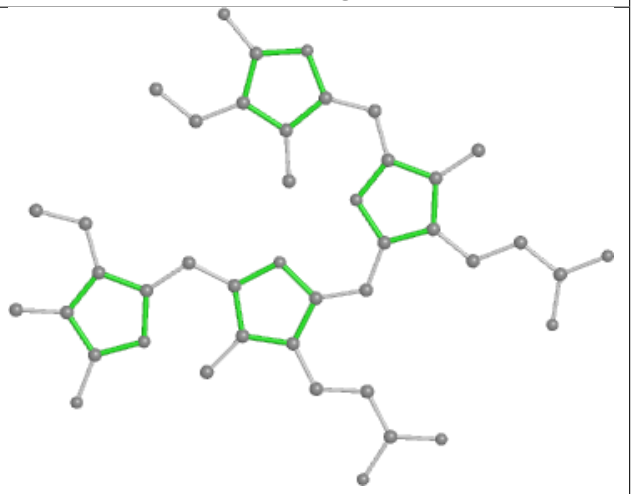
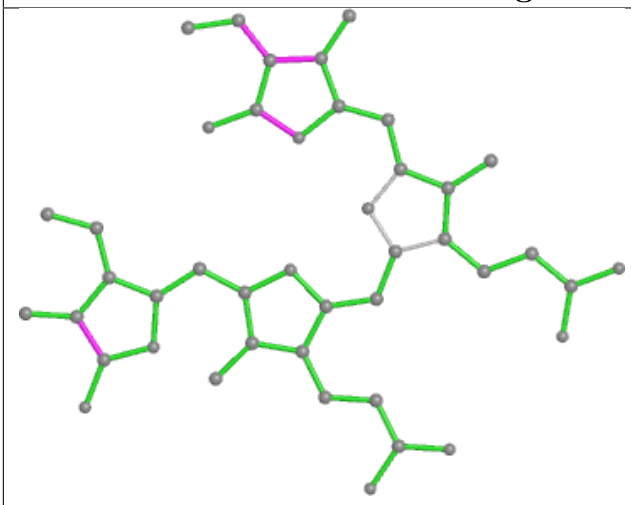


Rings

Ligand PEB X2 201



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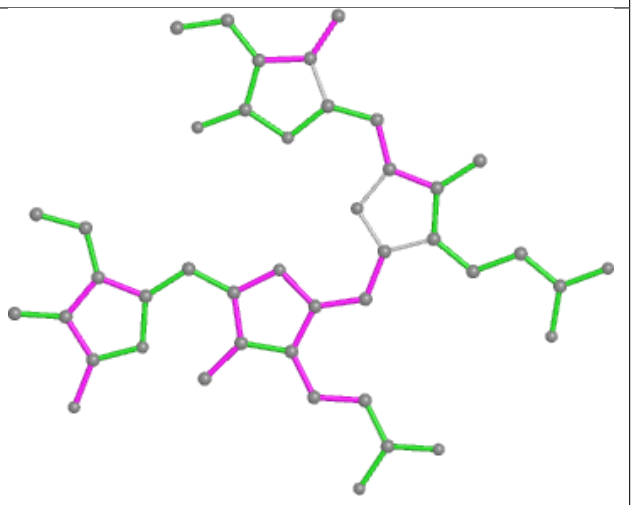
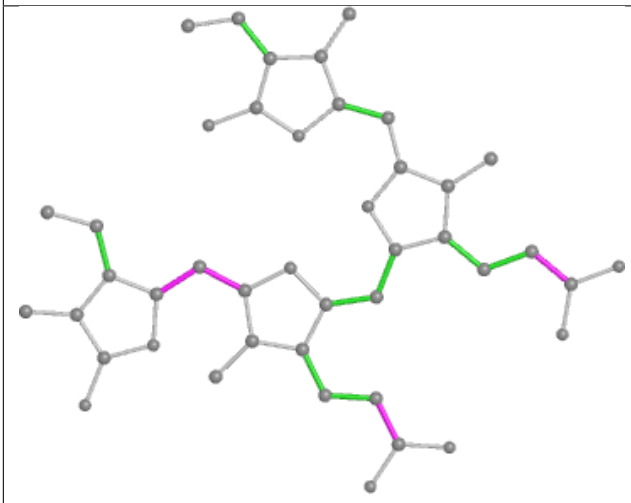
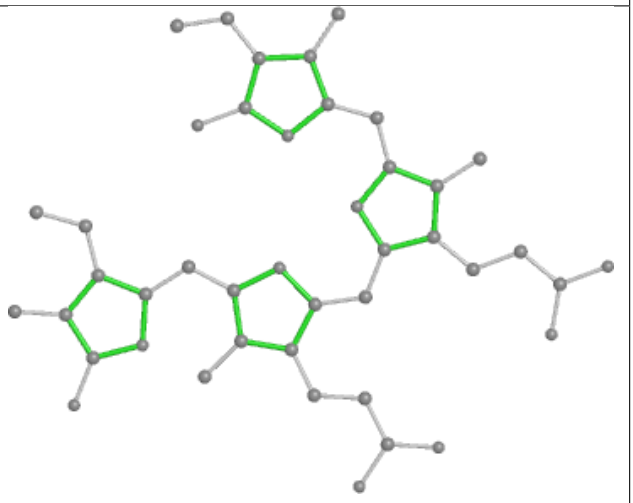


Bond angles

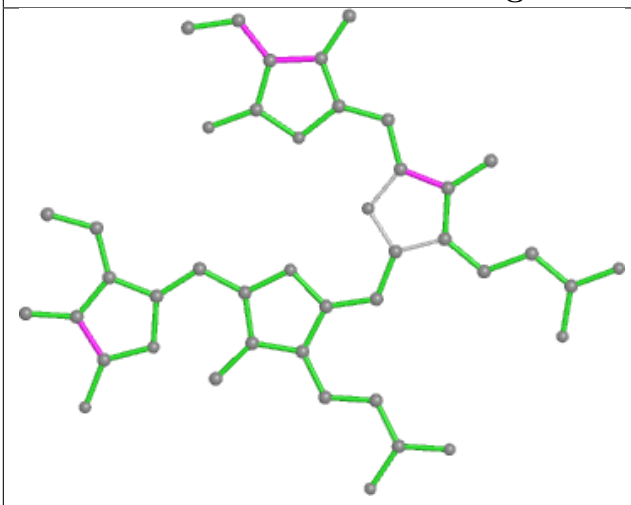


Torsions



Rings

Ligand PEB Y7 1002



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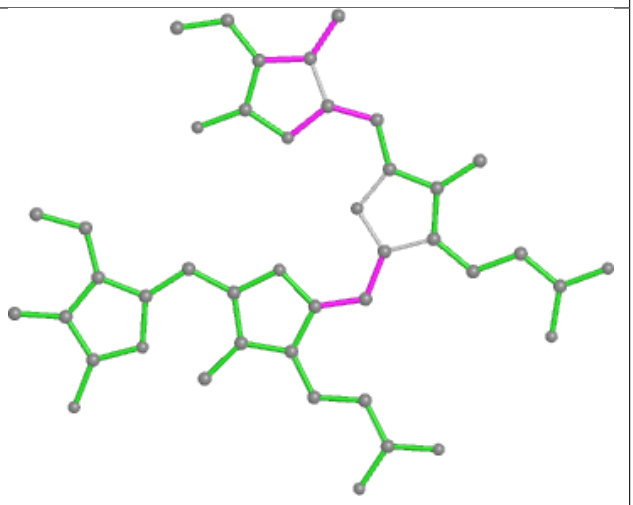

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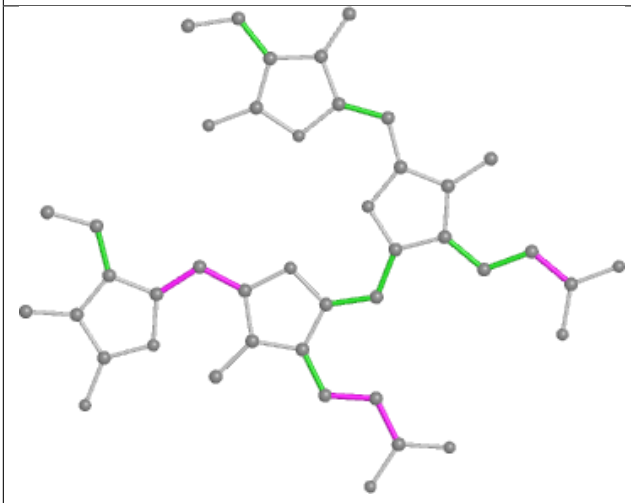

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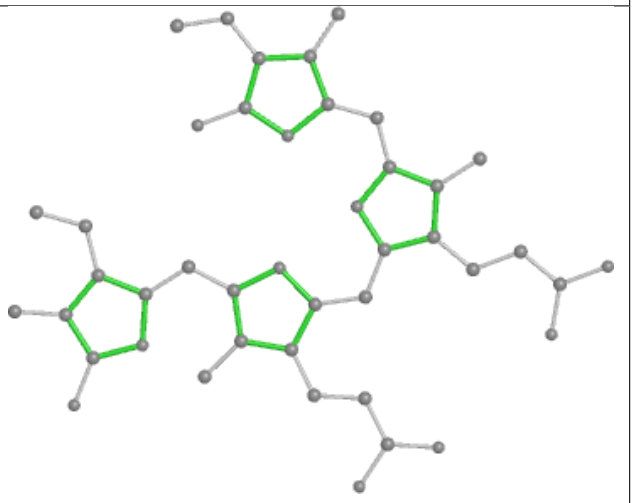
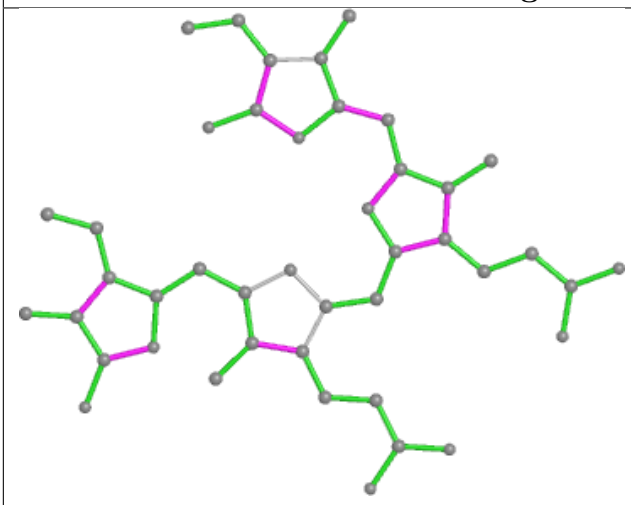


Rings

Ligand PUB dl 203



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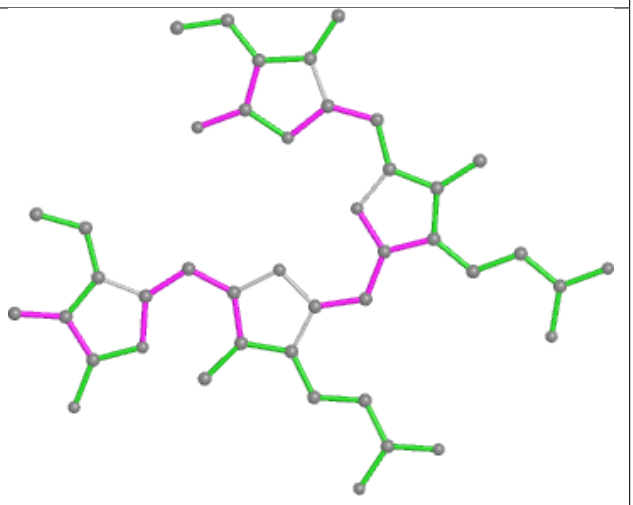

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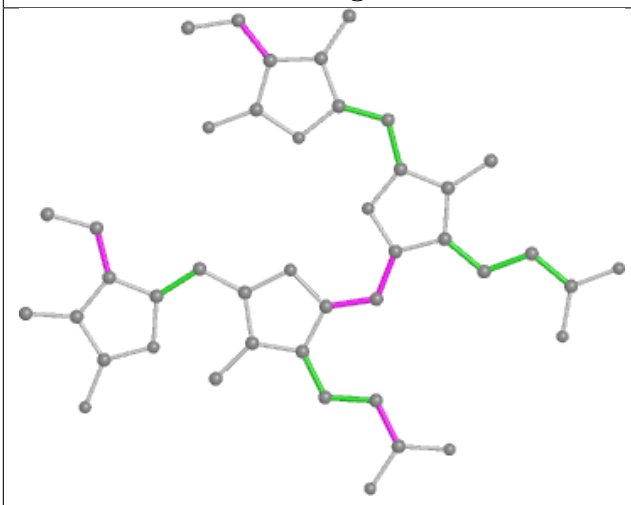

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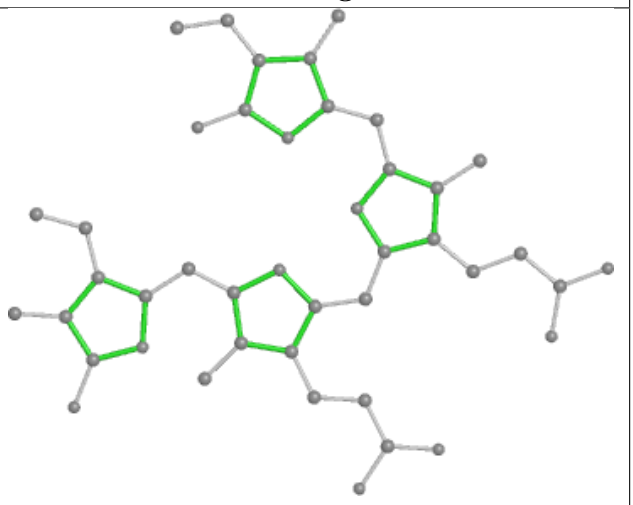
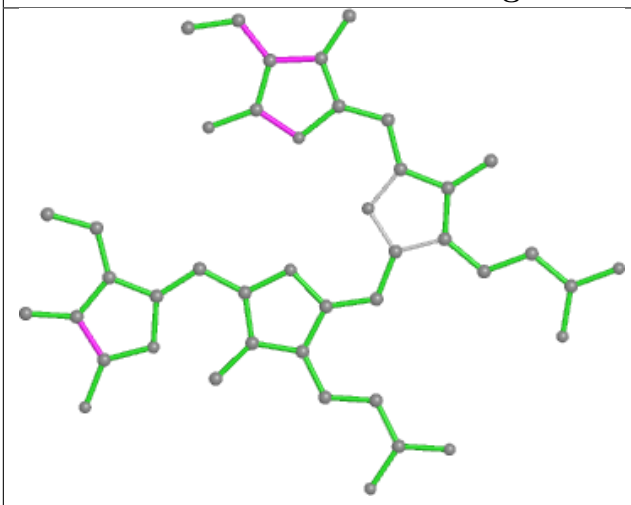


Rings

Ligand PEB M7 1001



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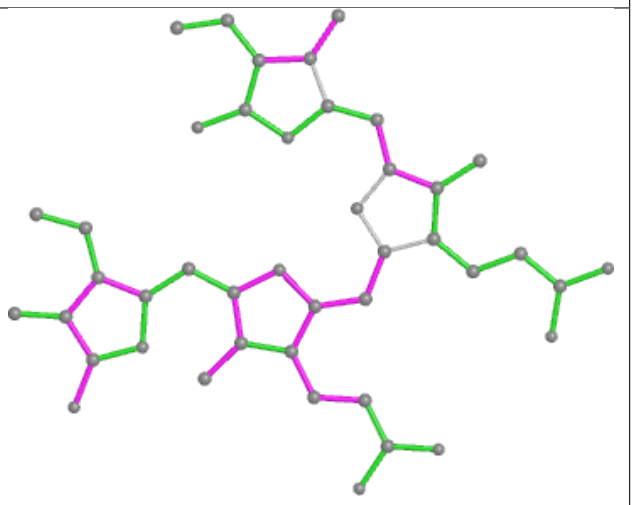

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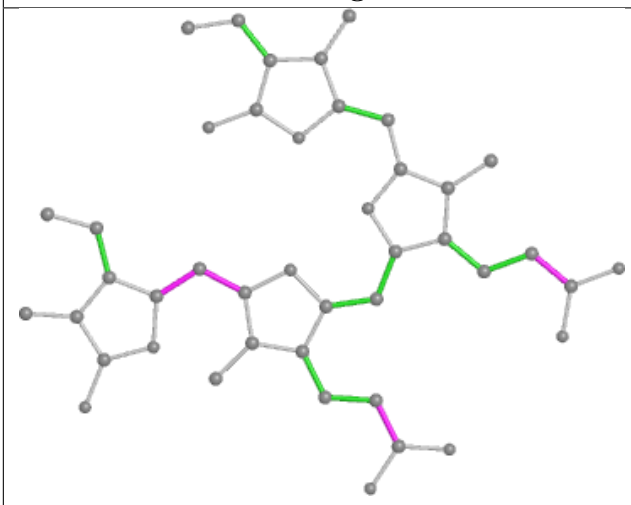

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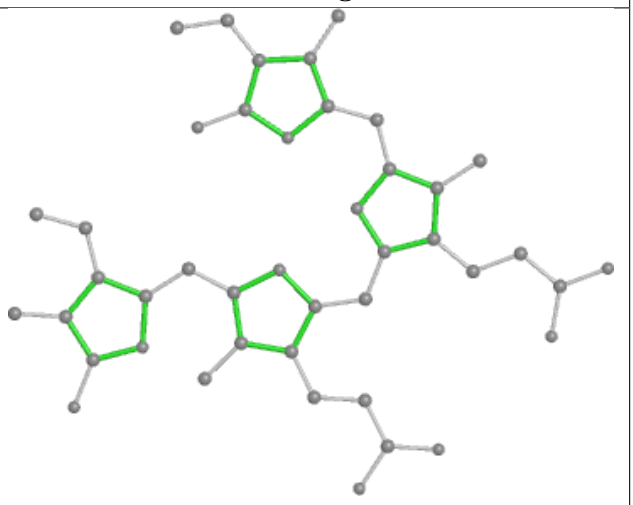
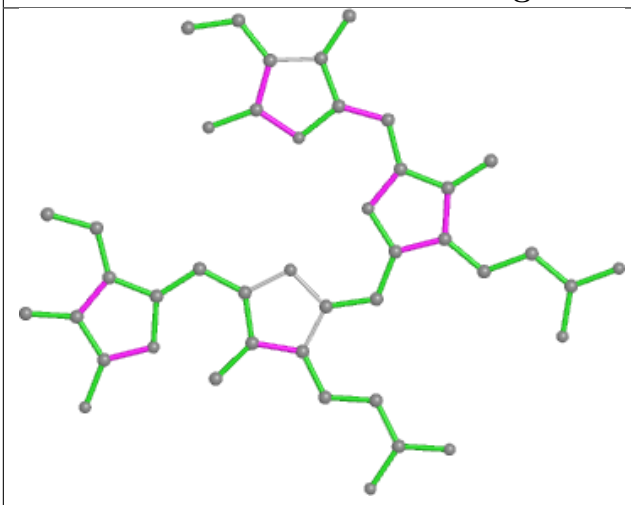


Rings

Ligand PUB V2 203



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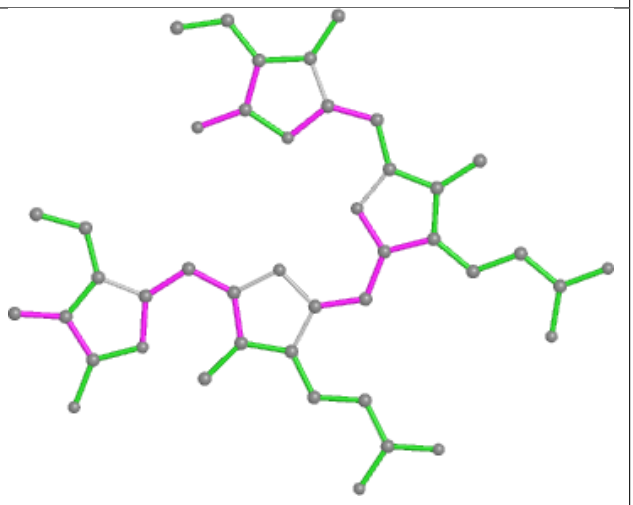

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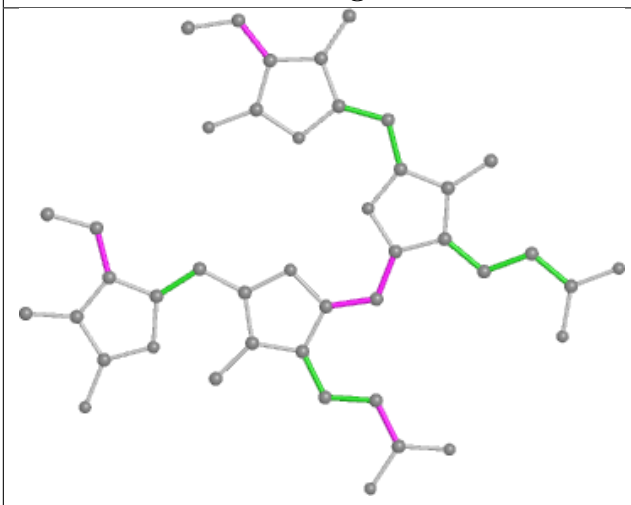

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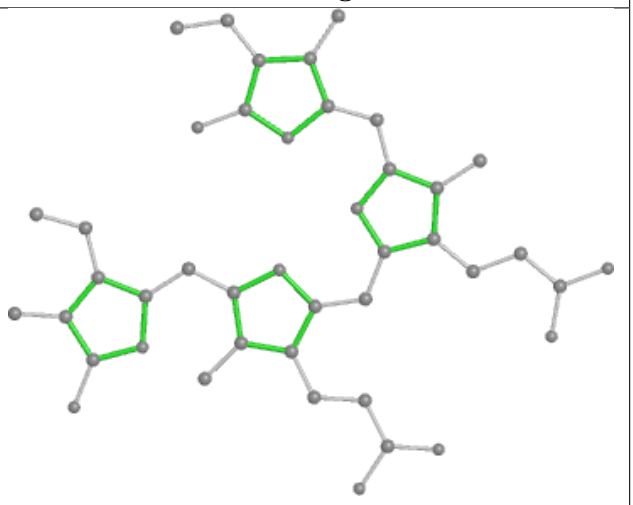
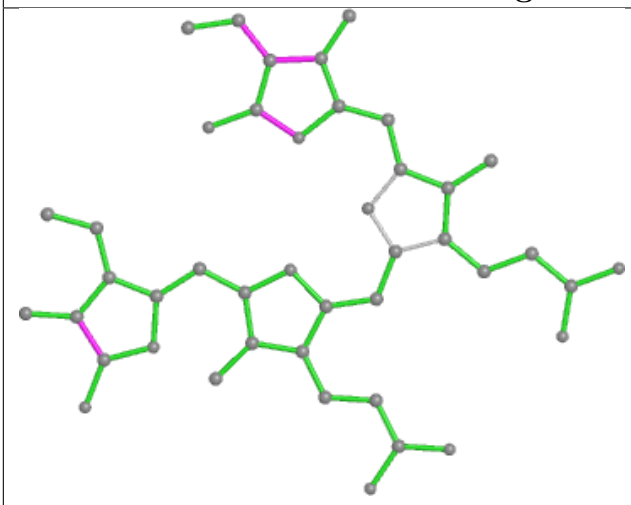


Rings

Ligand PEB X3 201



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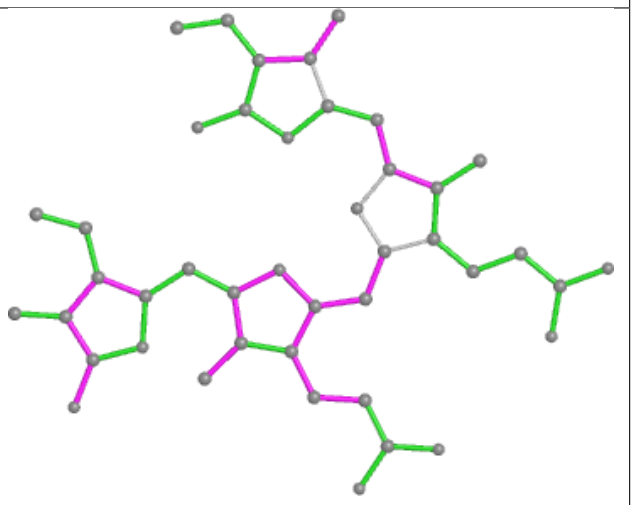

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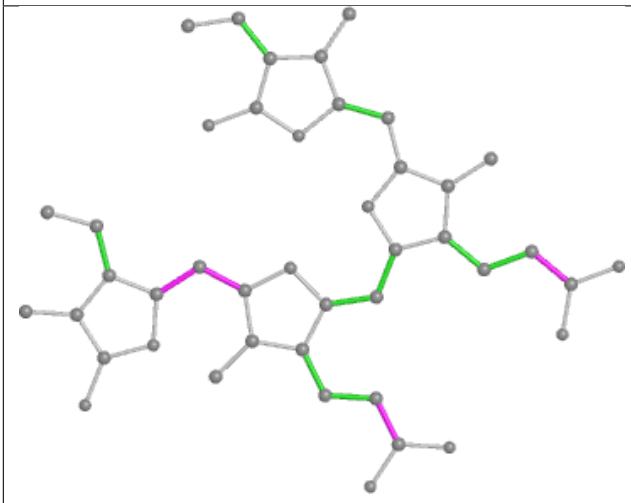

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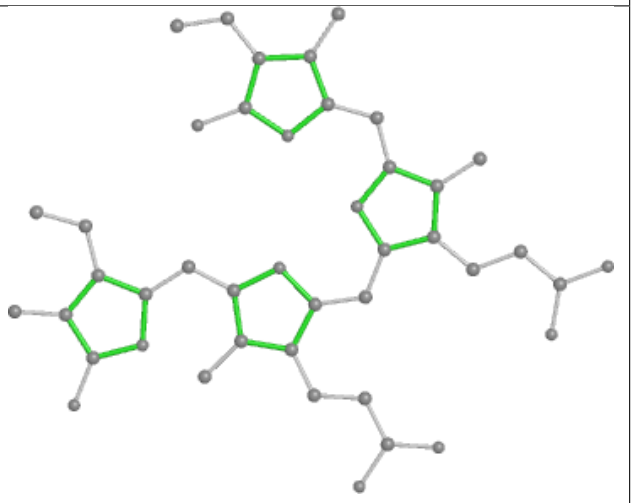

Rings

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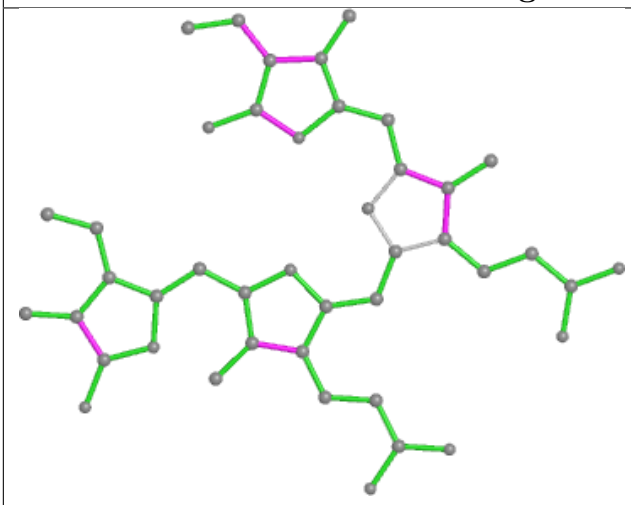

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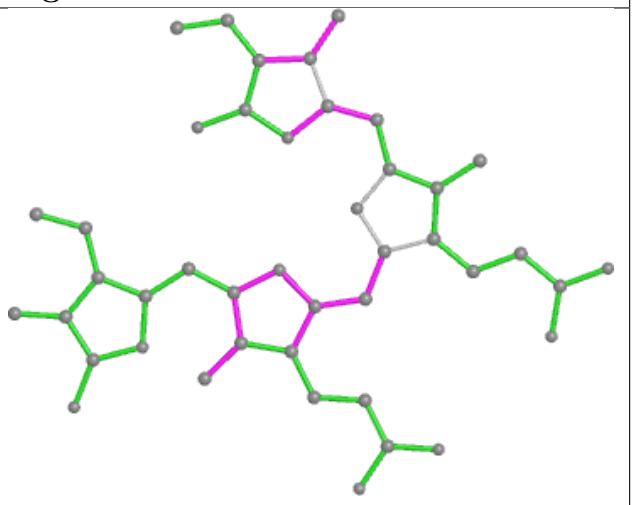

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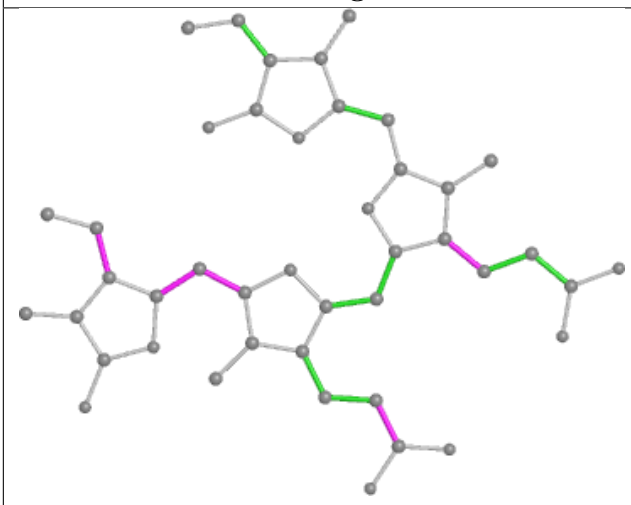

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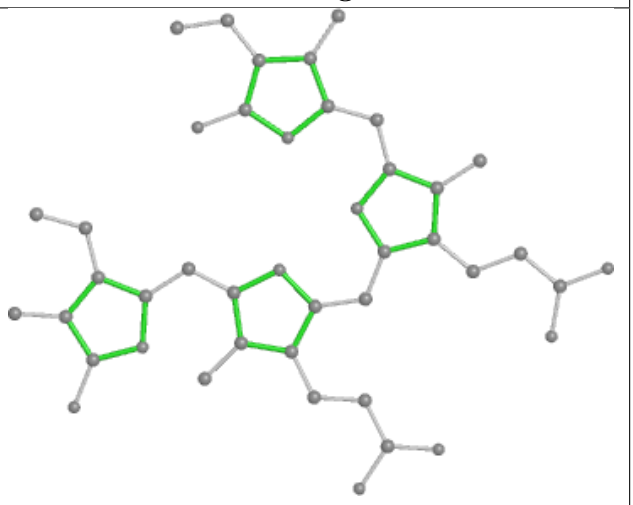

Rings

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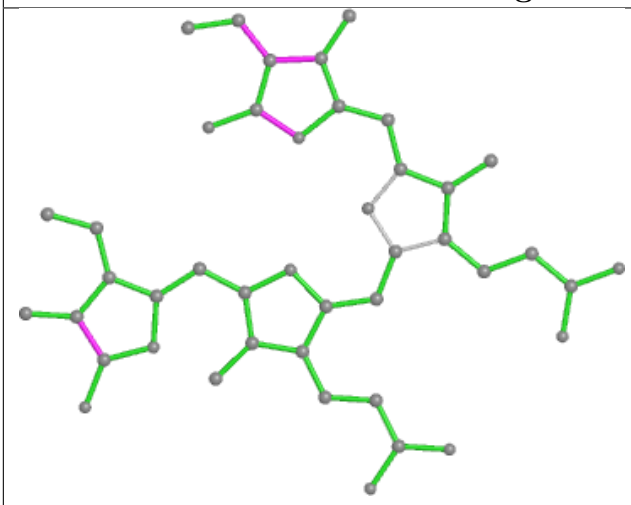

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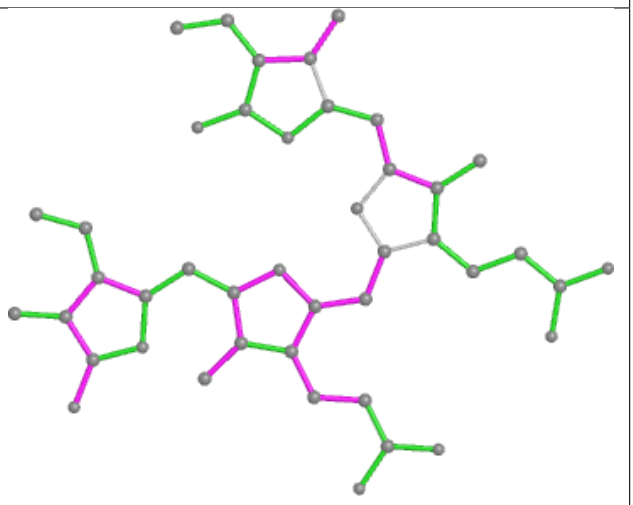

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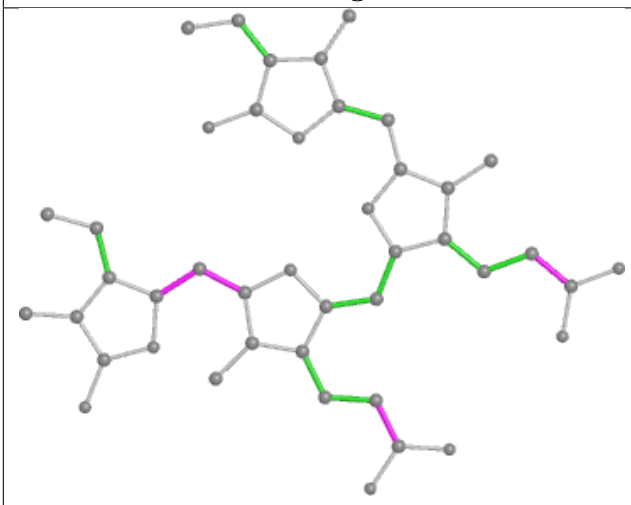

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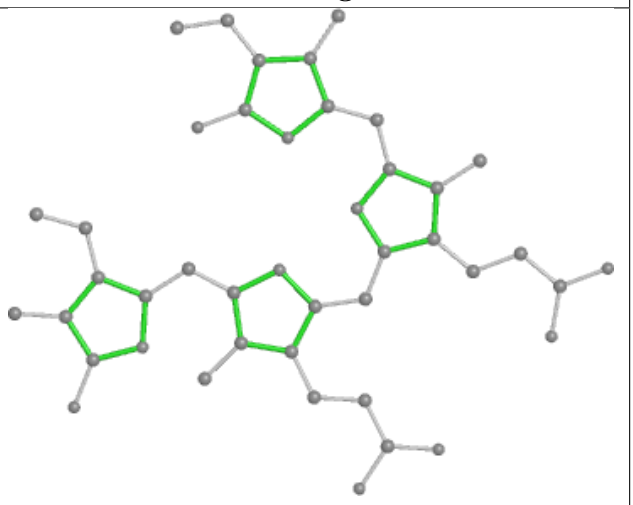

Rings

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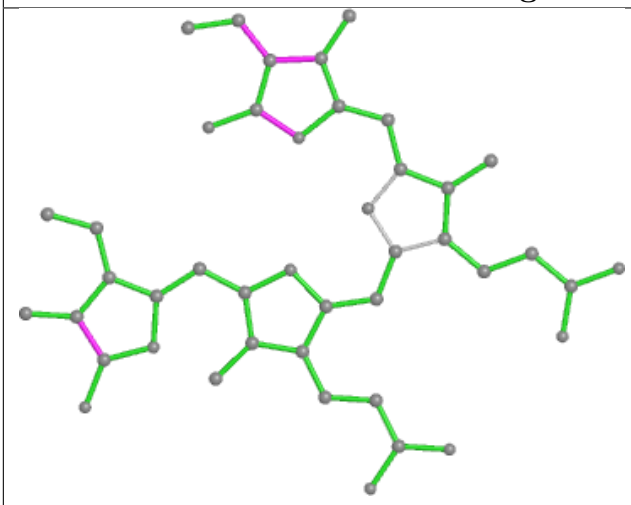

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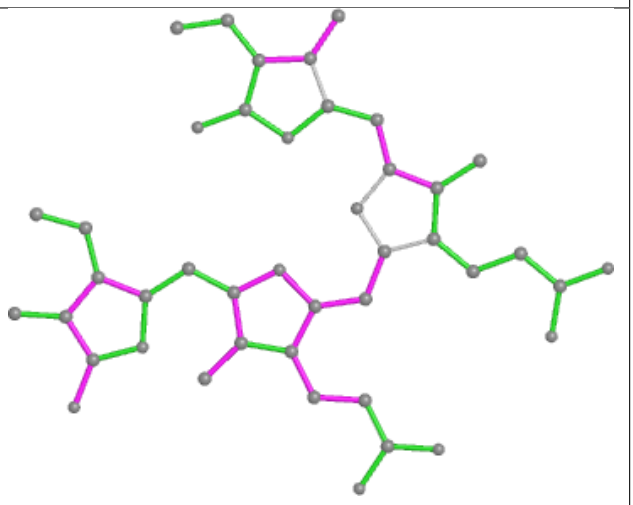

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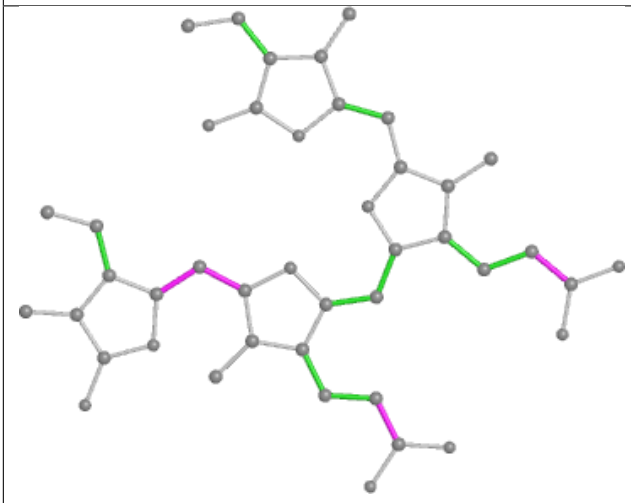

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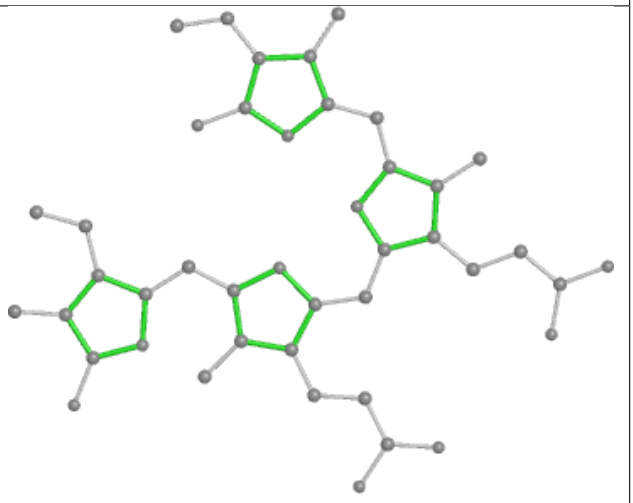
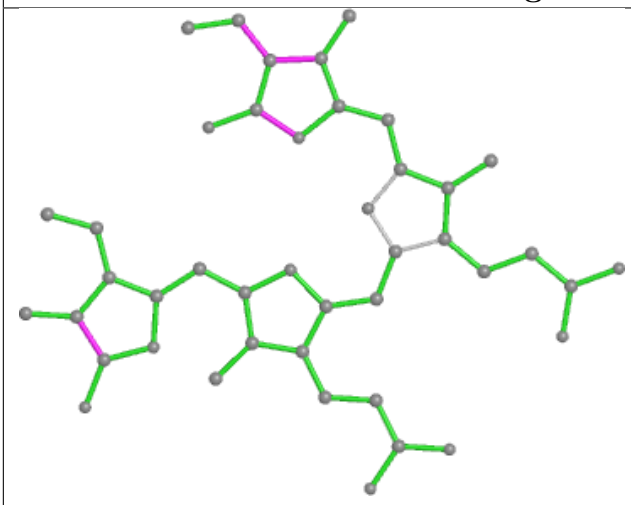


Rings

Ligand PEB lz 402



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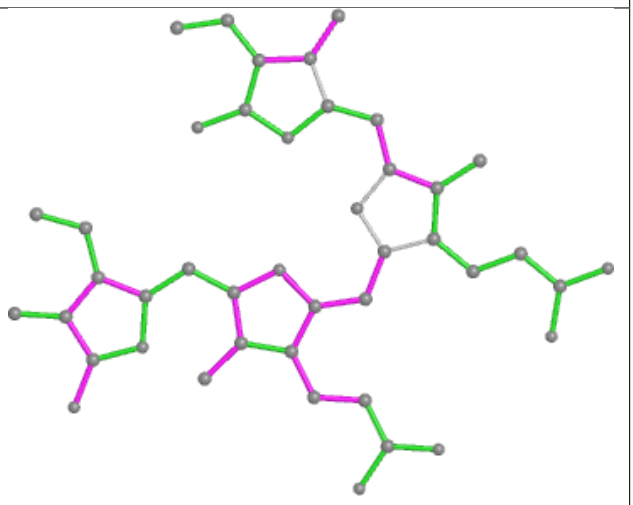

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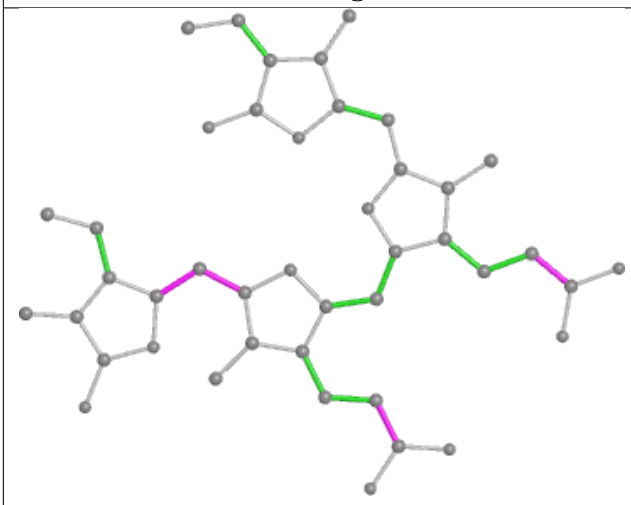

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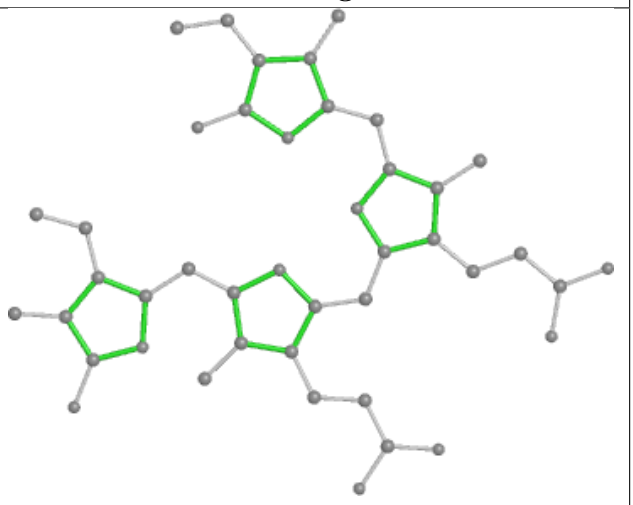
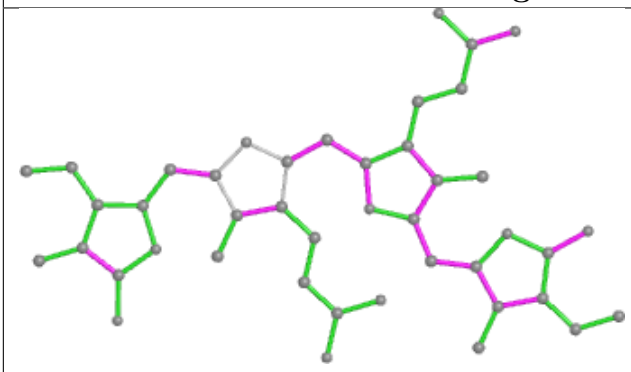


Rings

Ligand CYC V1 201



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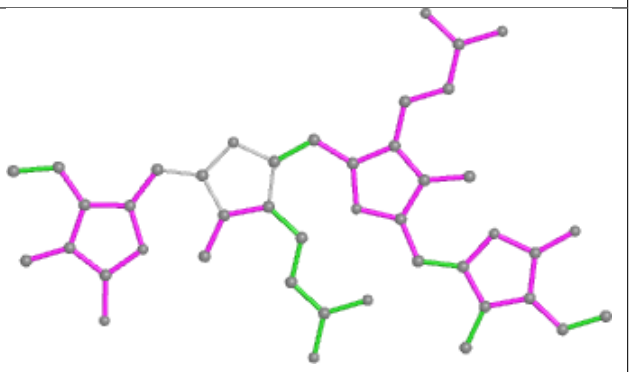

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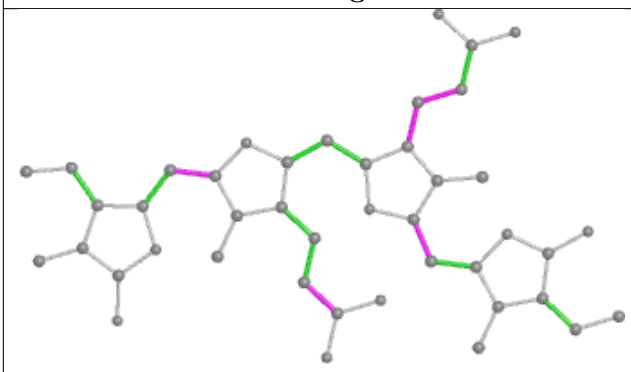

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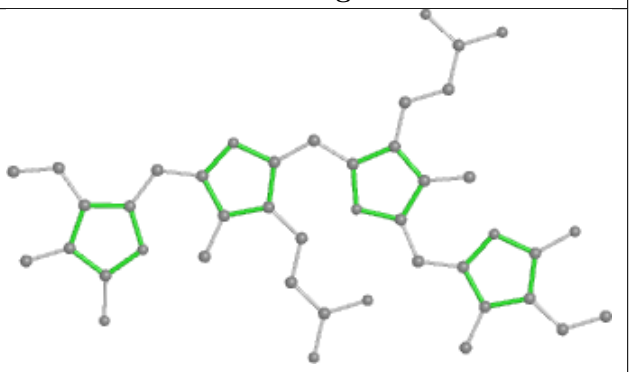
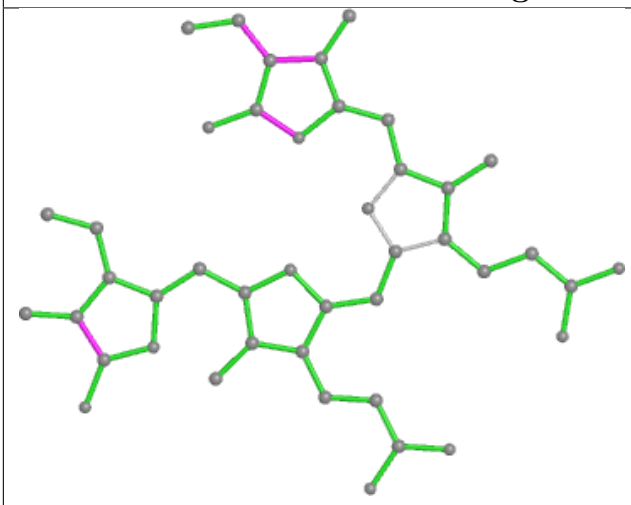


Rings

Ligand PEB M3 201



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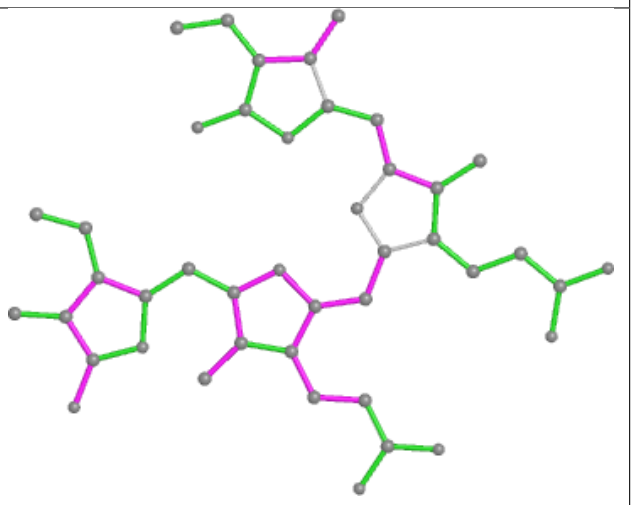

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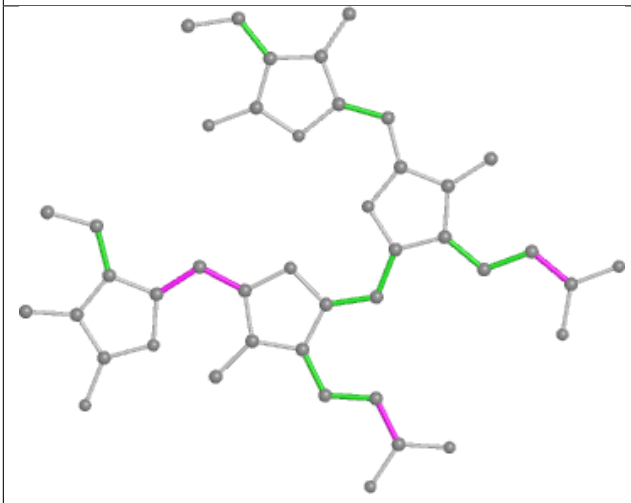

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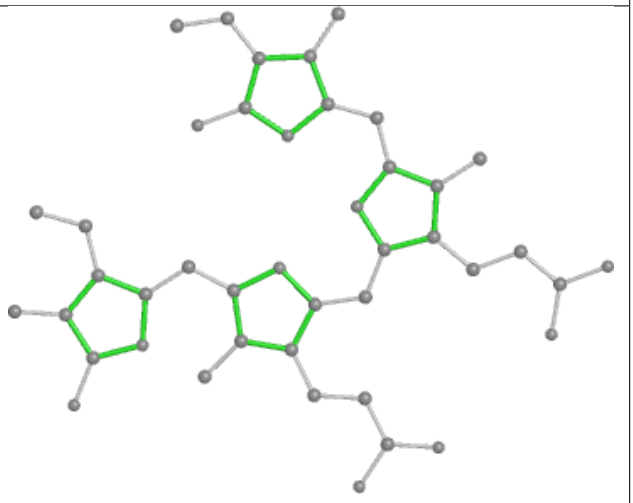
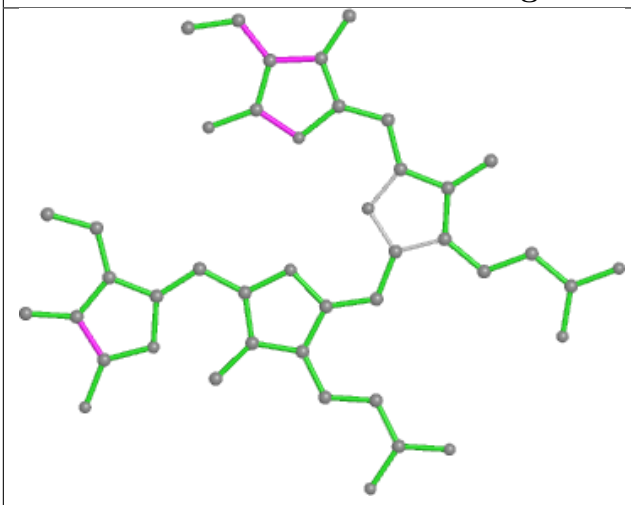


Rings

Ligand PEB z4 201



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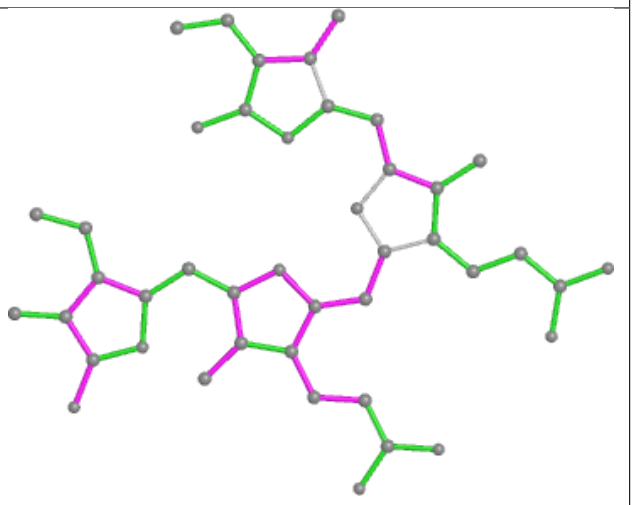

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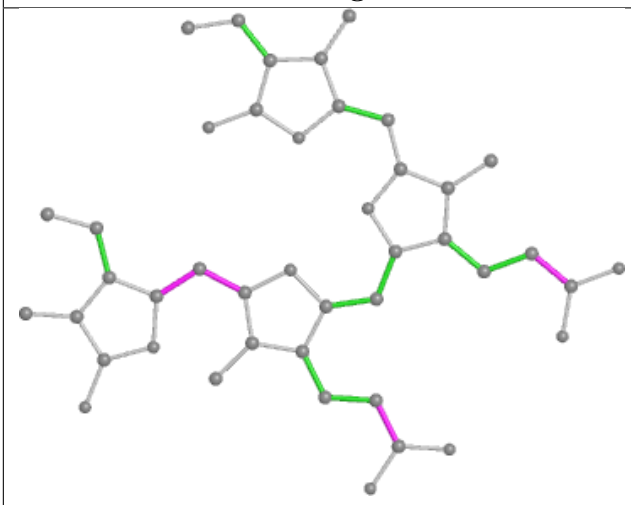

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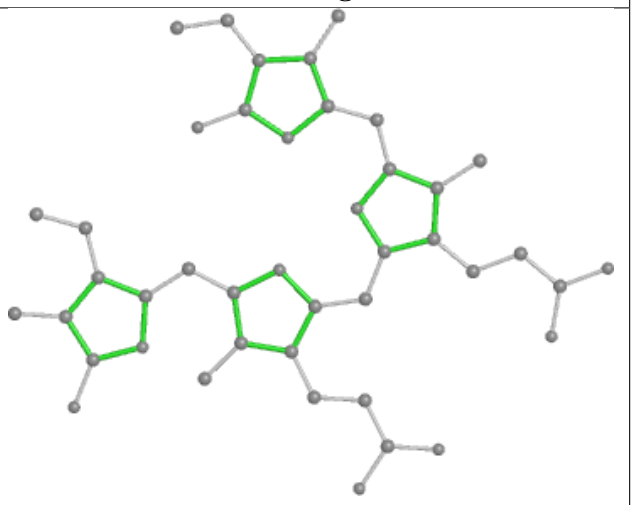

Rings

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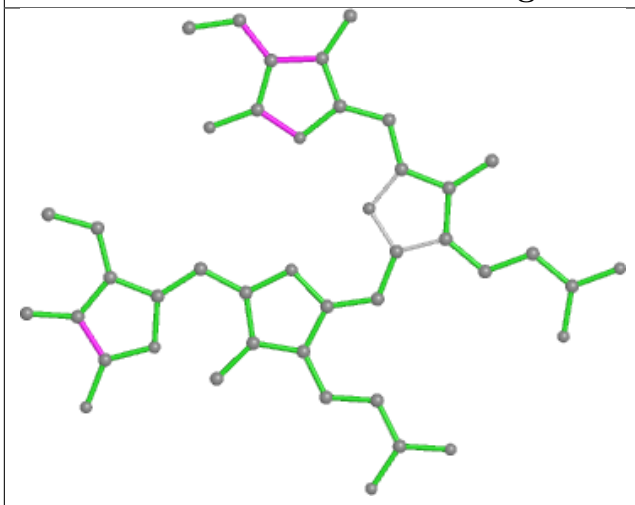

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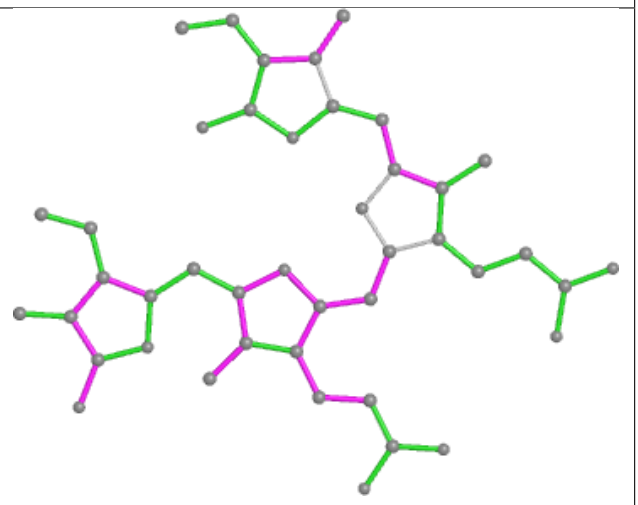

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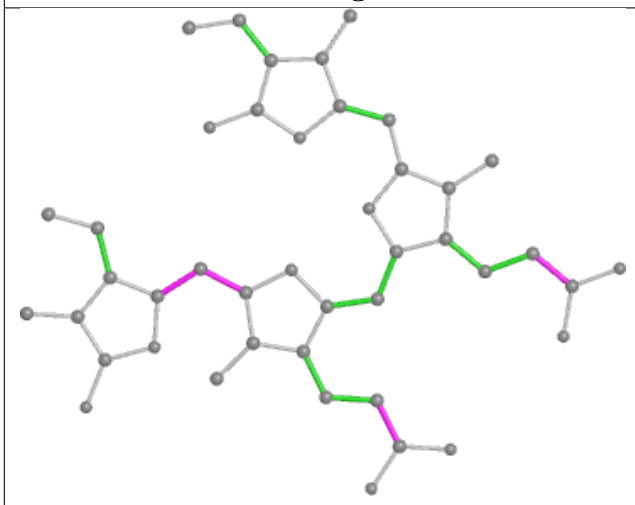

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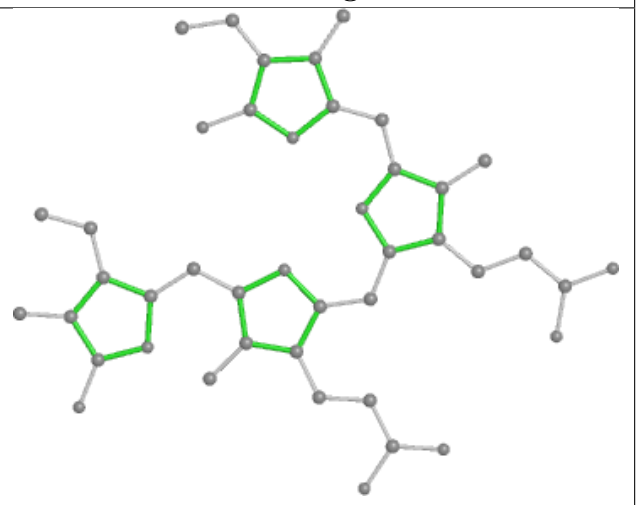
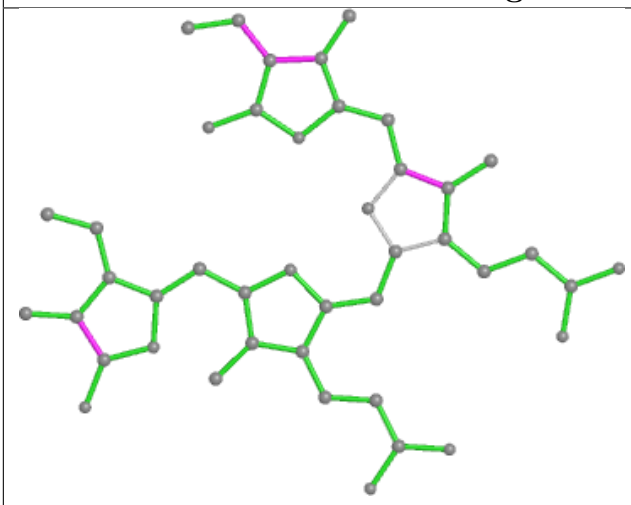


Rings

Ligand PEB K5 1002



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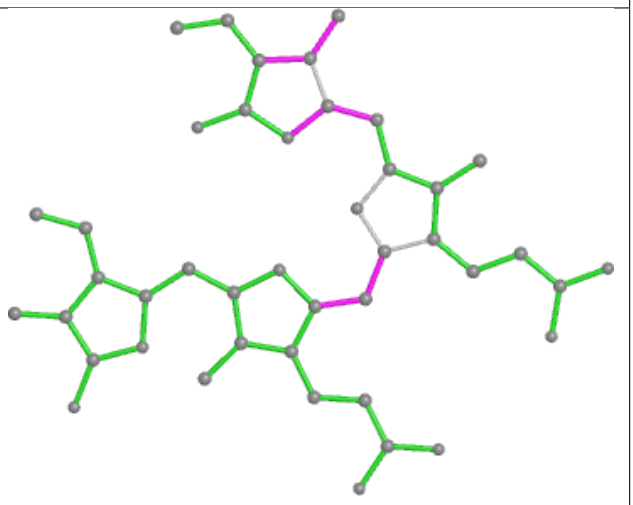

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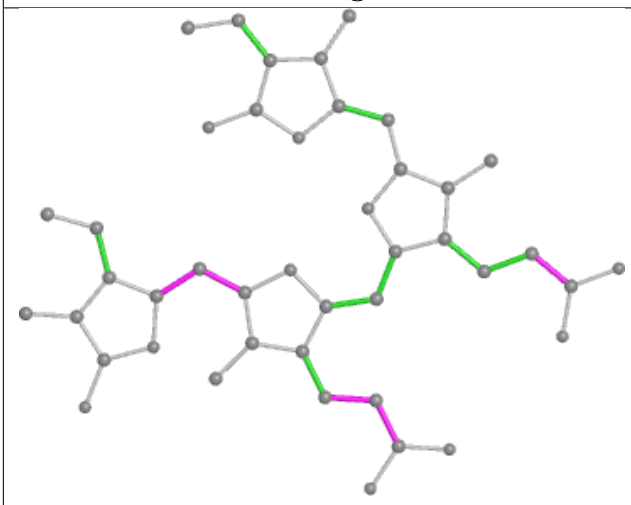
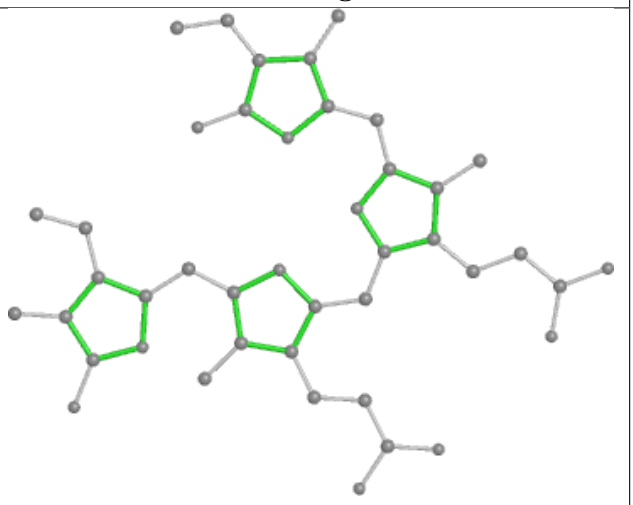
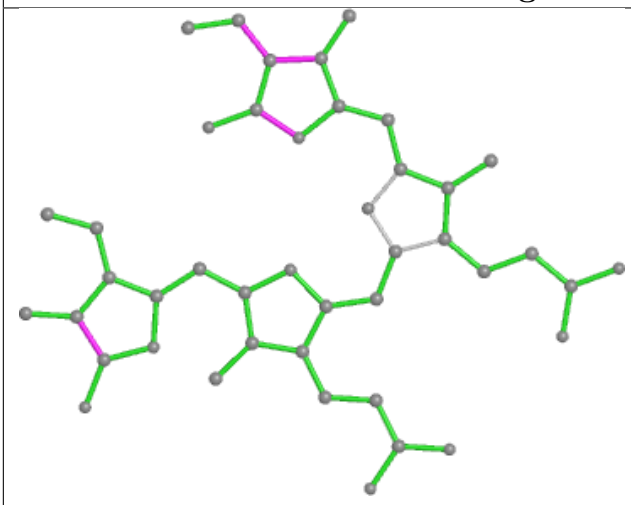


Torsions



Rings

Ligand PEB S4 201



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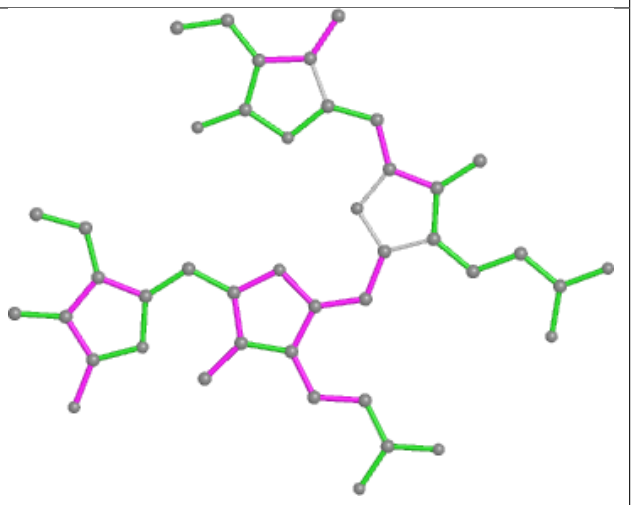

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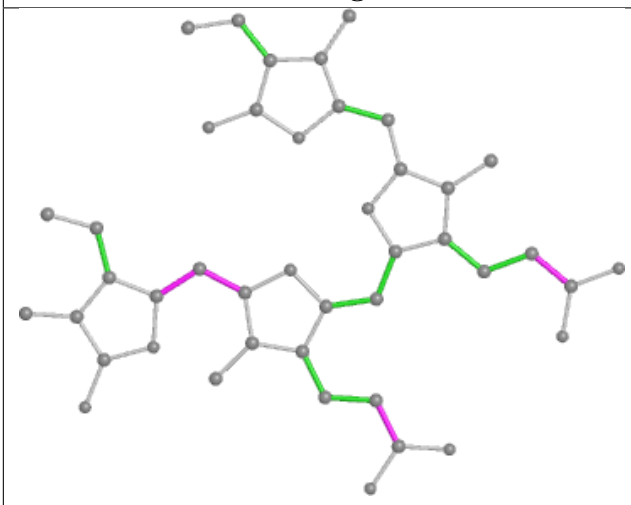

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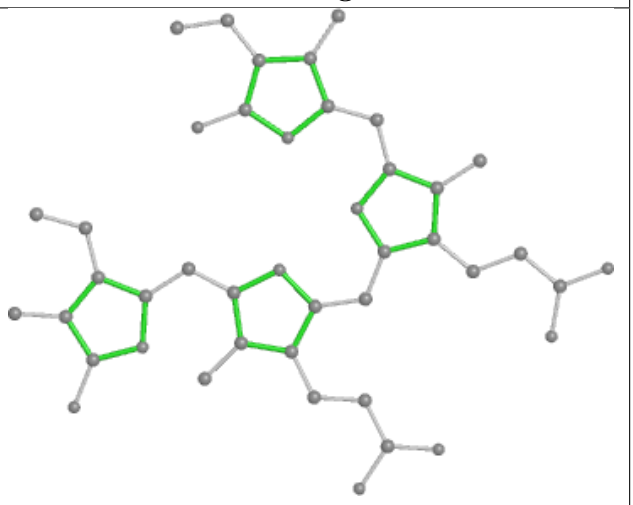
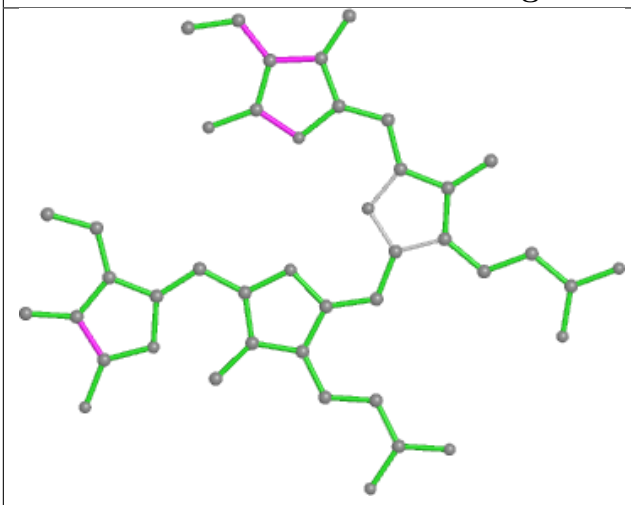


Rings

Ligand PEB t6 202



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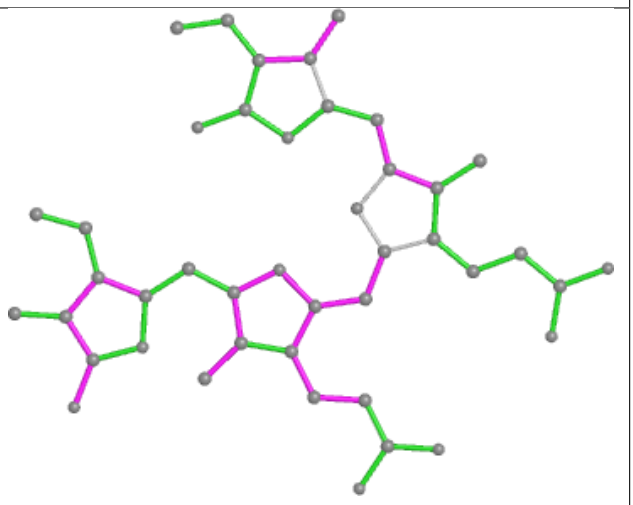

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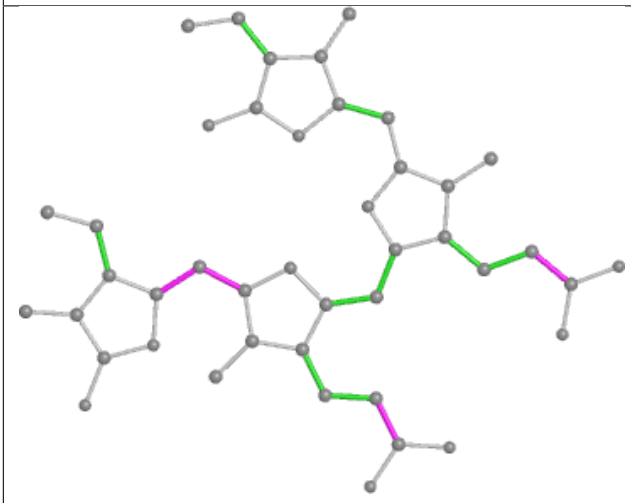

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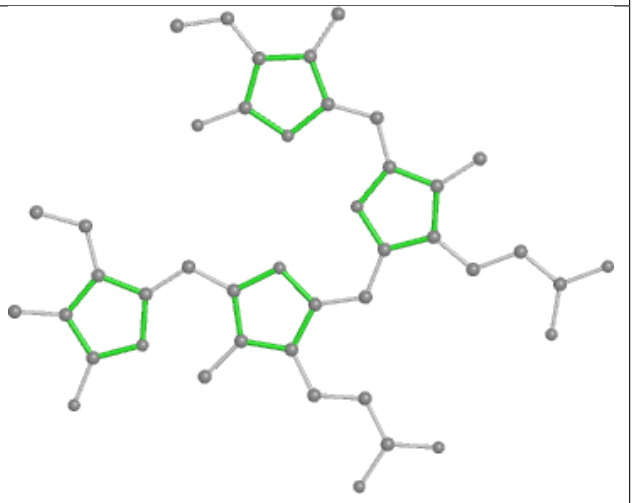
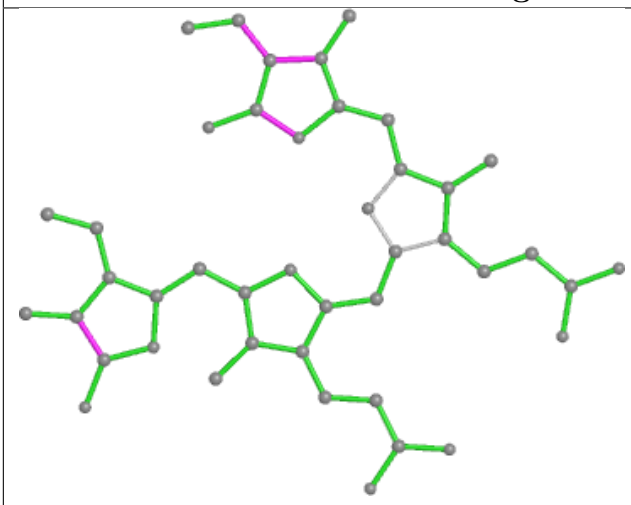


Rings

Ligand PEB ez 1002



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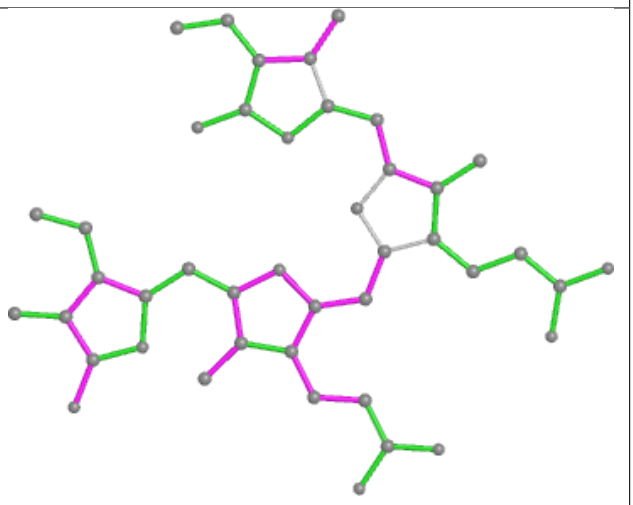

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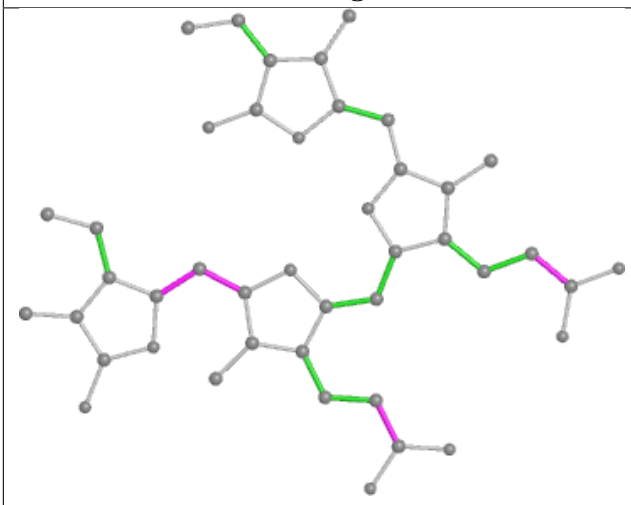

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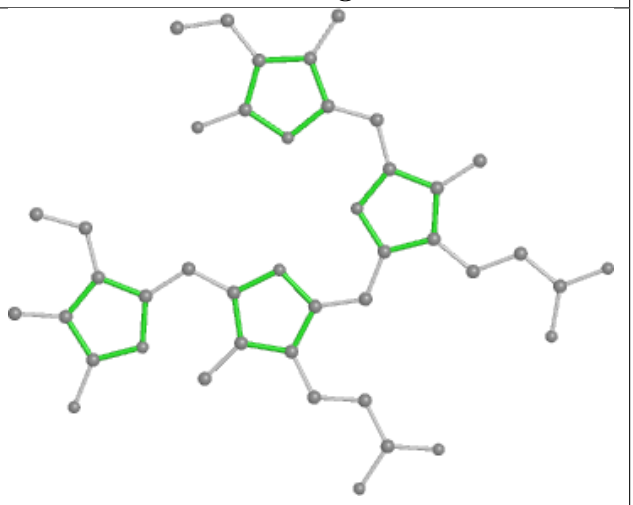

Rings

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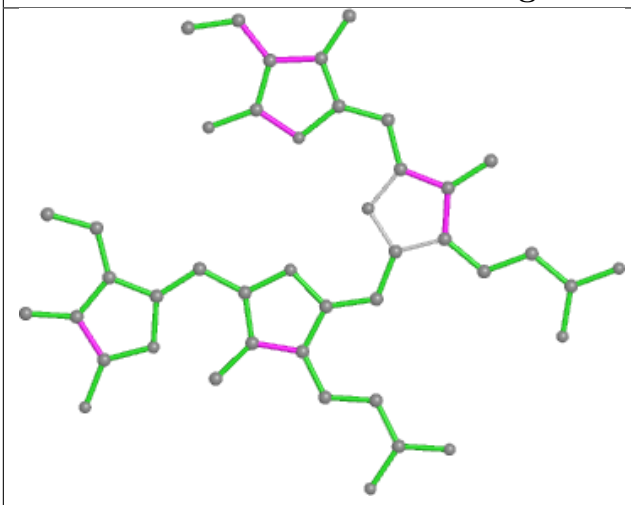

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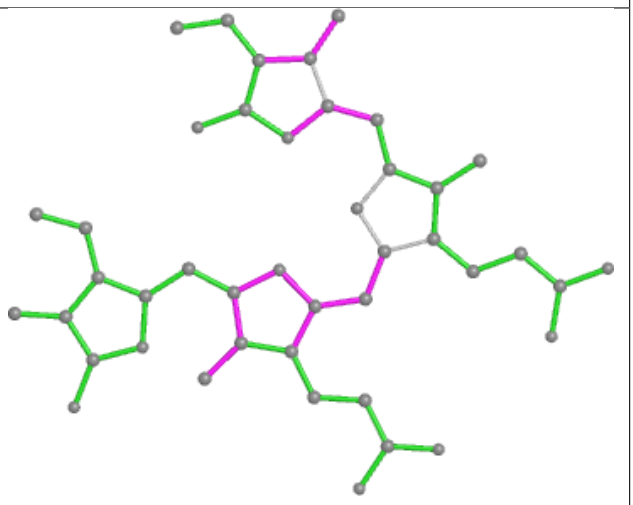

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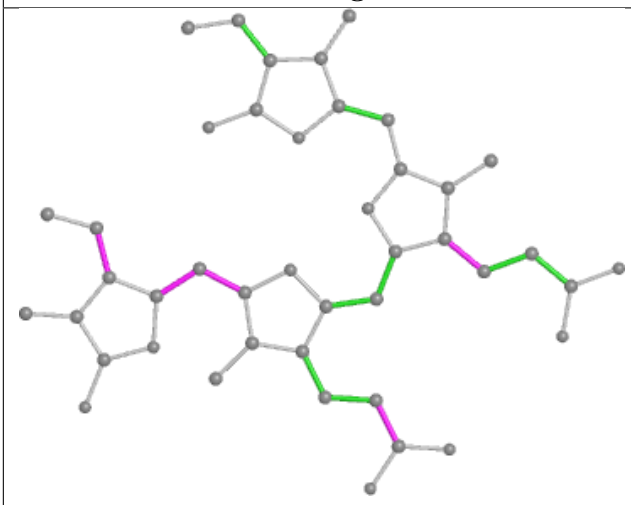

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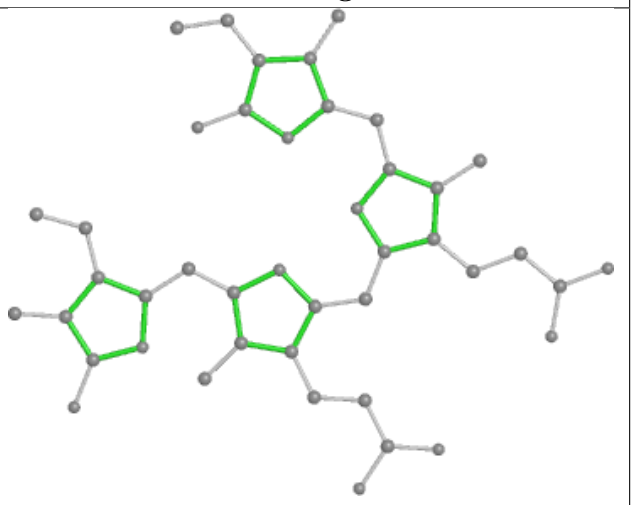

Rings

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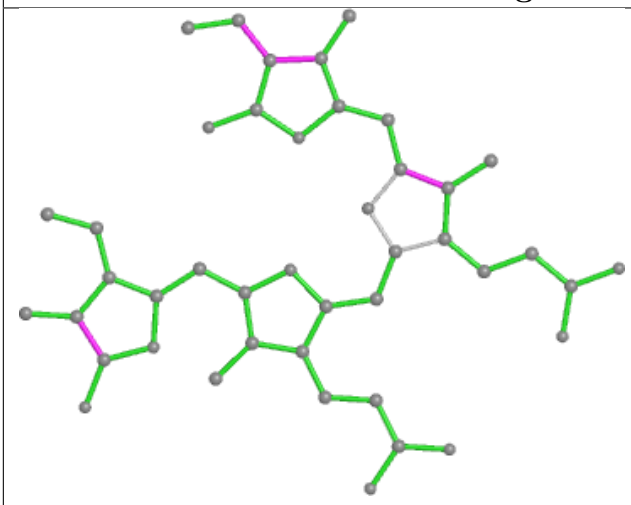

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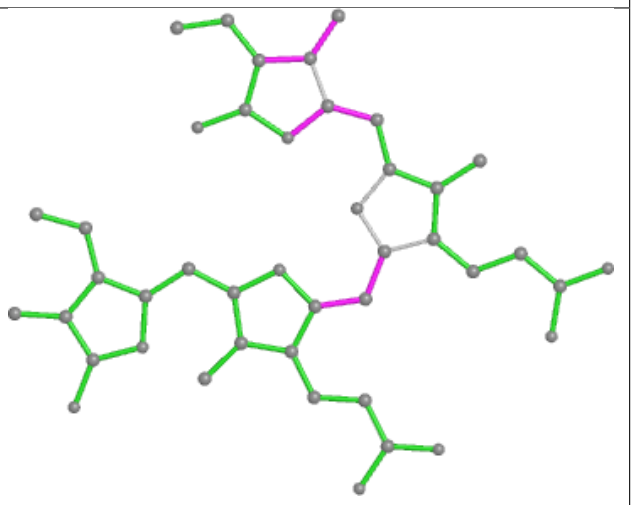

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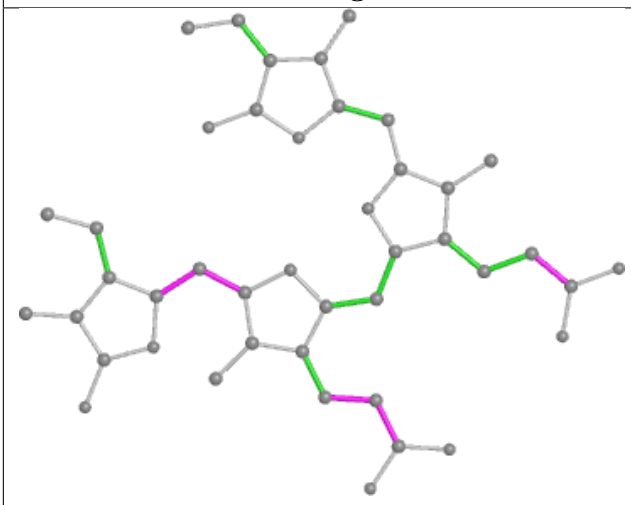

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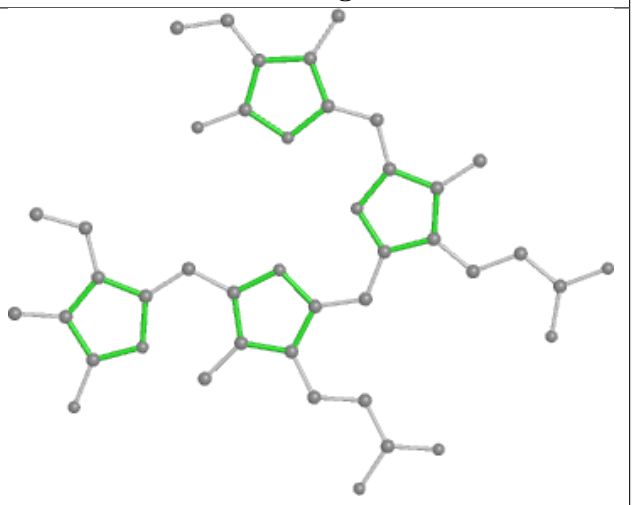
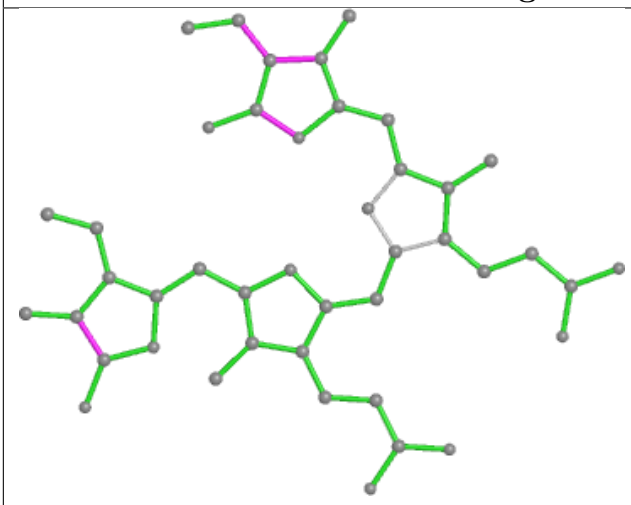


Rings

Ligand PEB p4 201



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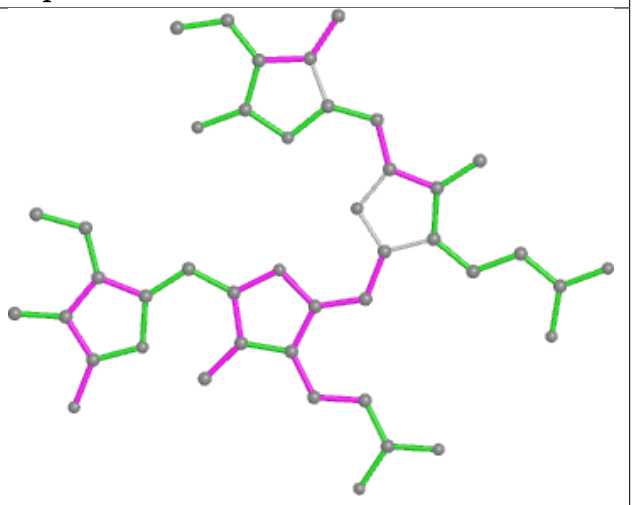

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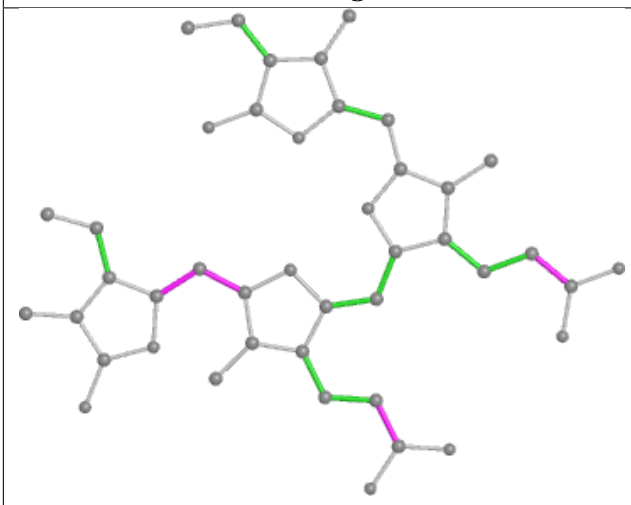

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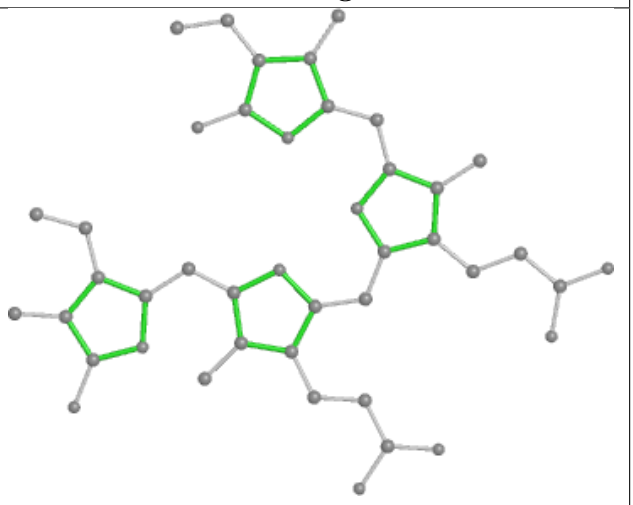
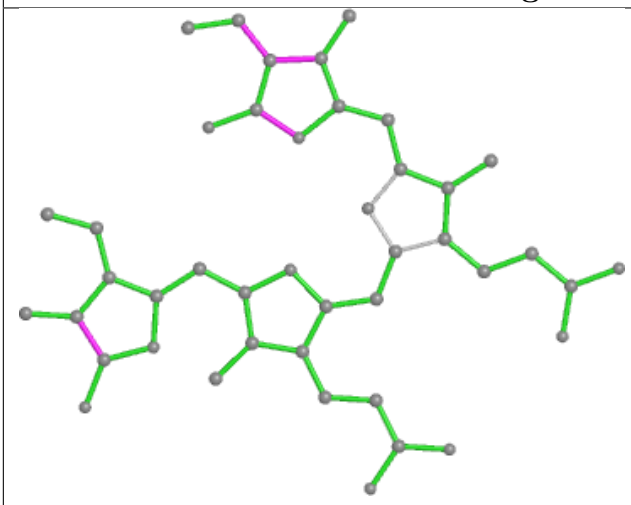


Rings

Ligand PEB t7 201



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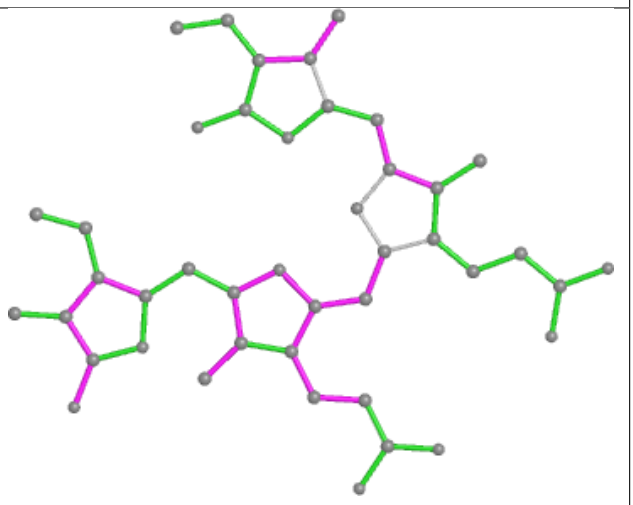

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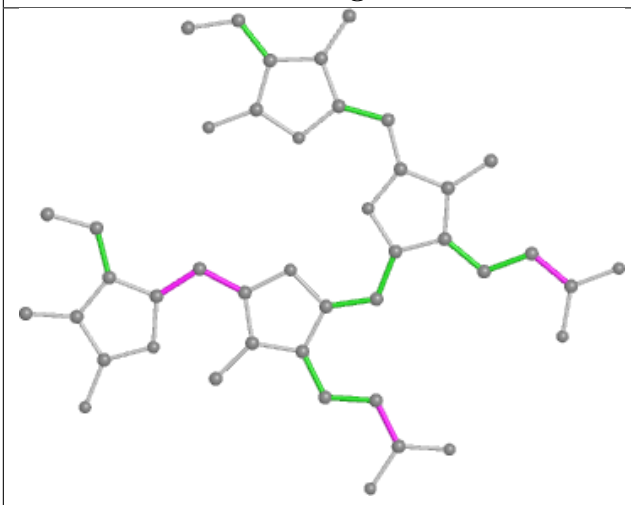

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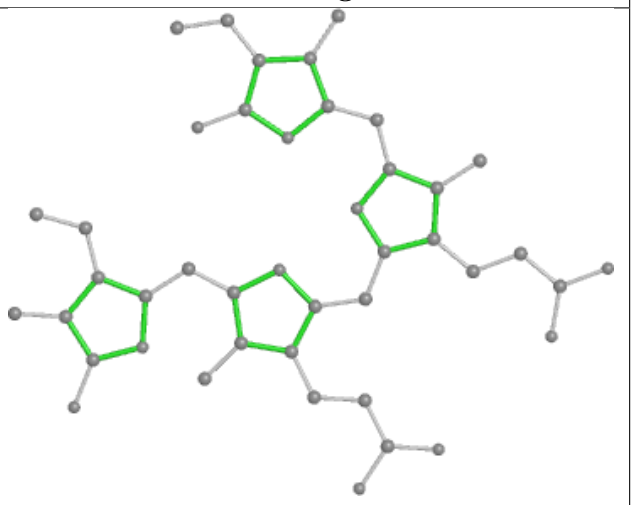
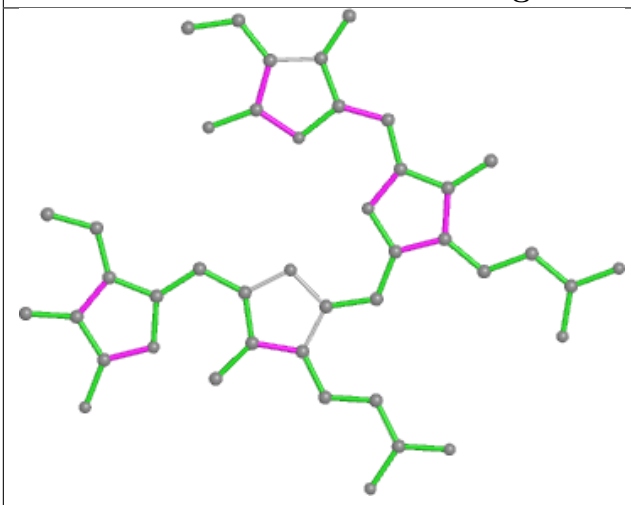


Rings

Ligand PUB G8 203



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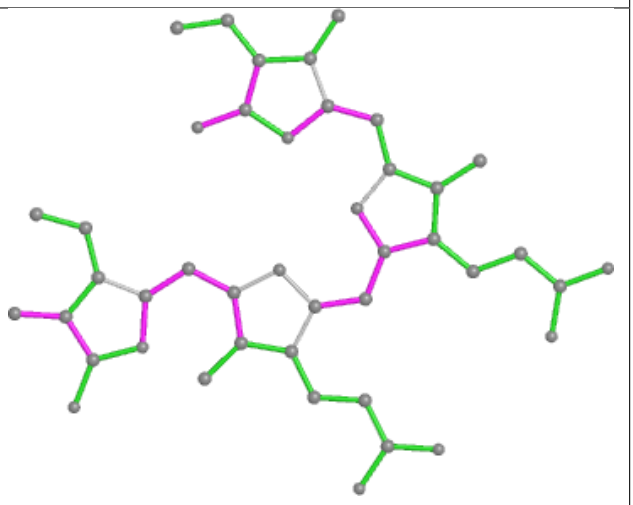

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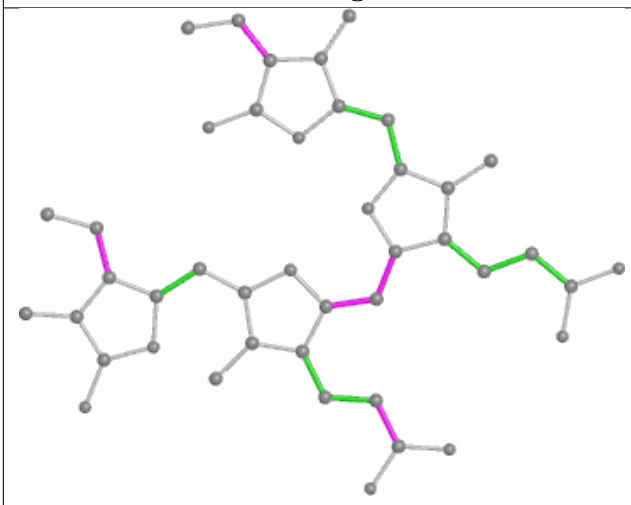

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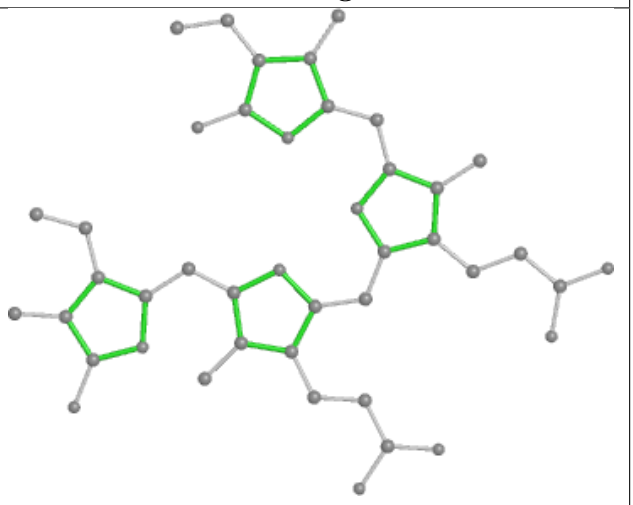
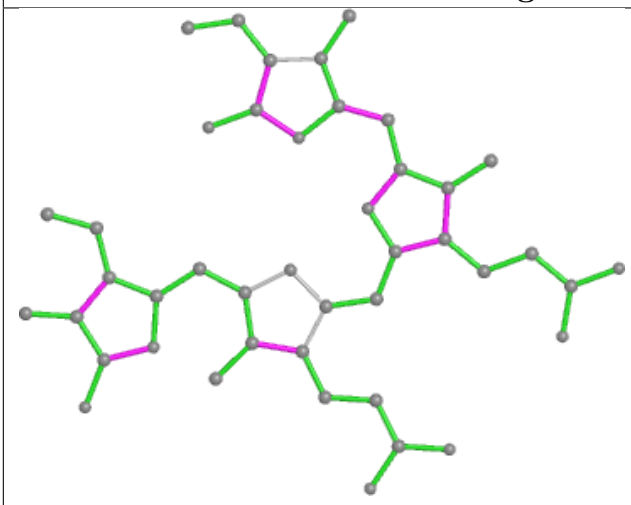


Rings

Ligand PUB y8 203



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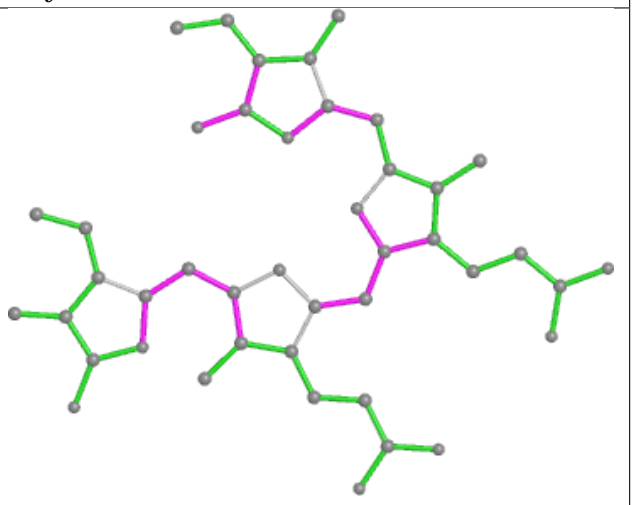

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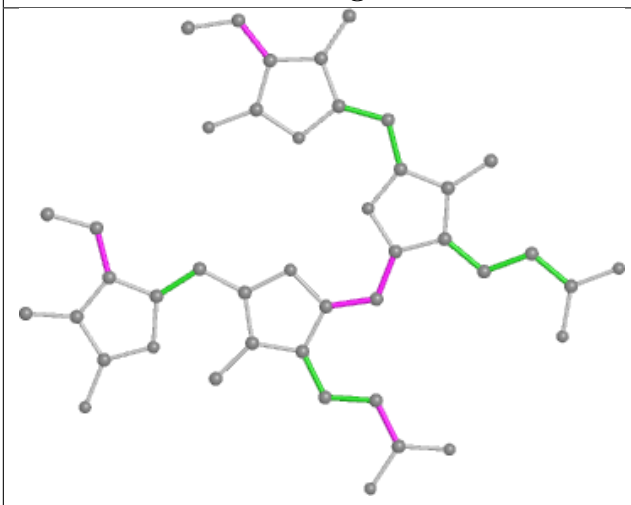

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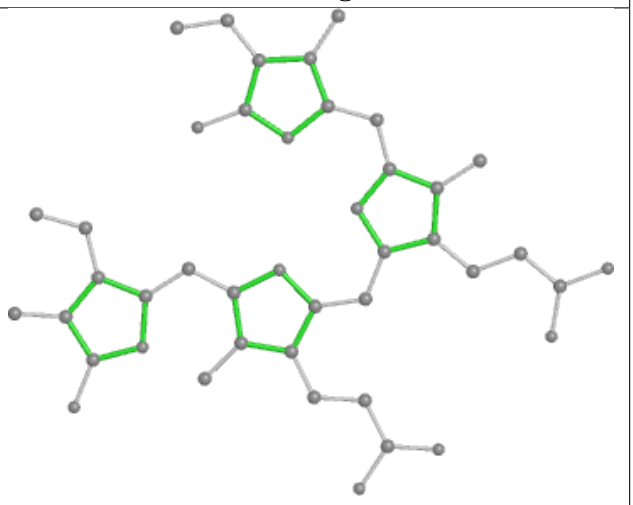
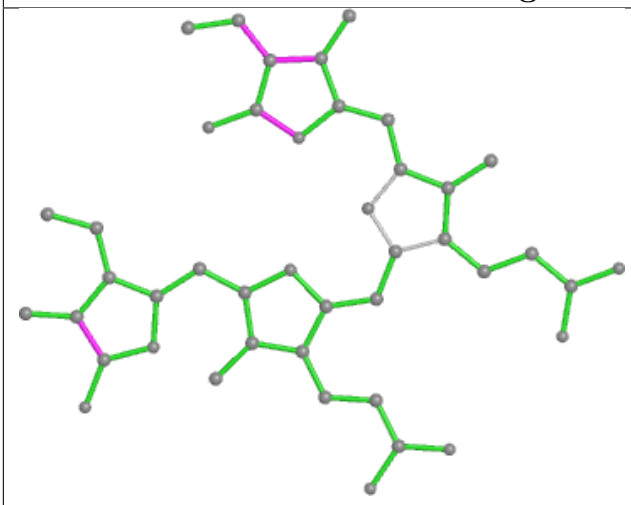


Rings

Ligand PEB fw 201



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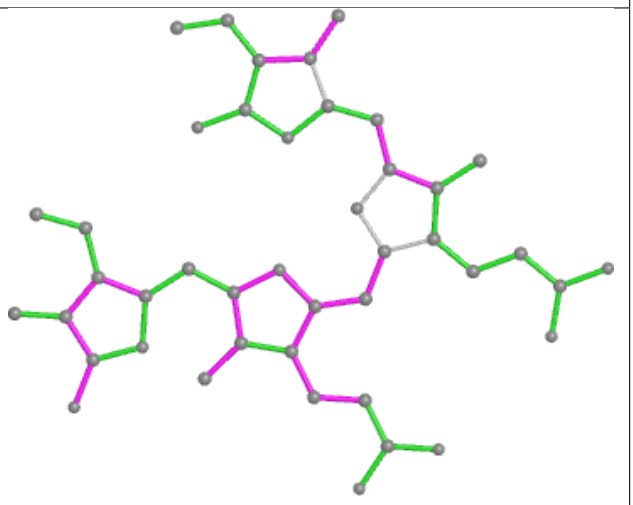

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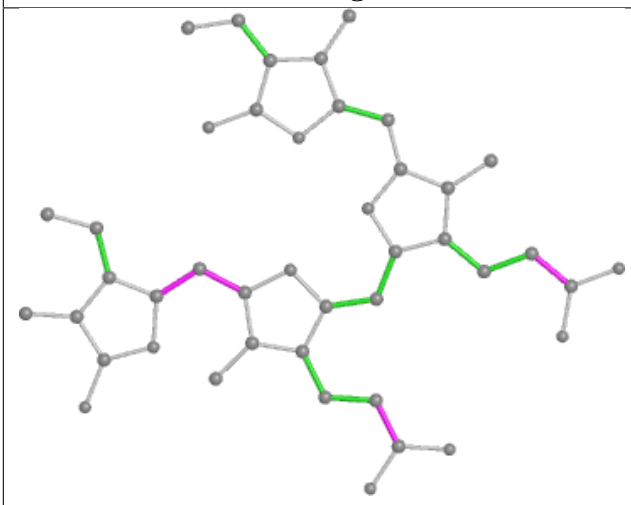

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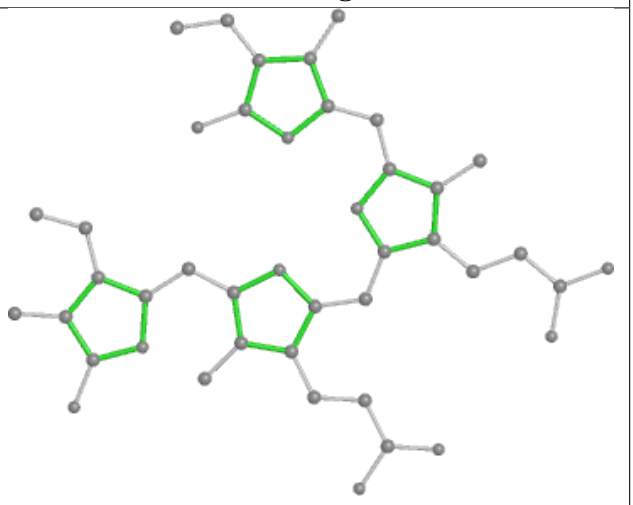
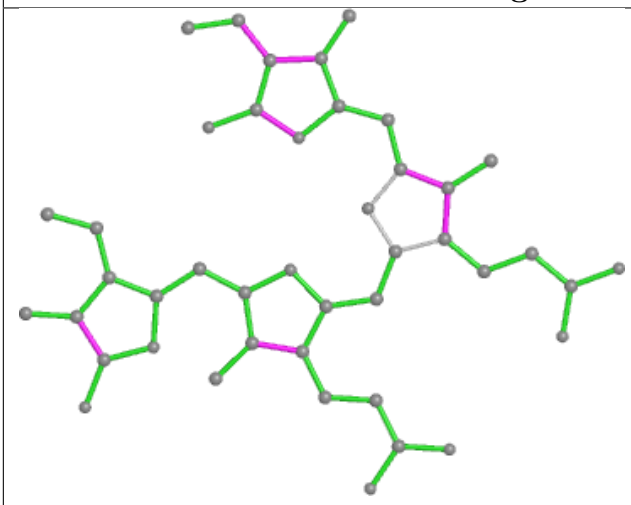


Rings

Ligand PEB 34 1002



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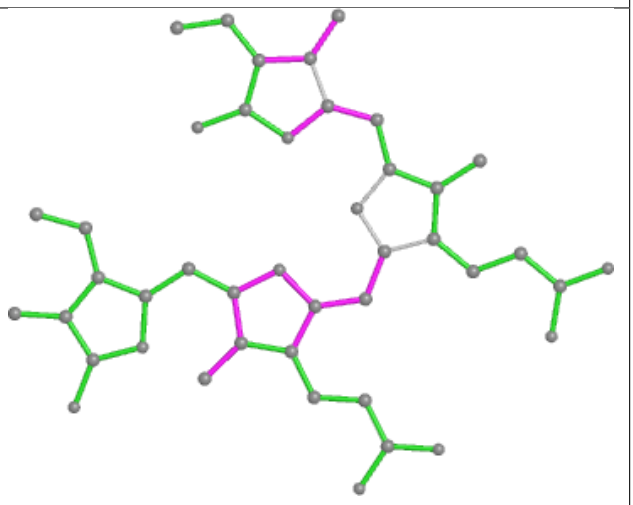

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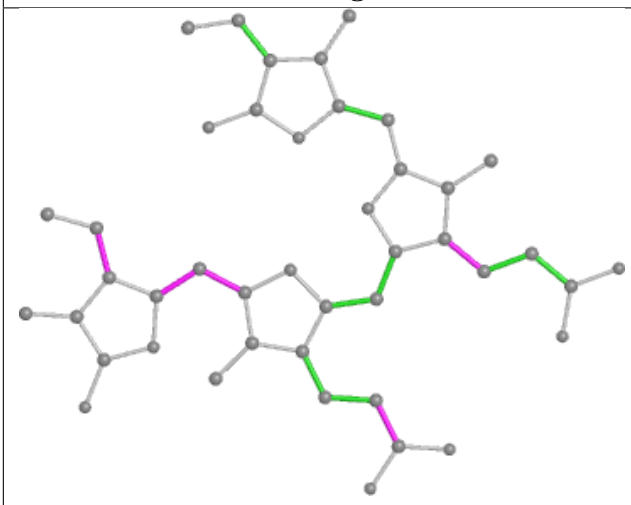

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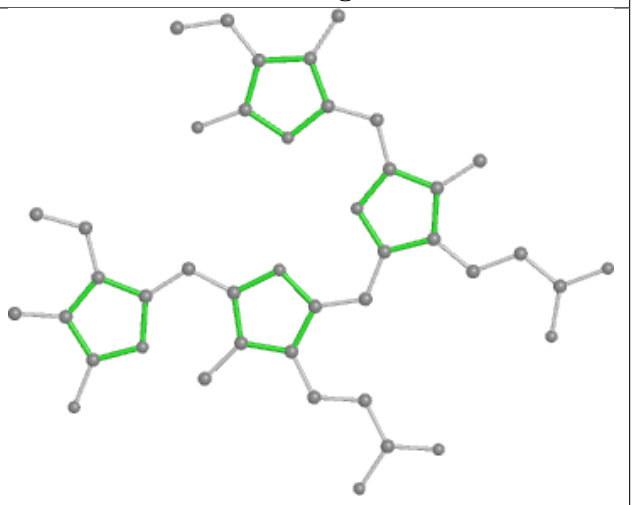
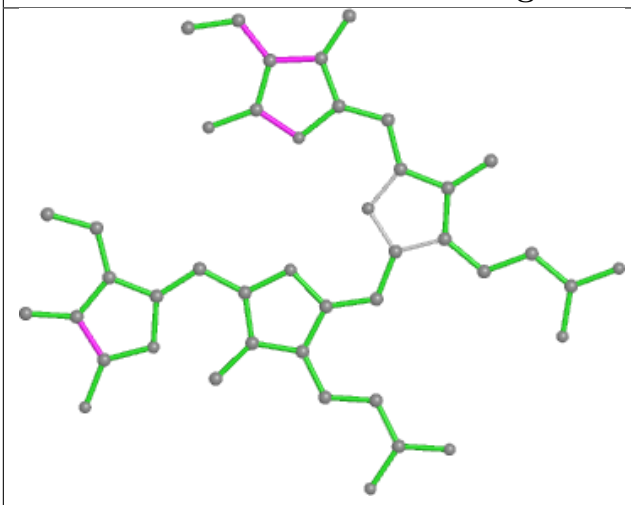


Rings

Ligand PEB E6 201



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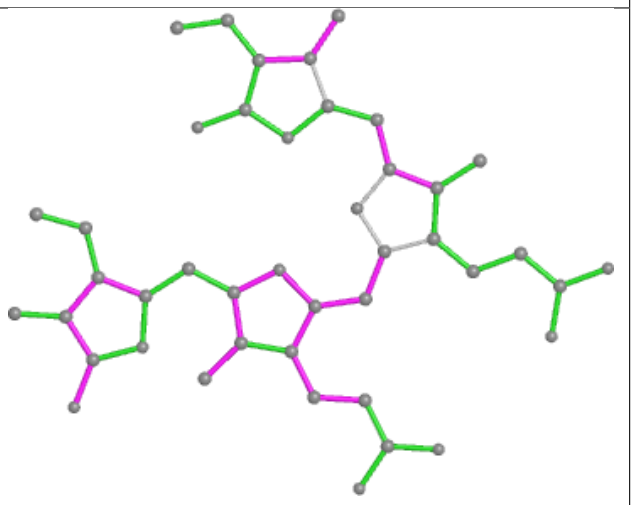

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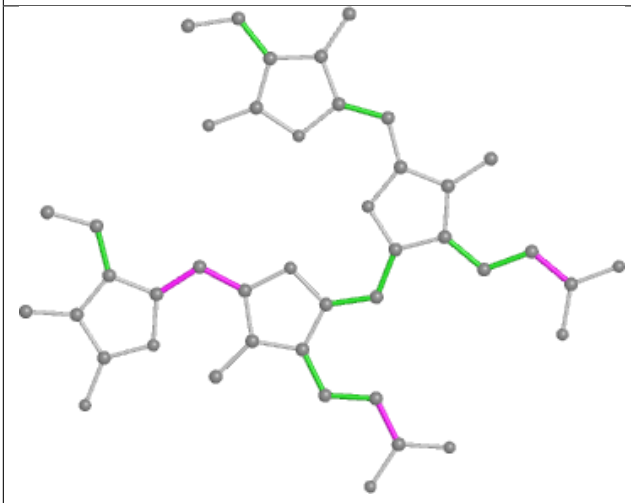

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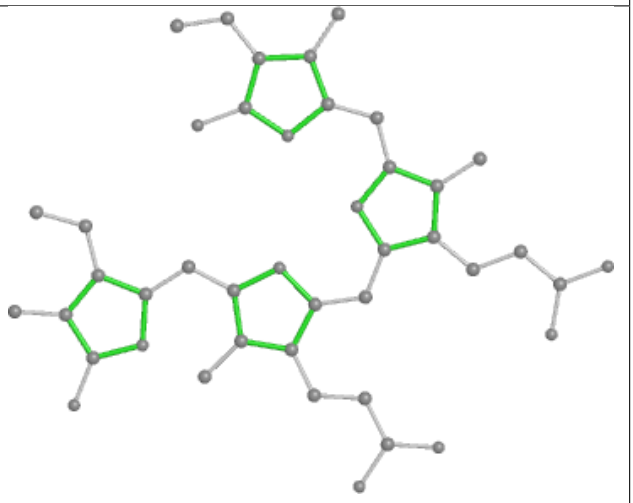
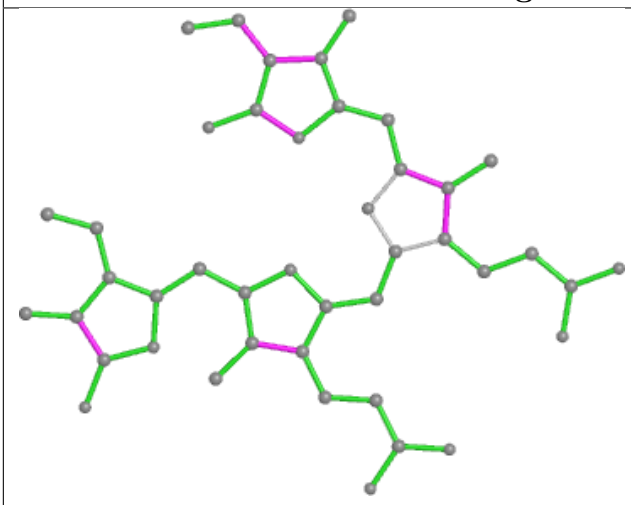


Rings

Ligand PEB aD 202



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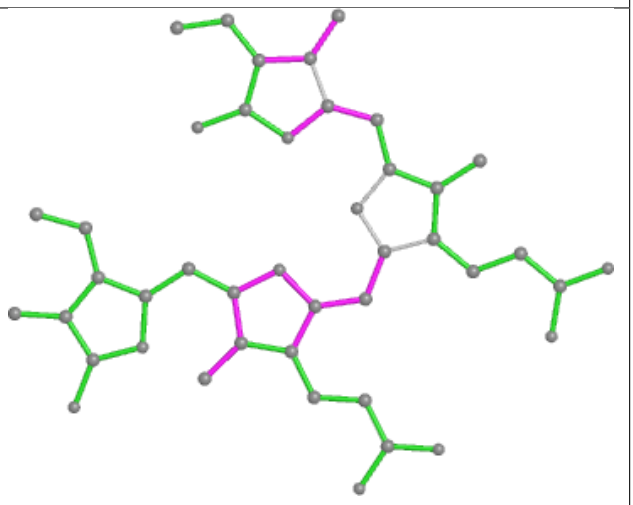
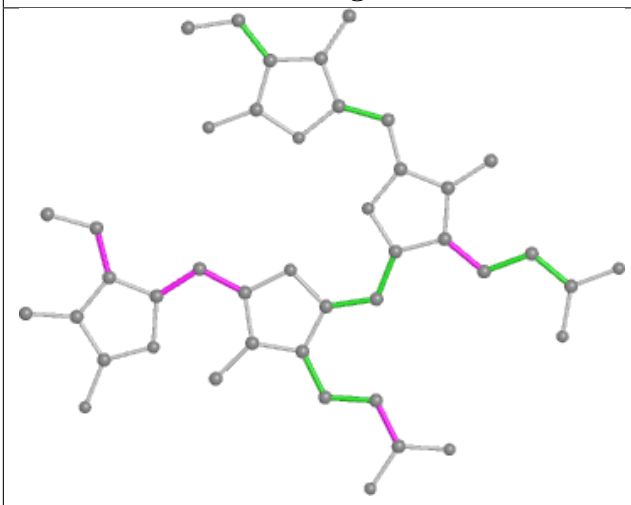
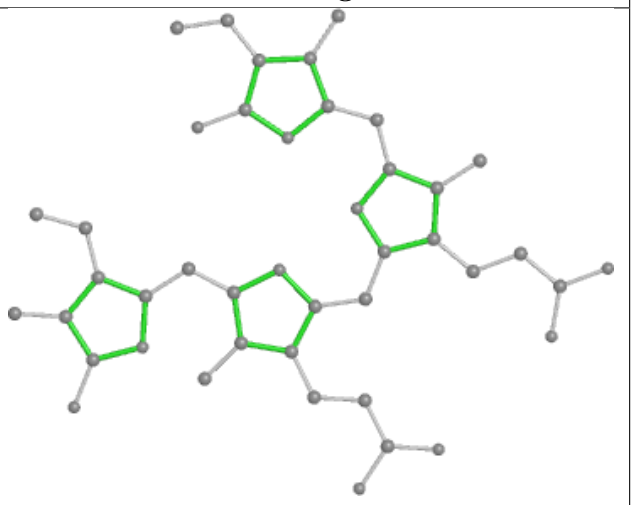


Bond angles

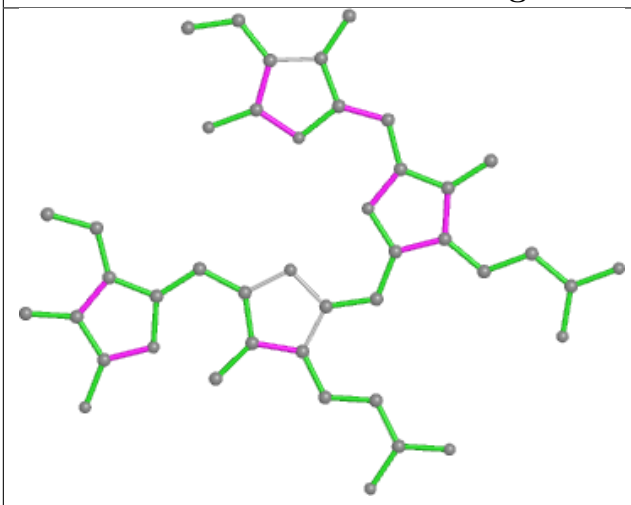


Torsions



Rings

Ligand PUB jP 1003



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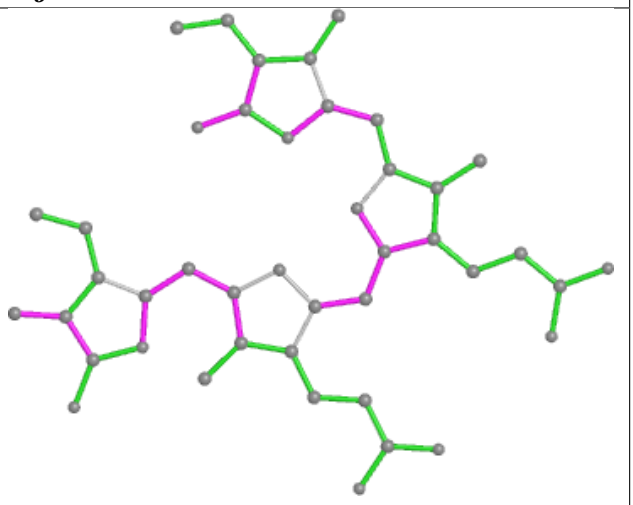

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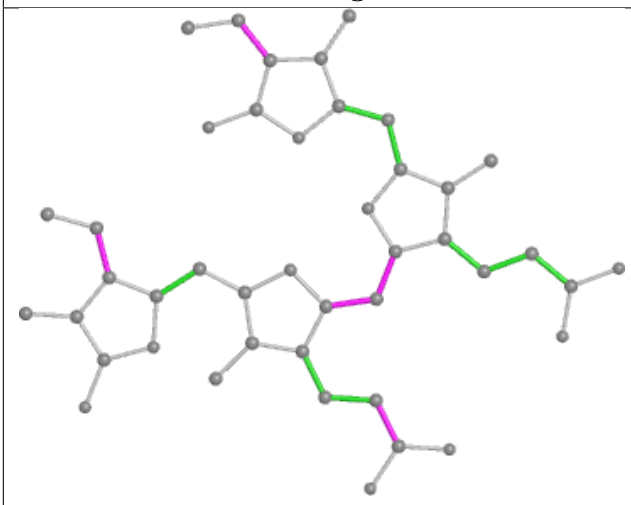

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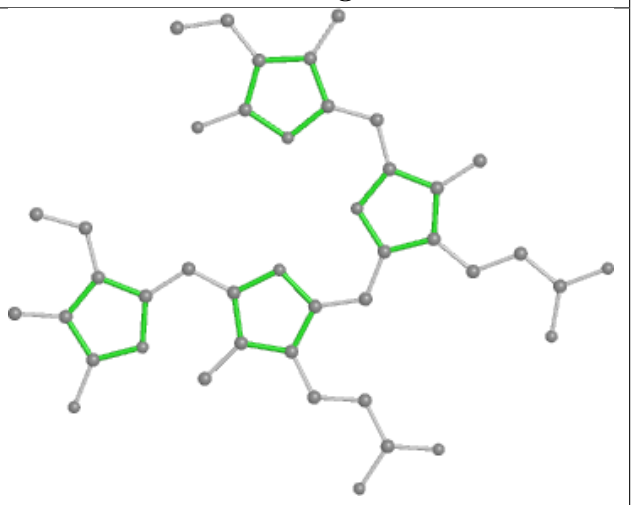
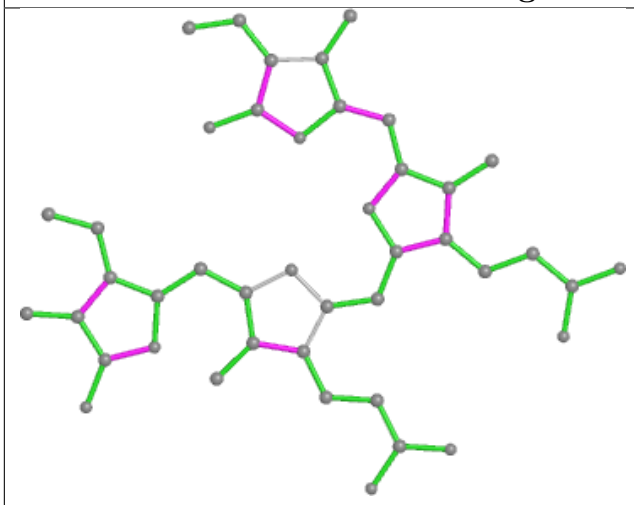


Rings

Ligand PUB J5 203



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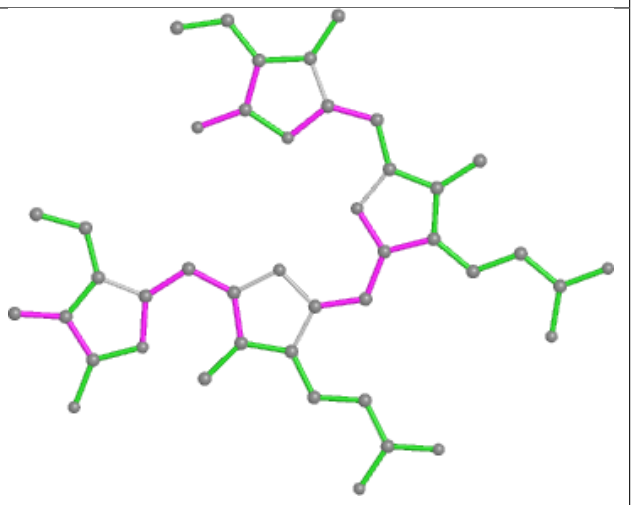

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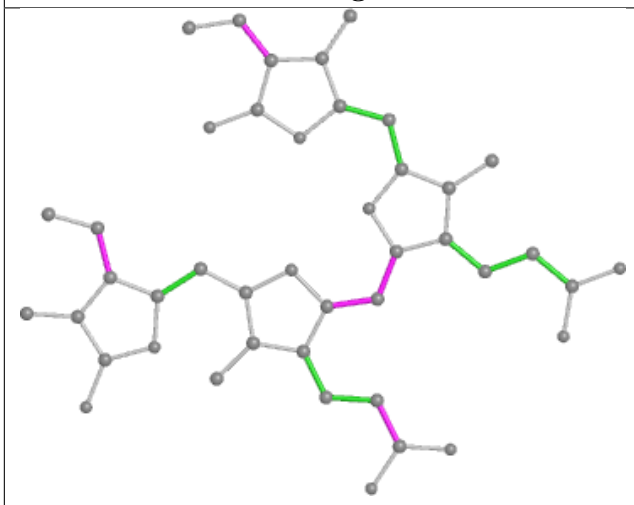

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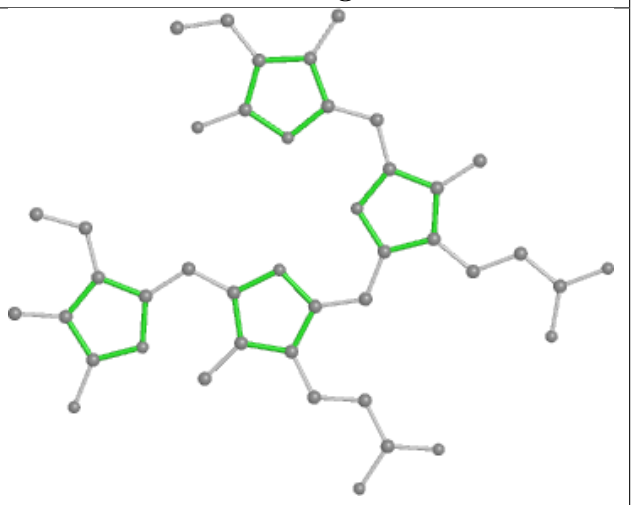
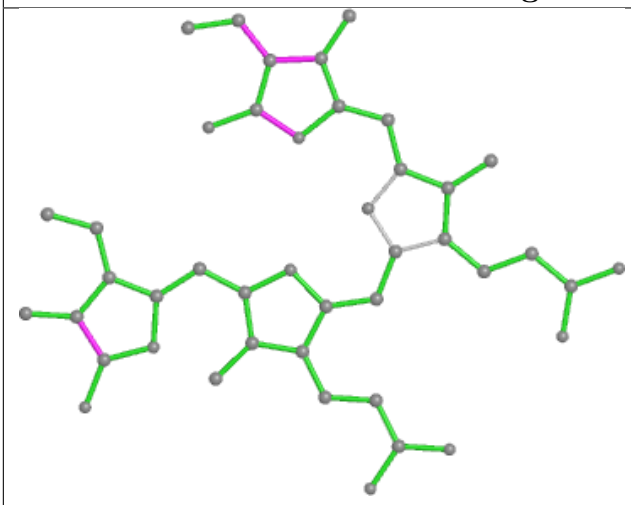


Rings

Ligand PEB r2 202



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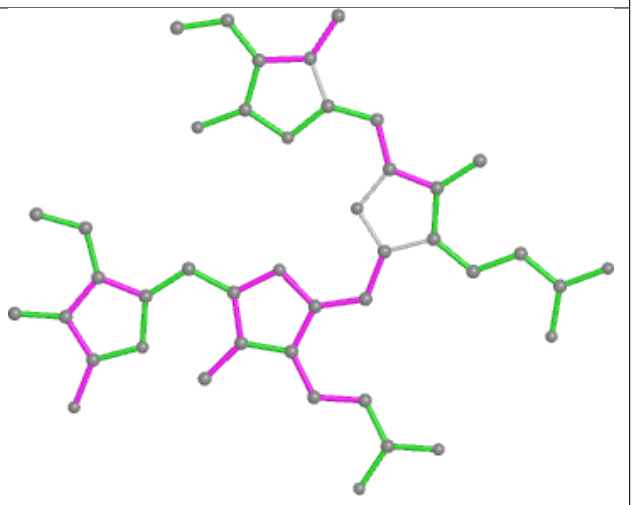
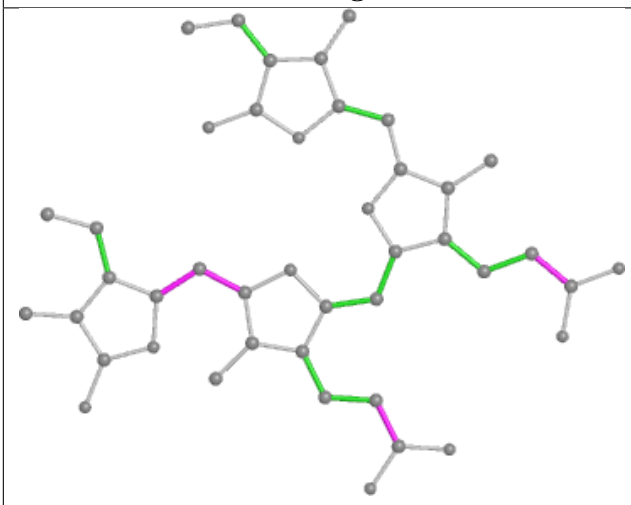


Bond angles



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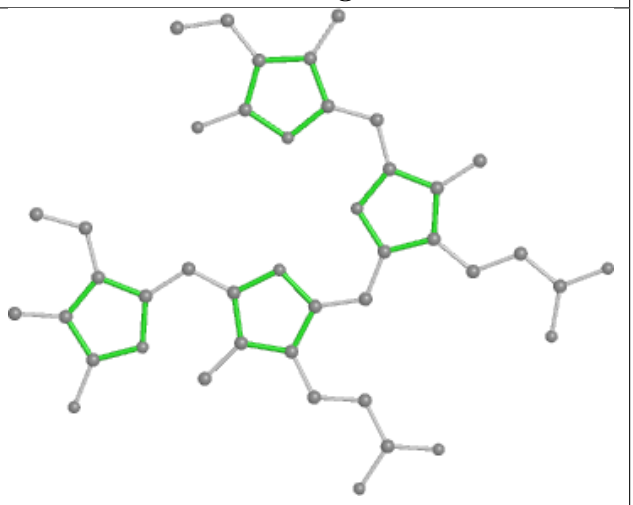
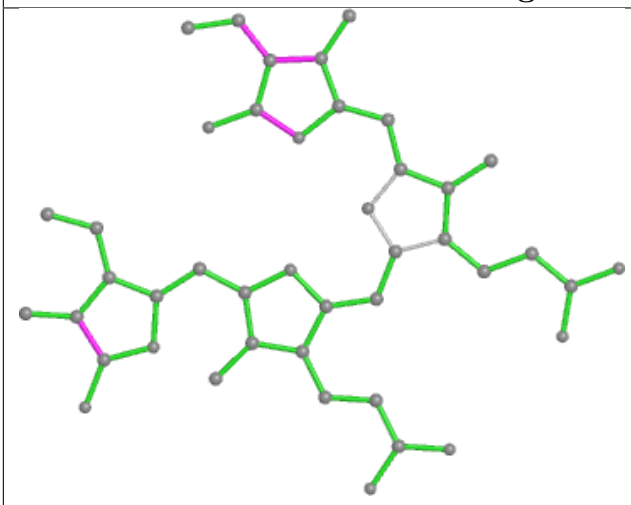


Rings

Ligand PEB dh 201



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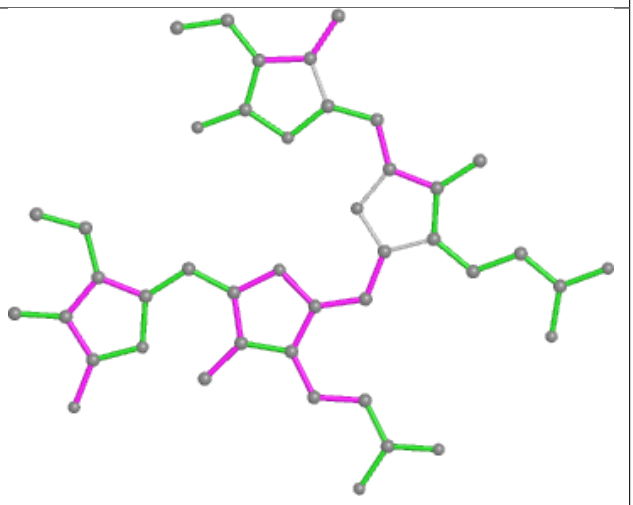

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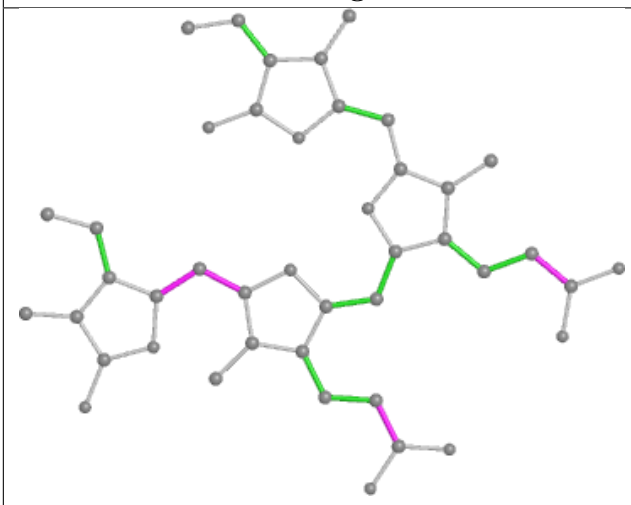

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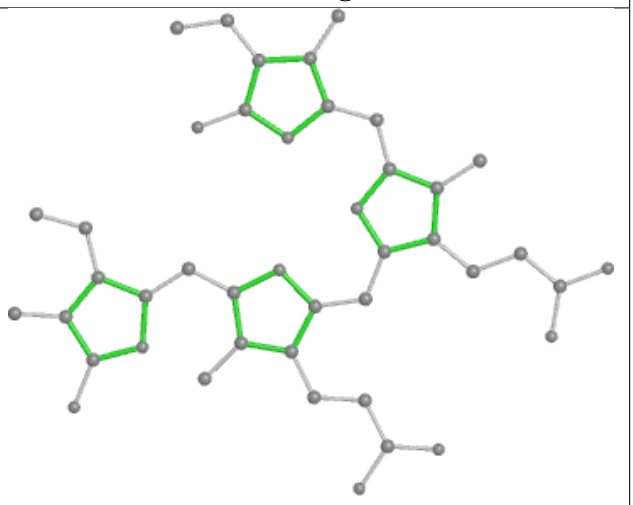
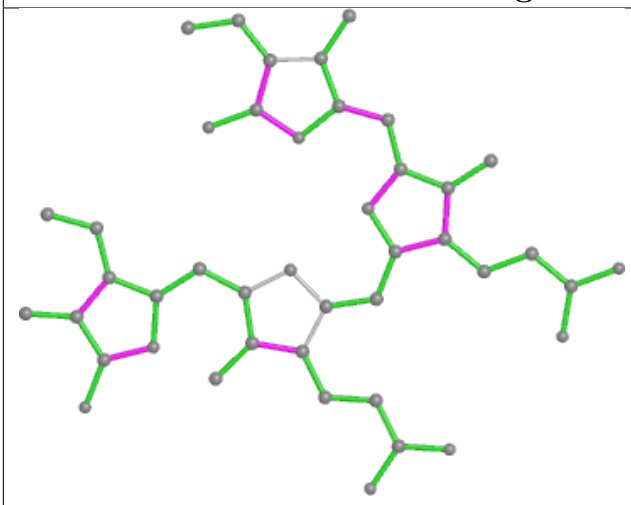


Rings

Ligand PUB F5 203



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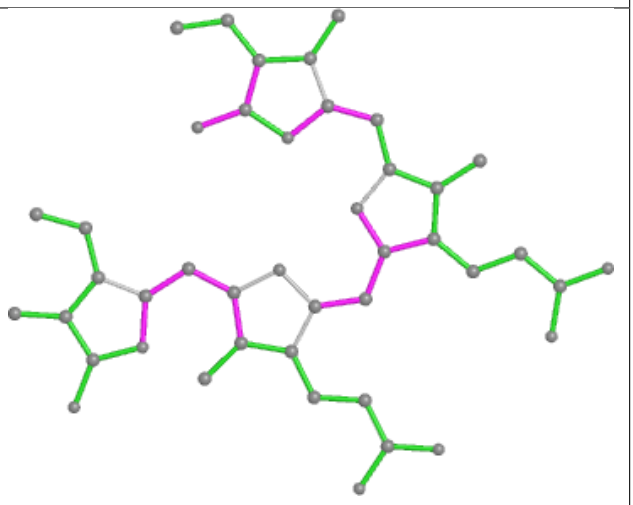

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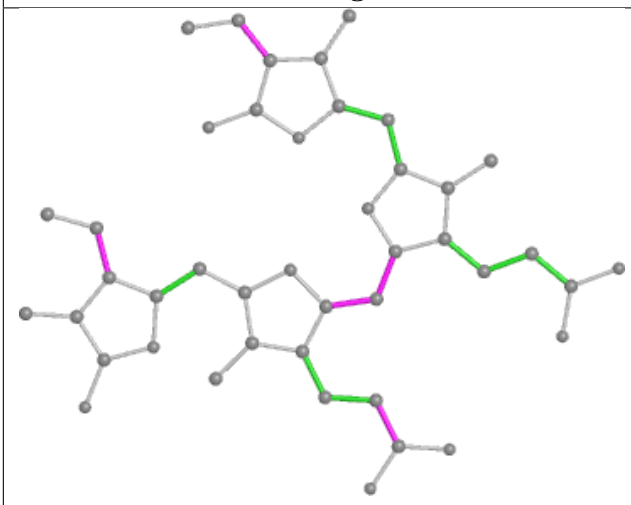

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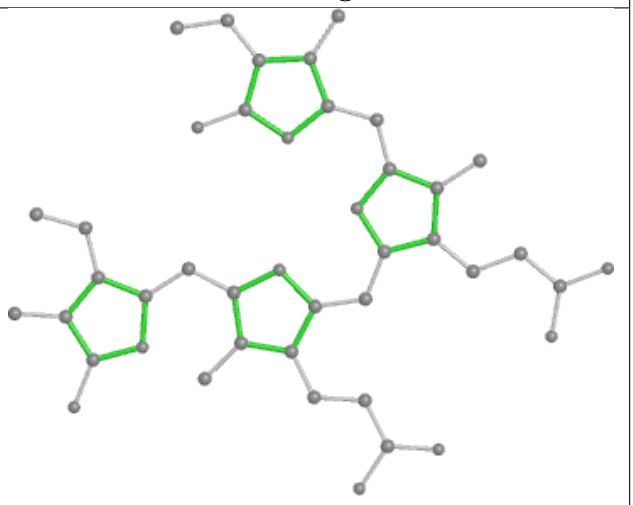
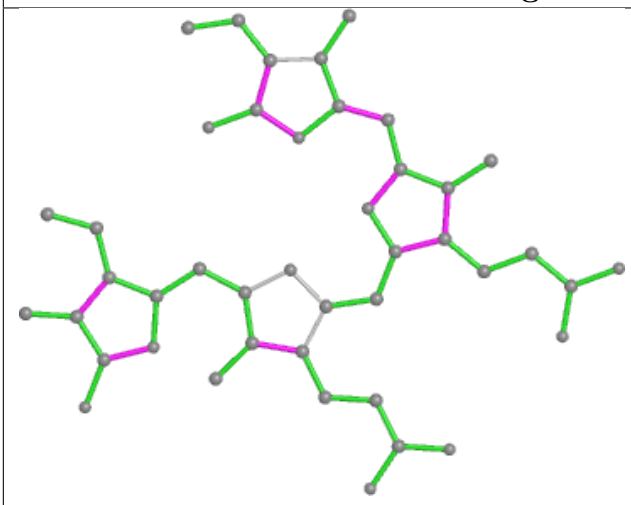


Rings

Ligand PUB l2 203



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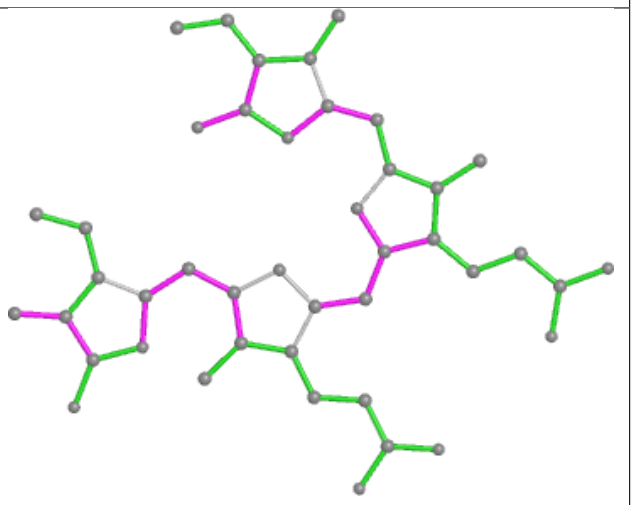

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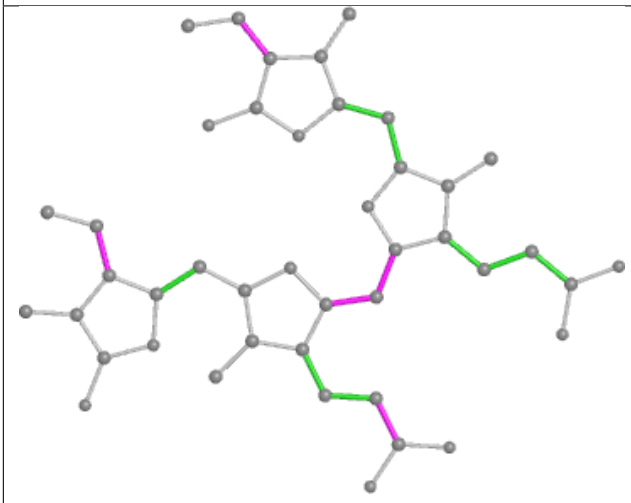

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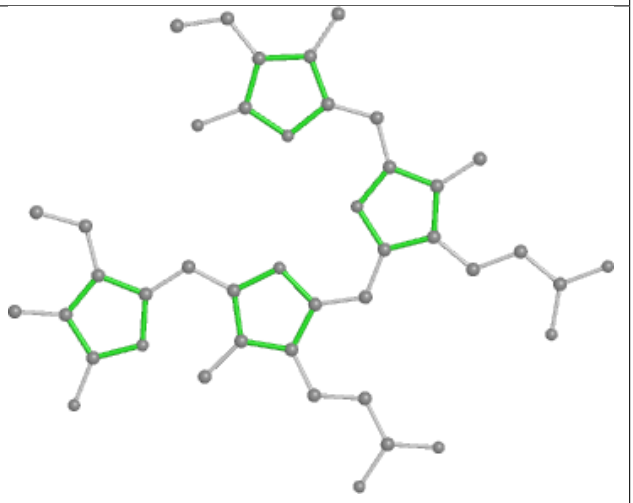
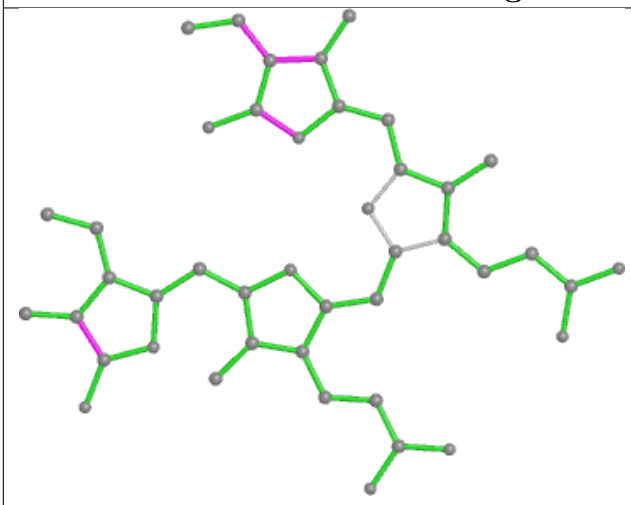


Rings

Ligand PEB bK 1001



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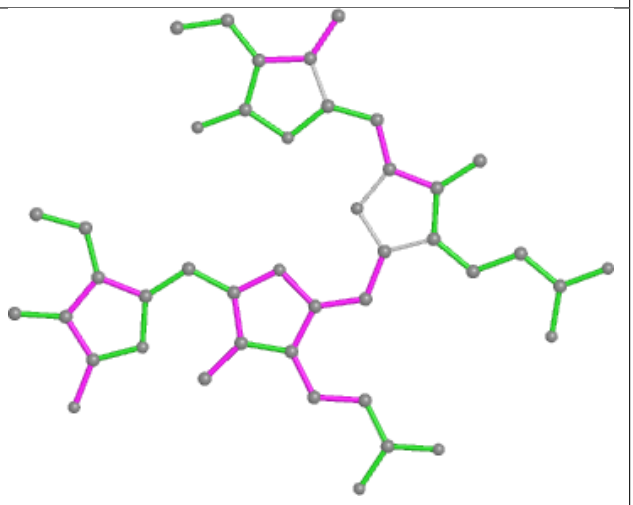

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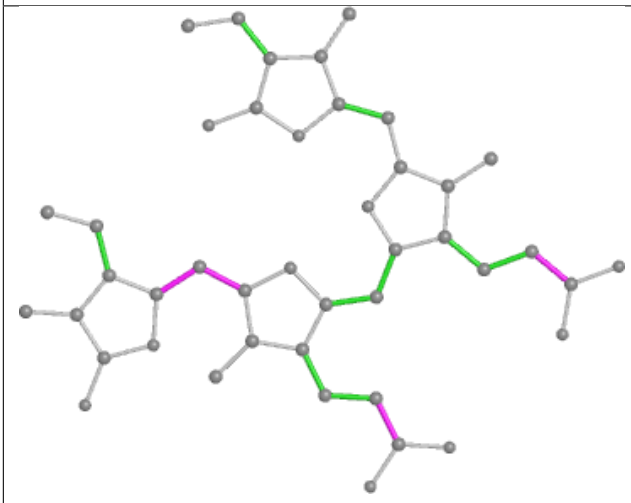

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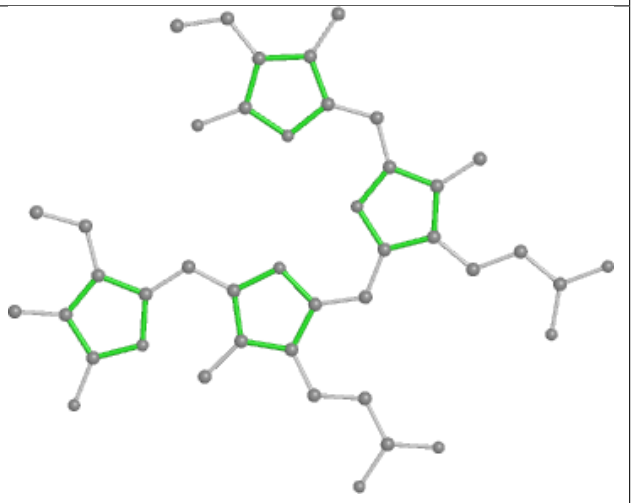
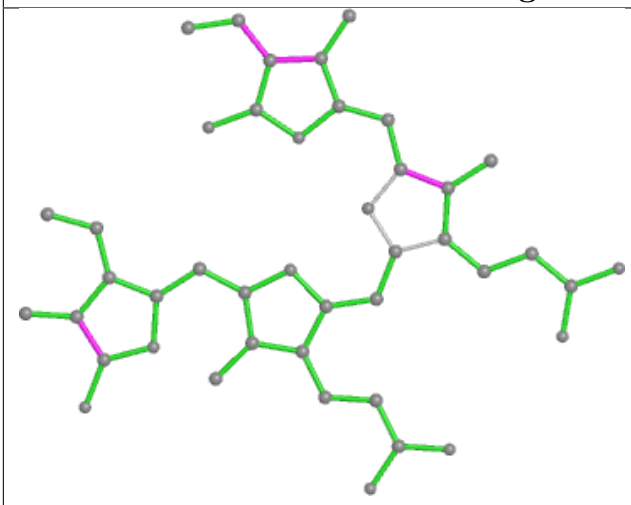


Rings

Ligand PEB S3 202



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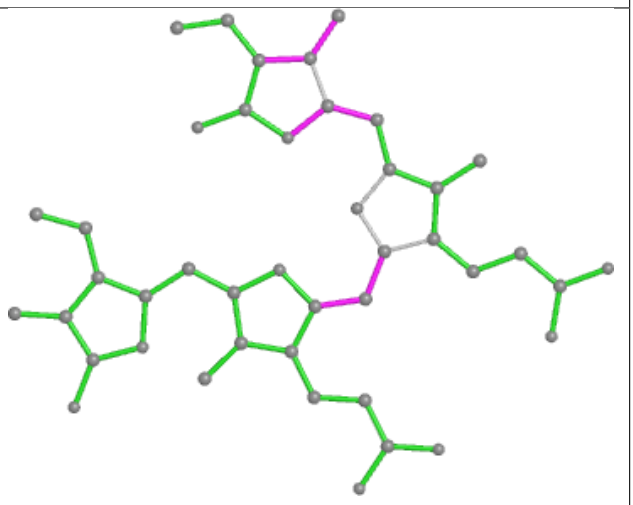

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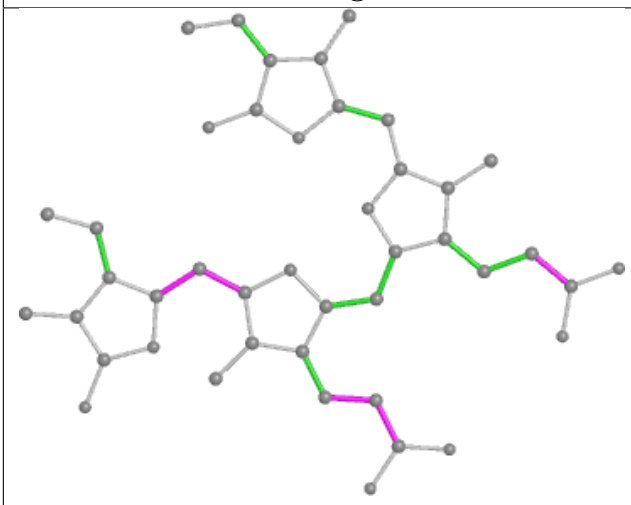

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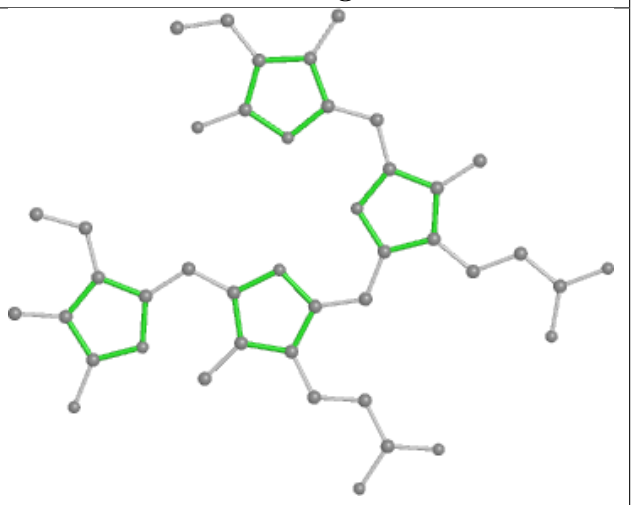
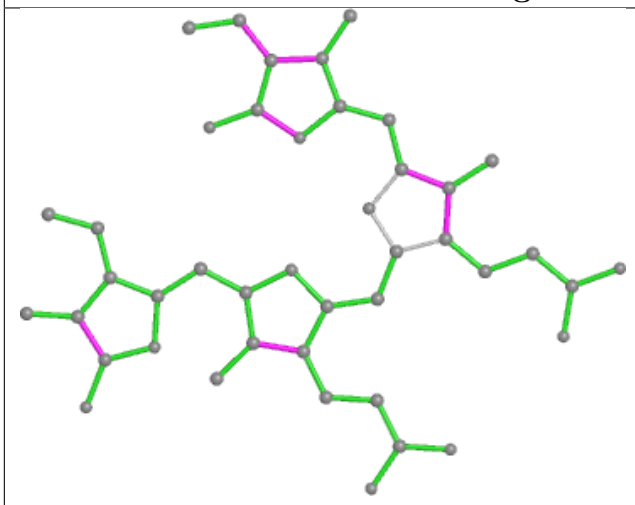


Rings

Ligand PEB jL 1002



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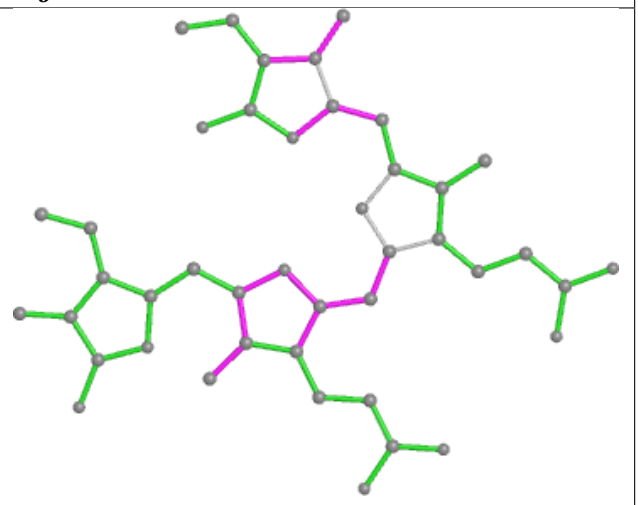

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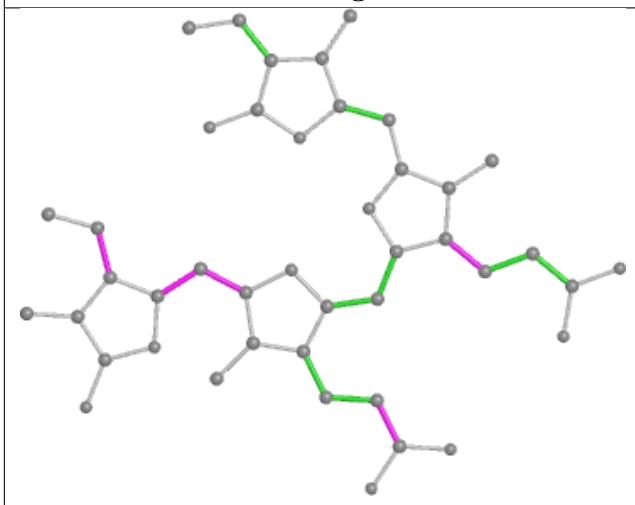

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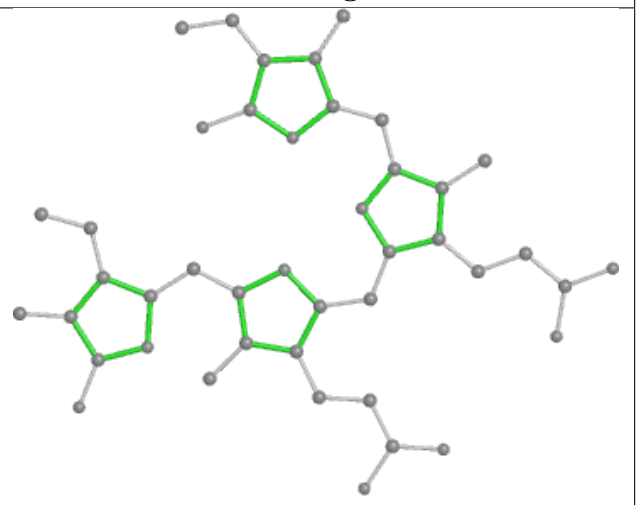

Rings

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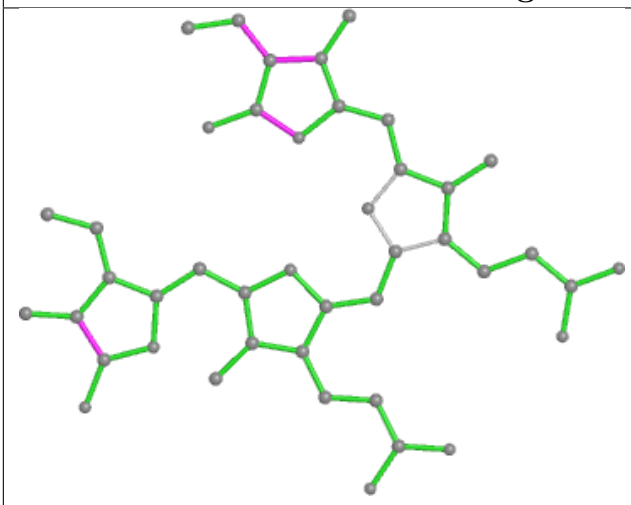

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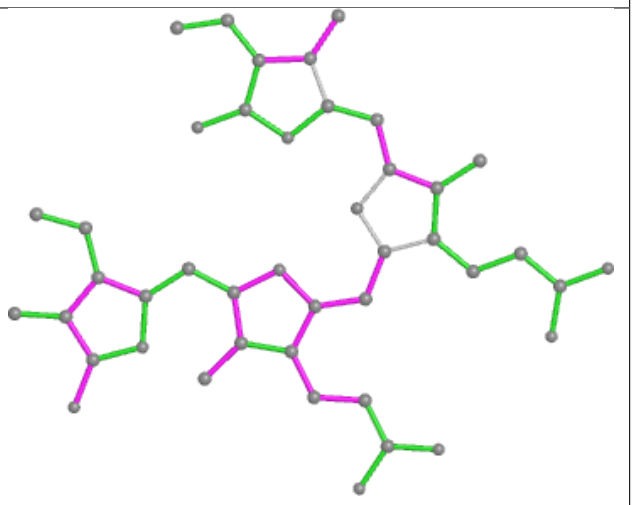

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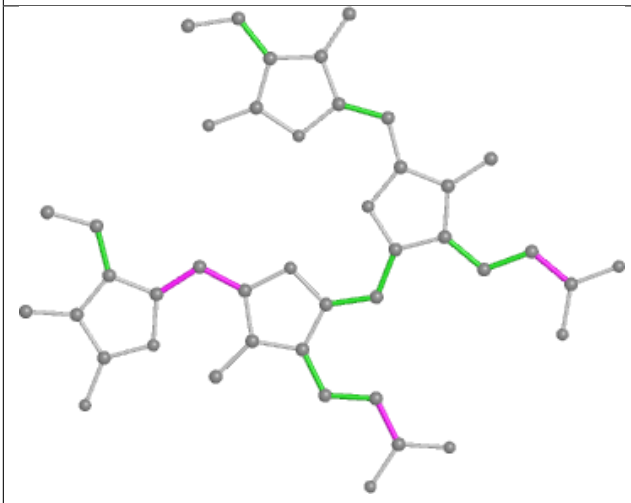

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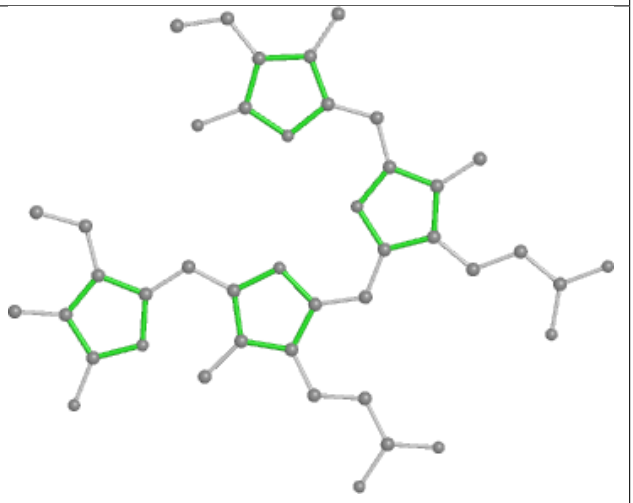
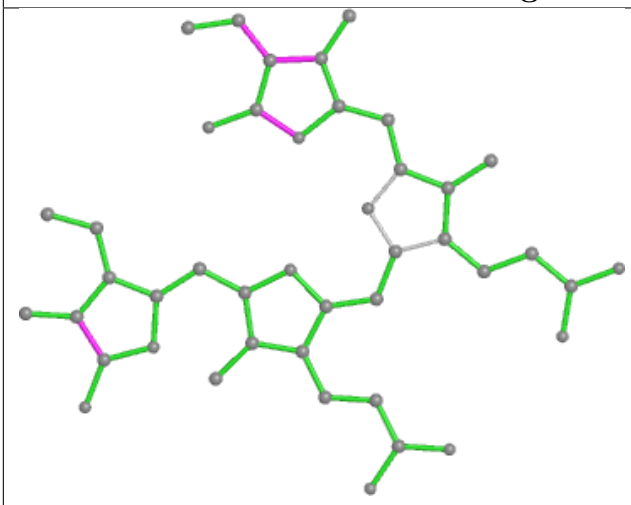


Rings

Ligand PEB z8 202



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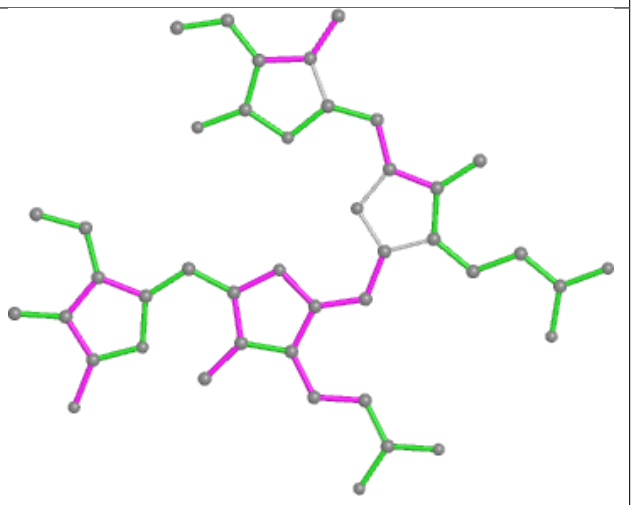

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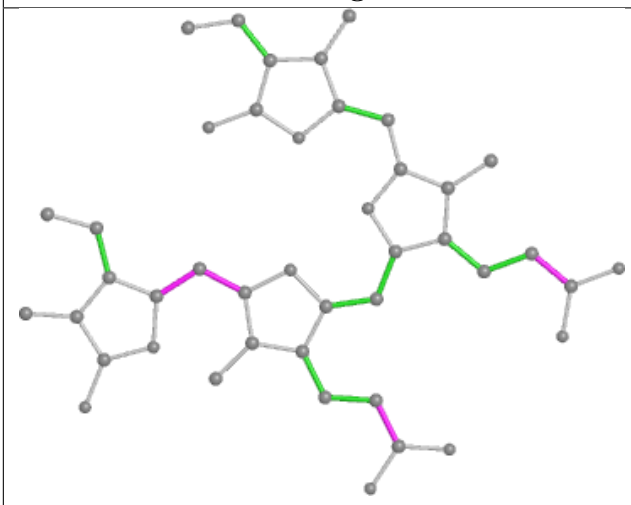

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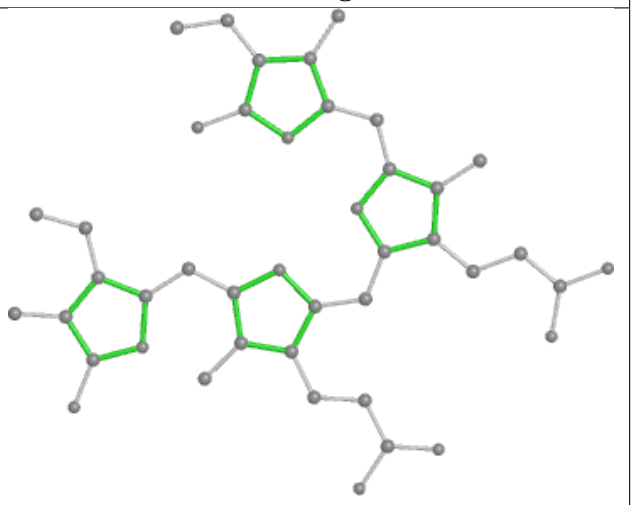
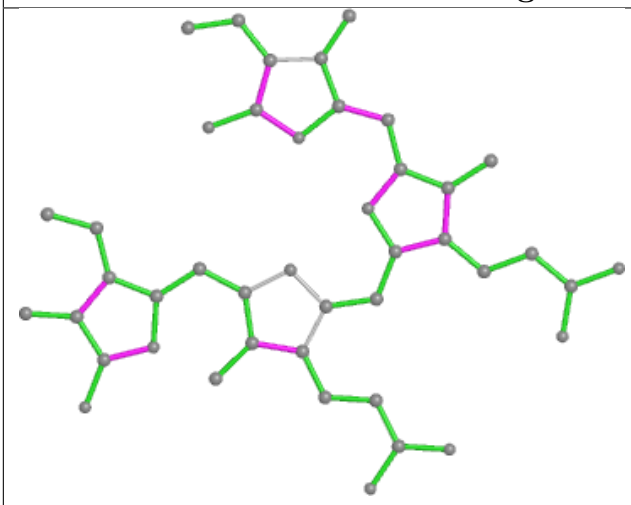


Rings

Ligand PUB gv 203



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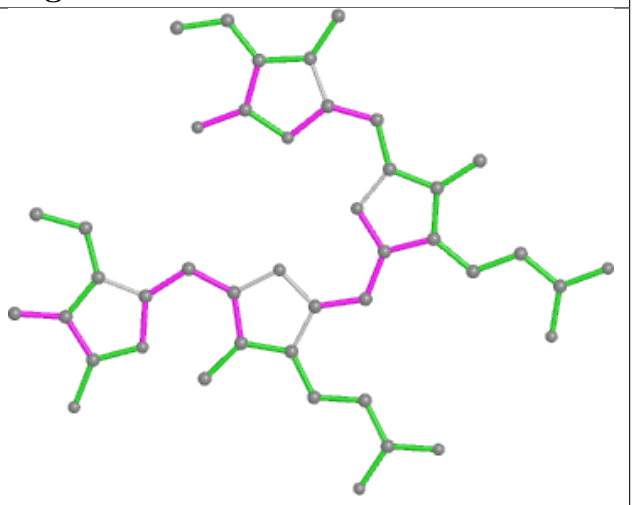

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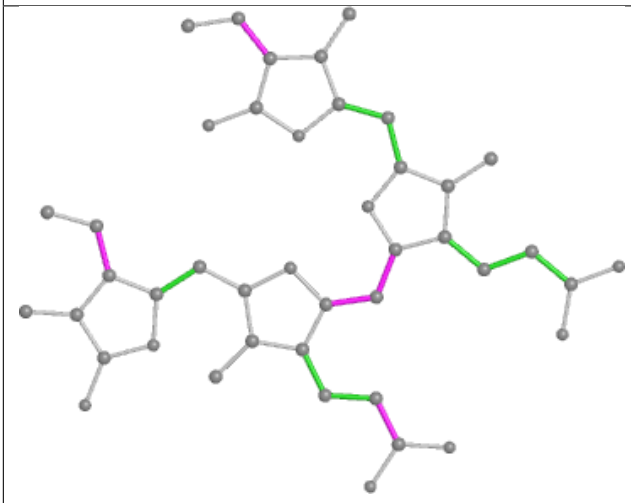

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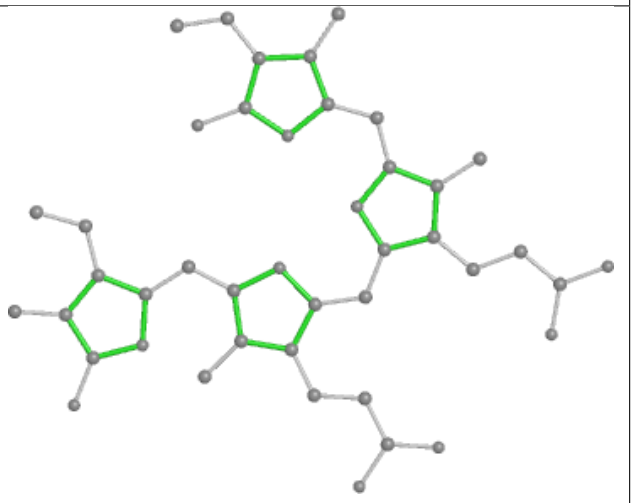
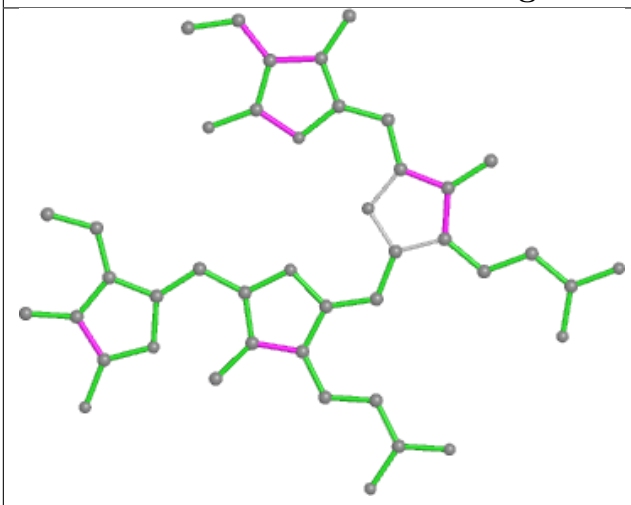


Rings

Ligand PEB p4 202



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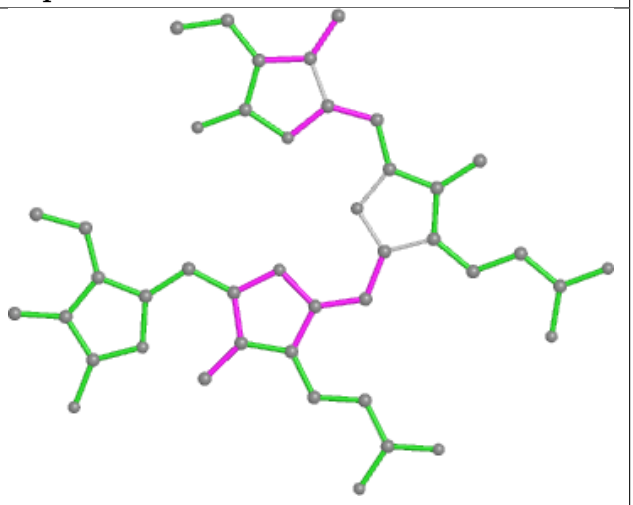
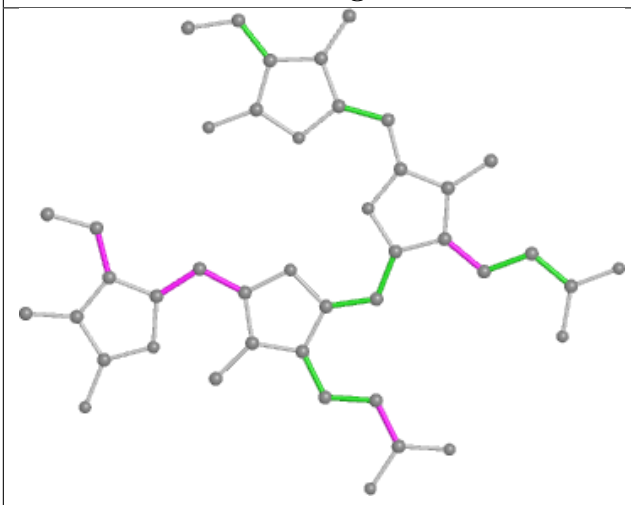
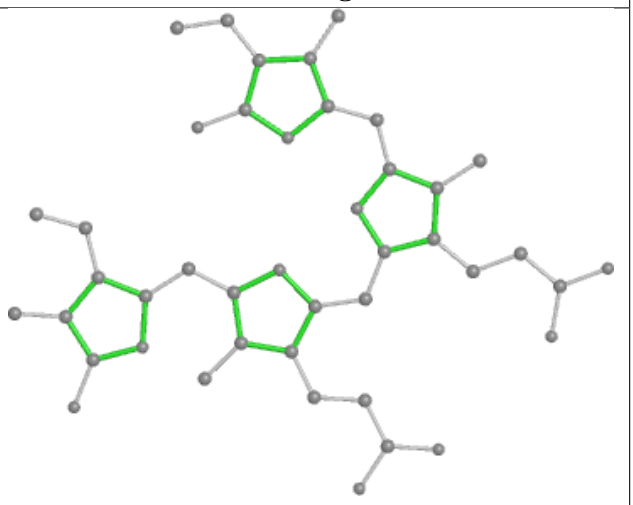


Bond angles

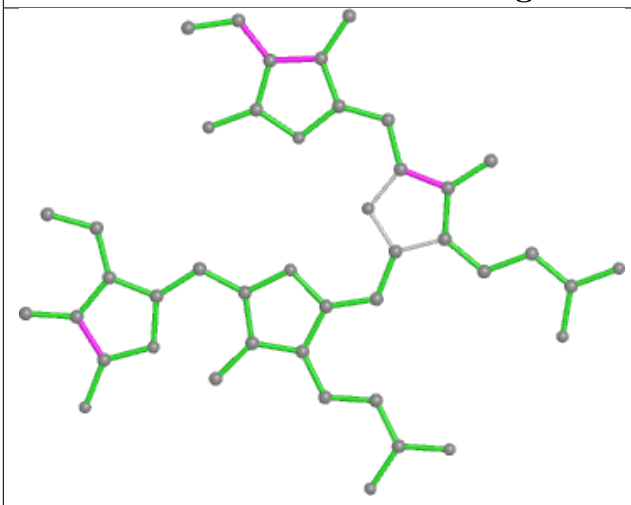


Torsions



Rings

Ligand PEB A4 202



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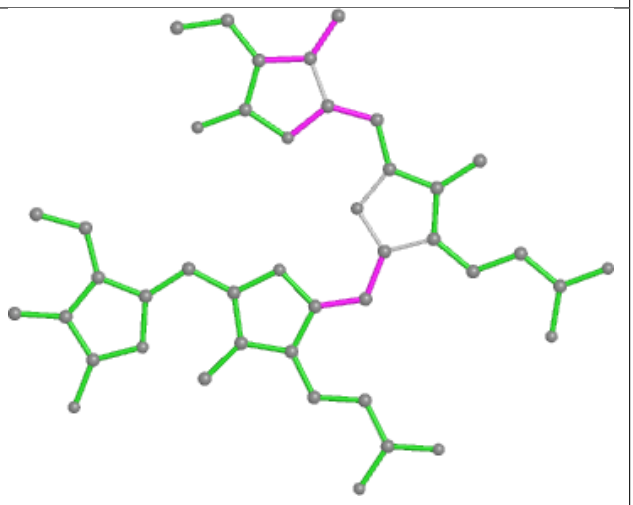

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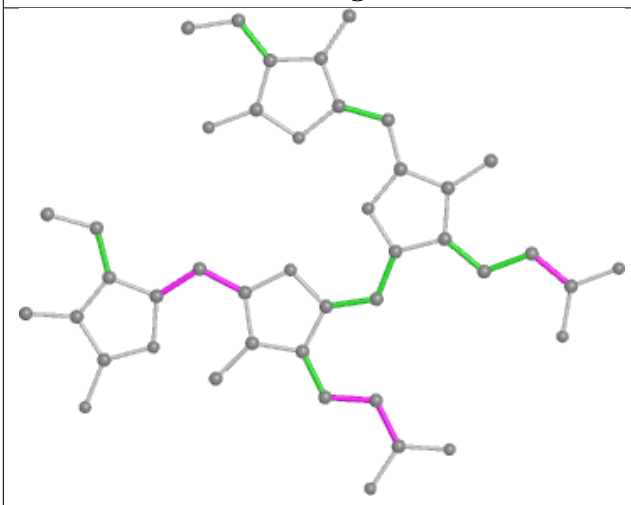

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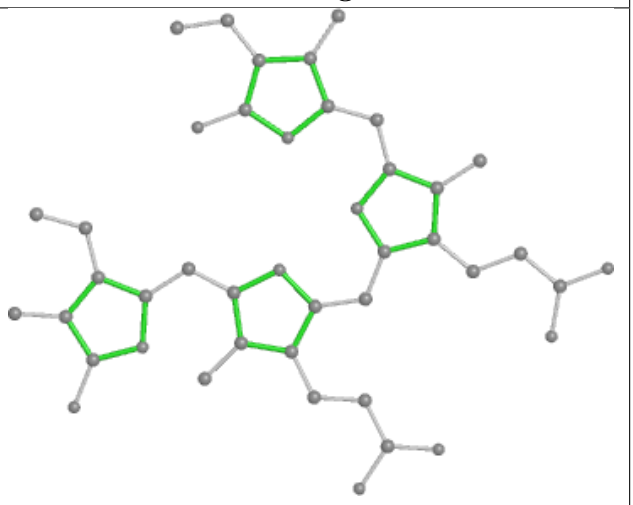

Rings

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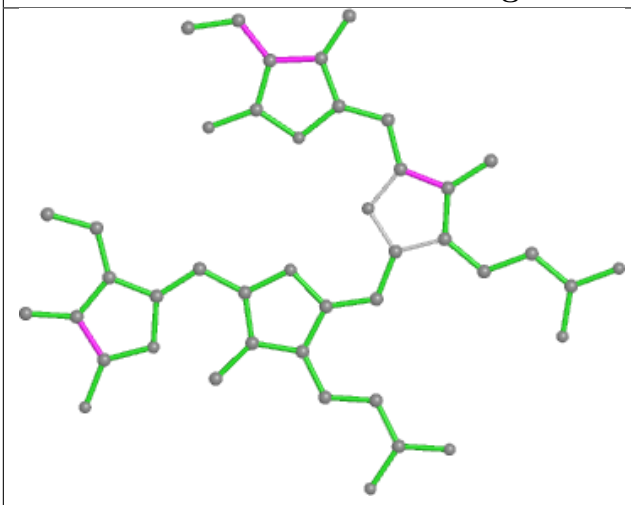

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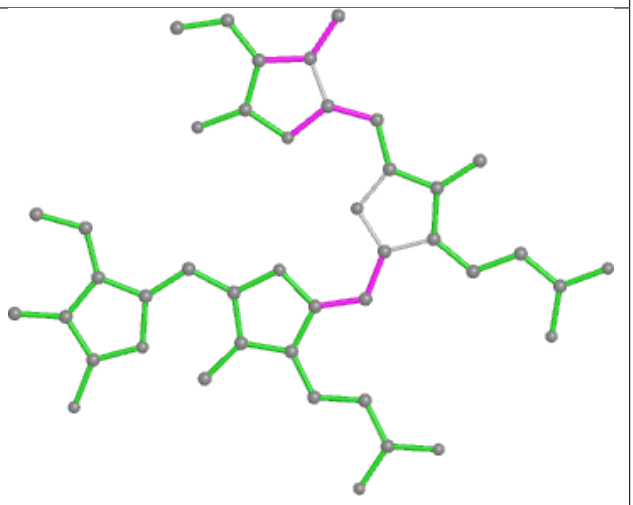

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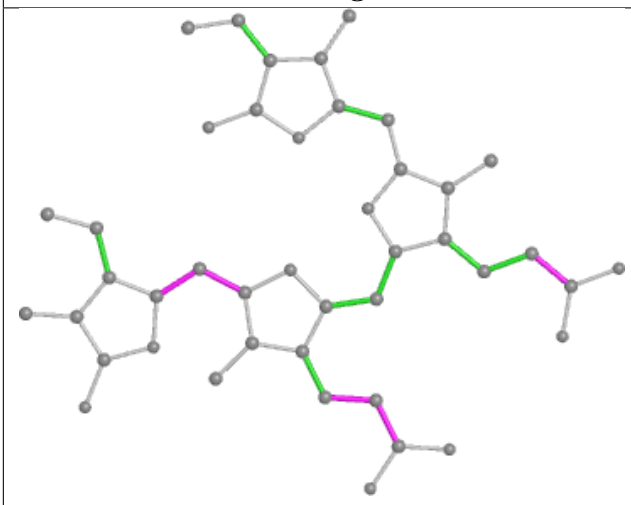

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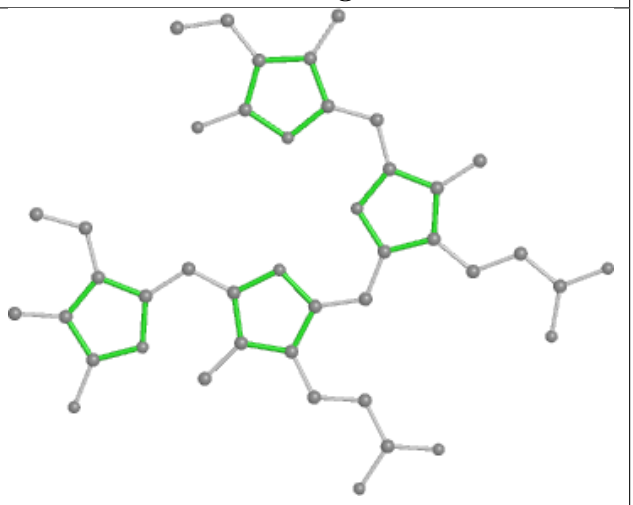

Rings

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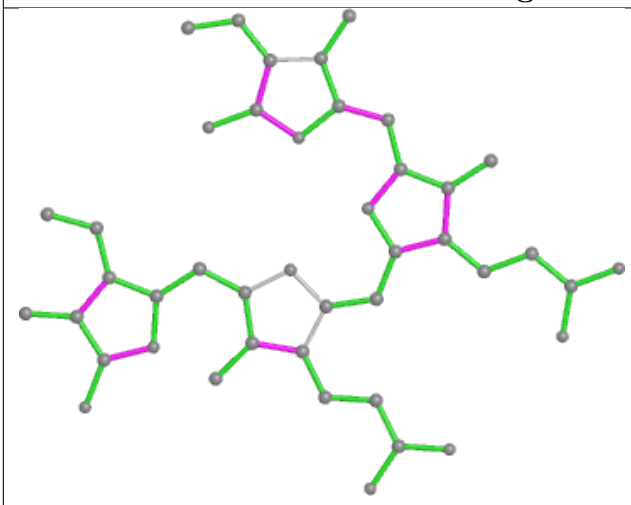

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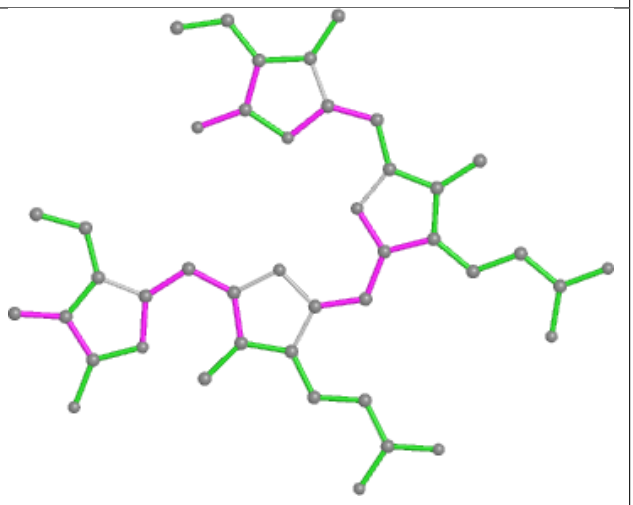

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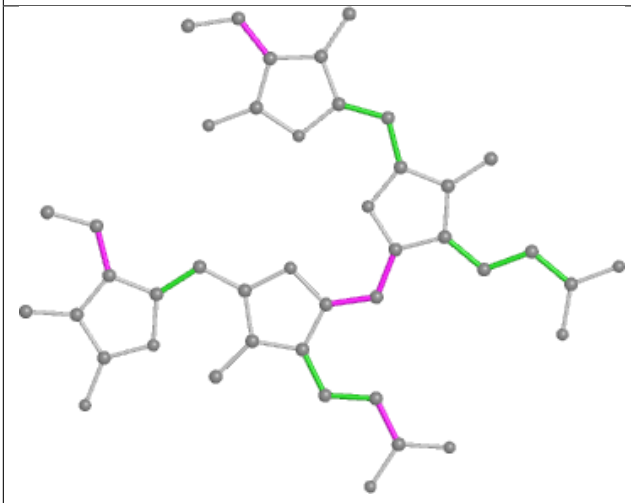

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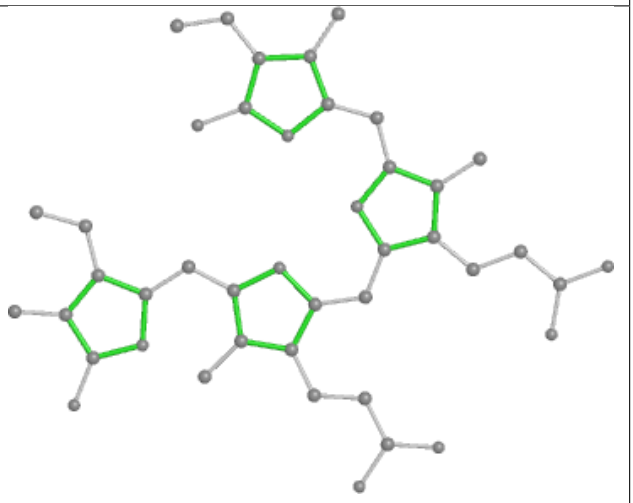

Rings

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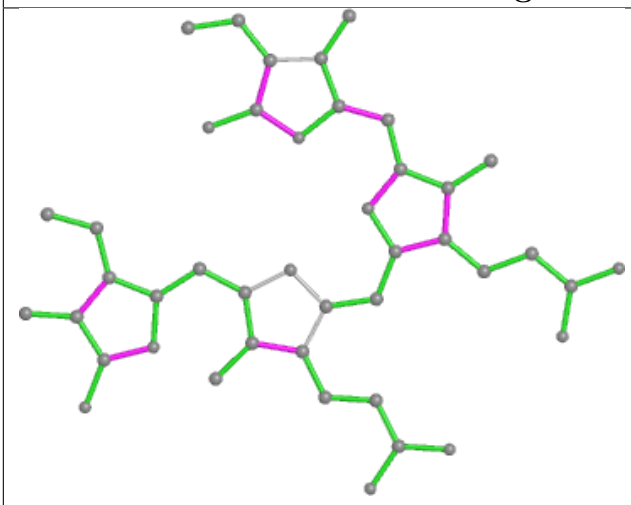

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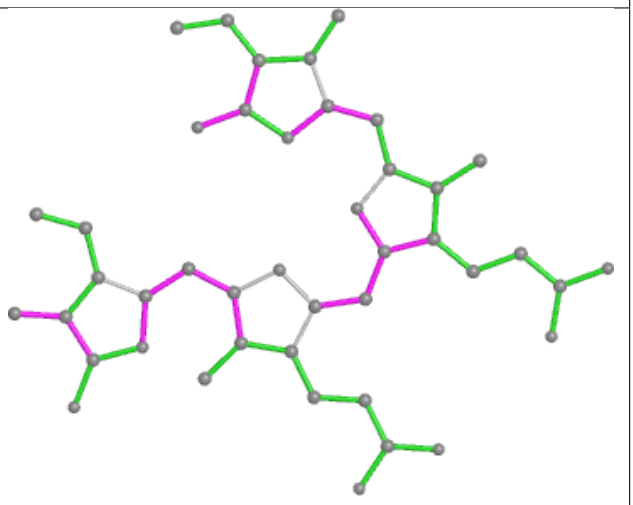

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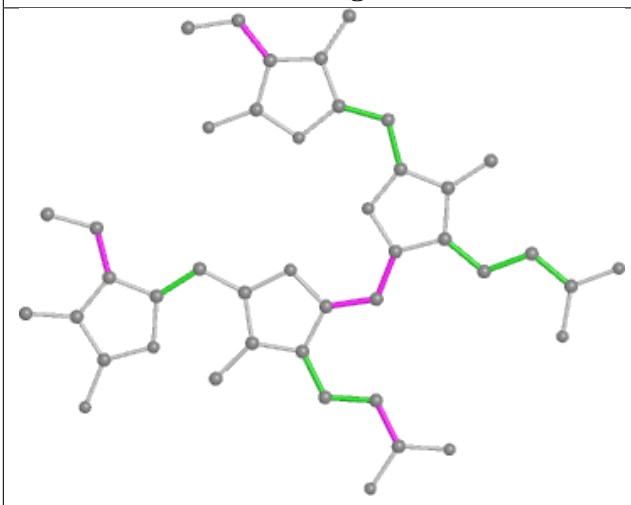

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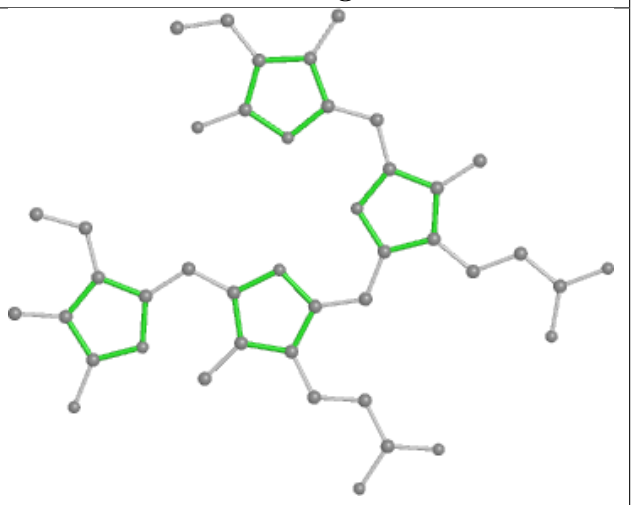

Rings

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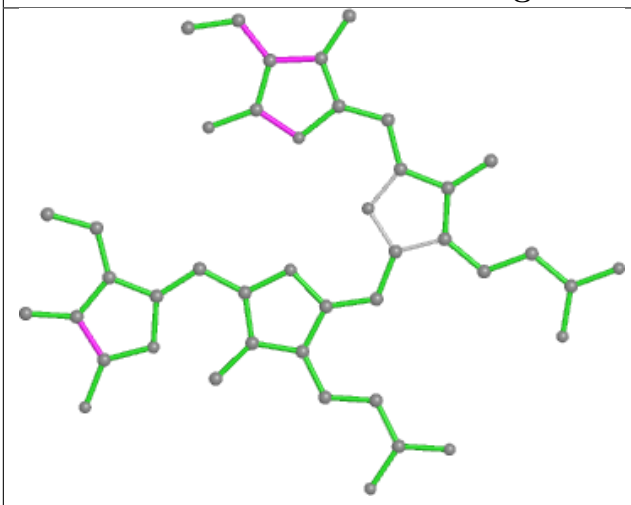

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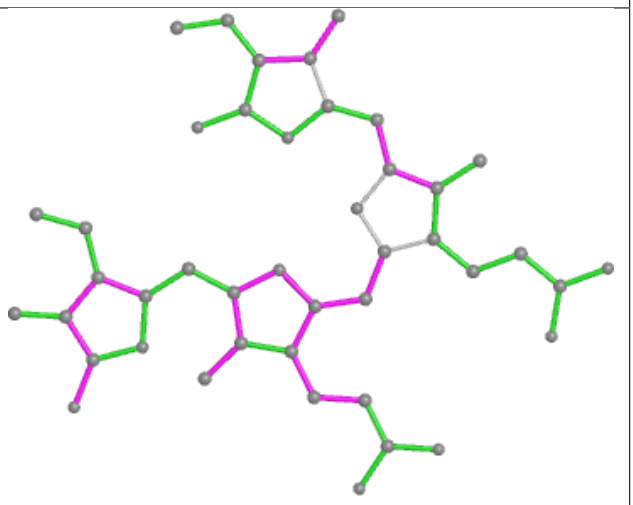

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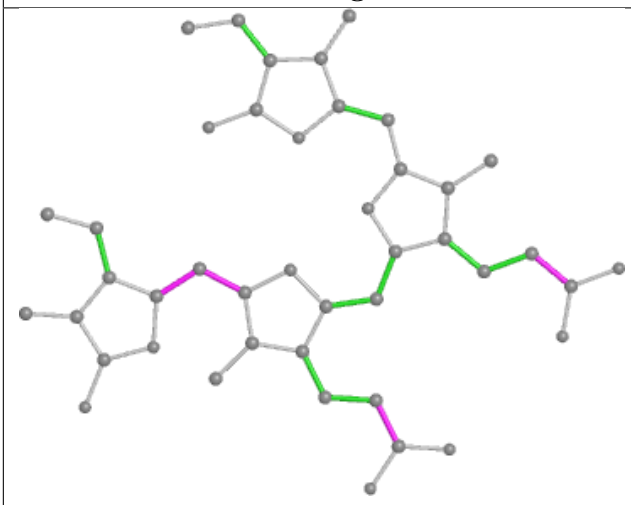

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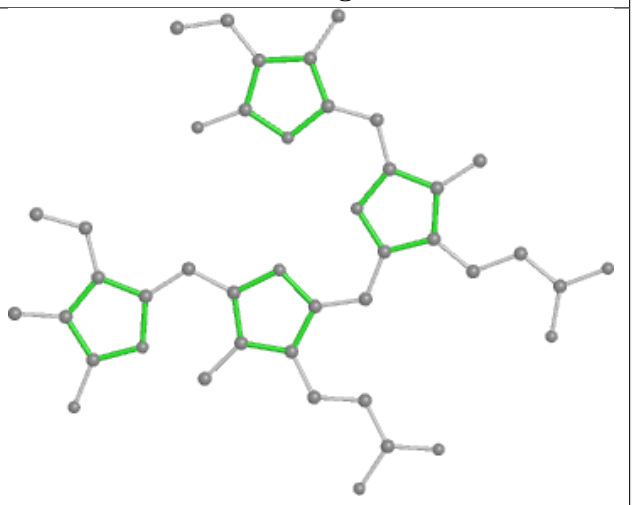

Rings

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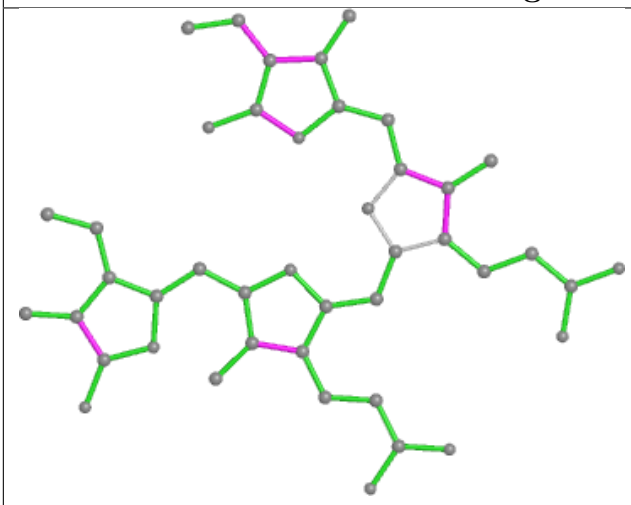

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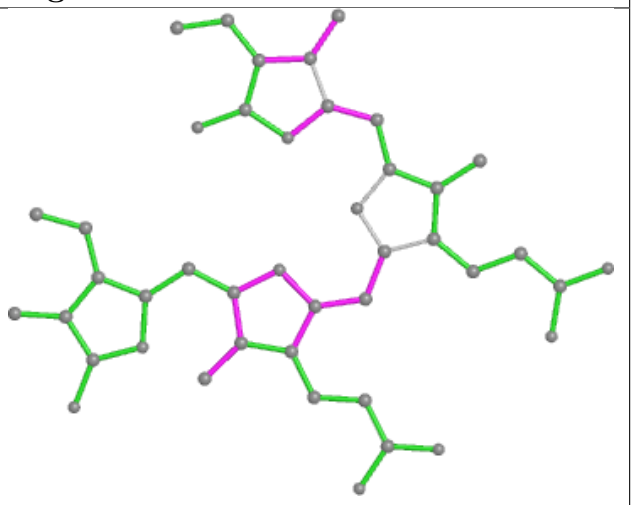

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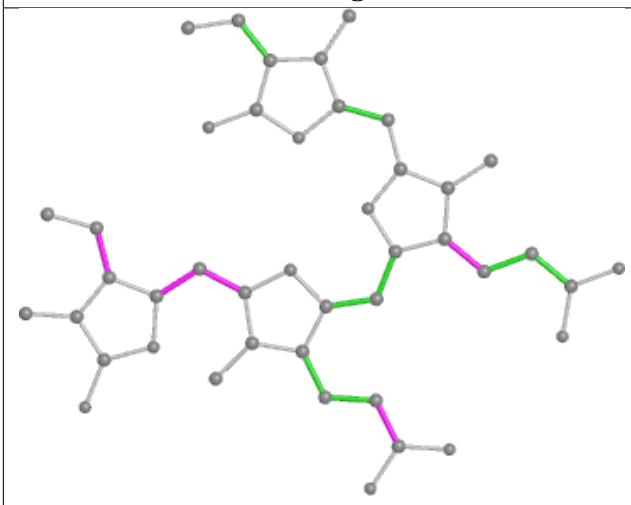

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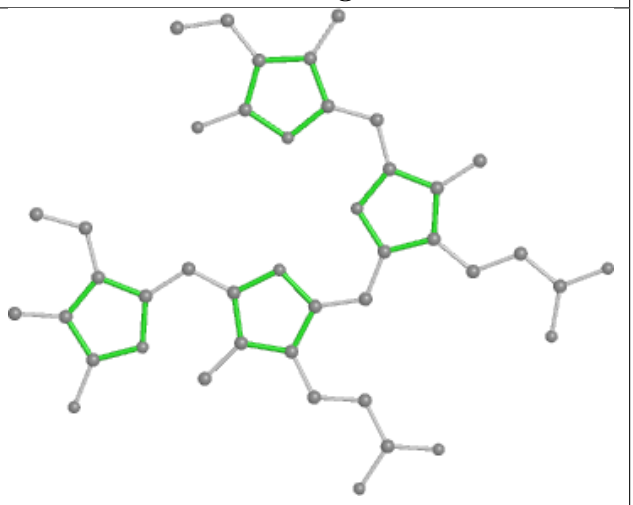

Rings

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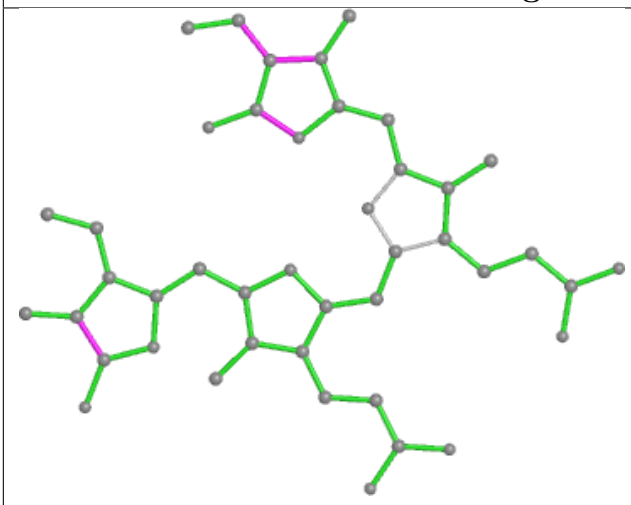

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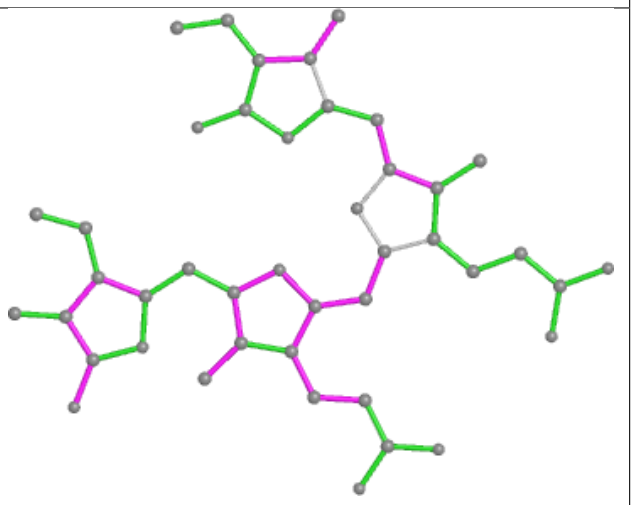

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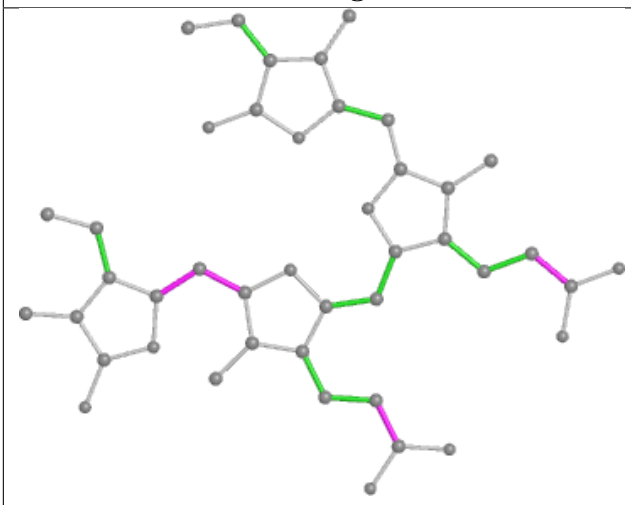

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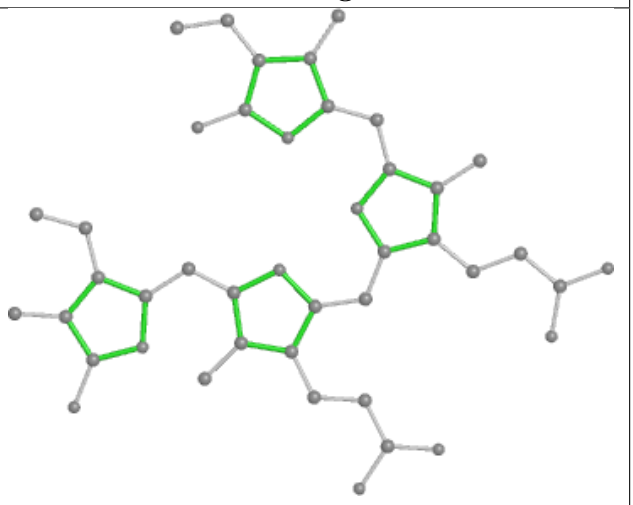

Rings

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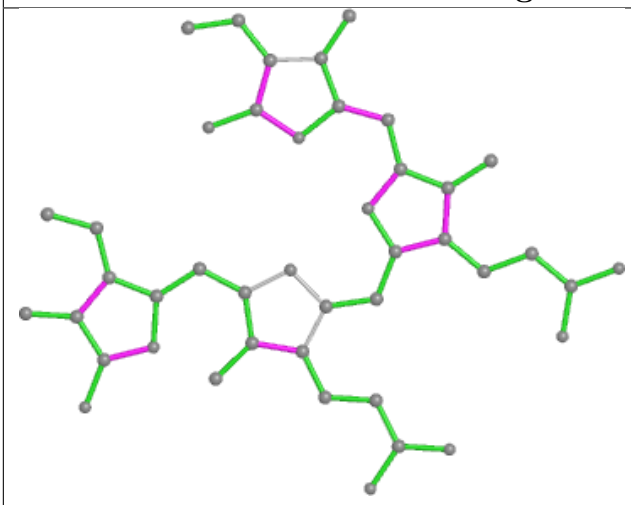

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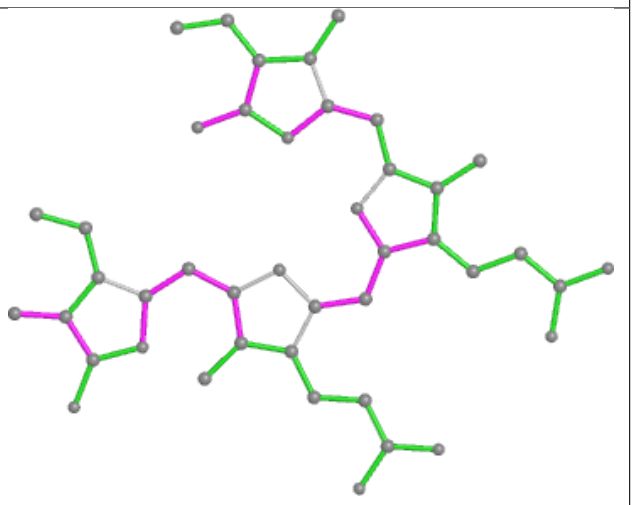

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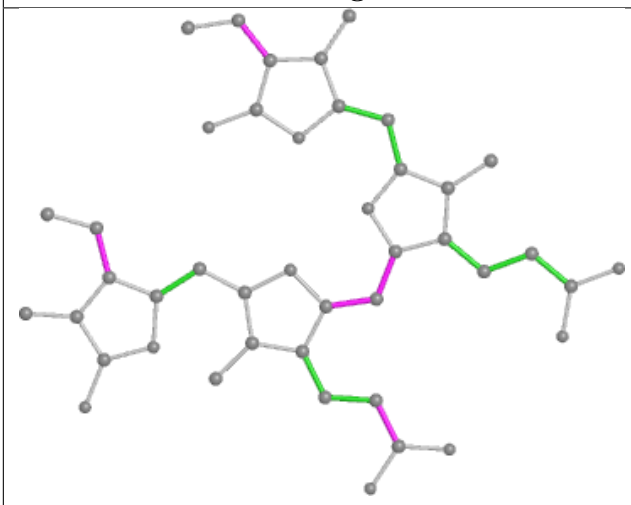

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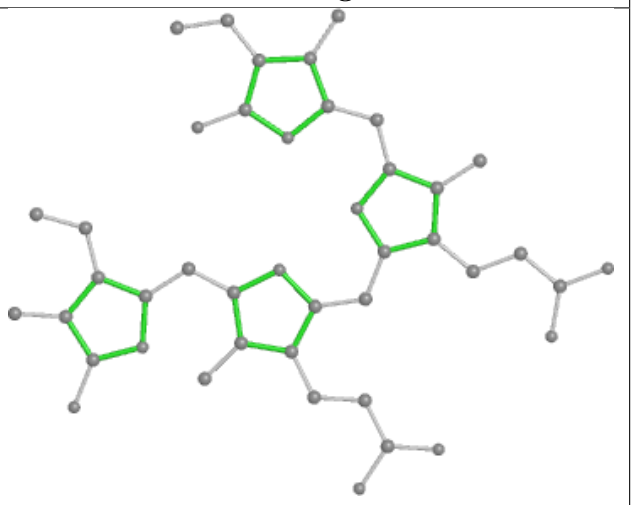

Rings

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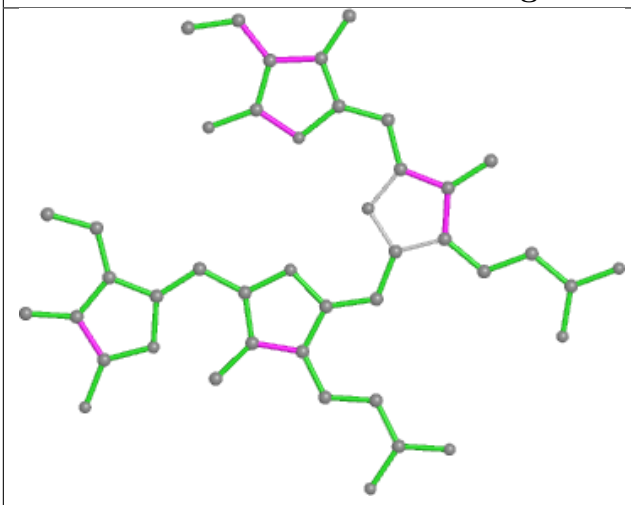

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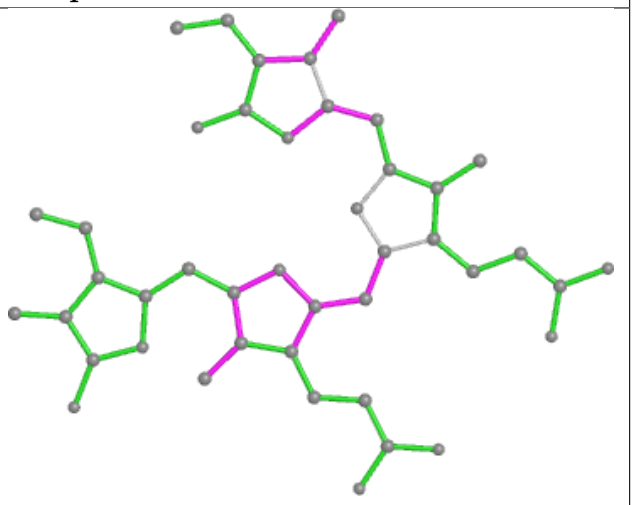

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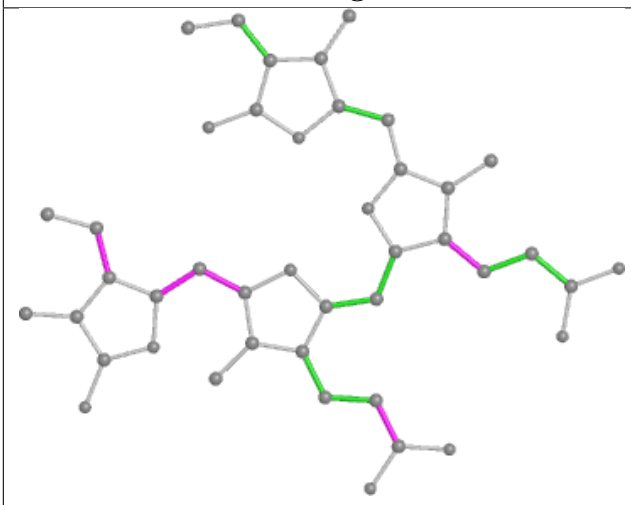

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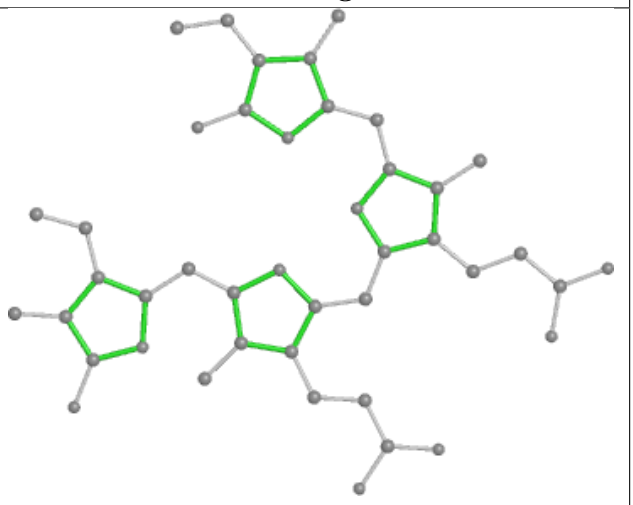

Rings

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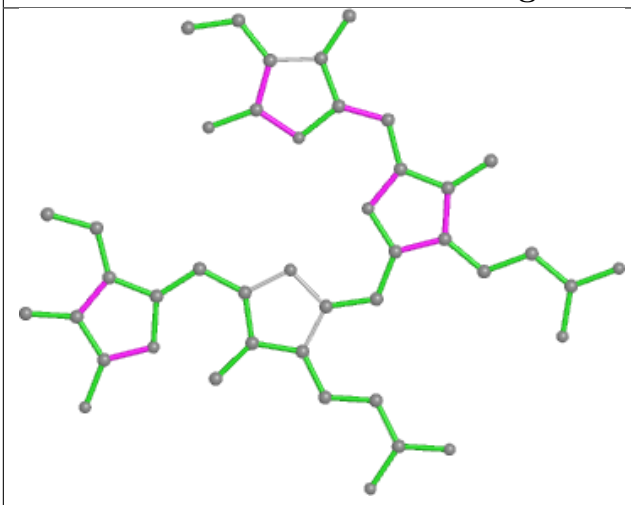

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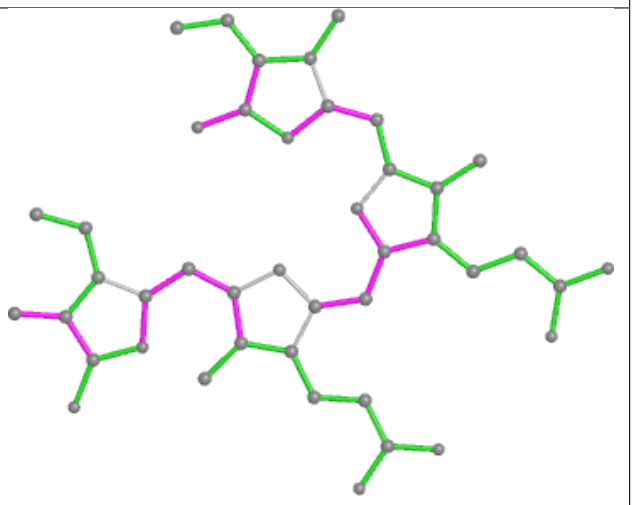

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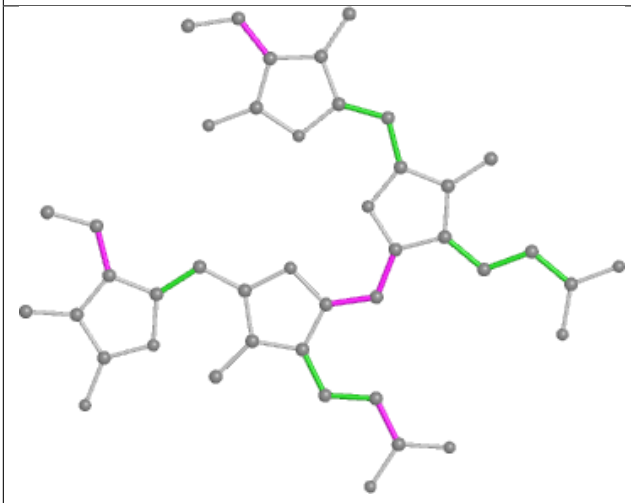

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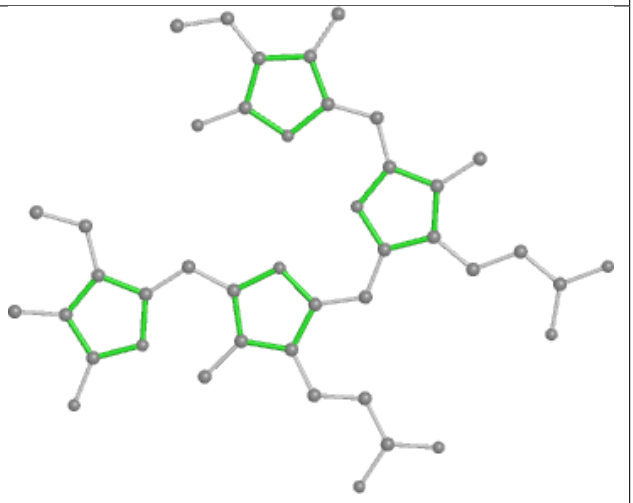

Rings

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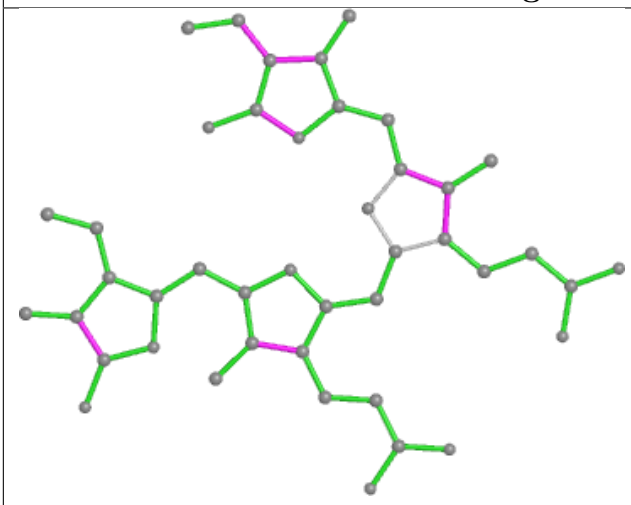

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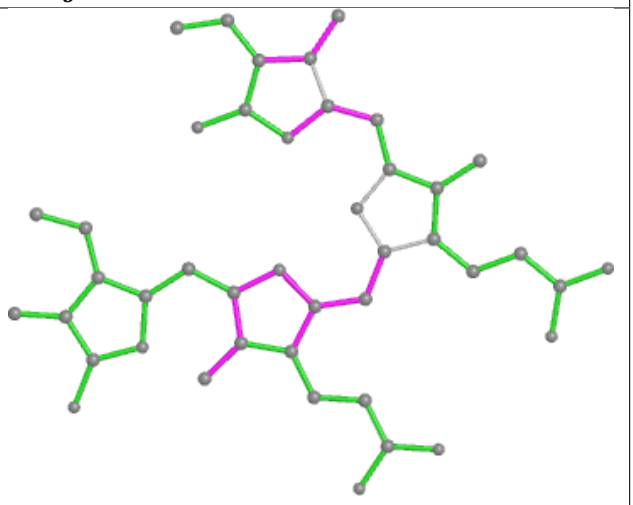

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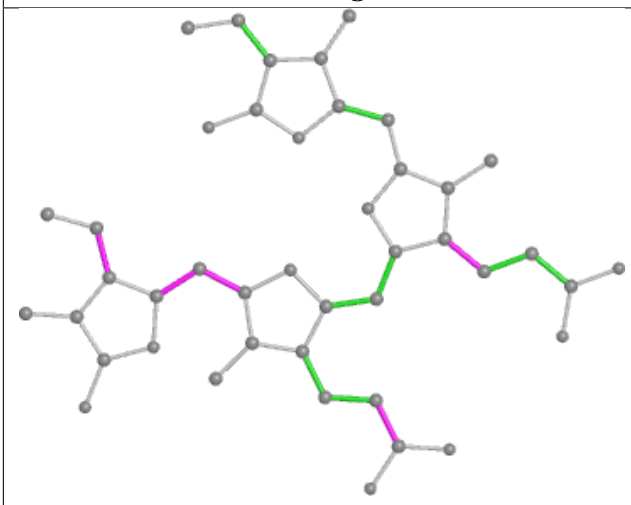

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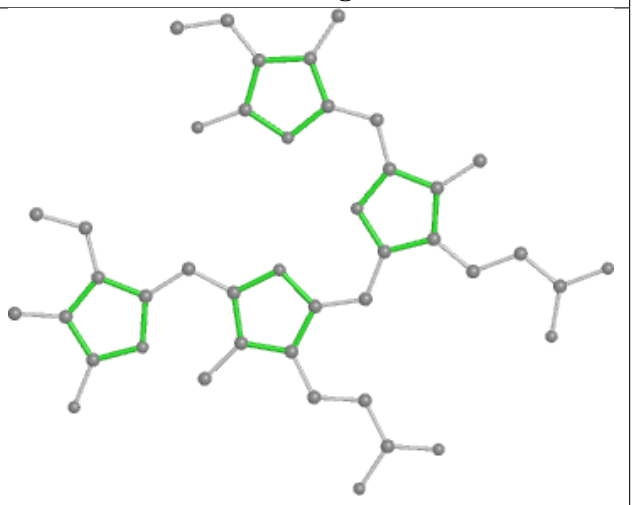
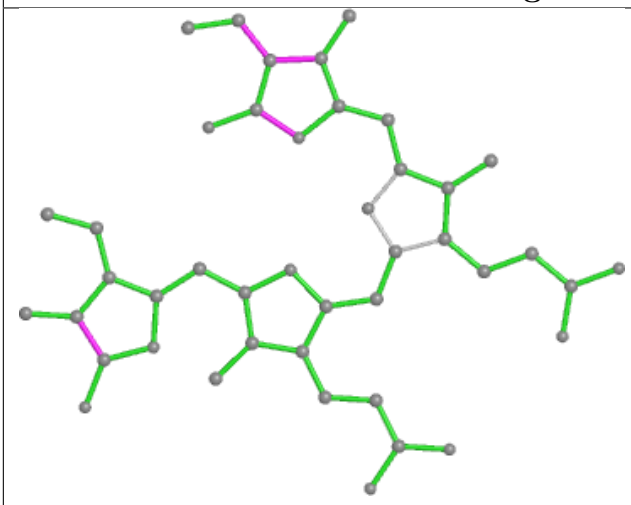


Rings

Ligand PEB i8 201



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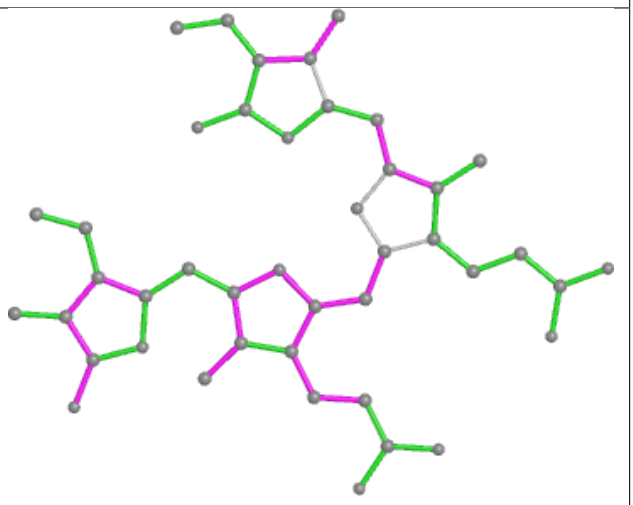

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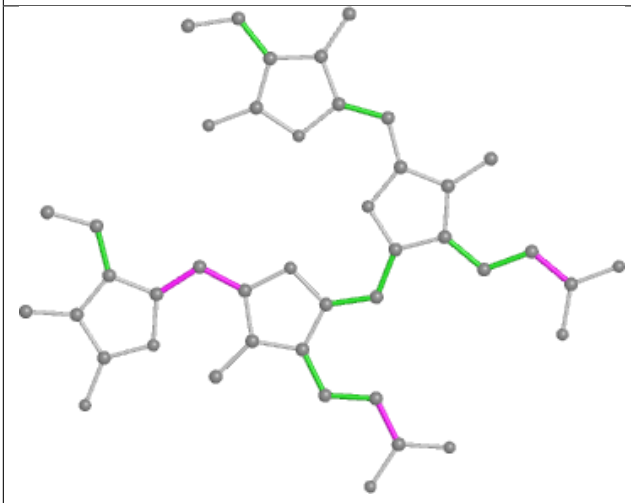

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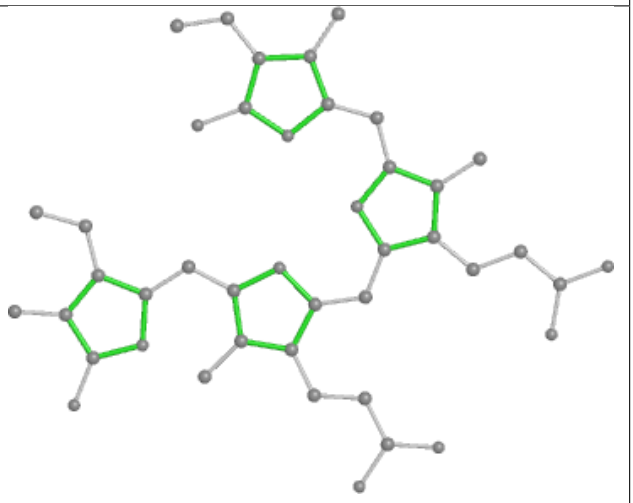
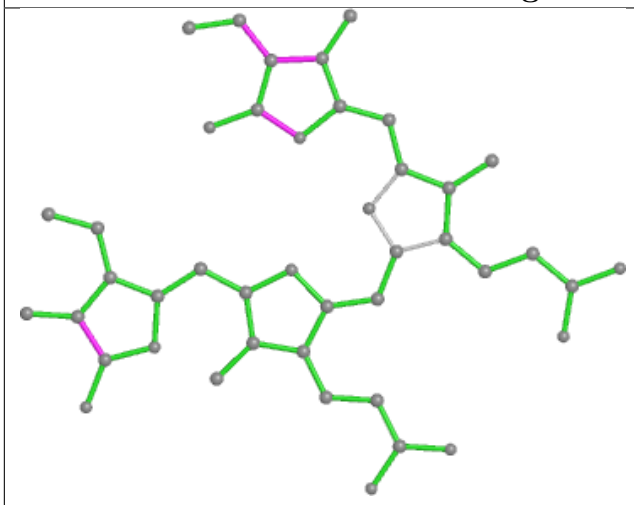


Rings

Ligand PEB z5 201



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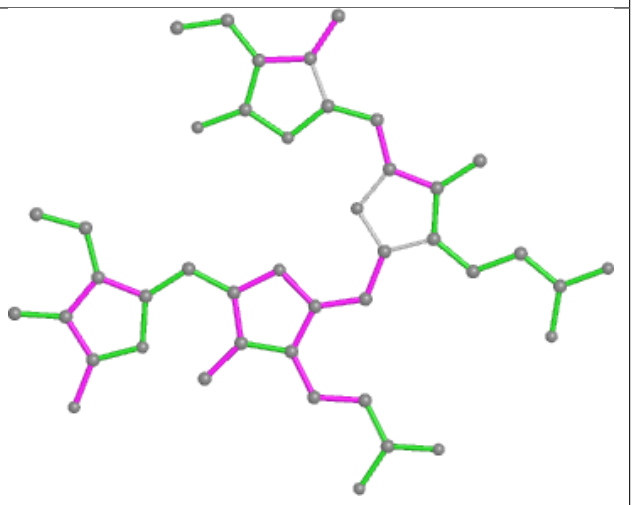
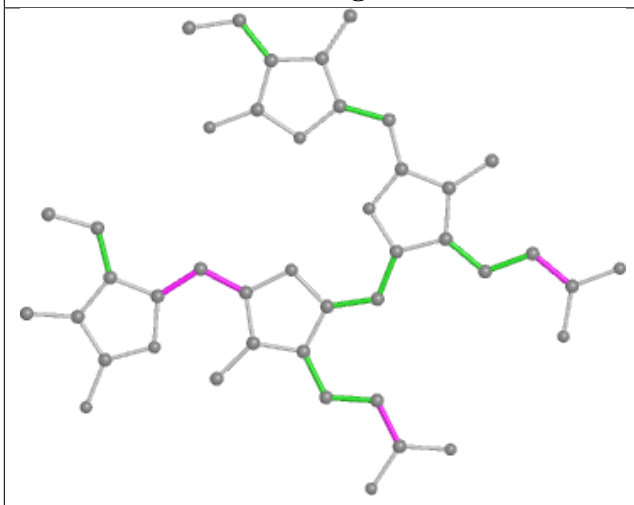


Bond angles



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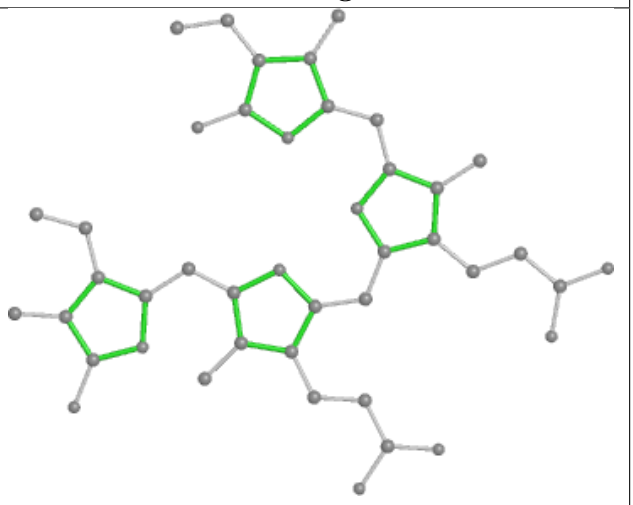
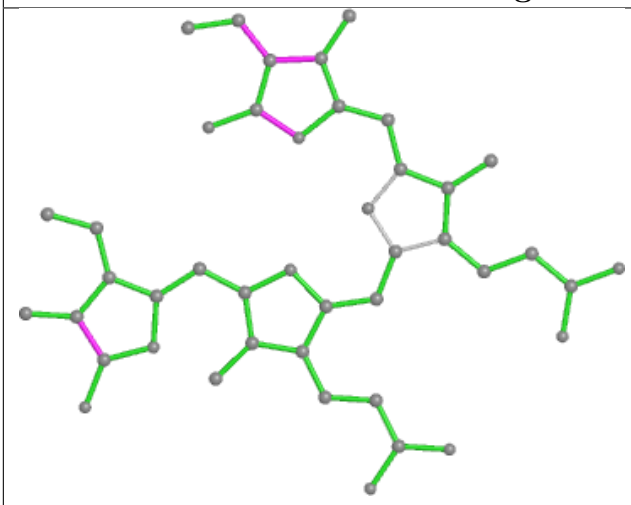
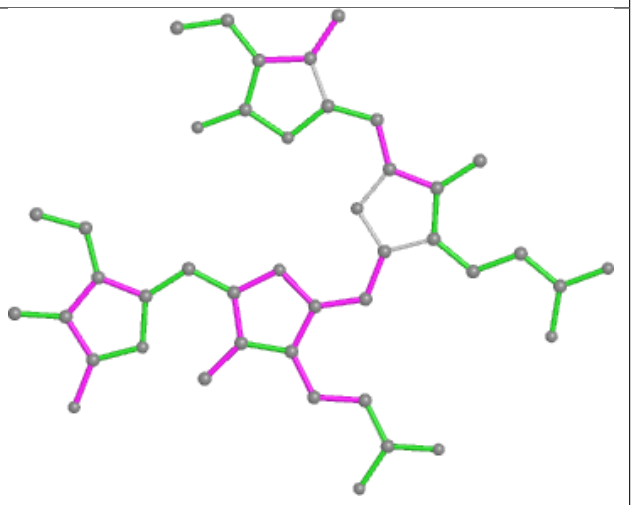


Rings

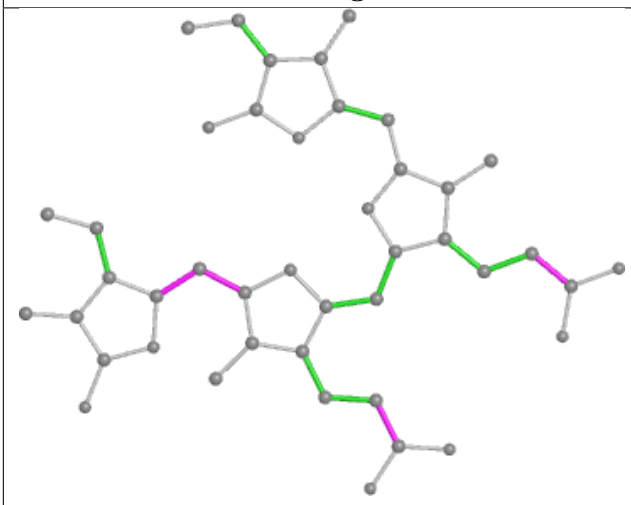
Ligand PEB bR 201



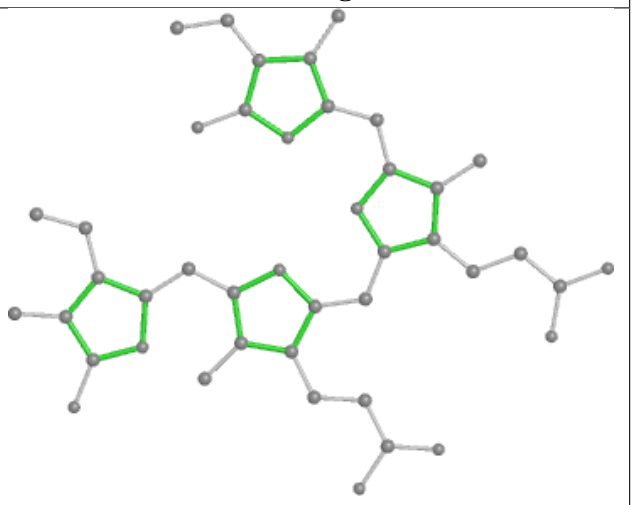
Bond lengths



Bond angles

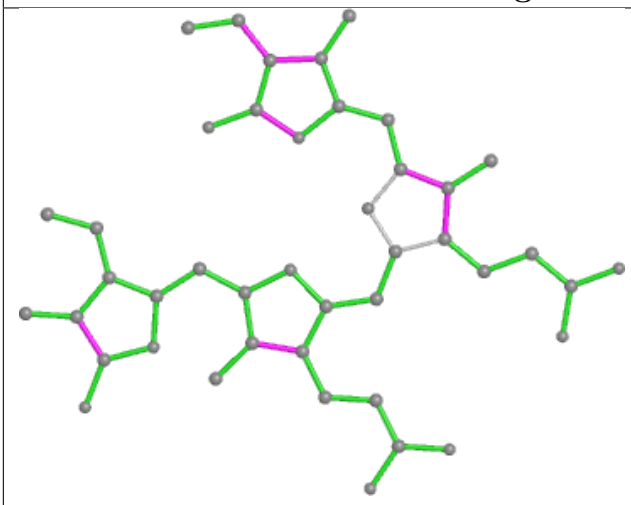


Torsions



Rings

Ligand PEB dV 202



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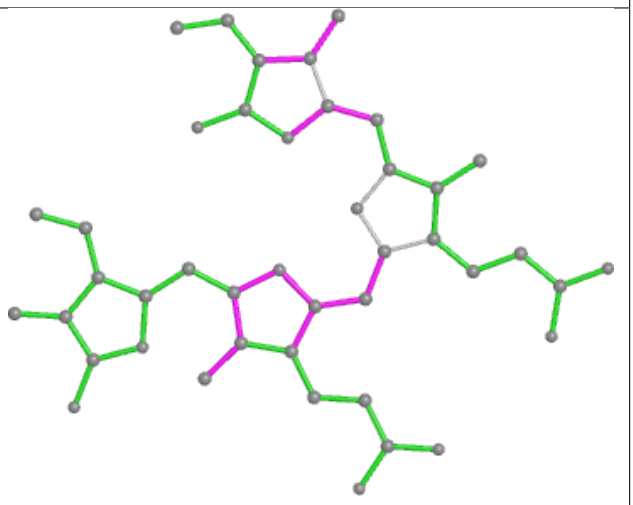

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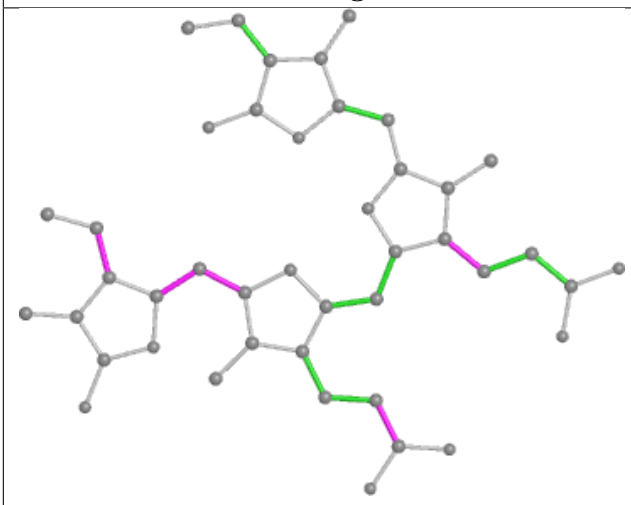

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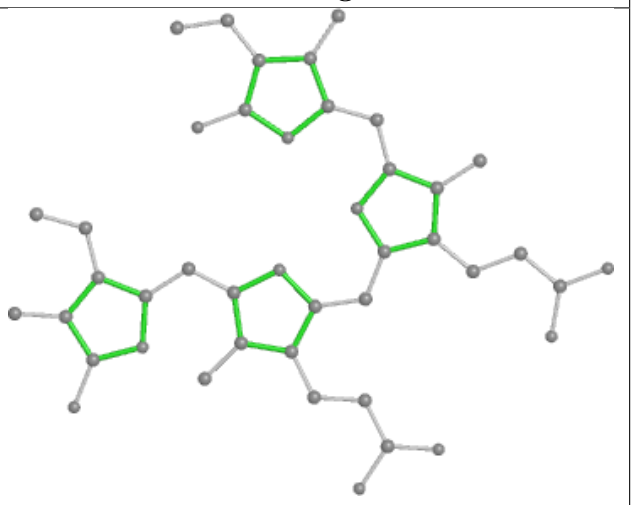
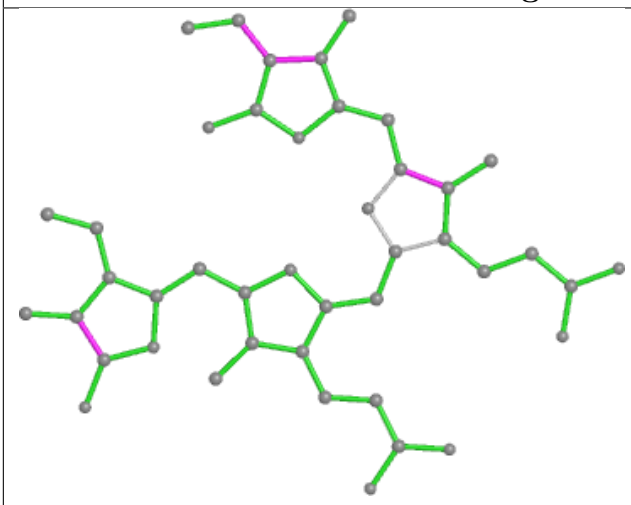


Rings

Ligand PEB gs 202



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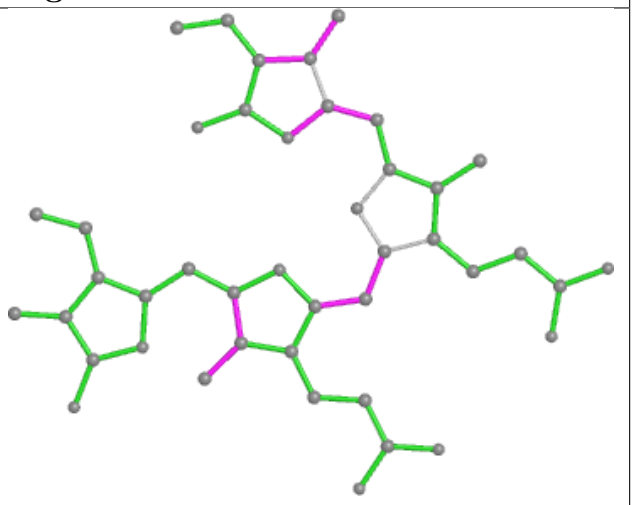

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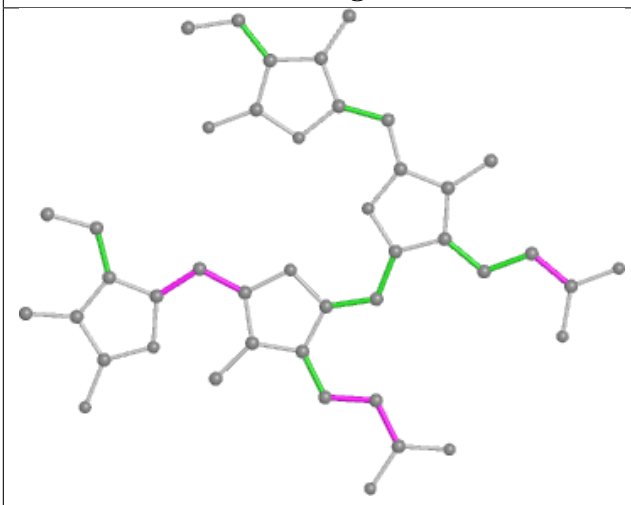

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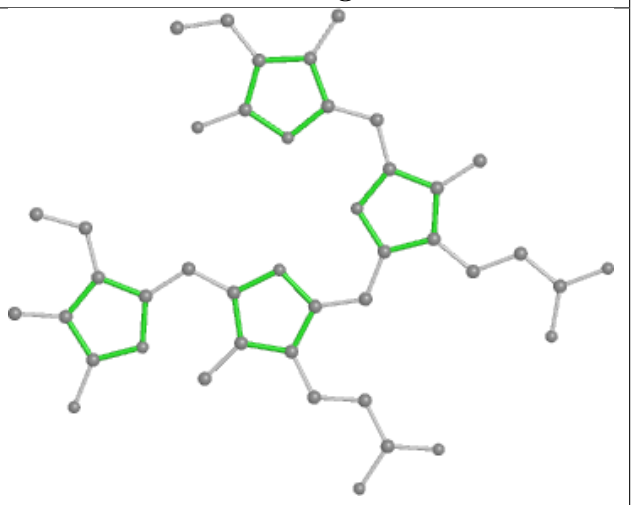
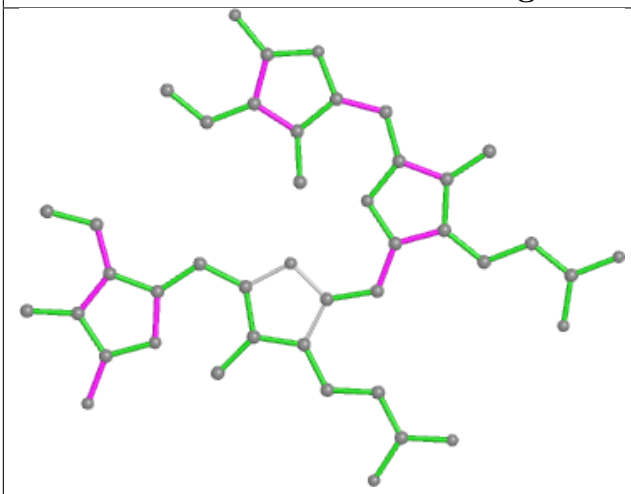


Rings

Ligand PVN c3 303



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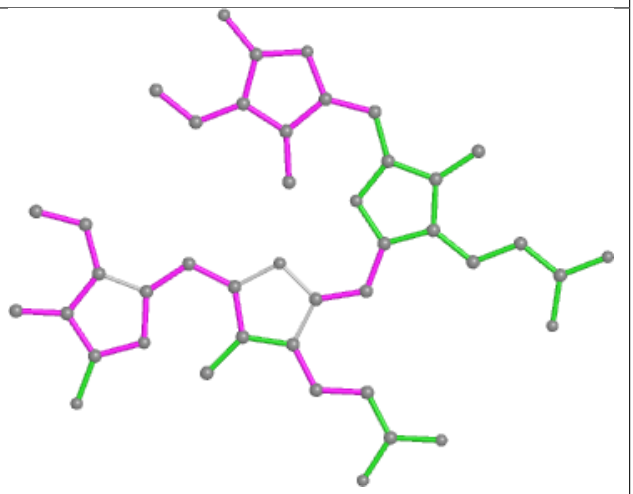

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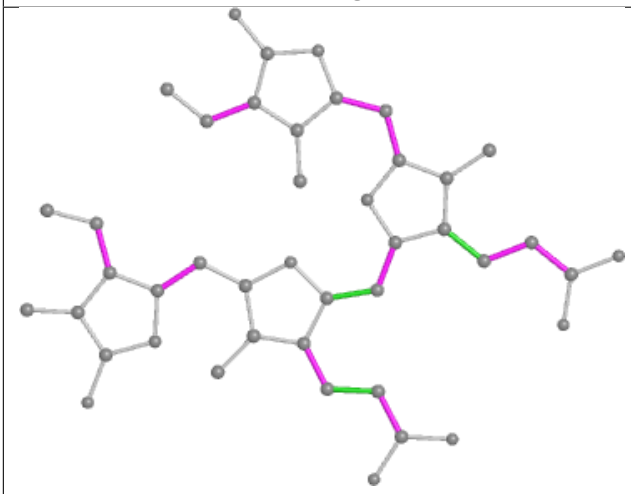

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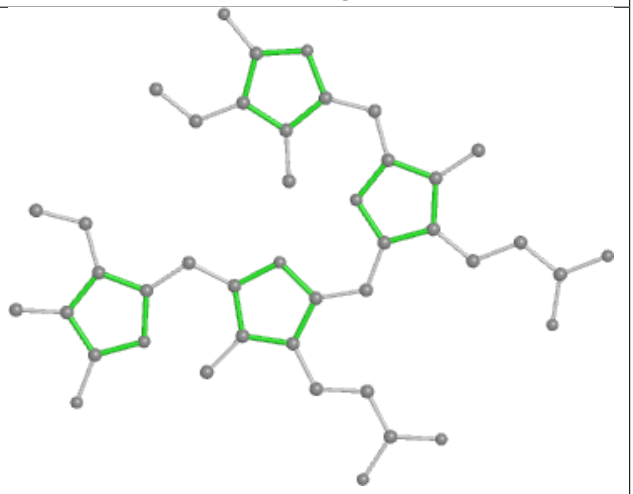

Rings

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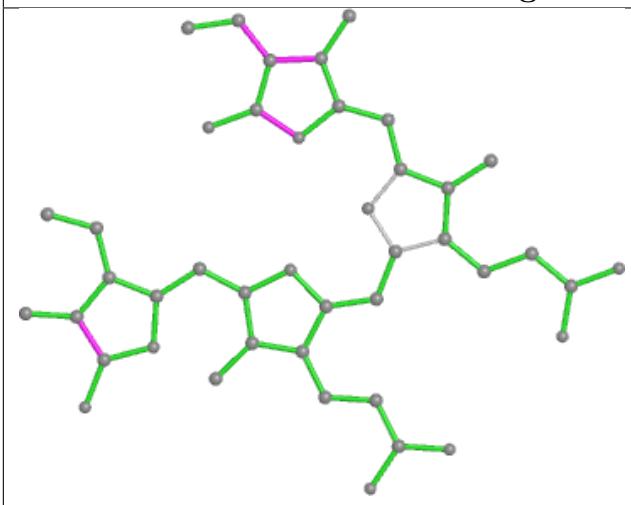

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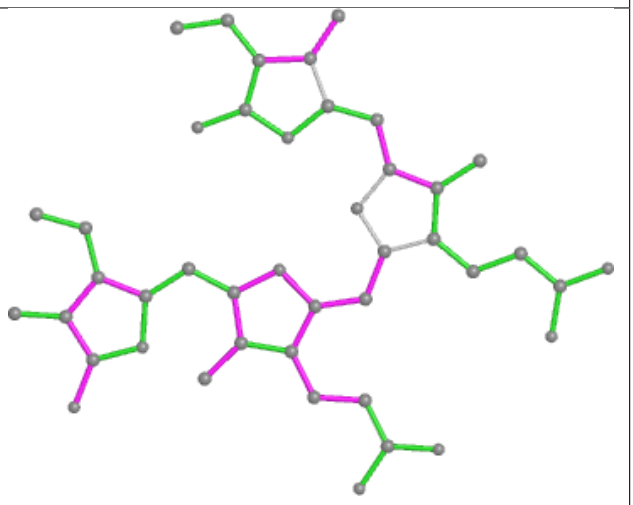

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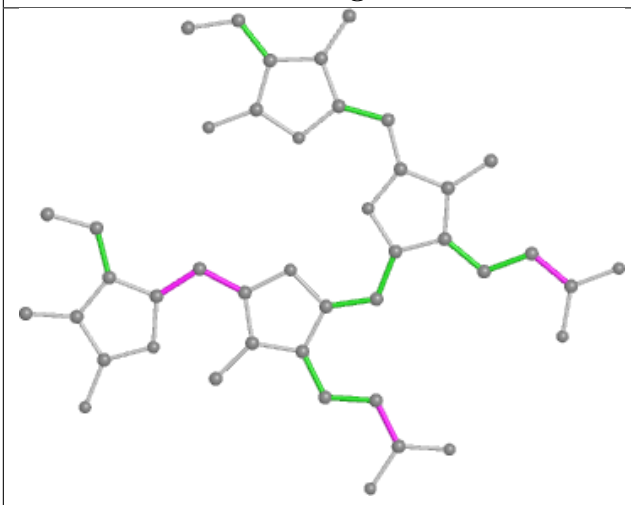

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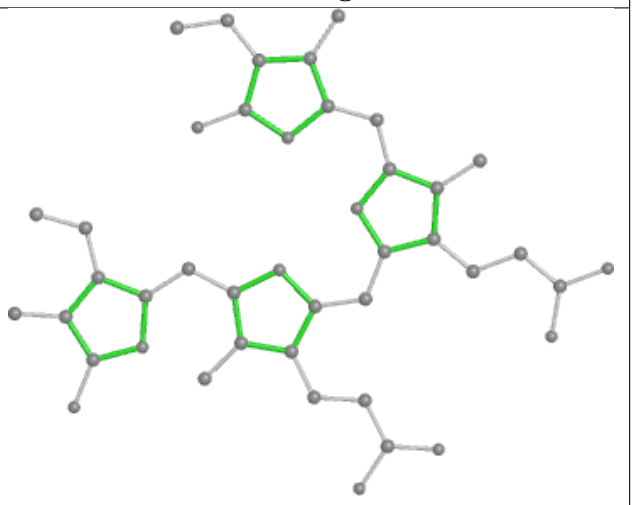

Rings

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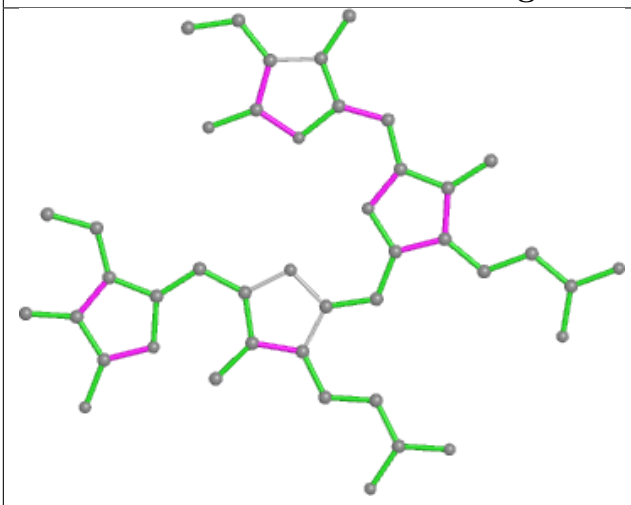

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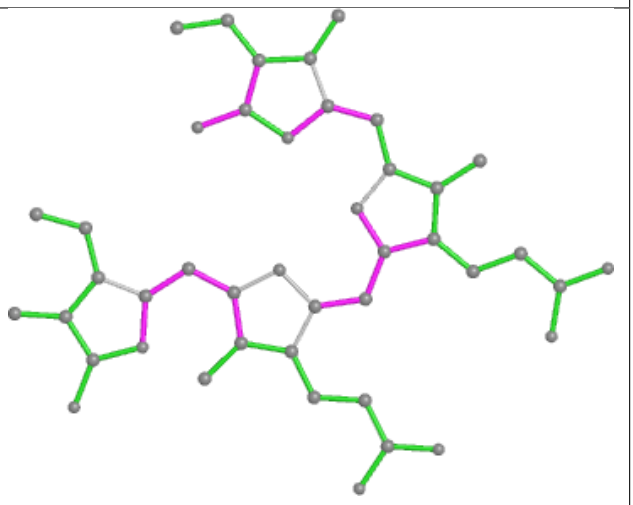

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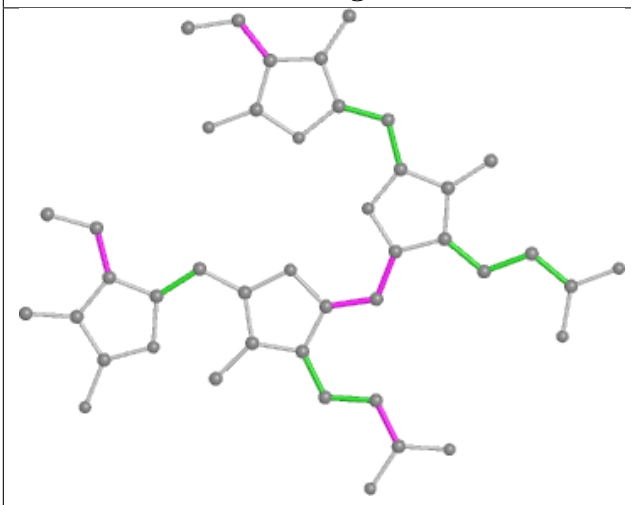

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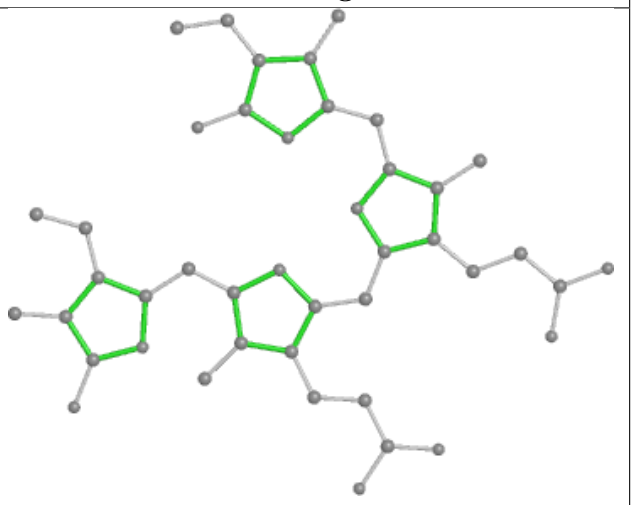

Rings

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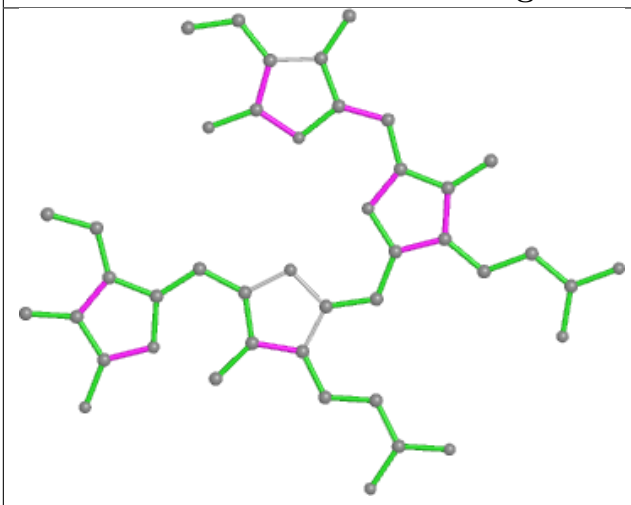

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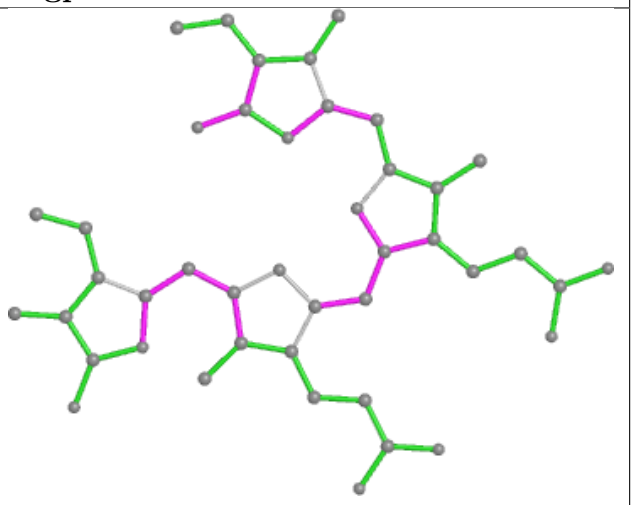

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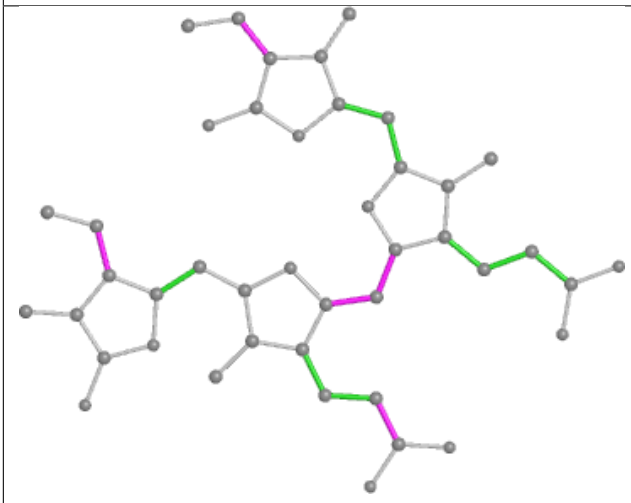

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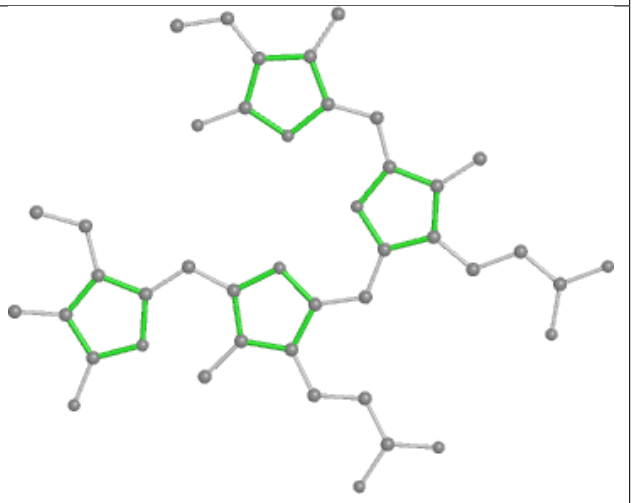

Rings

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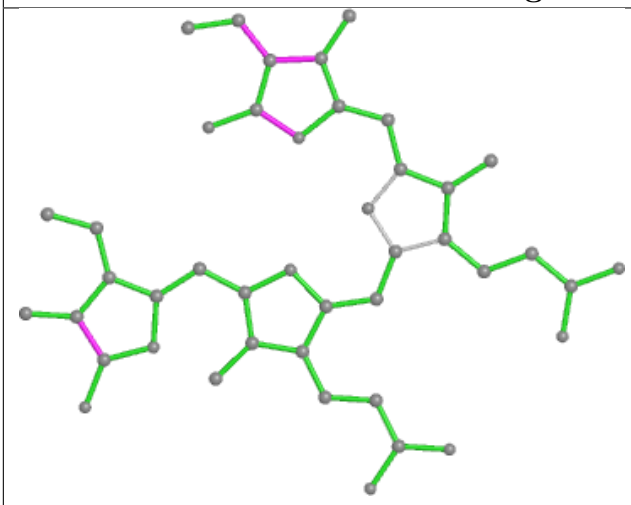

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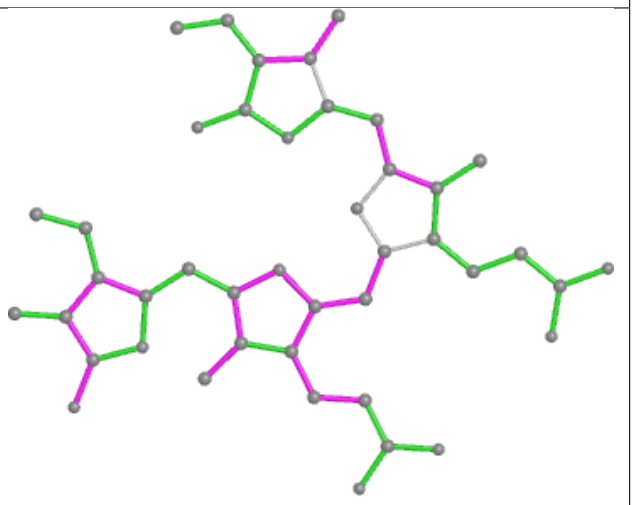

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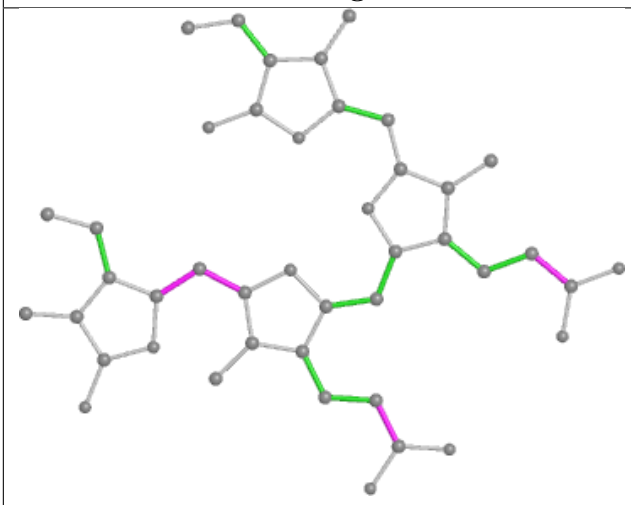

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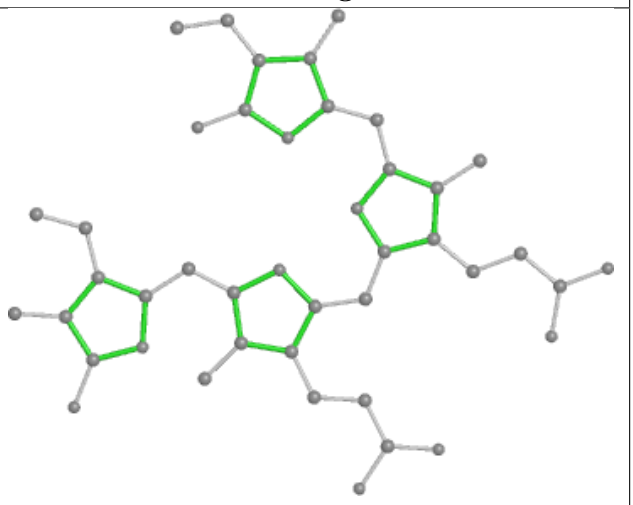
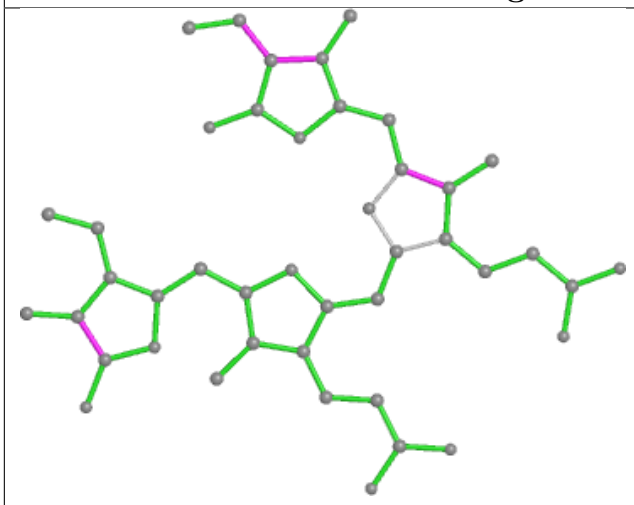


Rings

Ligand PEB A2 1001



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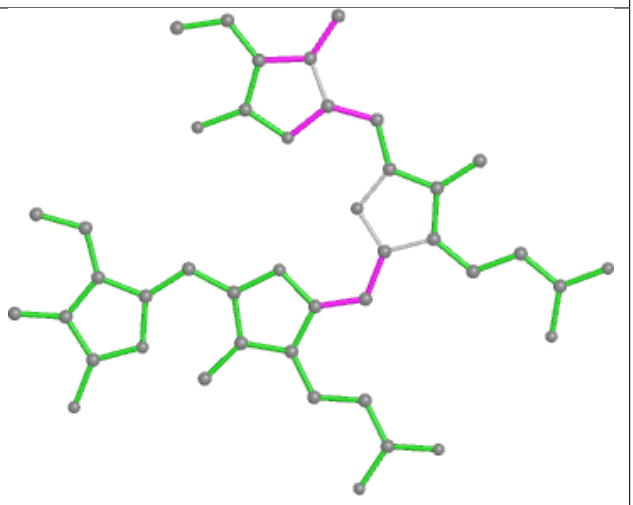

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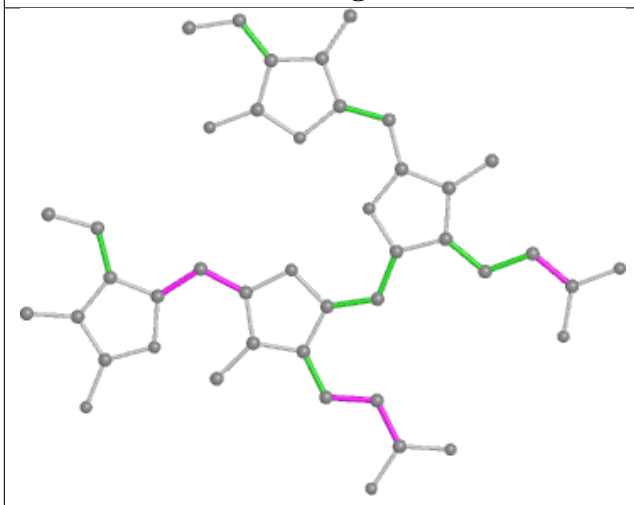

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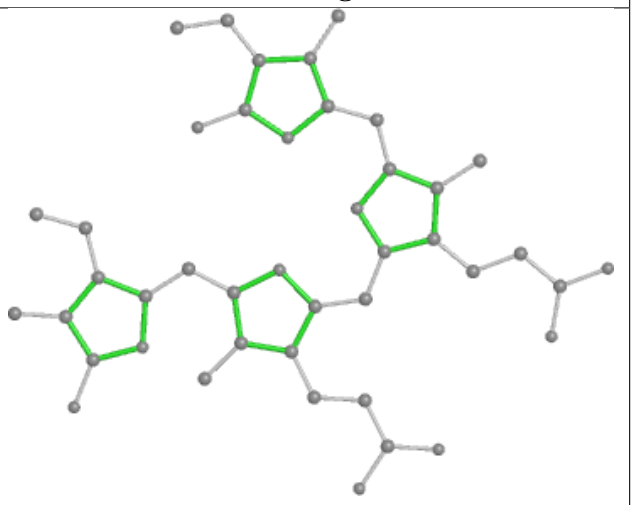
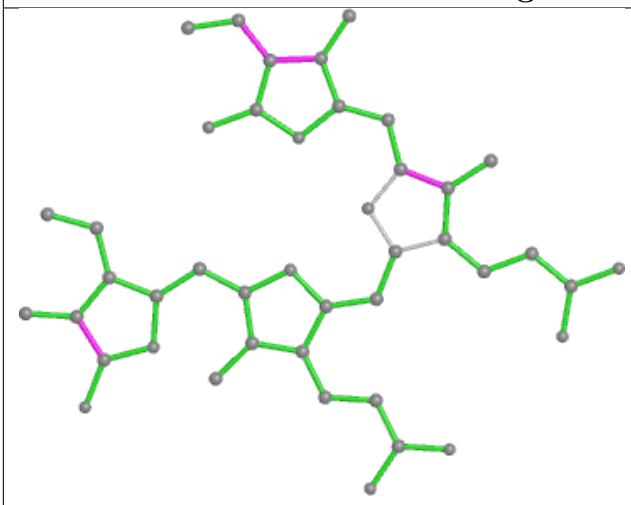


Rings

Ligand PEB E3 202



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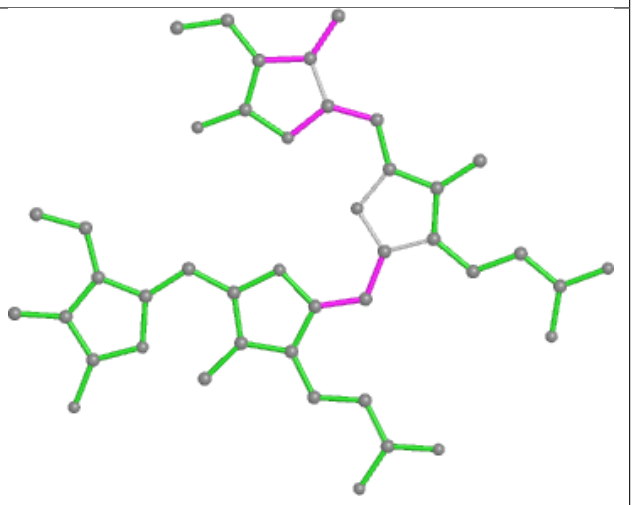

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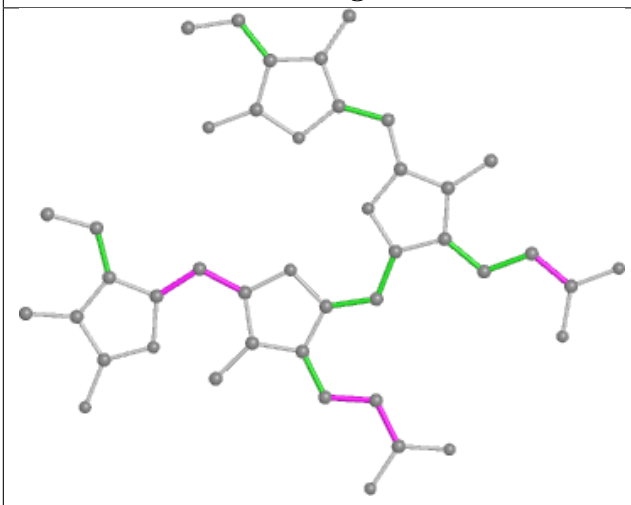

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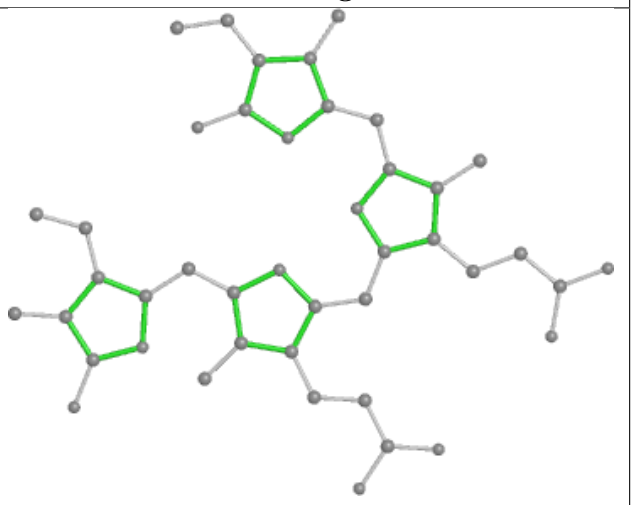

Rings

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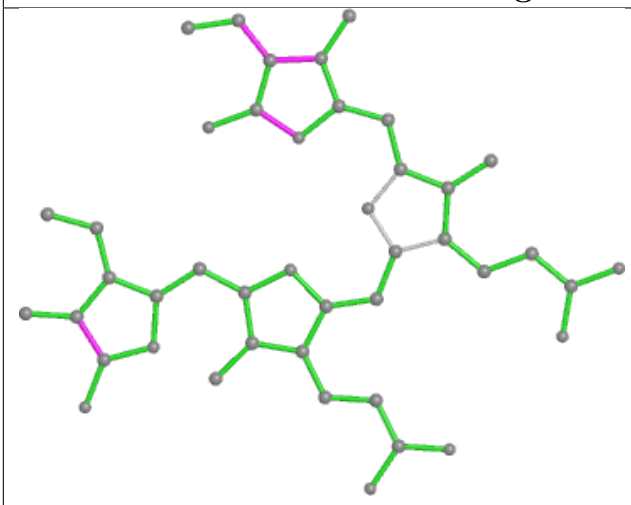

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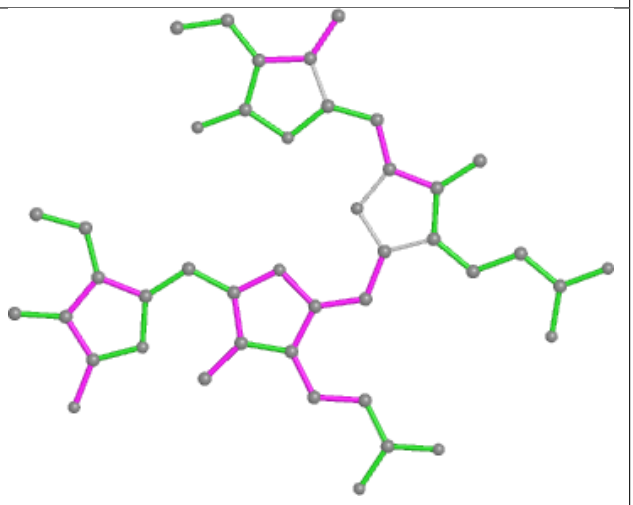

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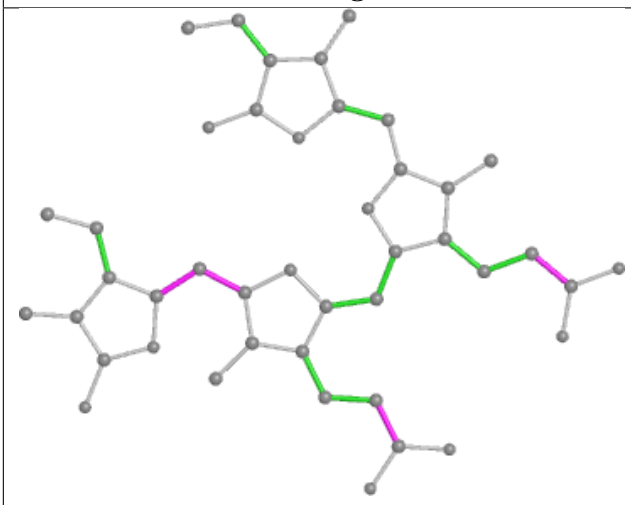

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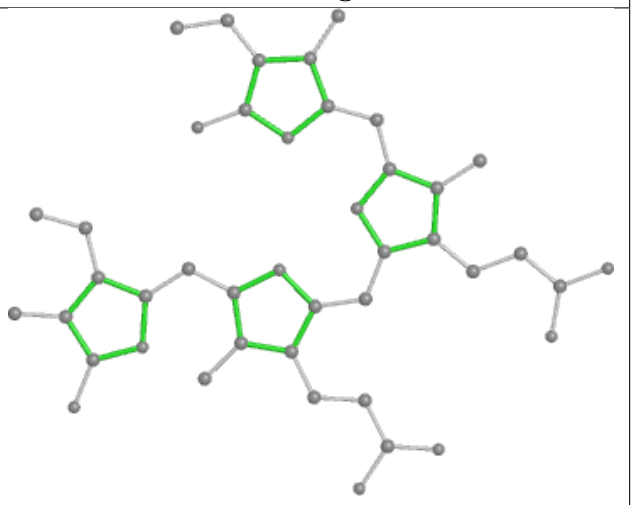

Rings

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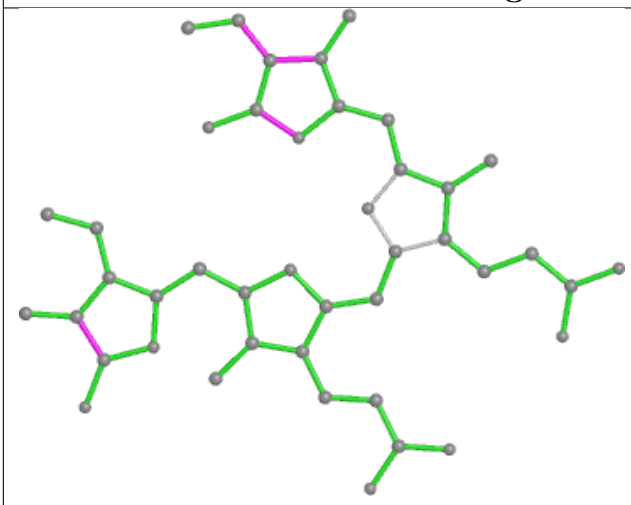

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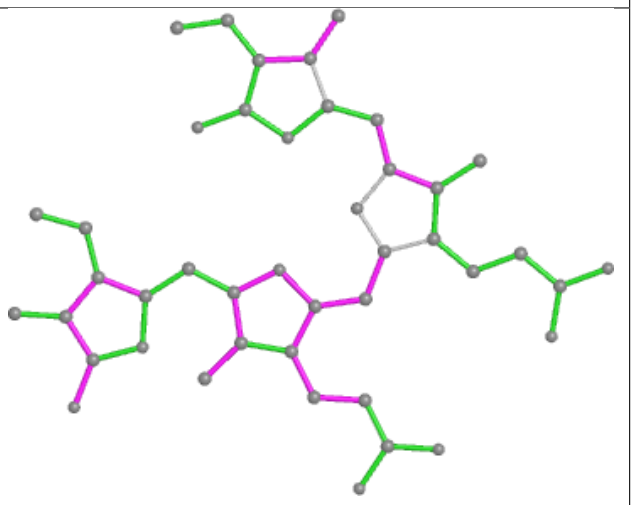

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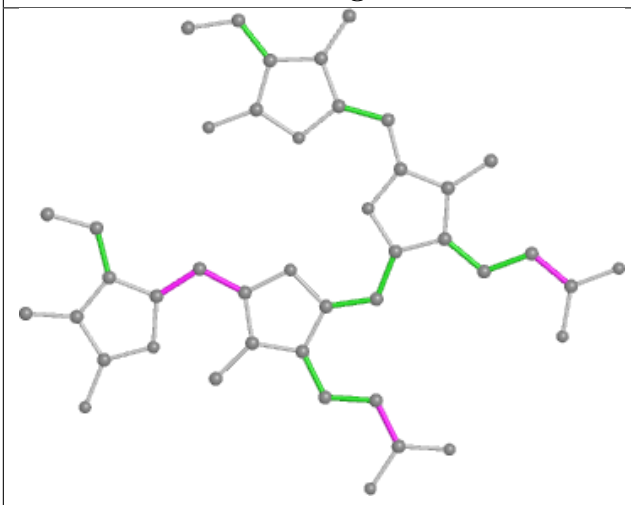

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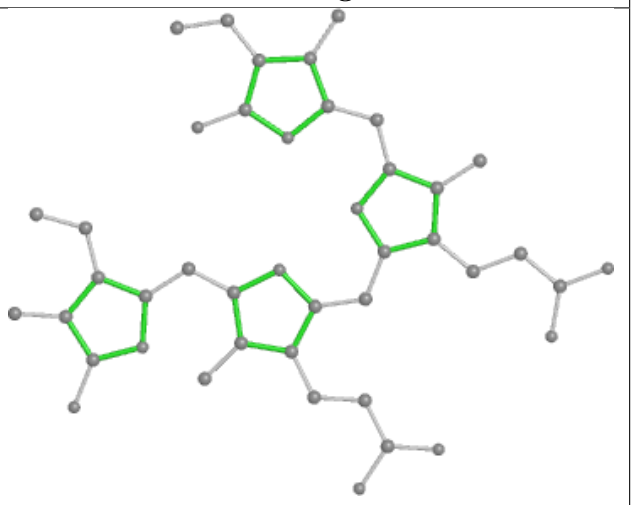
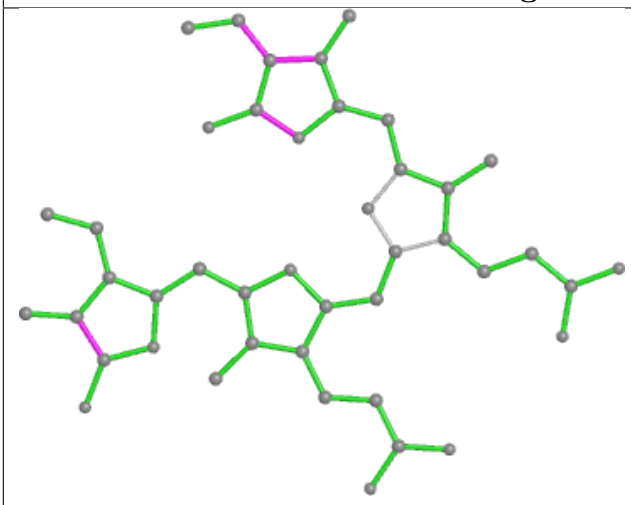


Rings

Ligand PEB a9 601



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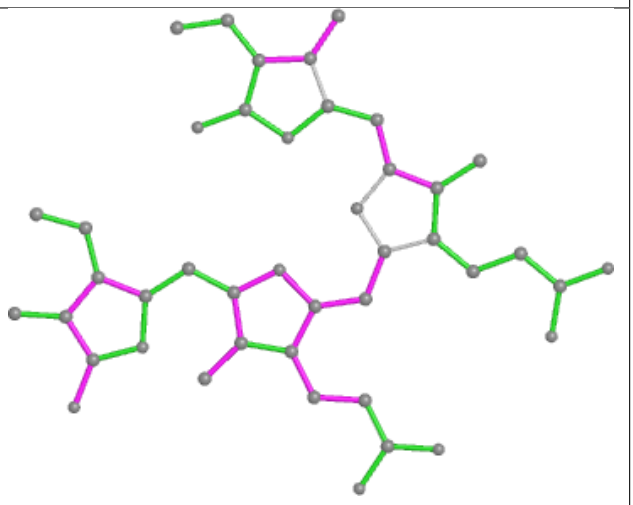

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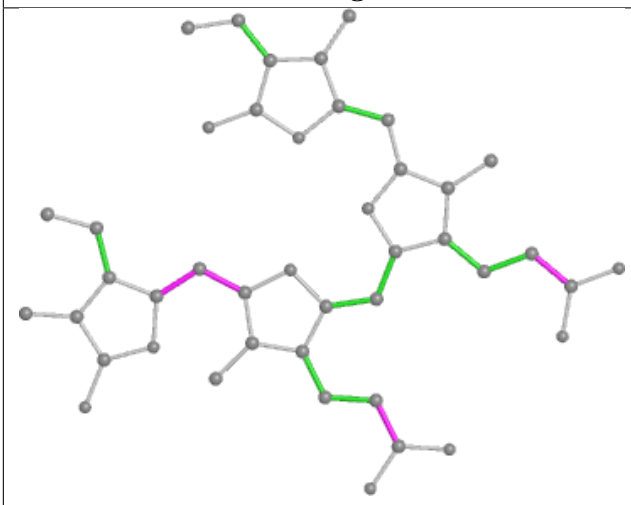

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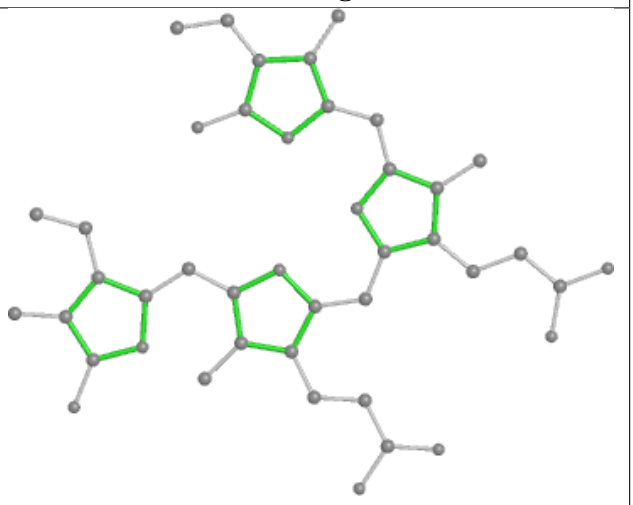
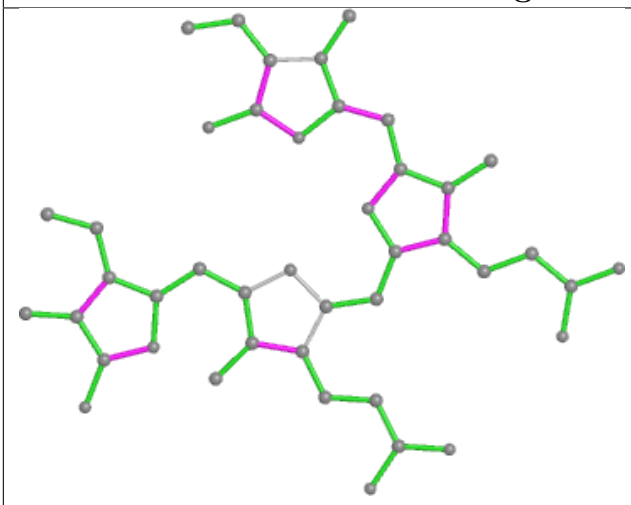


Rings

Ligand PUB cO 203



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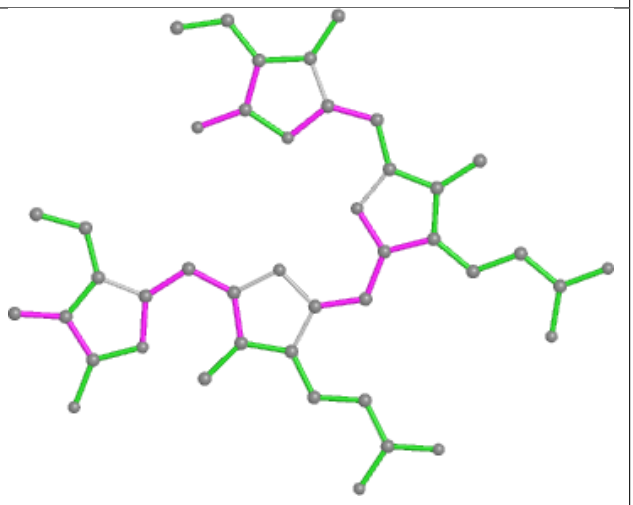
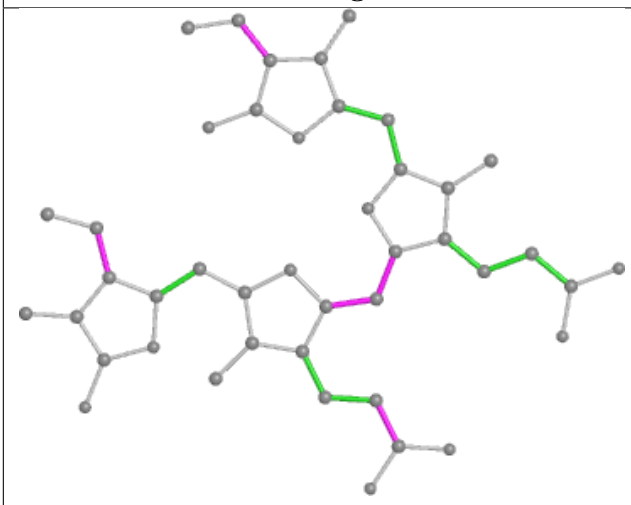
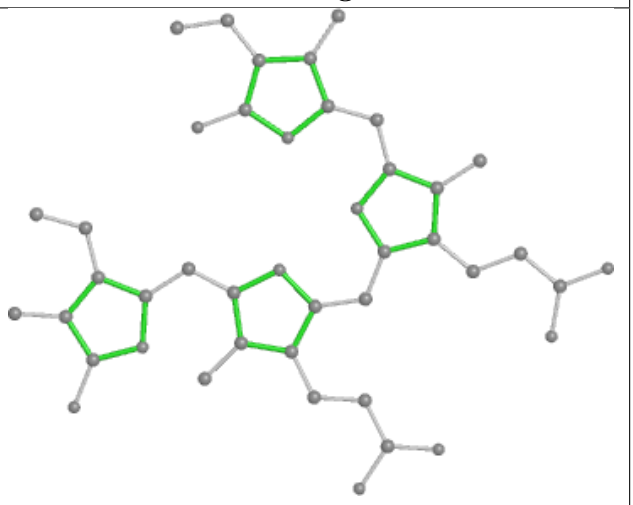


Bond angles

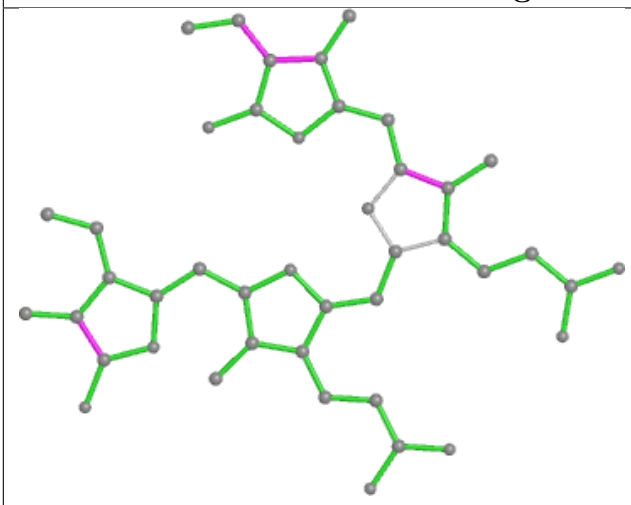


Torsions



Rings

Ligand PEB hK 202



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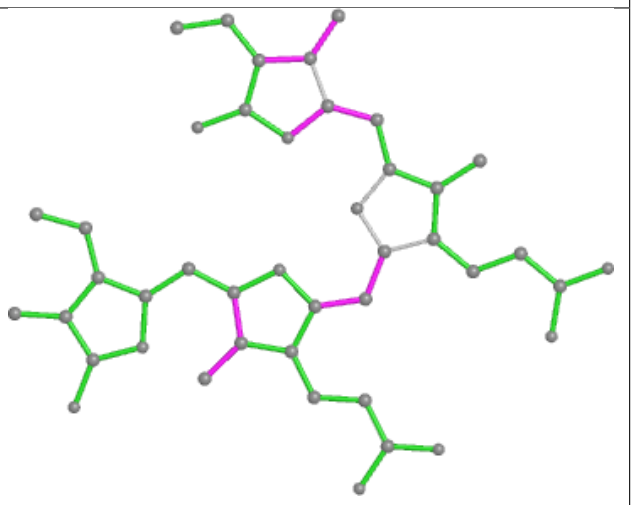

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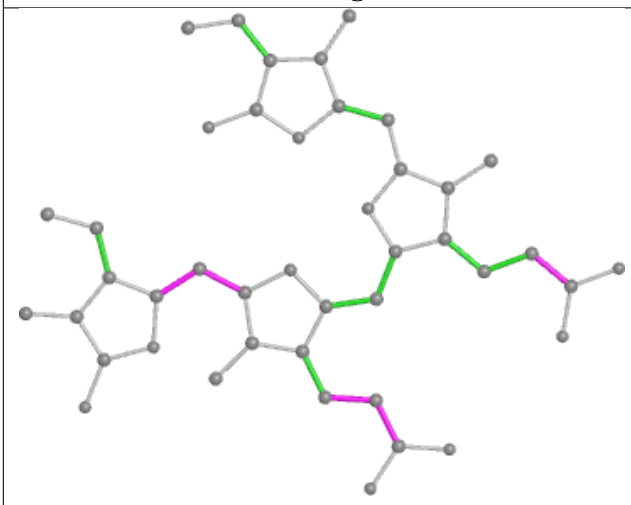

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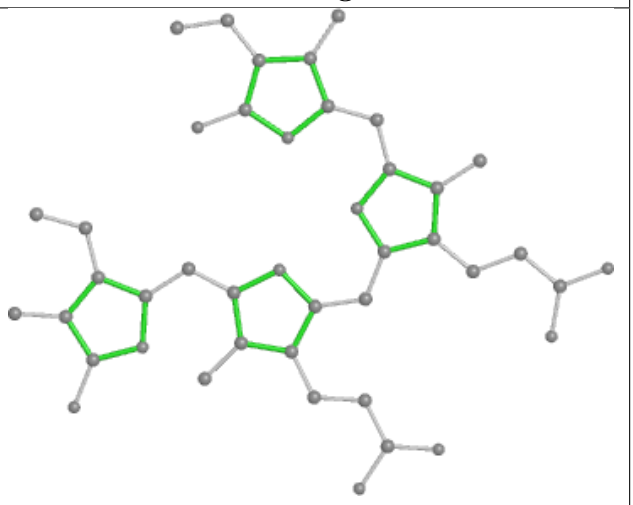
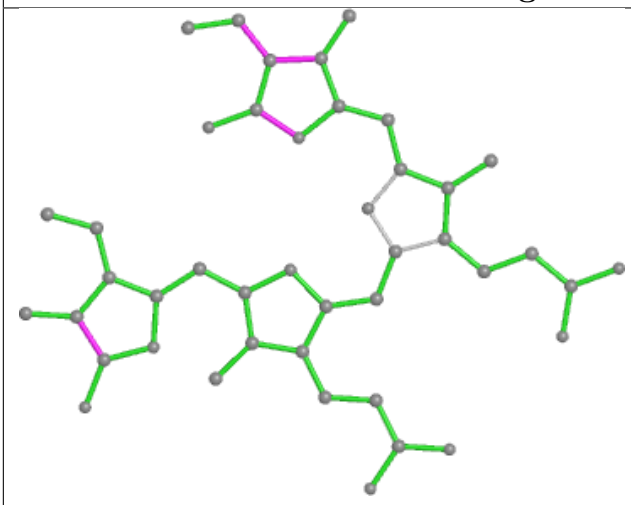


Rings

Ligand PEB S6 202



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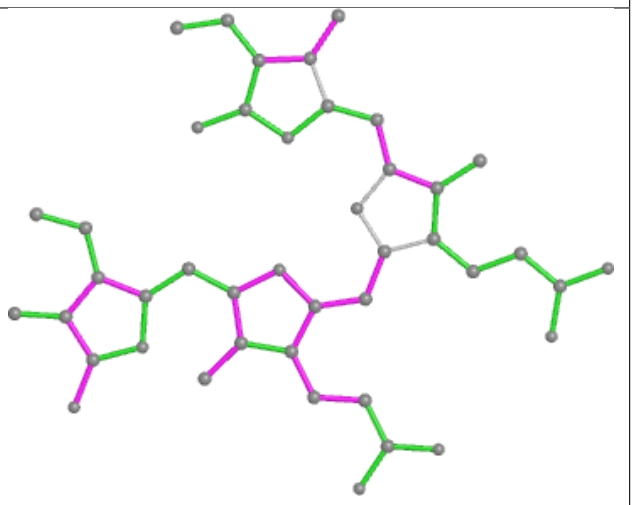

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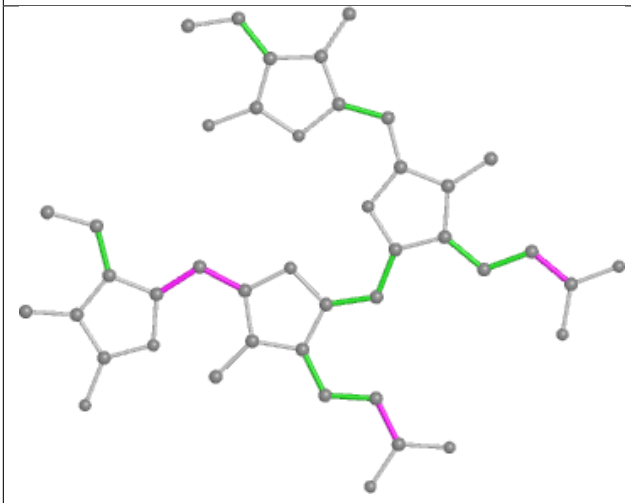

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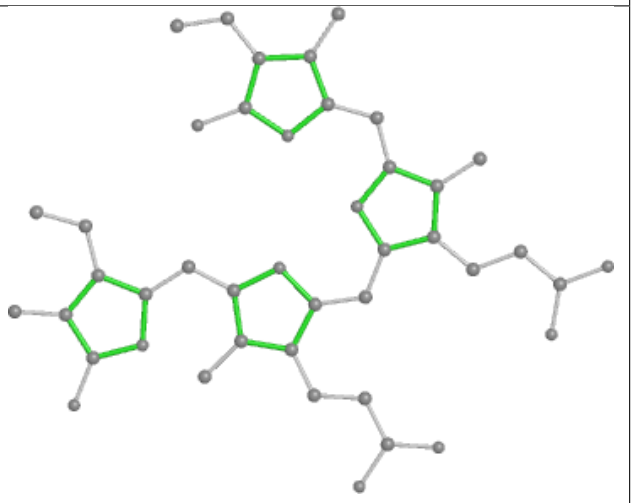
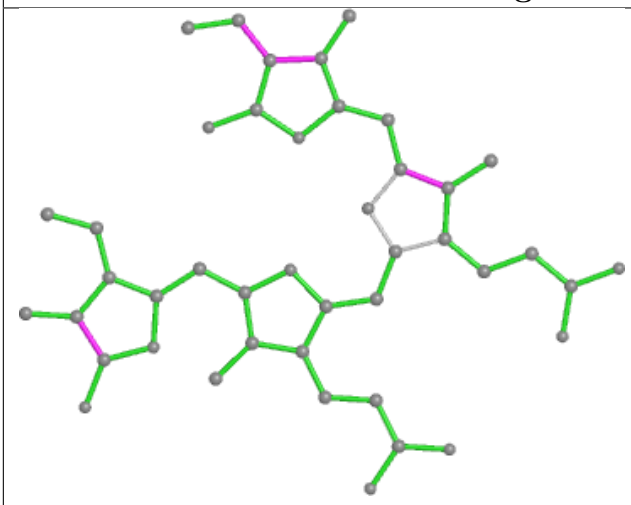


Rings

Ligand PEB N2 201



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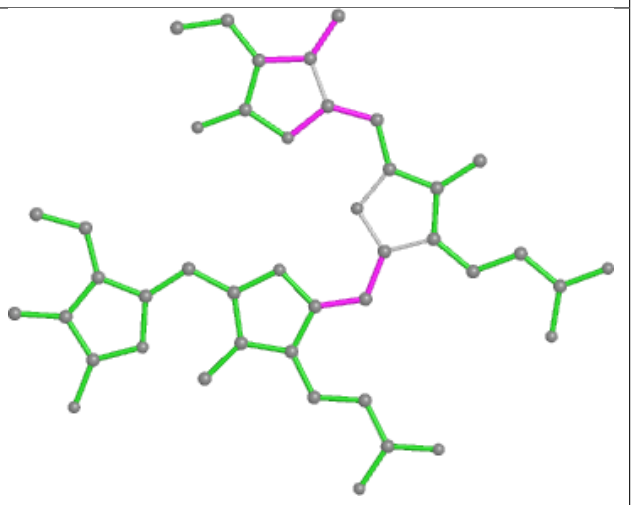

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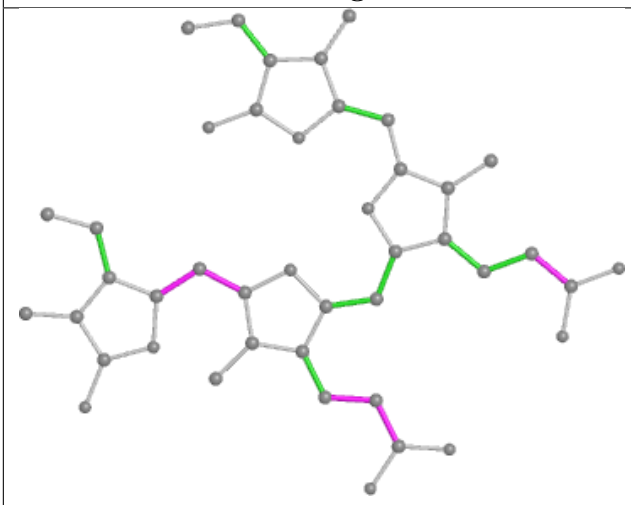

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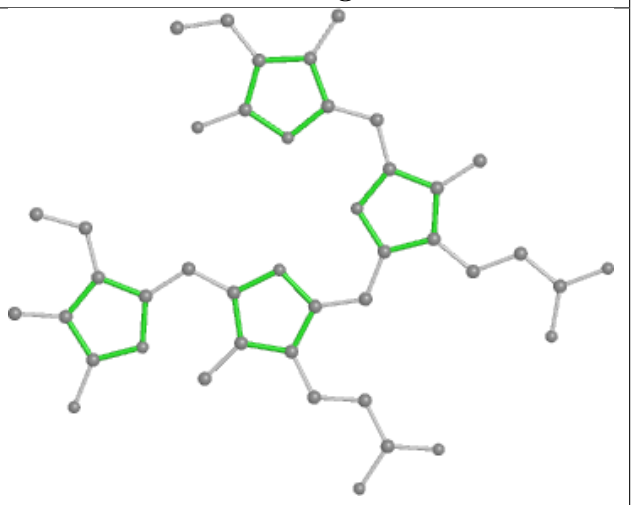
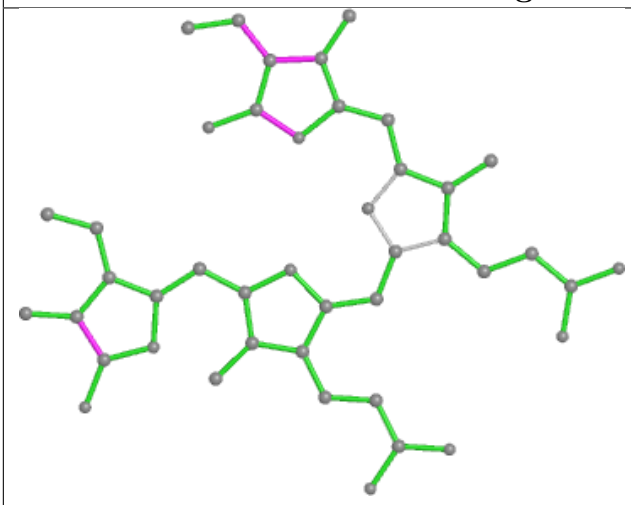


Rings

Ligand PEB eG 201



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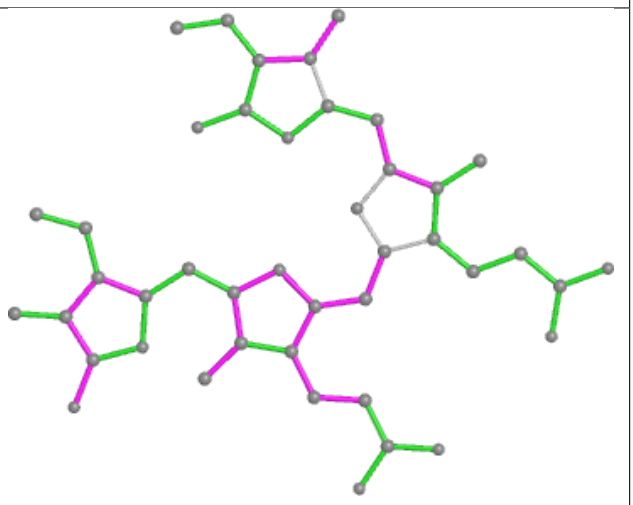

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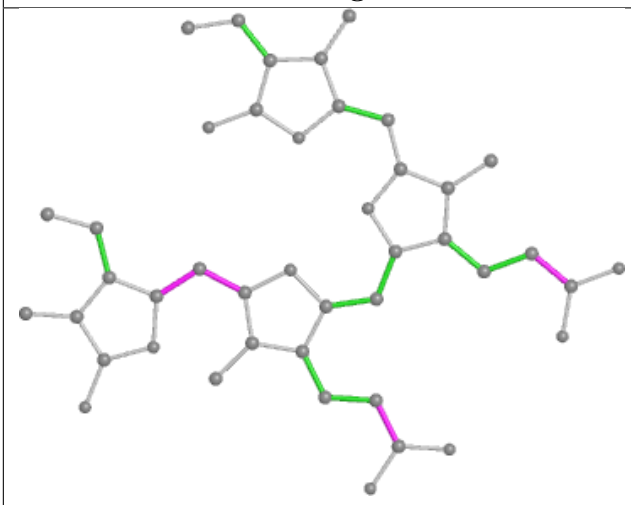

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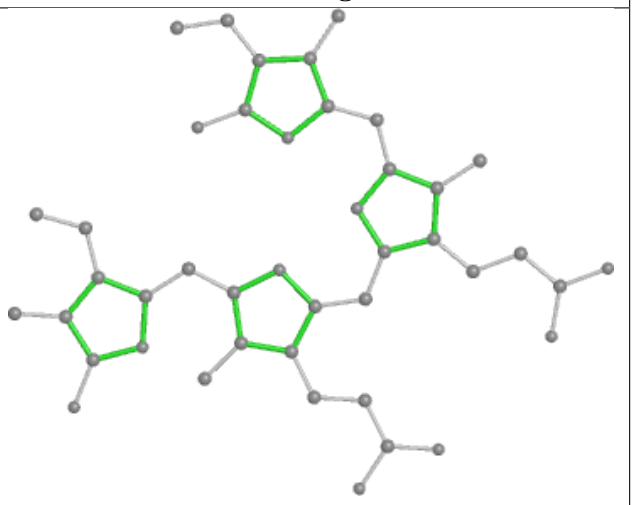
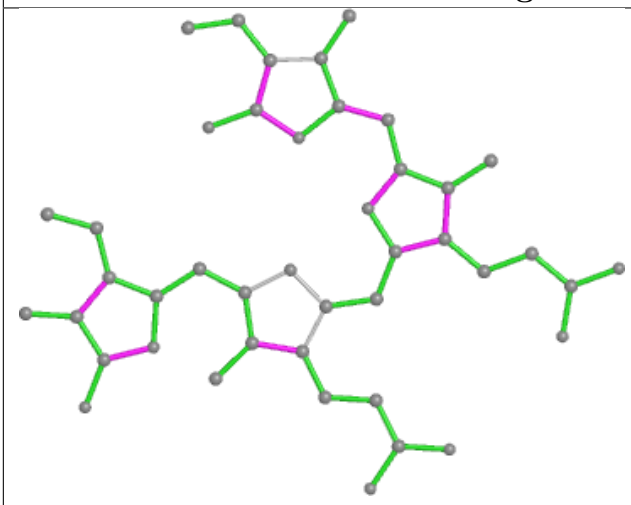


Rings

Ligand PUB L3 203



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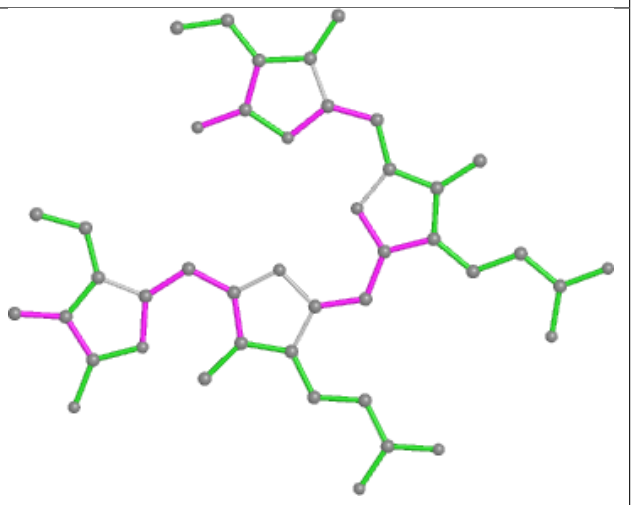

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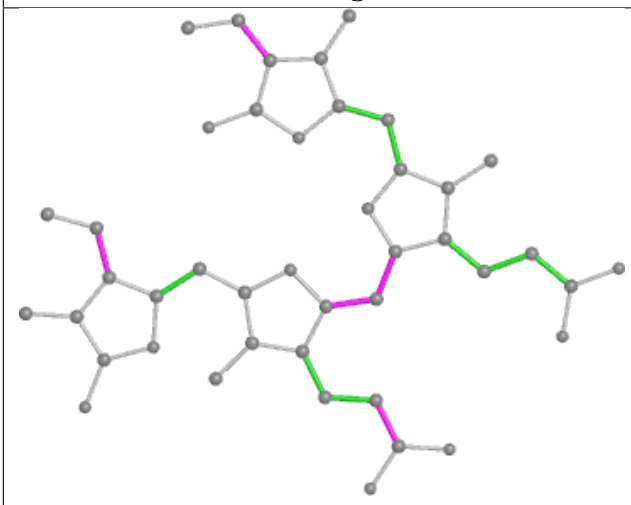

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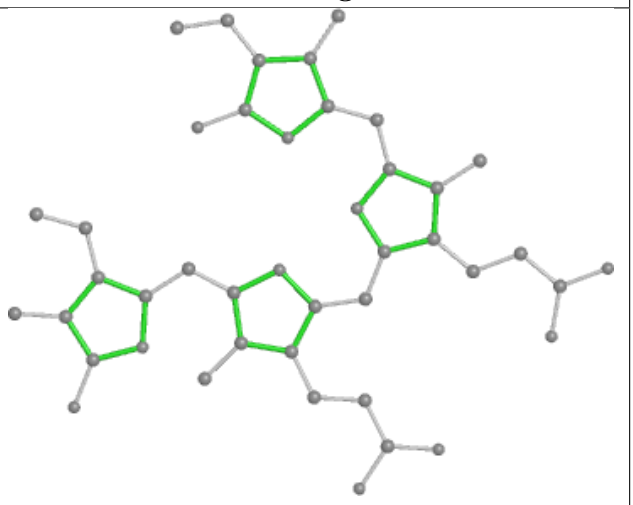

Rings

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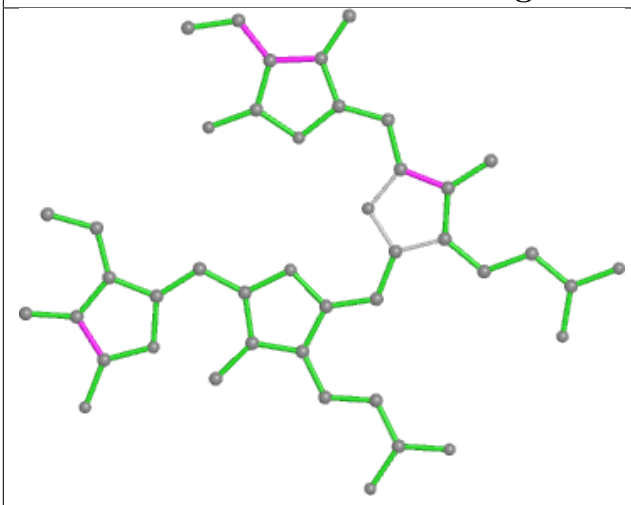

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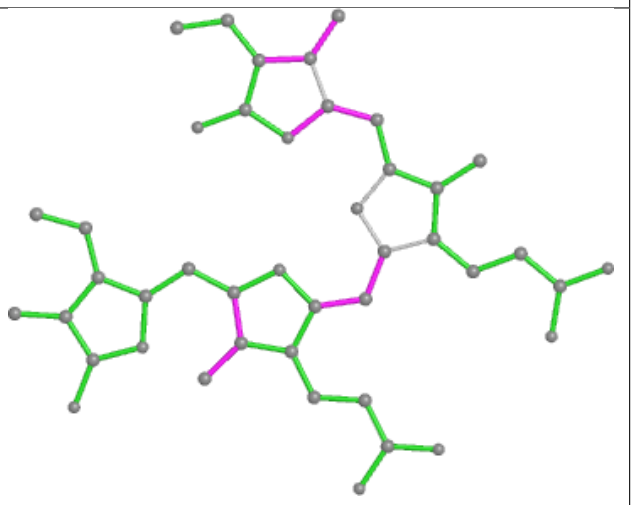

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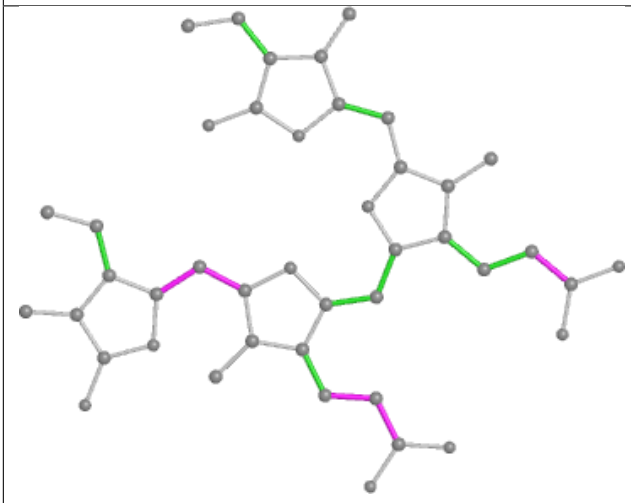

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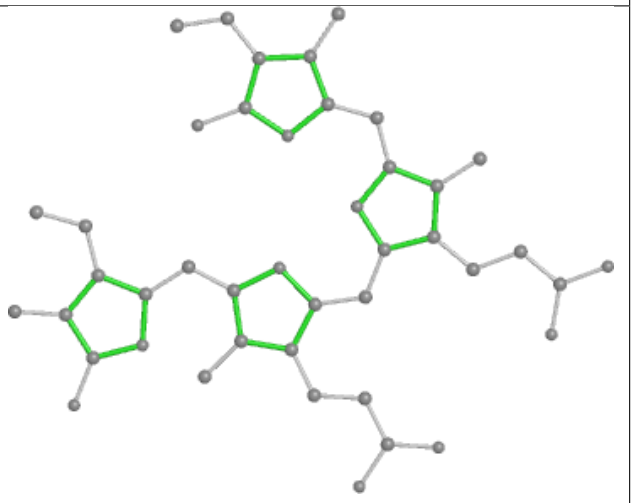
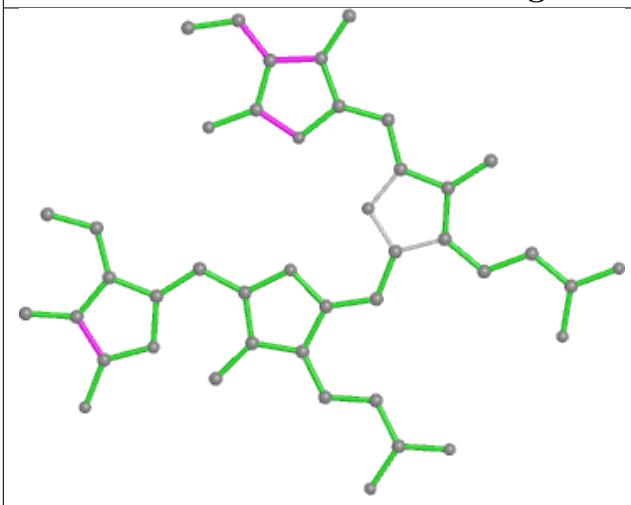


Rings

Ligand PEB fi 201



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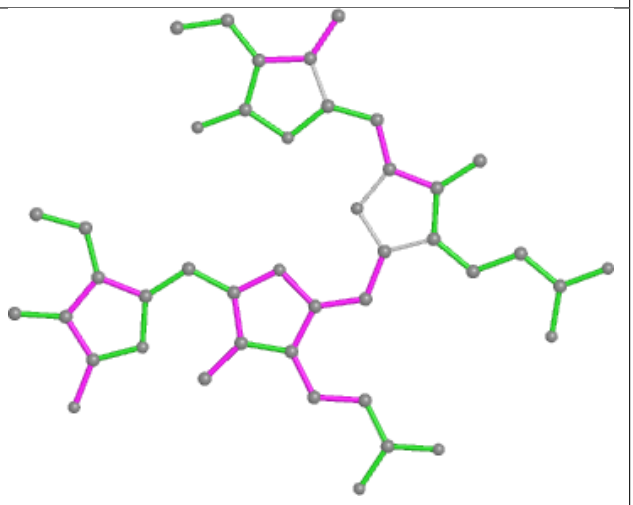

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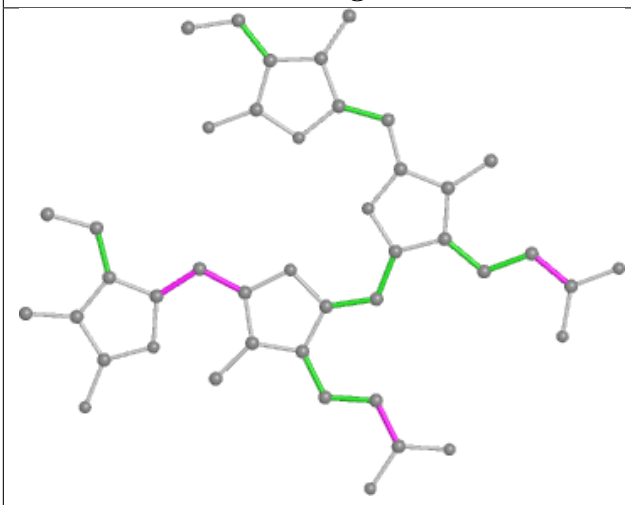

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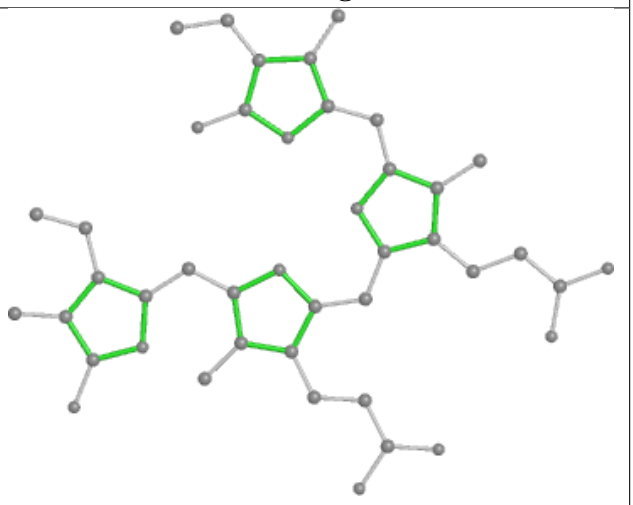
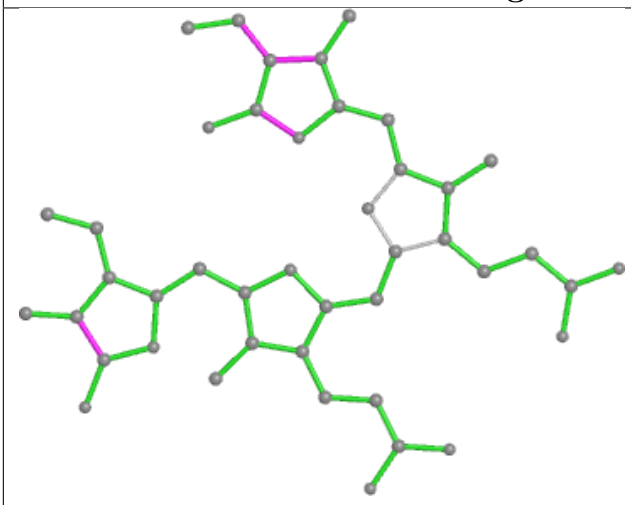


Rings

Ligand PEB hE 1001



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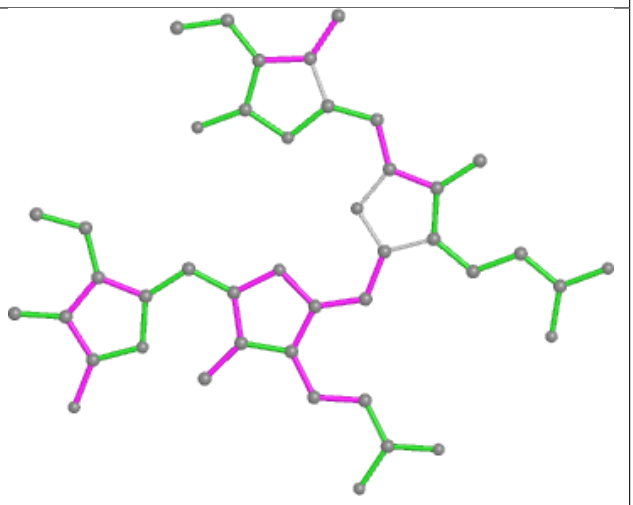
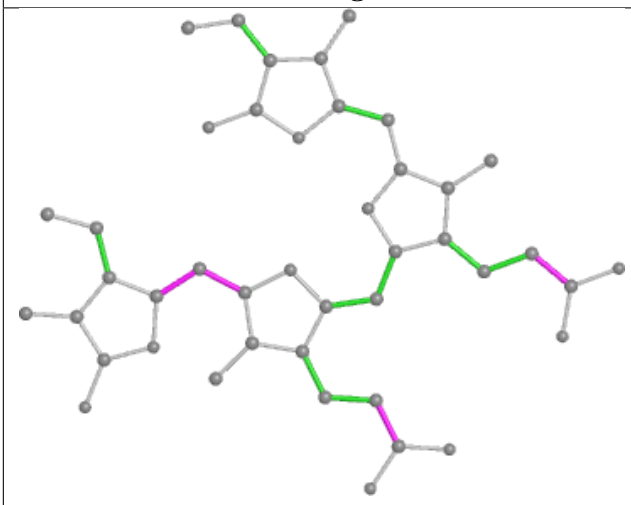


Bond angles



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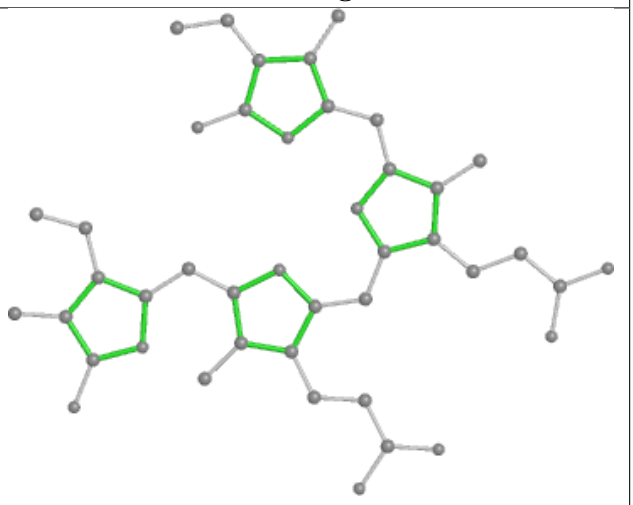
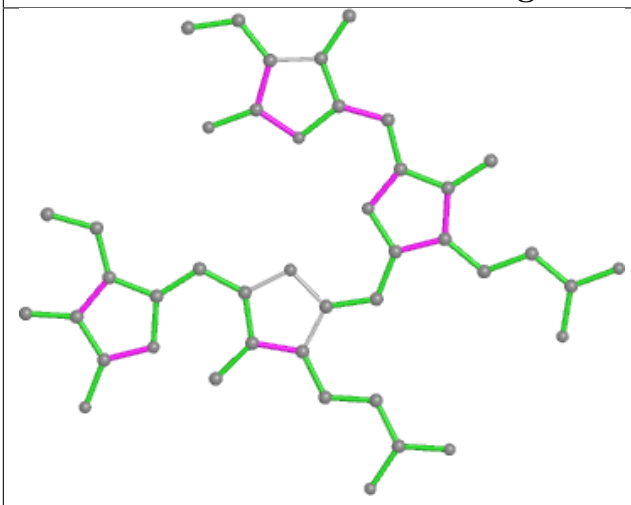


Rings

Ligand PUB y6 204



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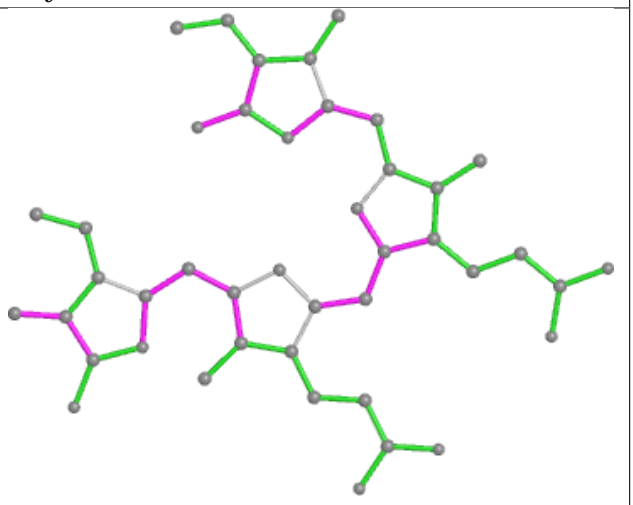

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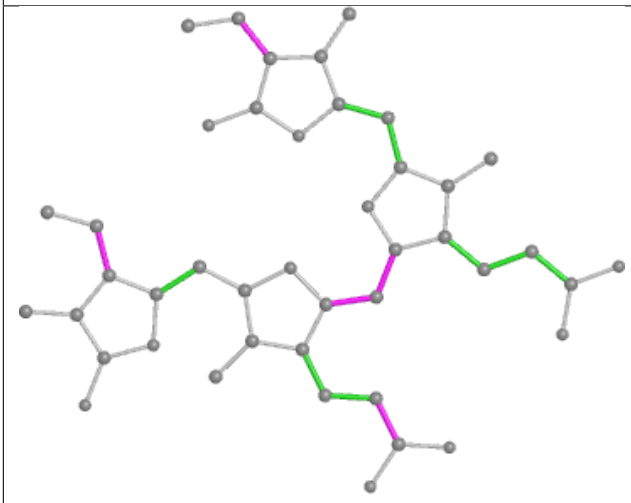

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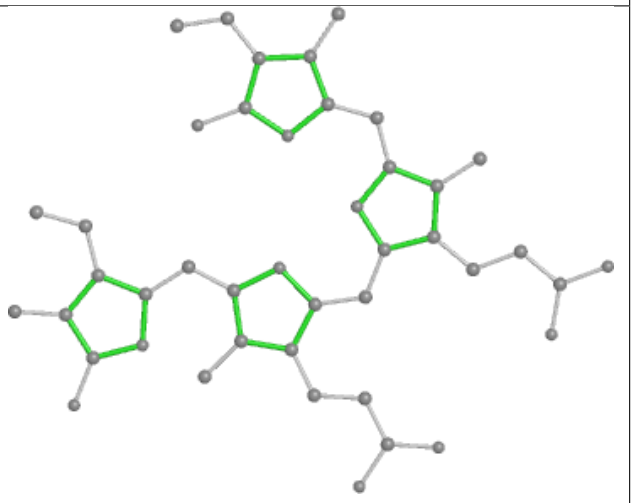

Rings

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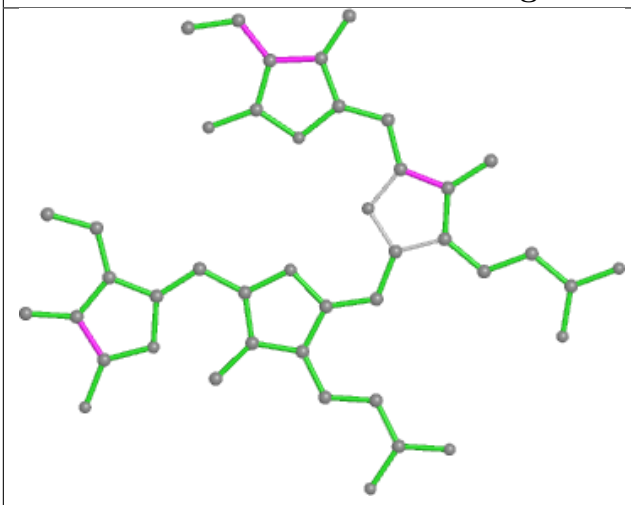

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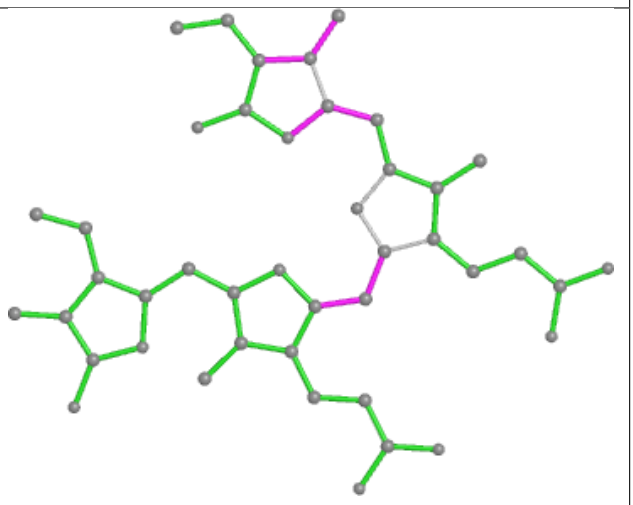

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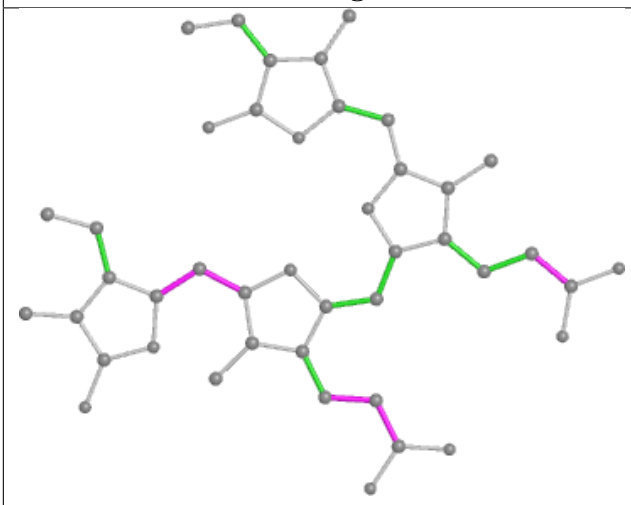

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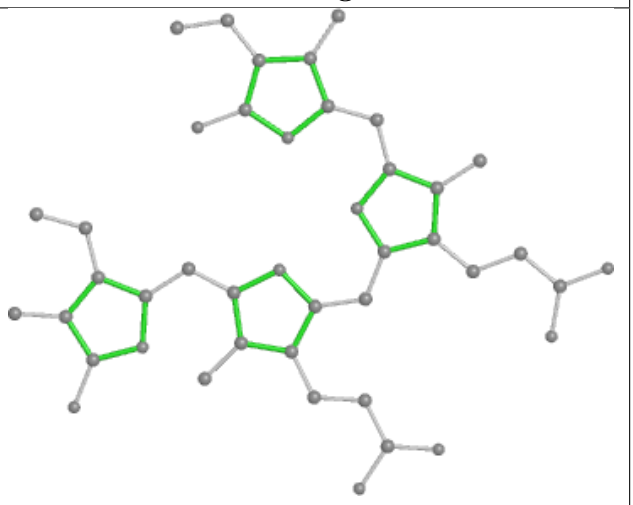
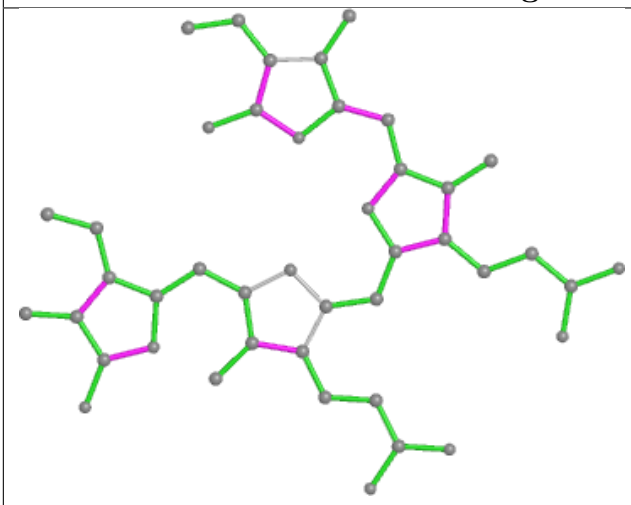


Rings

Ligand PUB f3 203



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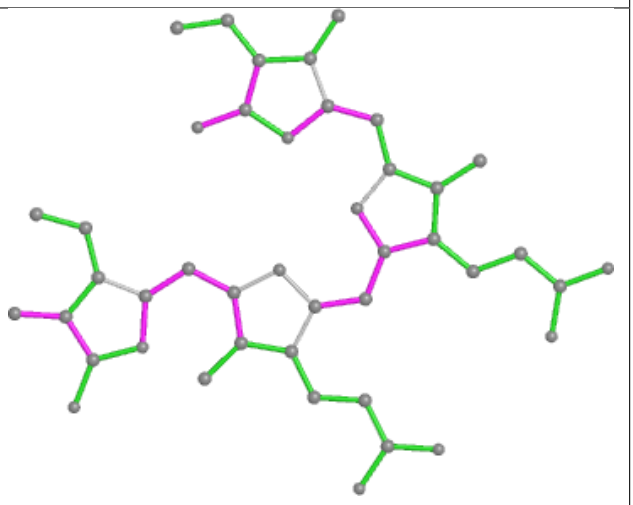

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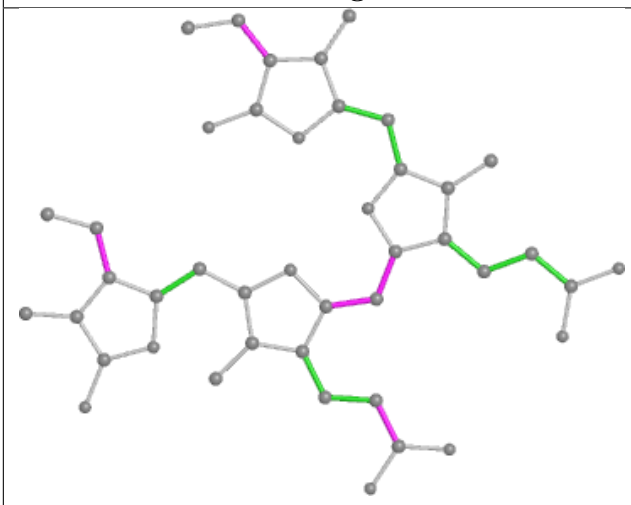

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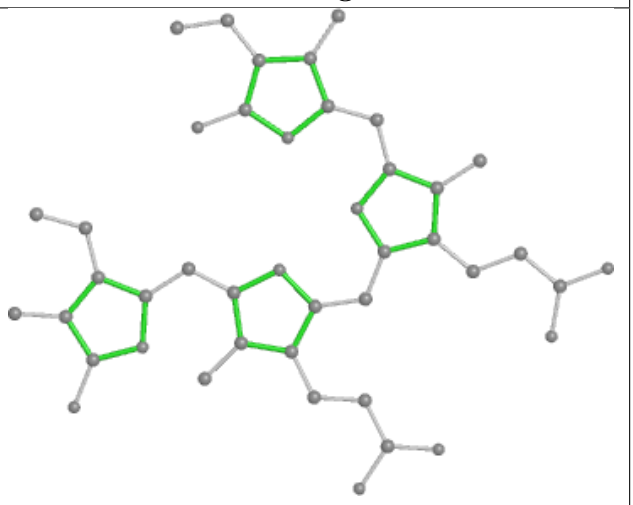

Rings

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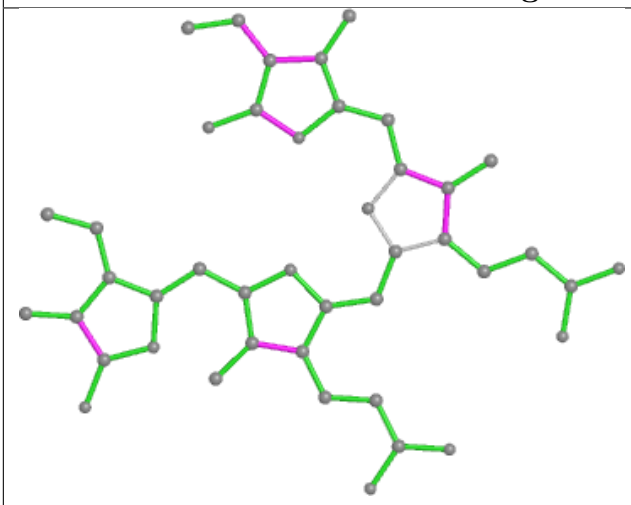

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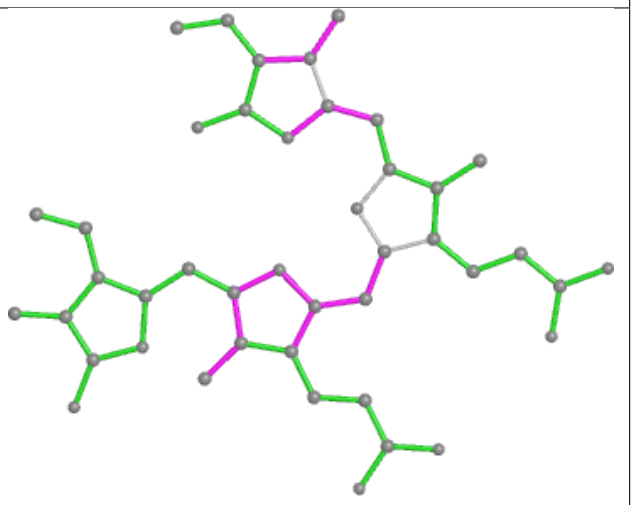

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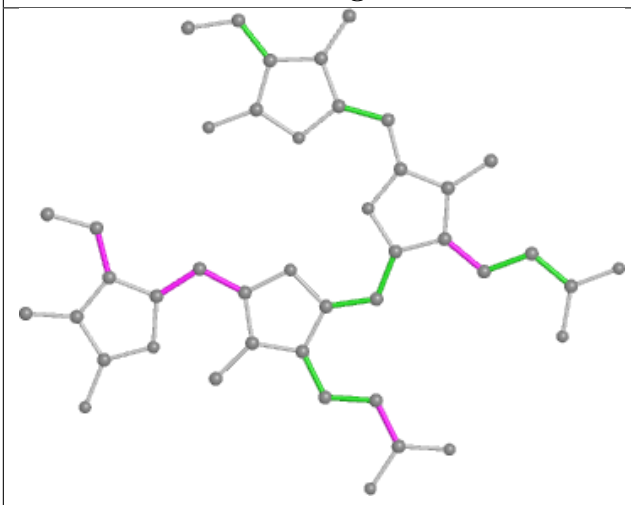

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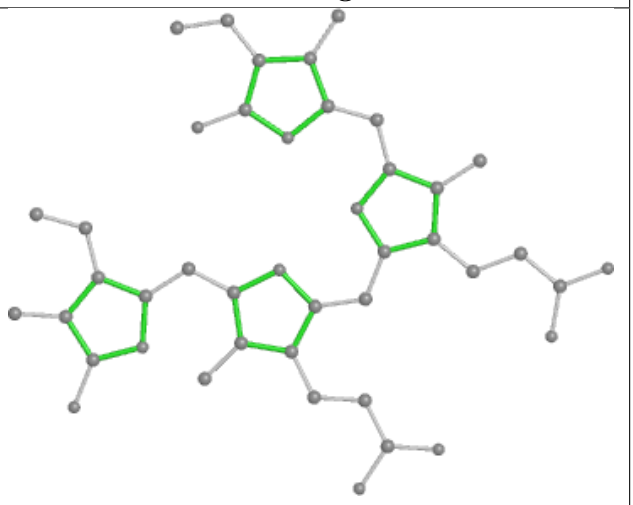
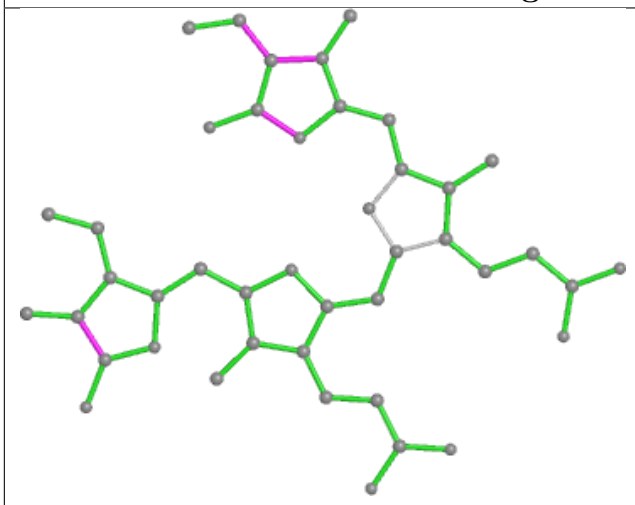


Rings

Ligand PEB c3 302



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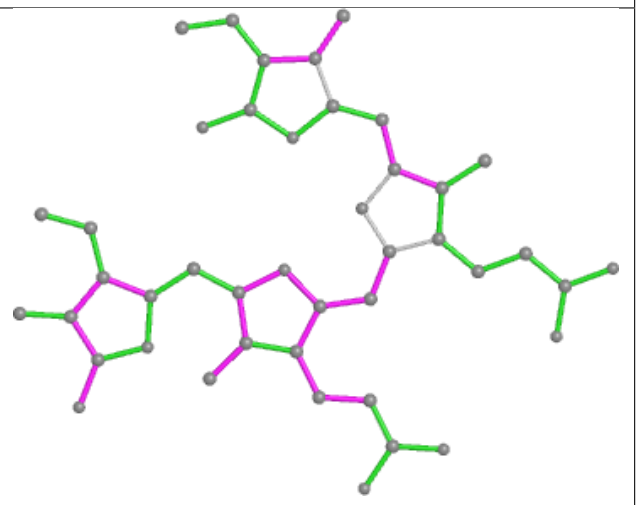
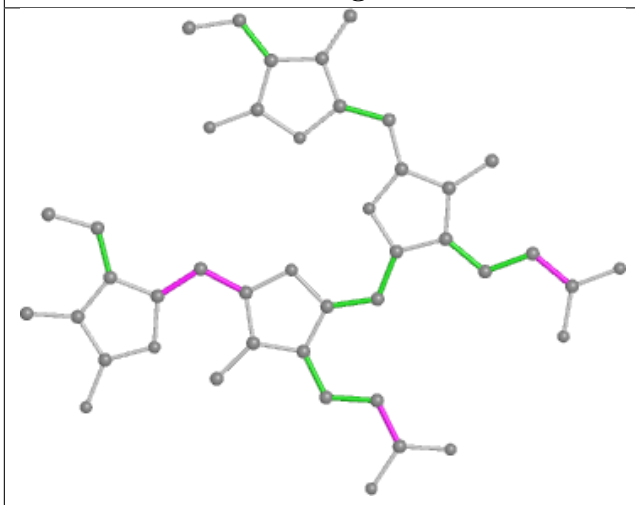
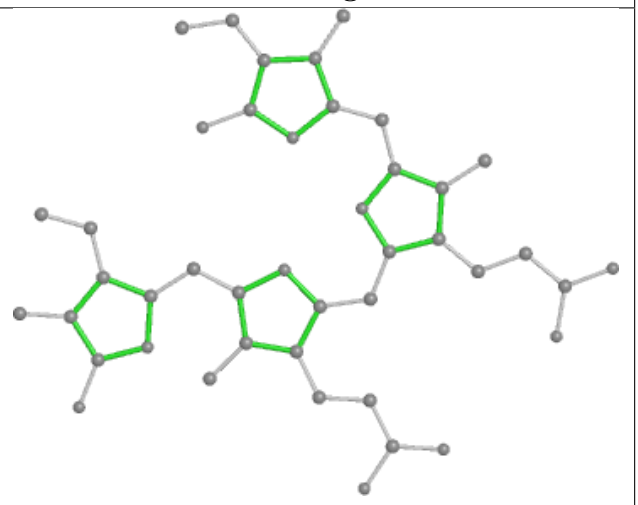


Bond angles

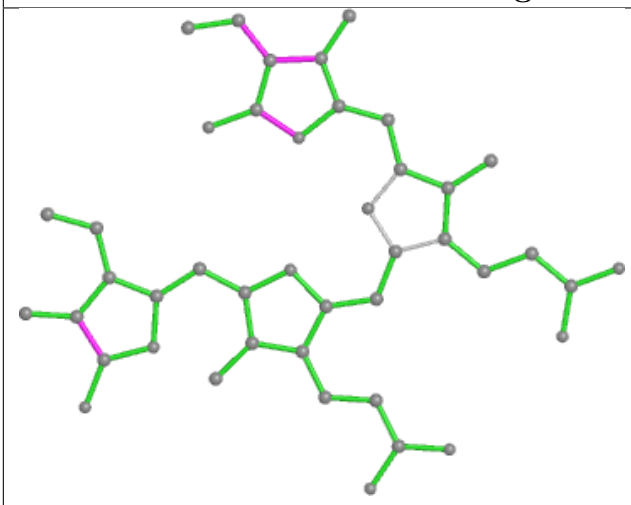


Torsions



Rings

Ligand PEB dX 201



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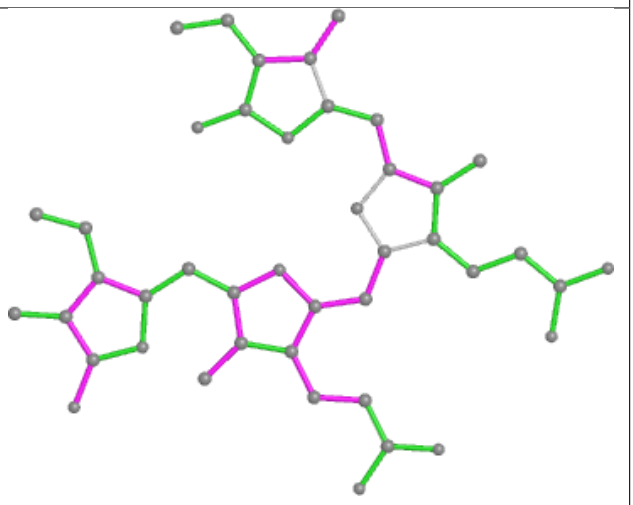
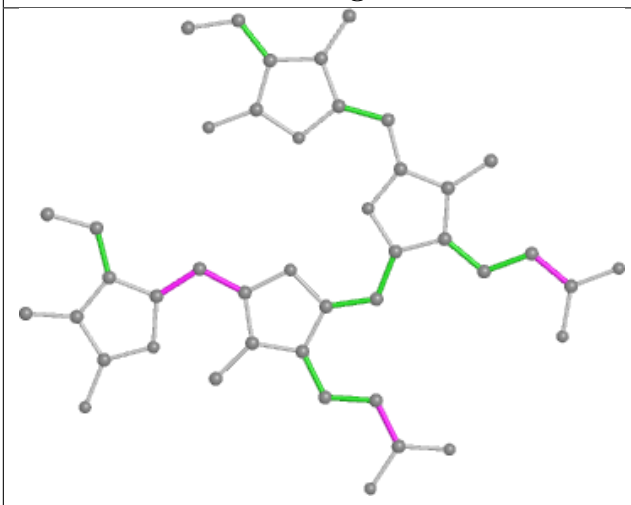


Bond angles



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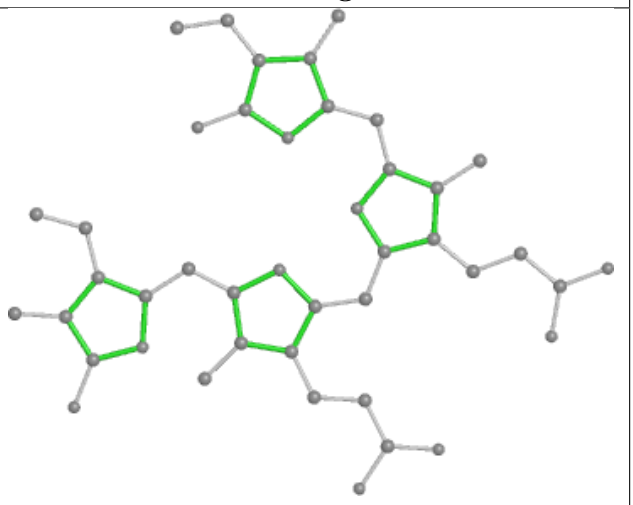
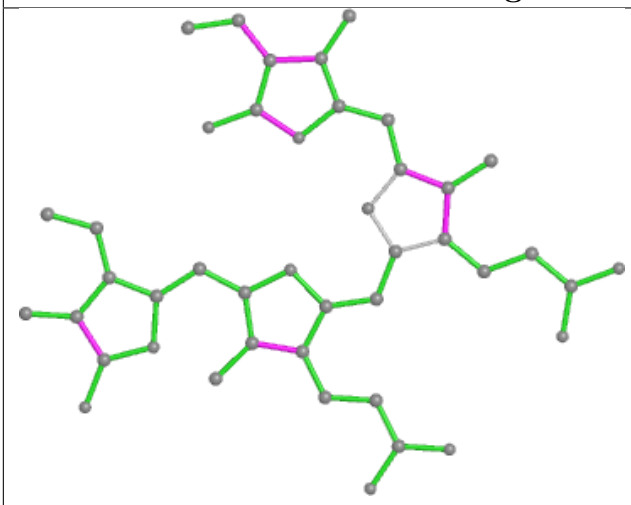


Rings

Ligand PEB m5 1003



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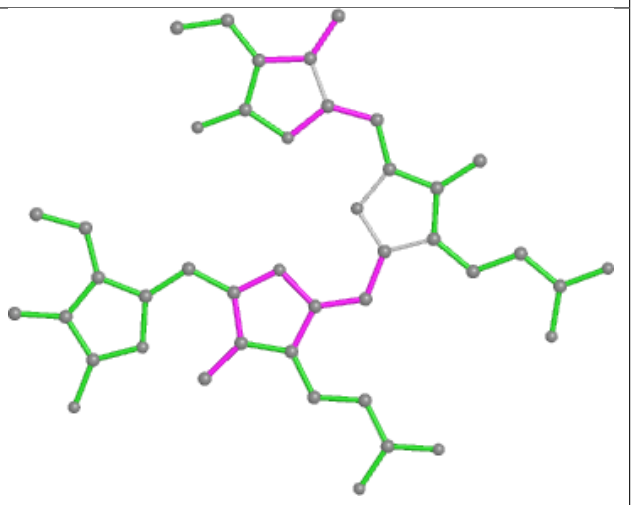

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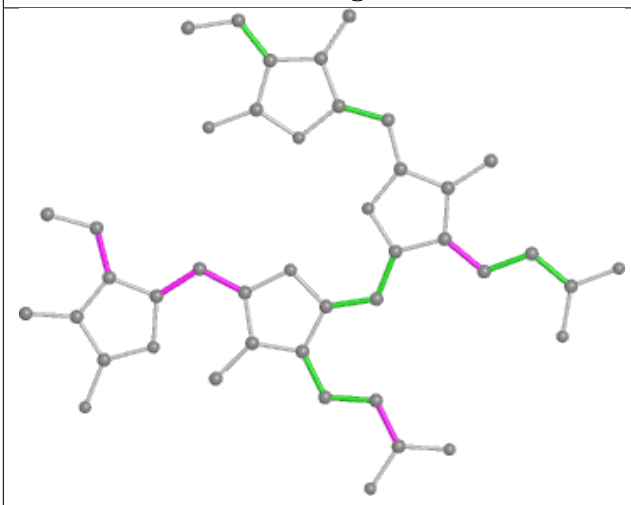

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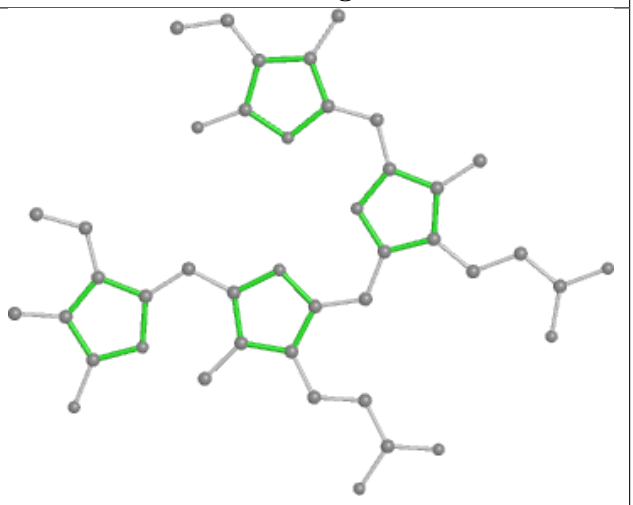
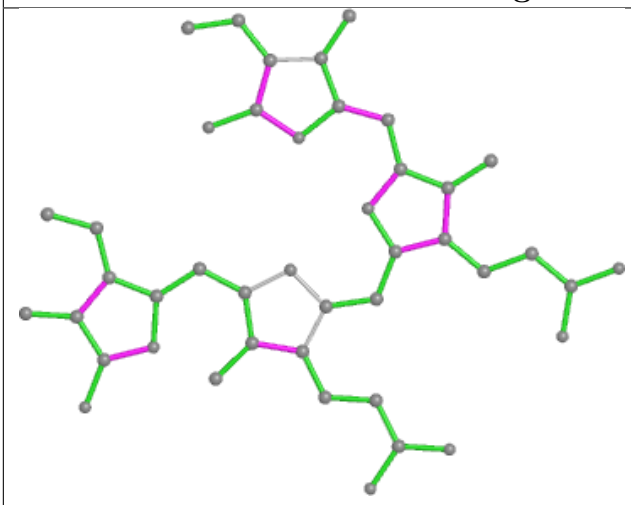


Rings

Ligand PUB V4 203



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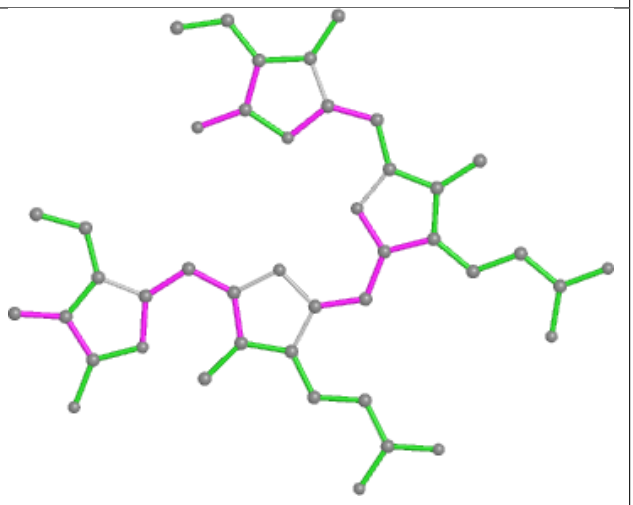

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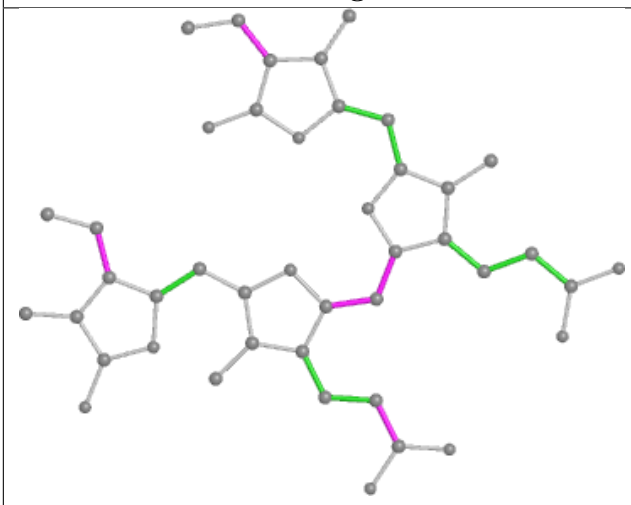

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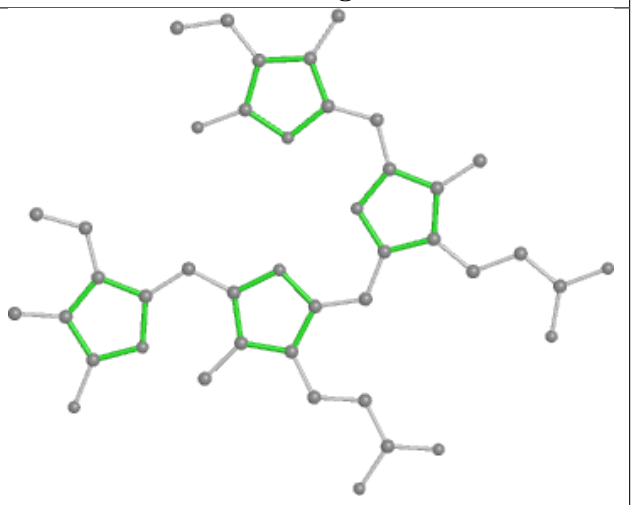
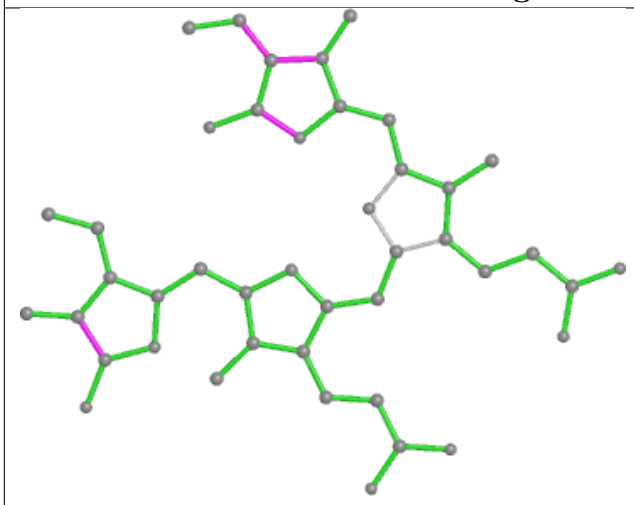


Rings

Ligand PEB iE 1001



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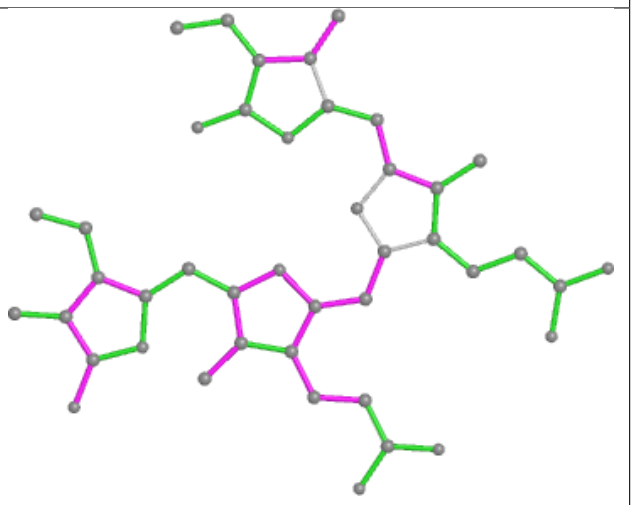

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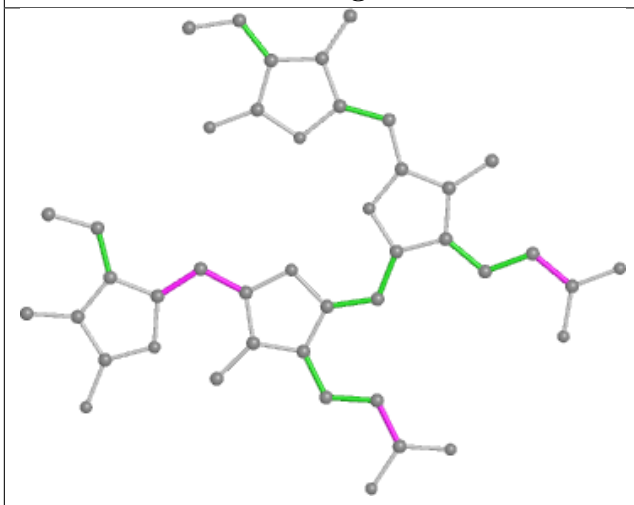

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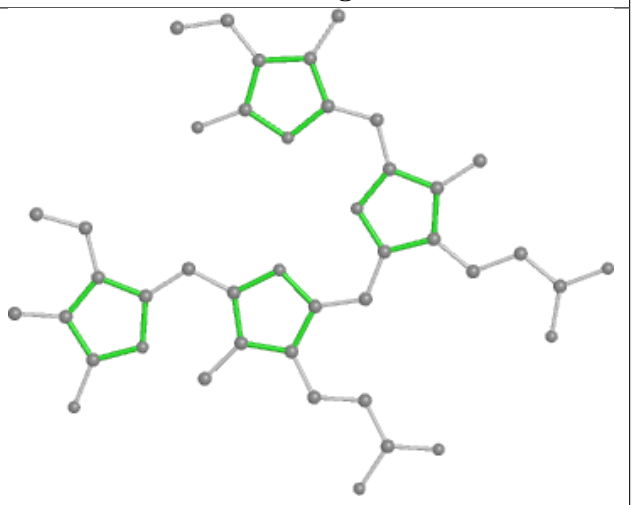
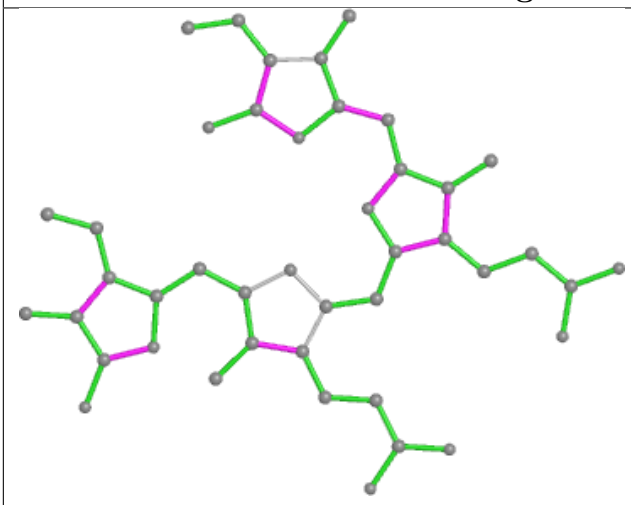


Rings

Ligand PUB L9 203



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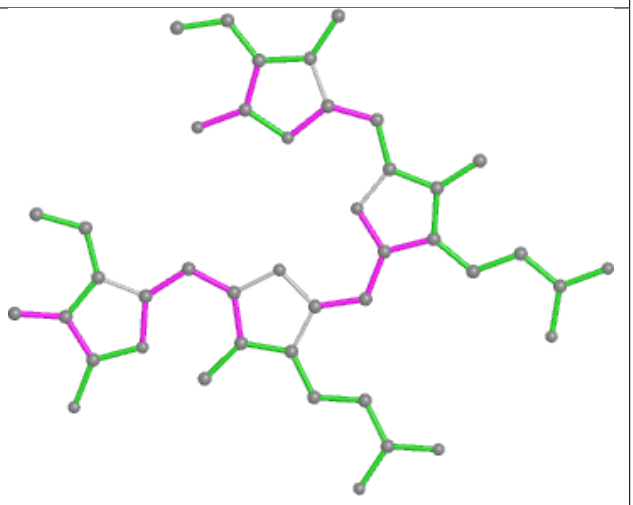

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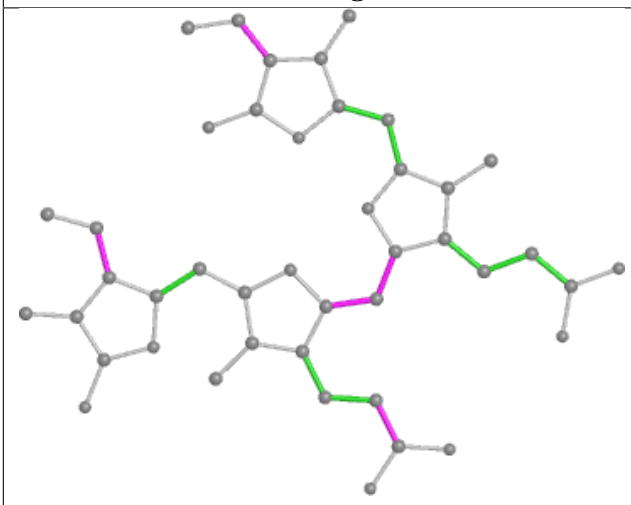

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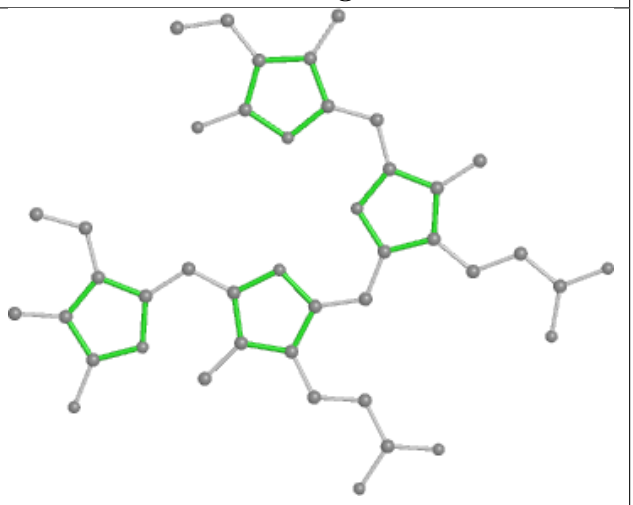
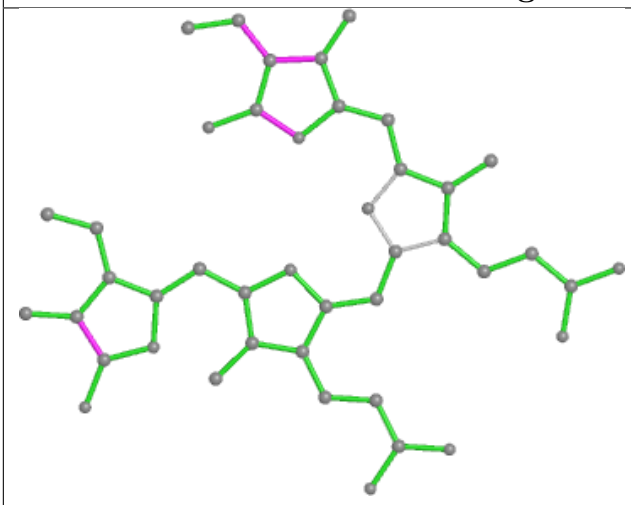


Rings

Ligand PEB bS 201



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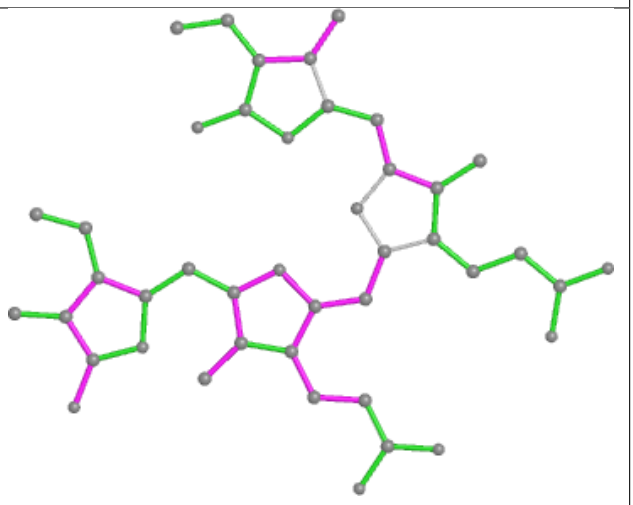

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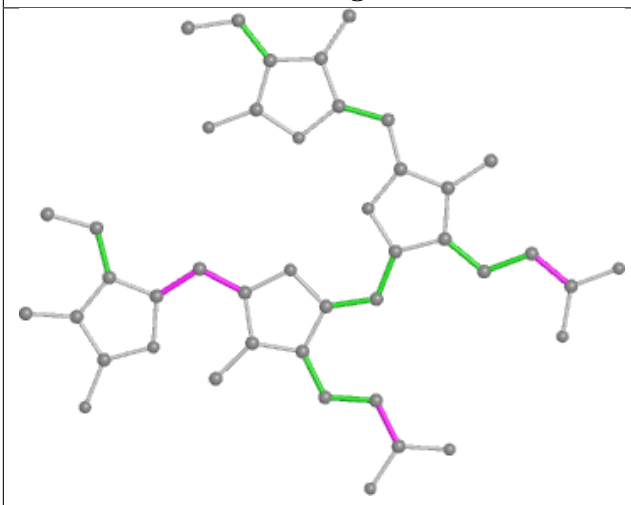

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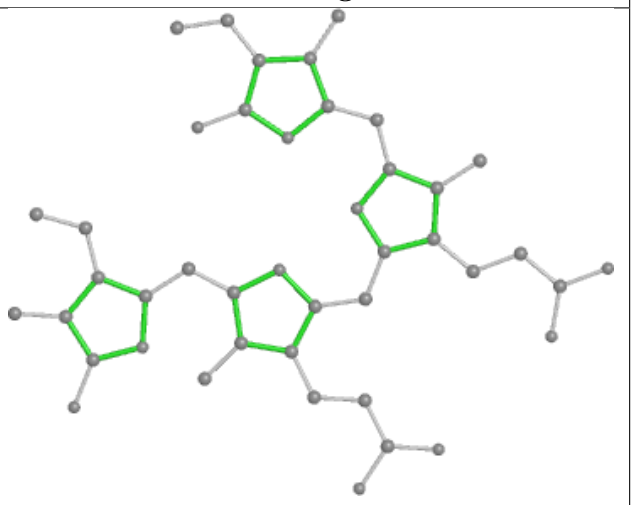
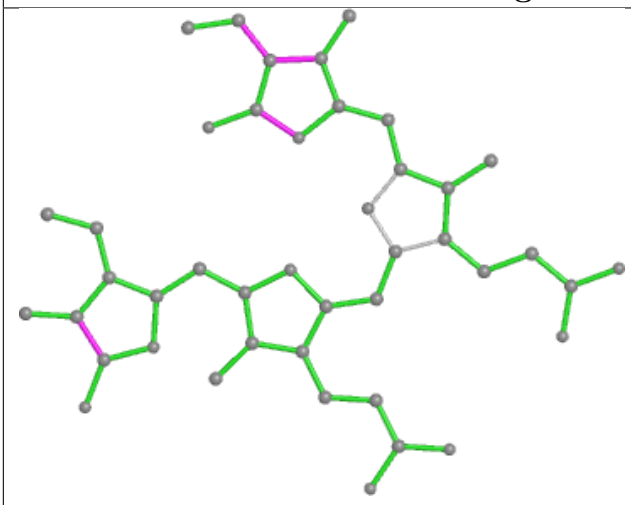


Rings

Ligand PEB K6 201



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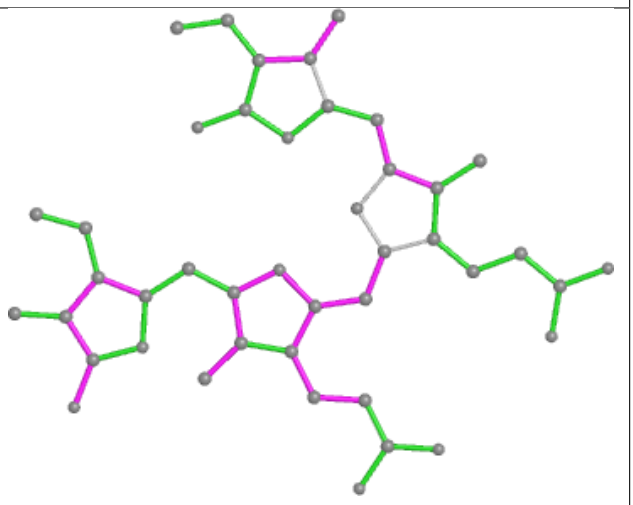

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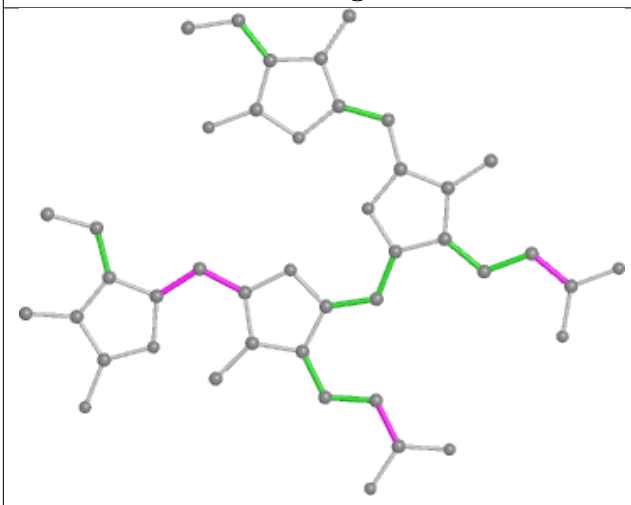

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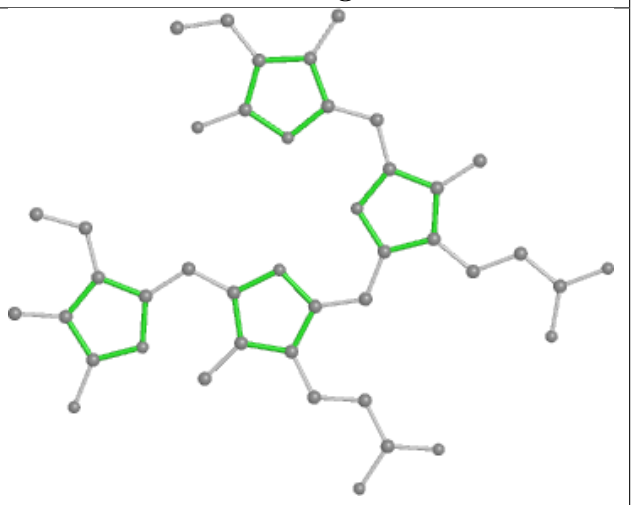
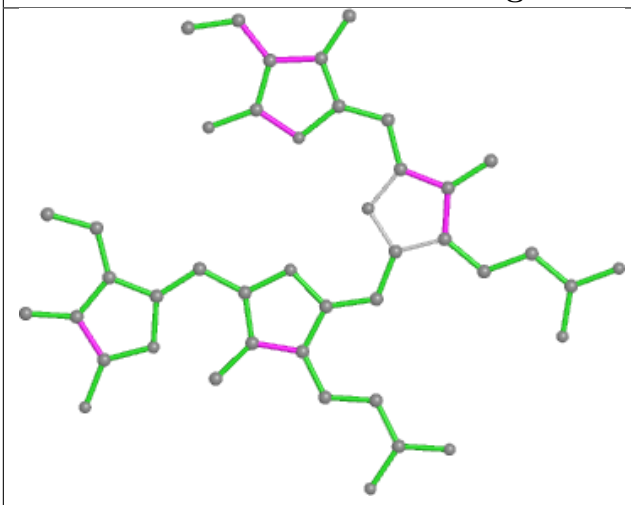


Rings

Ligand PEB A2 1003



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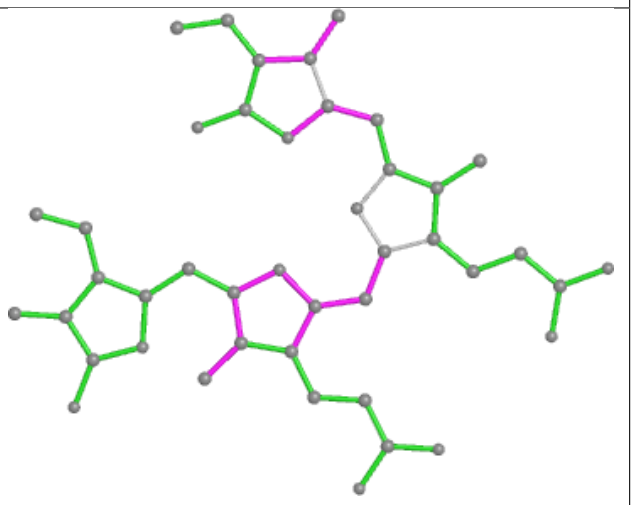

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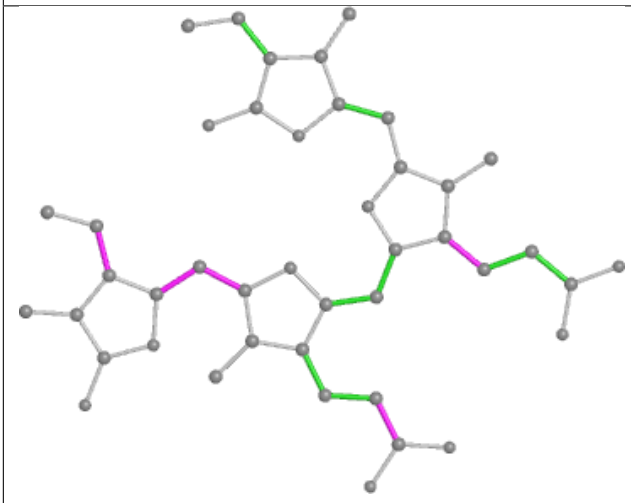

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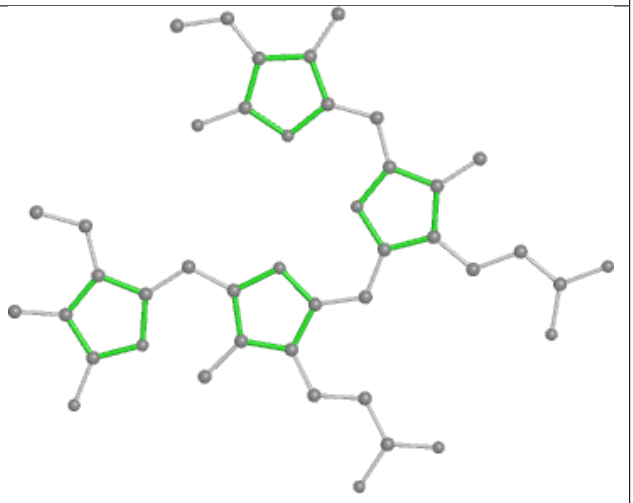
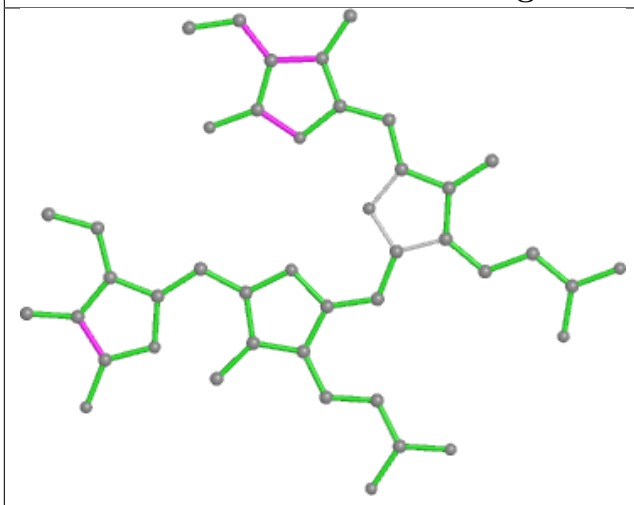


Rings

Ligand PEB B5 201



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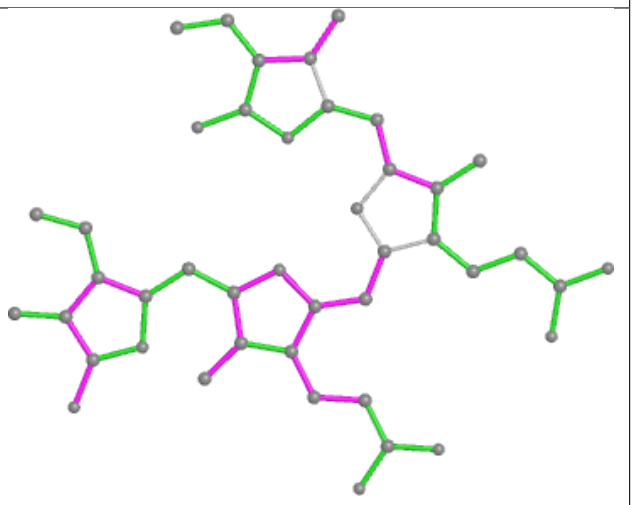

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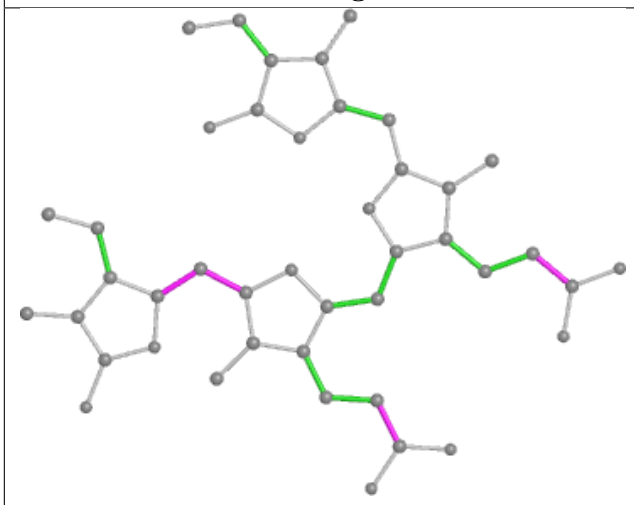

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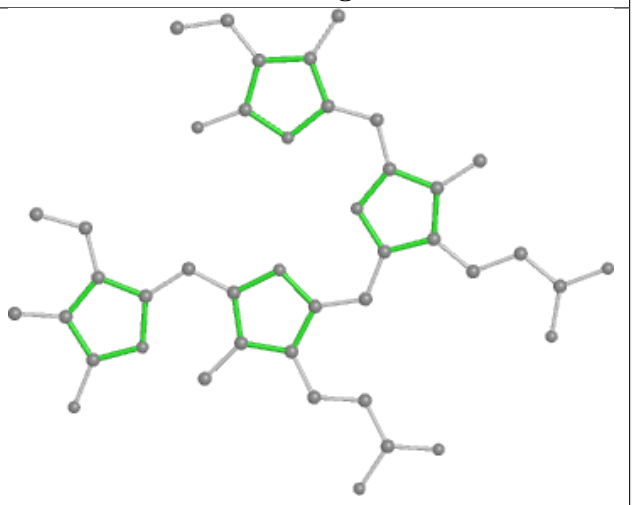
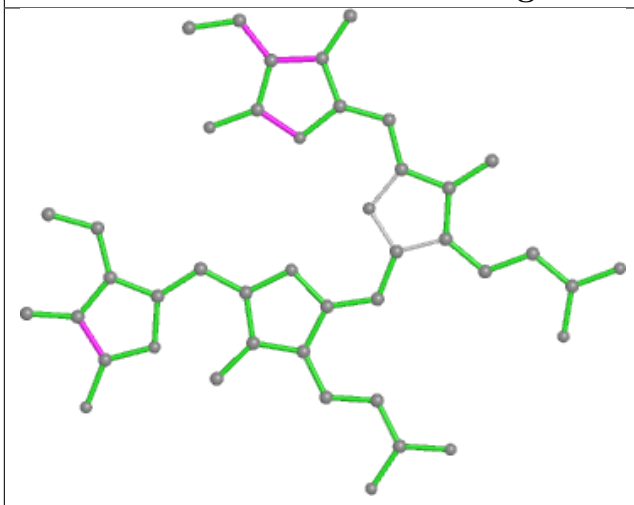


Rings

Ligand PEB T5 201



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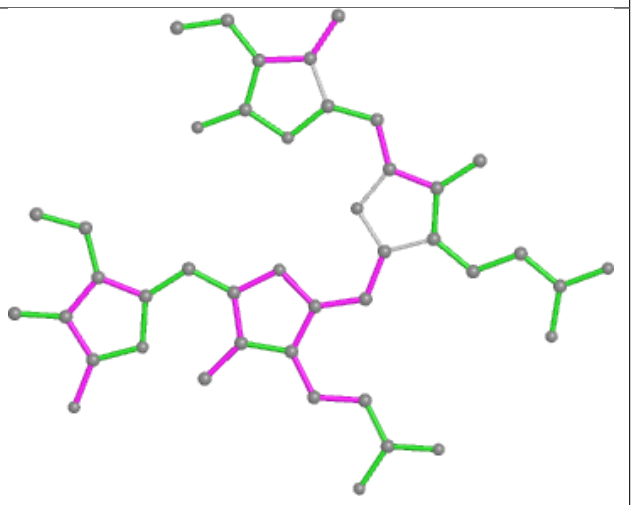

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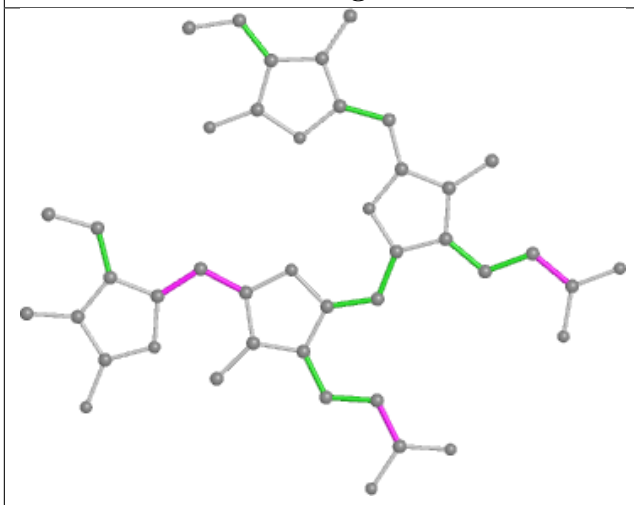

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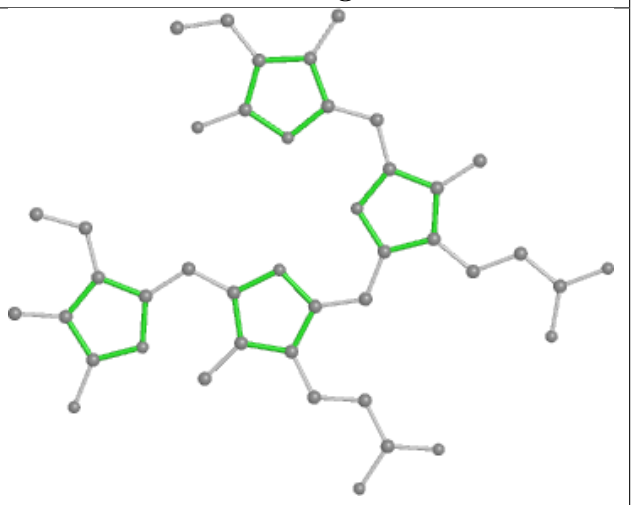

Rings

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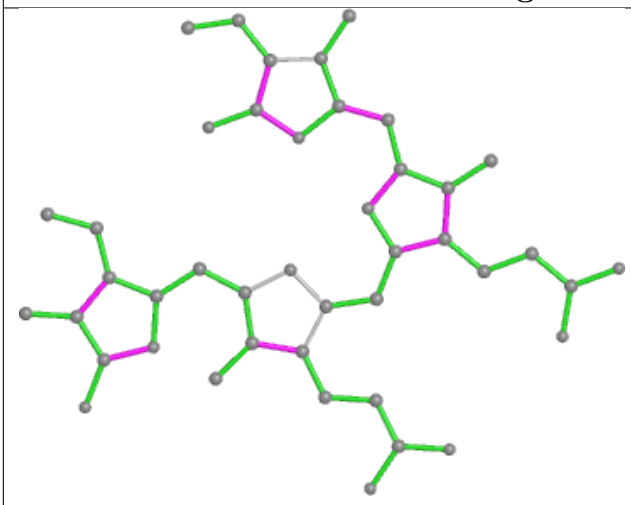

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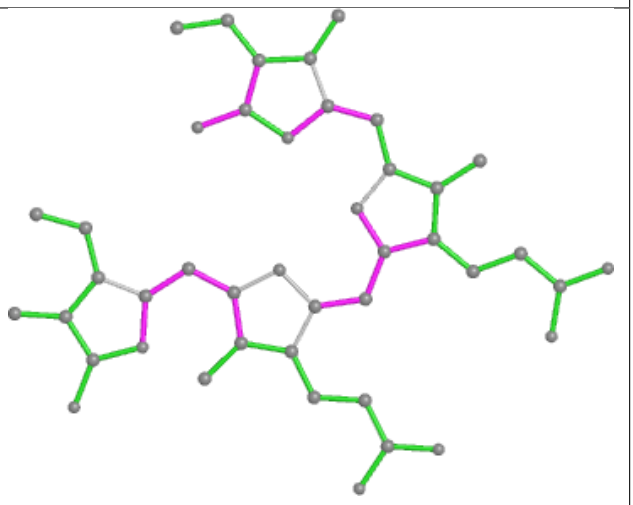

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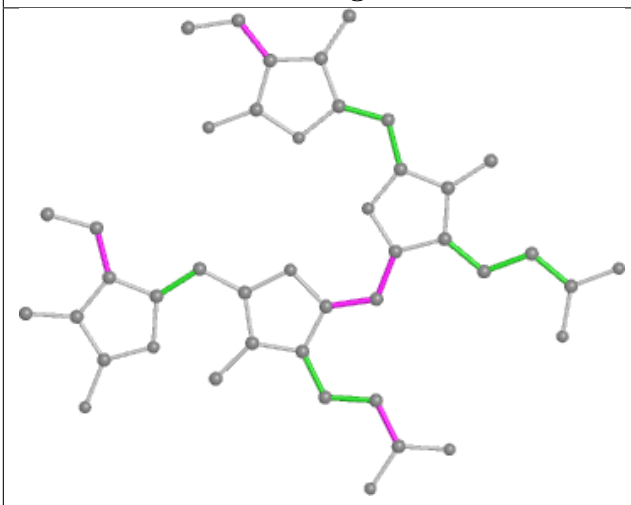

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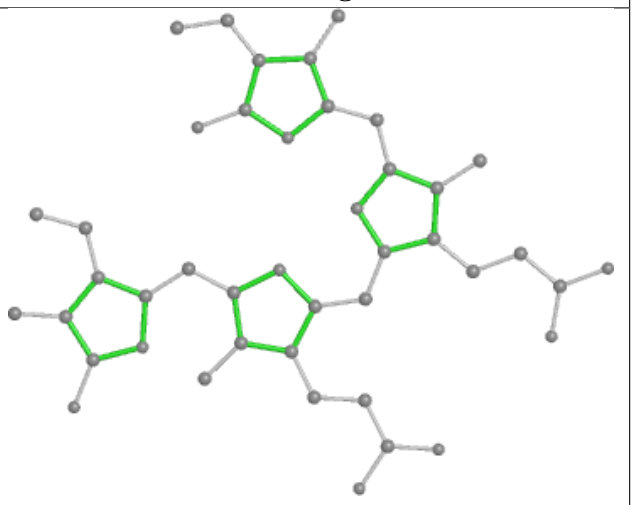
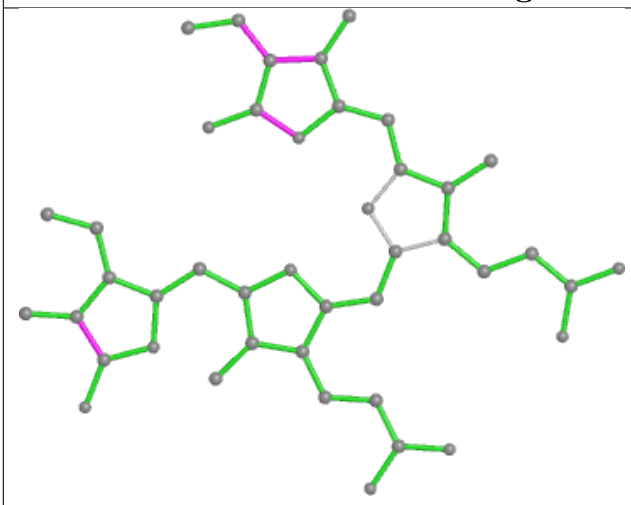


Rings

Ligand PEB O5 201



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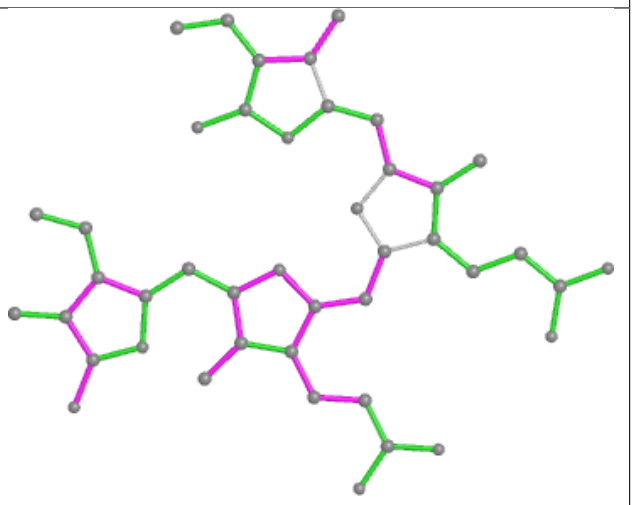

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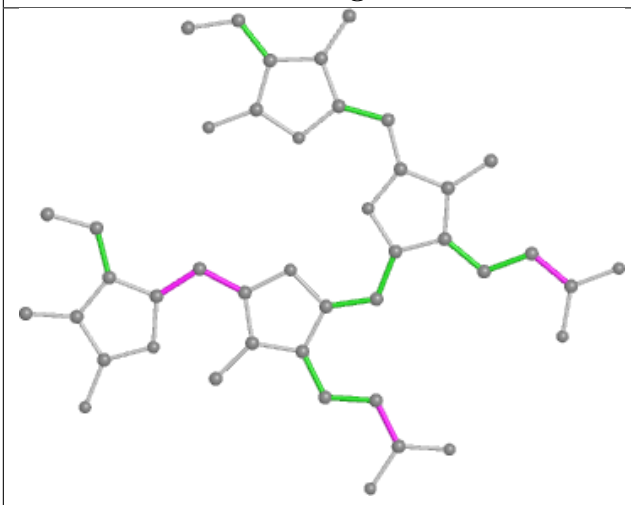

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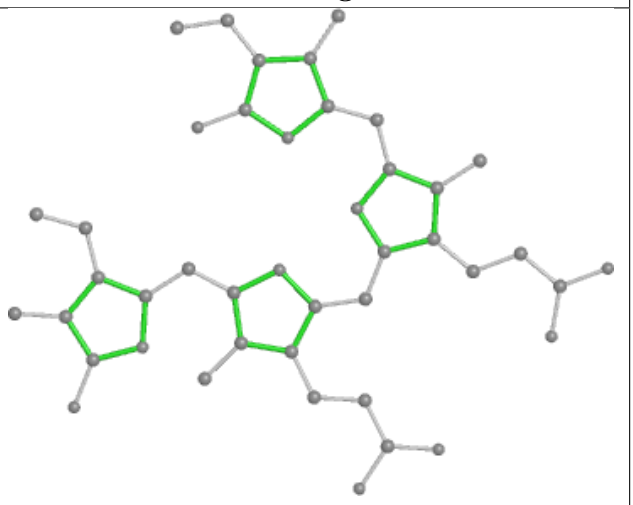

Rings

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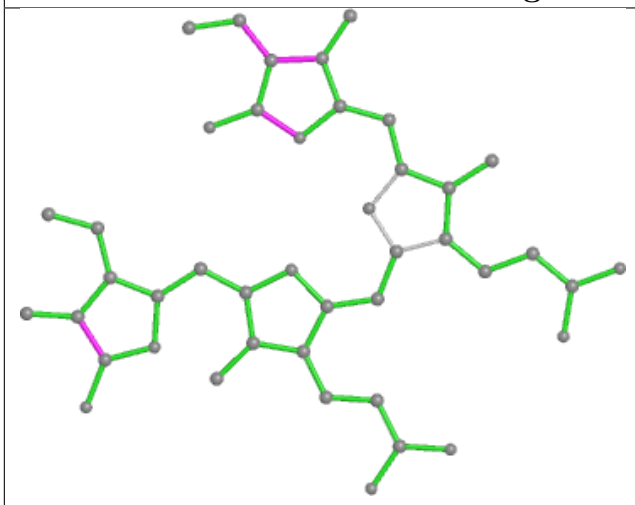

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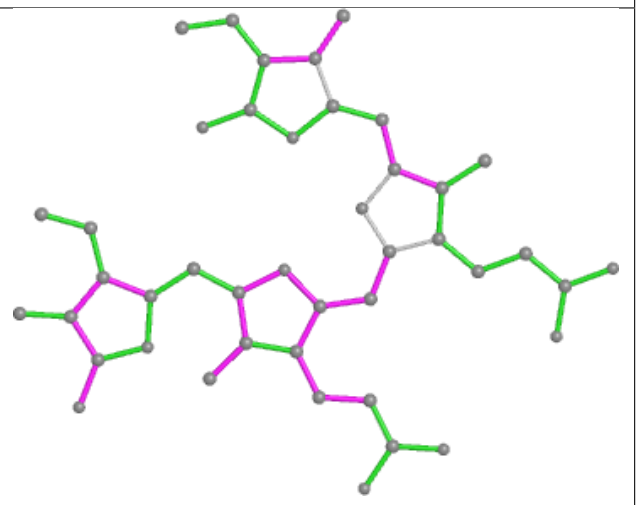
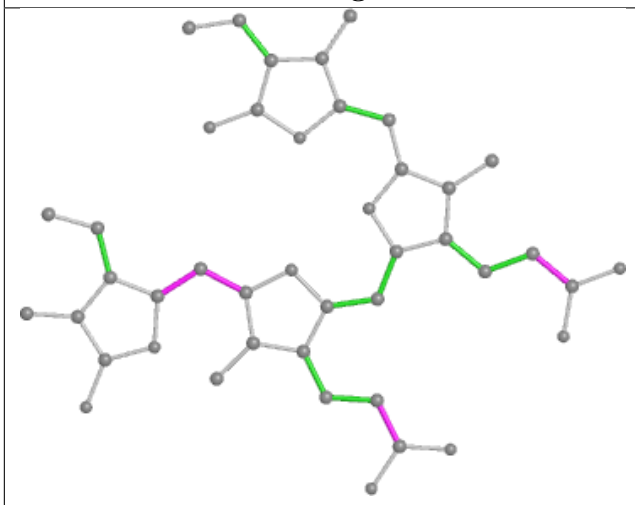


Bond angles



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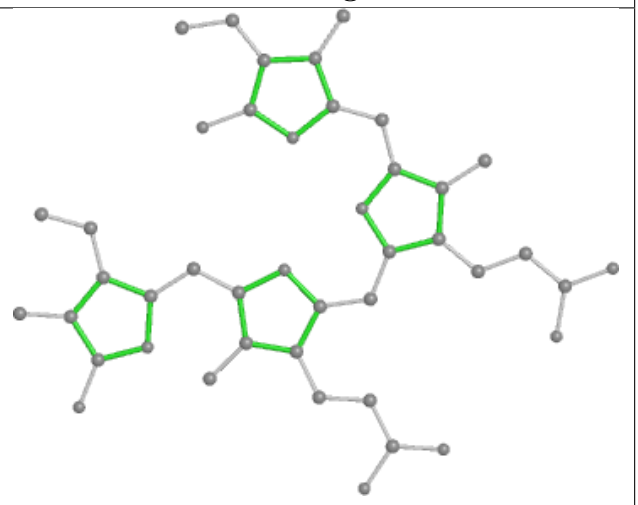
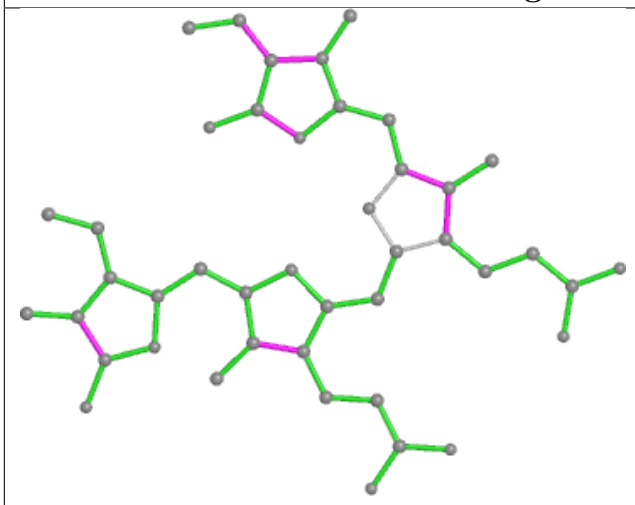


Rings

Ligand PEB fg 201



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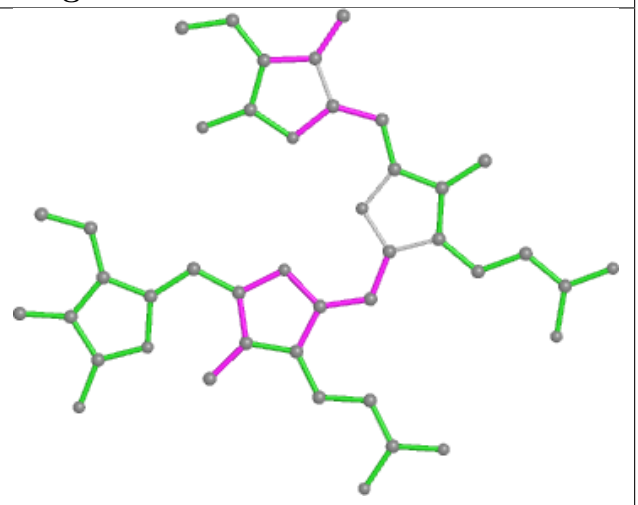

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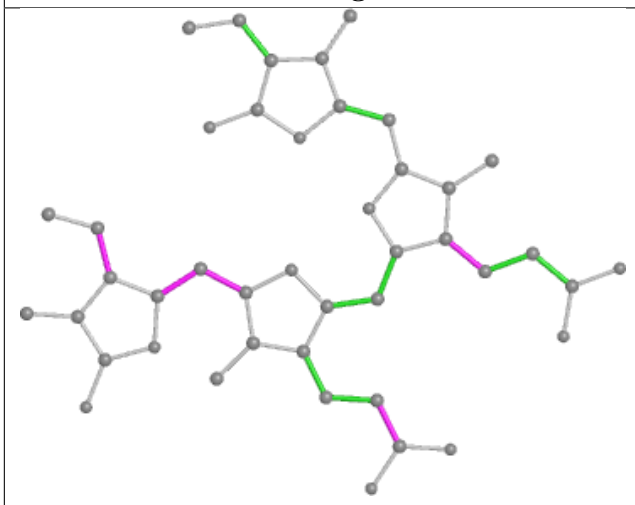
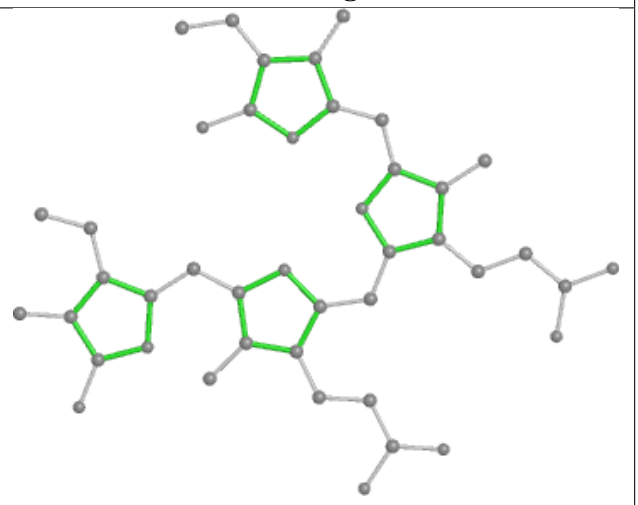
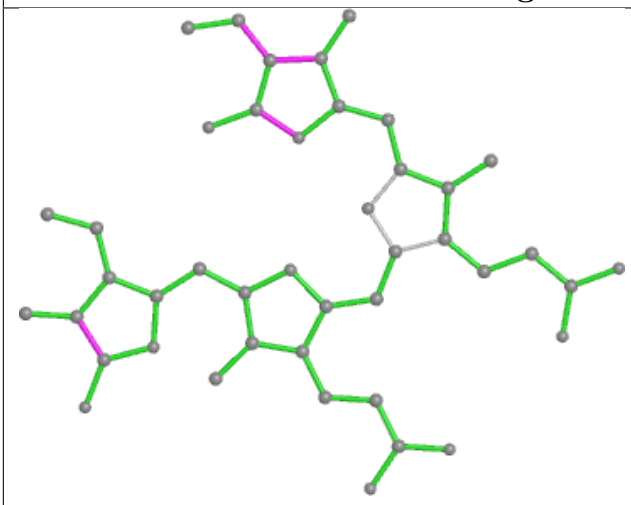


Torsions



Rings

Ligand PEB hL 201



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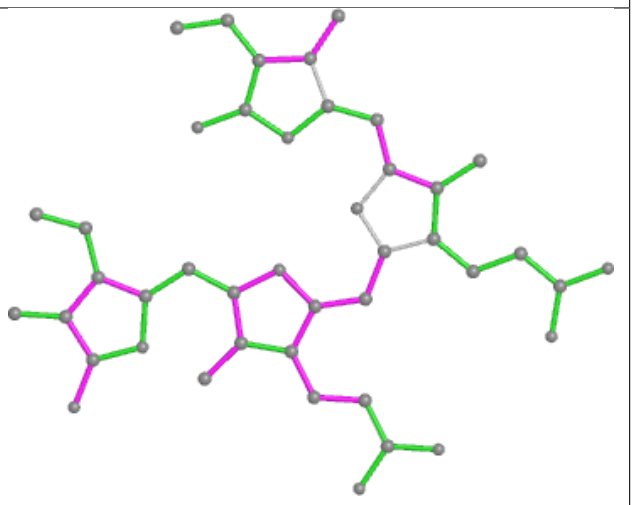

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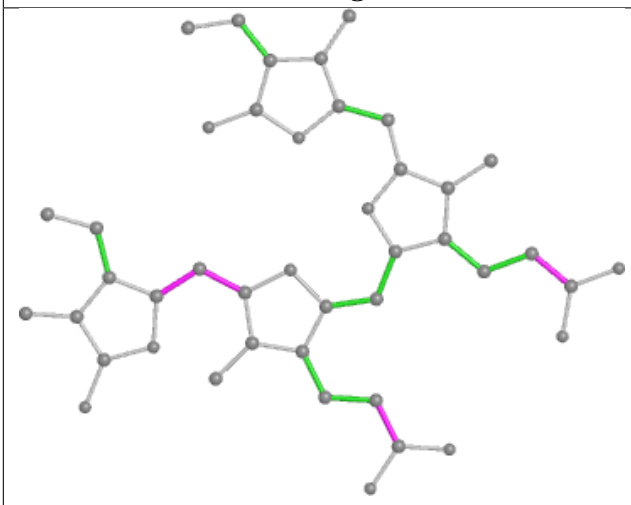

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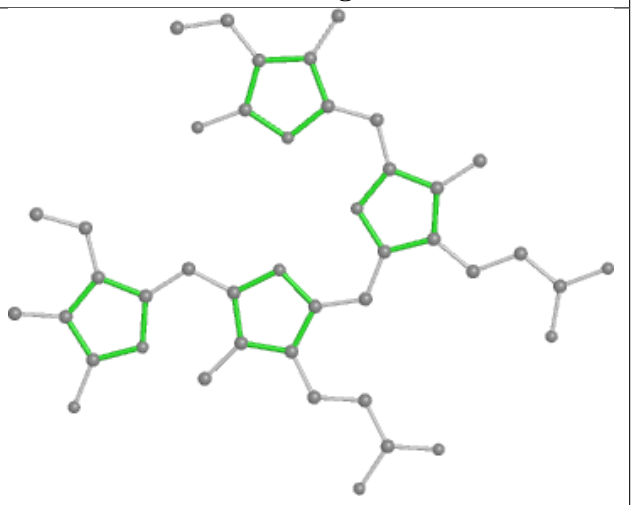
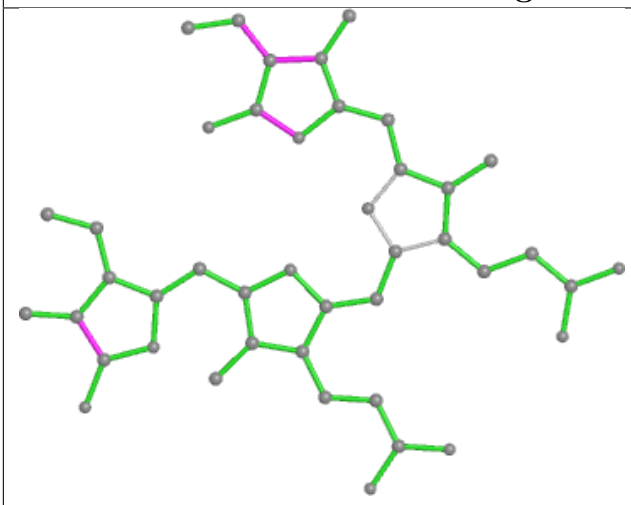


Rings

Ligand PEB Q5 201



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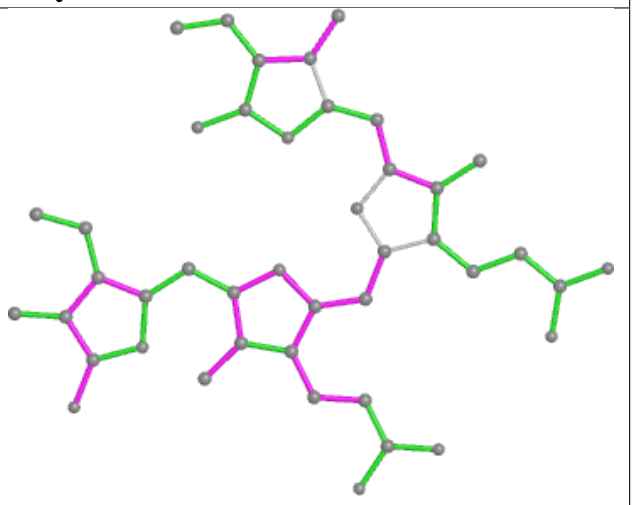

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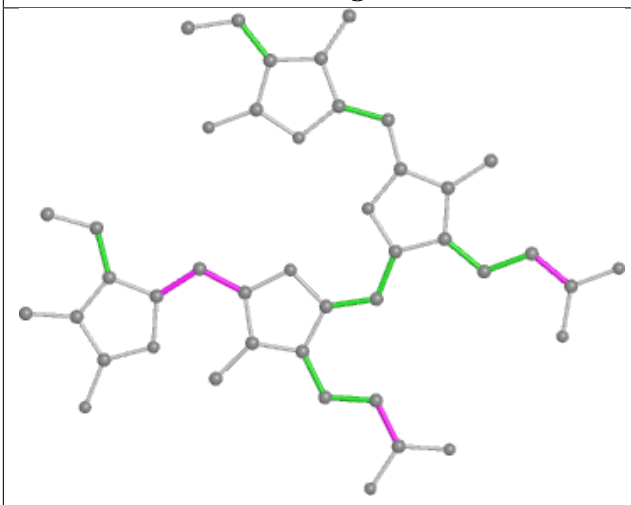

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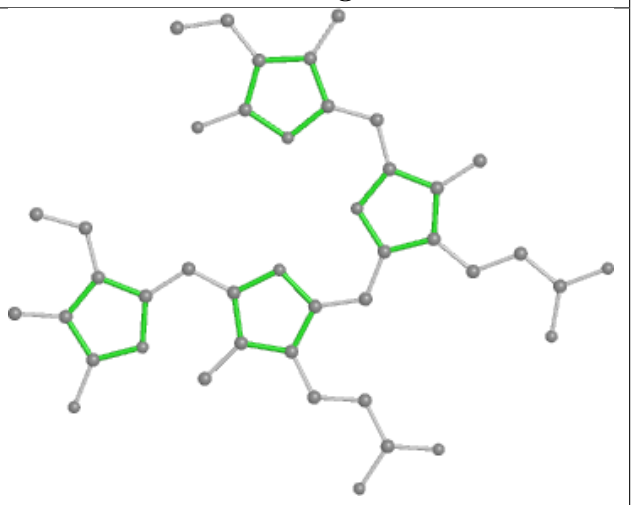
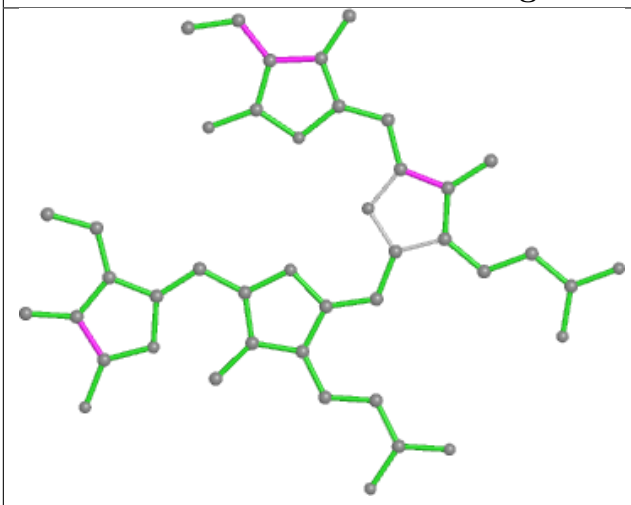


Rings

Ligand PEB q8 202



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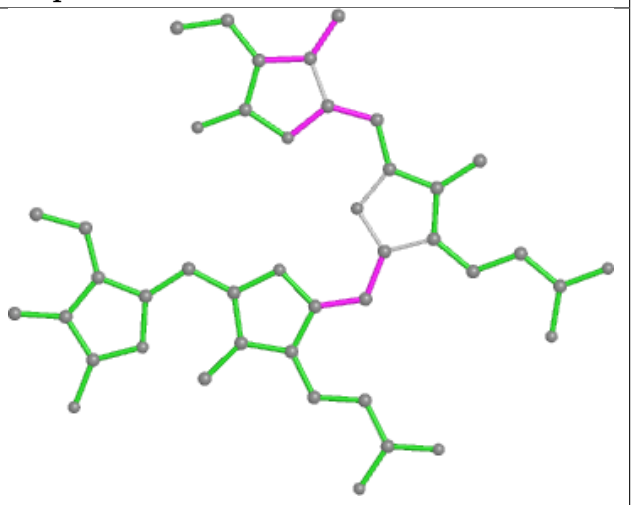

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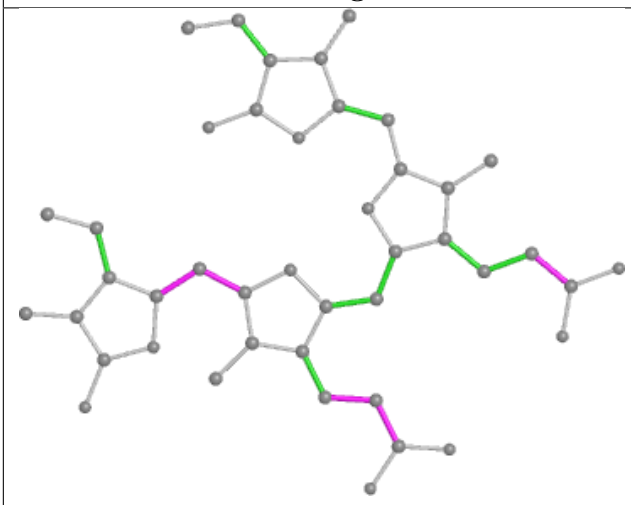

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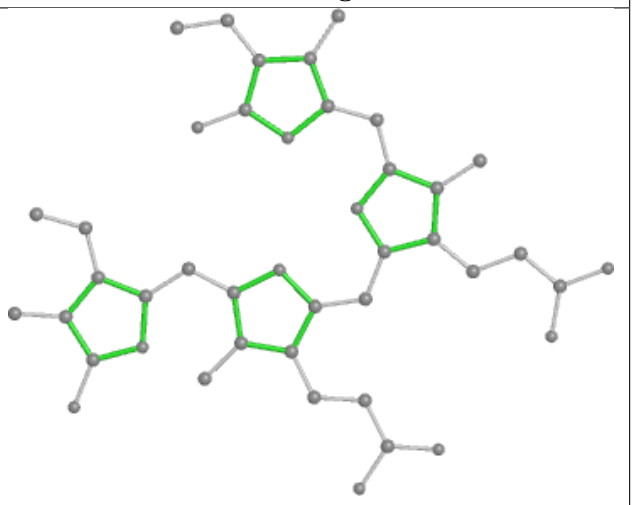
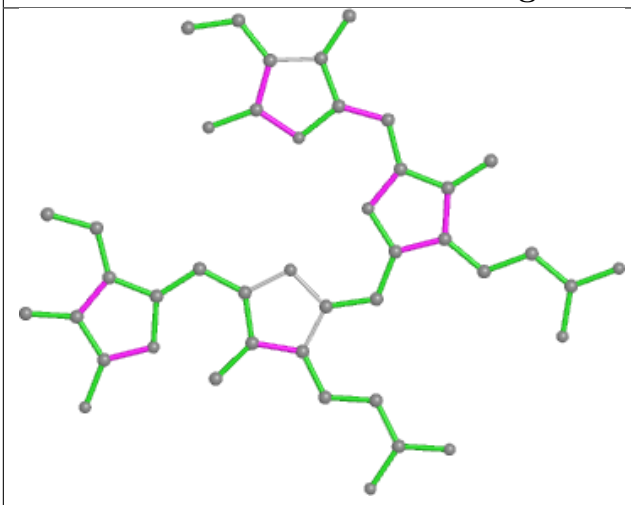


Rings

Ligand PUB e7 203



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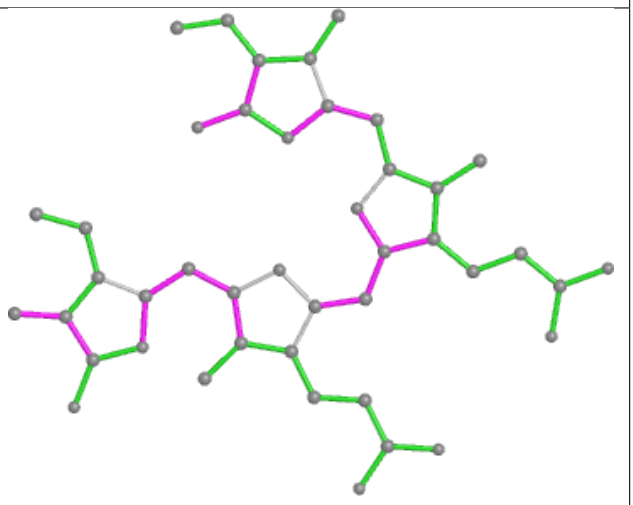

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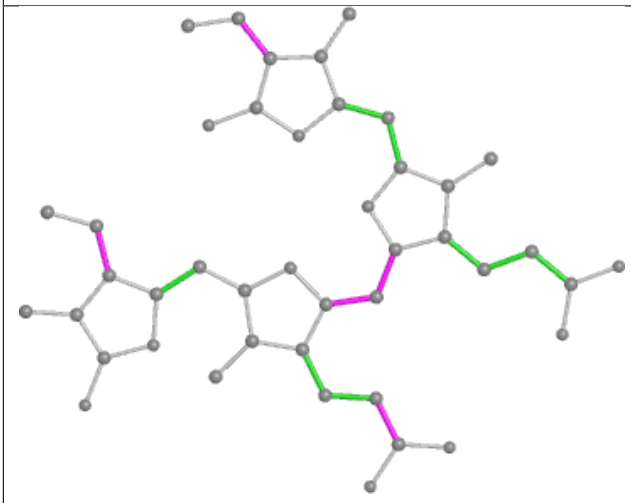

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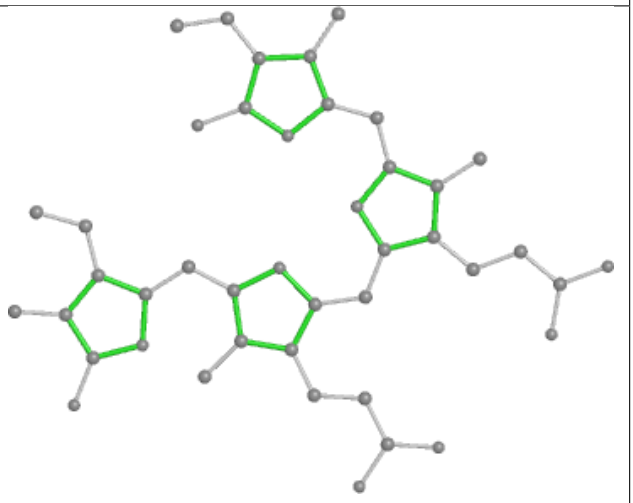

Rings

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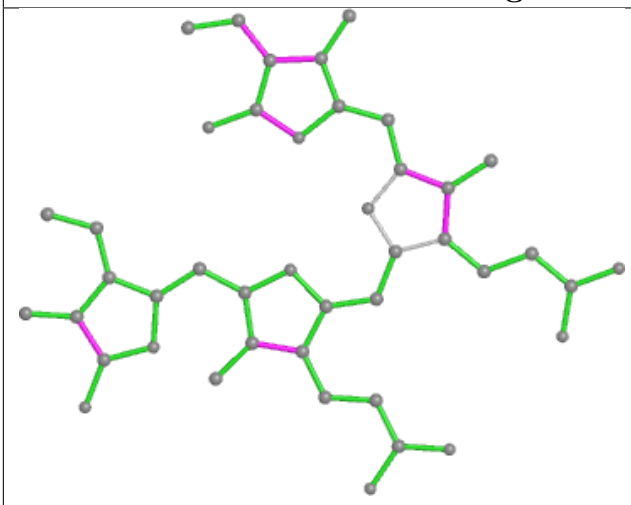

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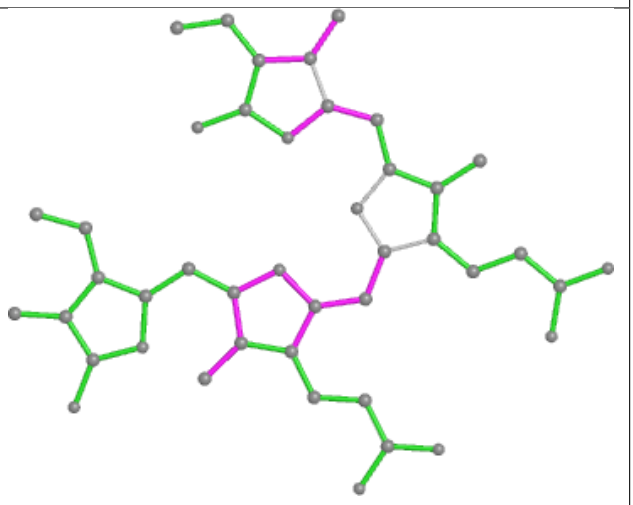

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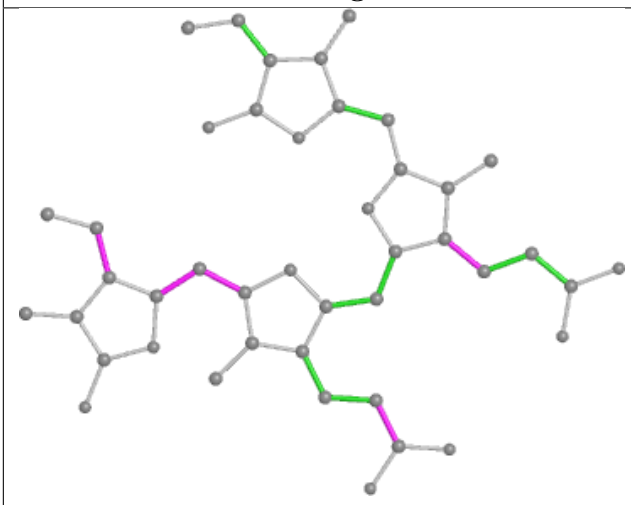

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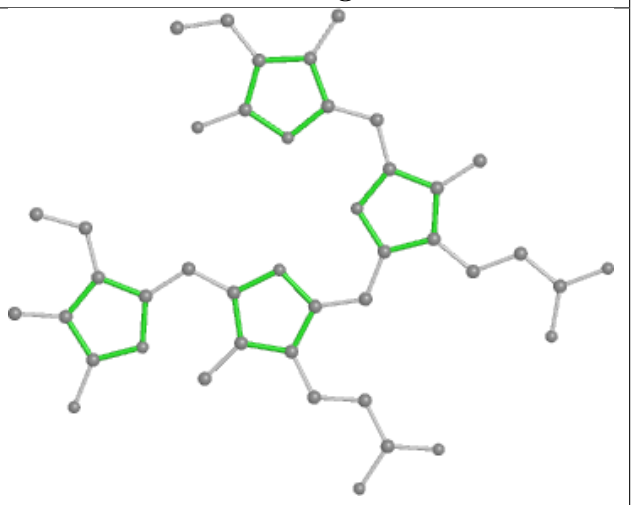

Rings

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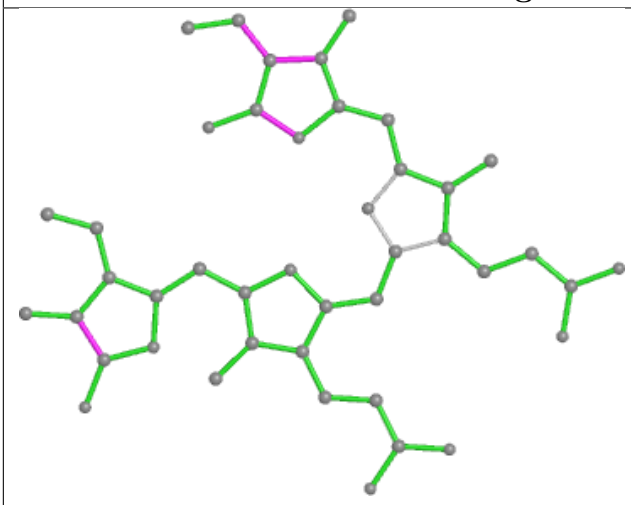

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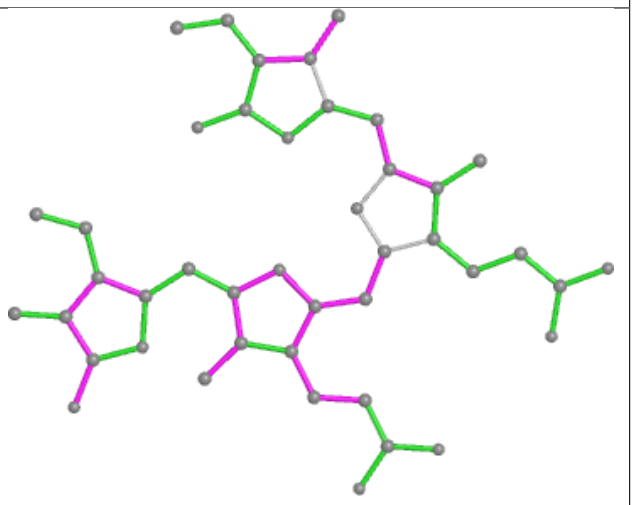

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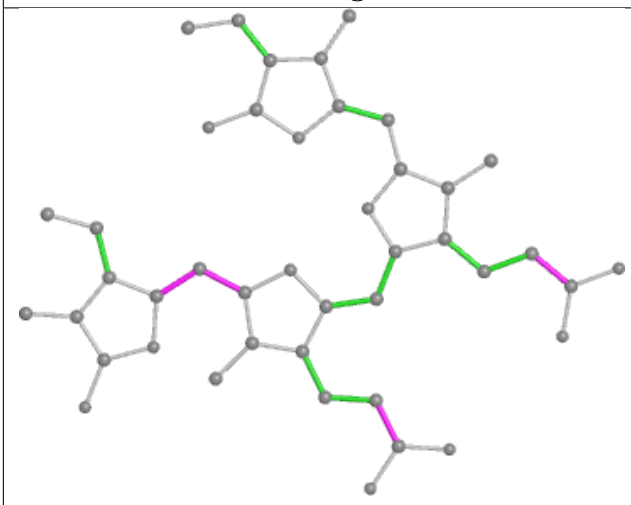

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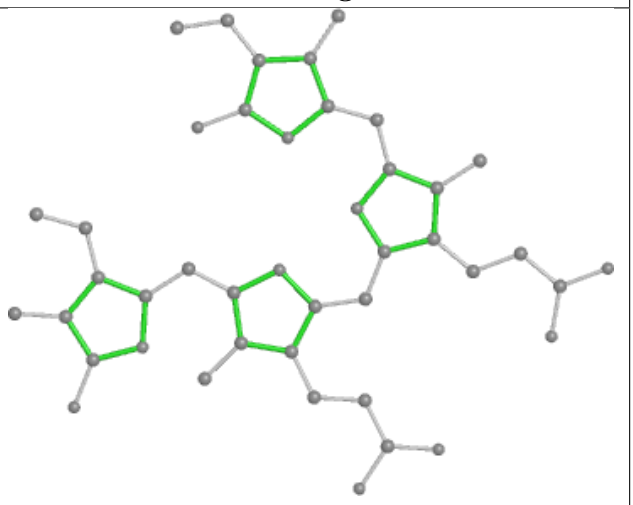

Rings

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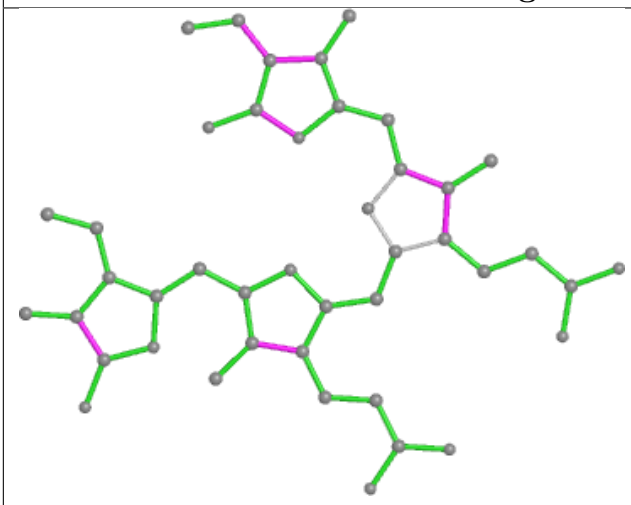

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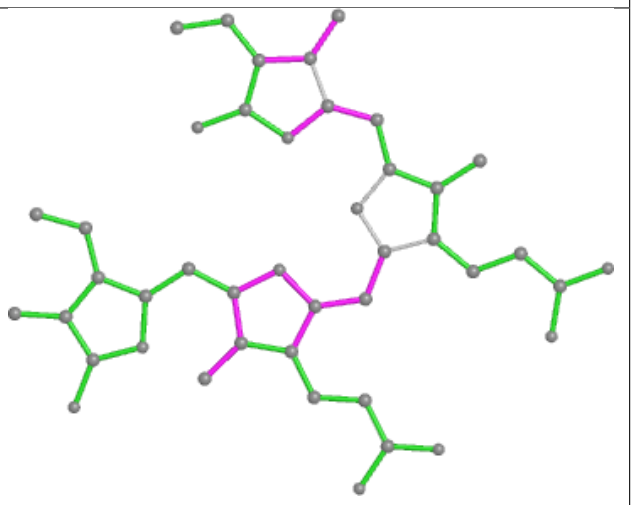

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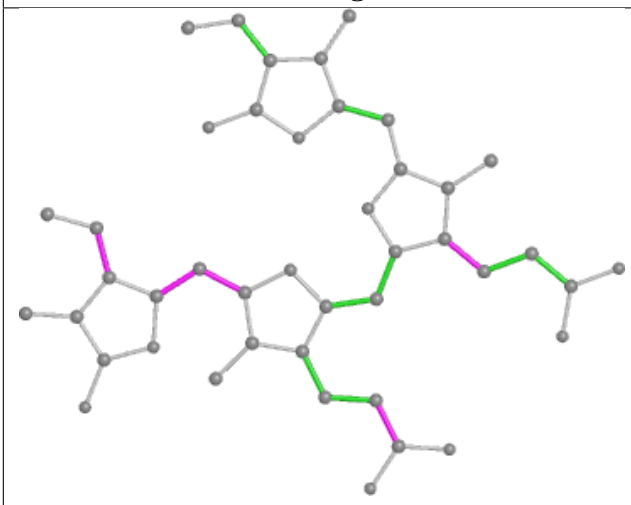

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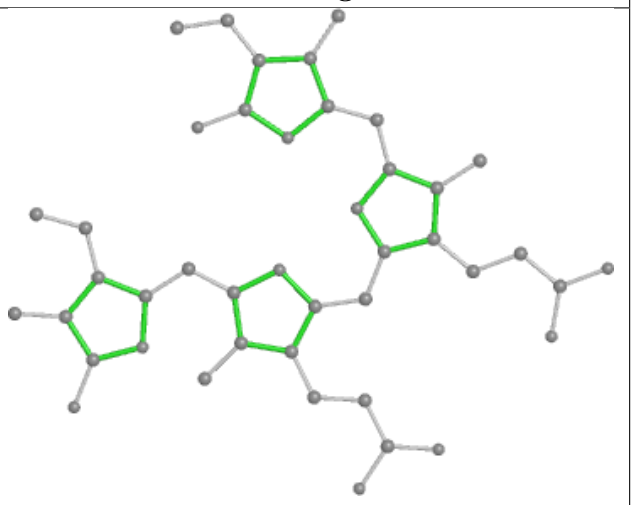

Rings

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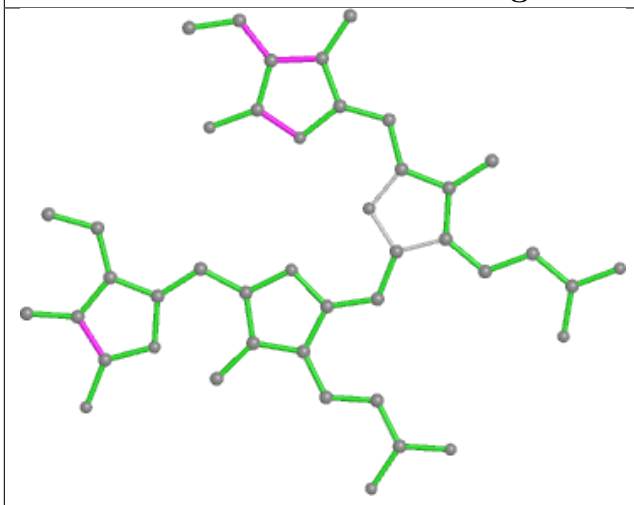

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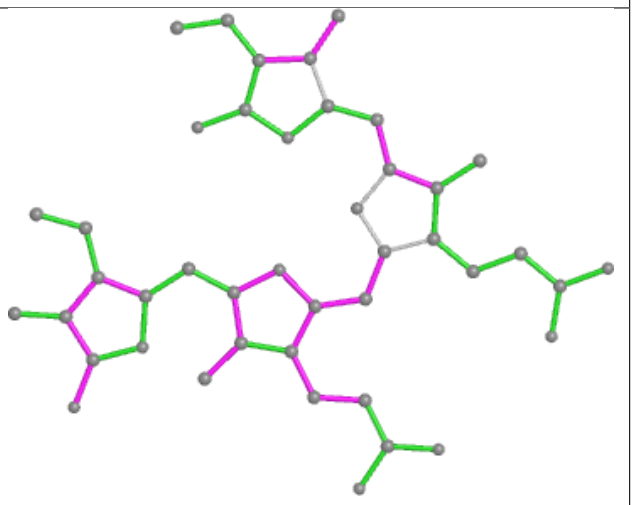

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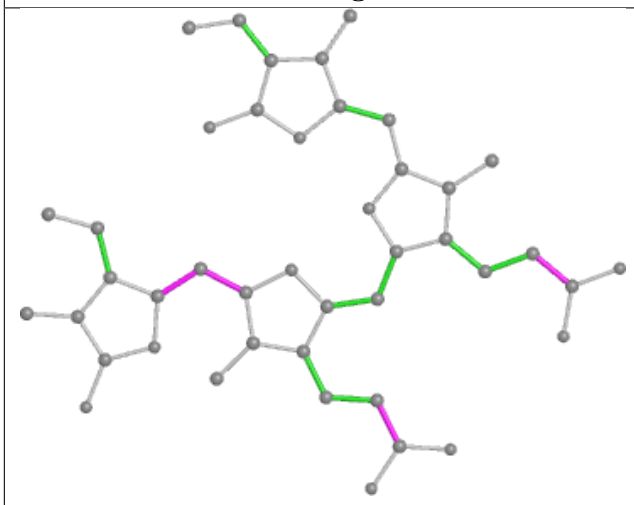

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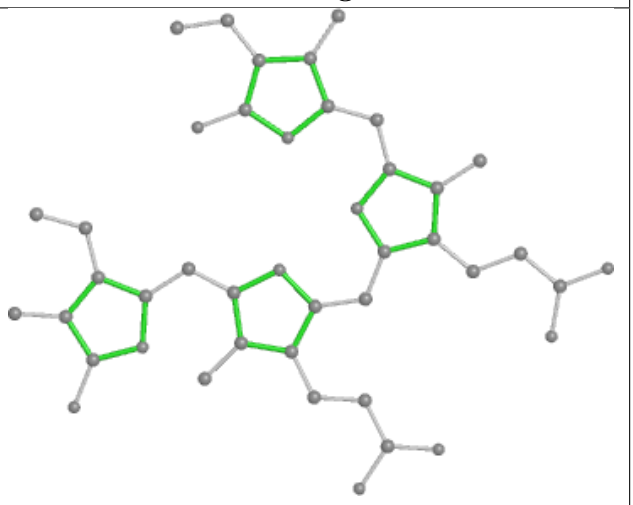
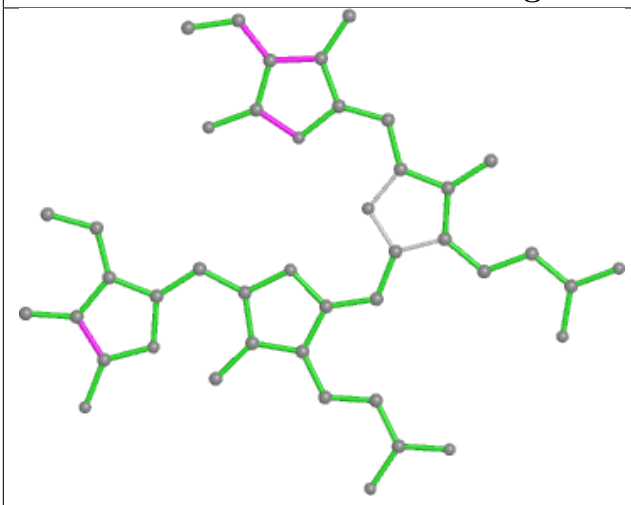


Rings

Ligand PEB l4 201



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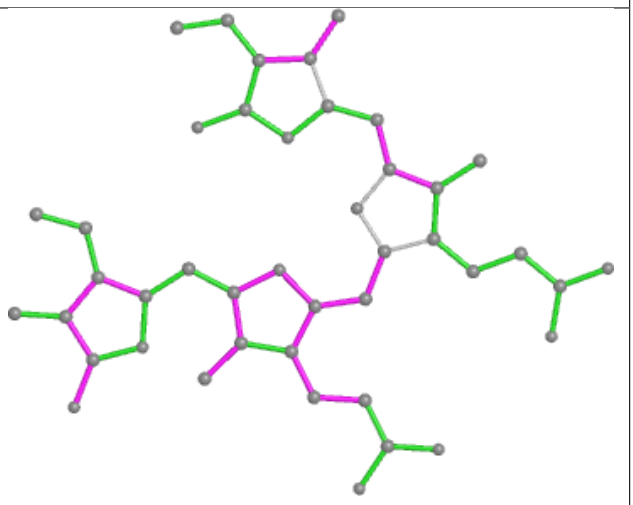

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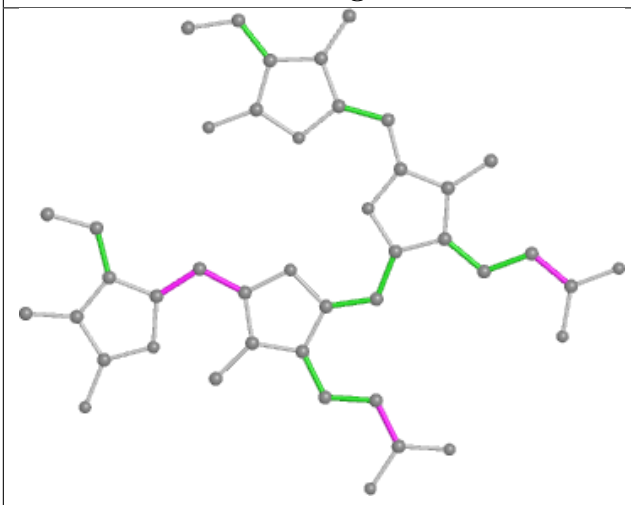

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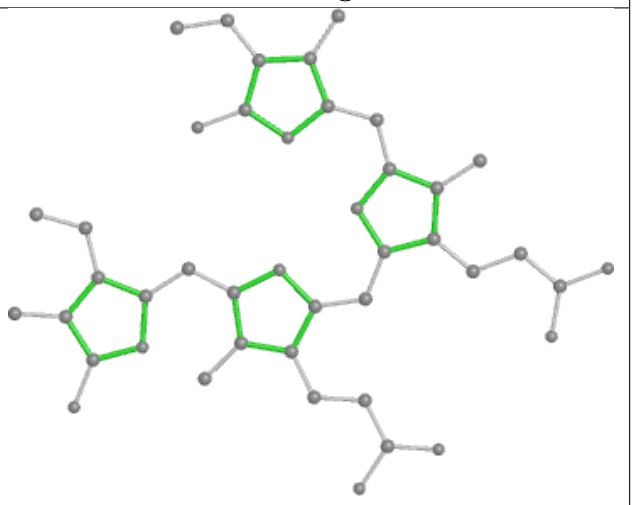

Rings

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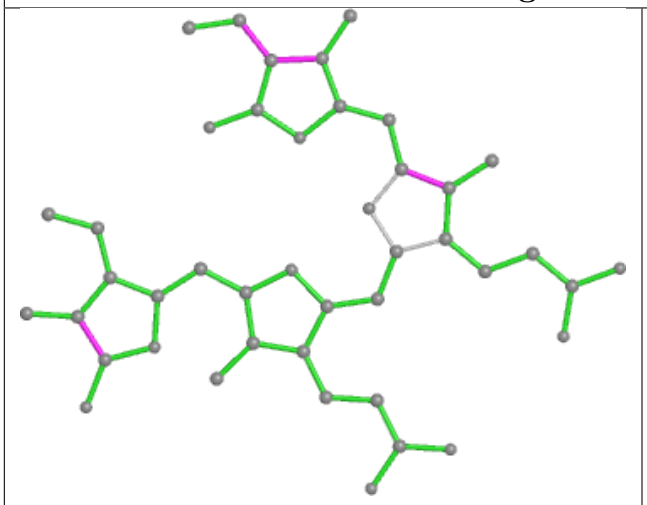

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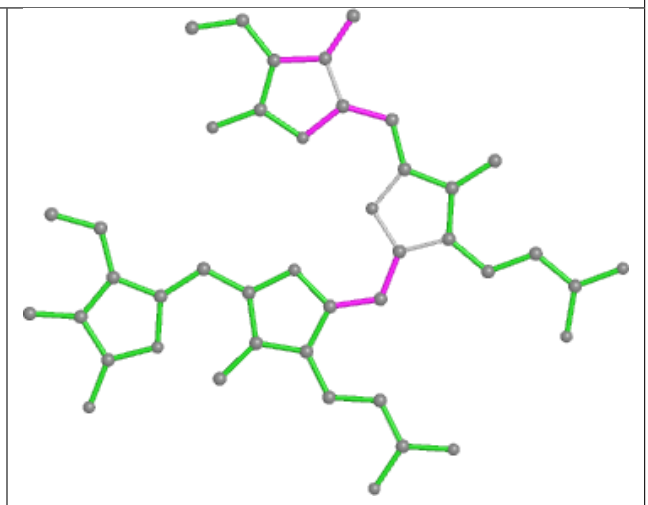

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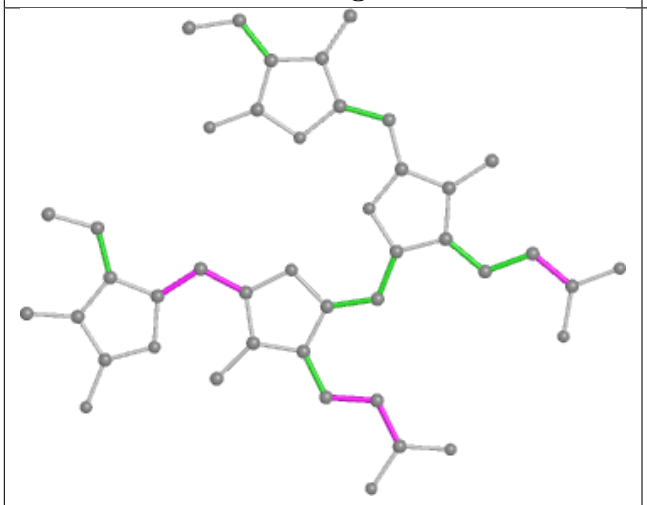

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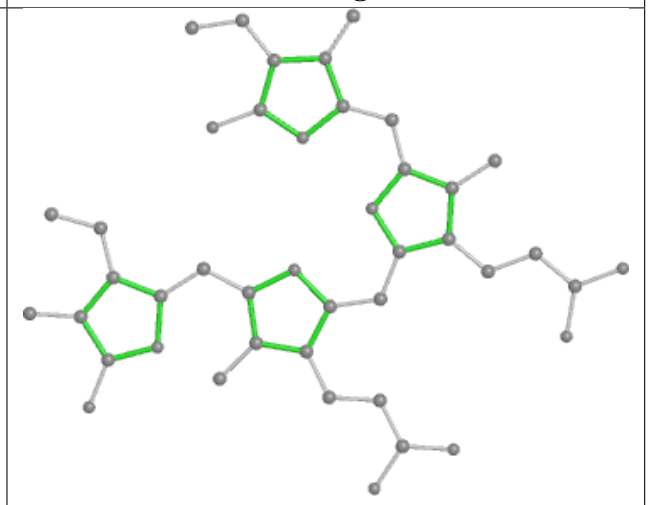
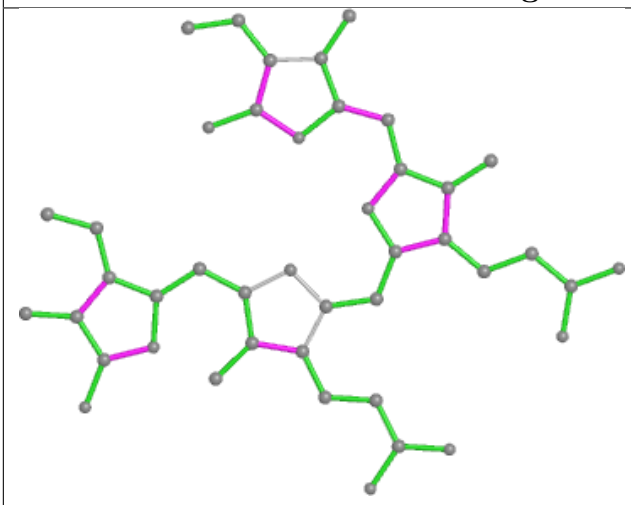


Rings

Ligand PUB lv 202



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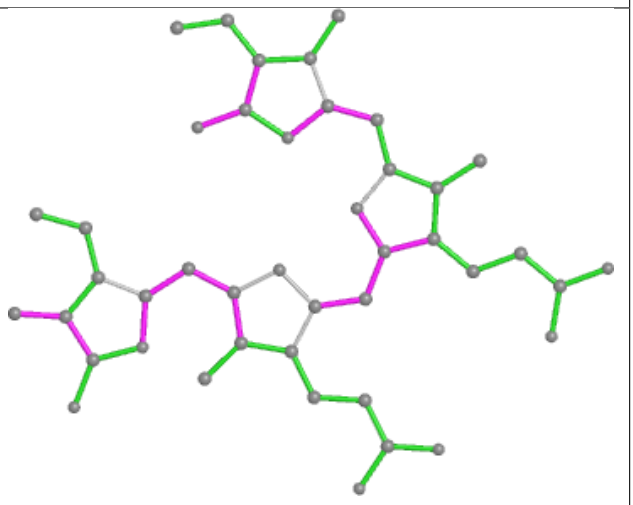

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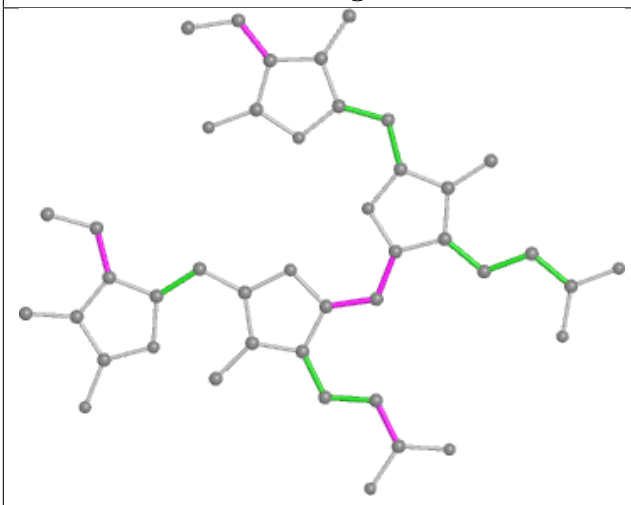

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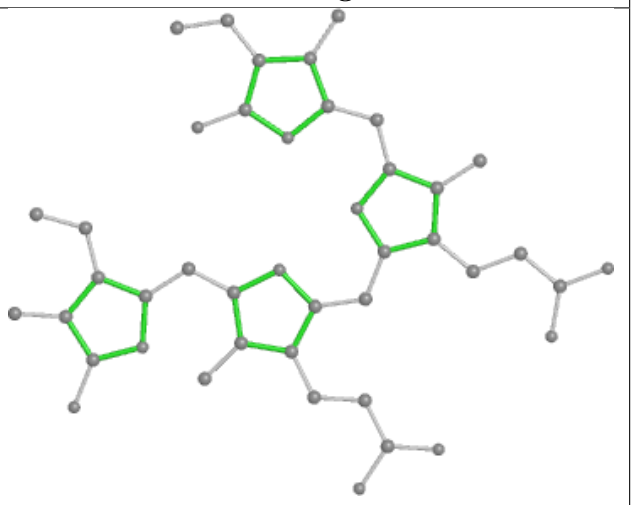
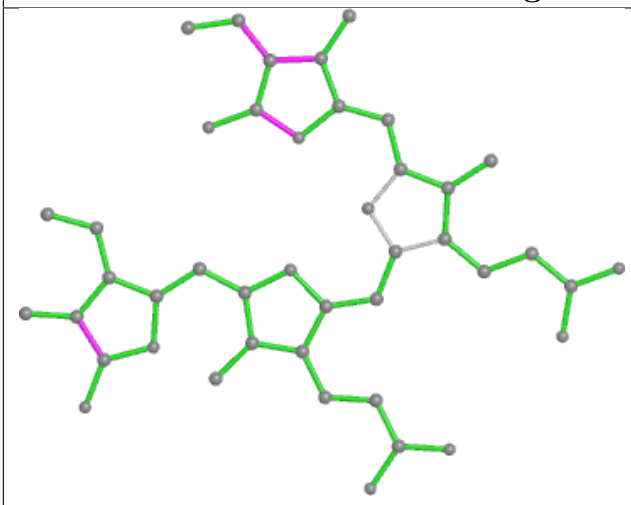


Rings

Ligand PEB i9 201



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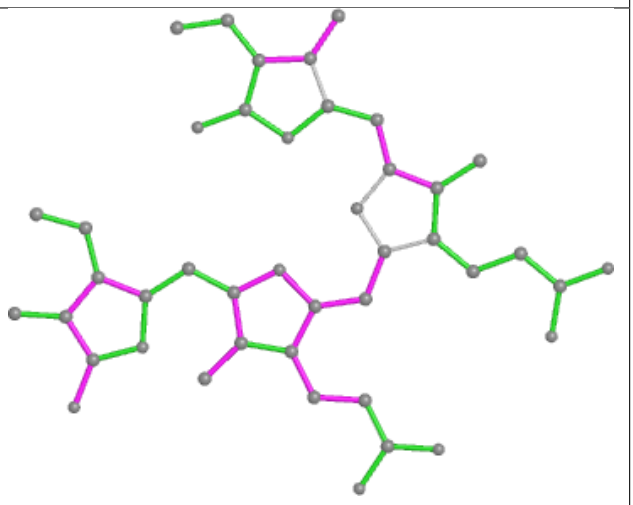

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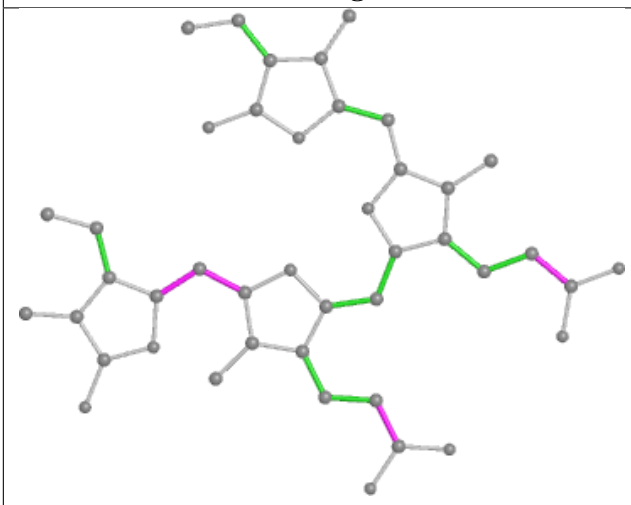

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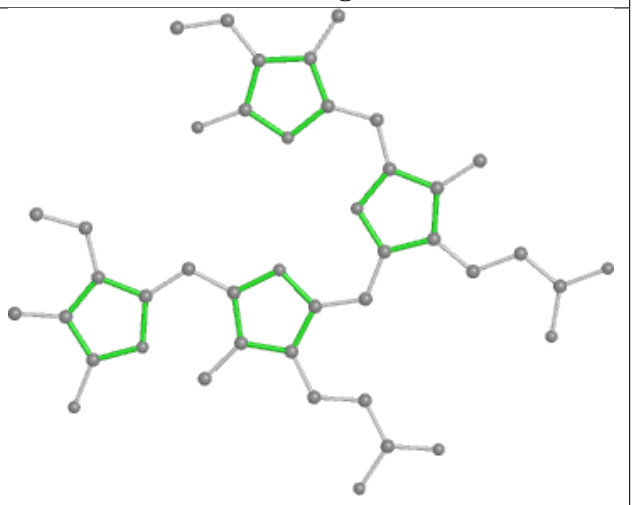
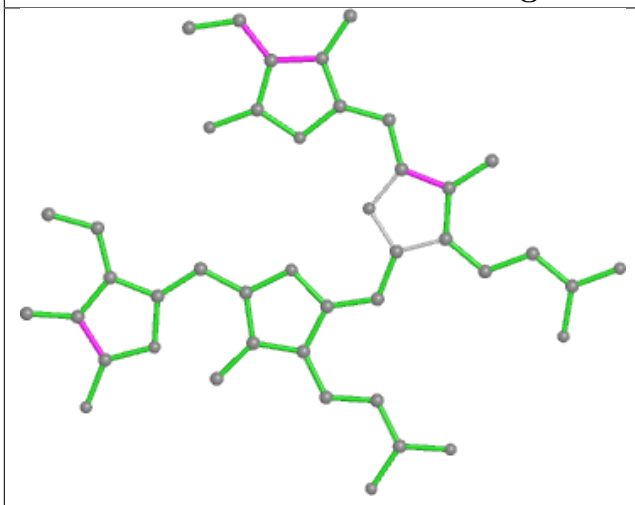


Rings

Ligand PEB y3 202



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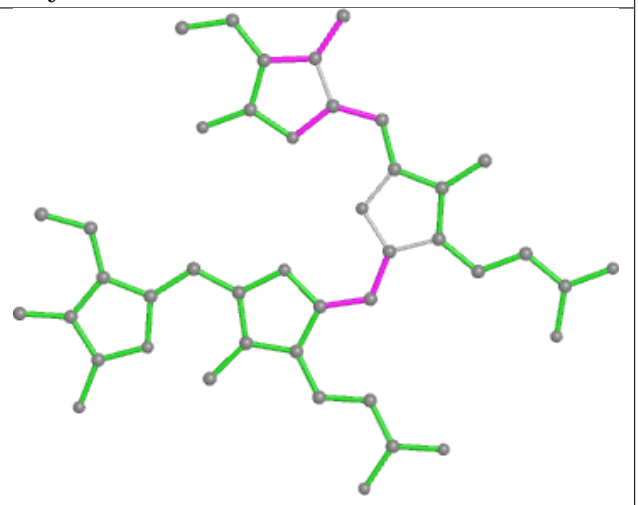
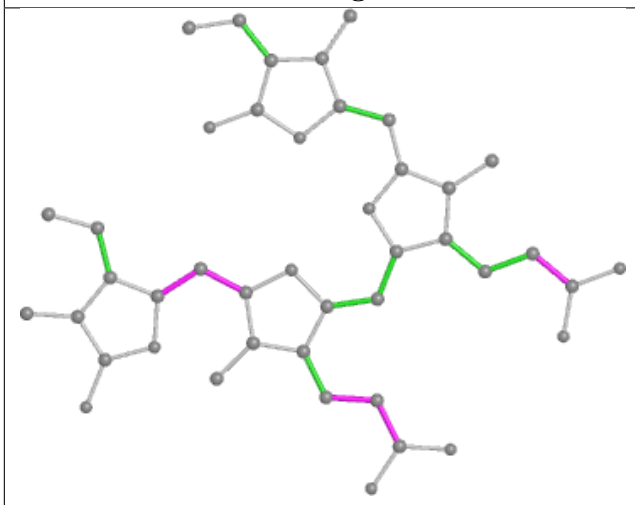
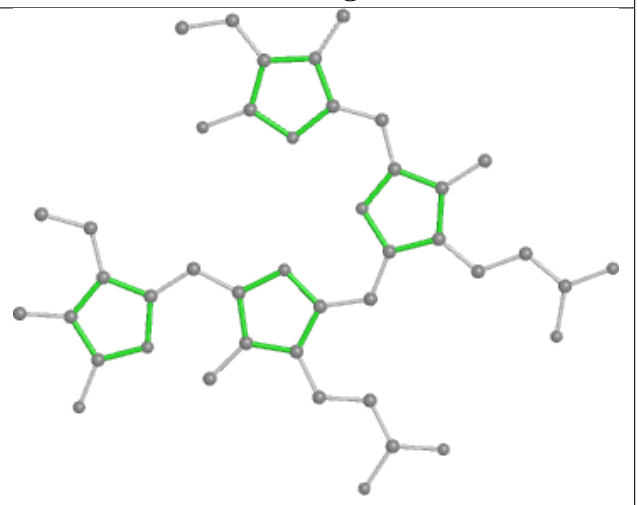


Bond angles

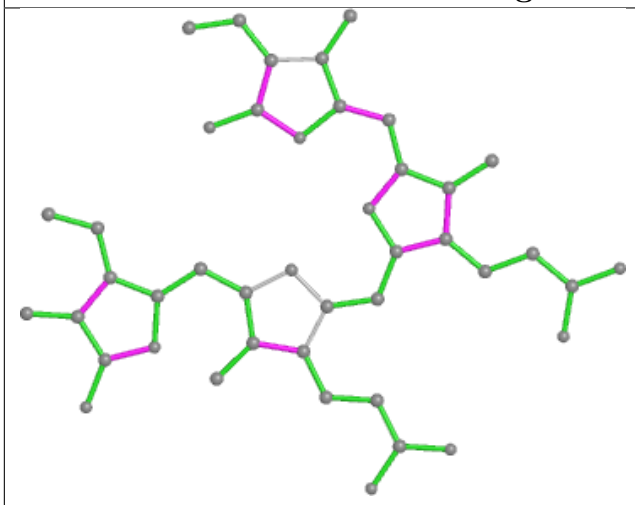


Torsions



Rings

Ligand PUB cQ 202



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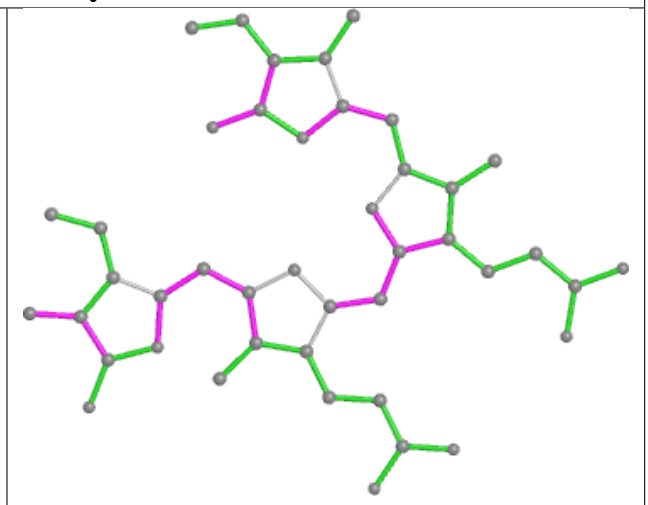

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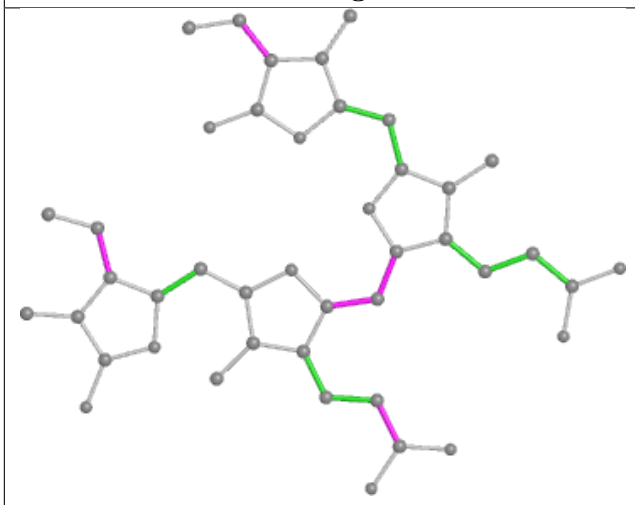

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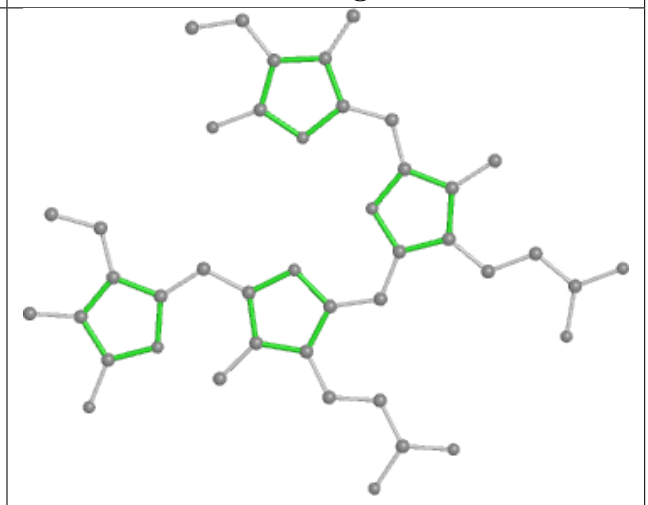
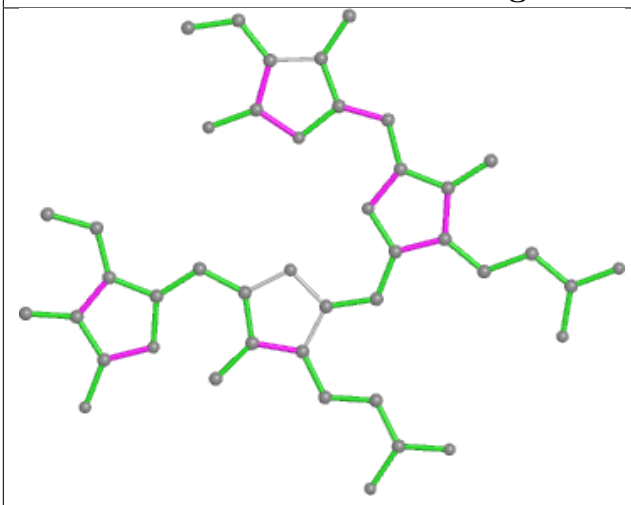


Rings

Ligand PUB a3 1005



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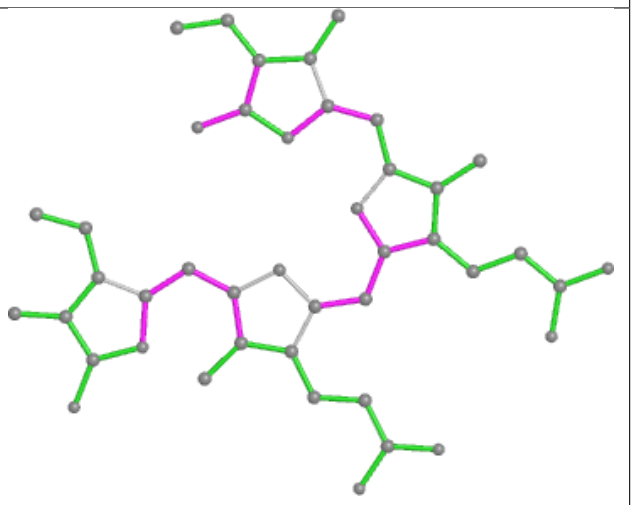
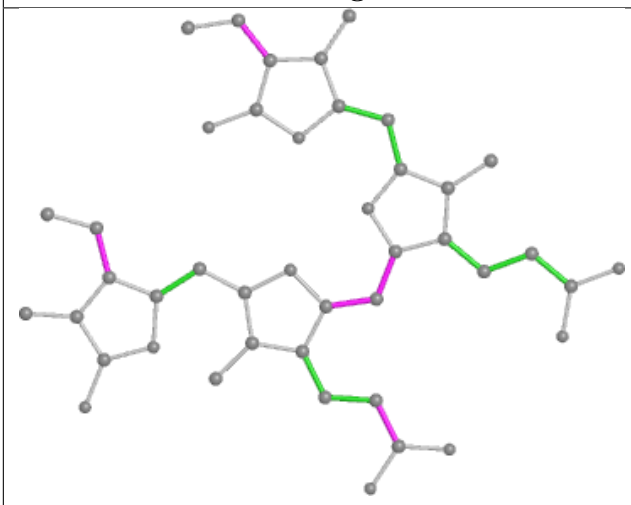


Bond angles



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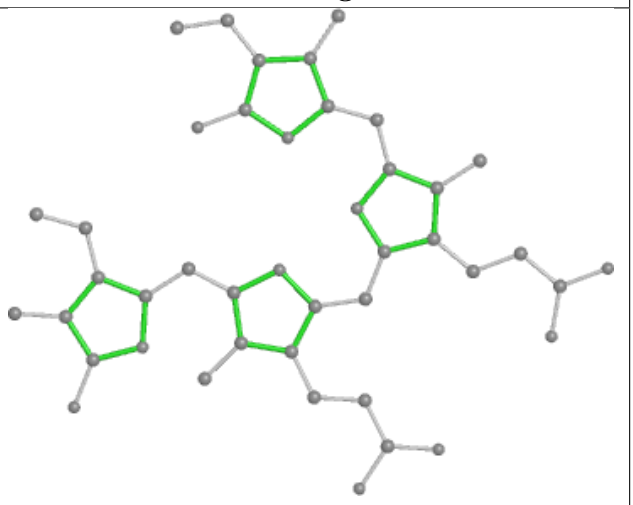
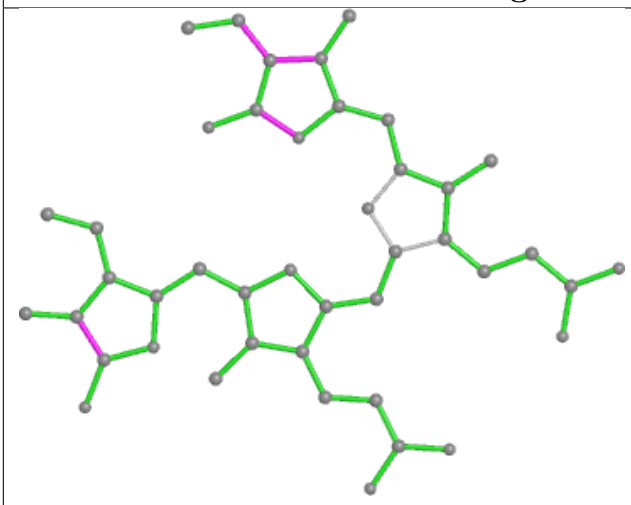


Rings

Ligand PEB W8 201



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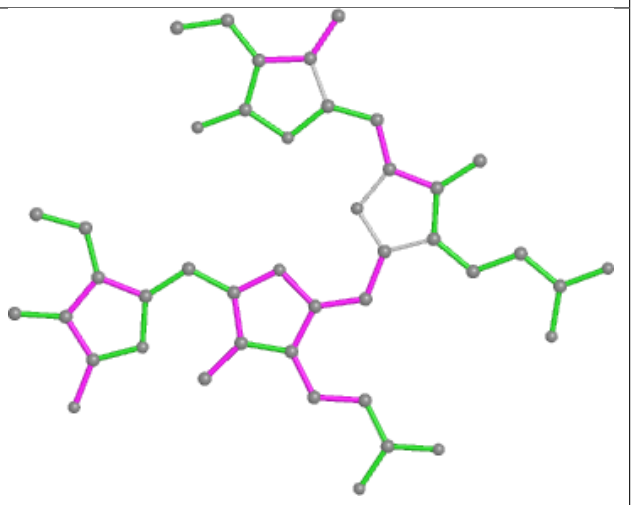

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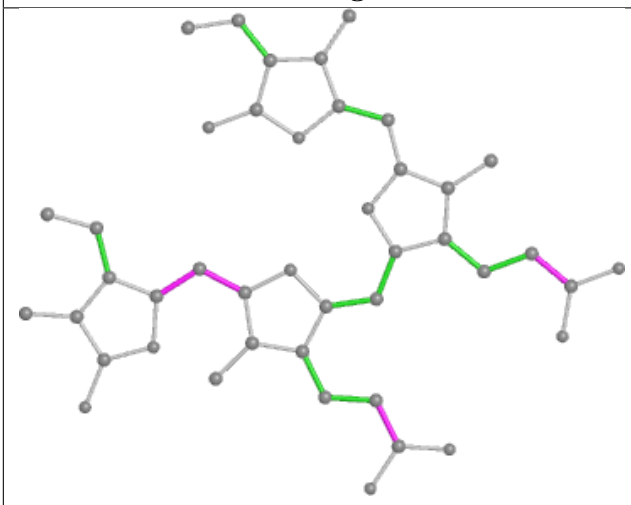

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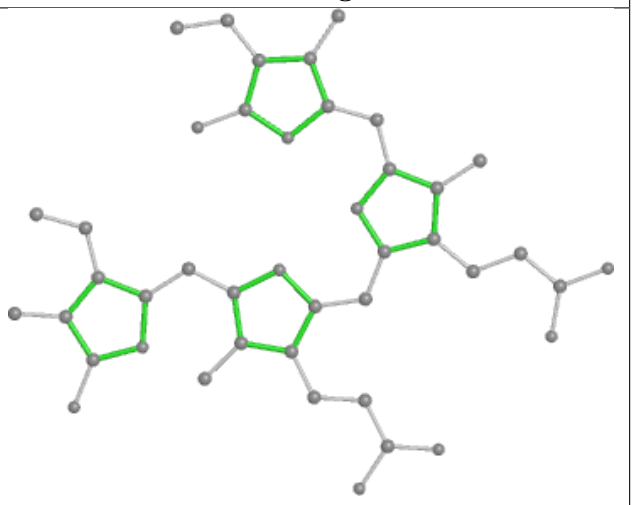
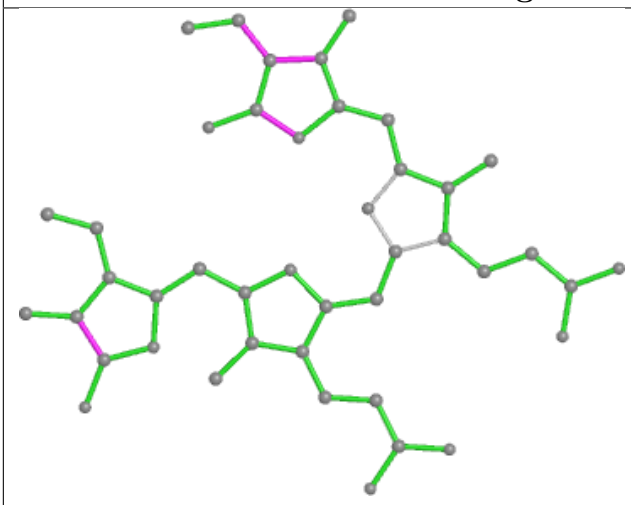


Rings

Ligand PEB cU 201



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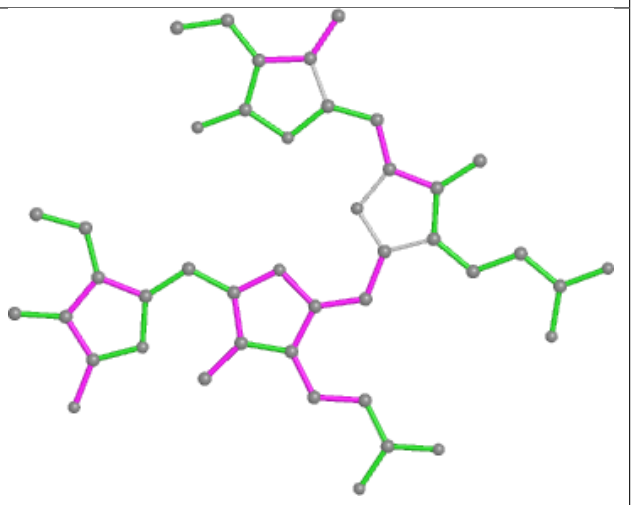

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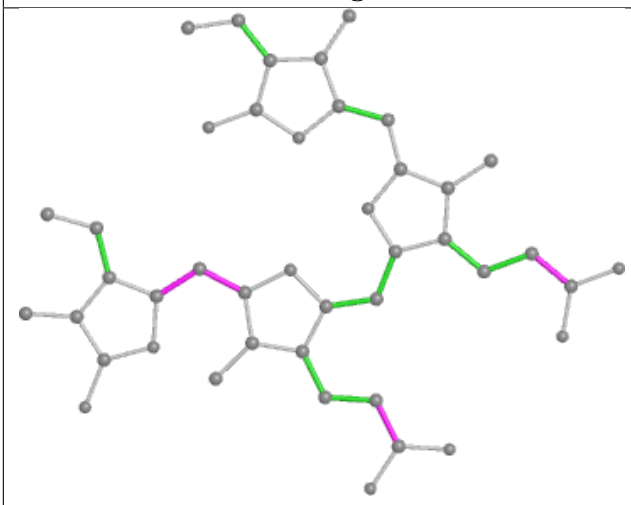

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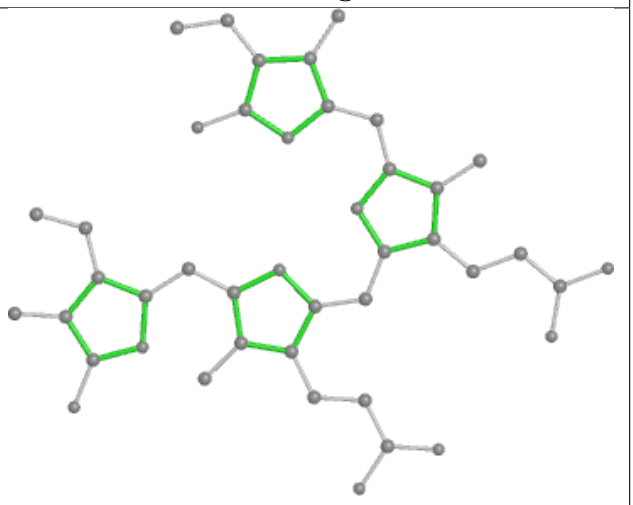
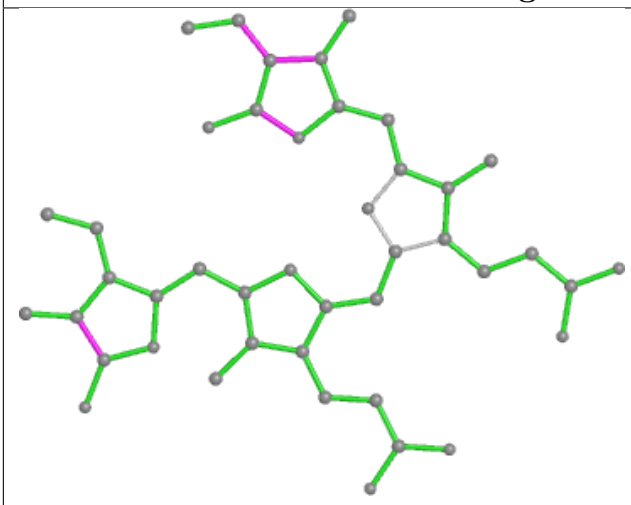


Rings

Ligand PEB p8 201



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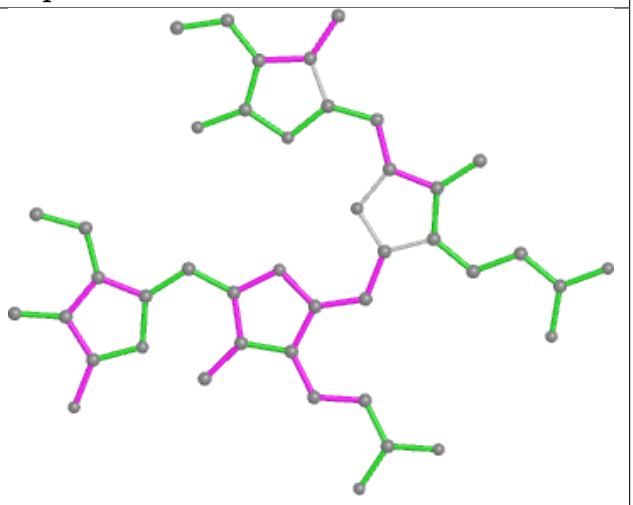

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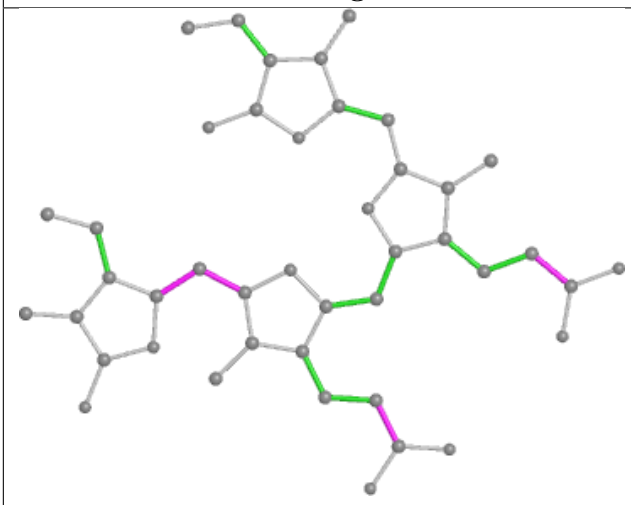

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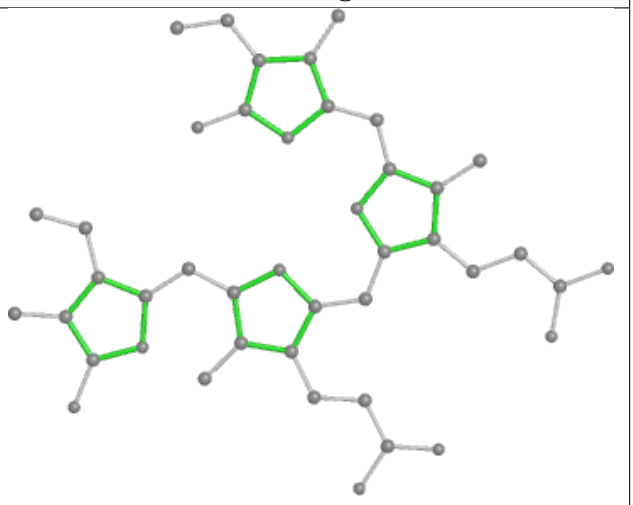
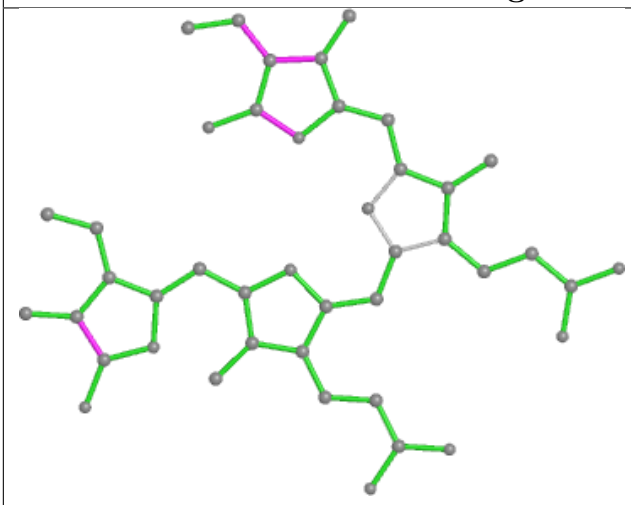


Rings

Ligand PEB cC 1003



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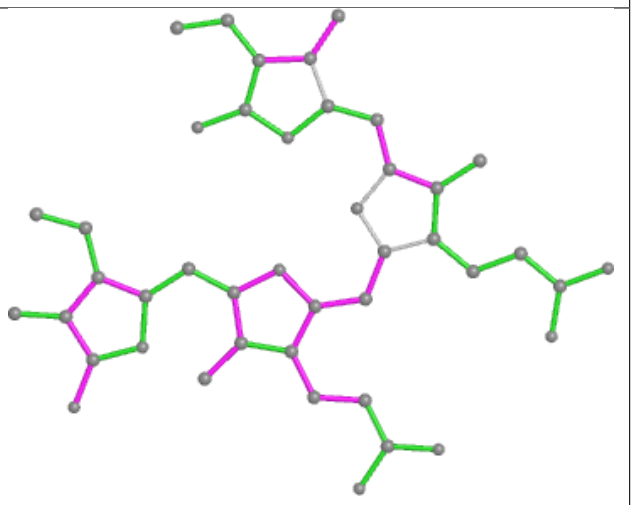

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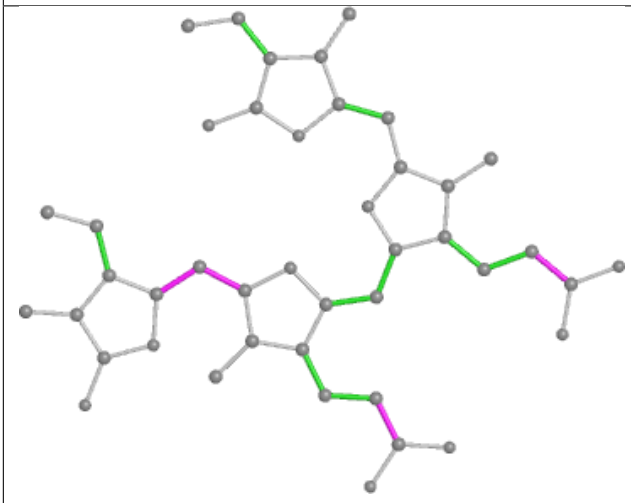

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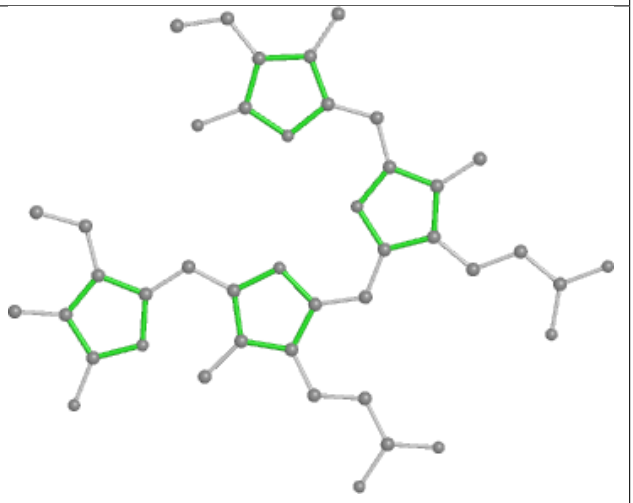

Rings

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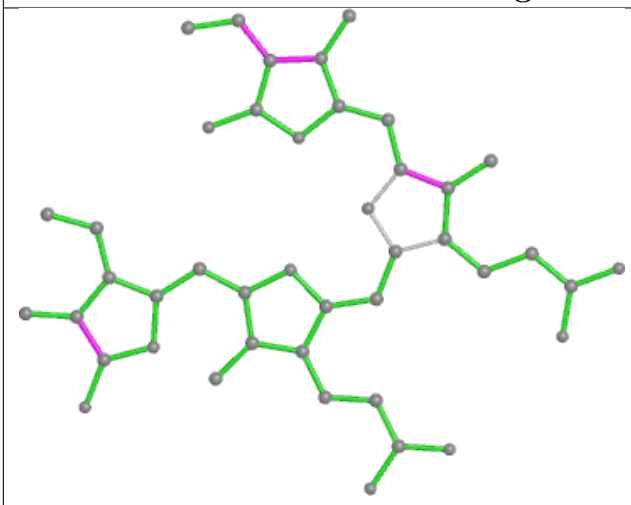

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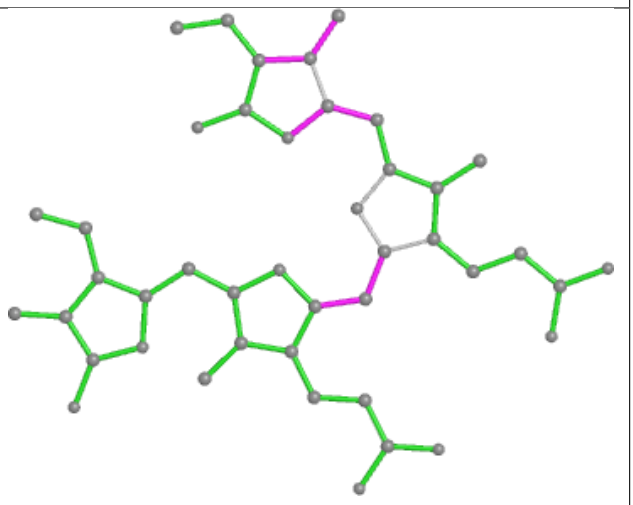

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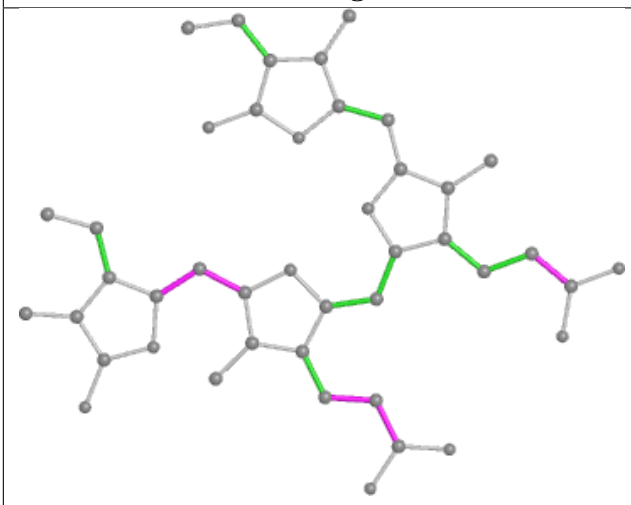

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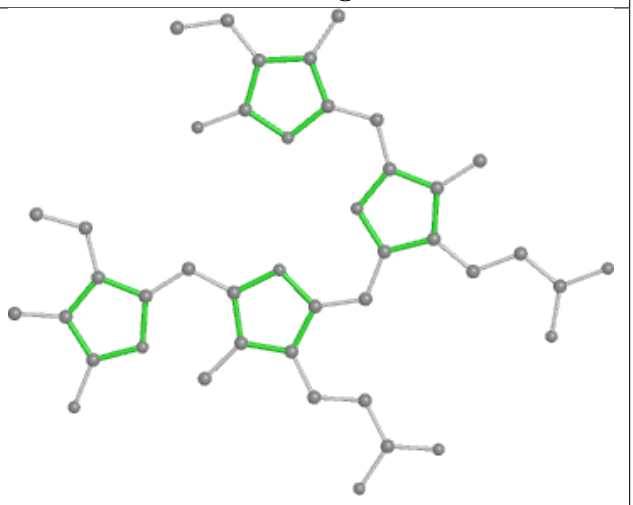

Rings

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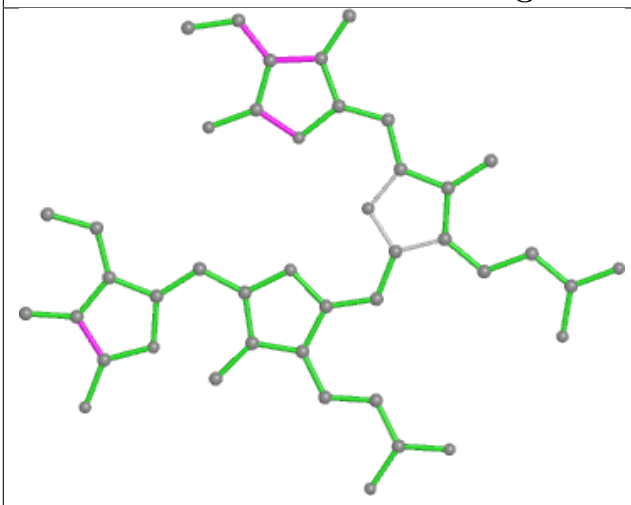

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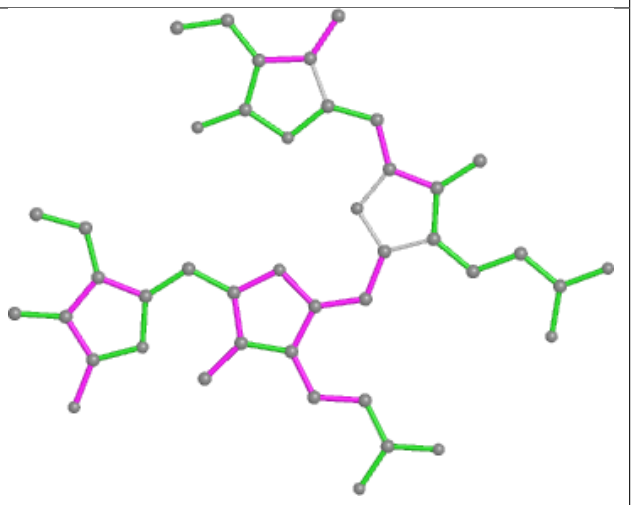
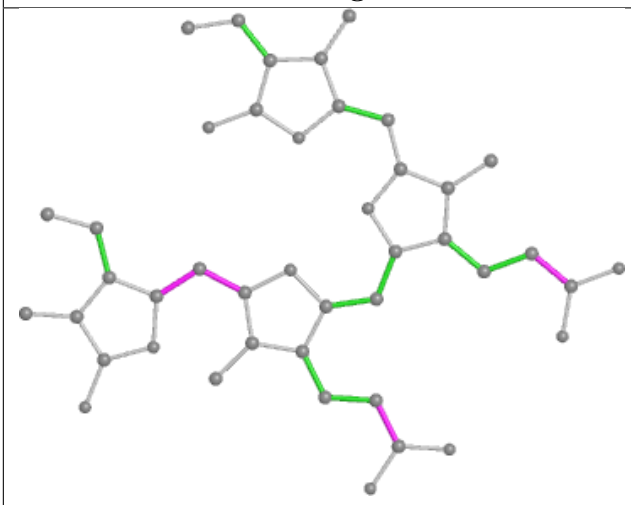


Bond angles



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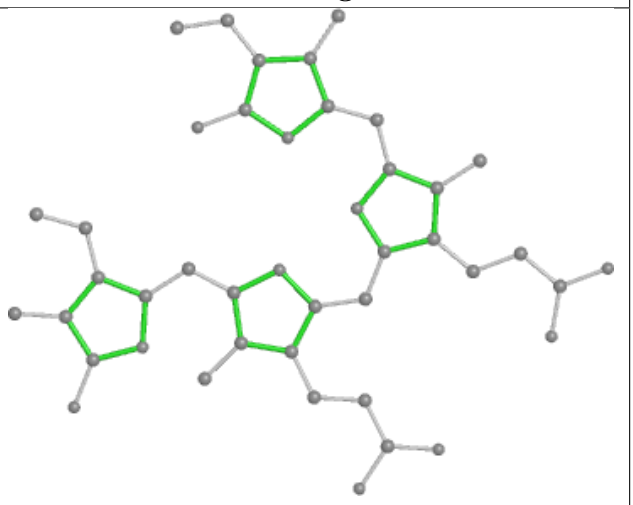
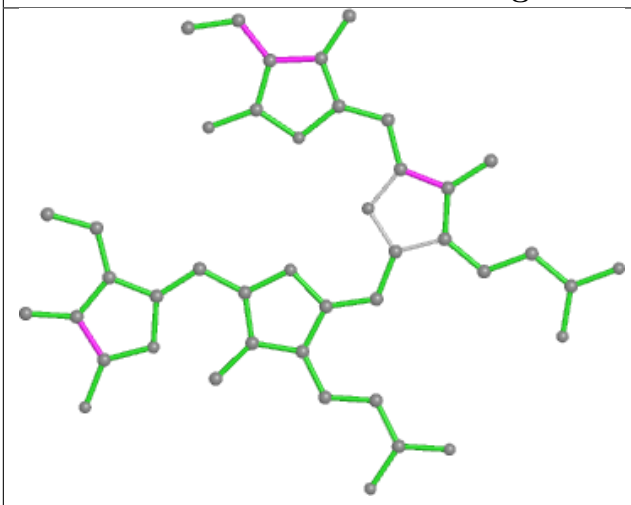


Rings

Ligand PEB M9 202



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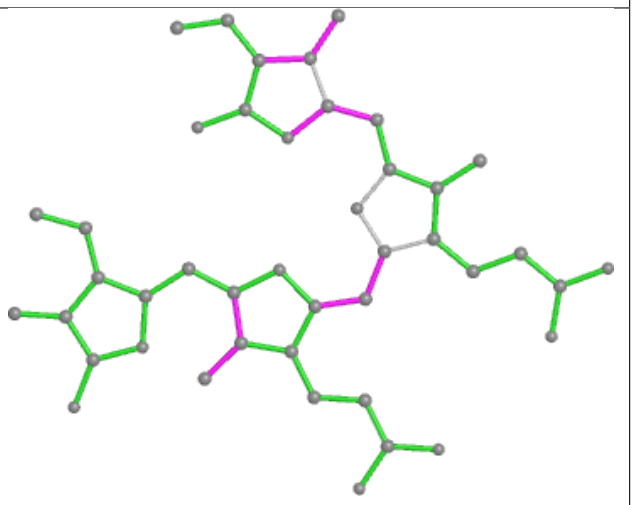

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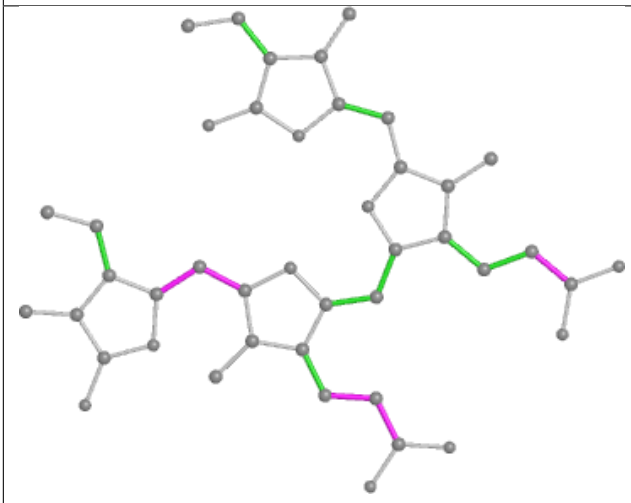

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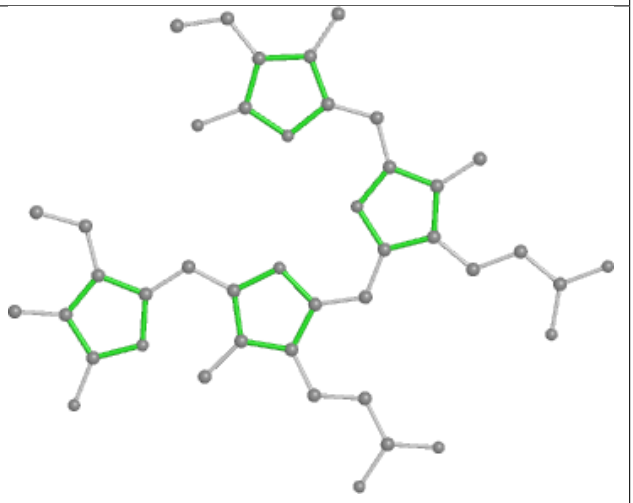
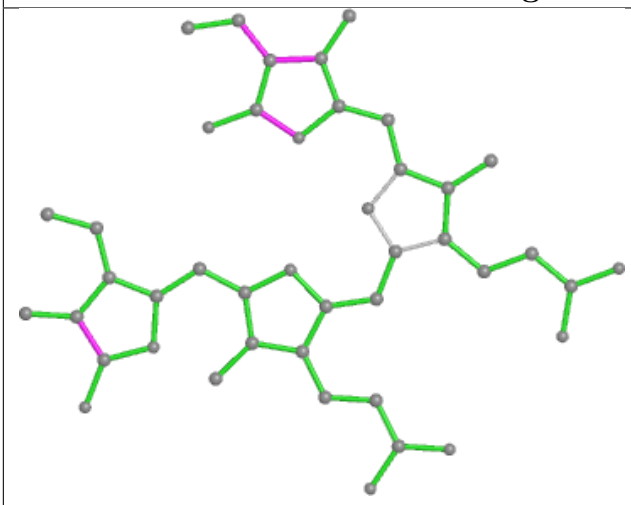


Rings

Ligand PEB at 201



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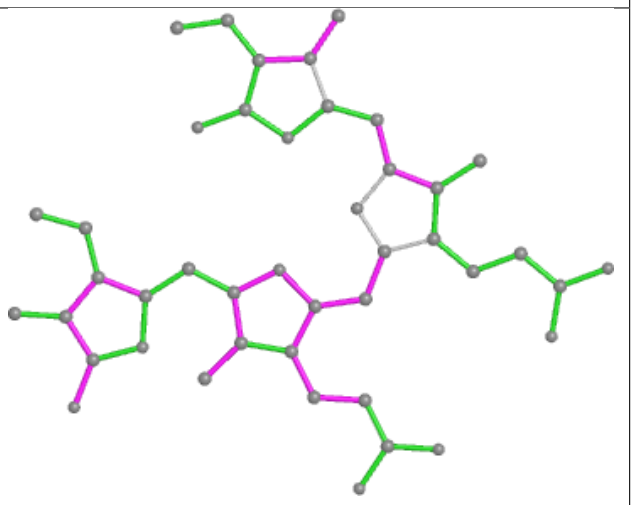
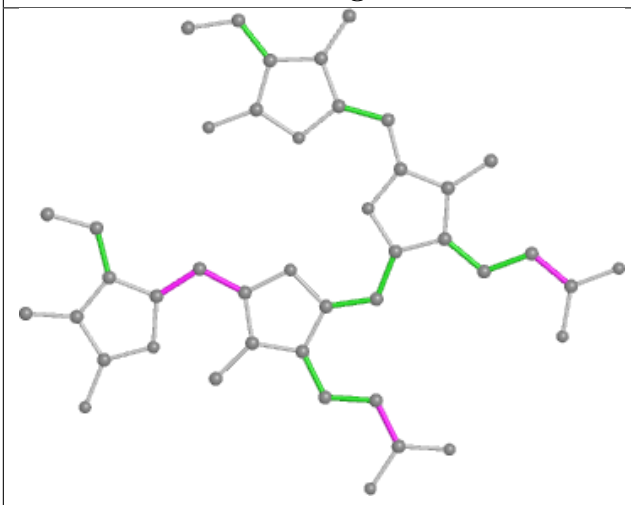


Bond angles



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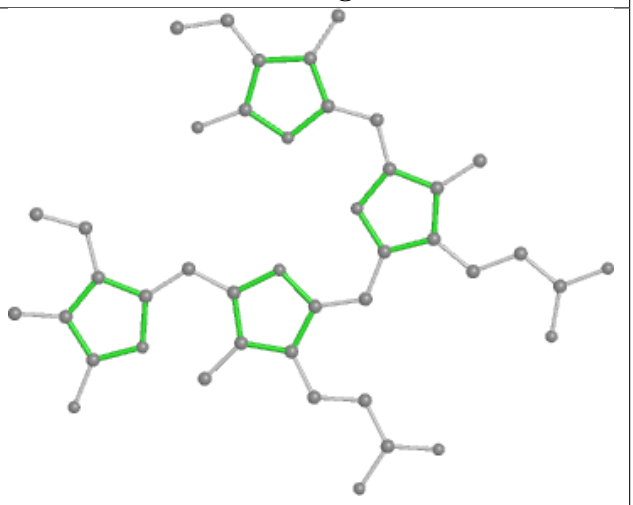
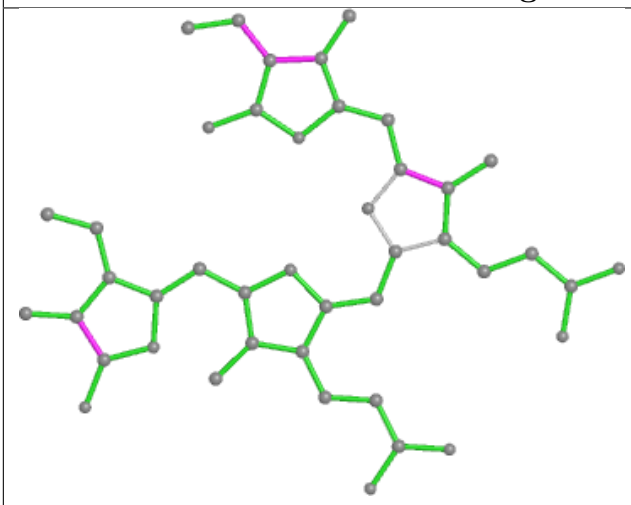


Rings

Ligand PEB lw 201



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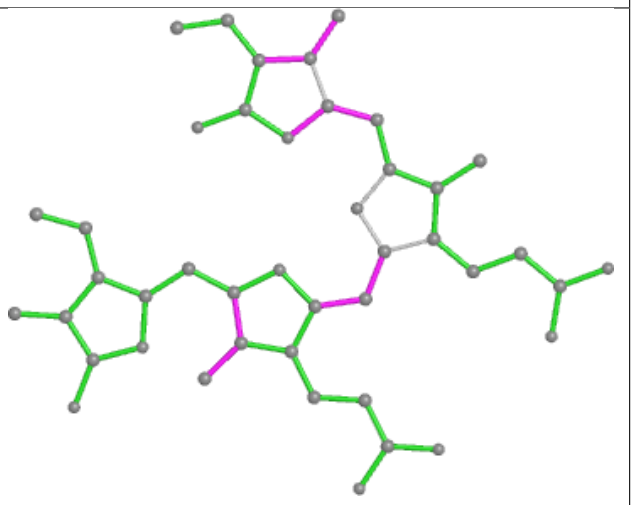

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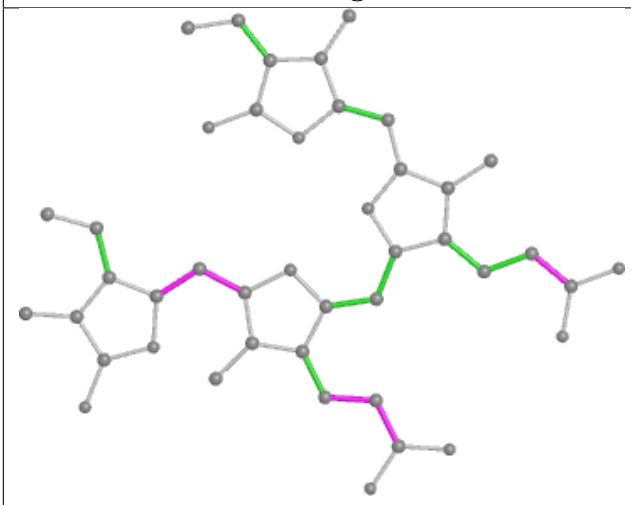

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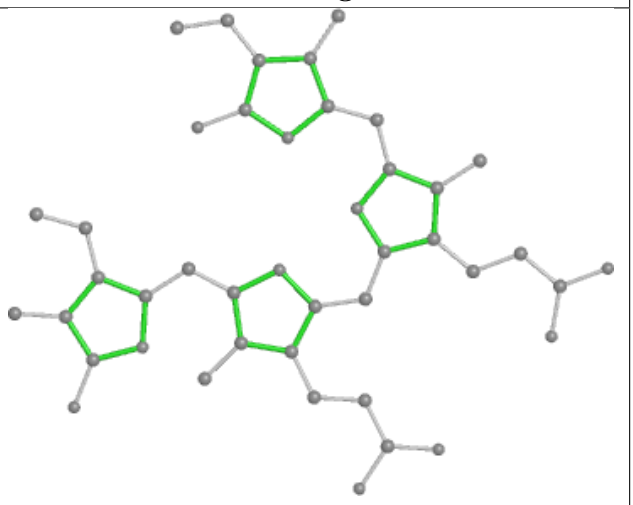
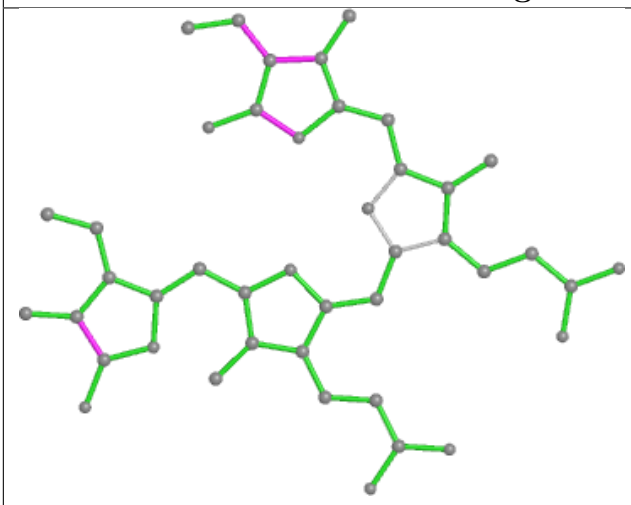


Rings

Ligand PEB jJ 1001



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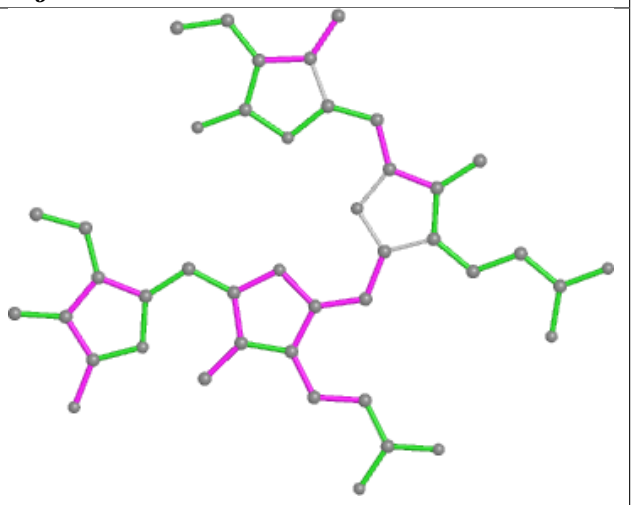
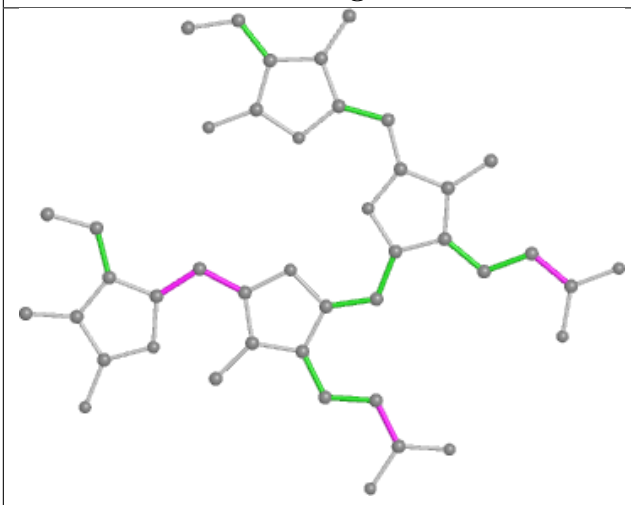


Bond angles



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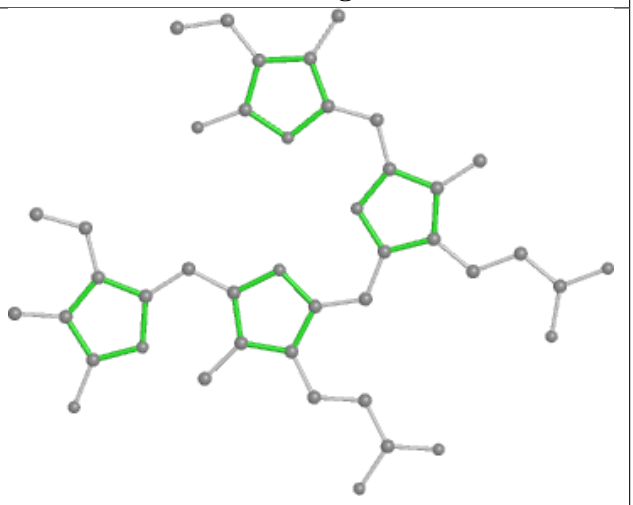
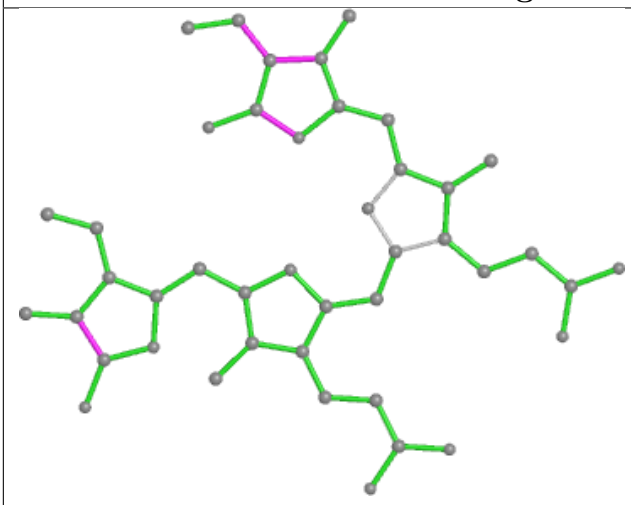


Rings

Ligand PEB B9 201



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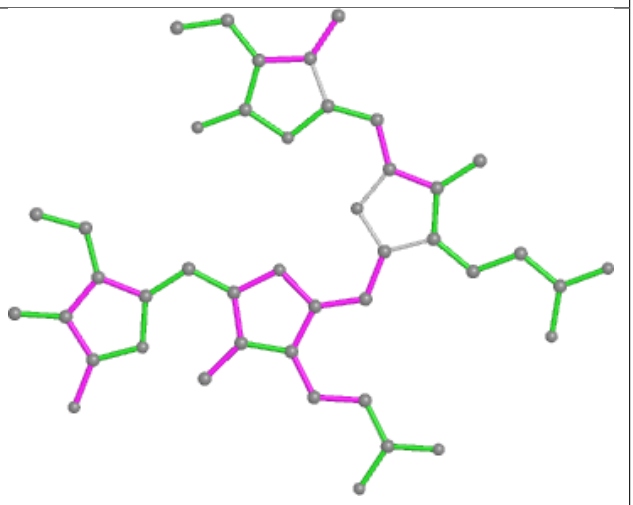
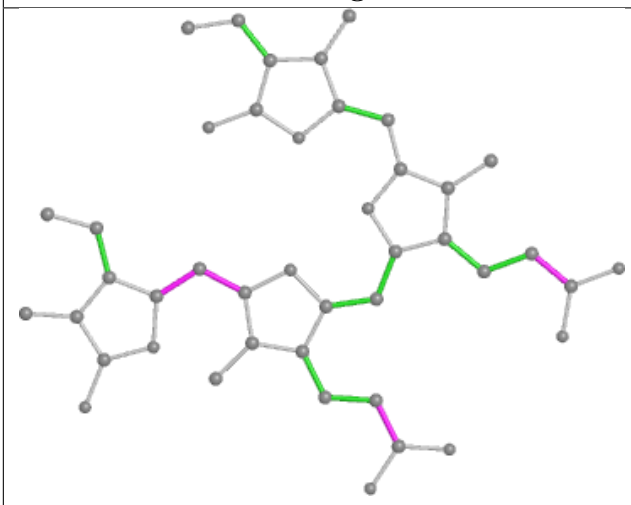
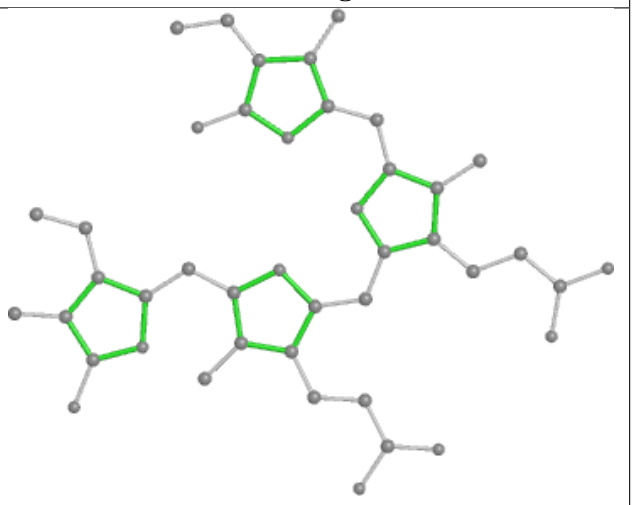


Bond angles

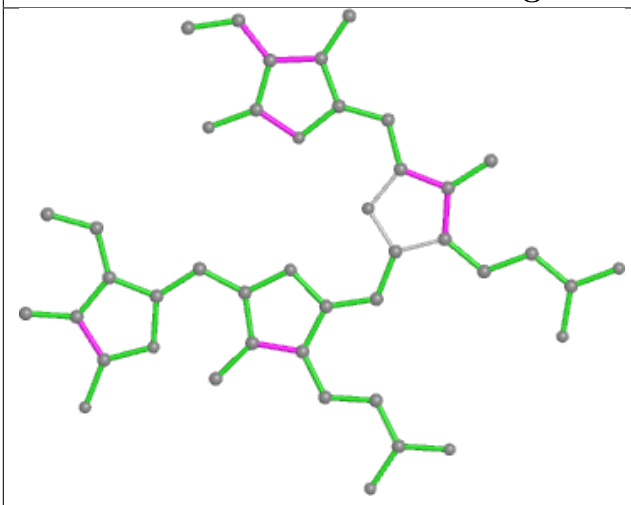


Torsions



Rings

Ligand PEB f2 202



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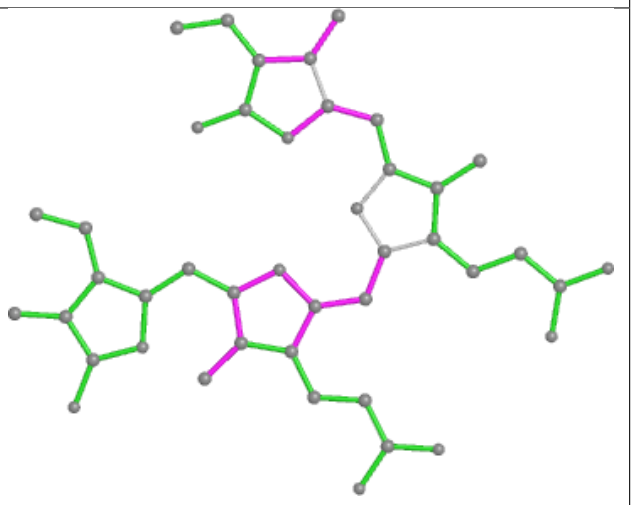
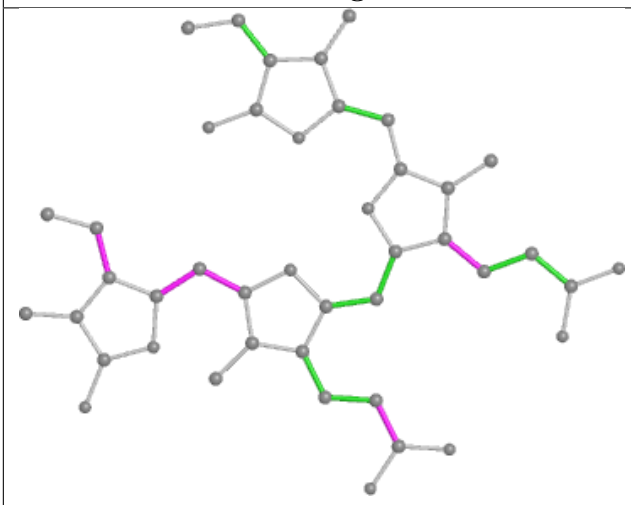


Bond angles



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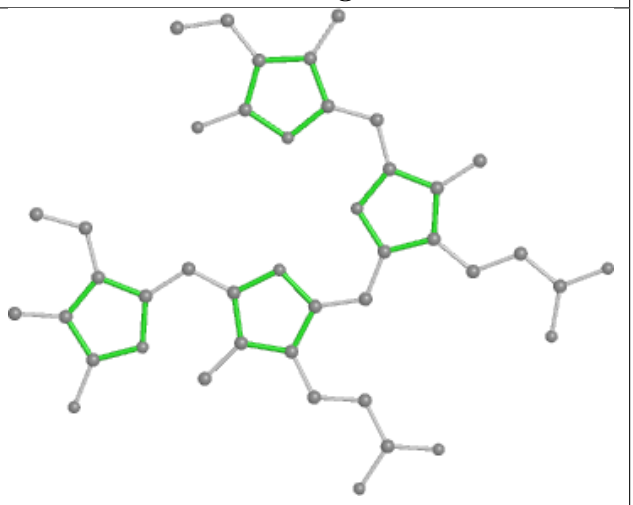
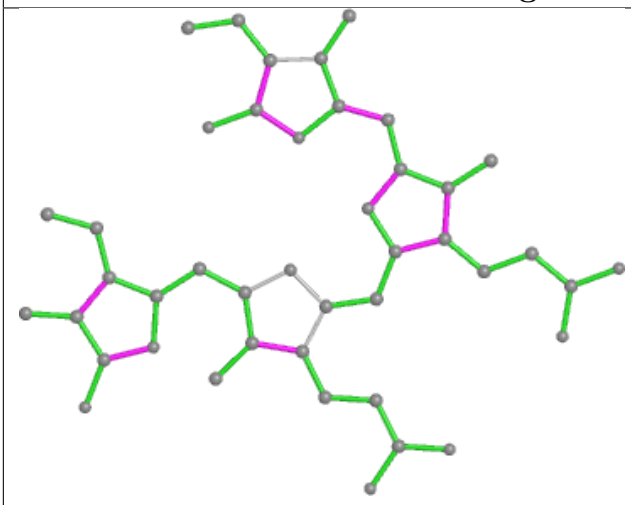


Rings

Ligand PUB r6 203



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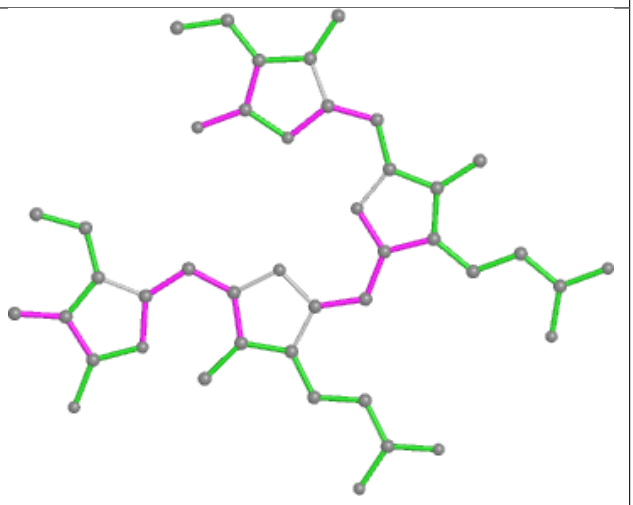

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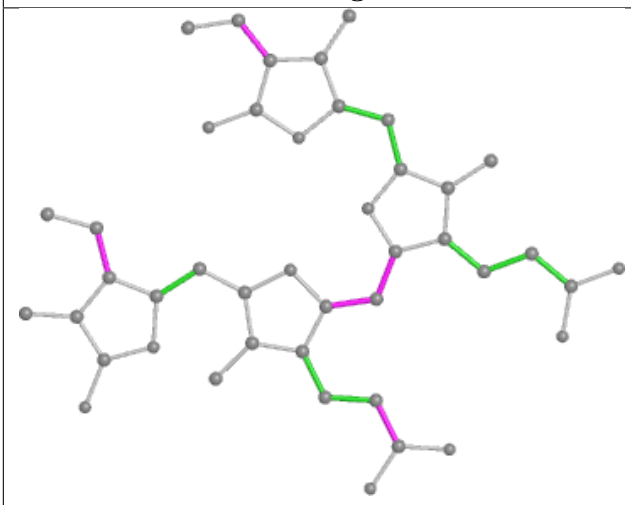

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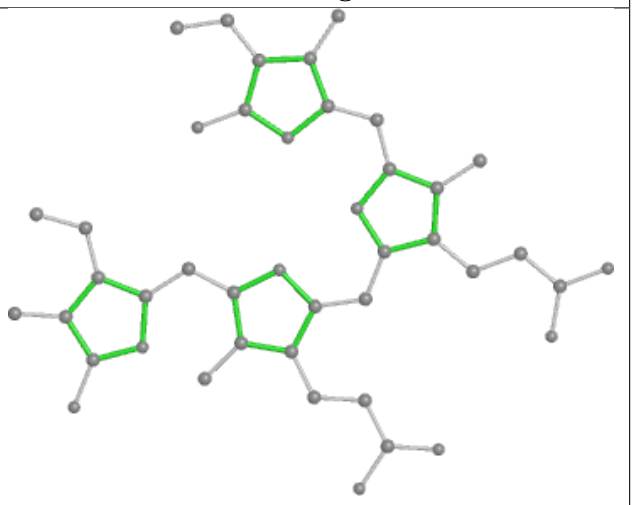
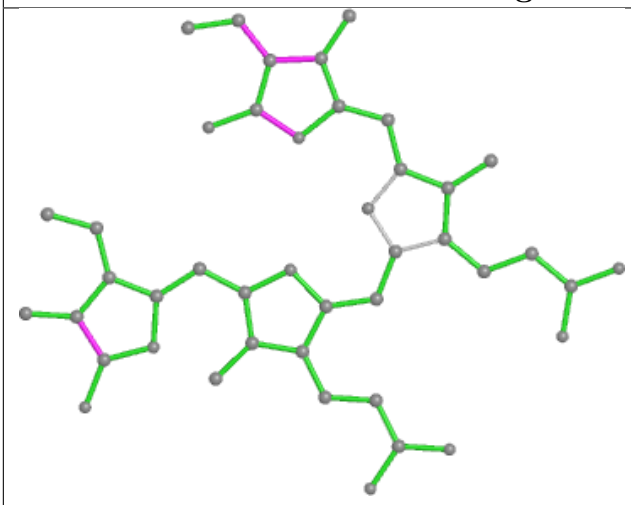


Rings

Ligand PEB bw 202



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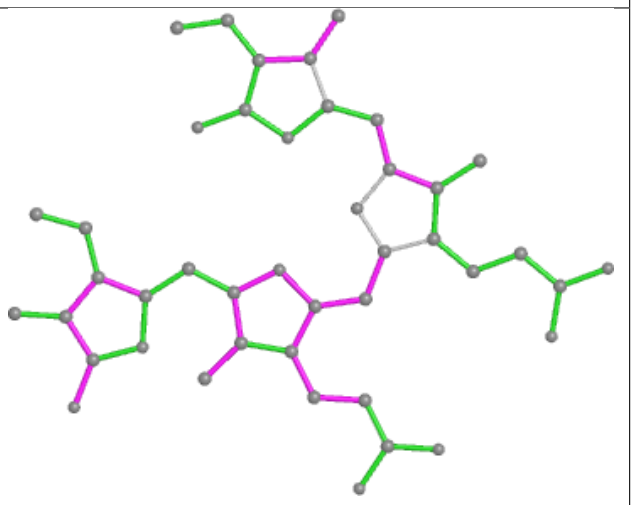

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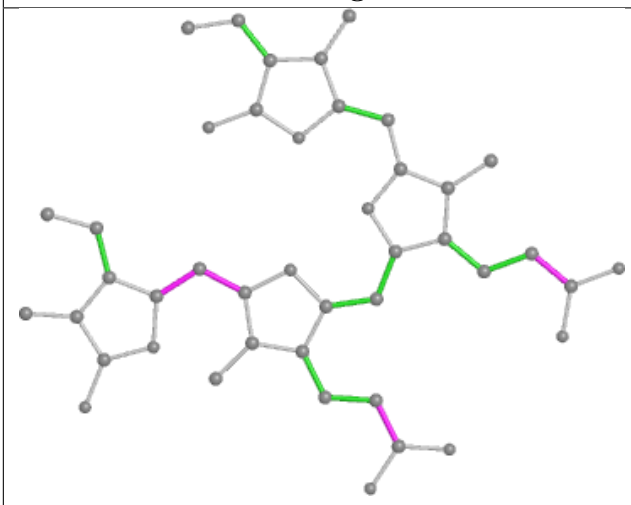

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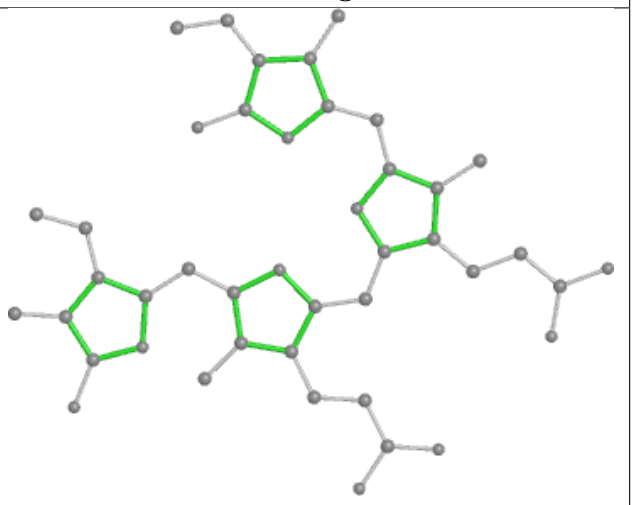
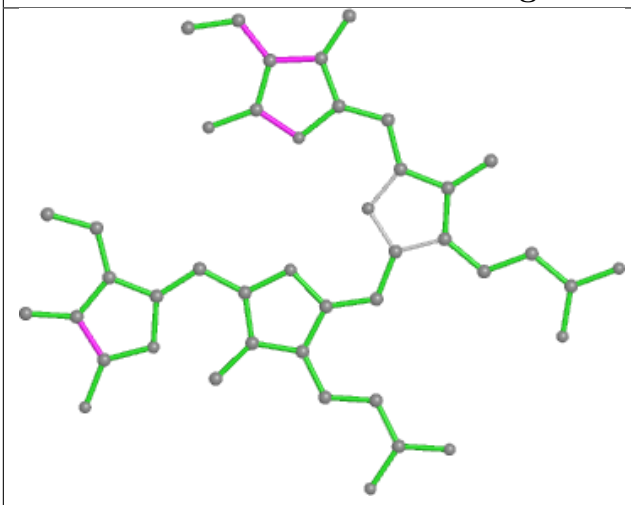


Rings

Ligand PEB gy 301



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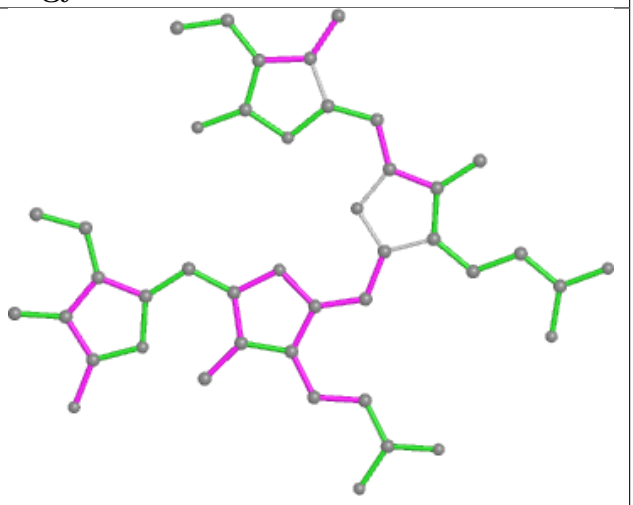

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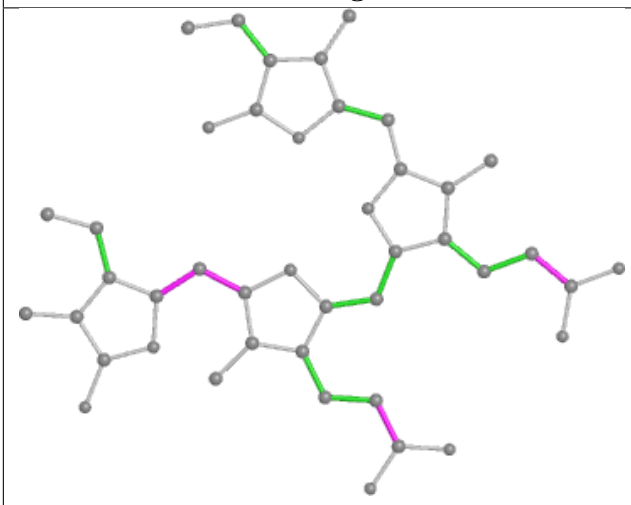

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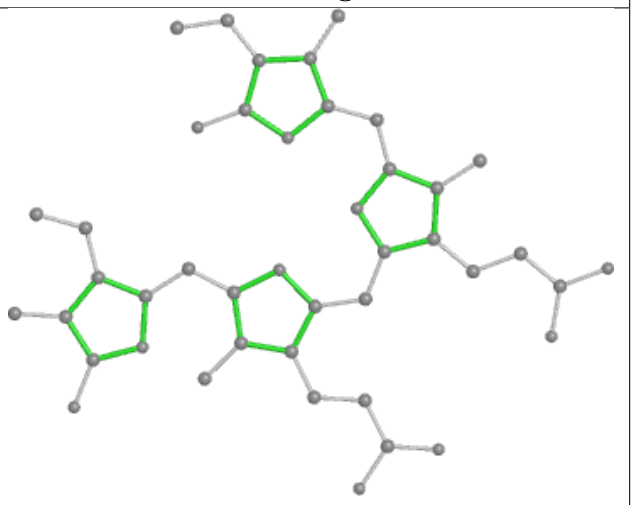
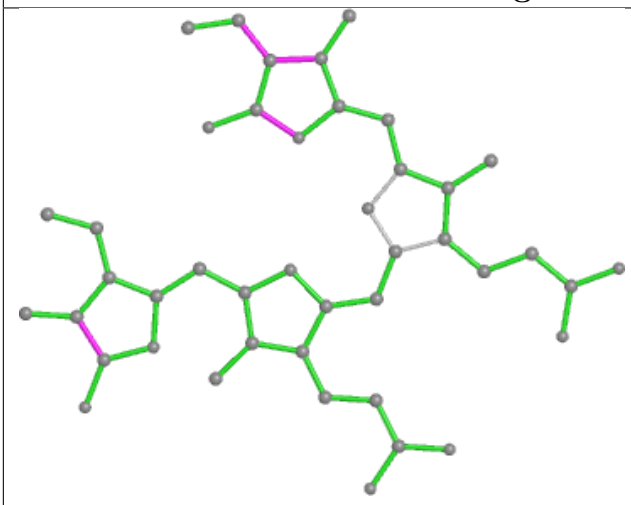


Rings

Ligand PEB hH 201



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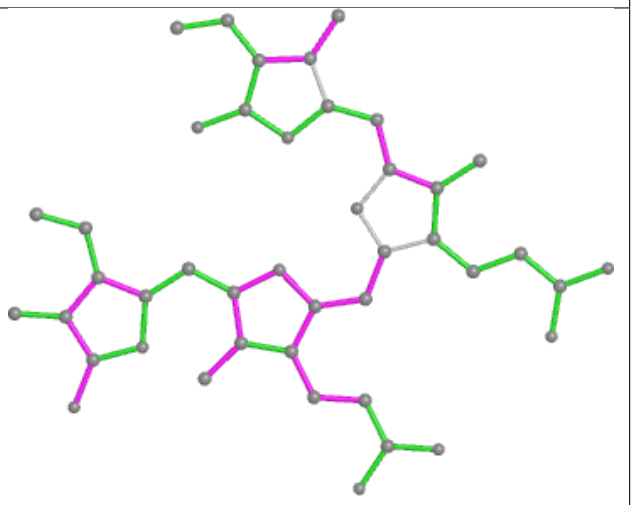

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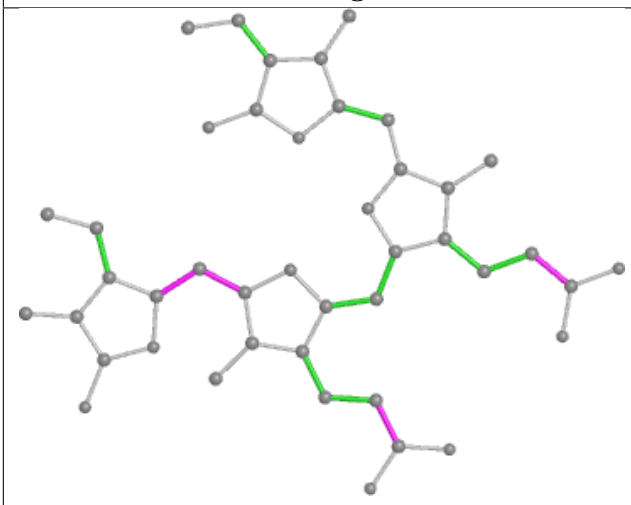

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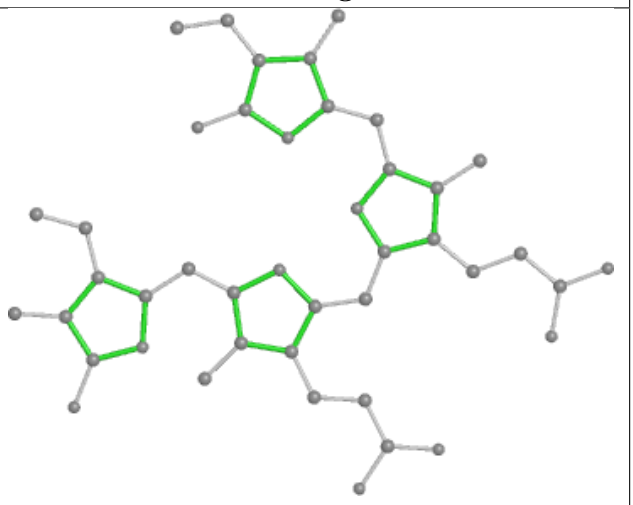
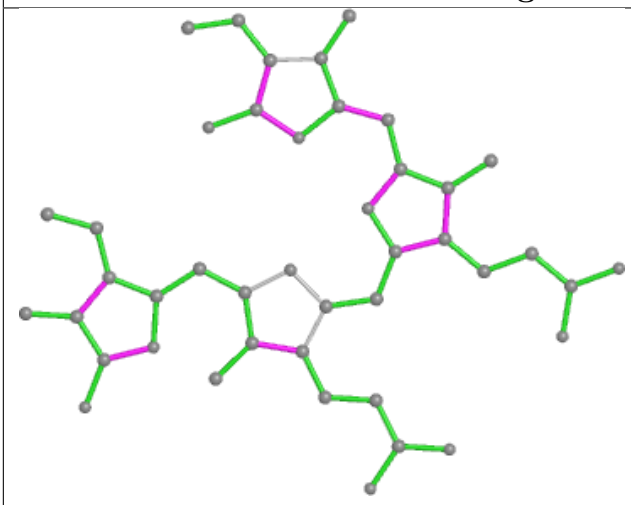


Rings

Ligand PUB J2 202



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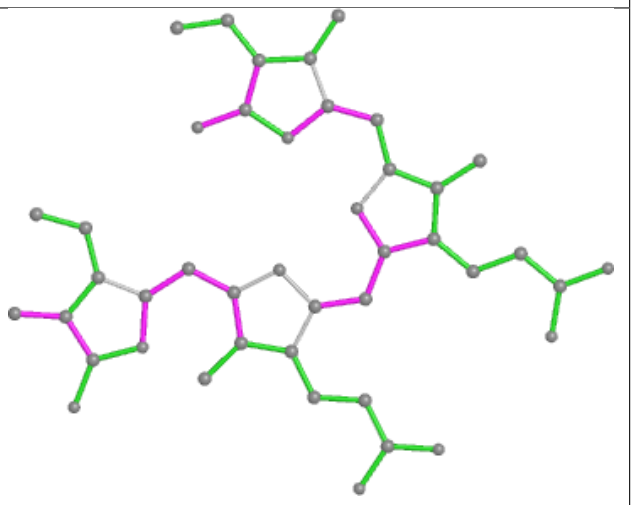

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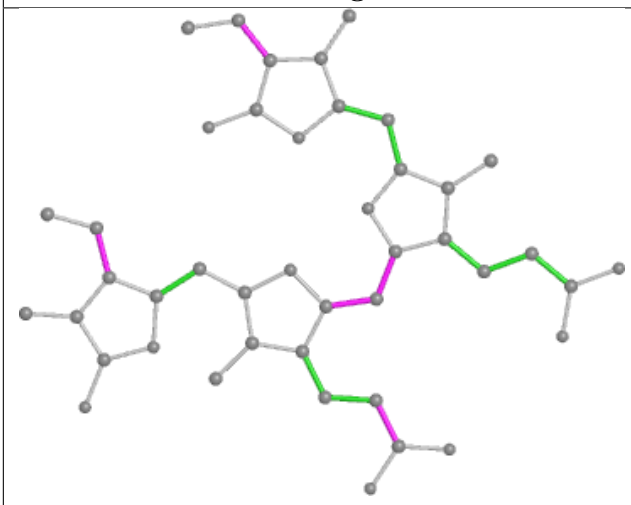

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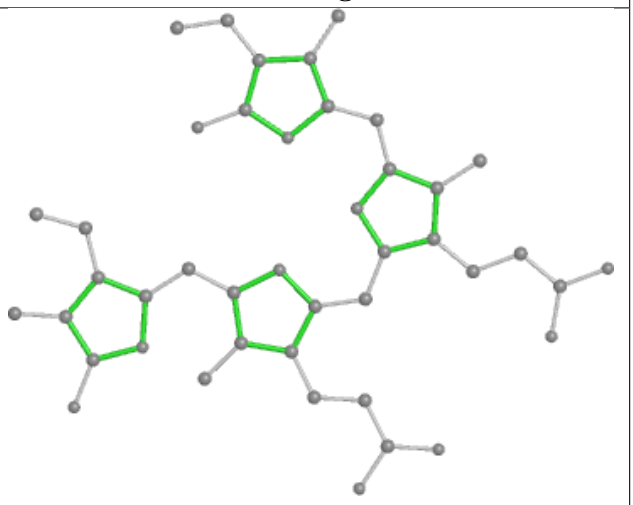
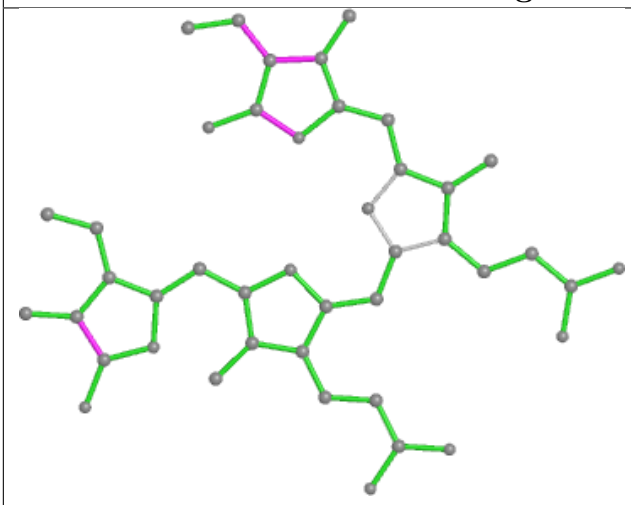


Rings

Ligand PEB Y4 201



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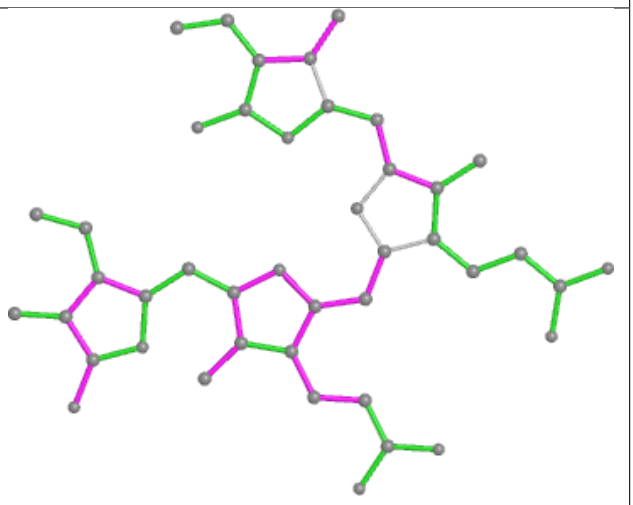

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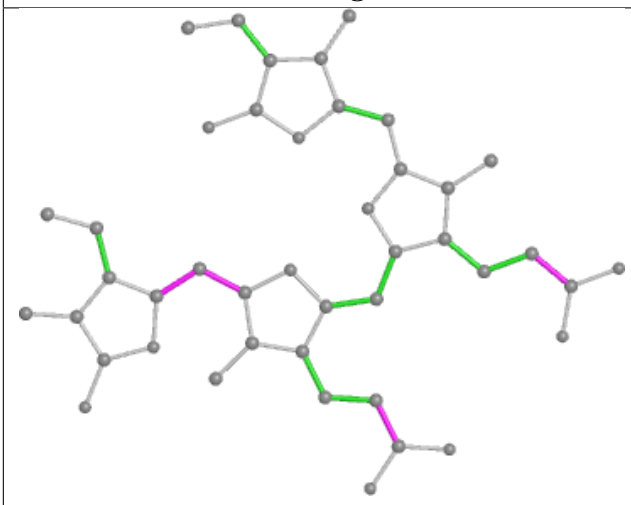

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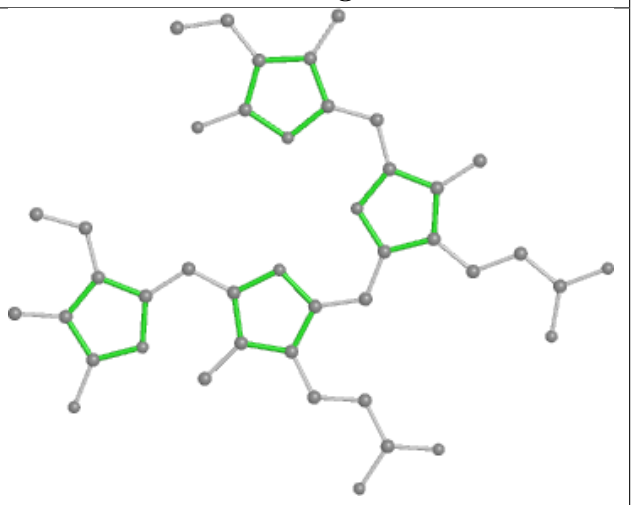
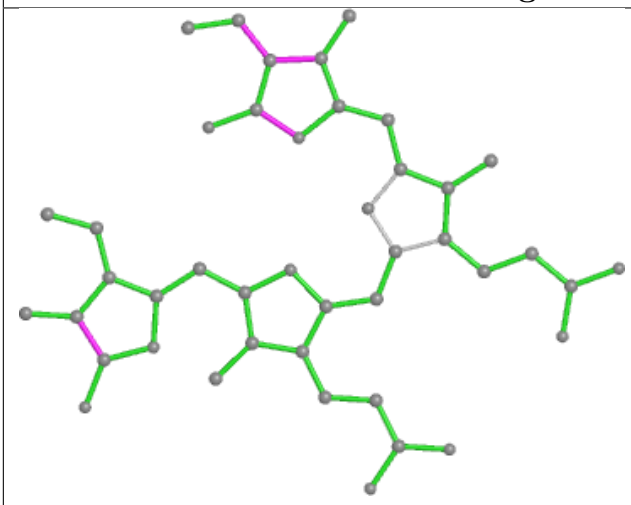


Rings

Ligand PEB u9 201



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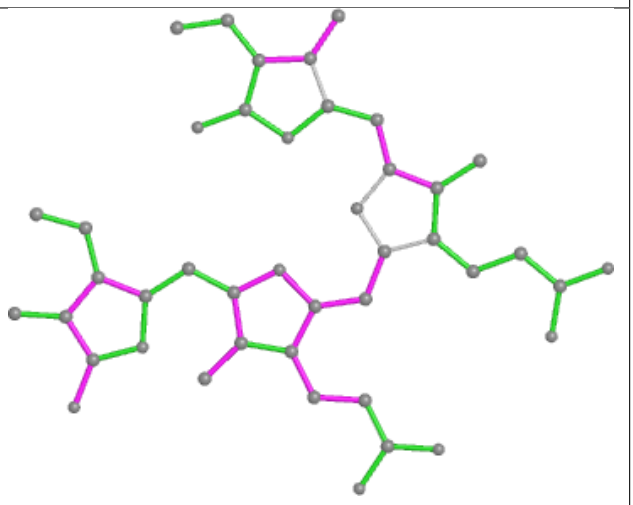

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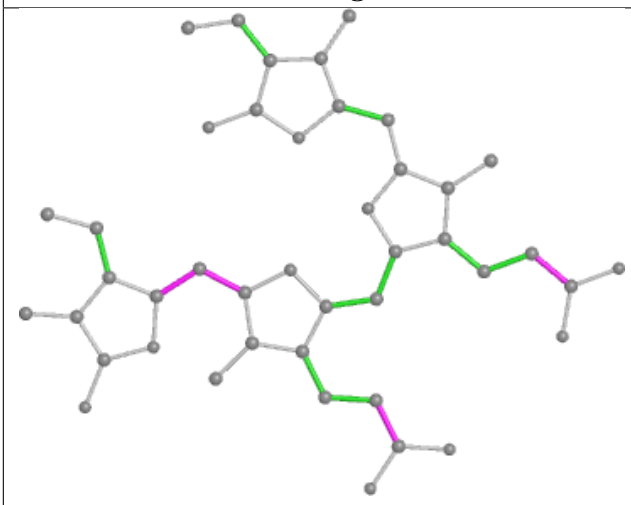

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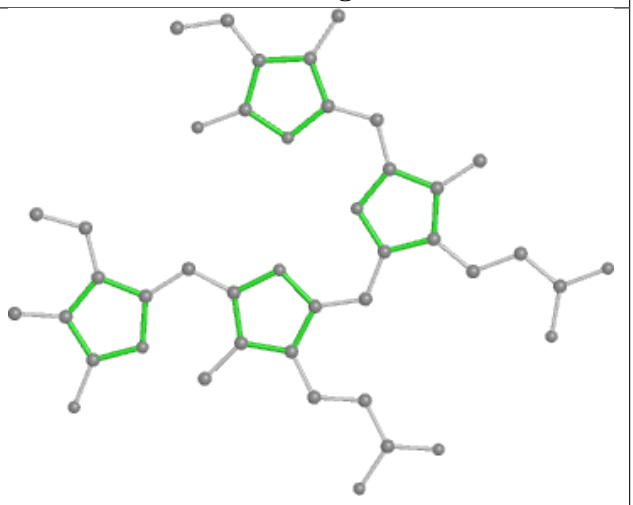

Rings

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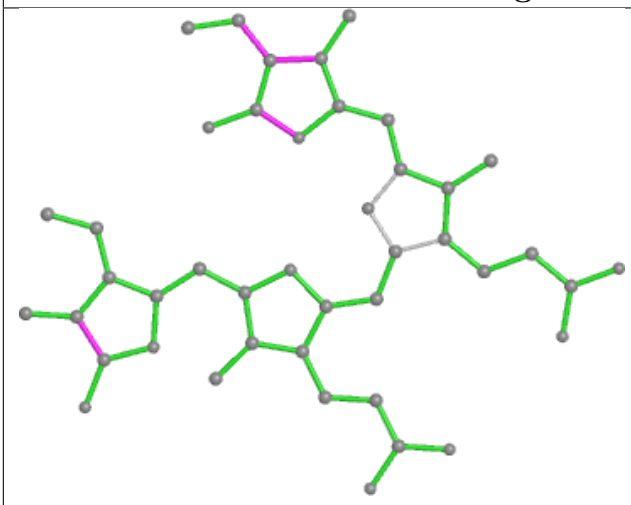

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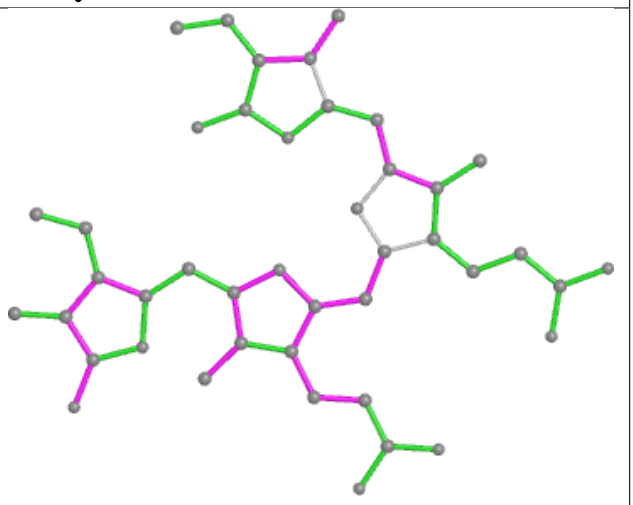

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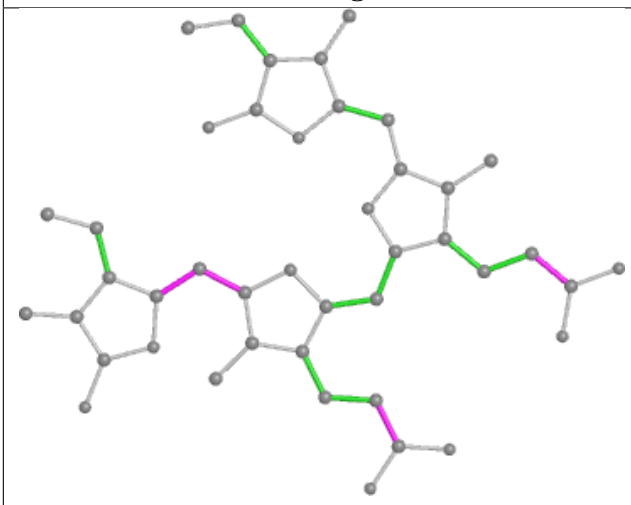

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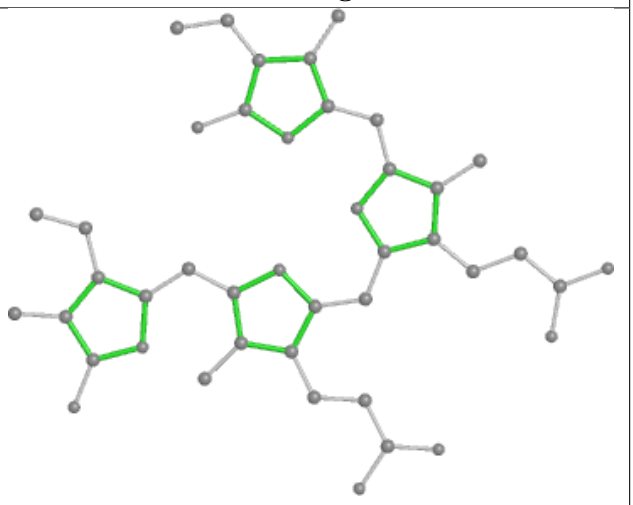
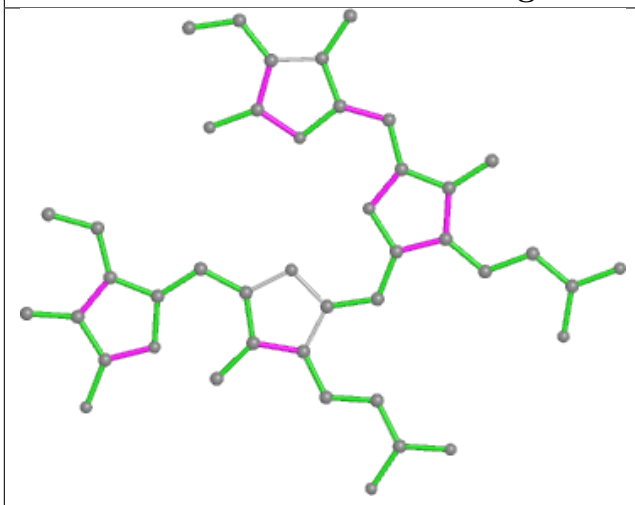


Rings

Ligand PUB d3 304



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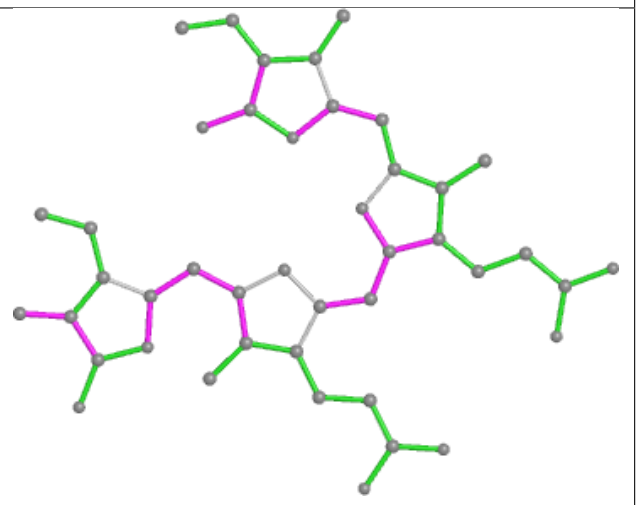

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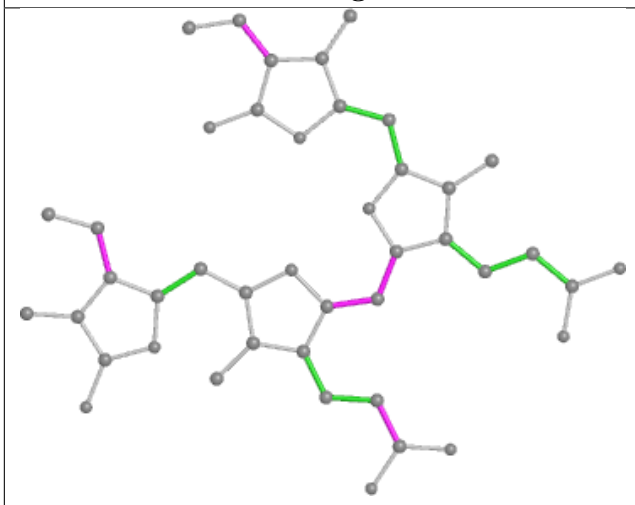

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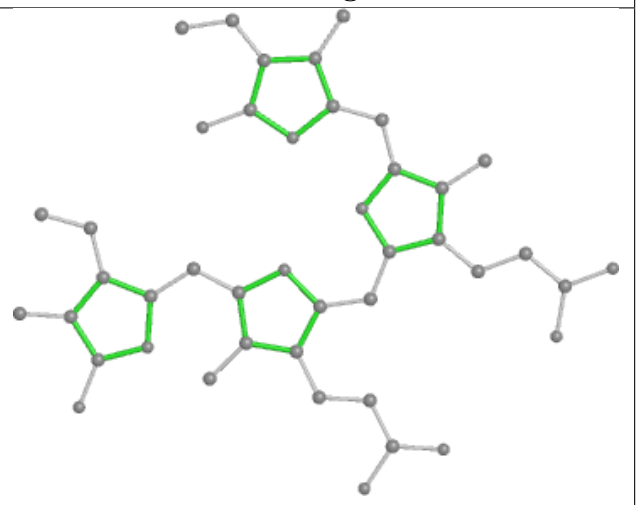
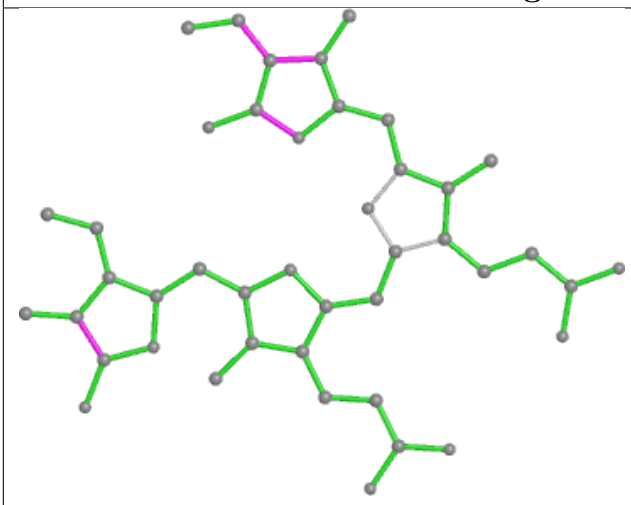


Rings

Ligand PEB l6 202



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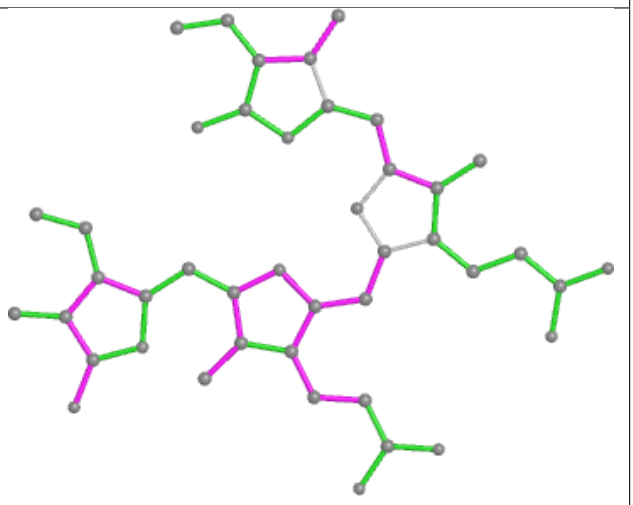

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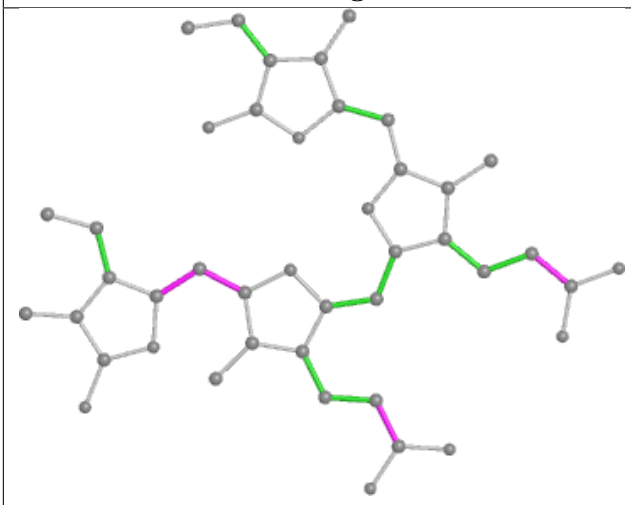

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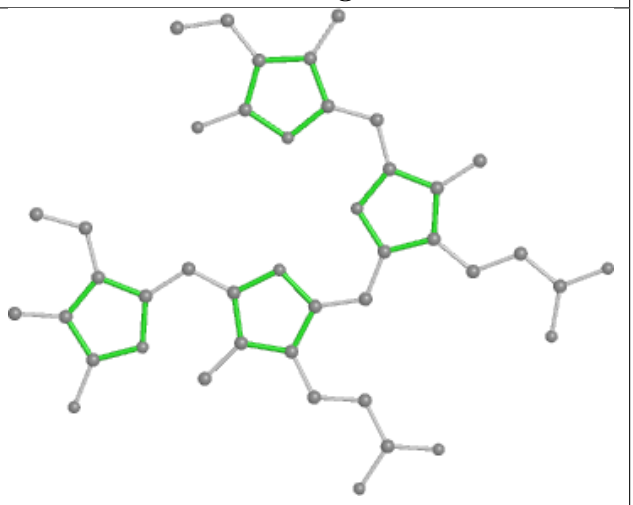
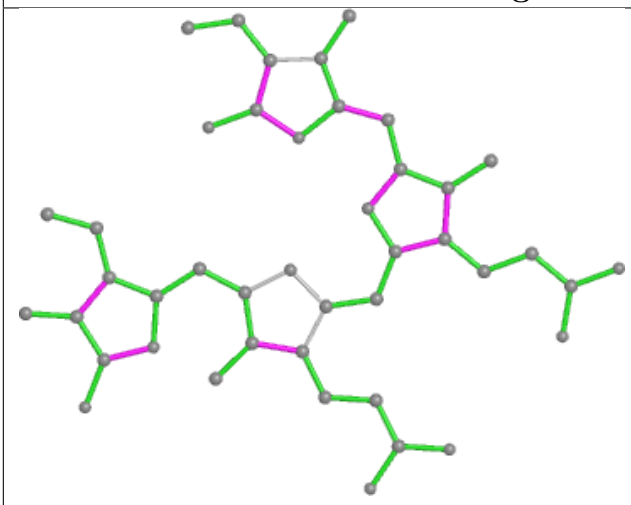


Rings

Ligand PUB hY 406



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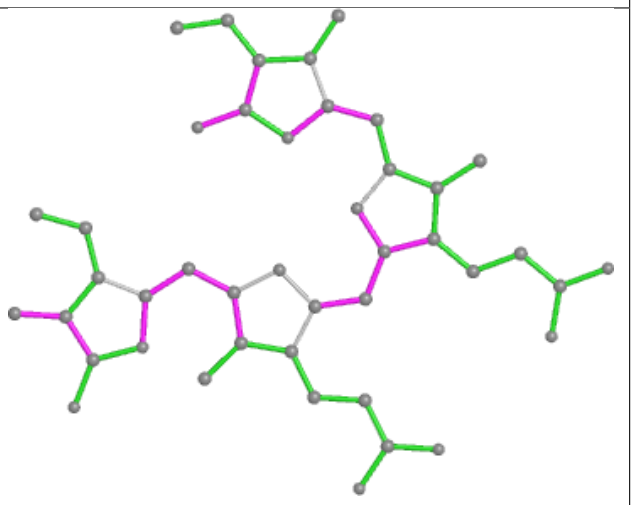

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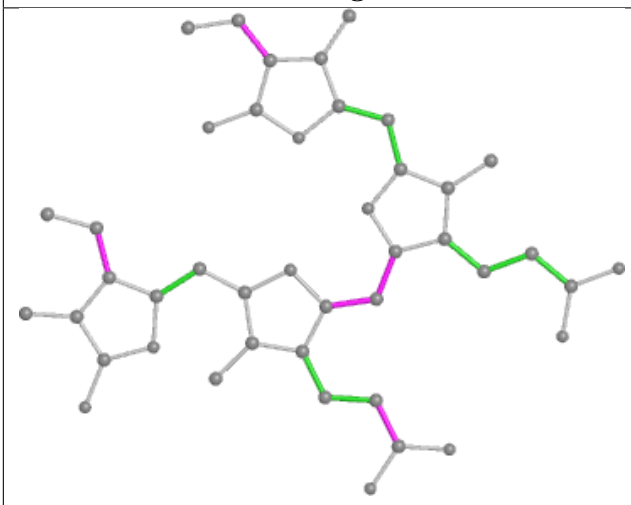

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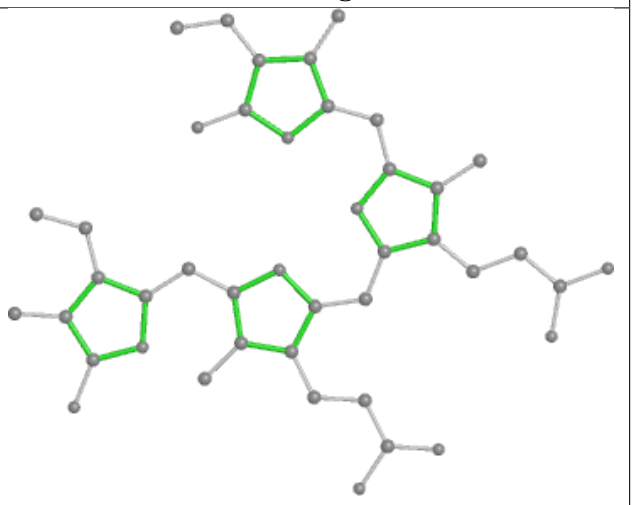
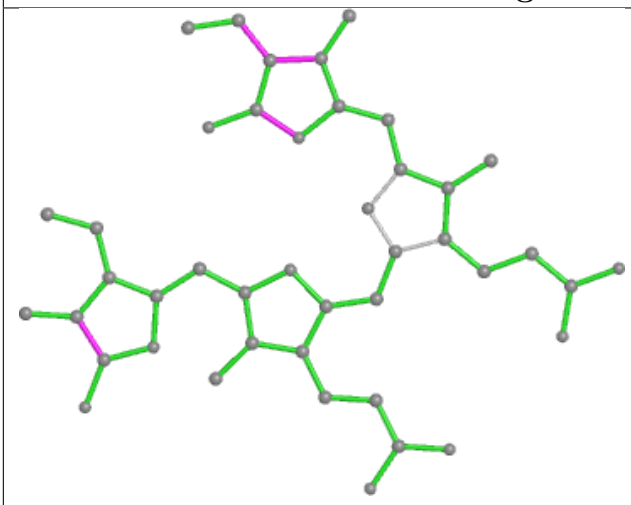


Rings

Ligand PEB T6 202



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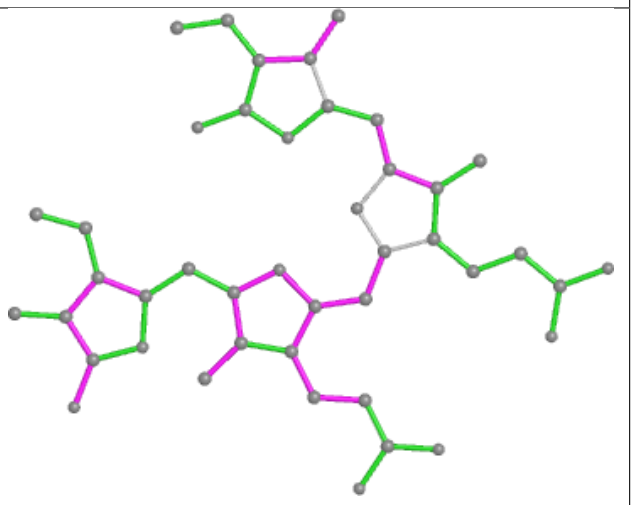
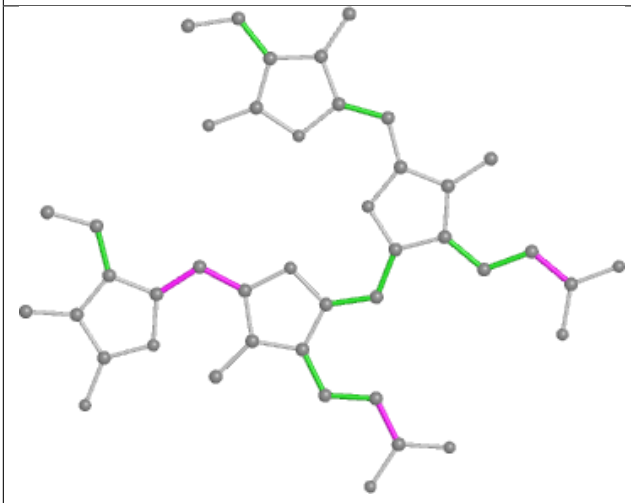


Bond angles



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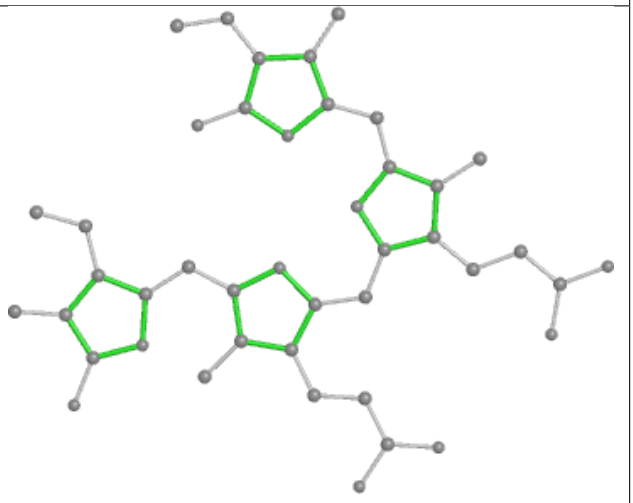
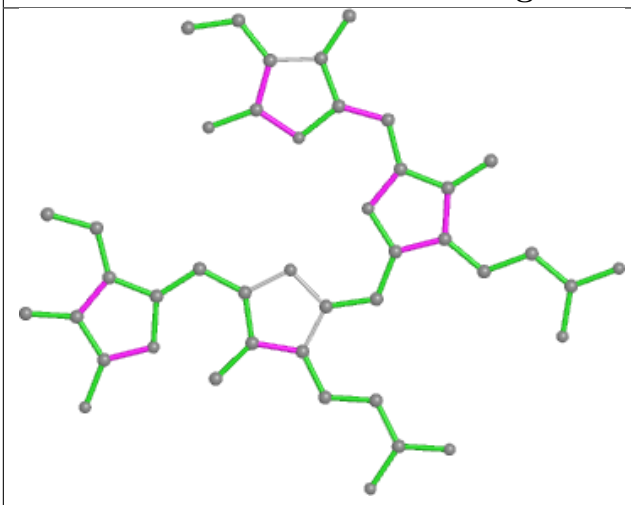
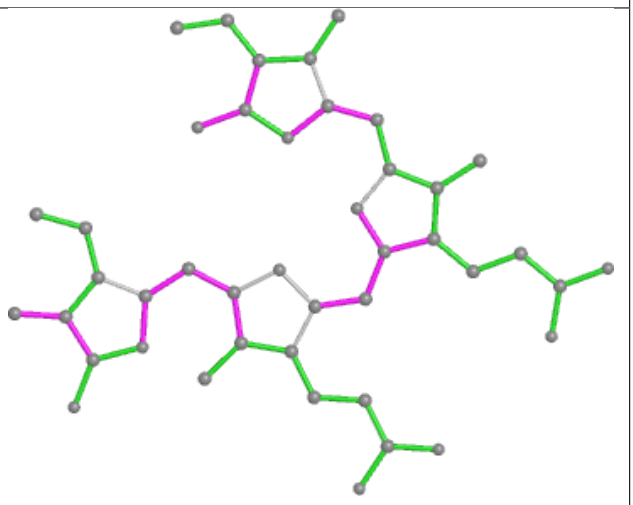


Rings

Ligand PUB aZ 305



Bond lengths



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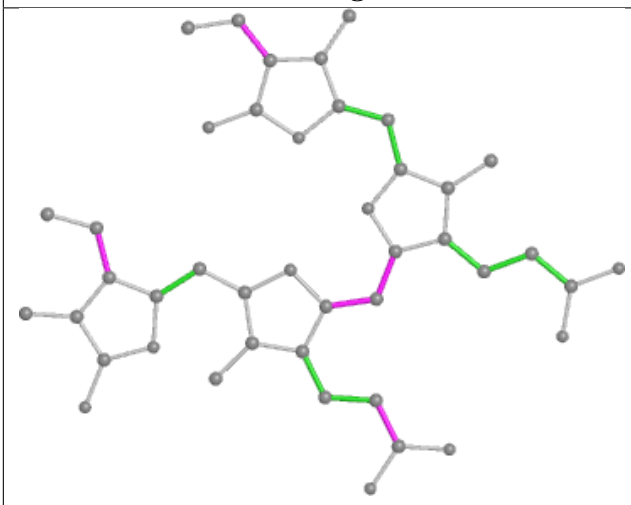
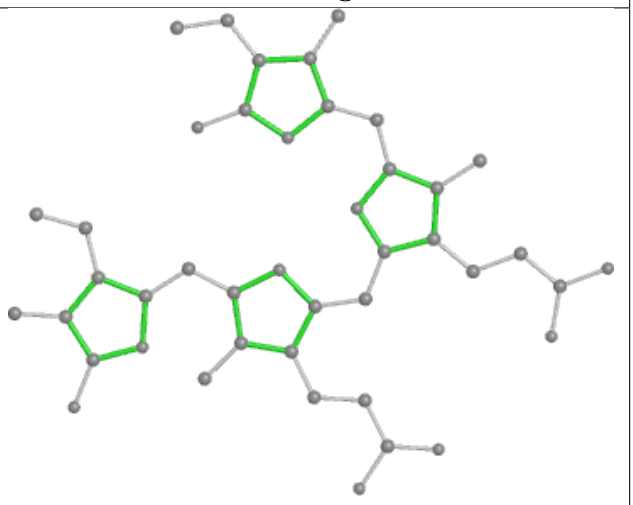
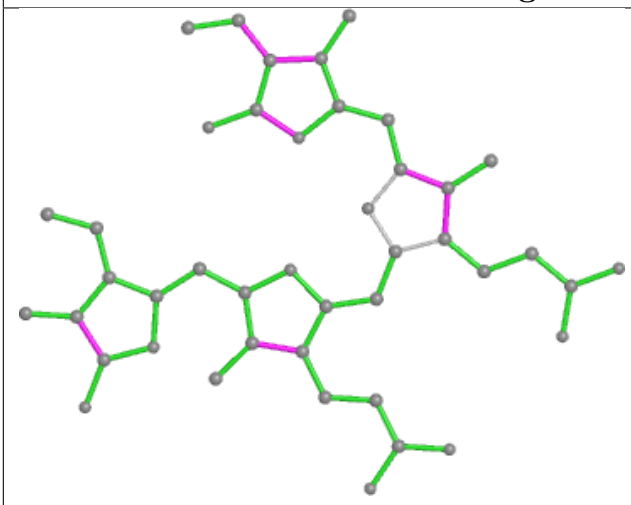


Torsions



Rings

Ligand PEB h3 201



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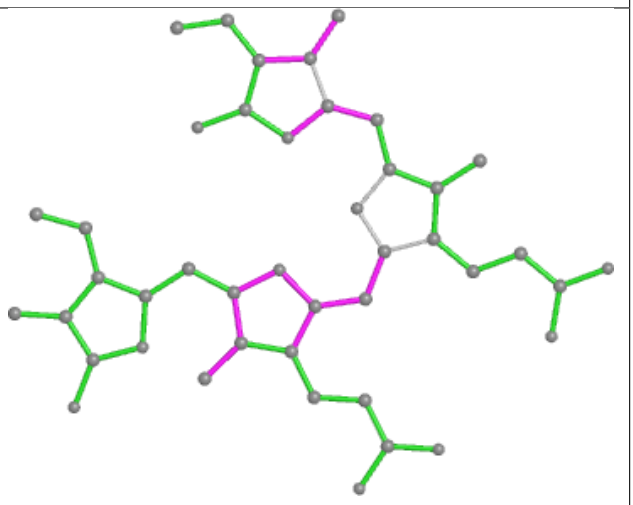

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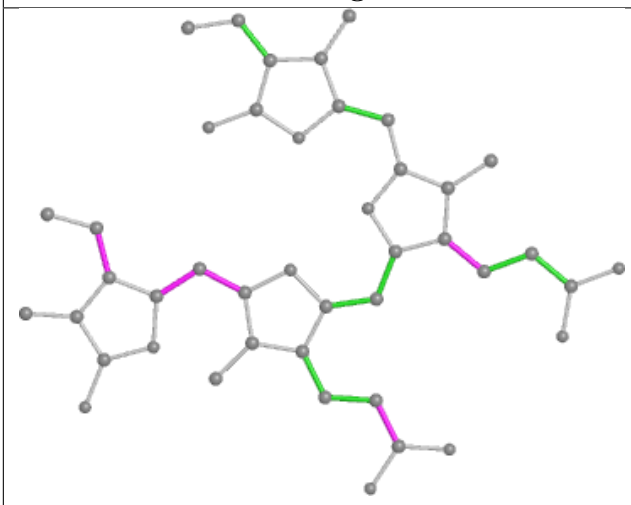

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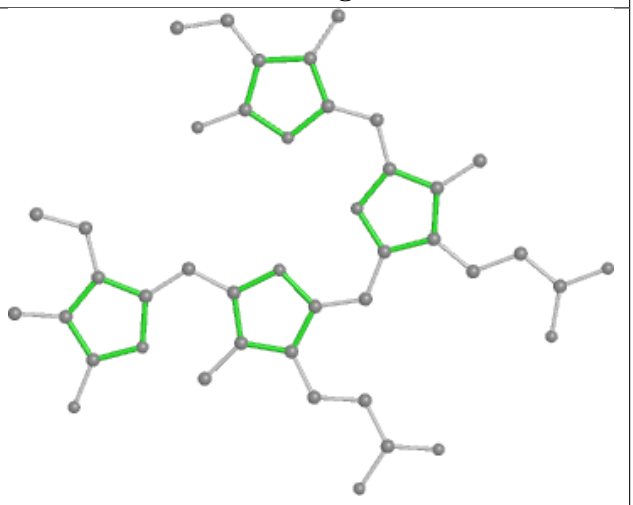

Rings

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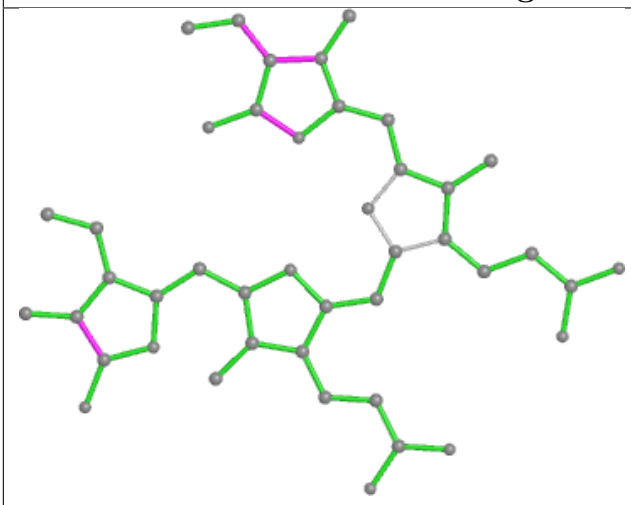

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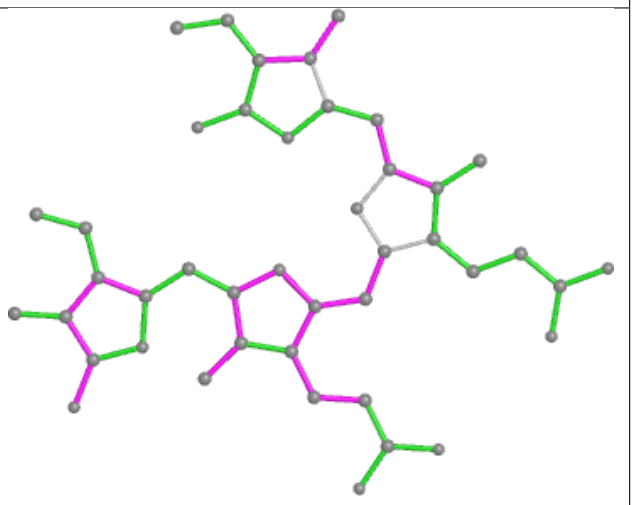

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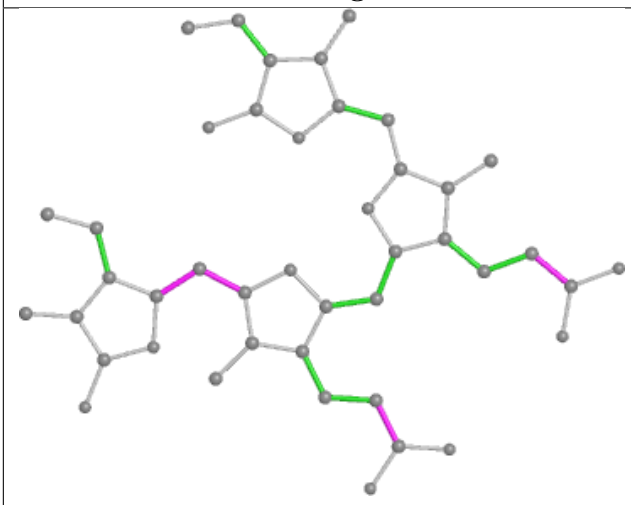

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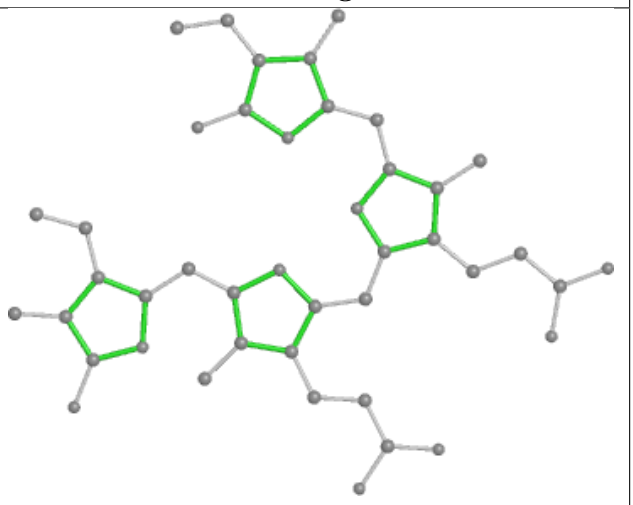

Rings

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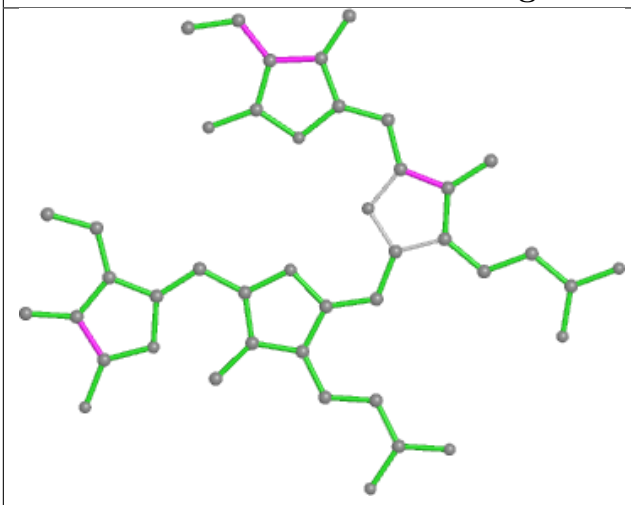

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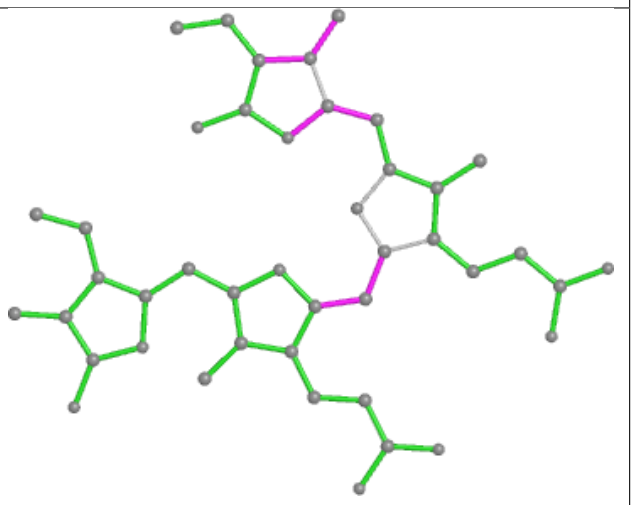

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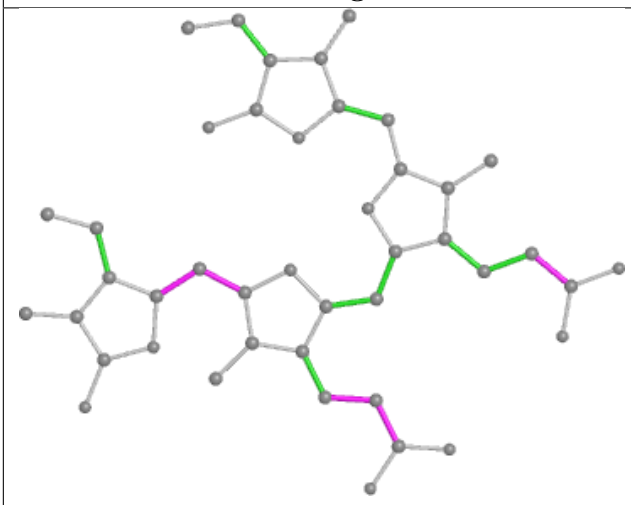

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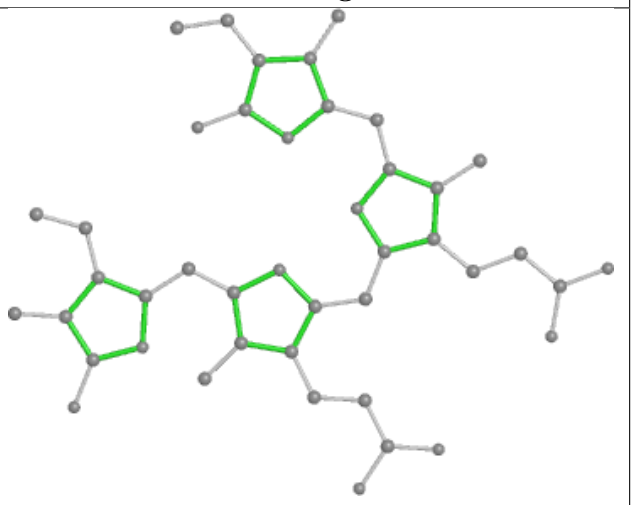

Rings

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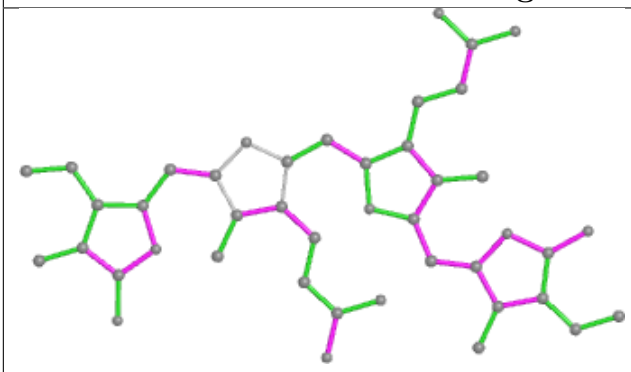

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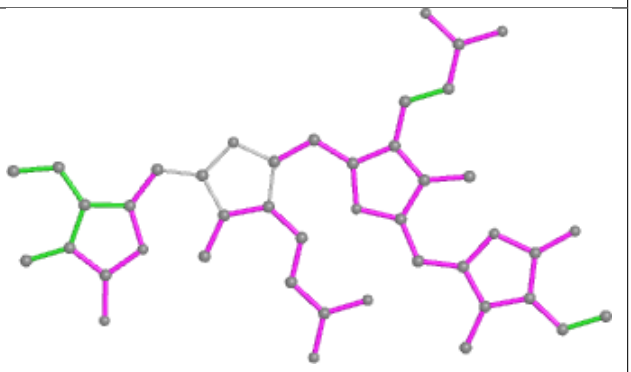

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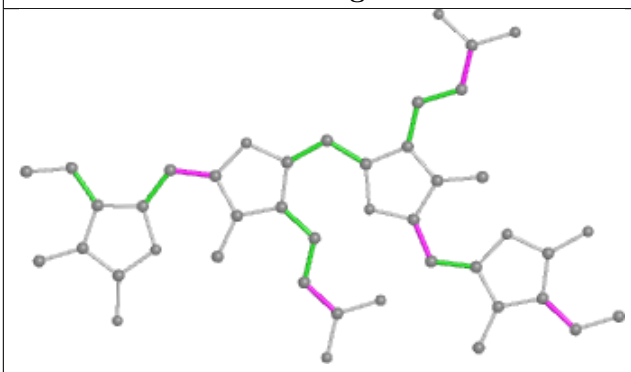

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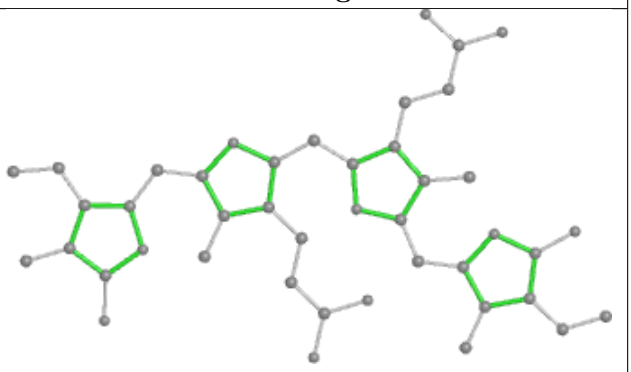

Rings

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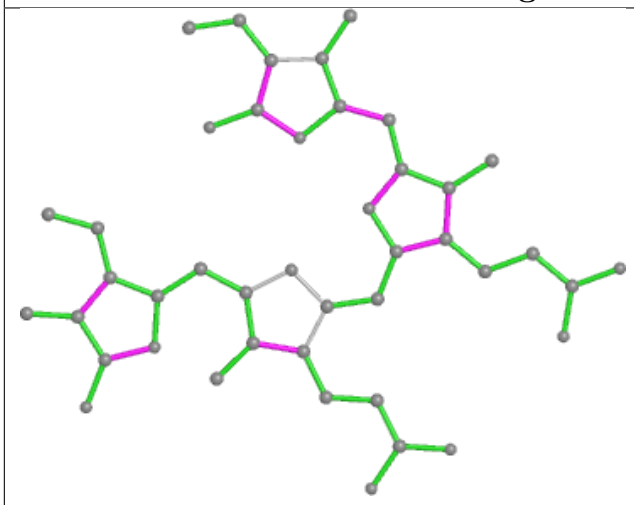

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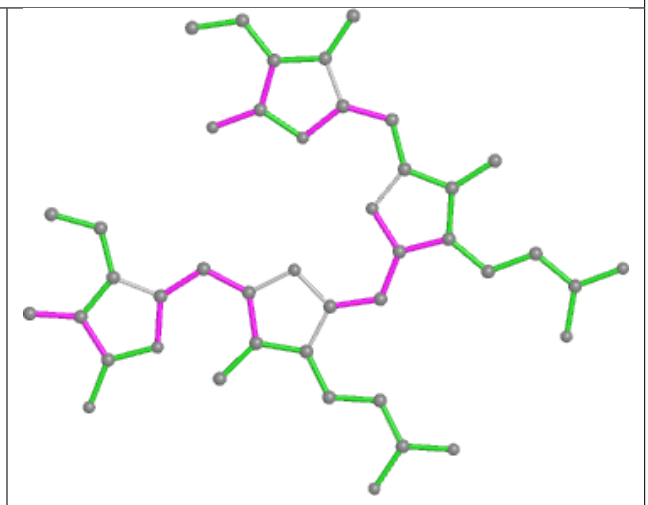

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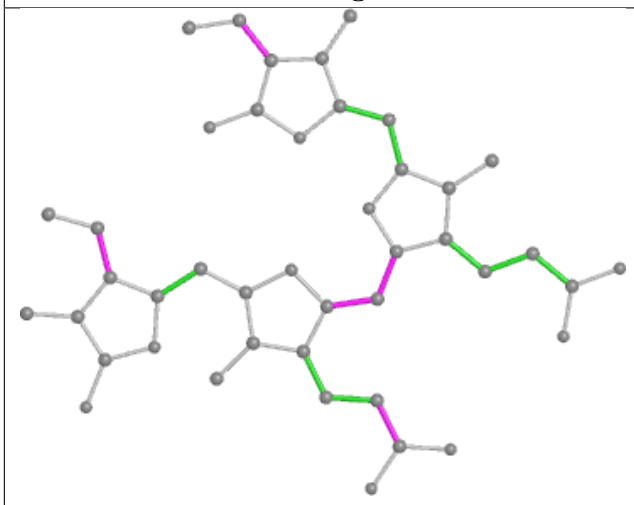

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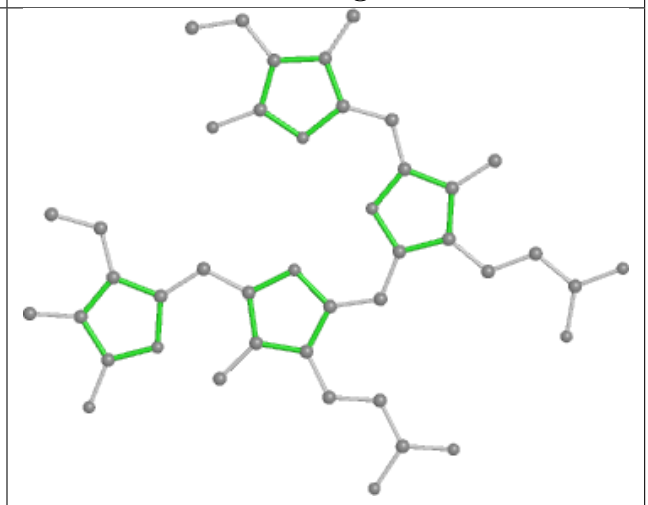
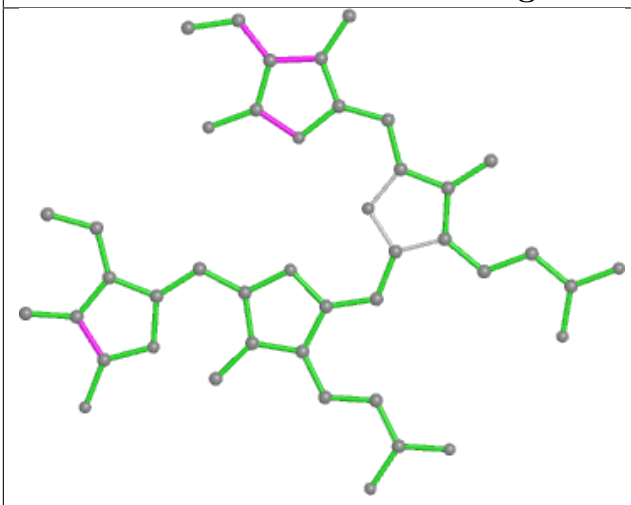


Rings

Ligand PEB L2 201



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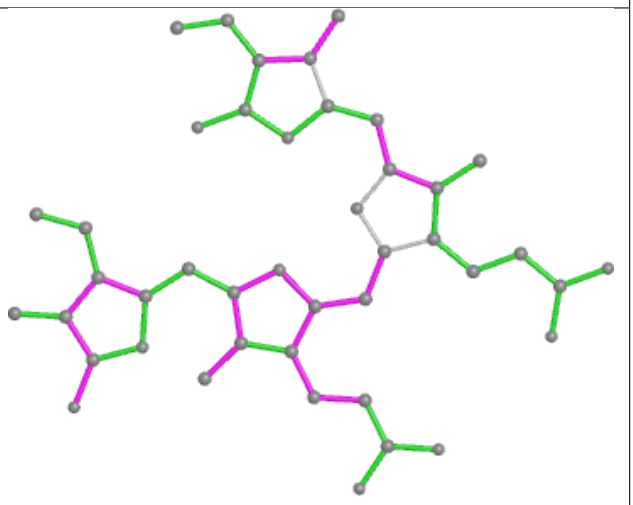

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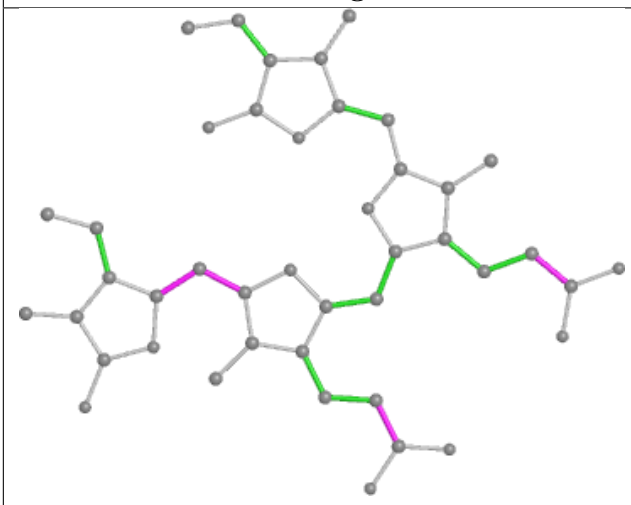

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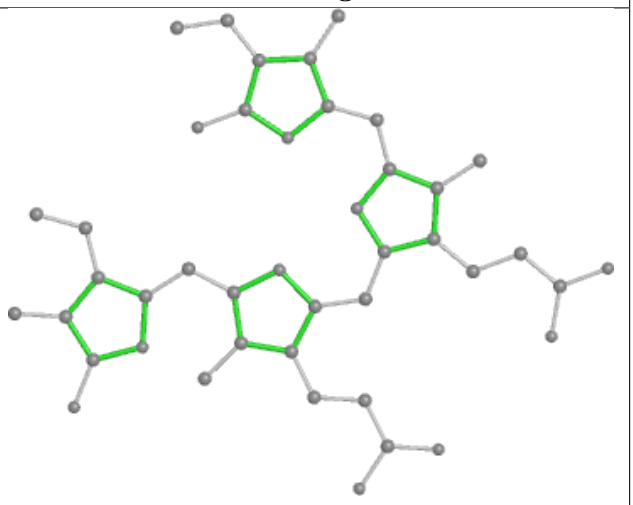
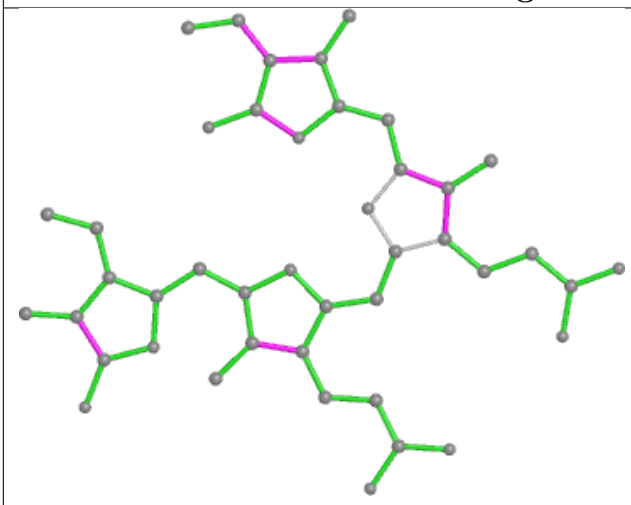


Rings

Ligand PEB jI 1002



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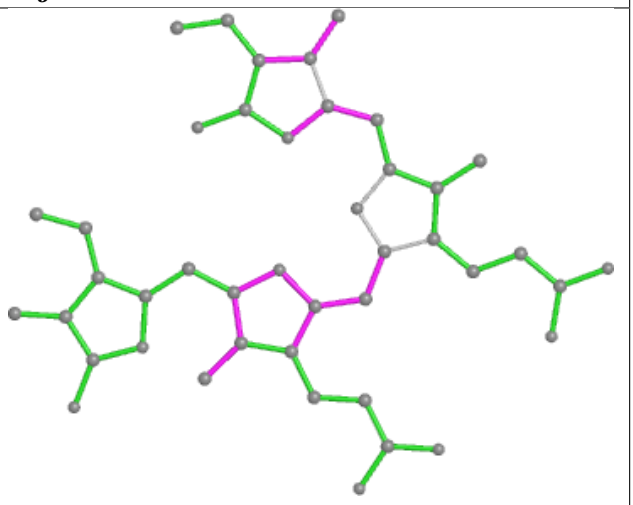

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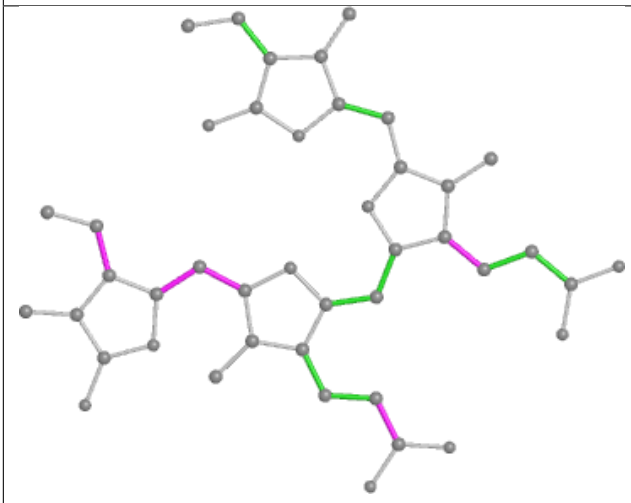

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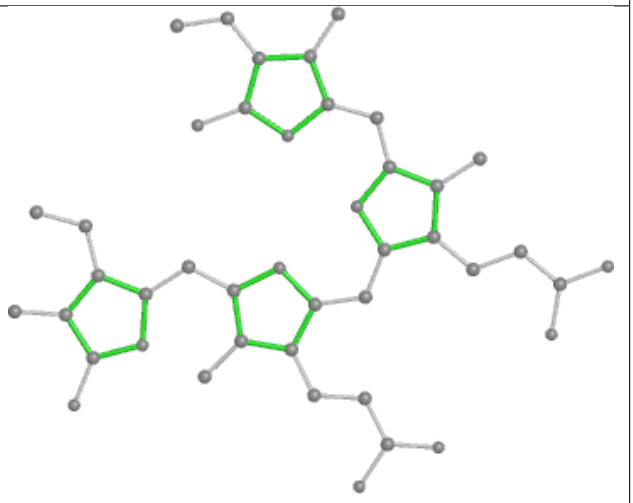

Rings

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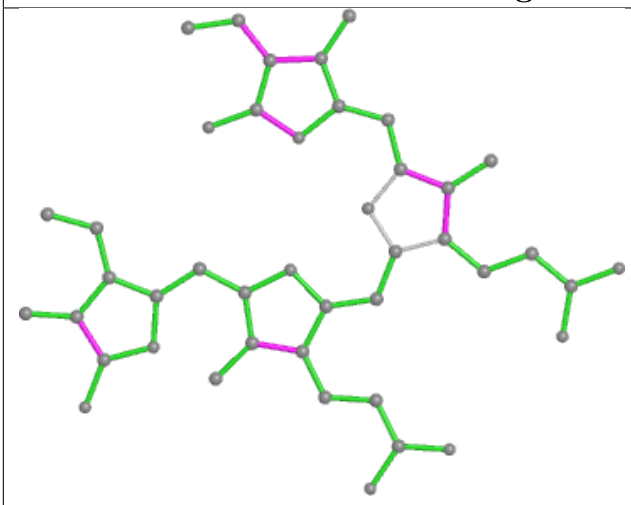

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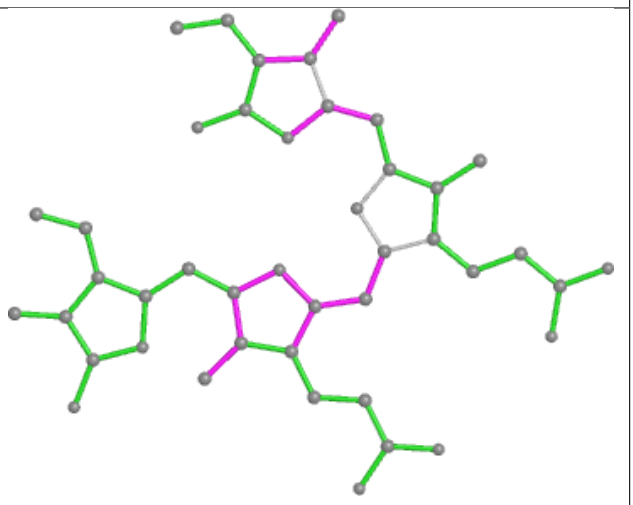

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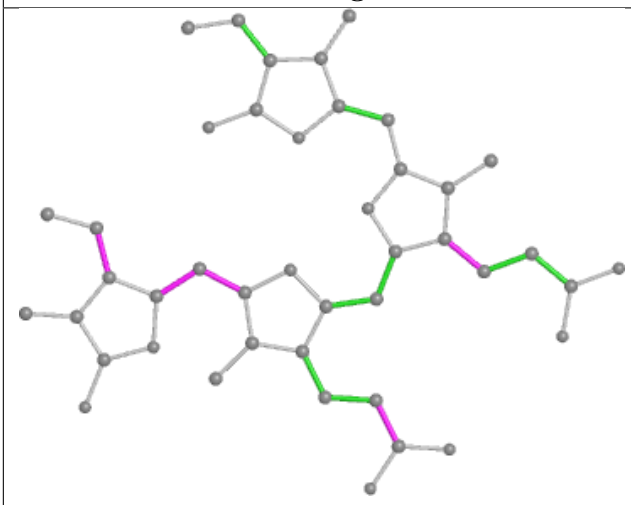

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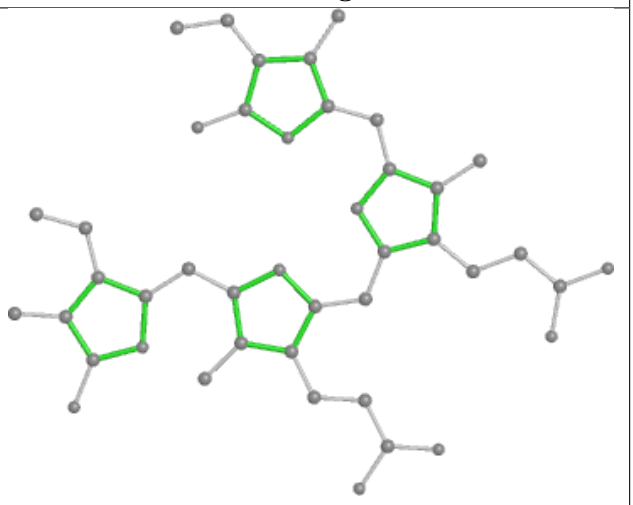
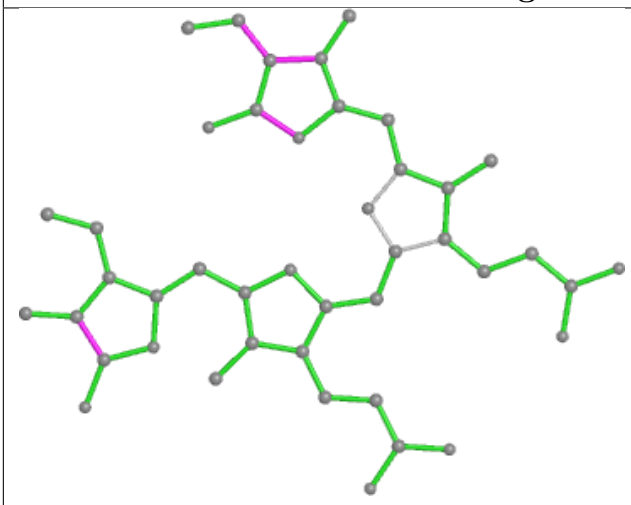


Rings

Ligand PEB cE 201



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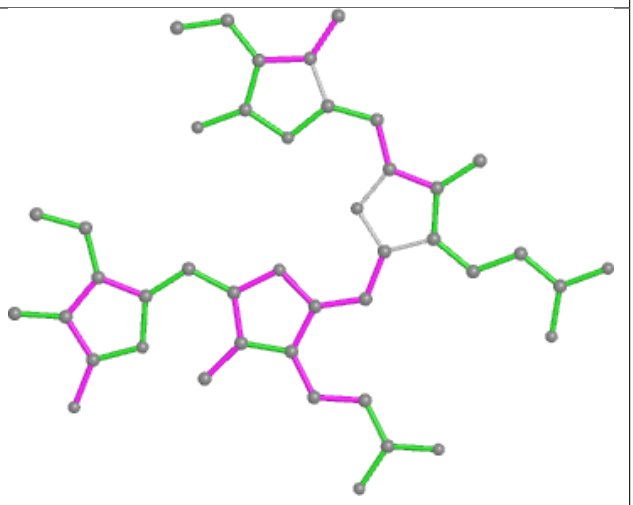

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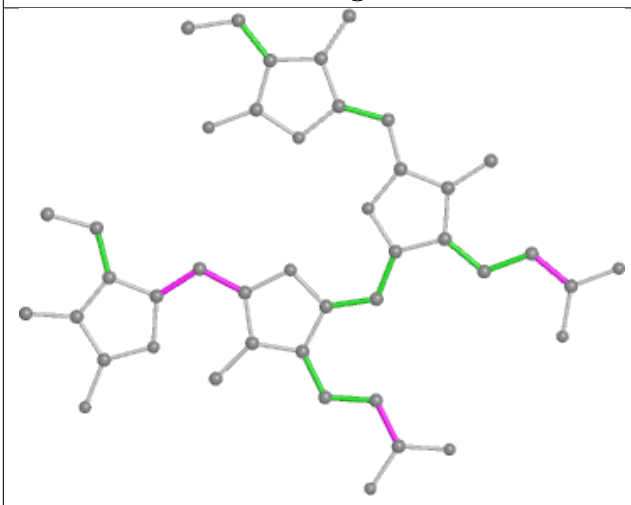

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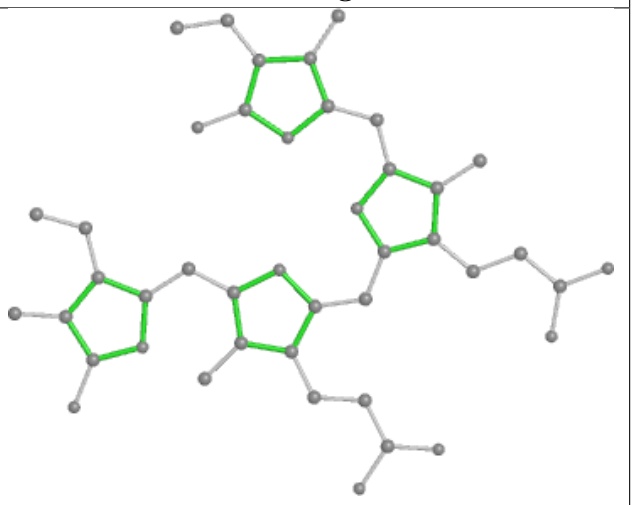

Rings

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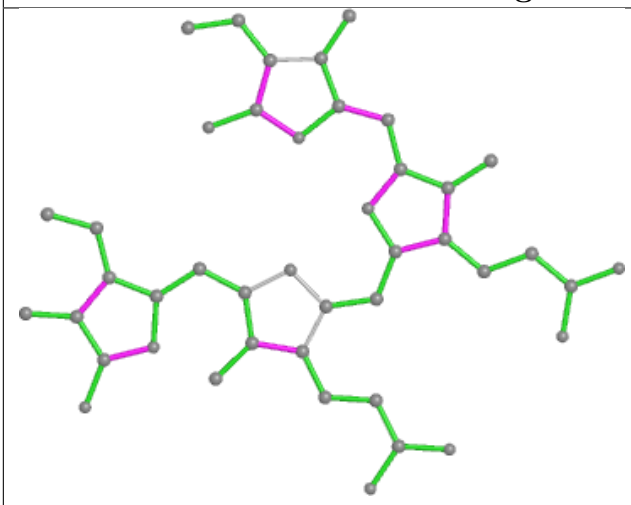

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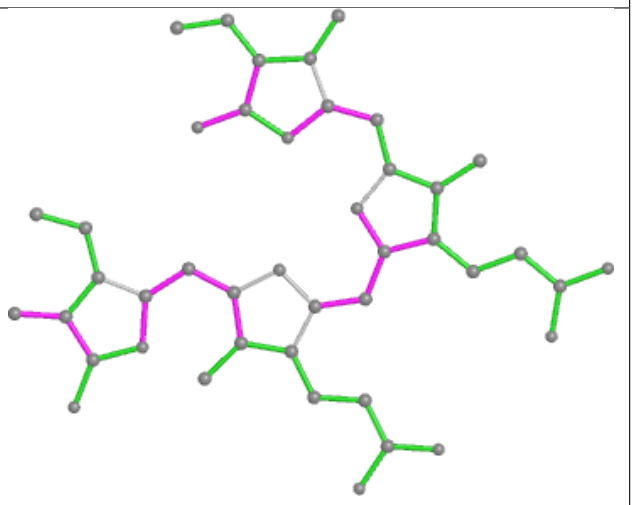

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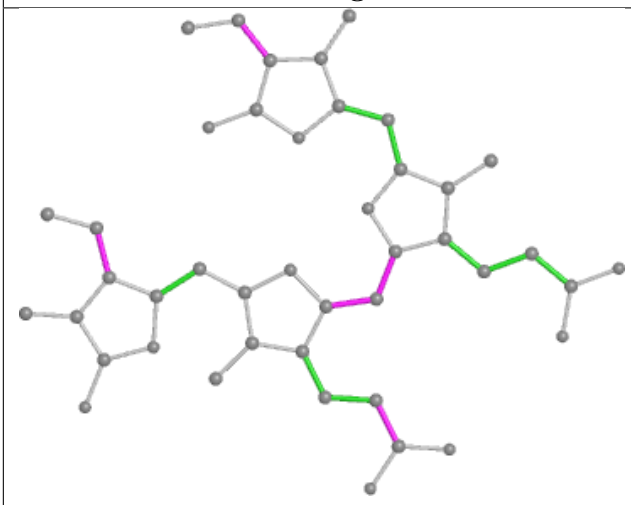

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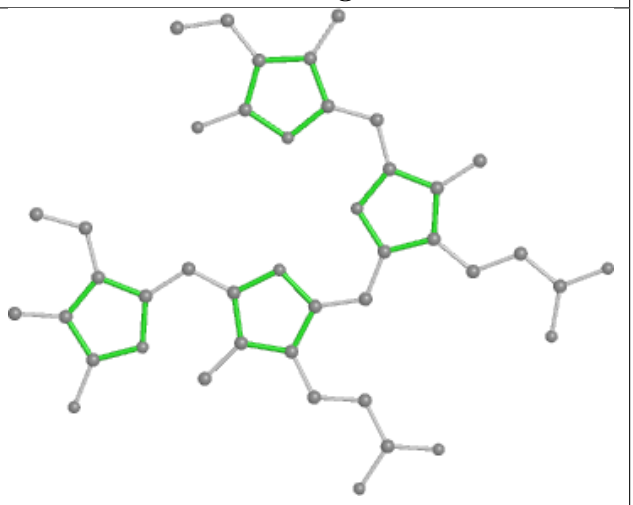

Rings

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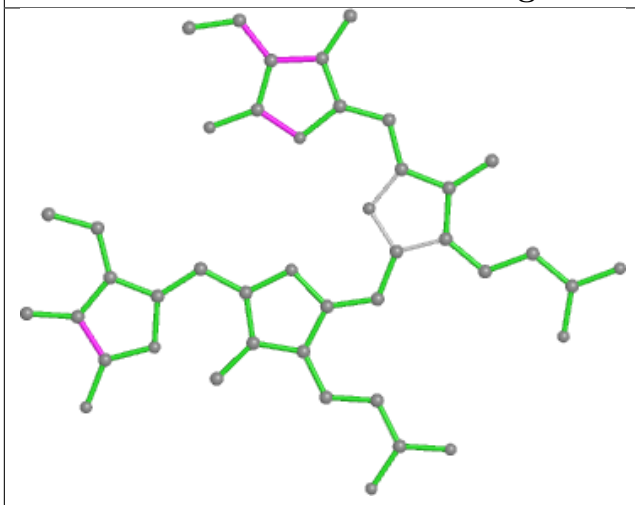

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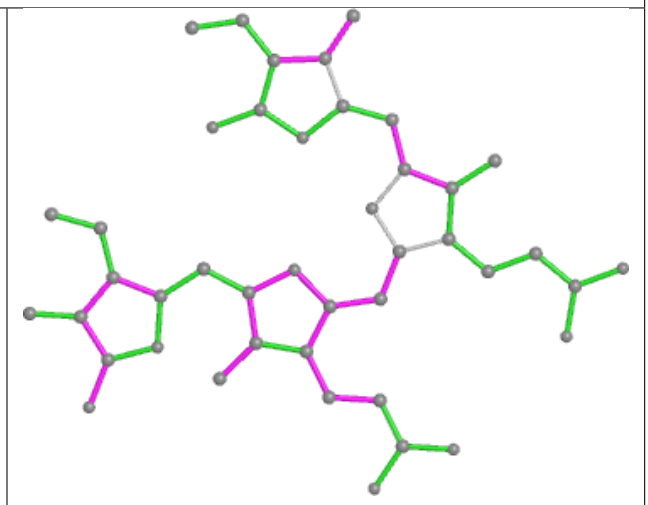

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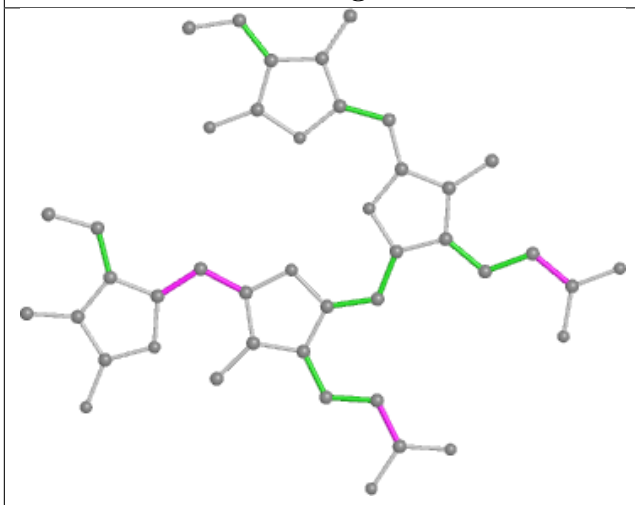

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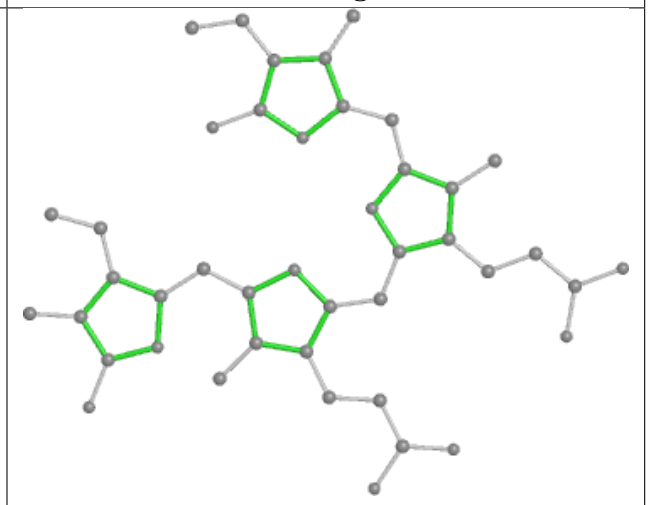

Rings

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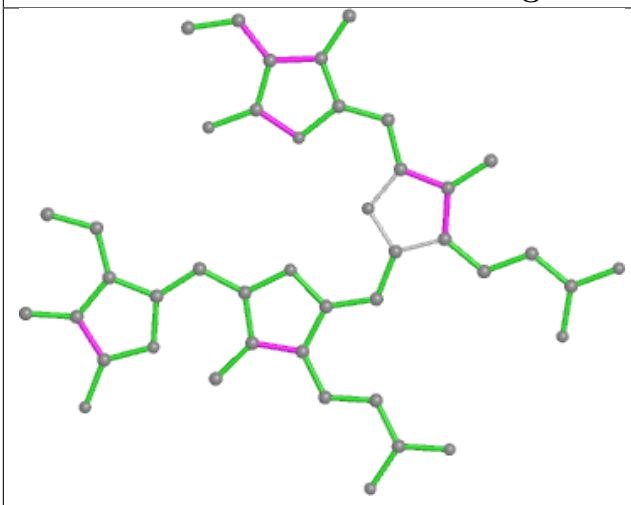

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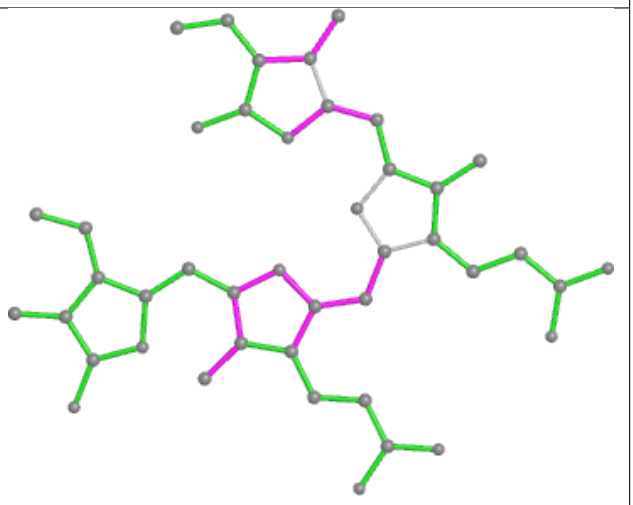

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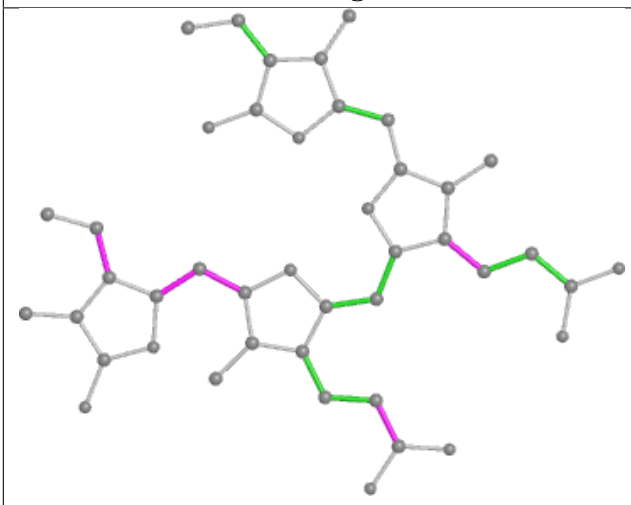

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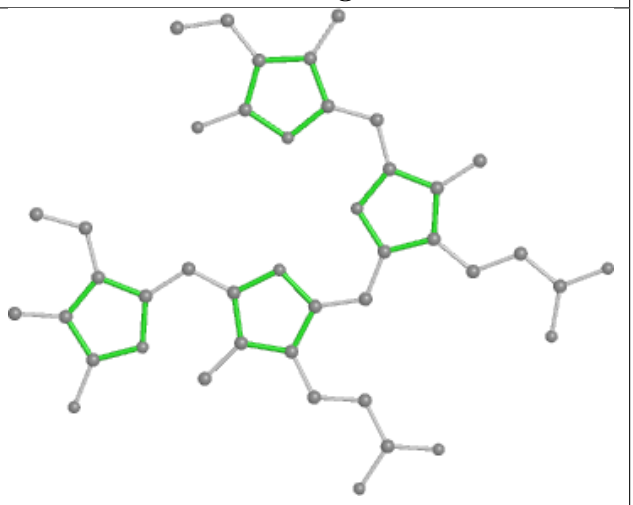

Rings

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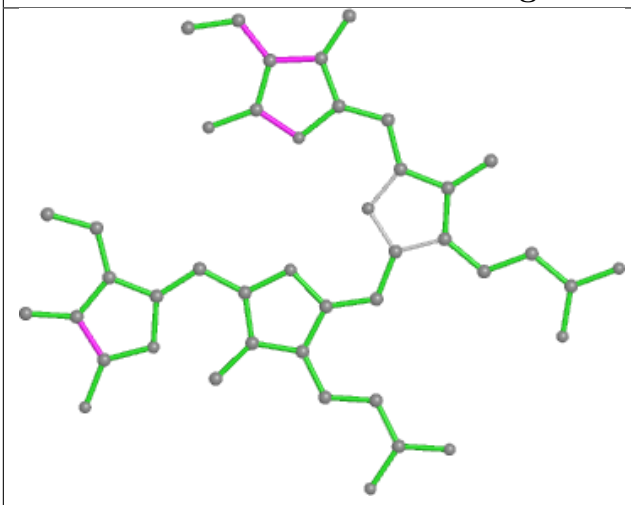

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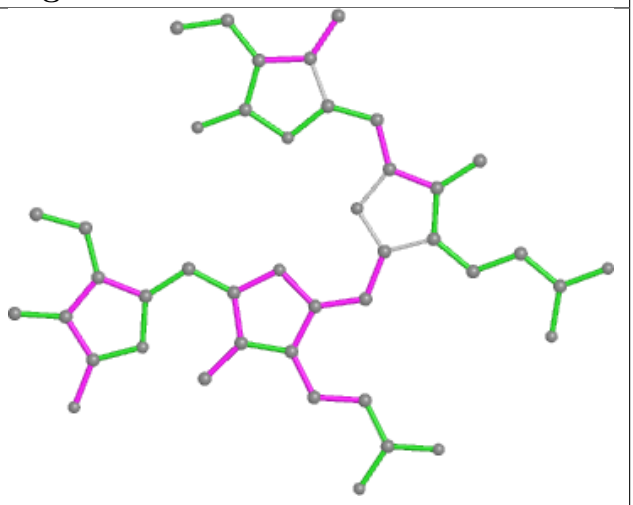
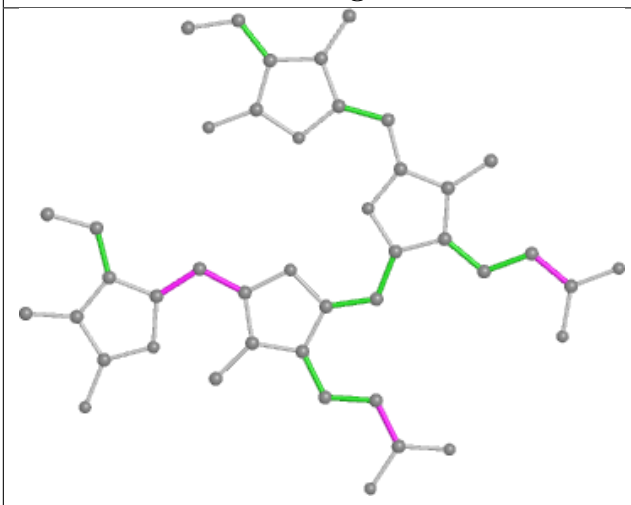
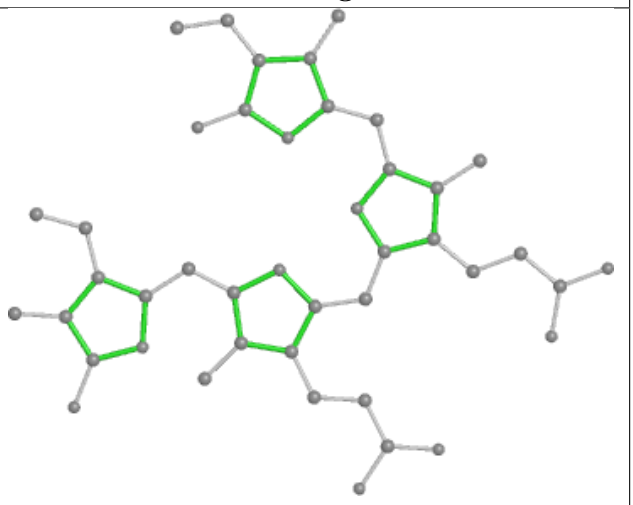


Bond angles

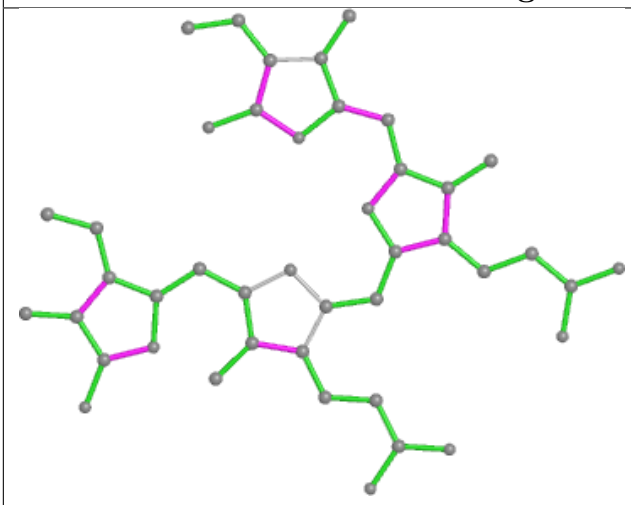


Torsions



Rings

Ligand PUB g8 202



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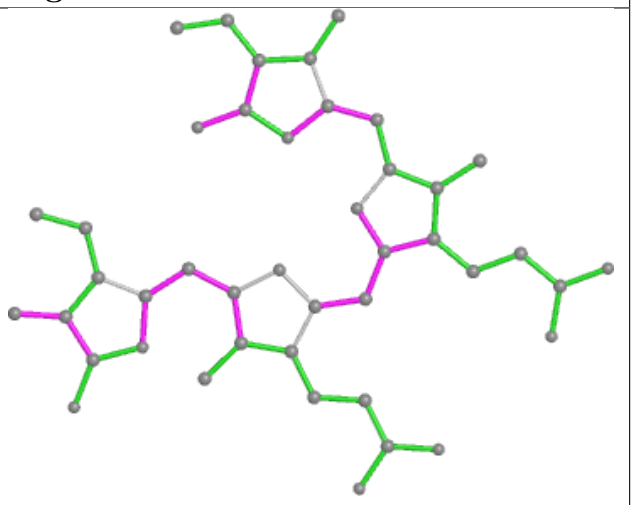

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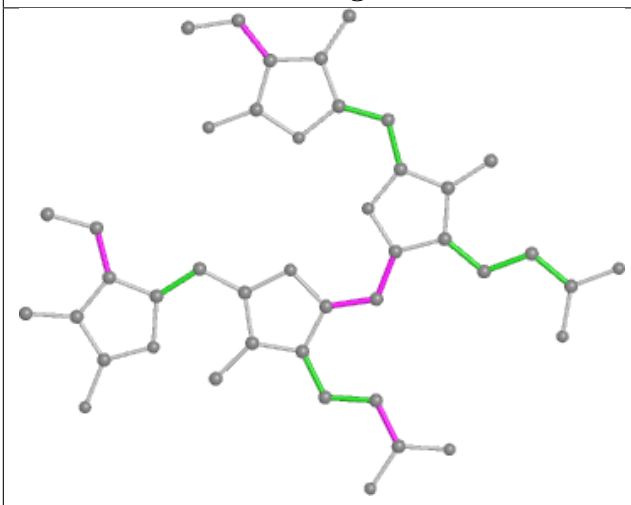

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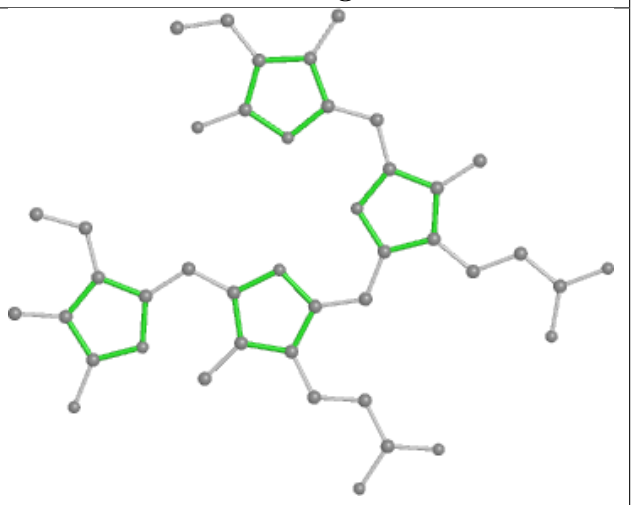
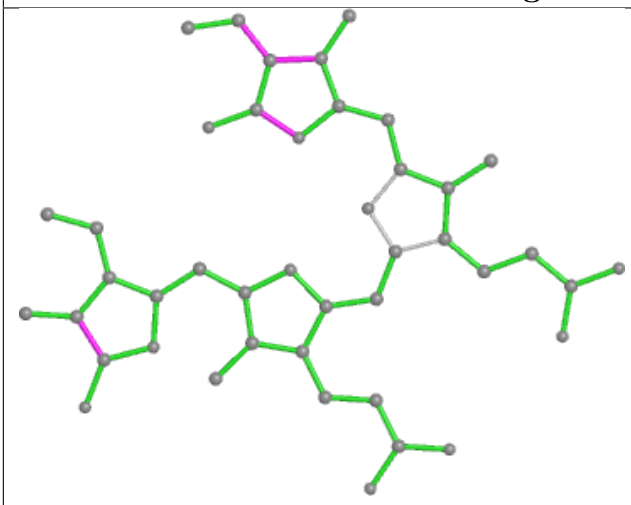


Rings

Ligand PEB eI 202



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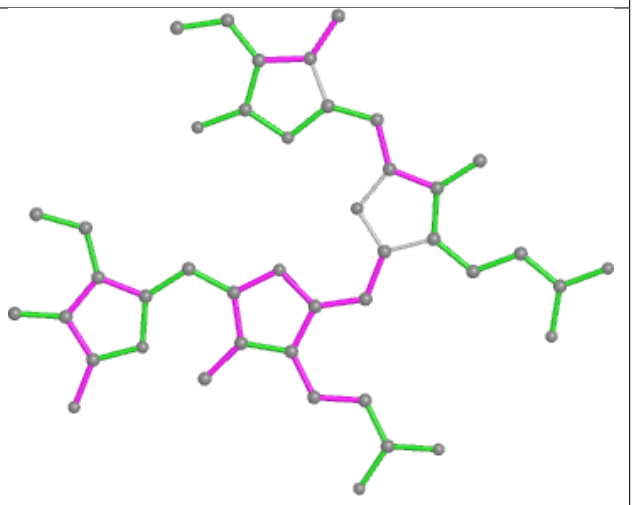

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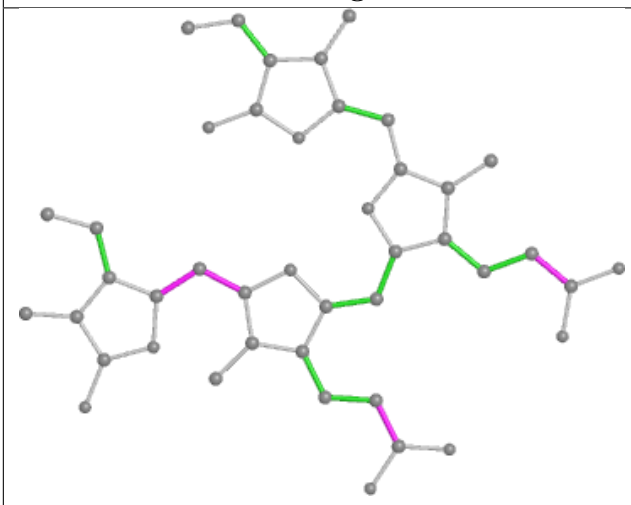

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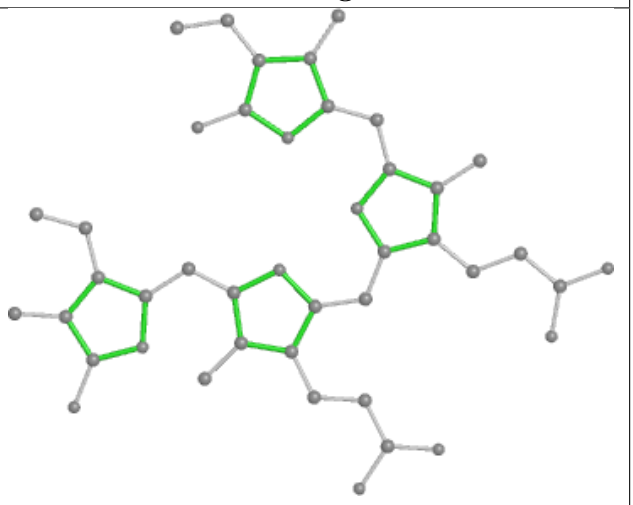

Rings

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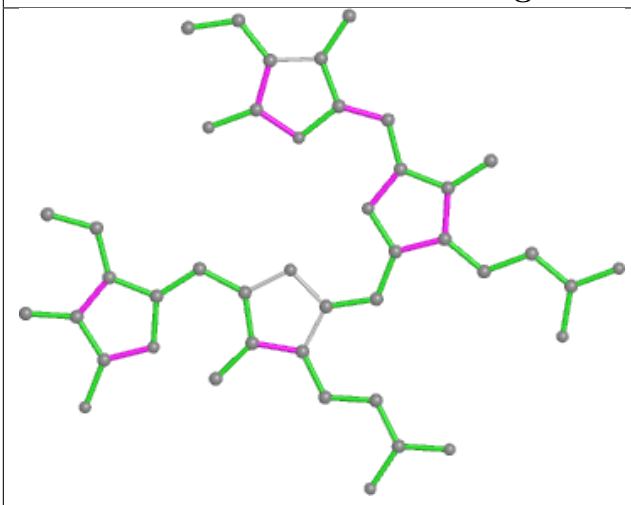

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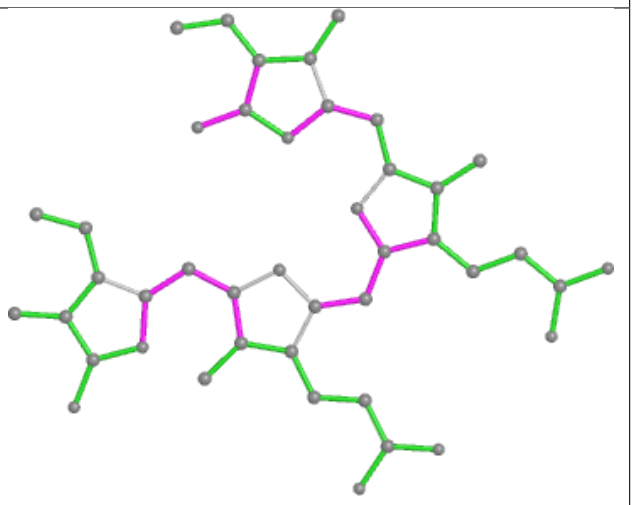

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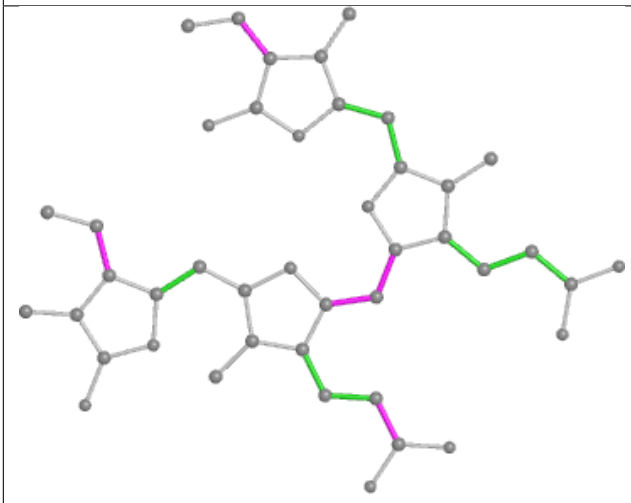

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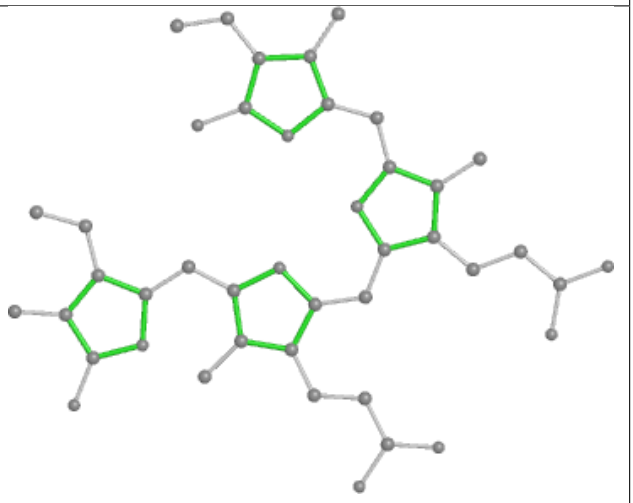
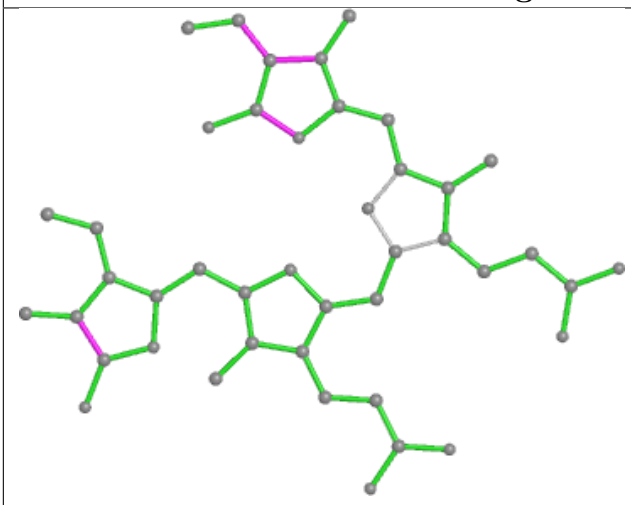


Rings

Ligand PEB R9 201



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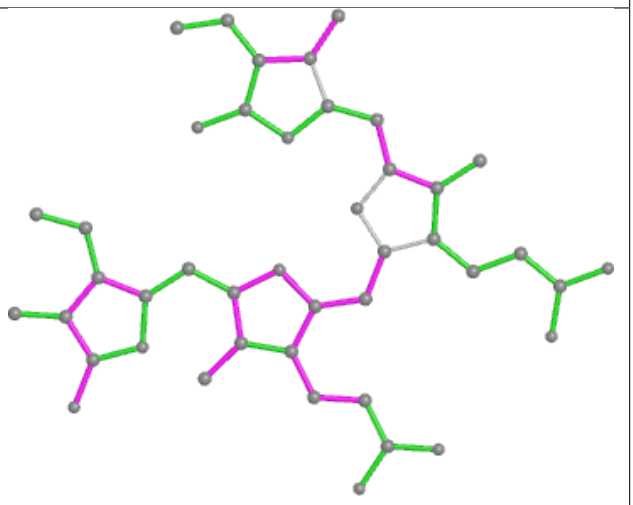

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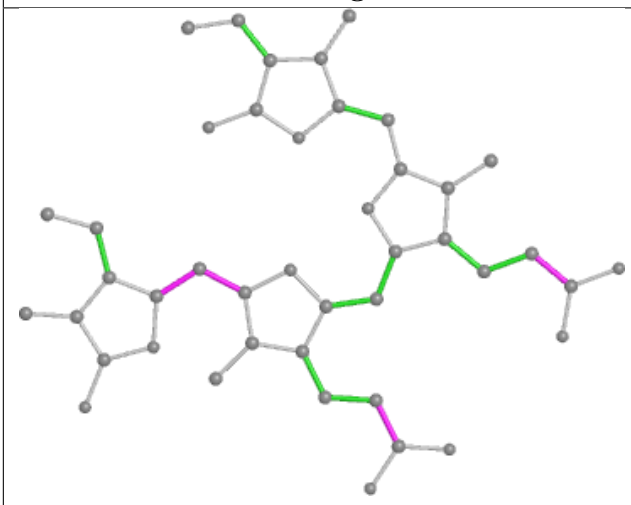

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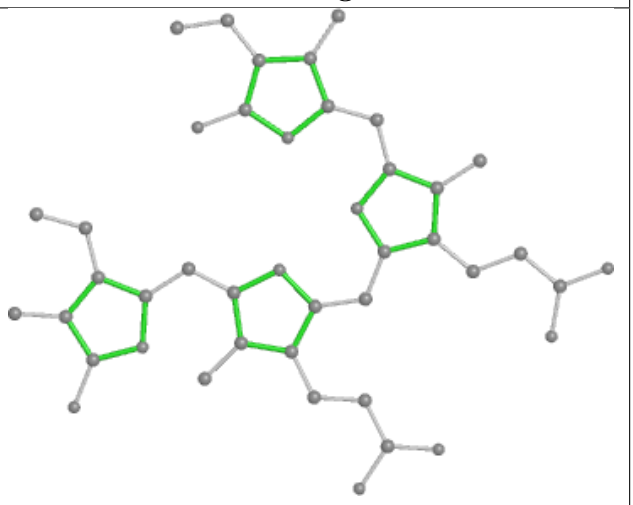
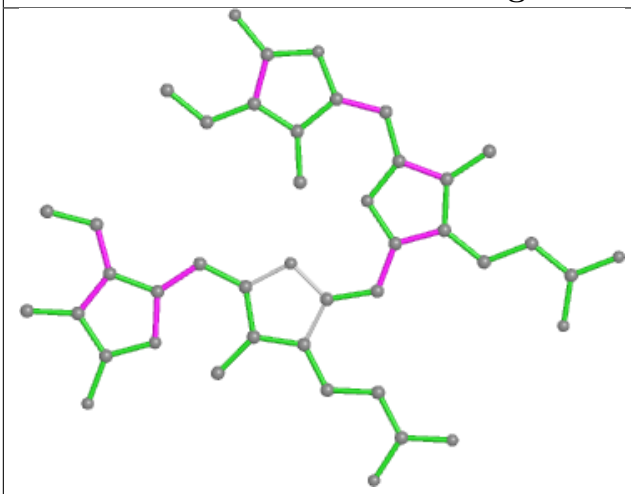


Rings

Ligand PVN ey 1004



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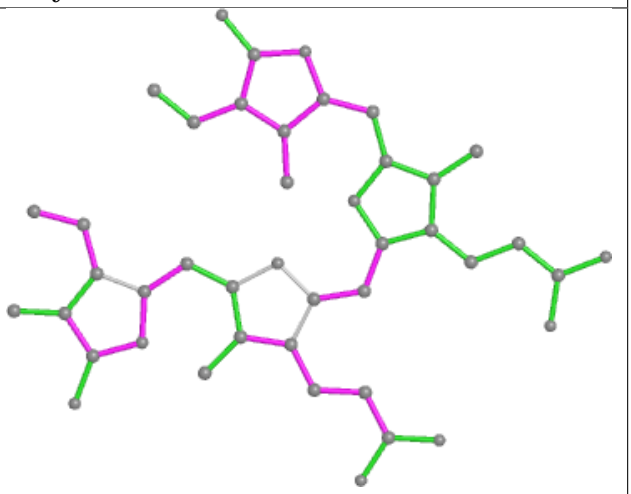

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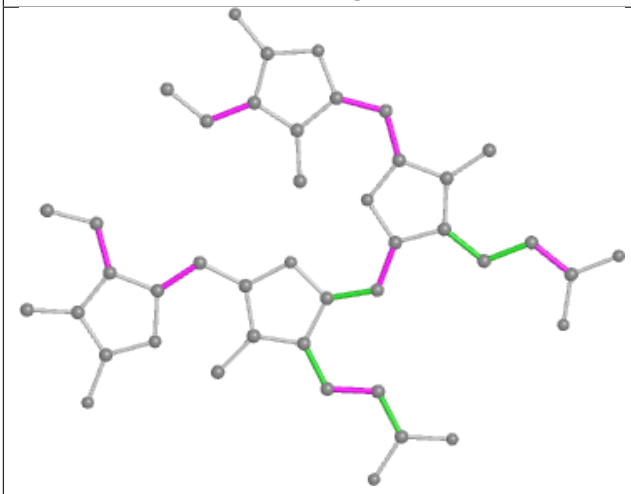

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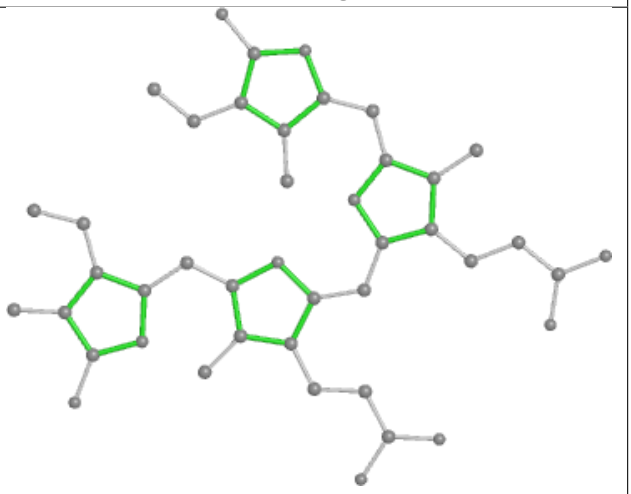

Rings

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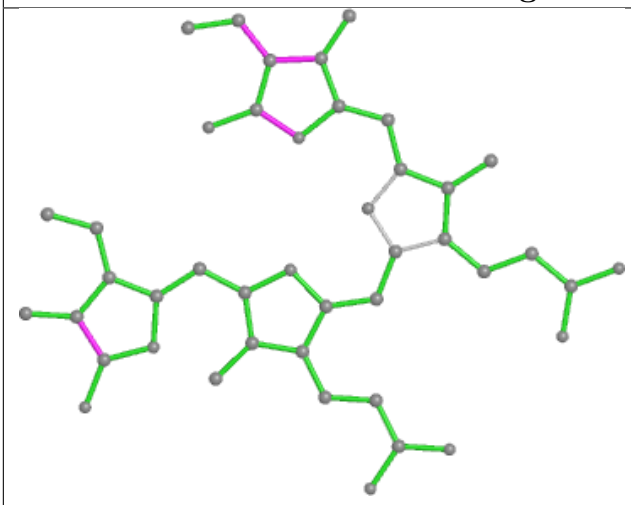

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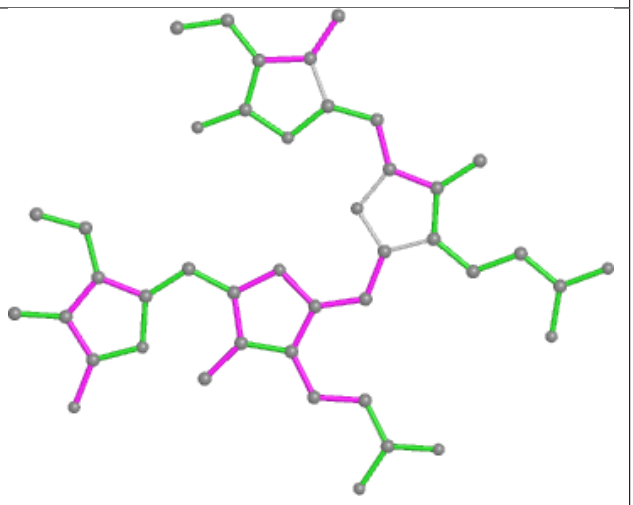

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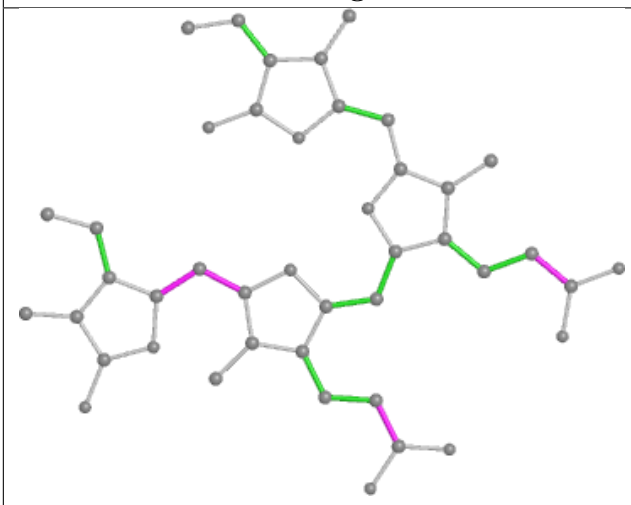

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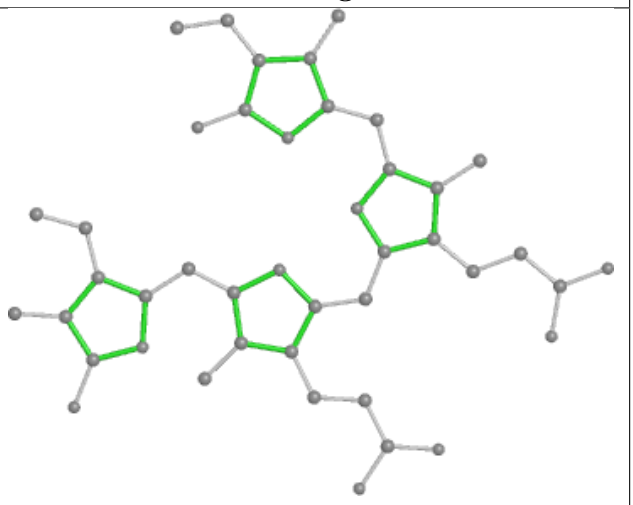

Rings

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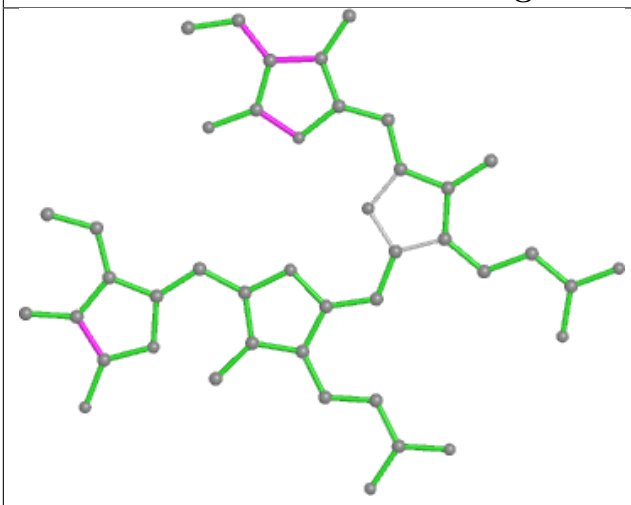

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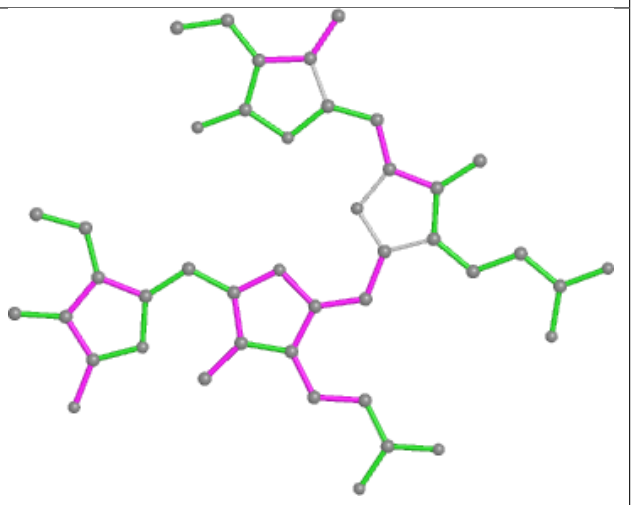

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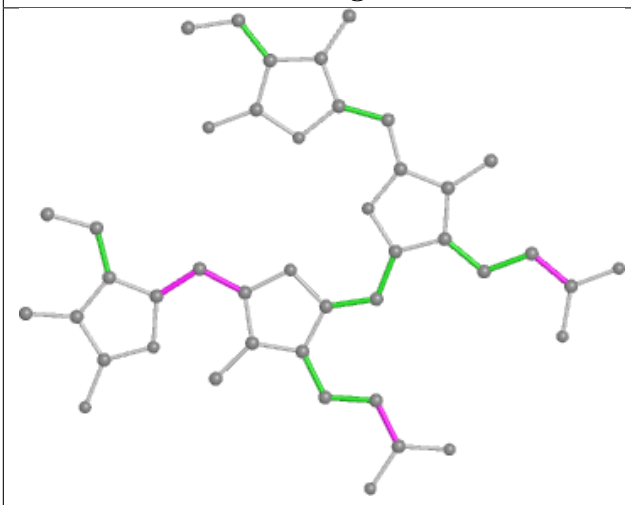

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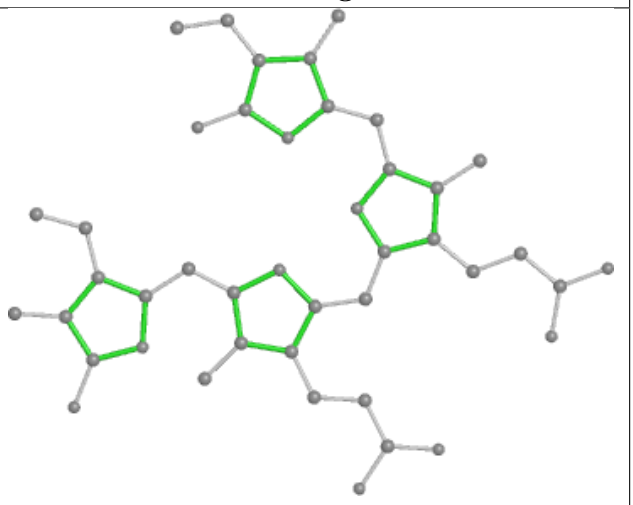
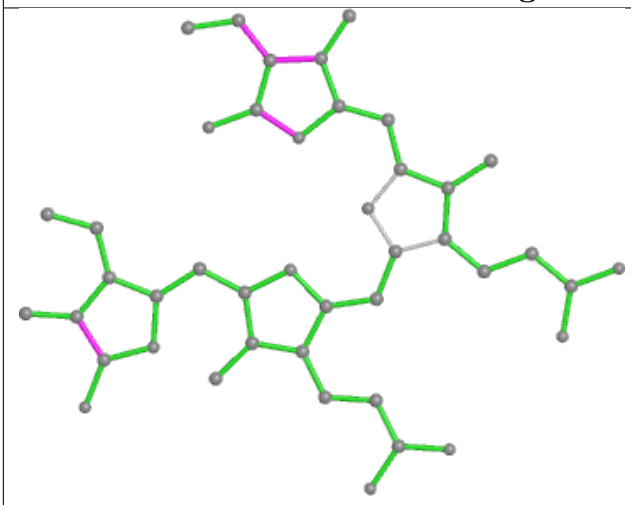


Rings

Ligand PEB gu 201



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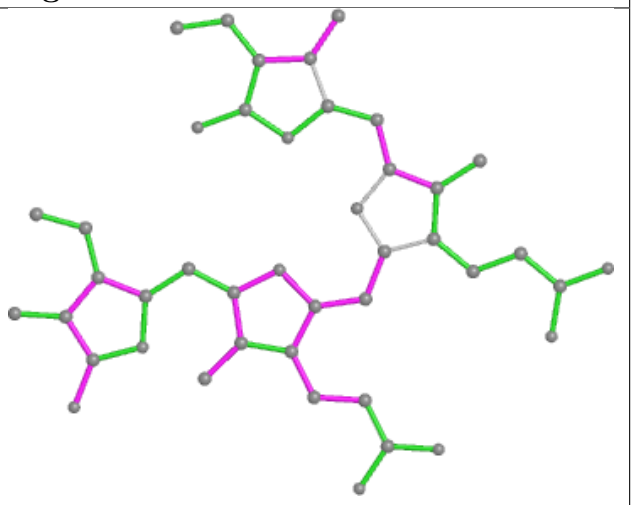

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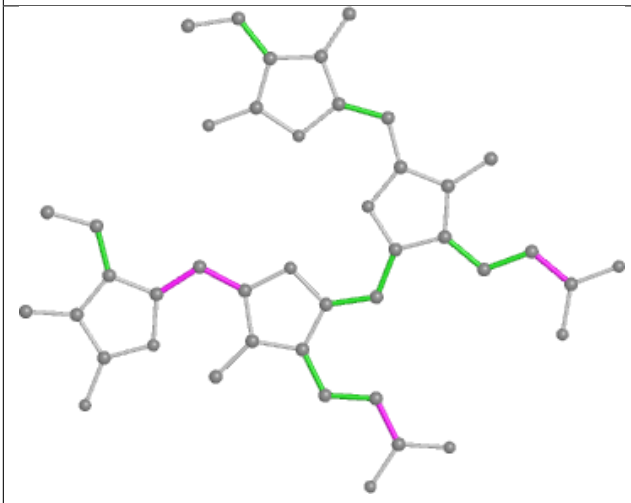

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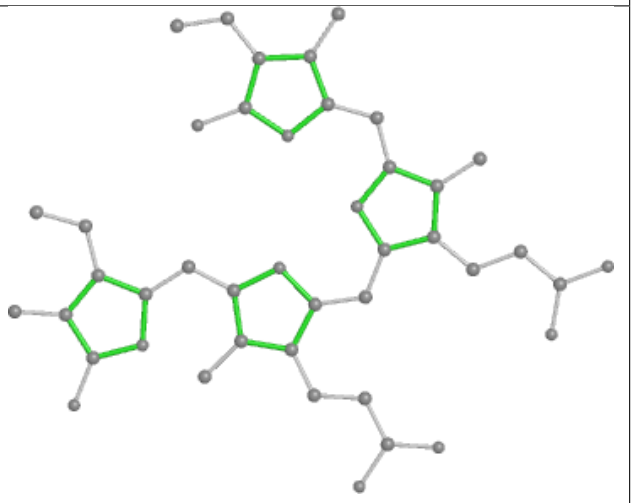

Rings

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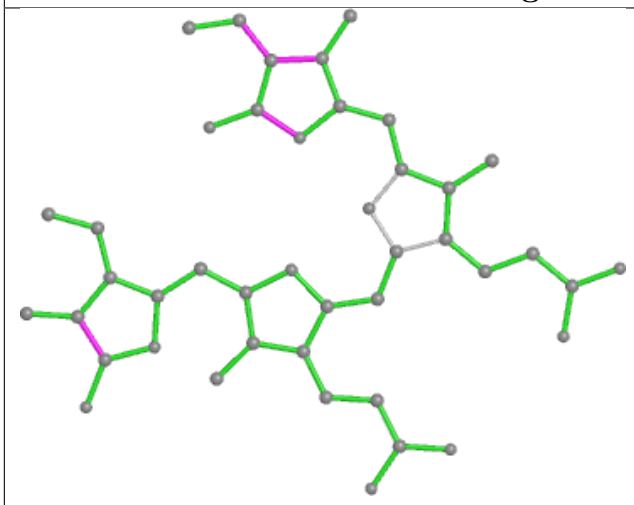

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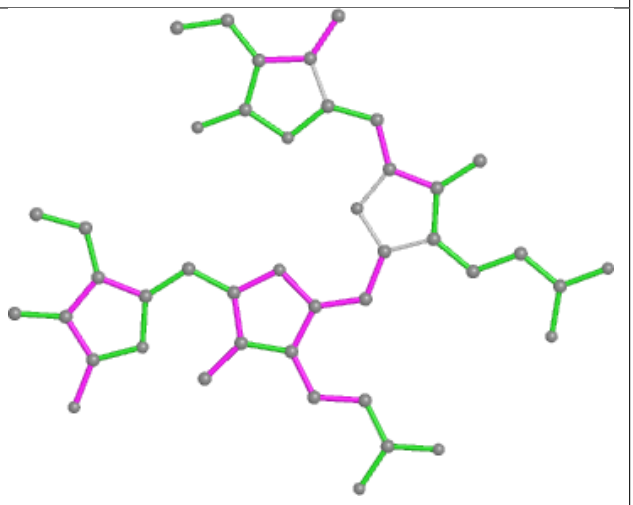

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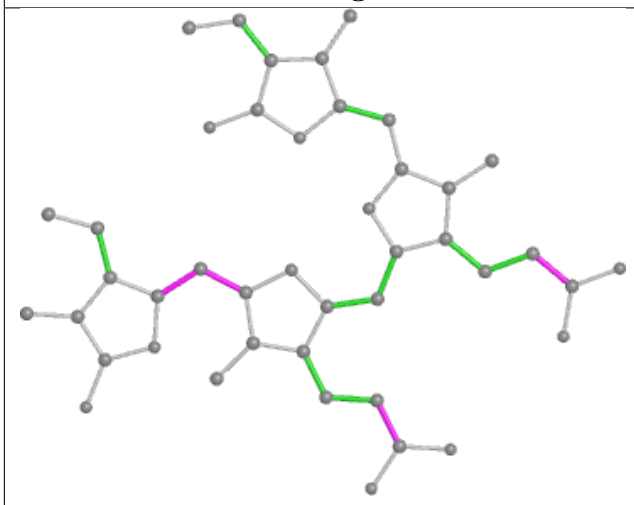

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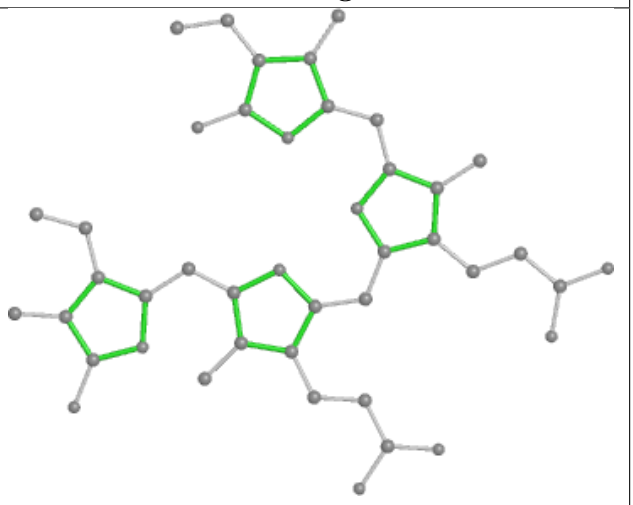

Rings

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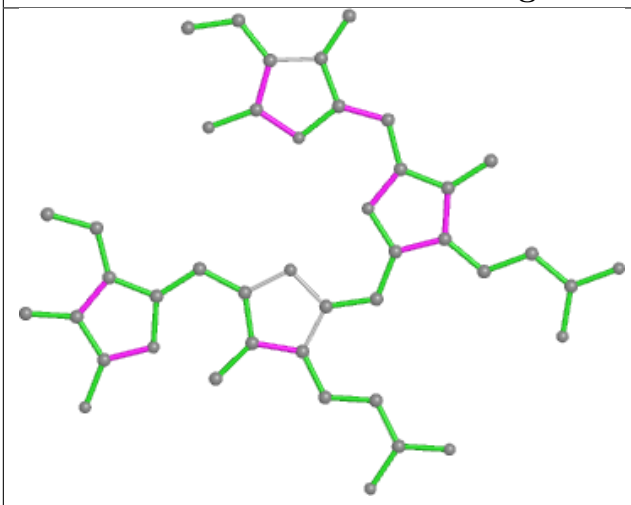

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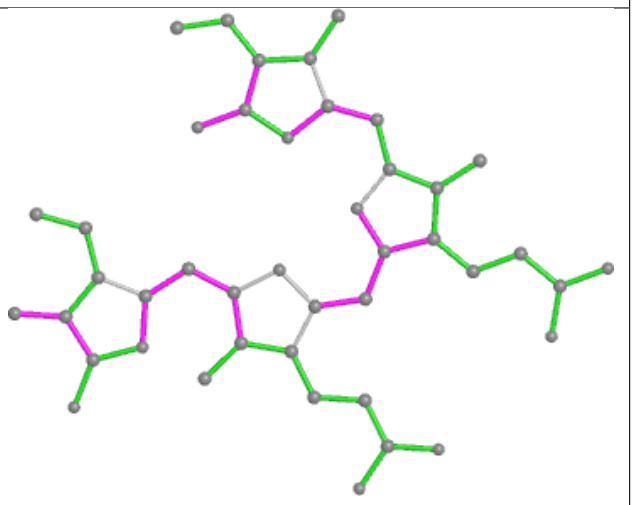

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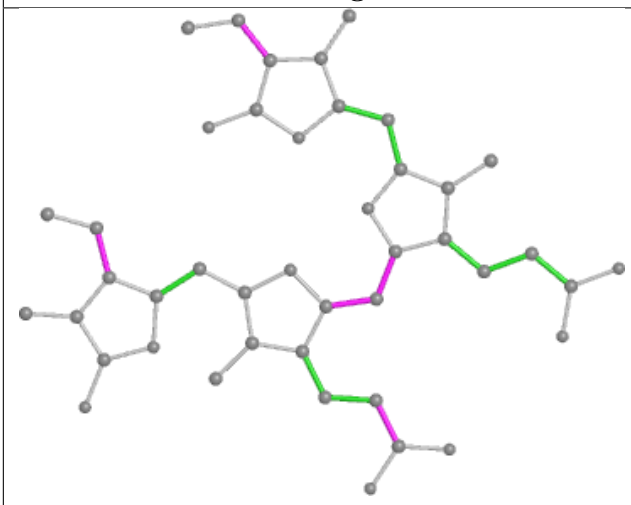

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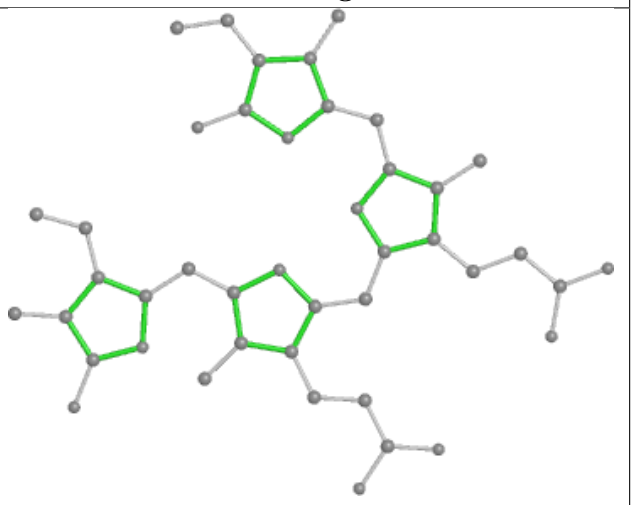

Rings

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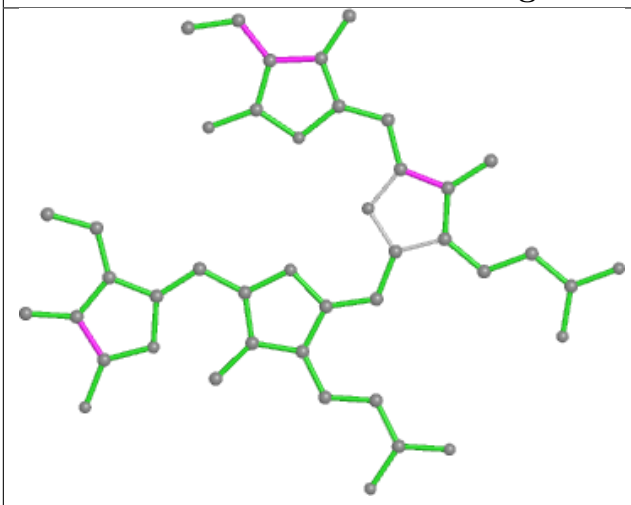

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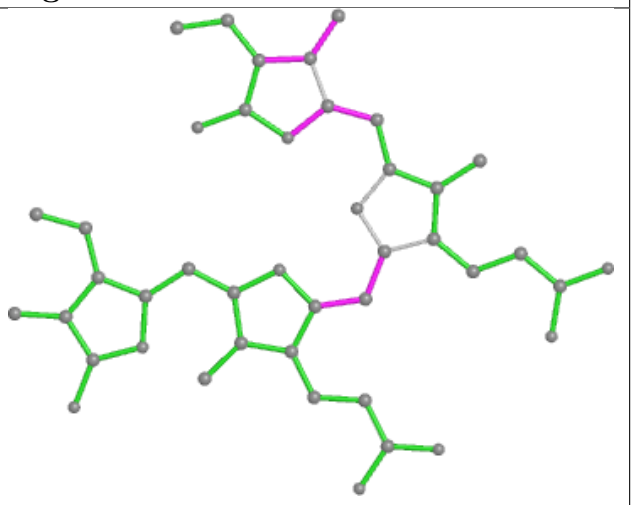

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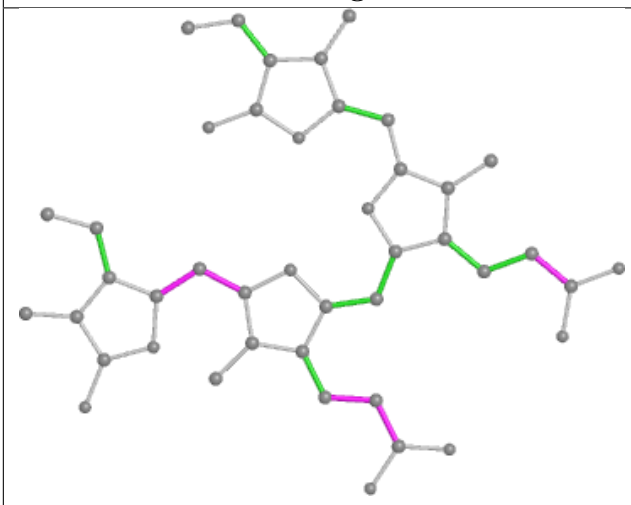

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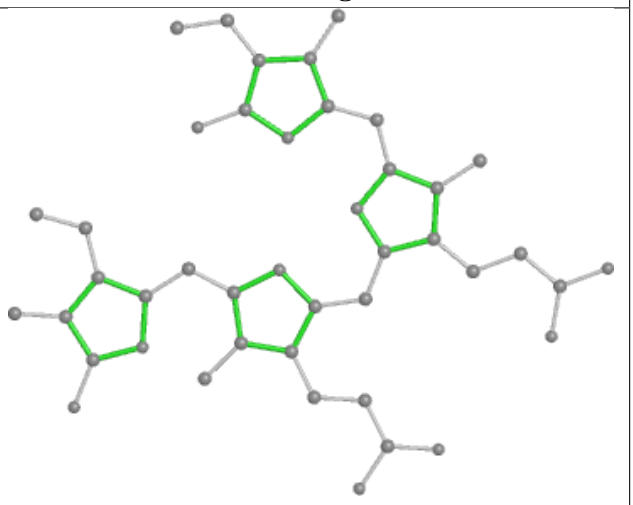

Rings

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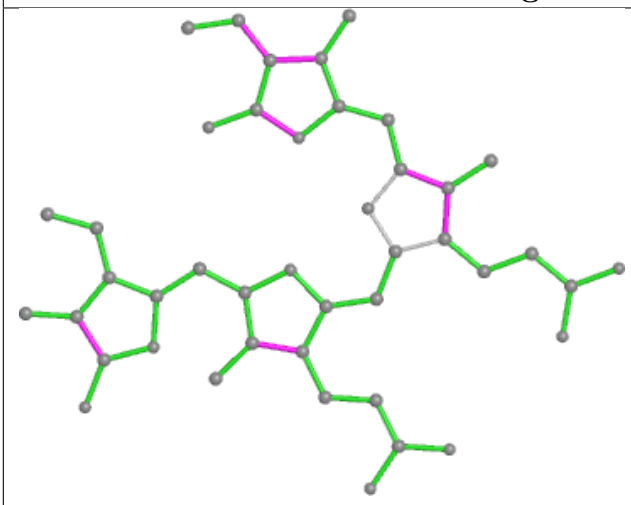

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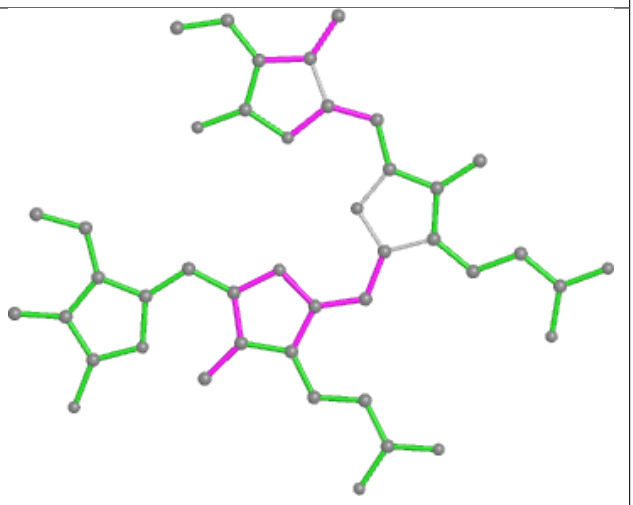

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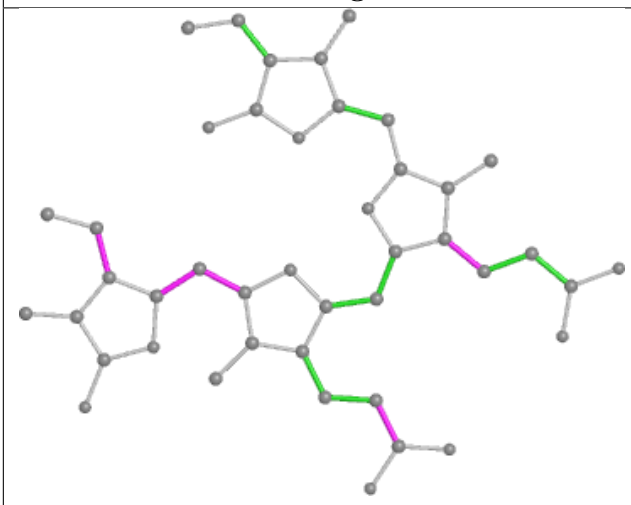

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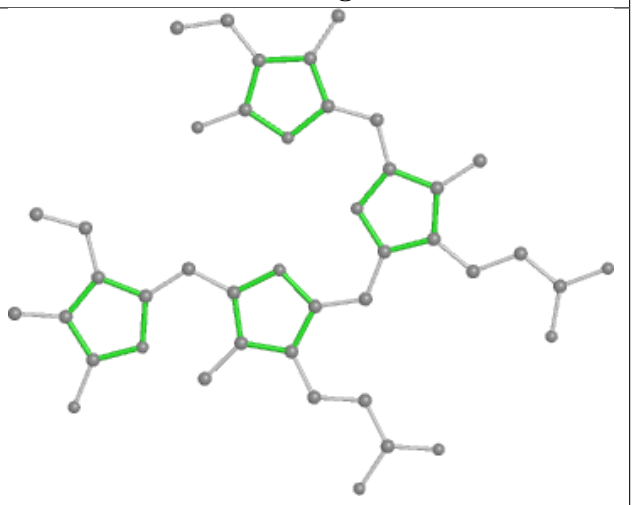
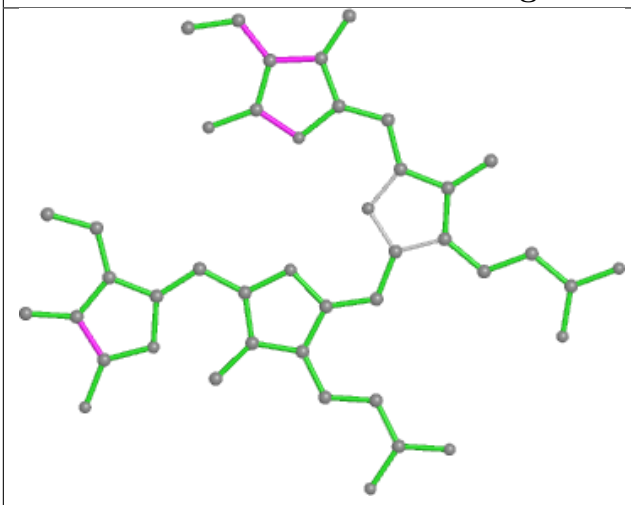


Rings

Ligand PEB o7 201



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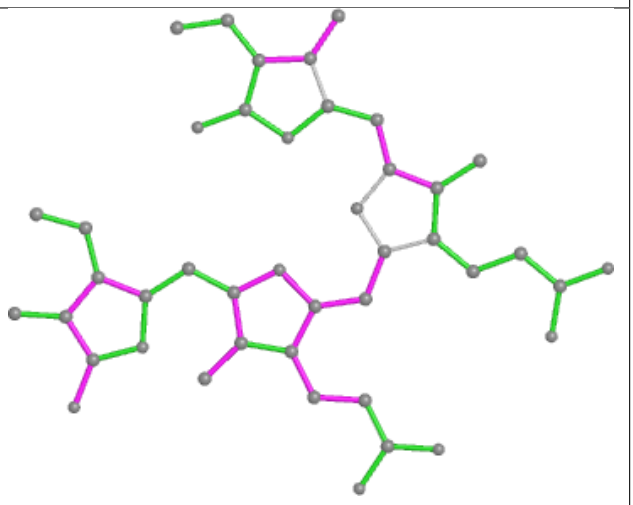

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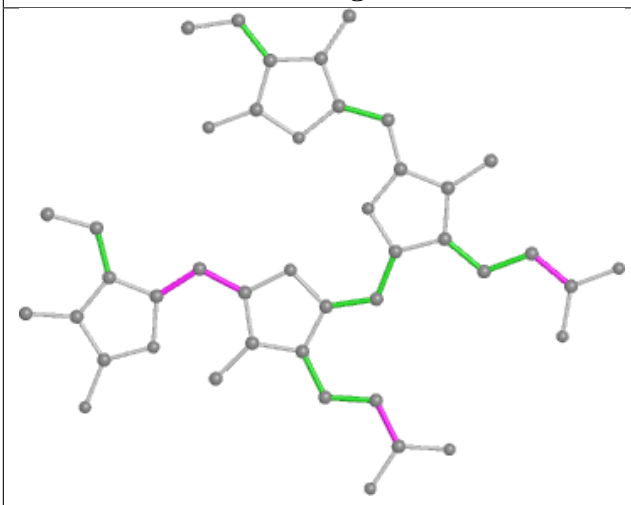
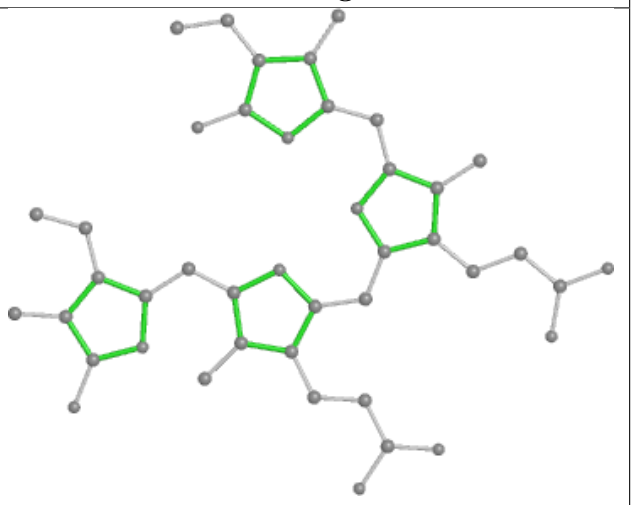
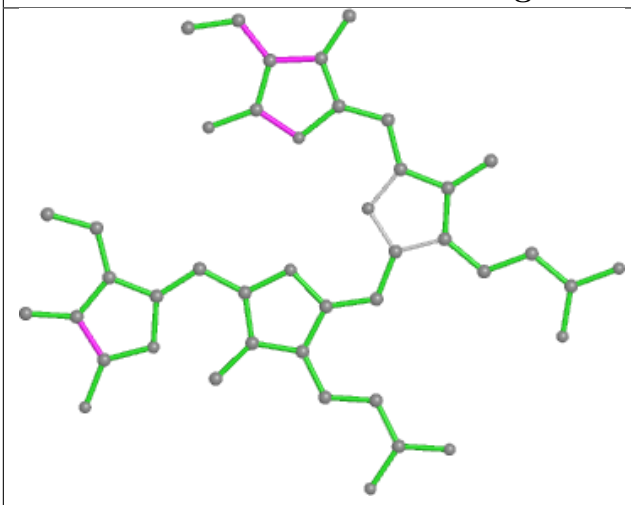


Torsions



Rings

Ligand PEB dR 202



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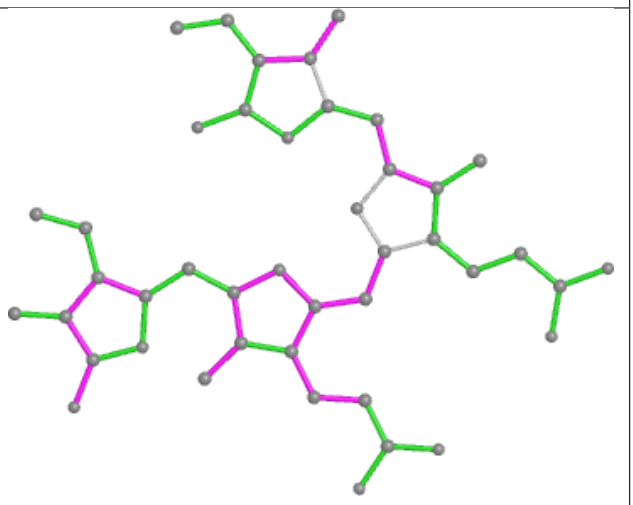
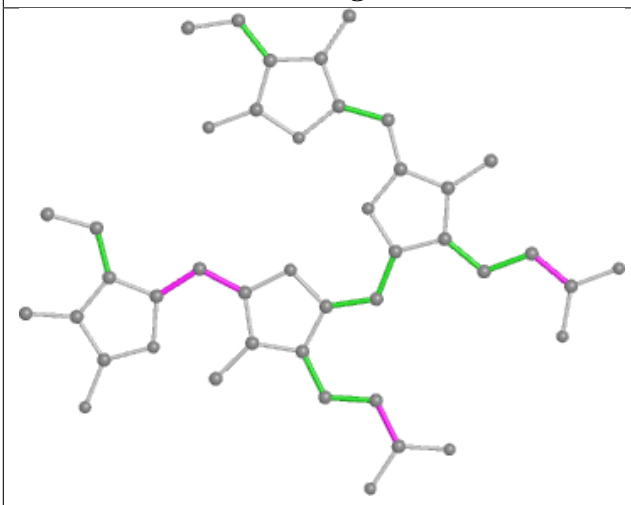


Bond angles



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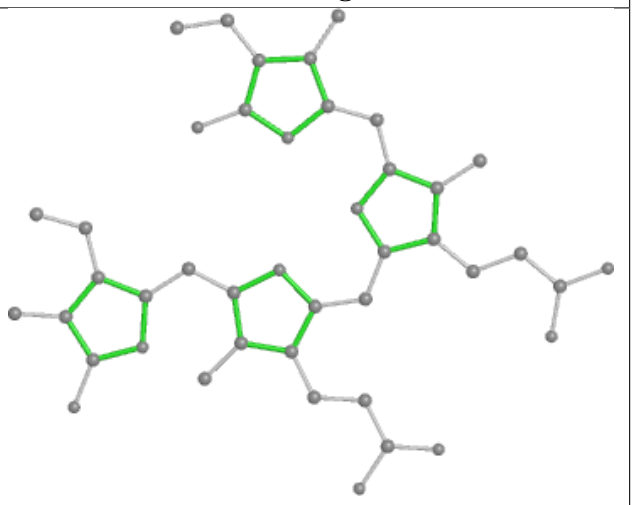
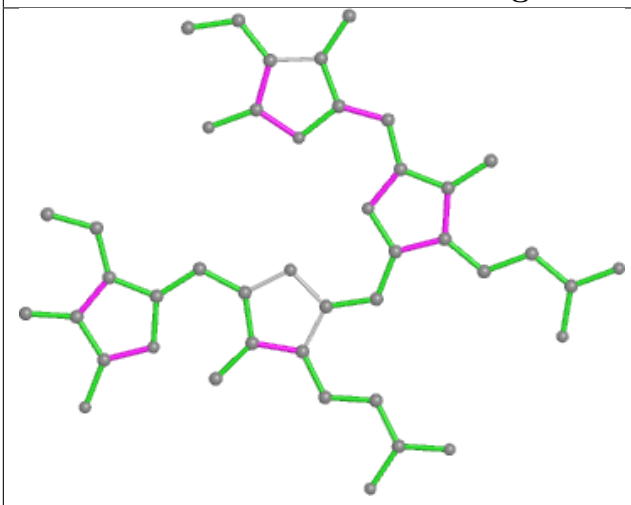


Rings

Ligand PUB hN 203



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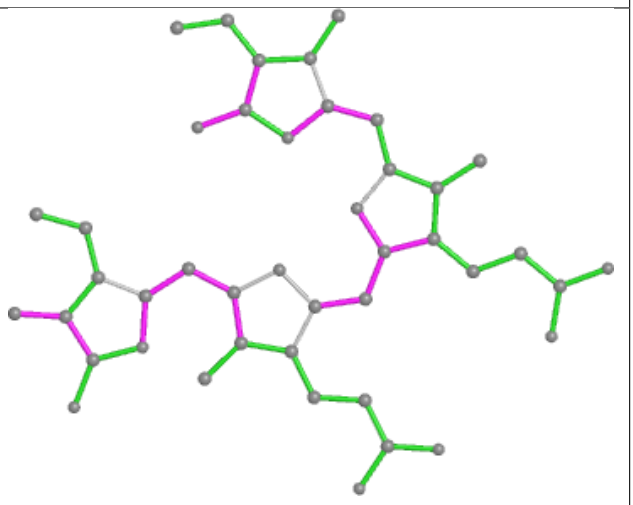

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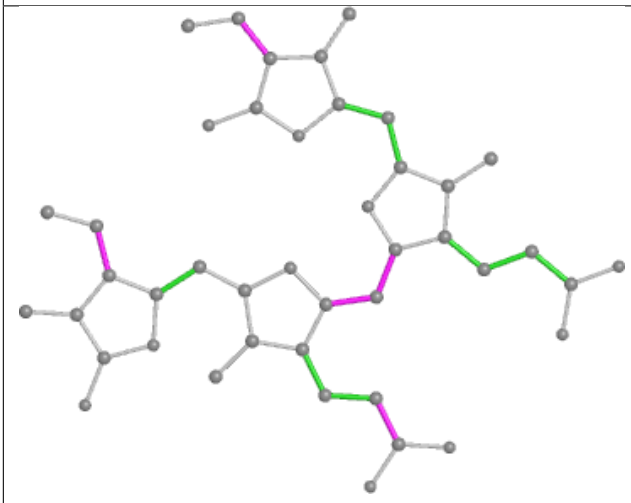

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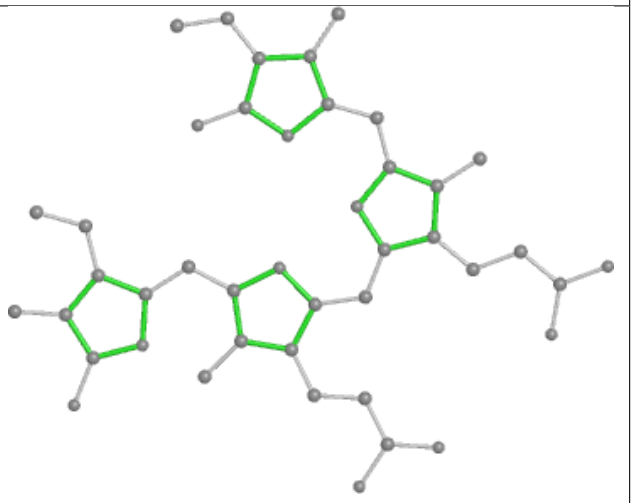
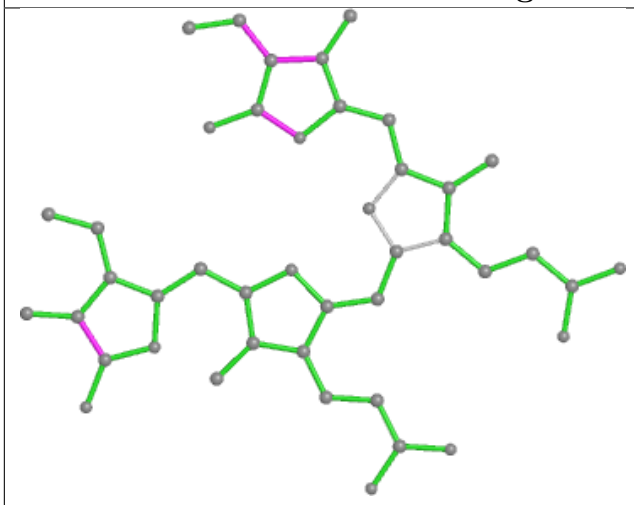


Rings

Ligand PEB A9 201



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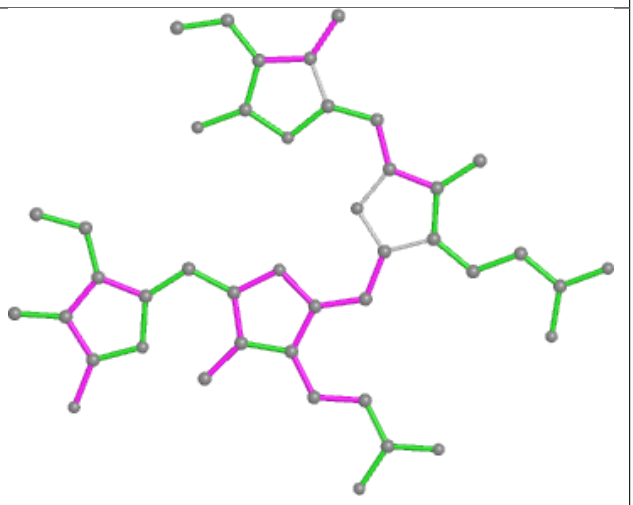
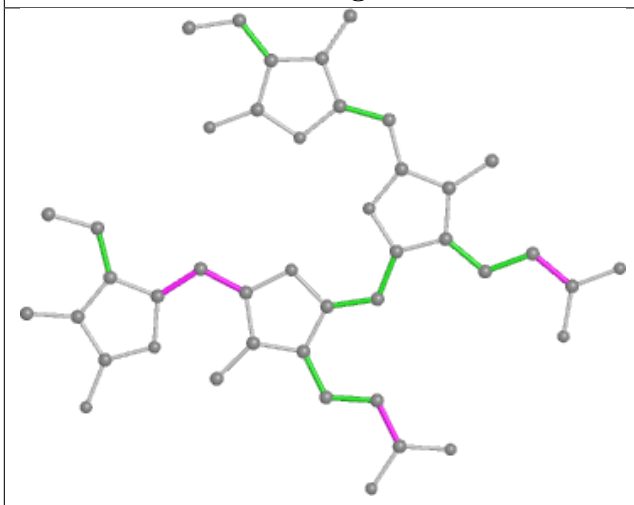


Bond angles



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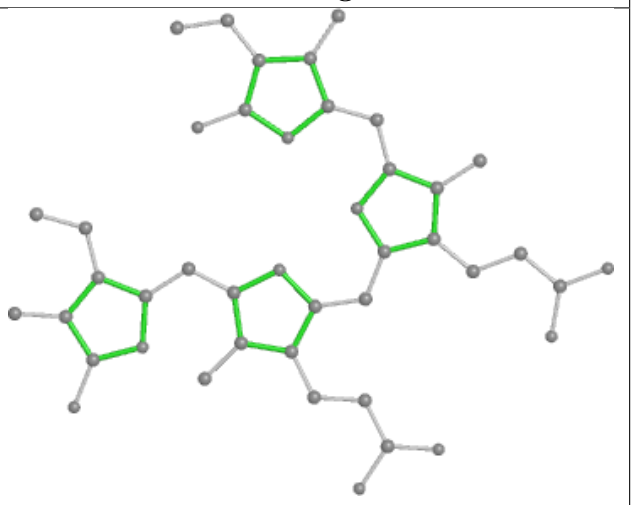
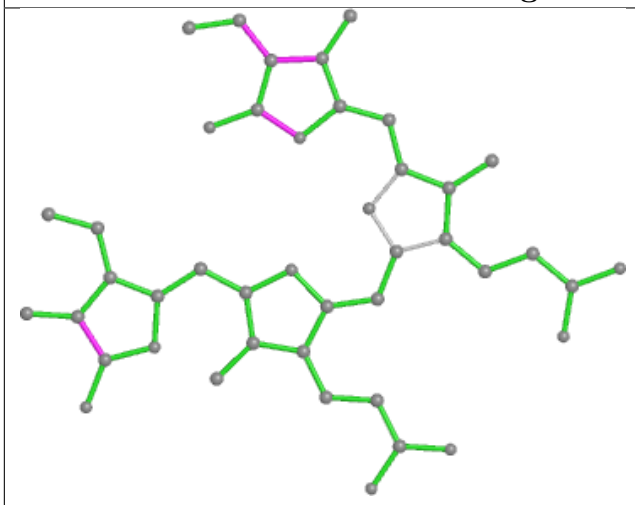


Rings

Ligand PEB q2 201



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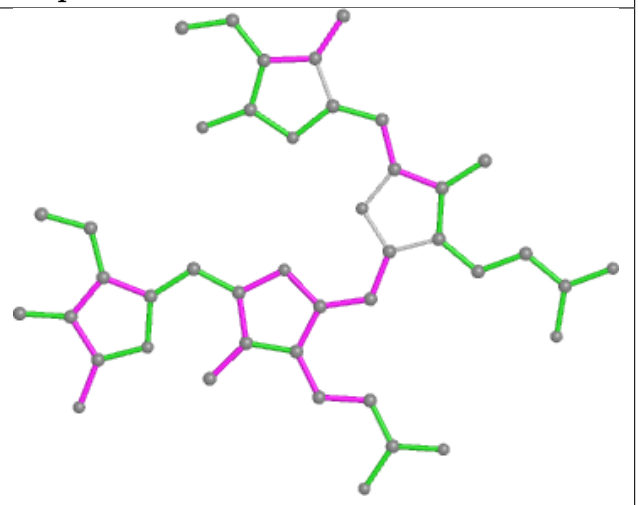

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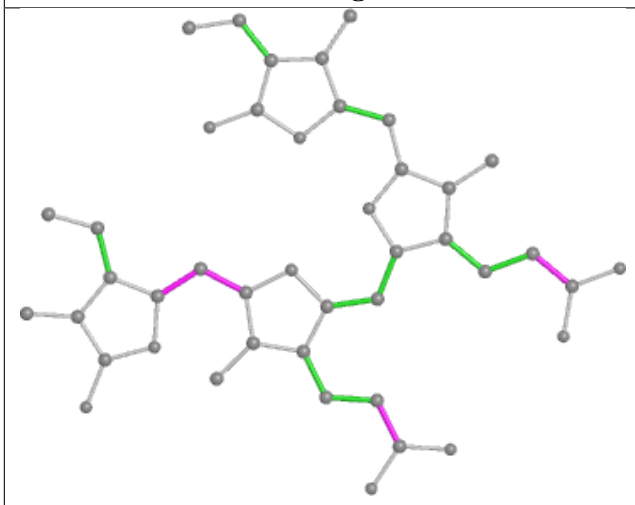

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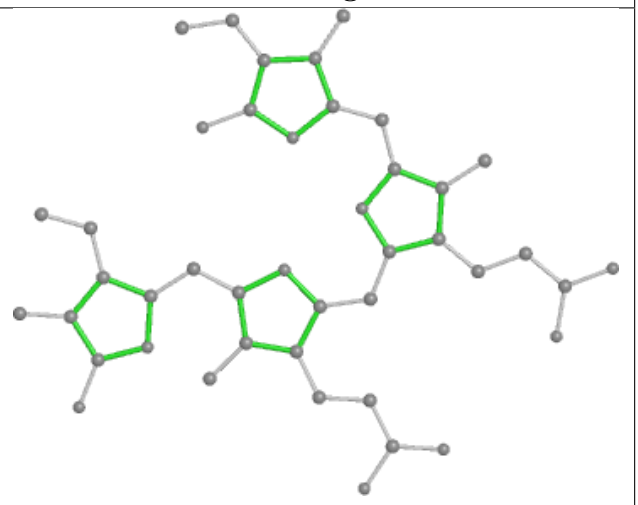
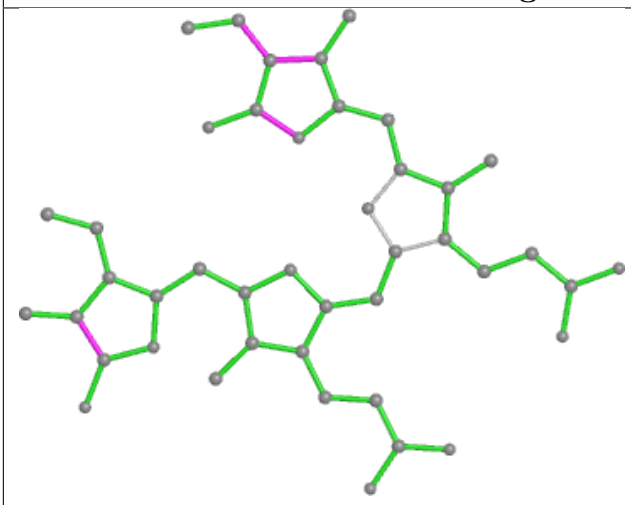


Rings

Ligand PEB k8 201



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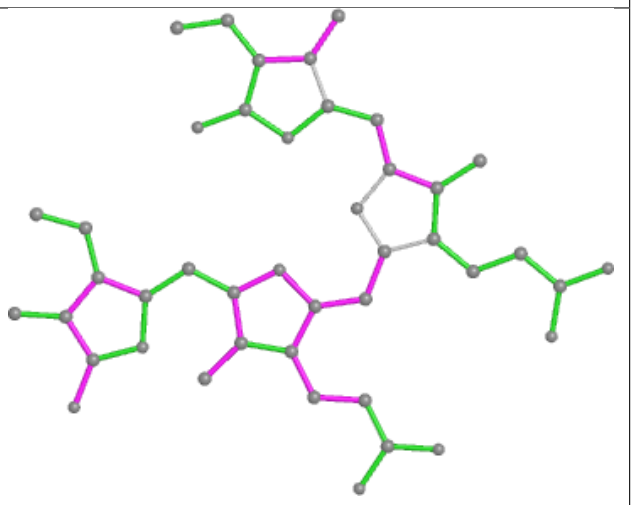

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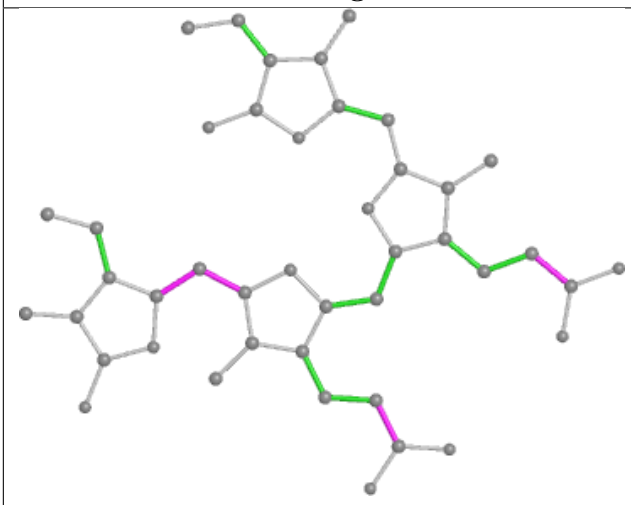

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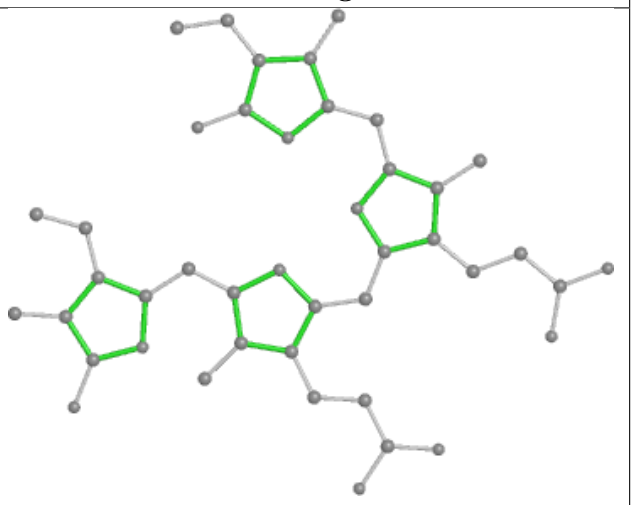
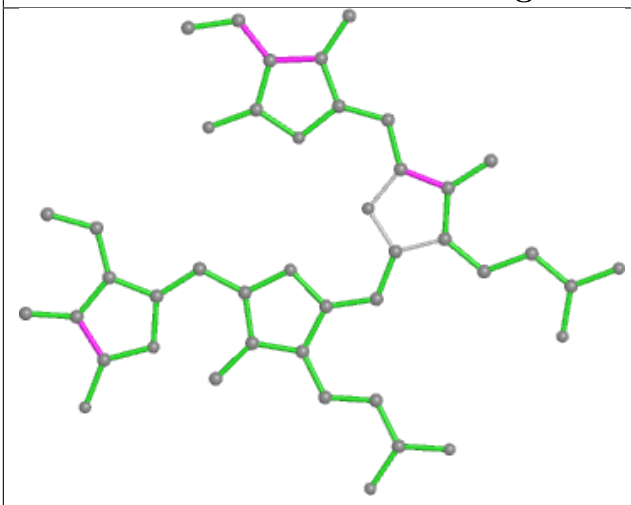


Rings

Ligand PEB Y9 301



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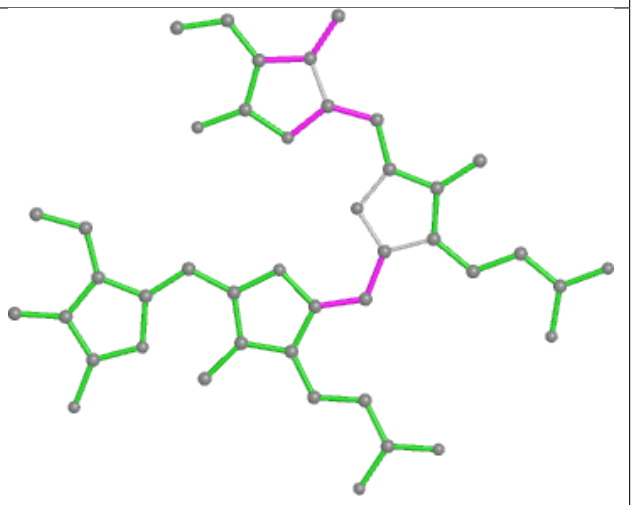

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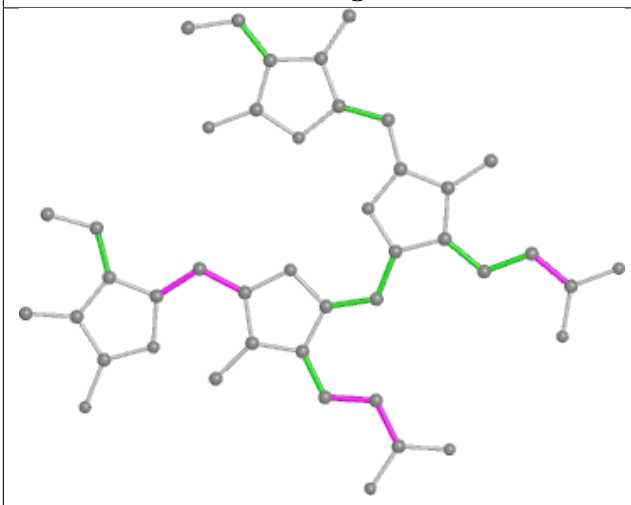

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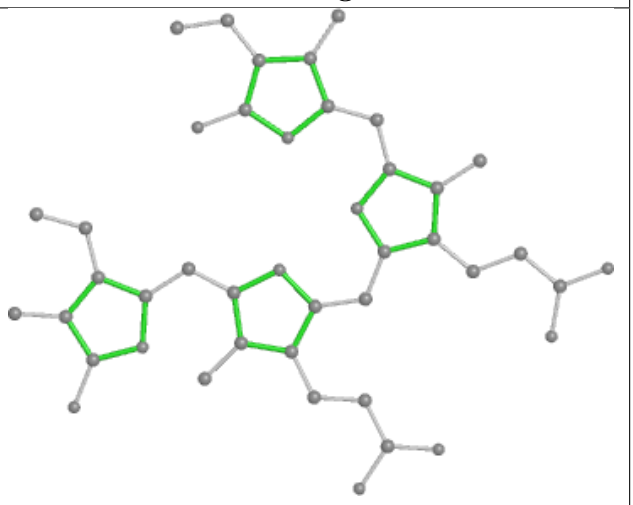
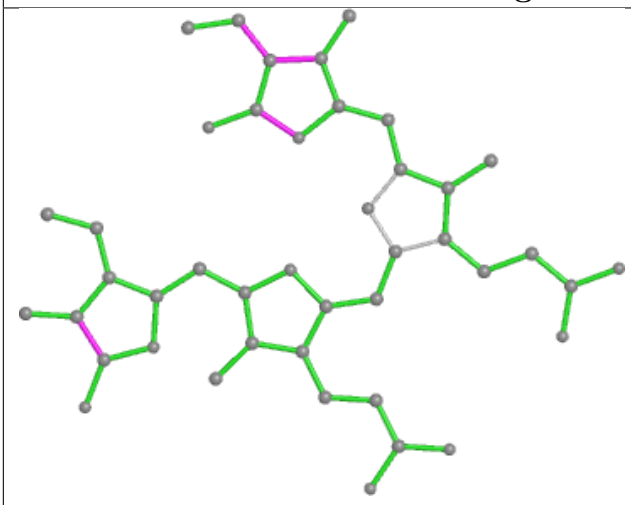


Rings

Ligand PEB G4 202



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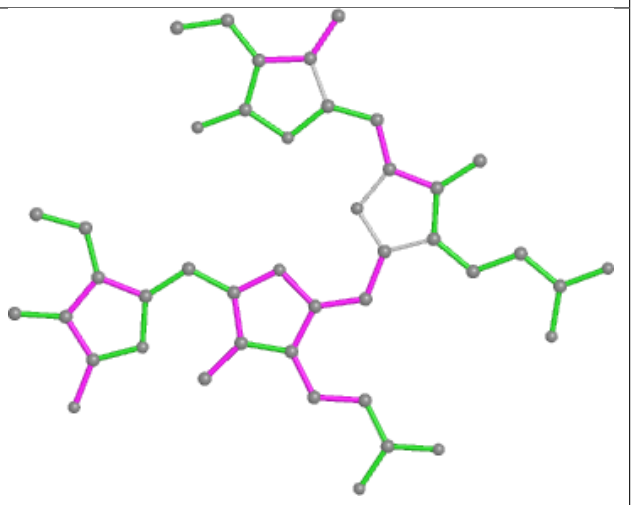

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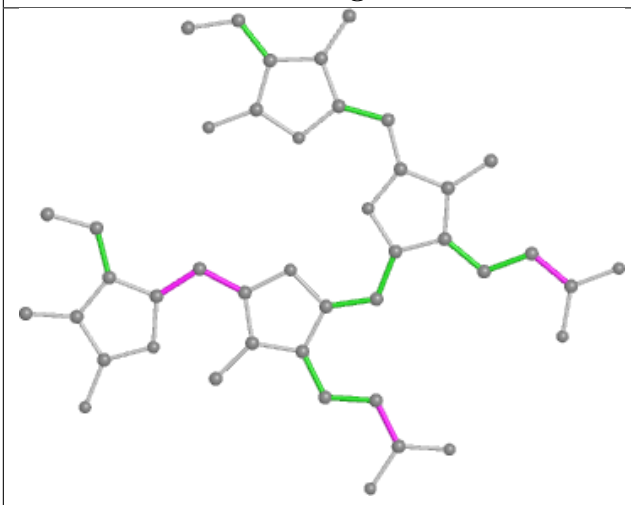

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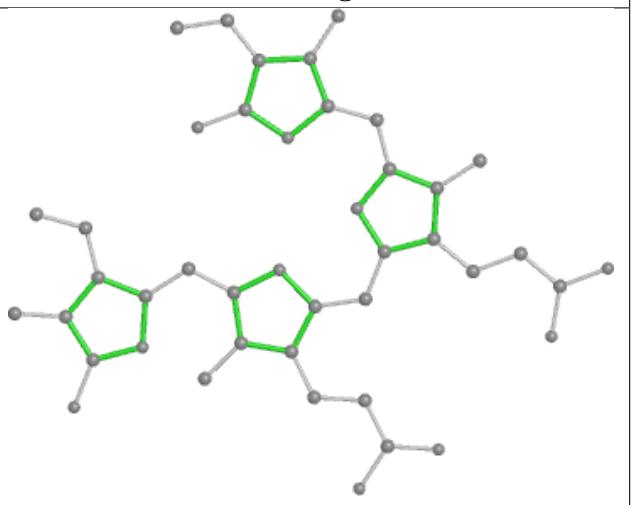
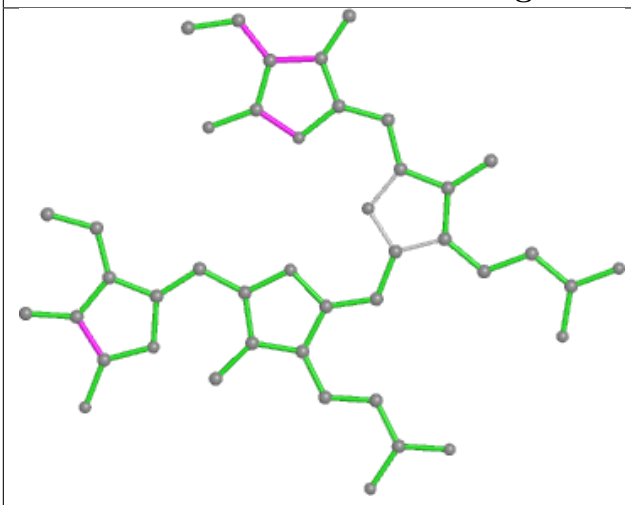


Rings

Ligand PEB D2 302



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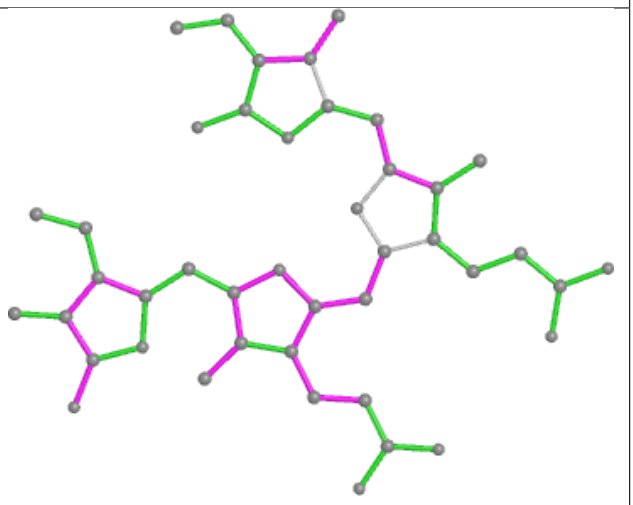

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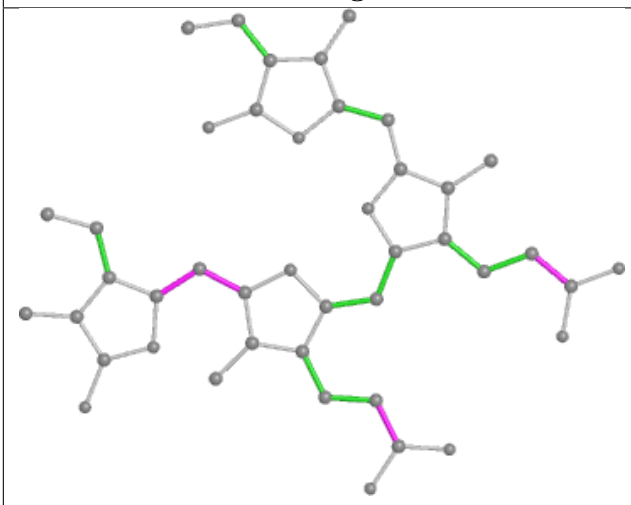

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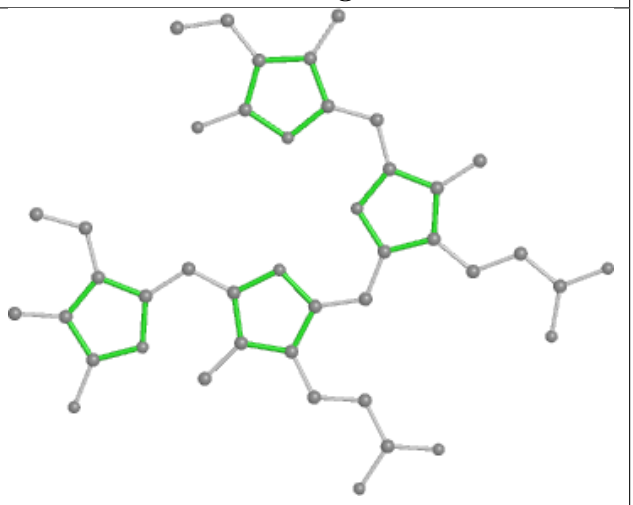
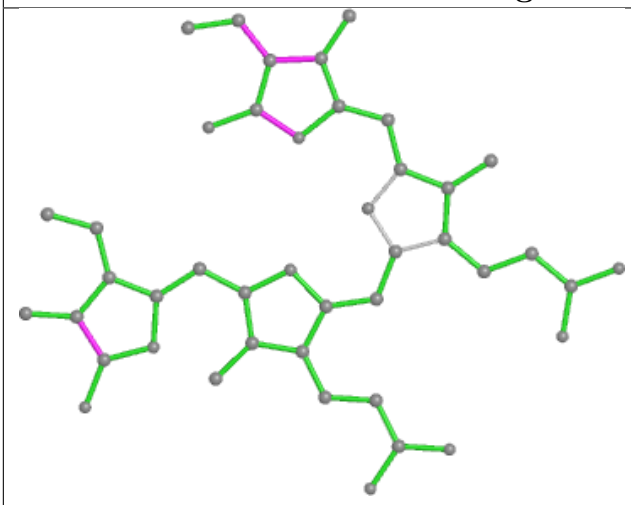


Rings

Ligand PEB w2 201



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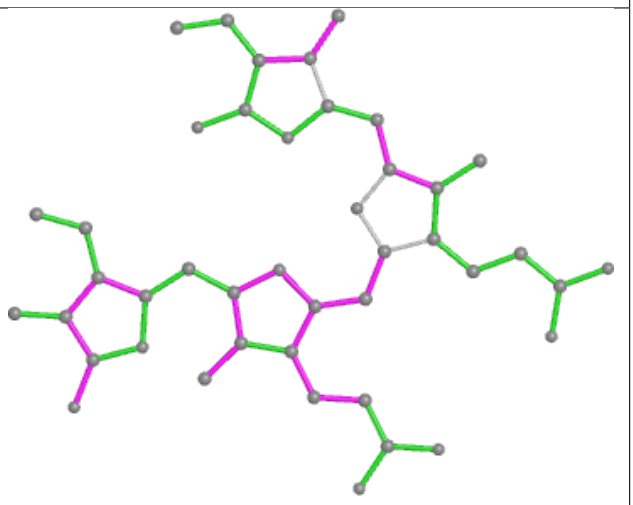

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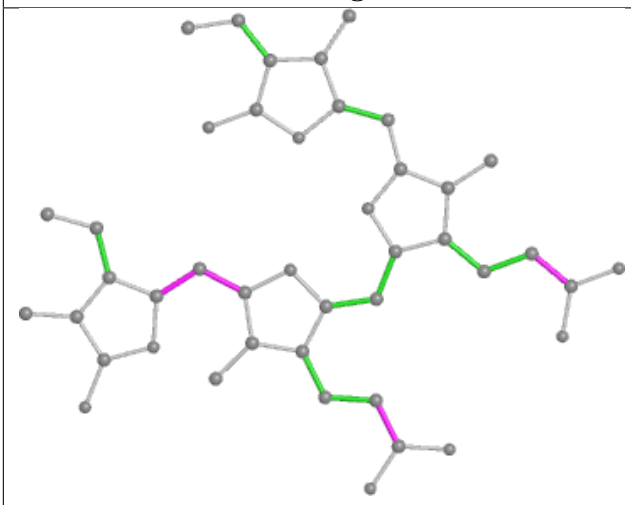

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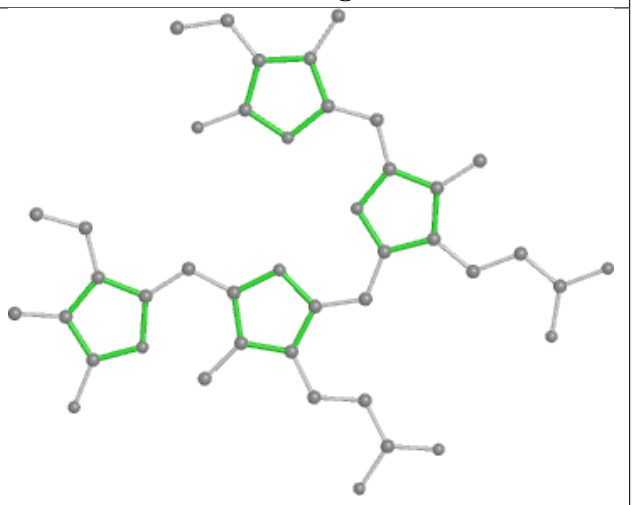
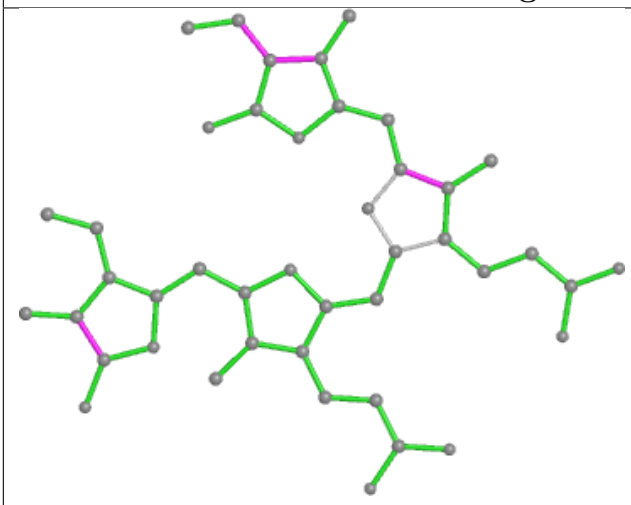


Rings

Ligand PEB gq 202



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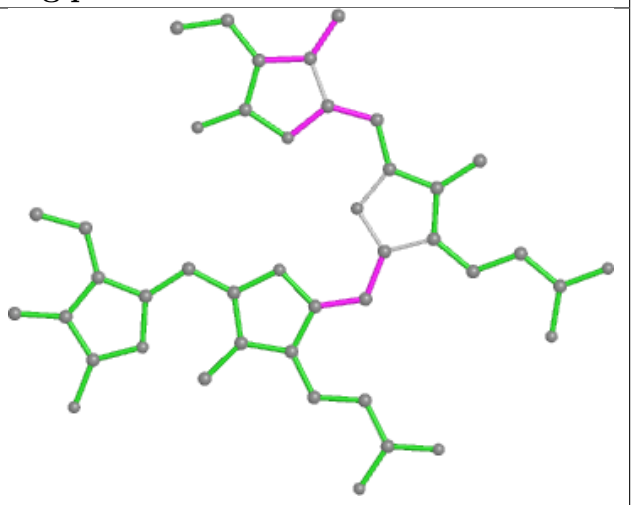

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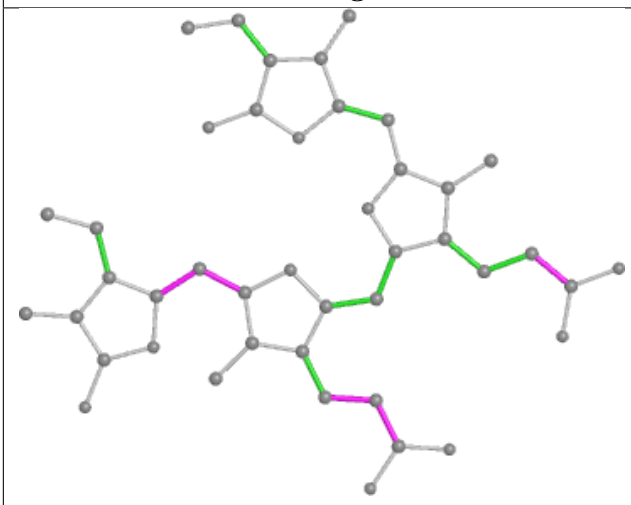

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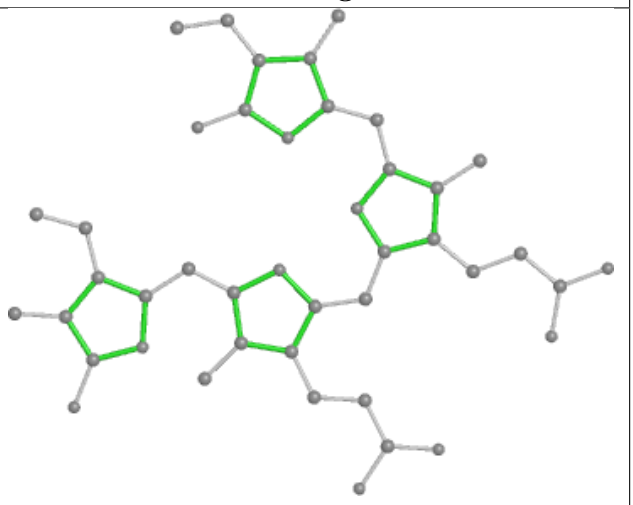
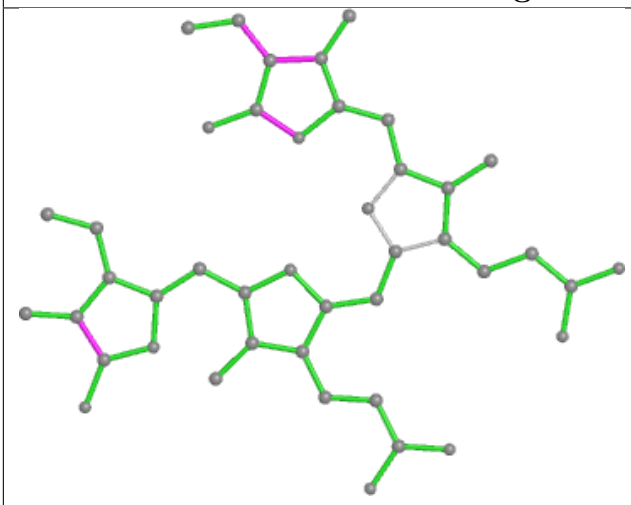


Rings

Ligand PEB bN 201



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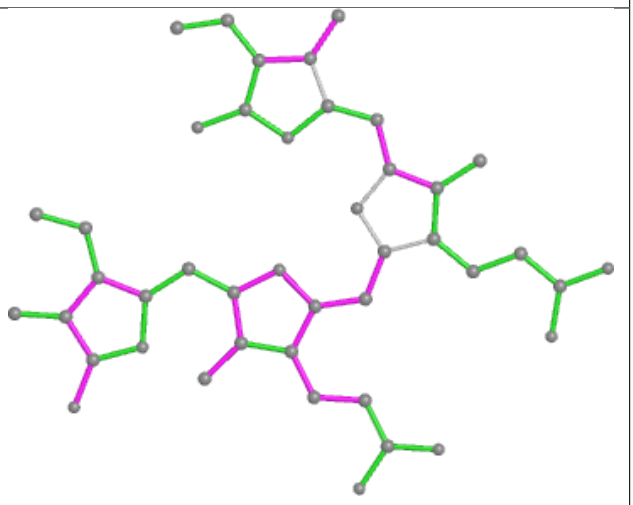

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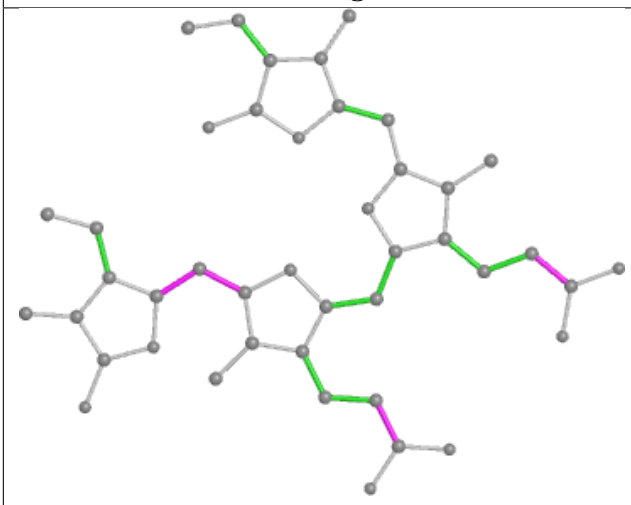

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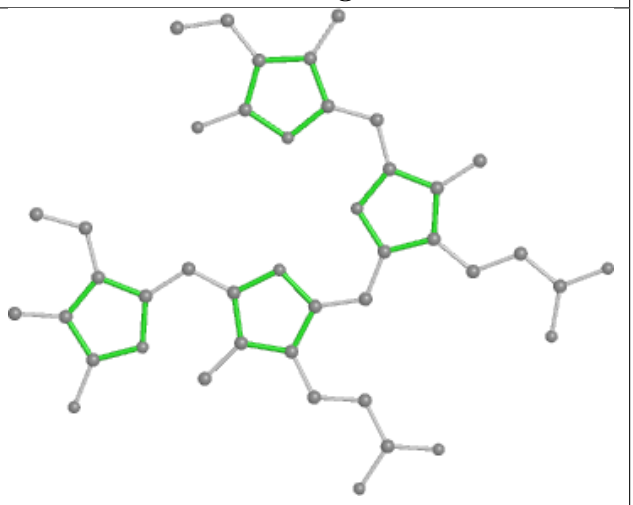
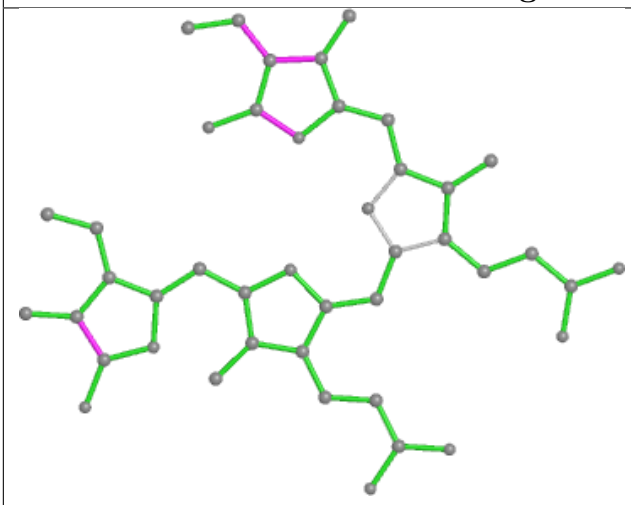


Rings

Ligand PEB q6 201



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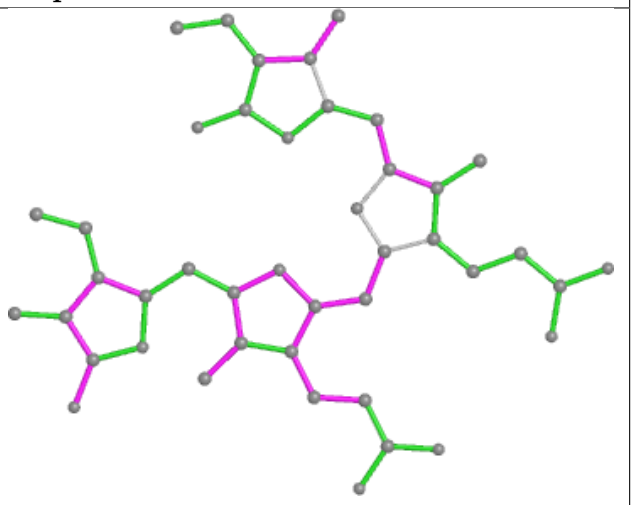
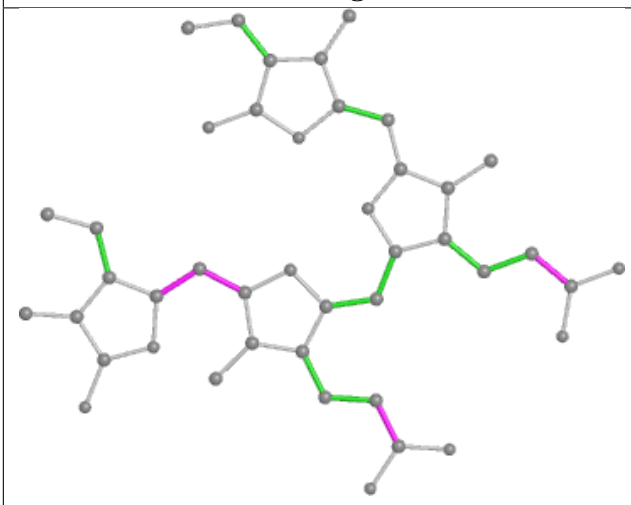


Bond angles



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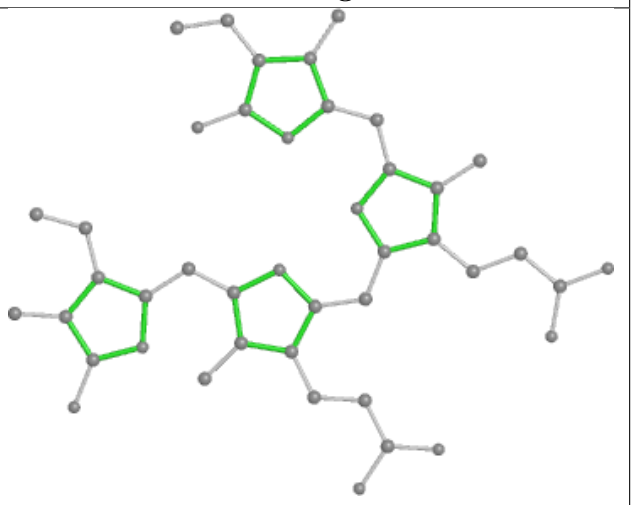
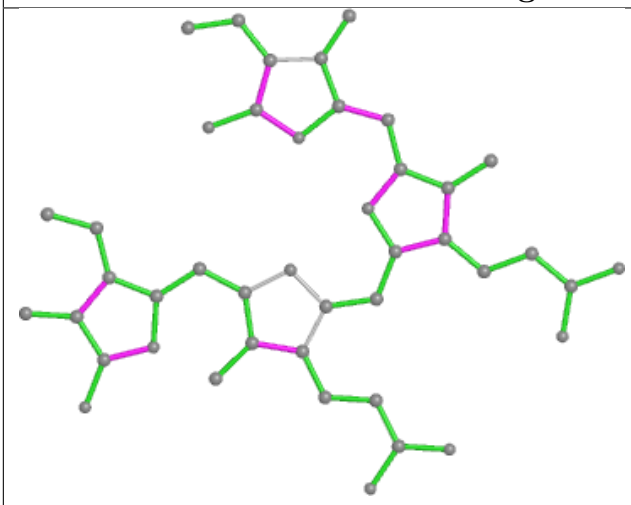


Rings

Ligand PUB a6 203



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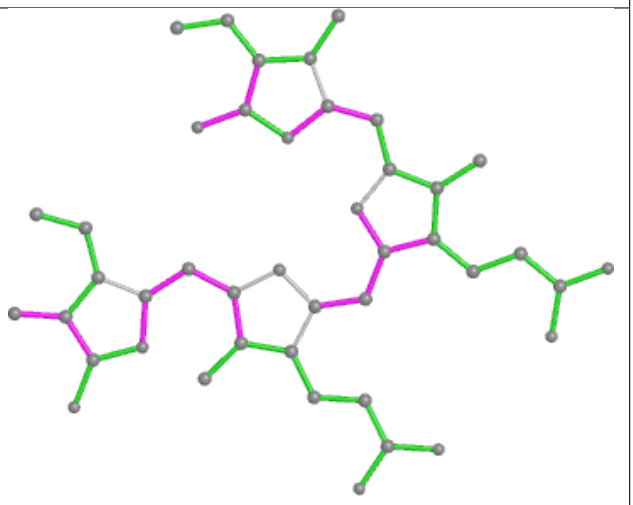
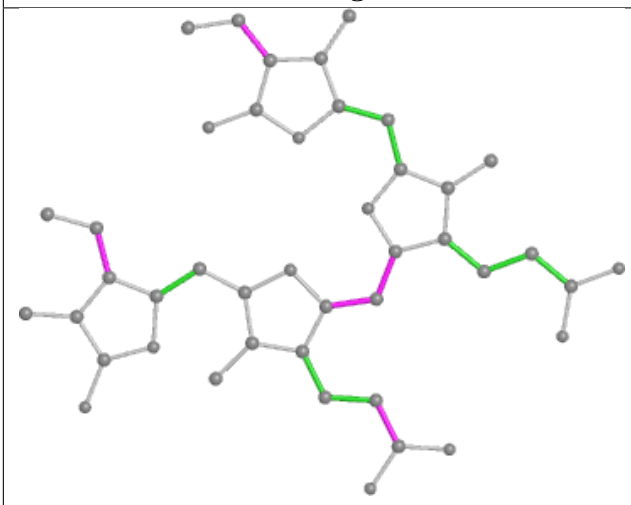


Bond angles



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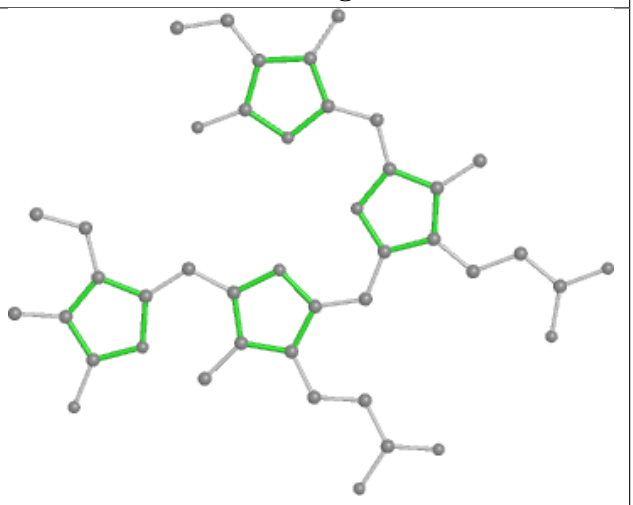
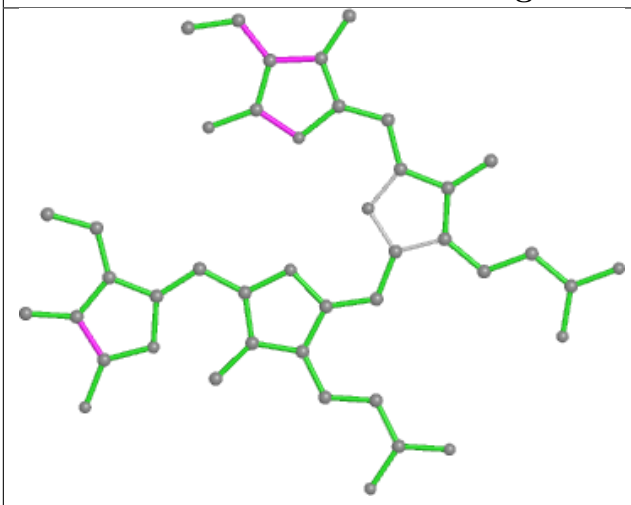
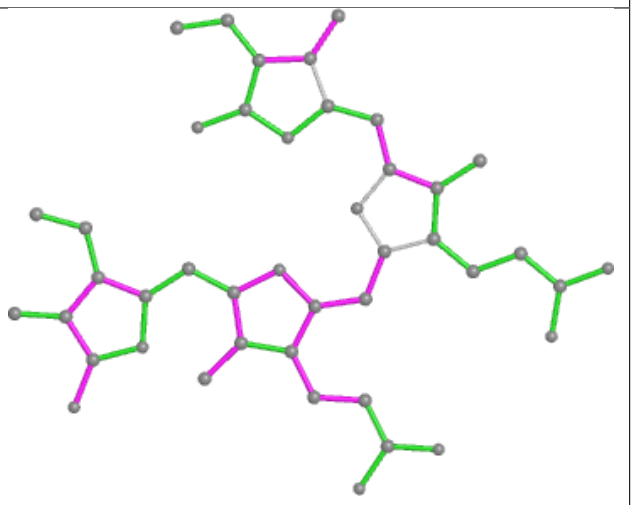


Rings

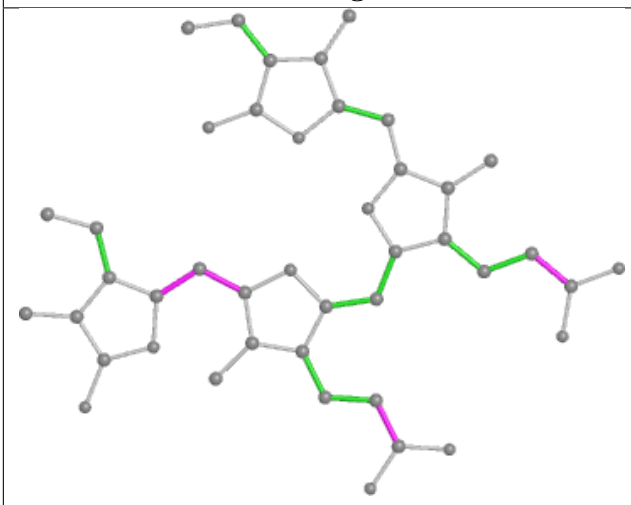
Ligand PEB aY 402



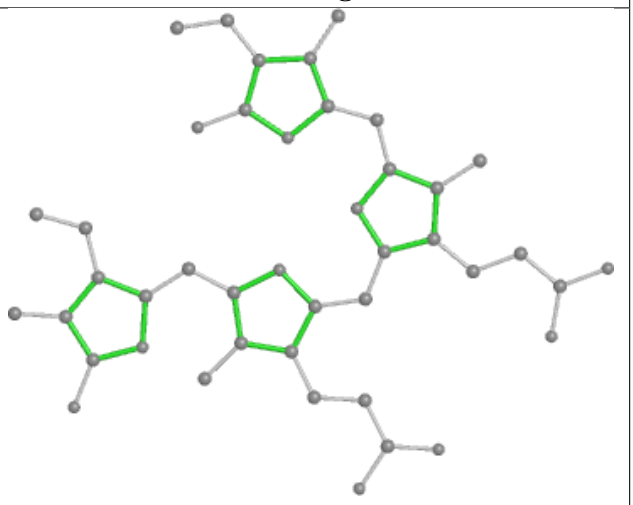
Bond lengths



Bond angles

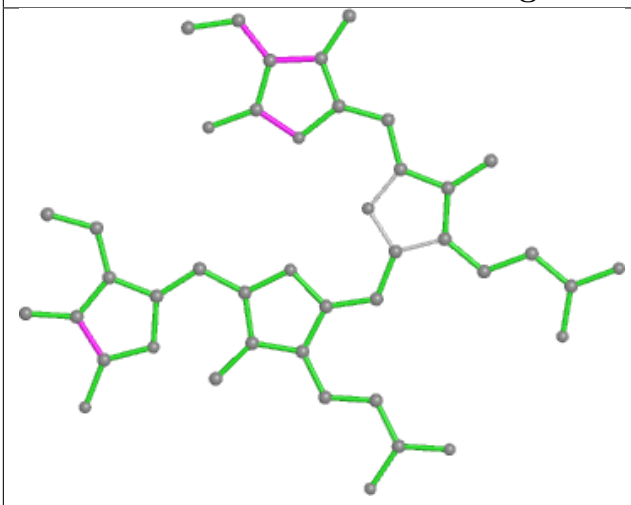


Torsions



Rings

Ligand PEB x8 202



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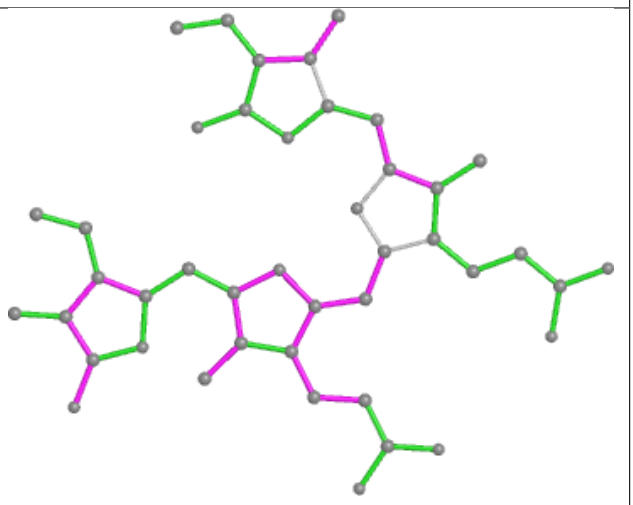

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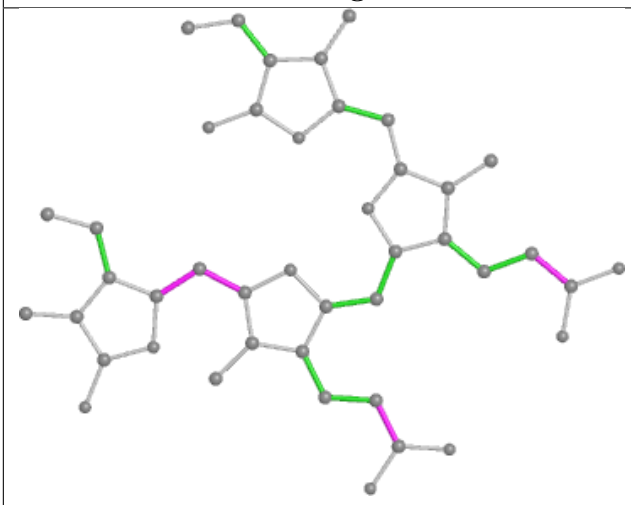

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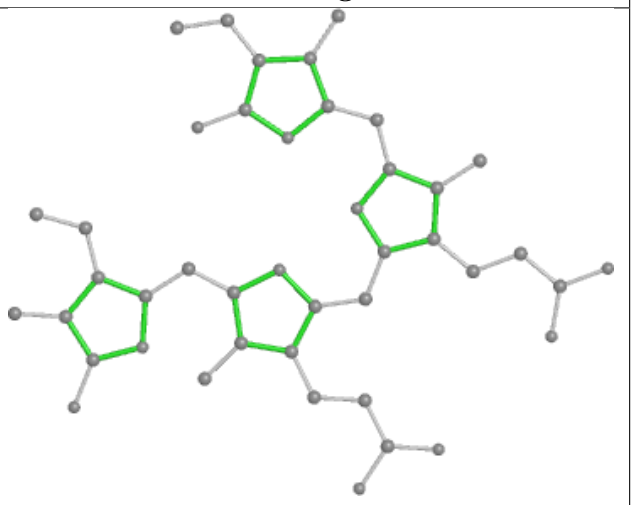
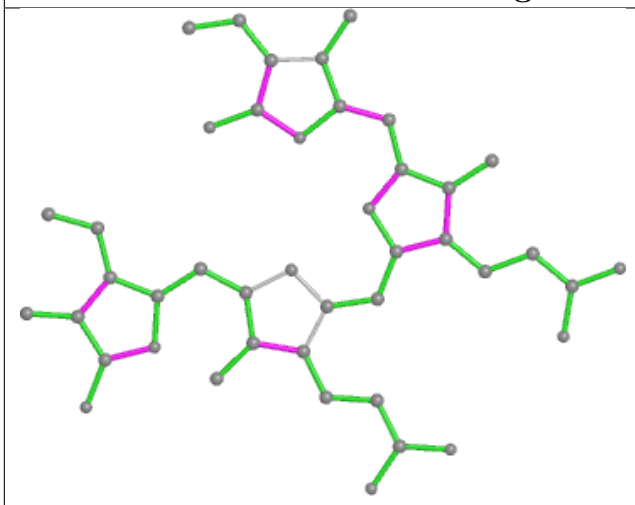


Rings

Ligand PUB Y9 304



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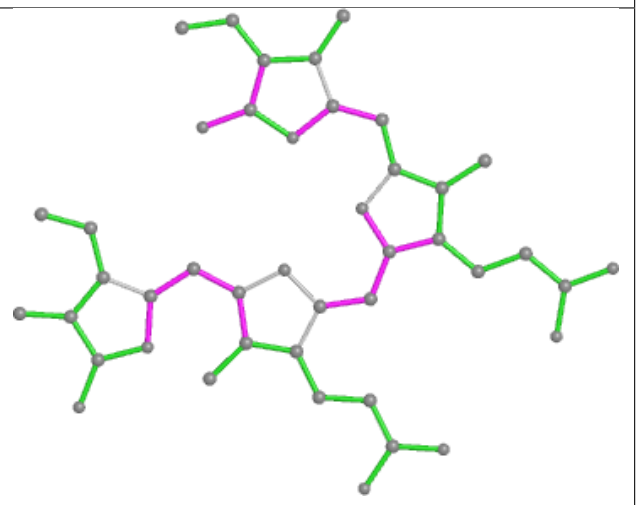

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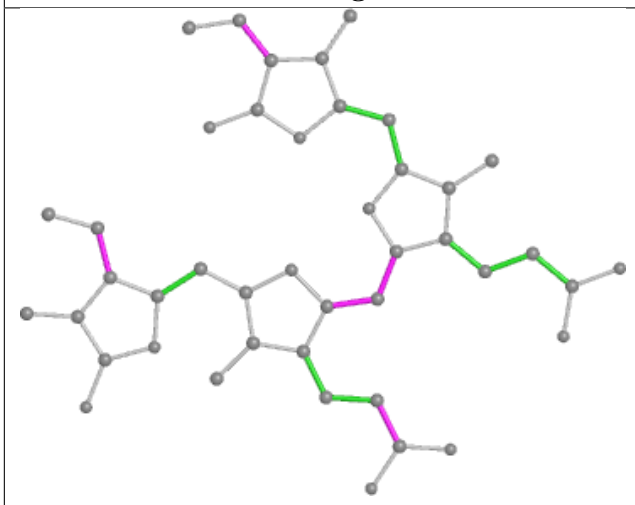

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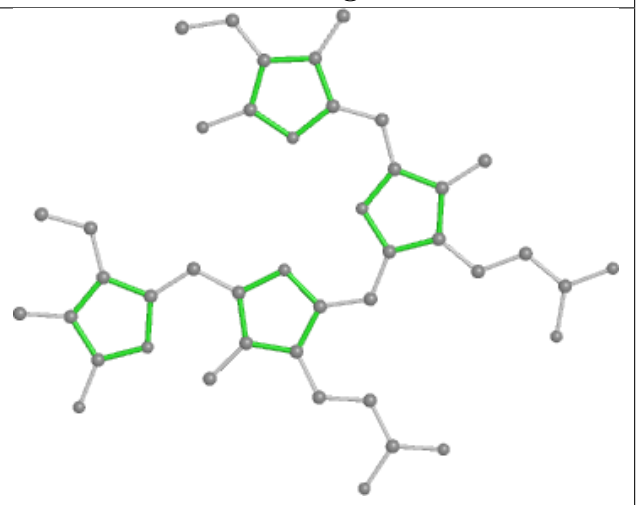
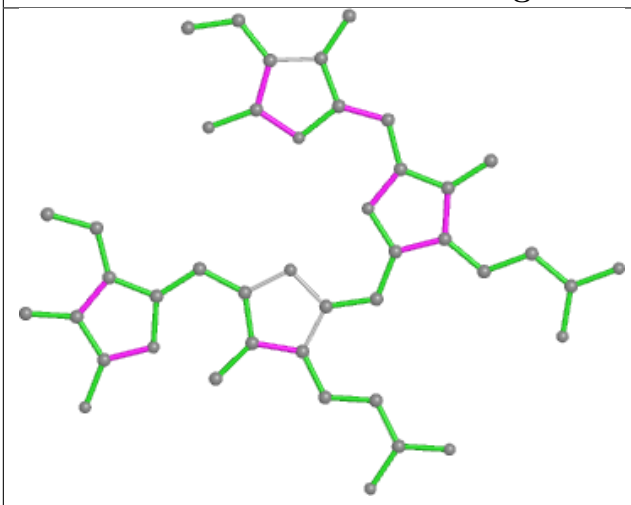


Rings

Ligand PUB R4 203



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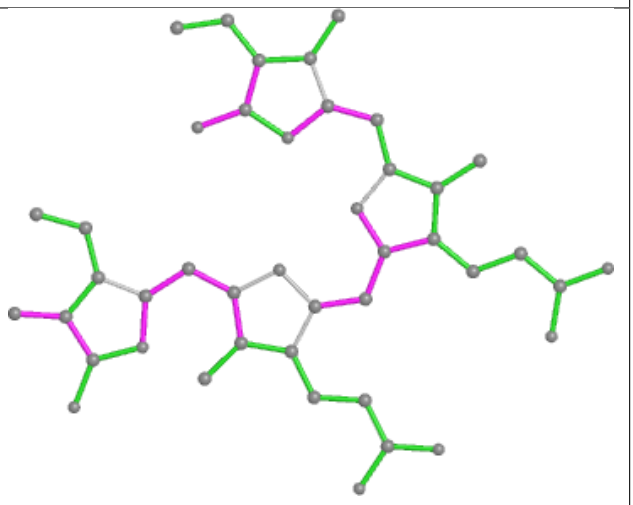

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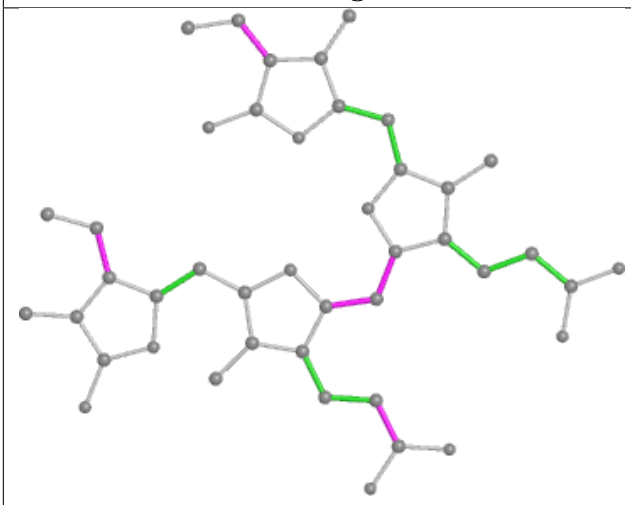

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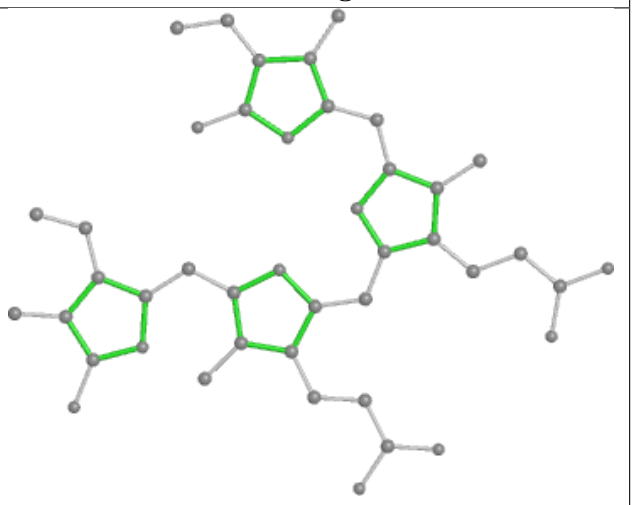

Rings

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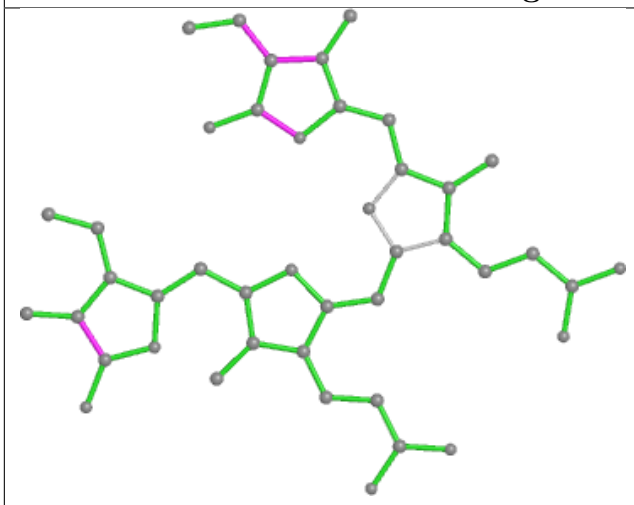

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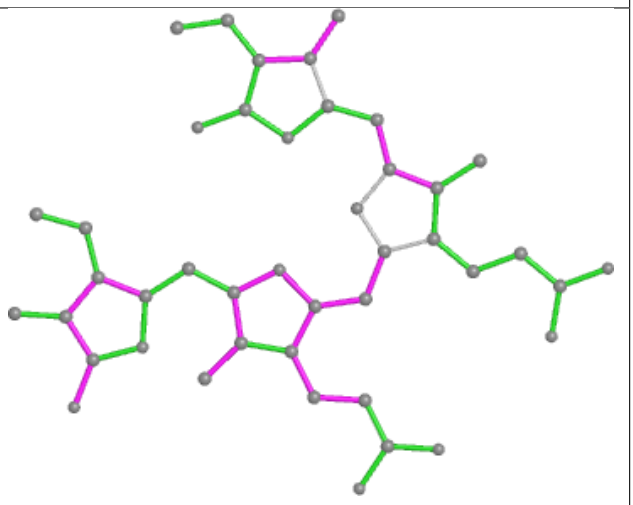

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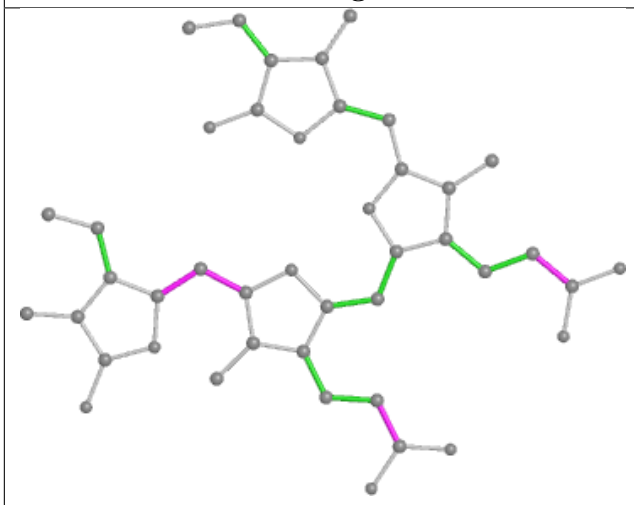

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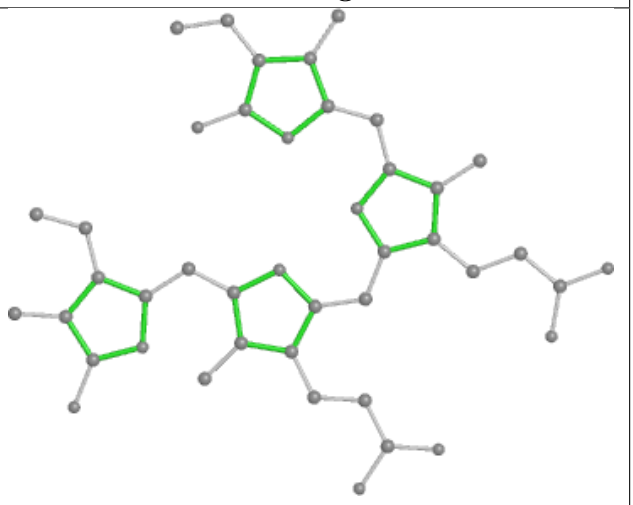

Rings

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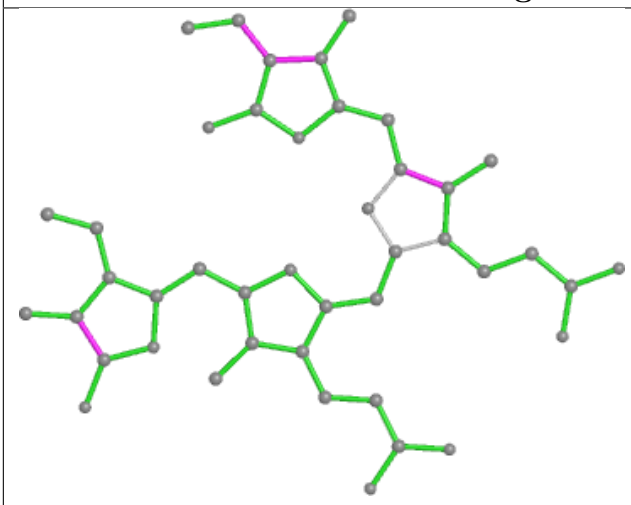

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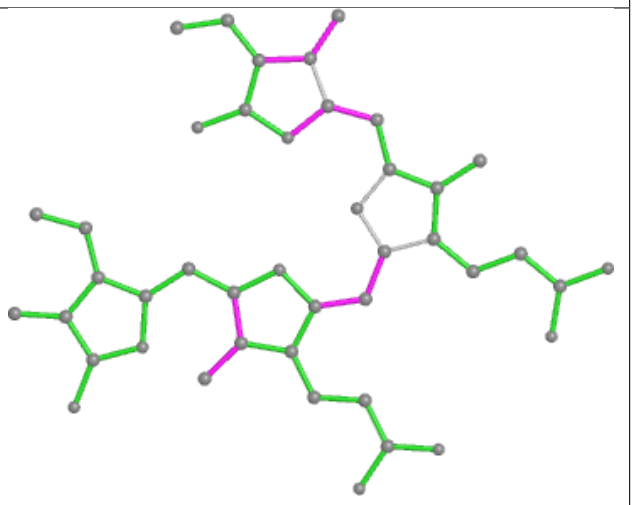

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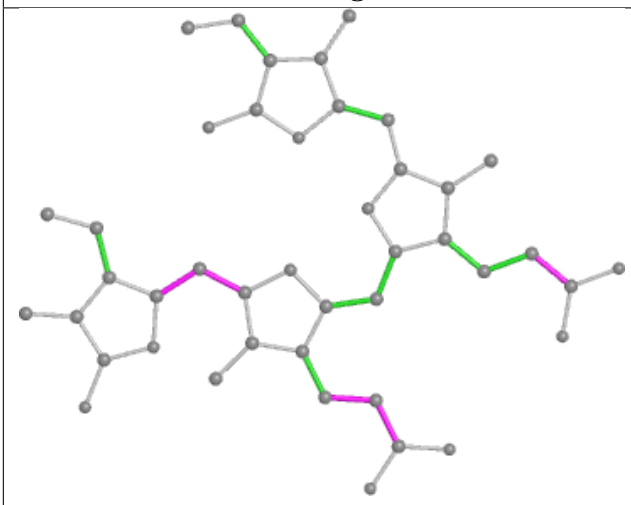

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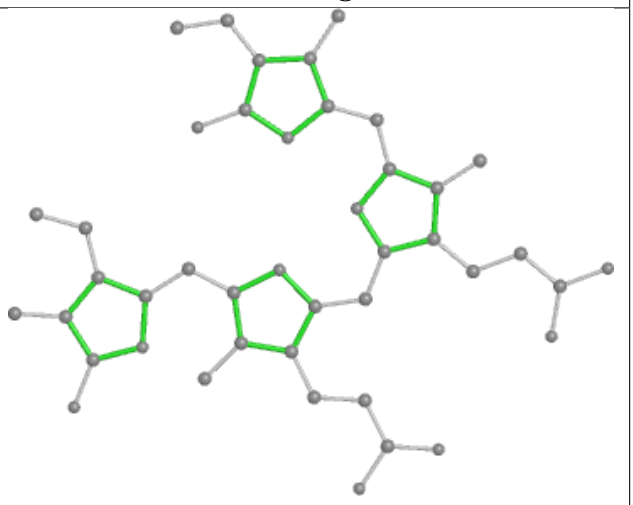
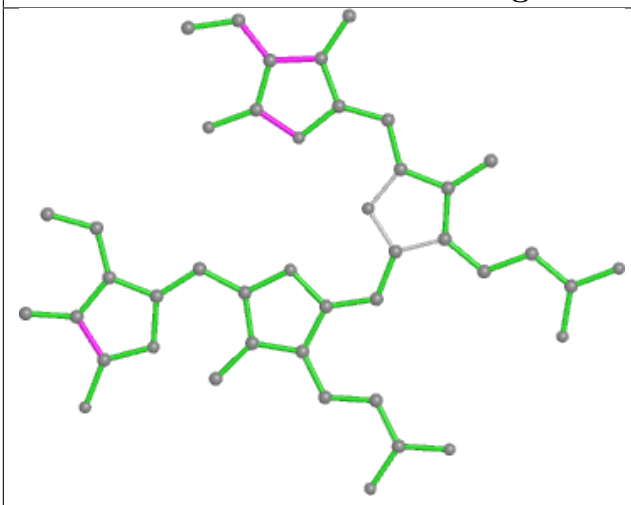


Rings

Ligand PEB c6 1001



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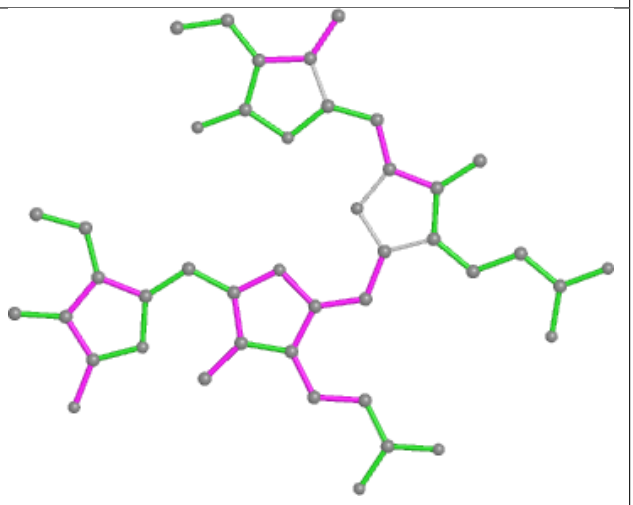

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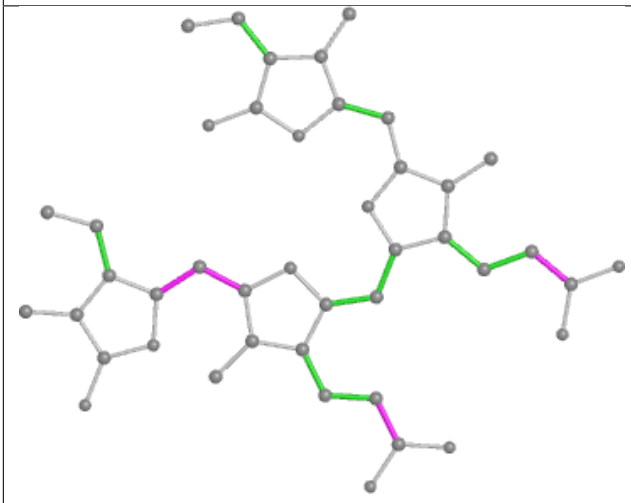

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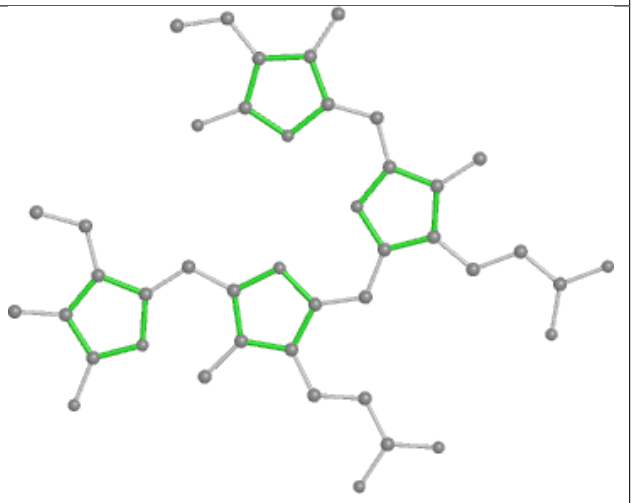

Rings

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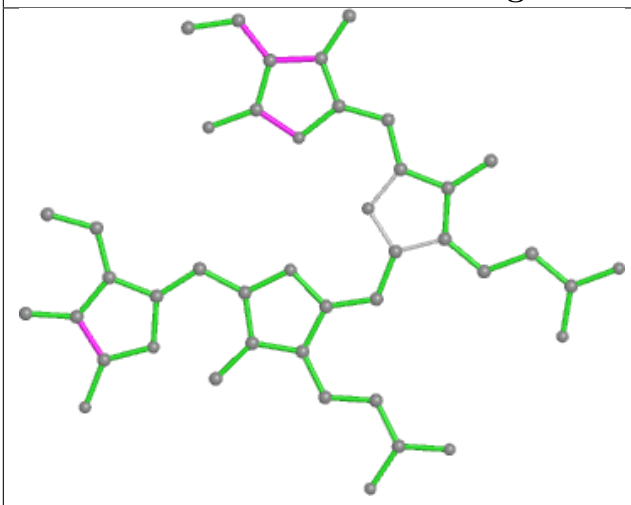

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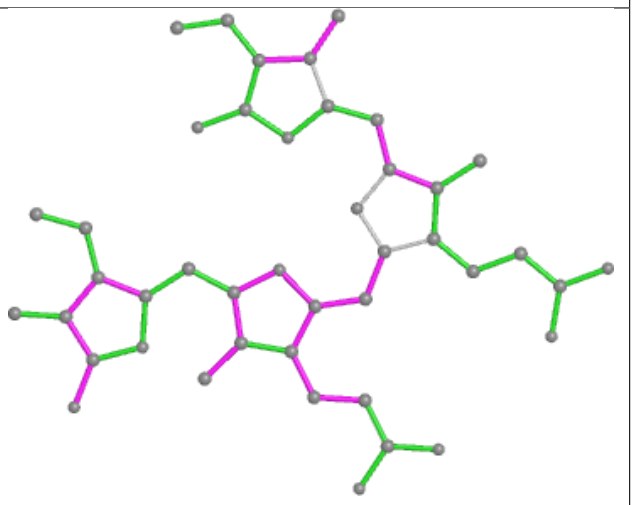

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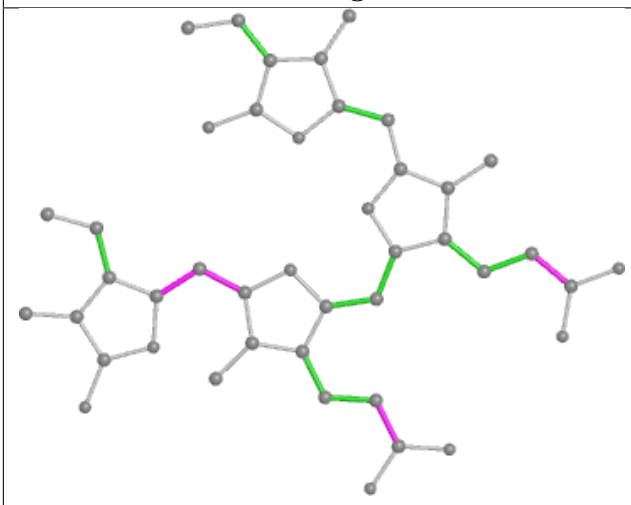

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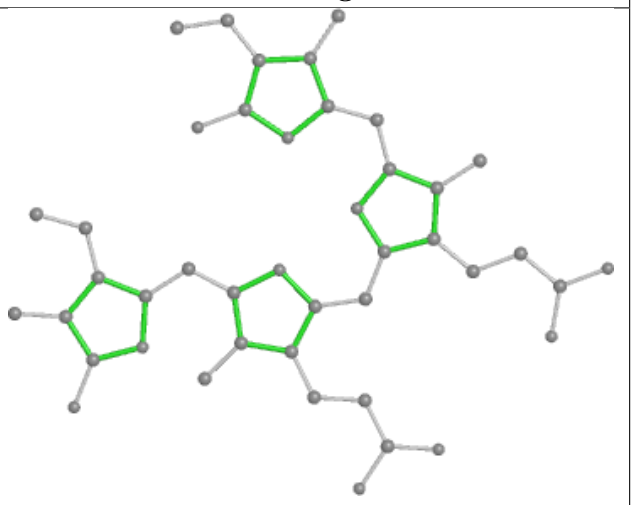
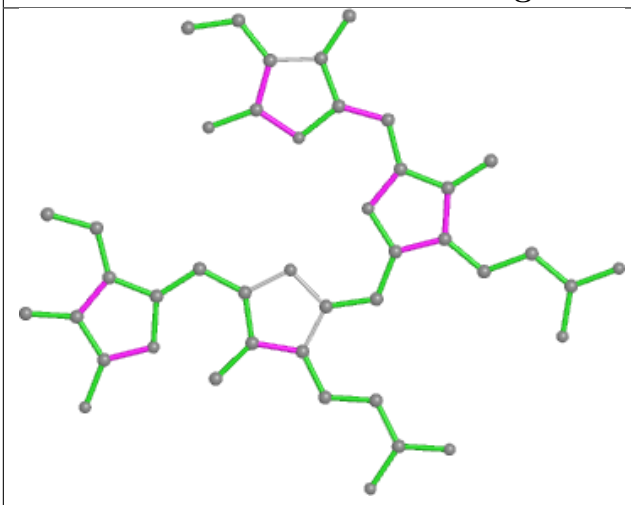


Rings

Ligand PUB T9 203



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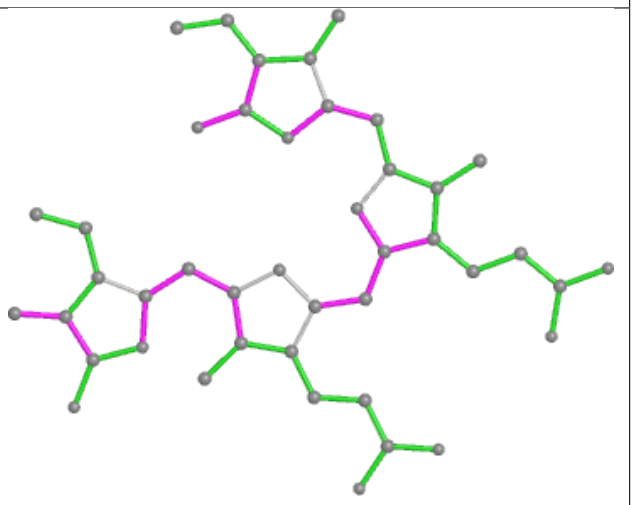

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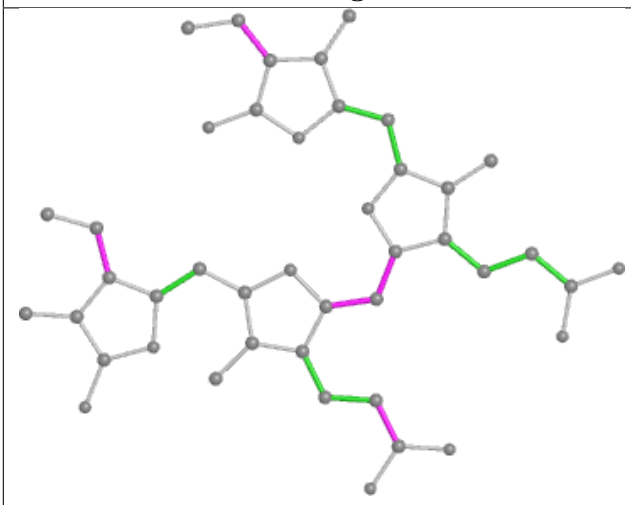

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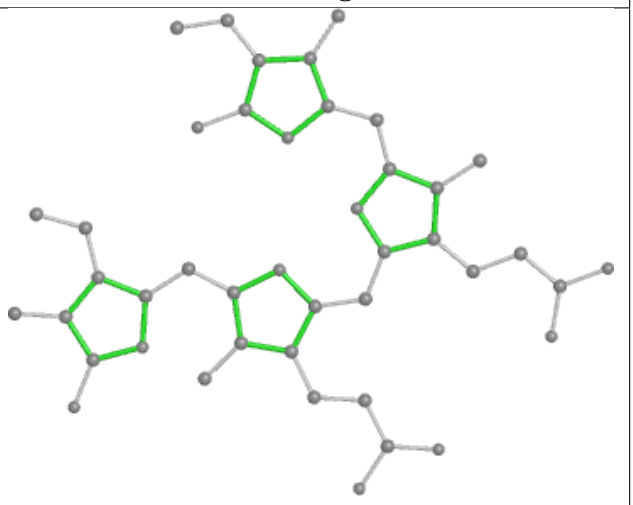

Rings

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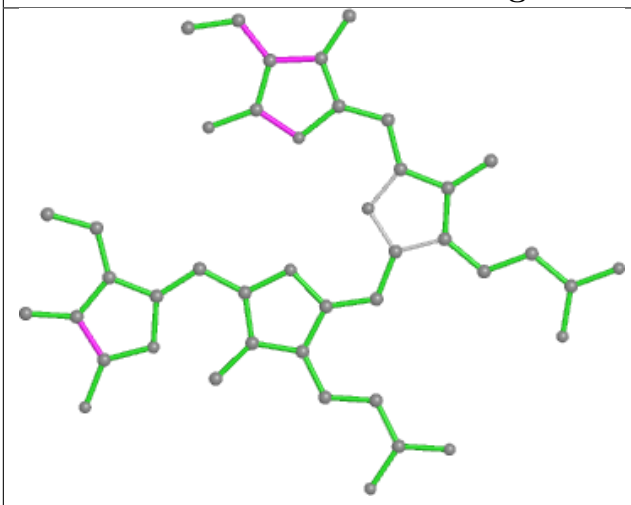

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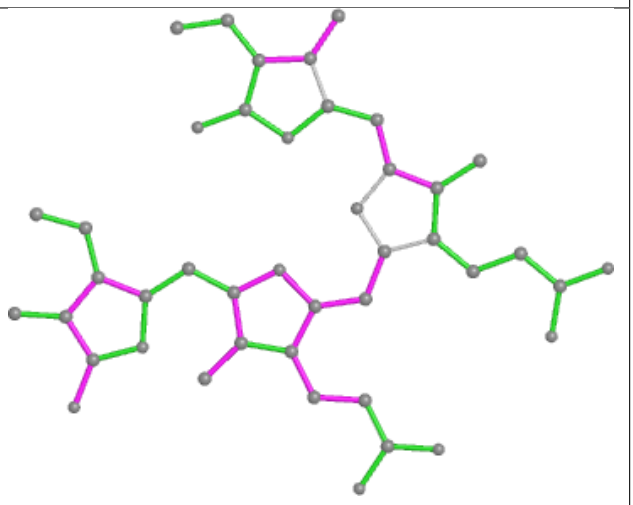

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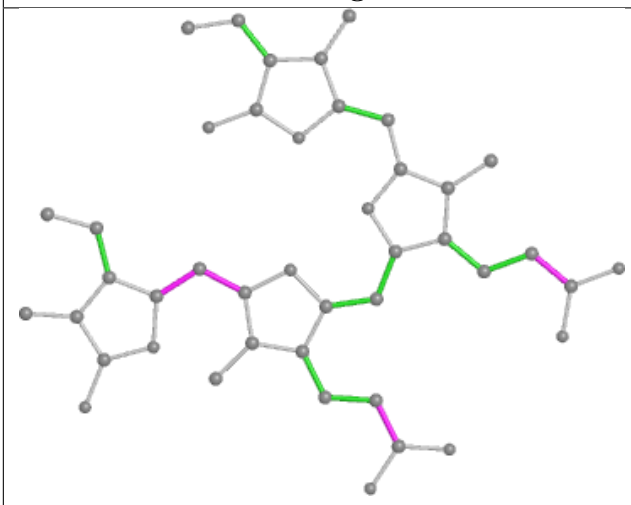

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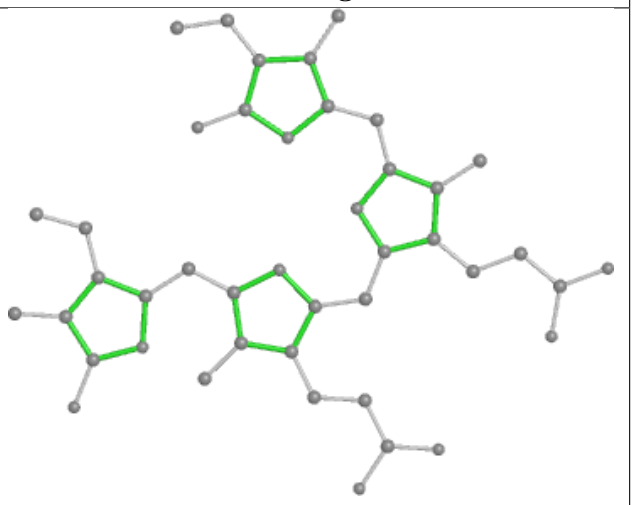
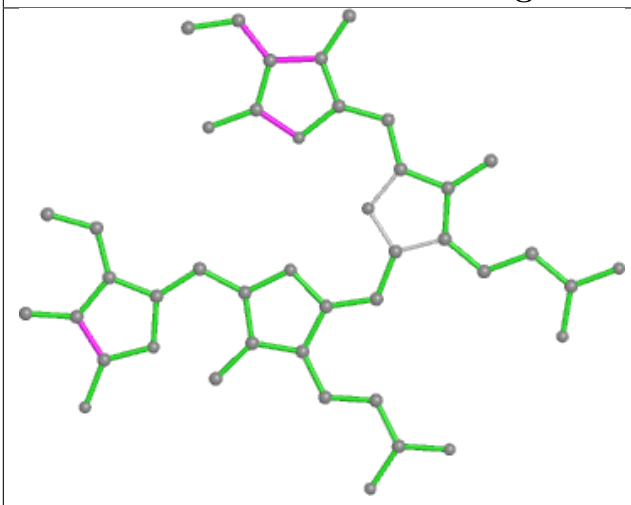


Rings

Ligand PEB A8 201



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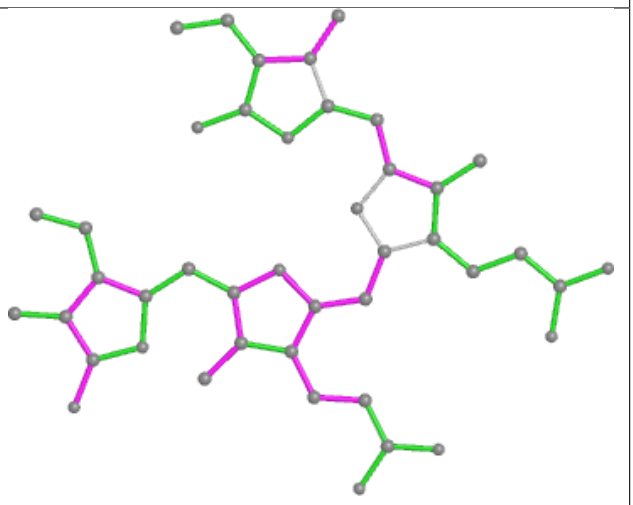

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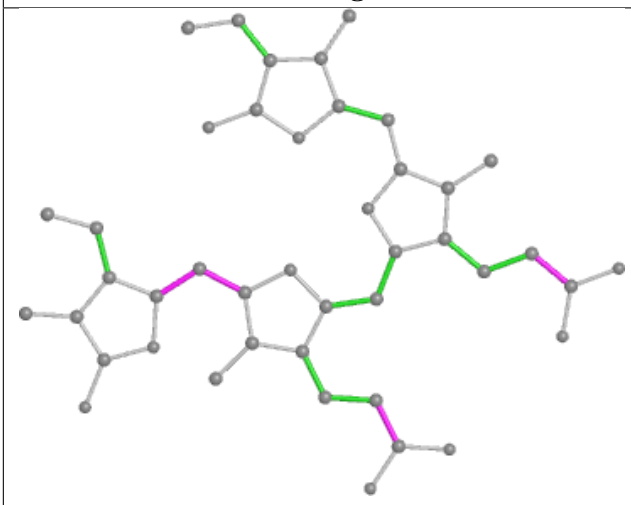

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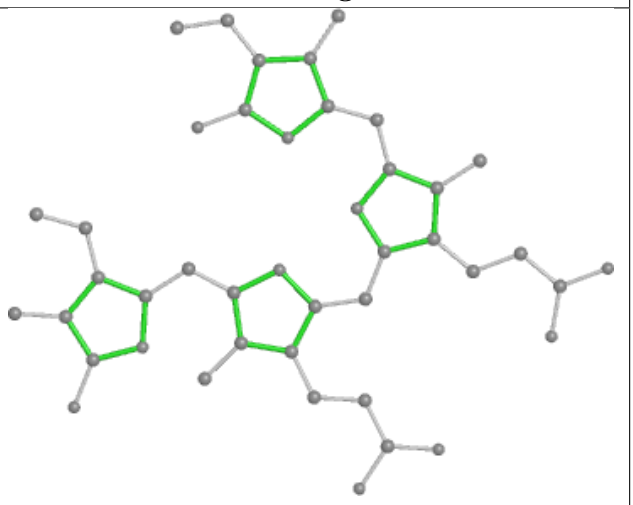
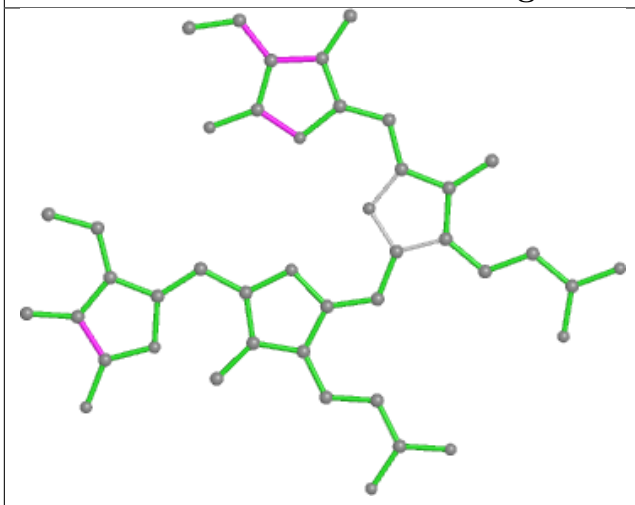


Rings

Ligand PEB ew 301



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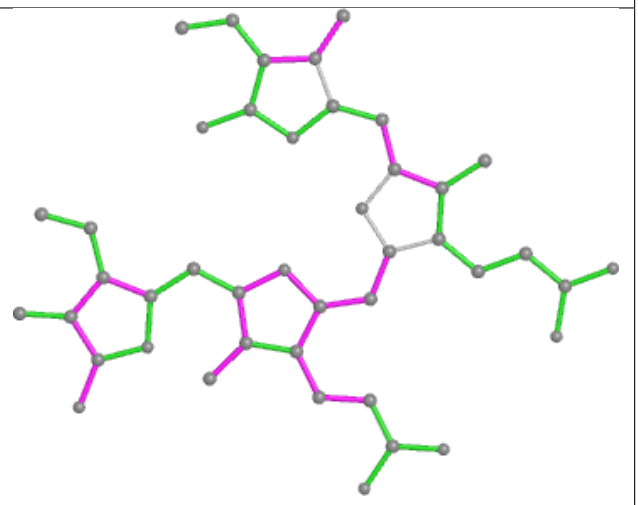

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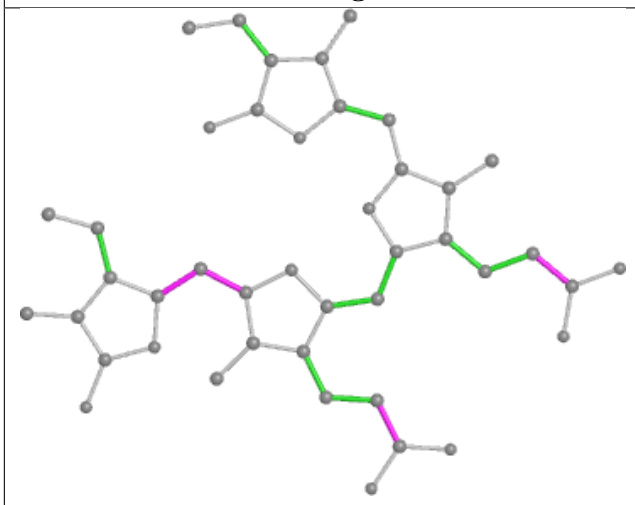

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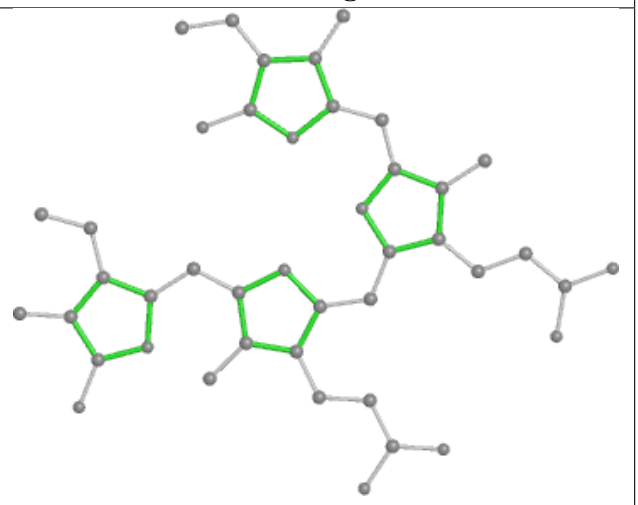

Rings

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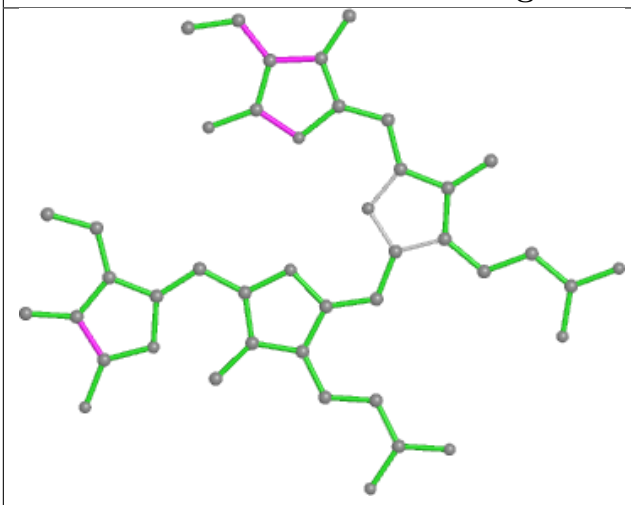

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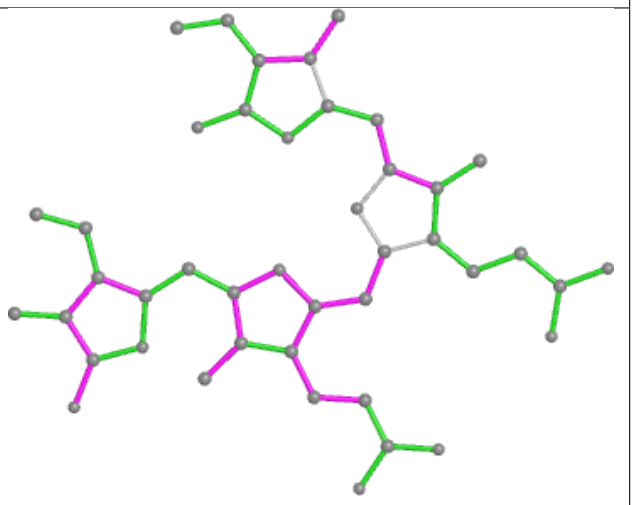
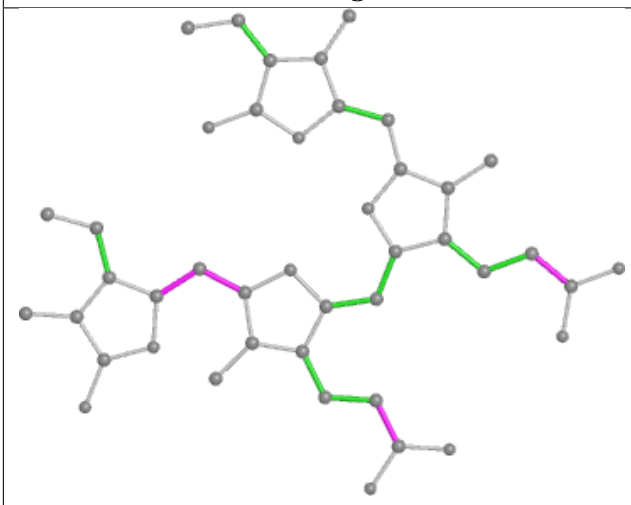


Bond angles



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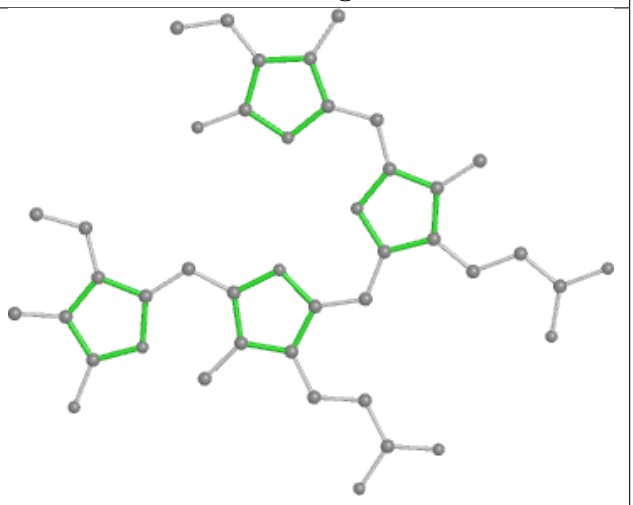

Rings

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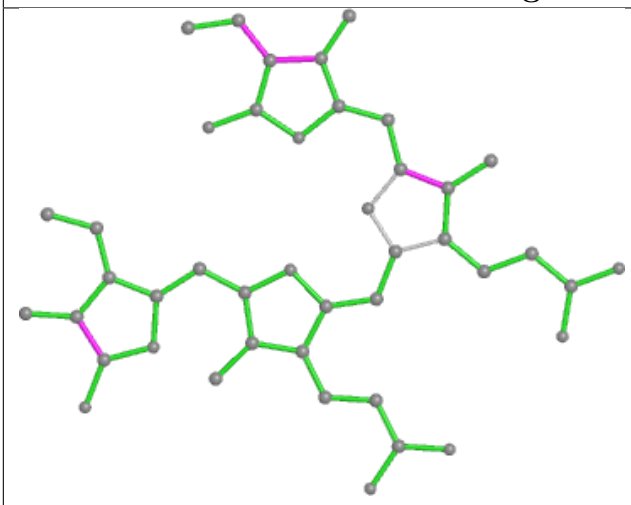

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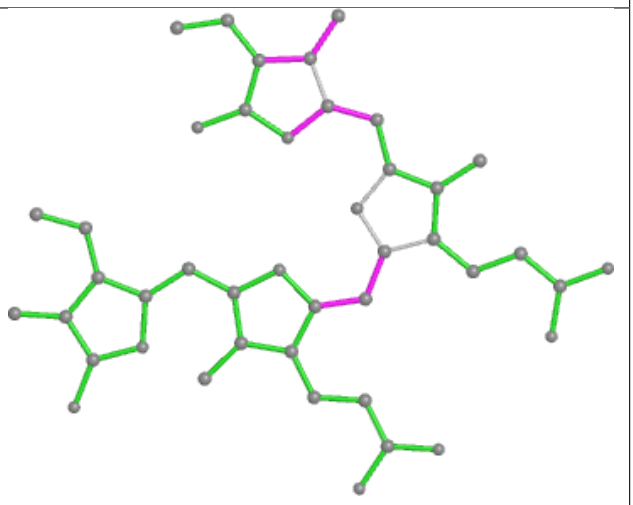
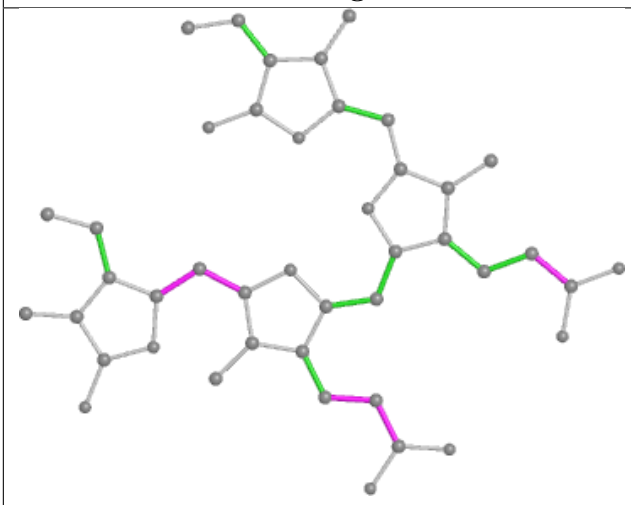
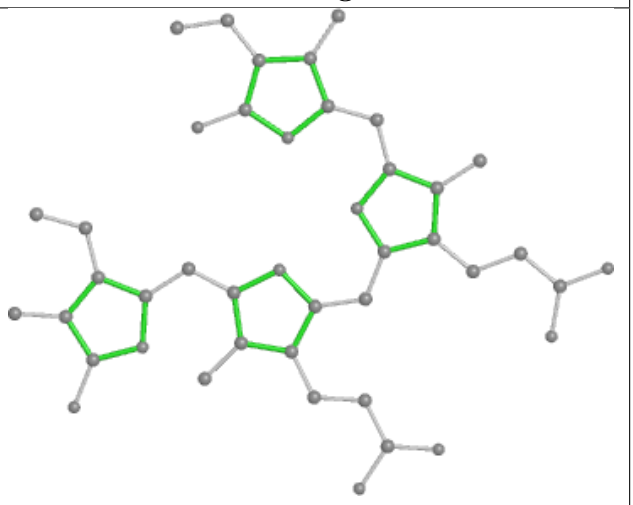


Bond angles

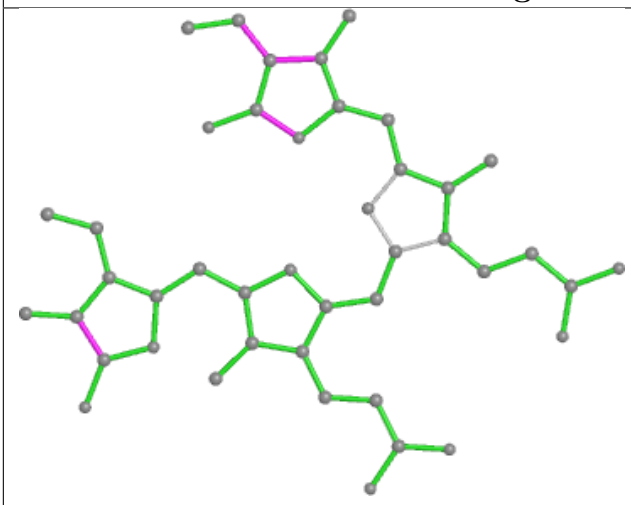


Torsions



Rings

Ligand PEB m2 202



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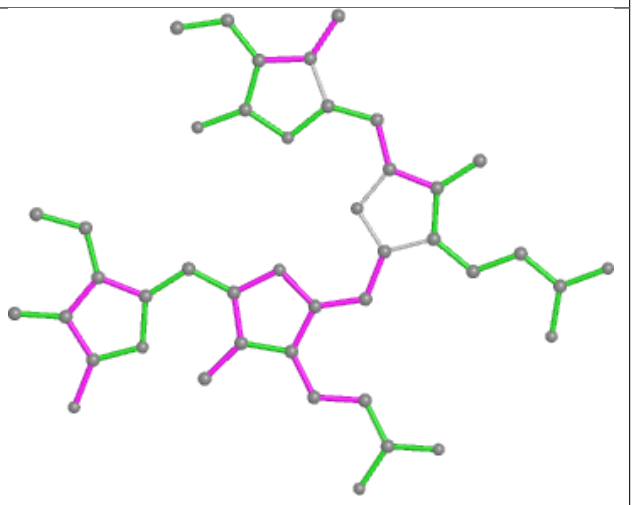

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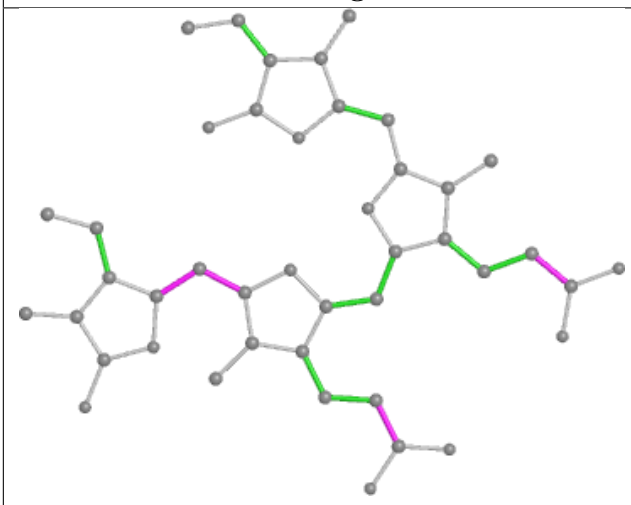

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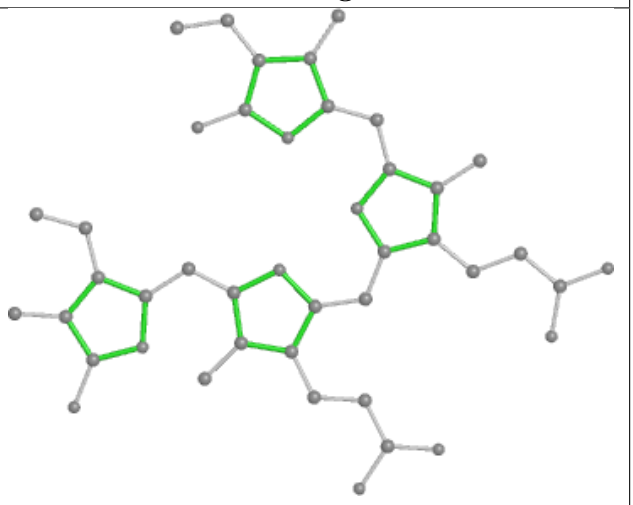
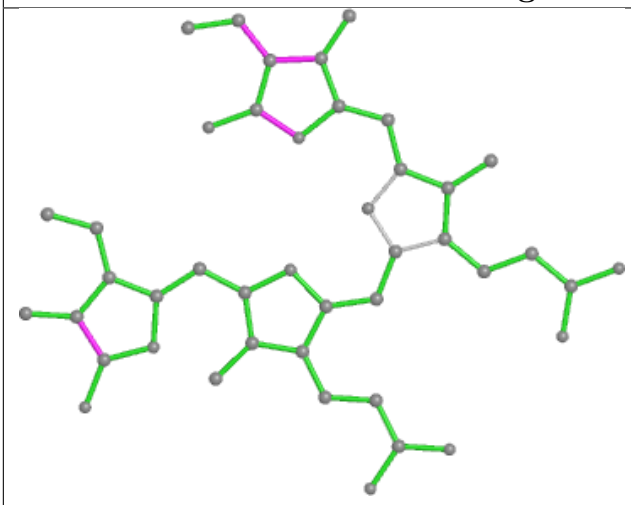


Rings

Ligand PEB L5 201



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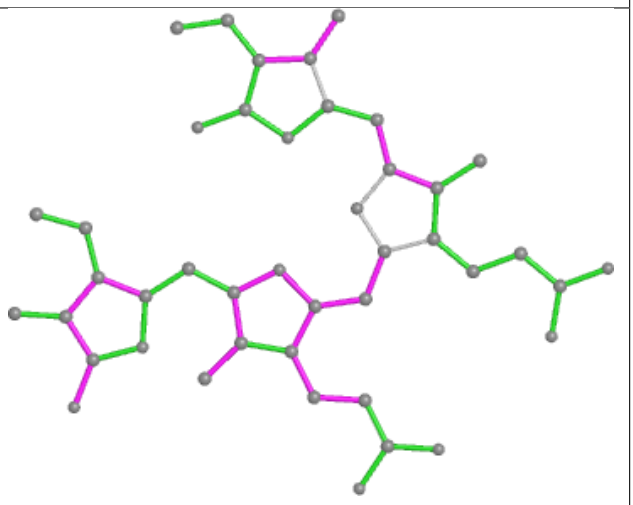

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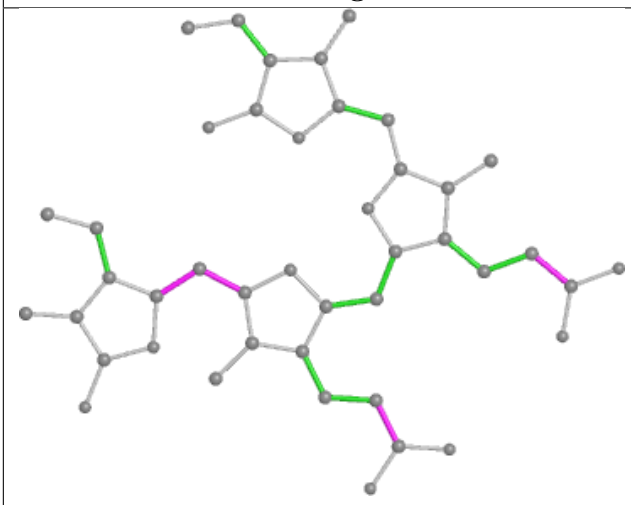

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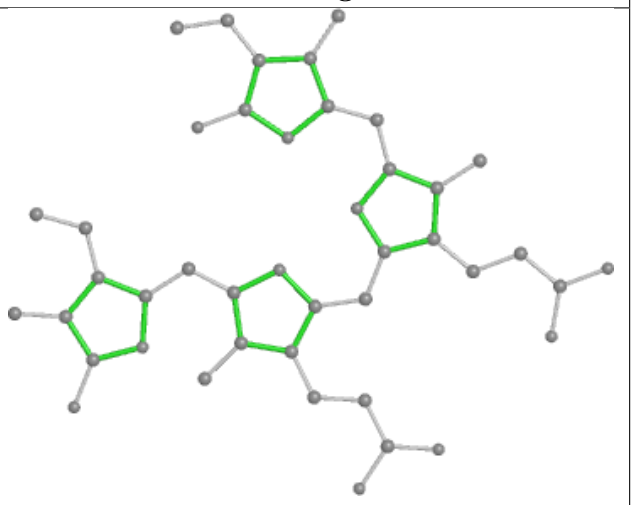
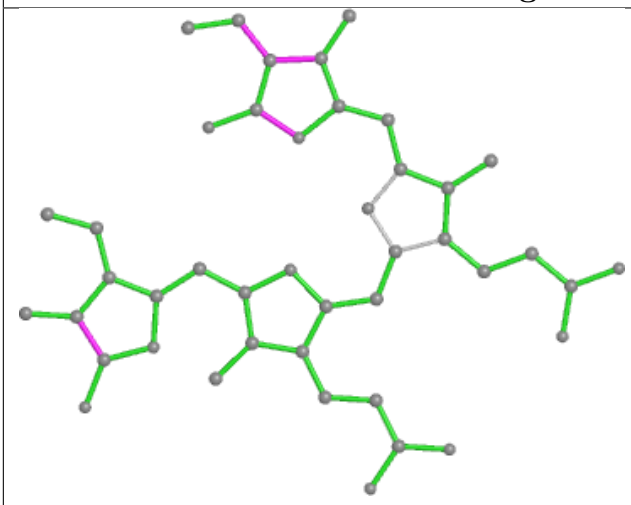


Rings

Ligand PEB J8 202



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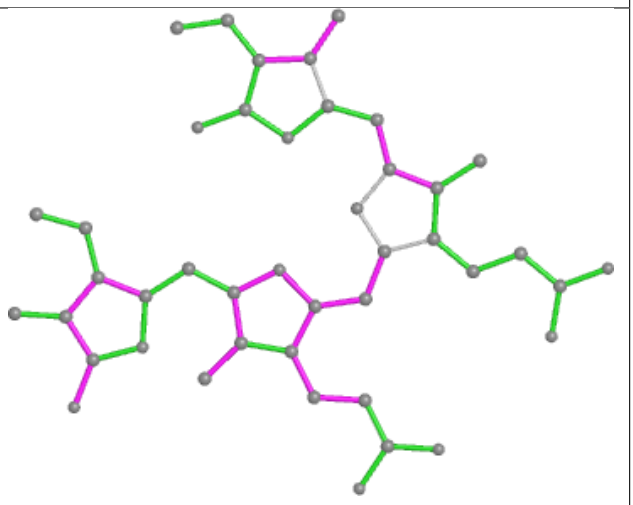

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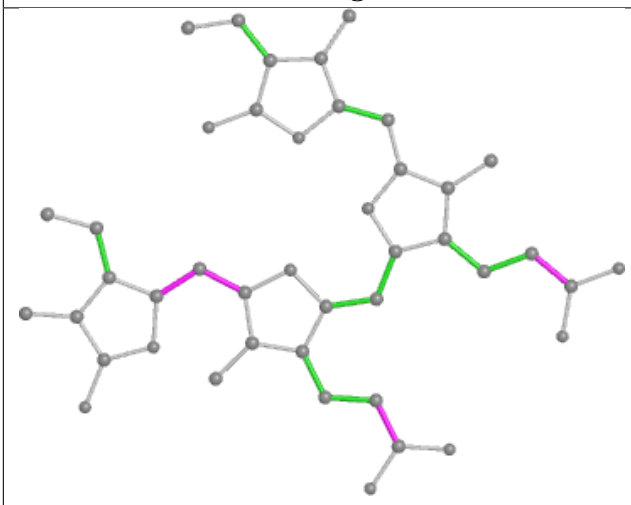

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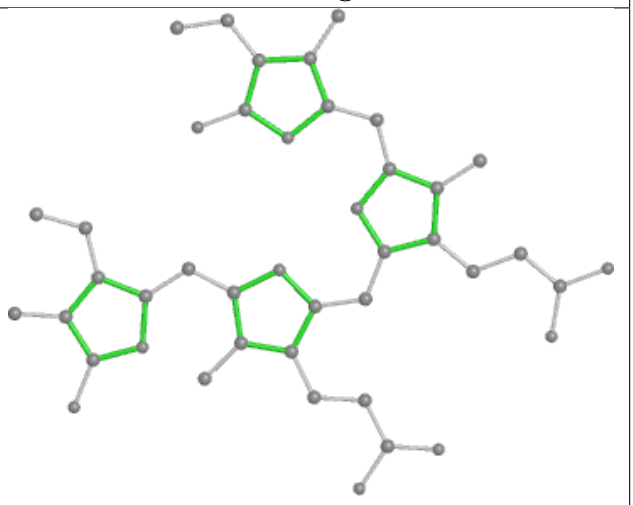
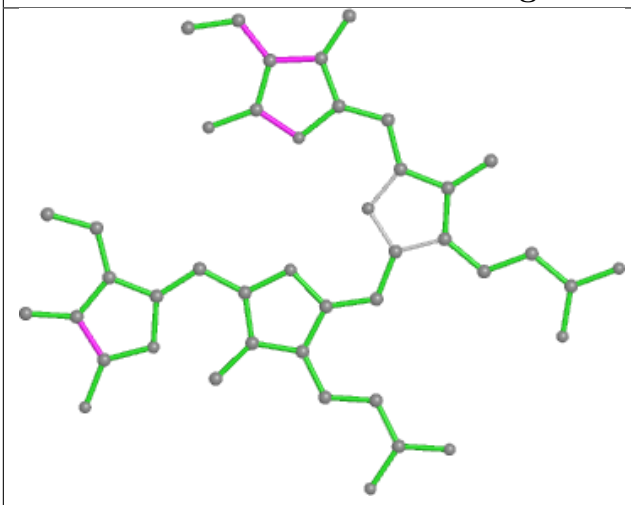


Rings

Ligand PEB y8 201



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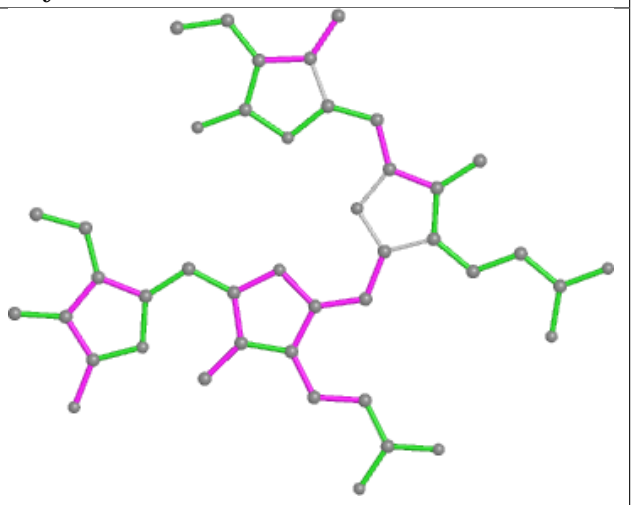

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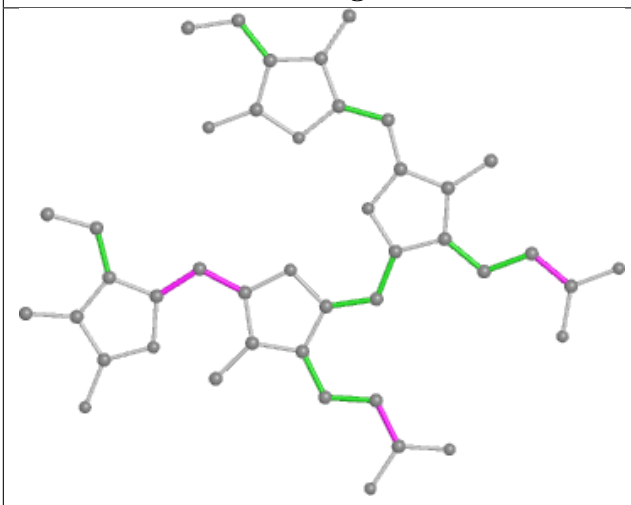

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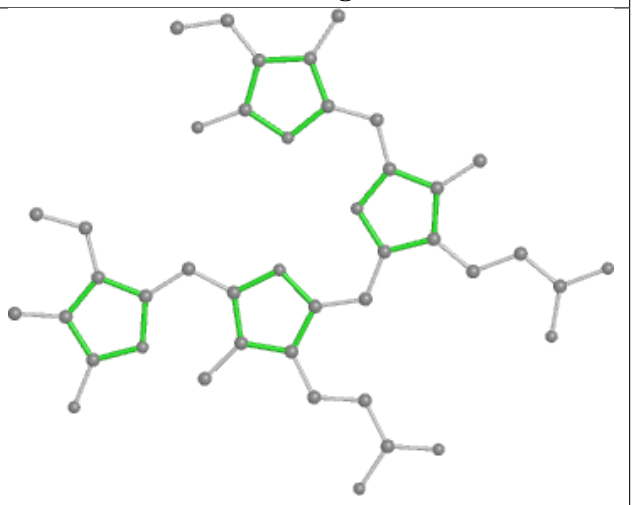
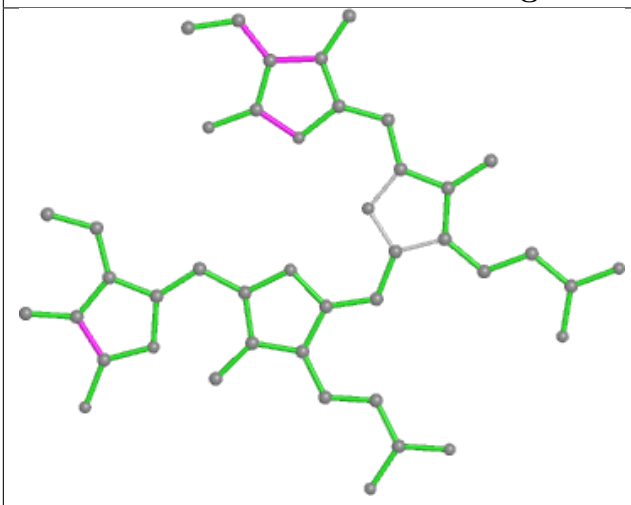


Rings

Ligand PEB z3 201



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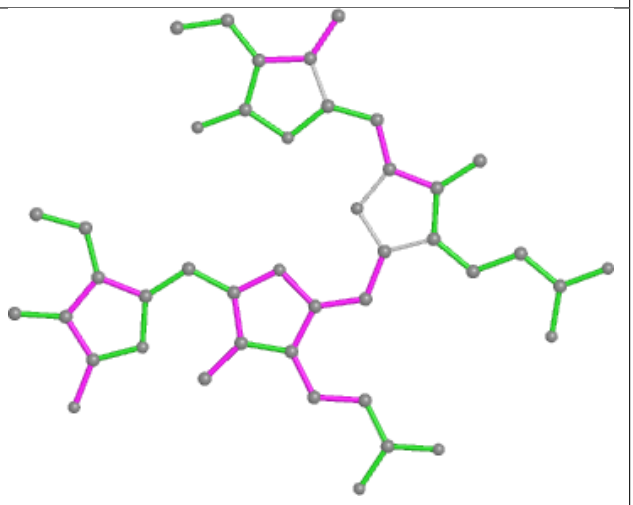

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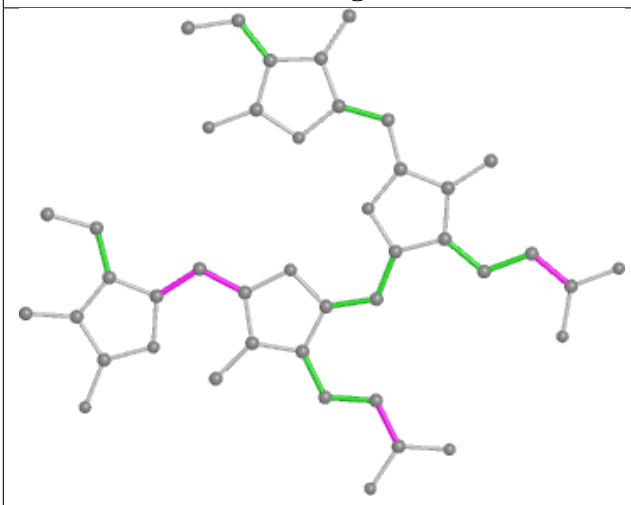

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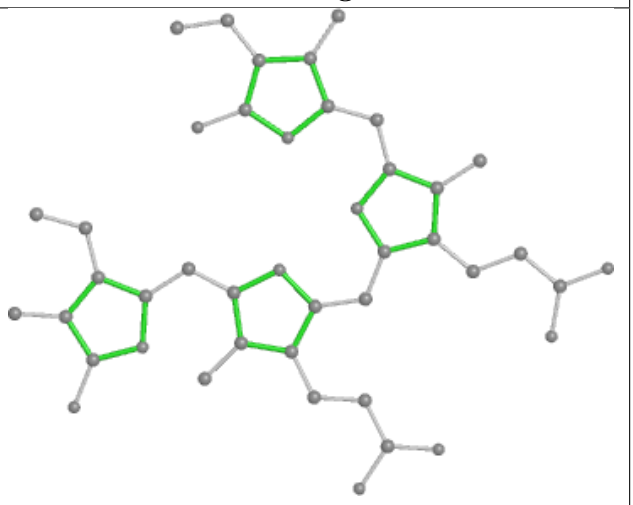

Rings

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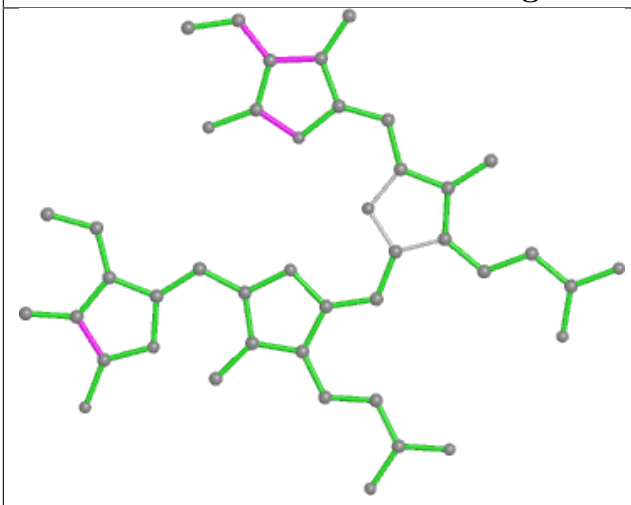

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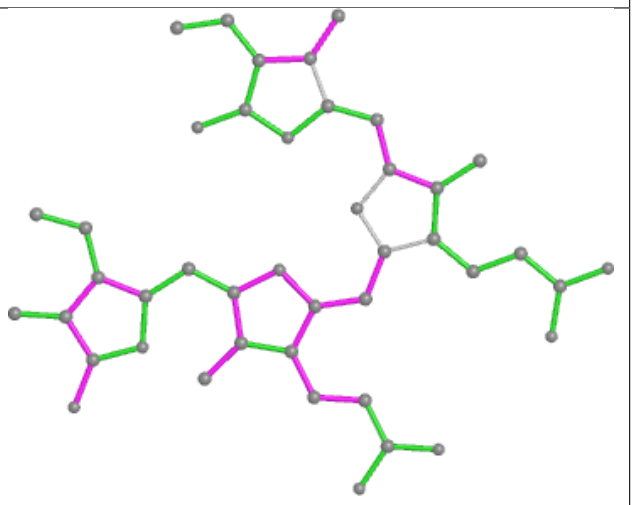

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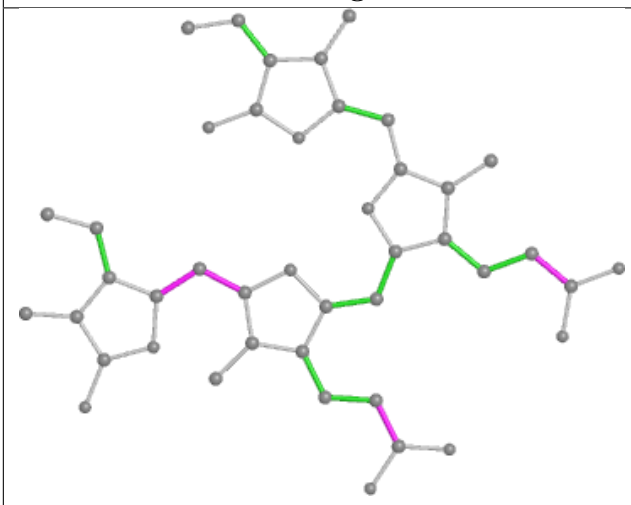

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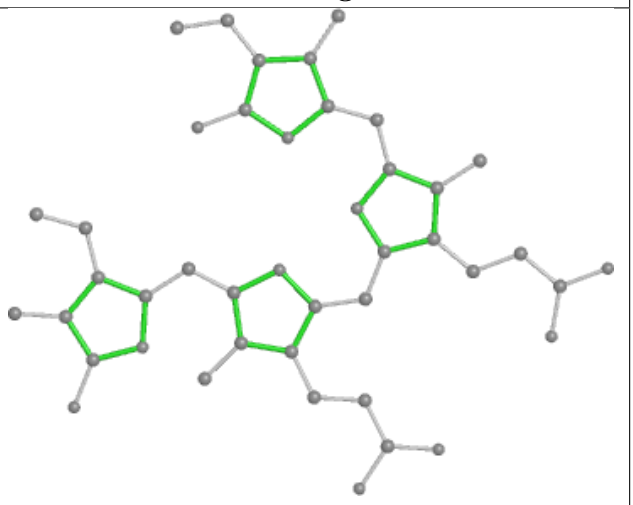
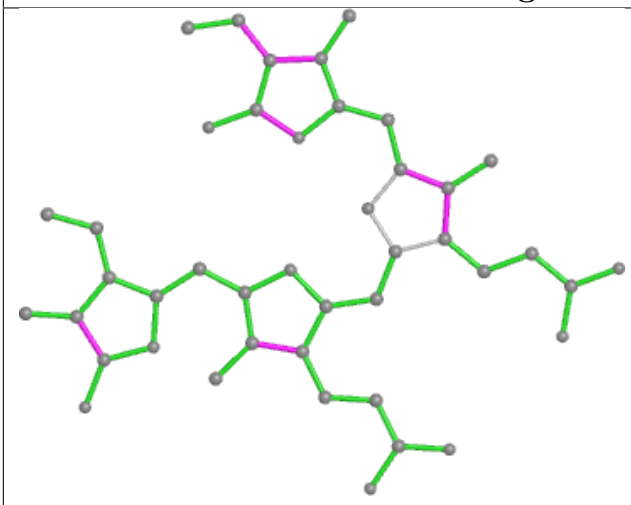


Rings

Ligand PEB L5 202



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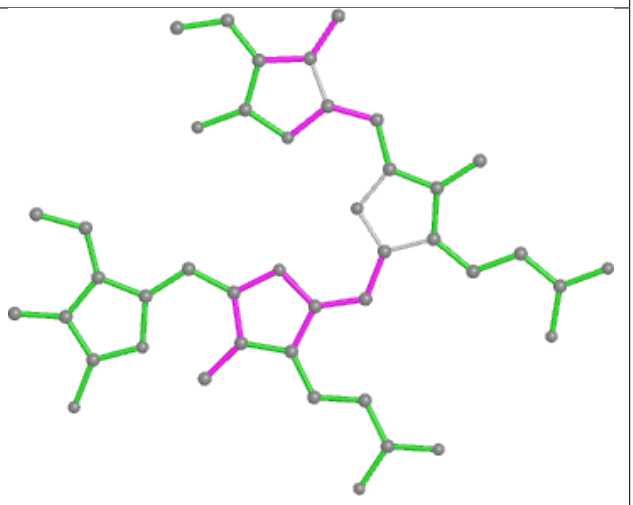

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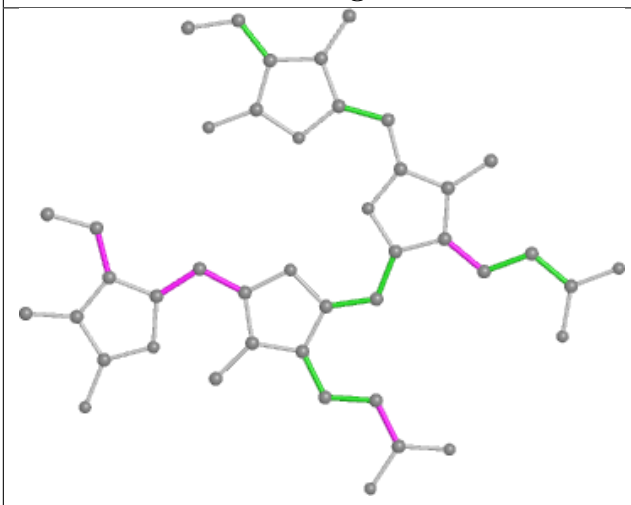

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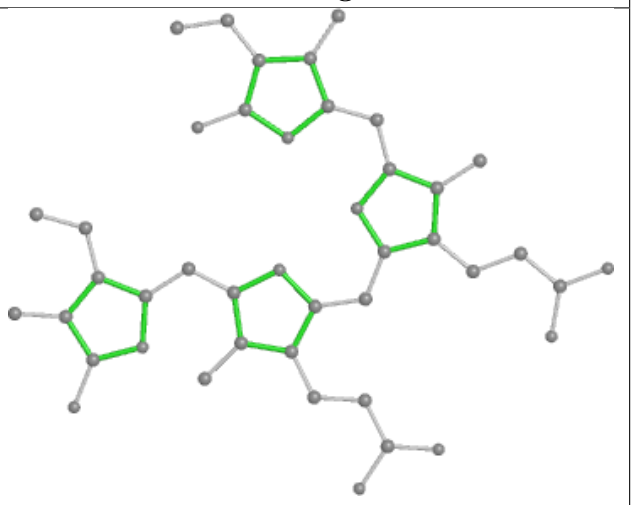
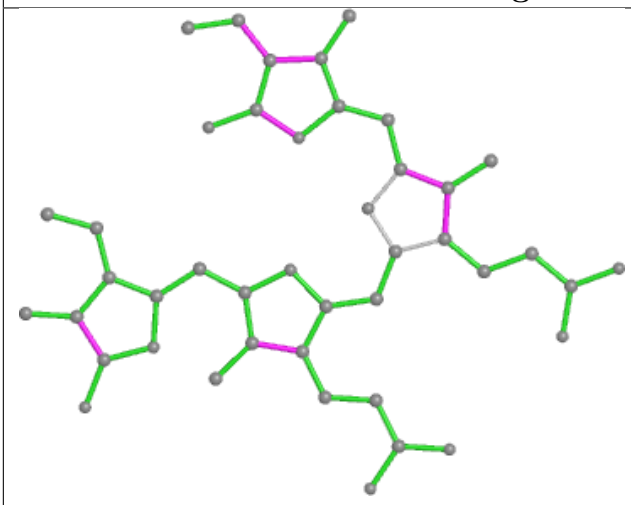


Rings

Ligand PEB iE 1002



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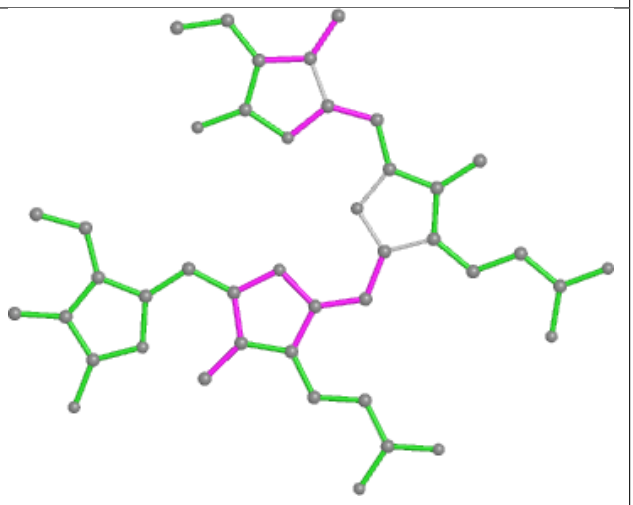

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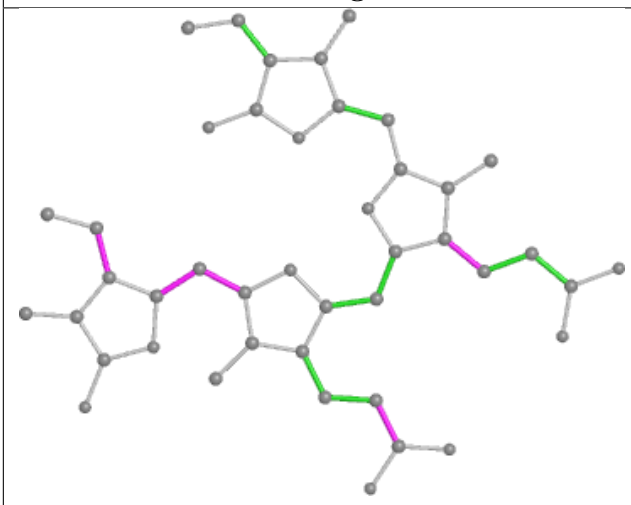

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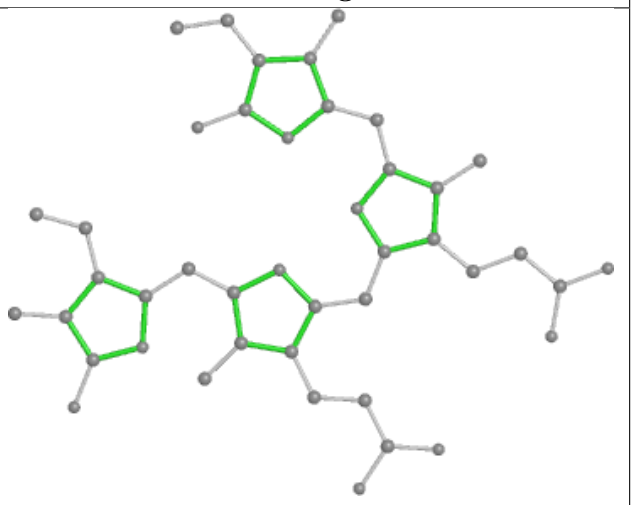

Rings

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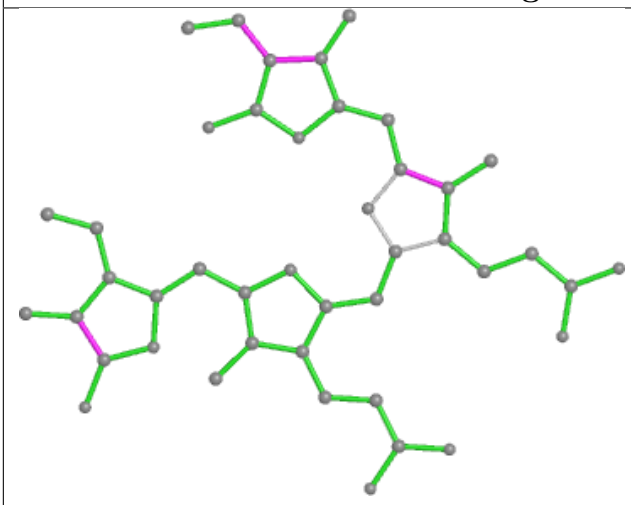

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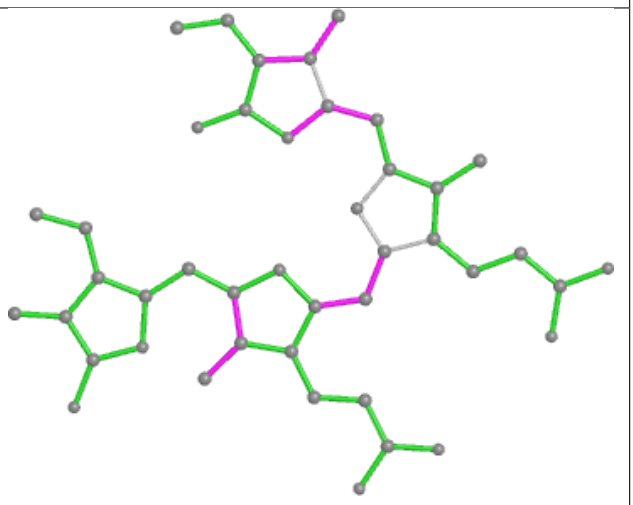

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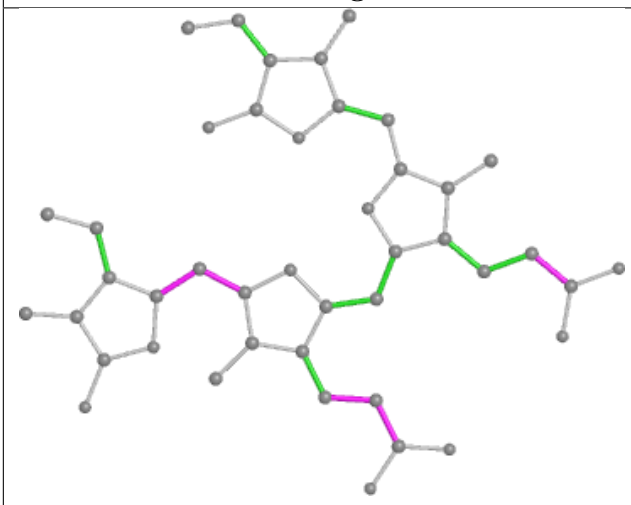

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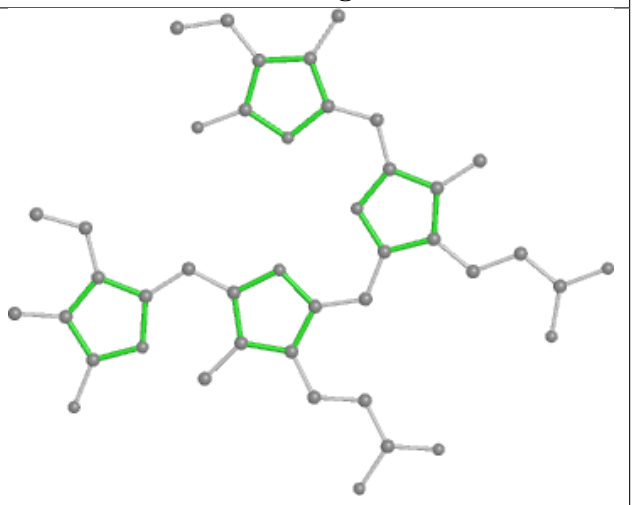
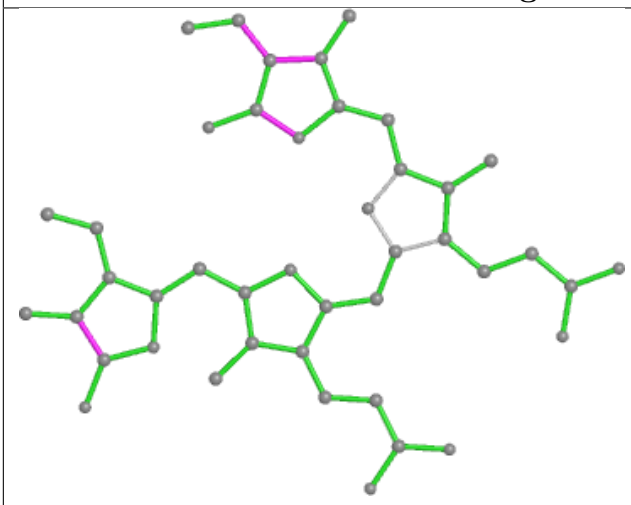


Rings

Ligand PEB ed 201



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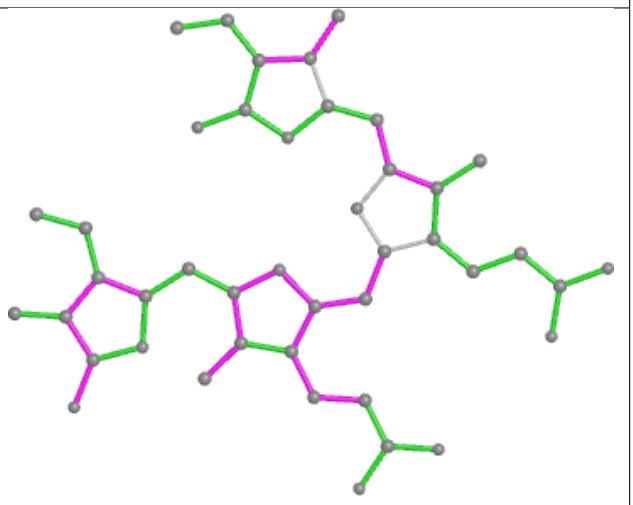

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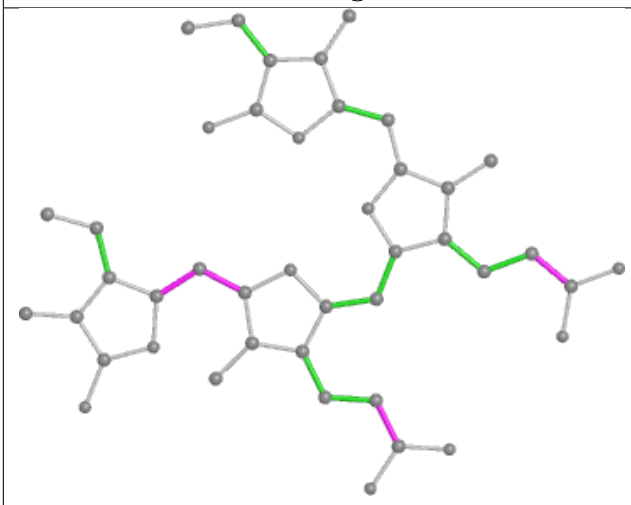

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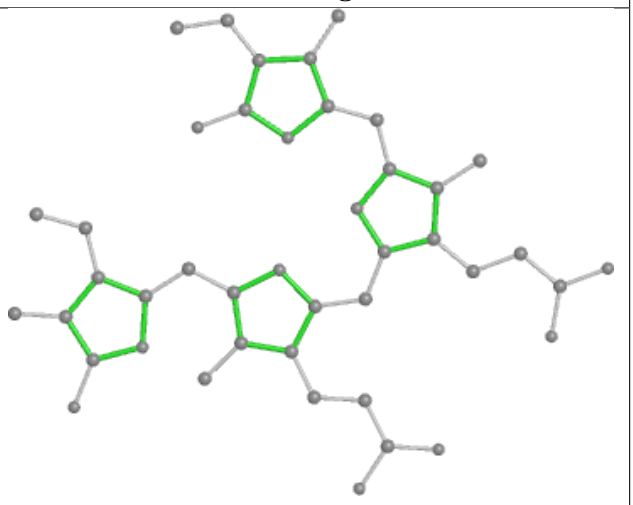

Rings

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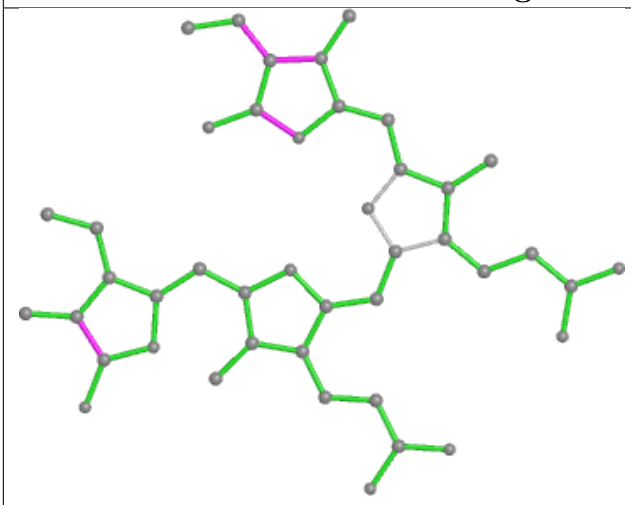

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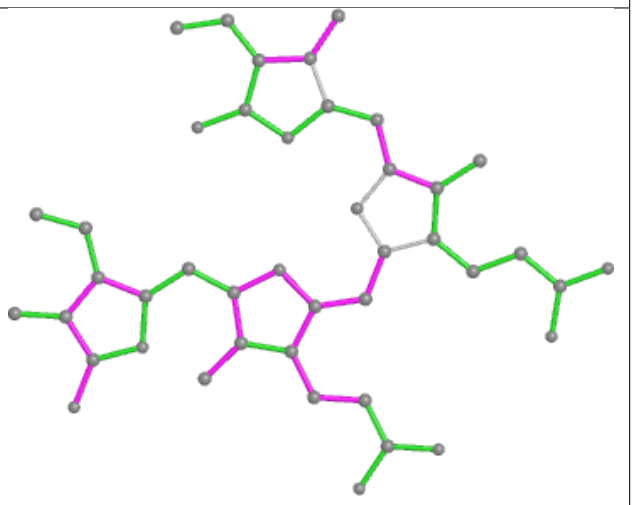

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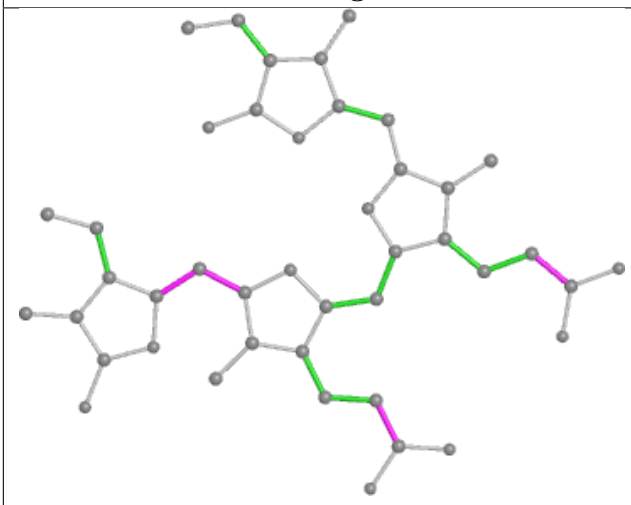

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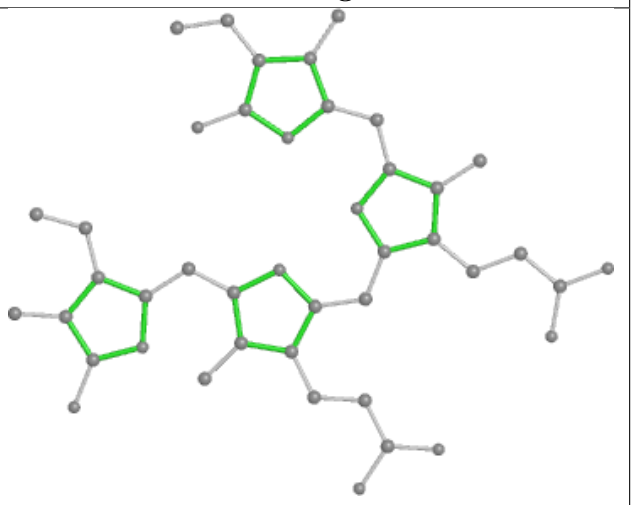
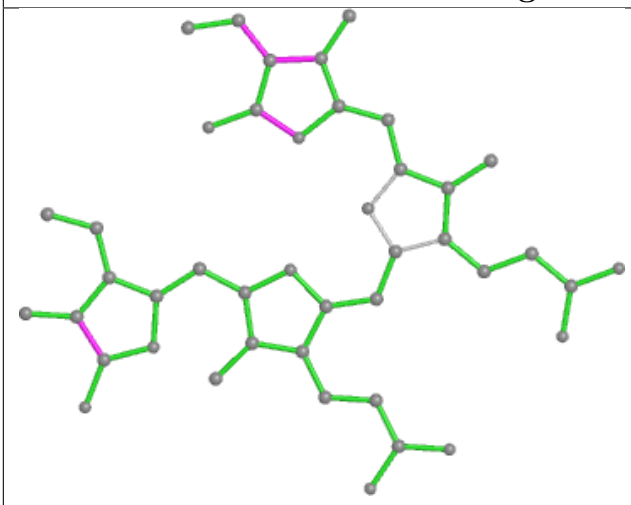


Rings

Ligand PEB dx 402



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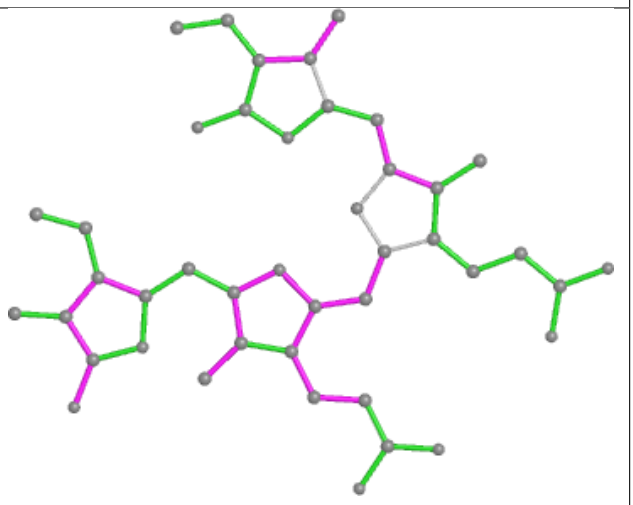

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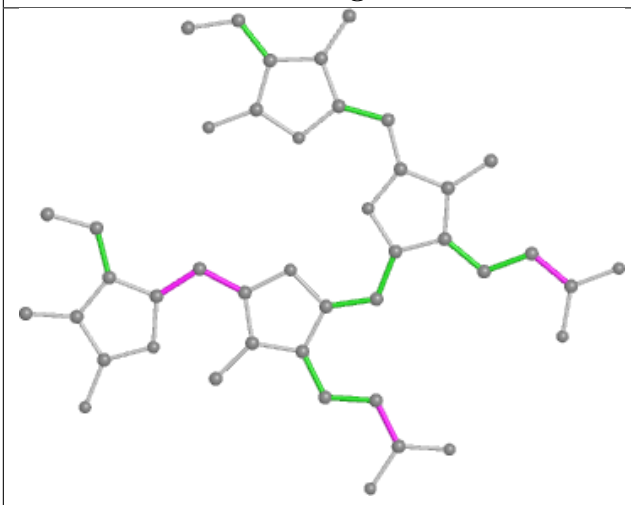

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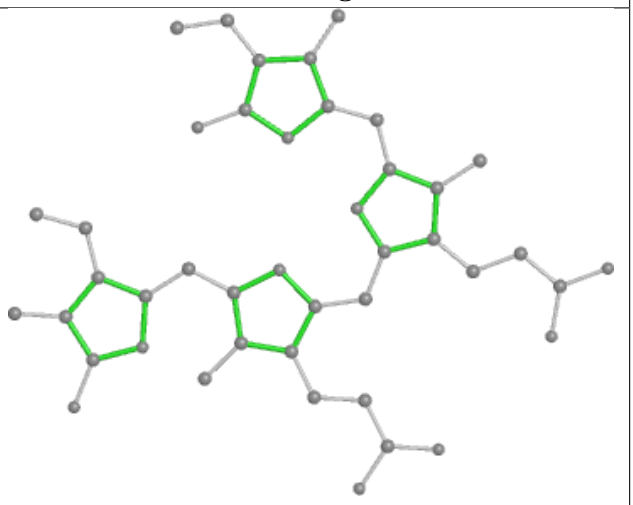
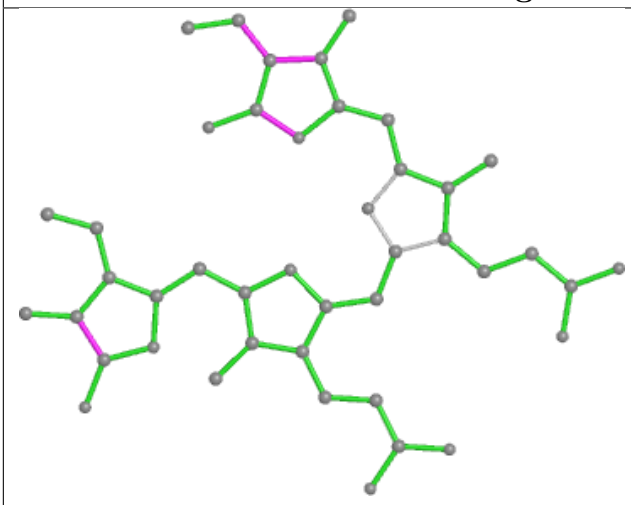


Rings

Ligand PEB dT 202



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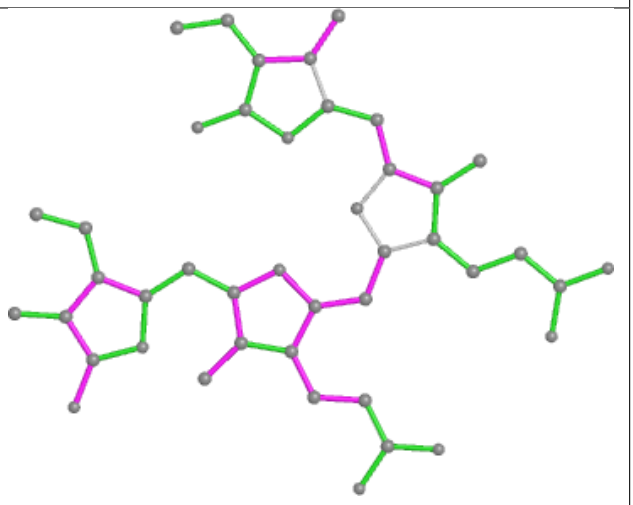

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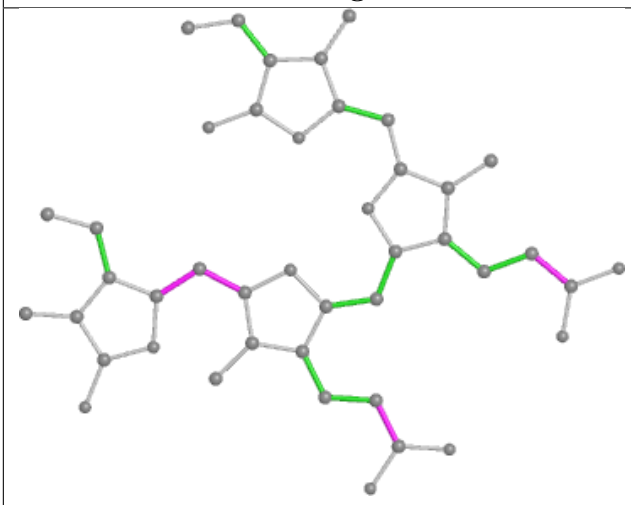
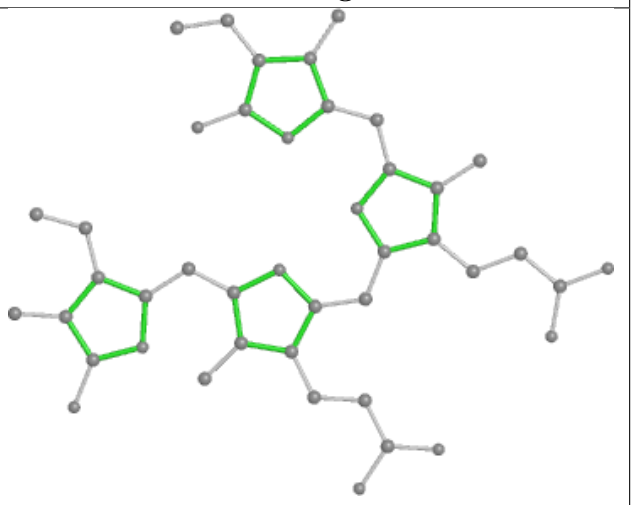
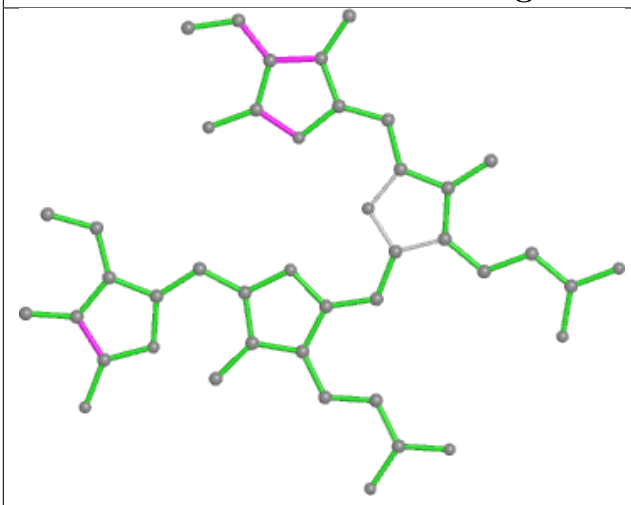


Torsions



Rings

Ligand PEB aU 202



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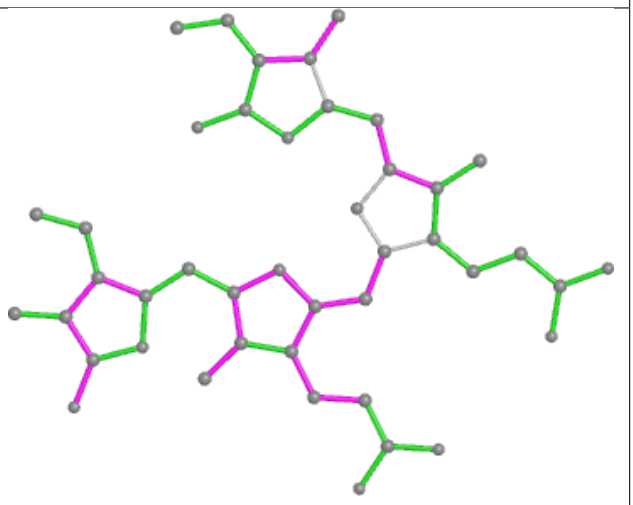

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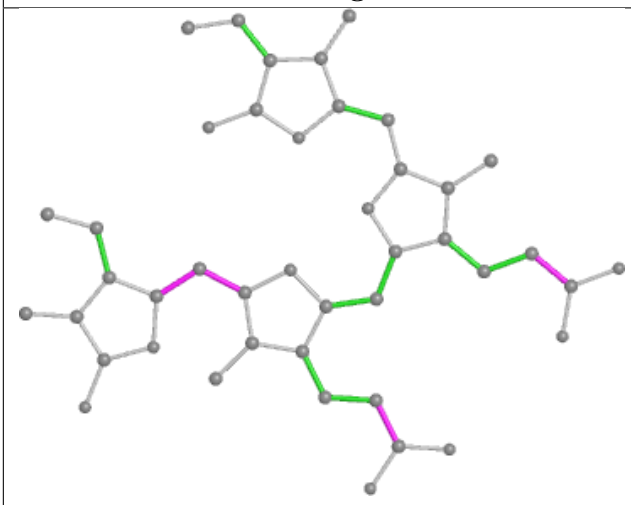

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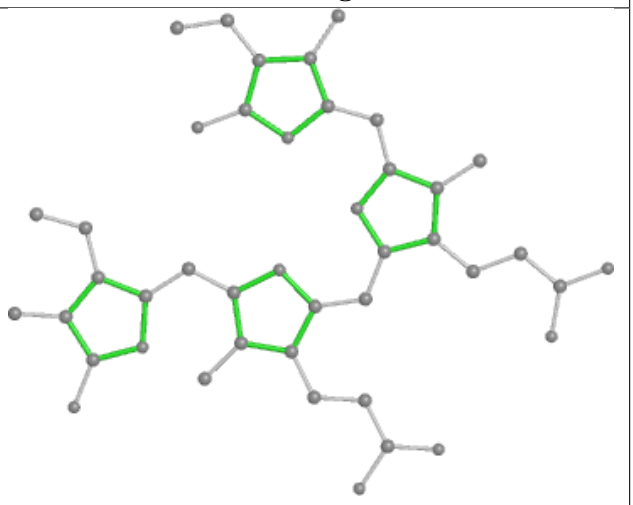
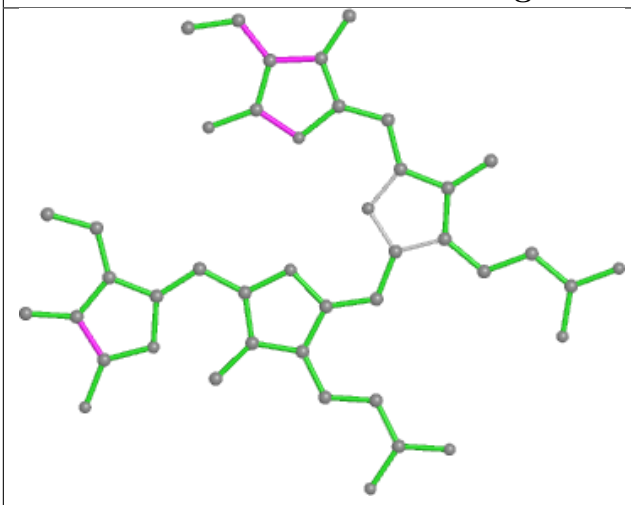


Rings

Ligand PEB dO 202



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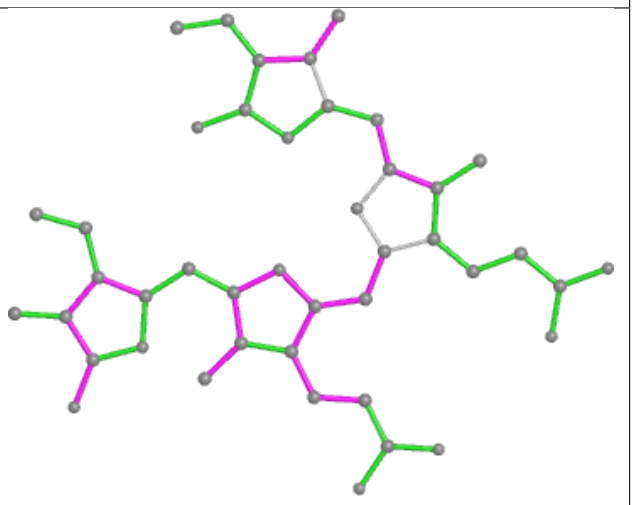

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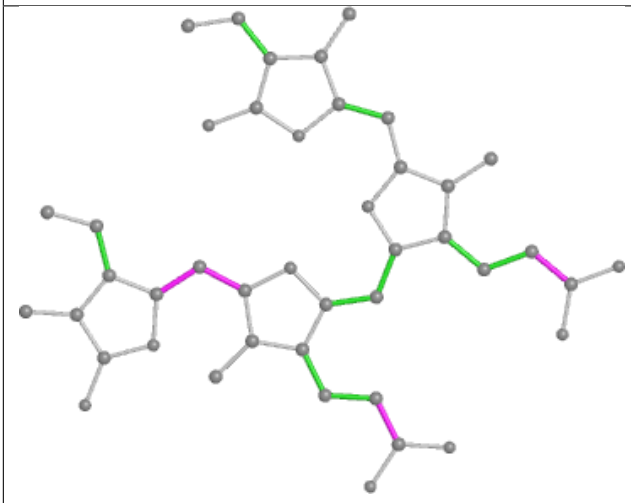

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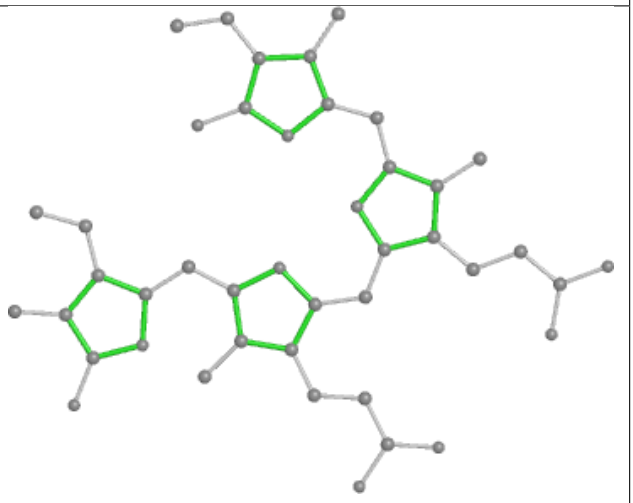
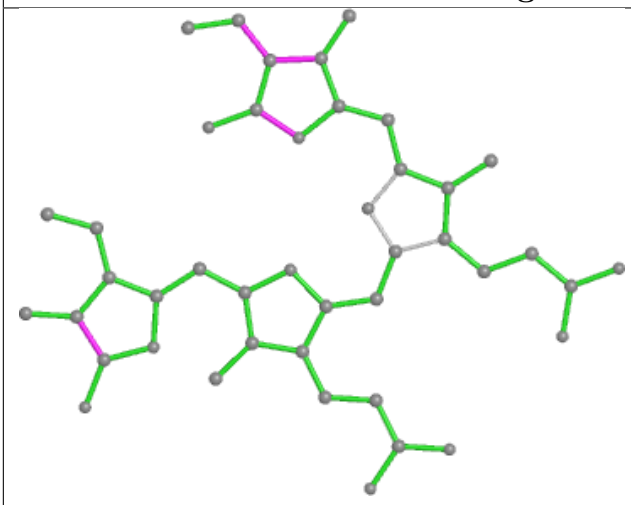


Rings

Ligand PEB F3 201



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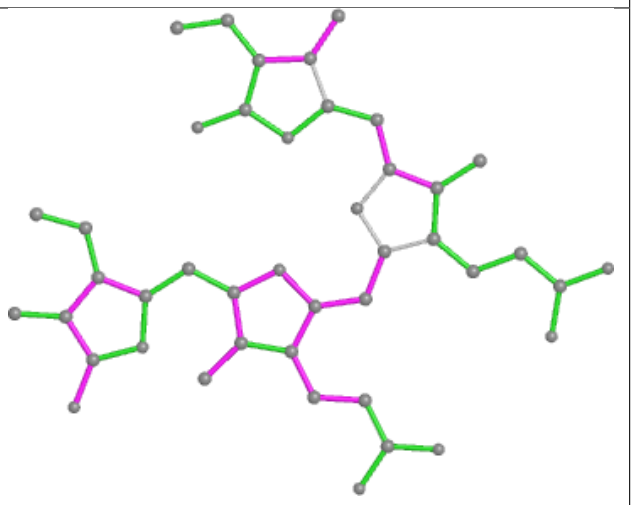

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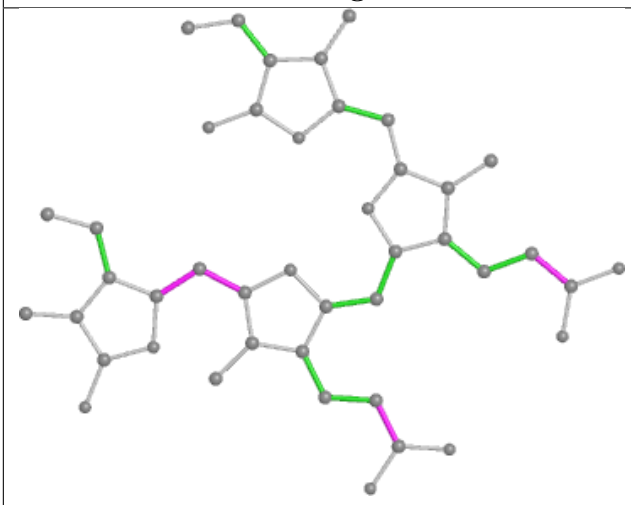

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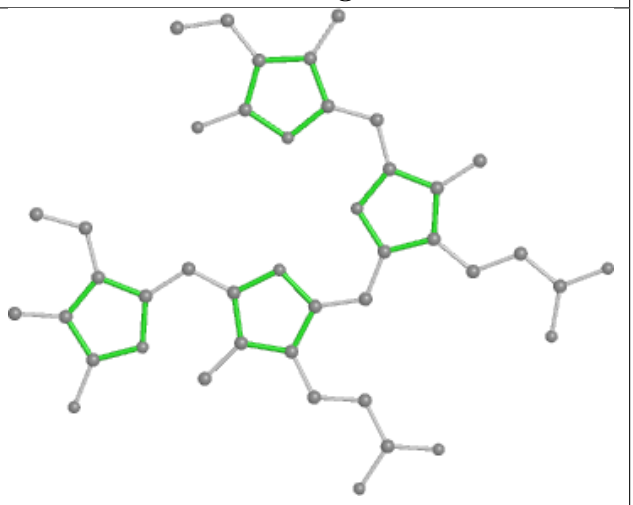
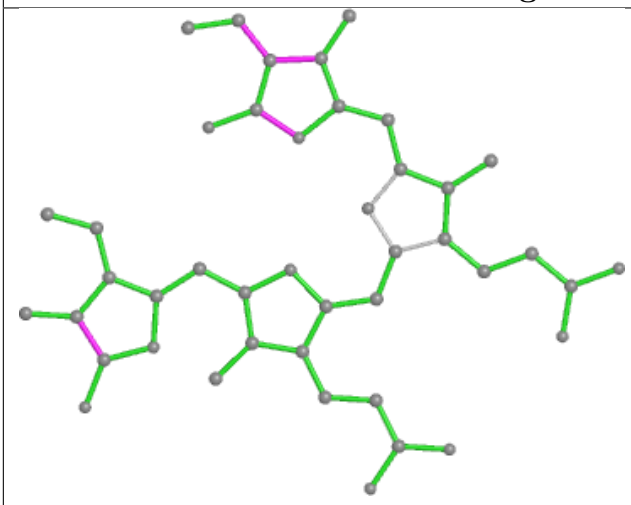


Rings

Ligand PEB x4 201



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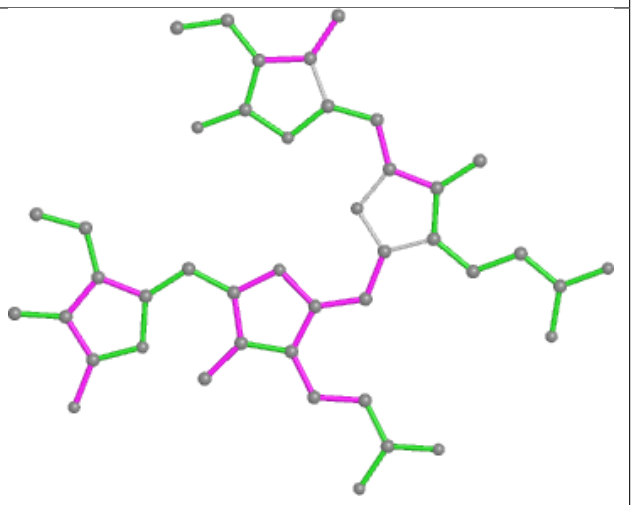

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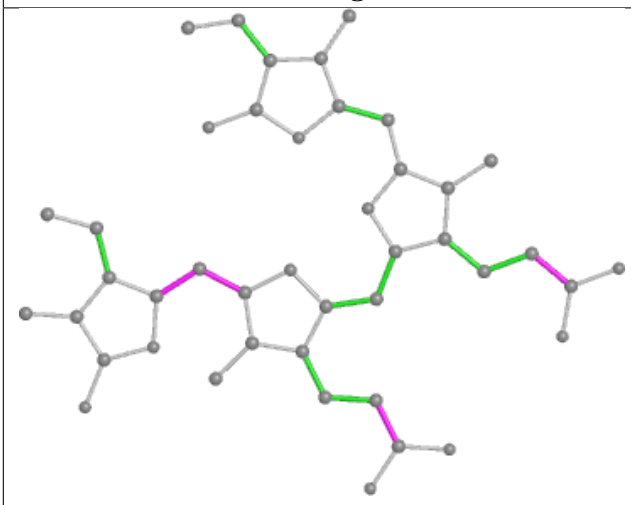

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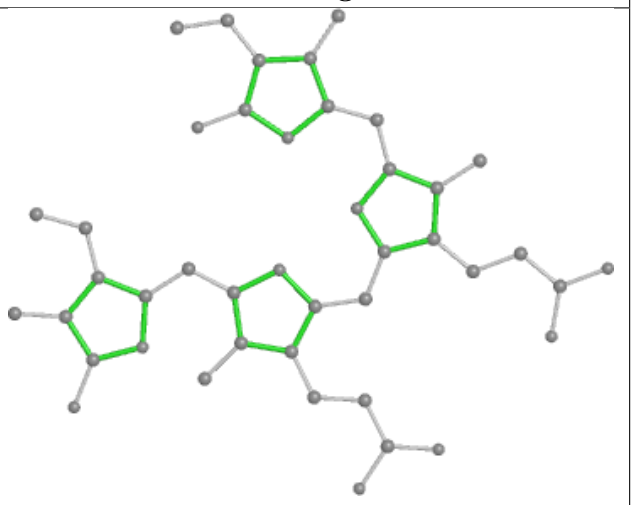
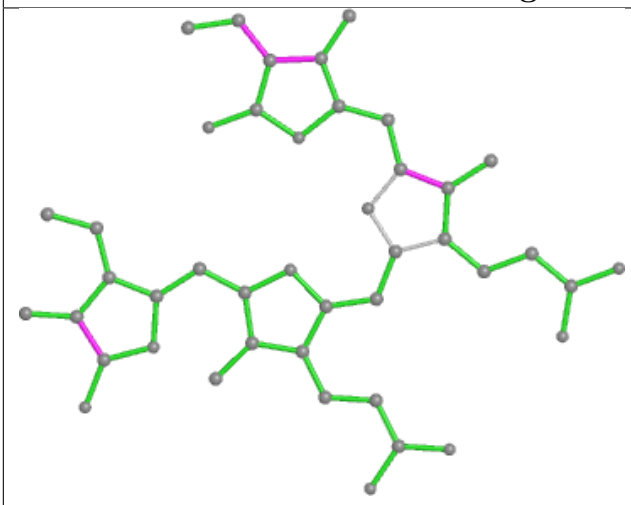


Rings

Ligand PEB o5 202



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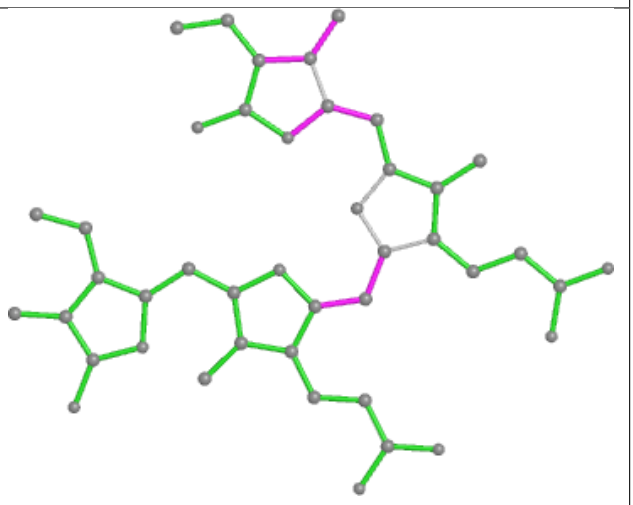

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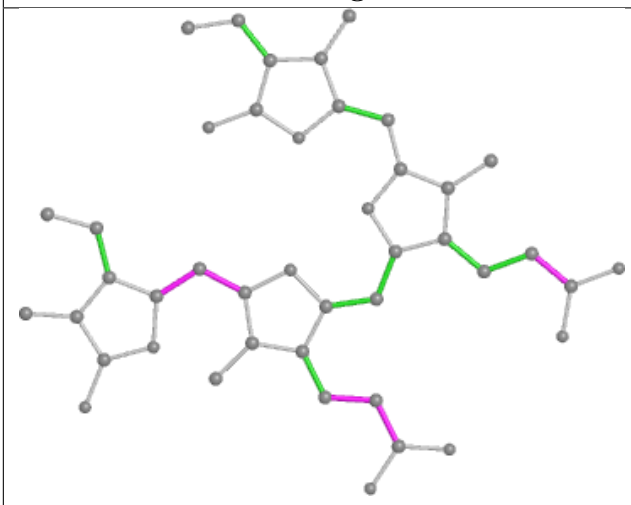

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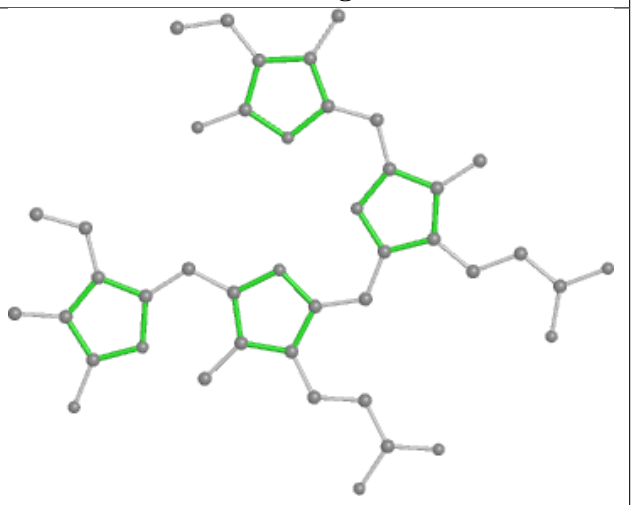
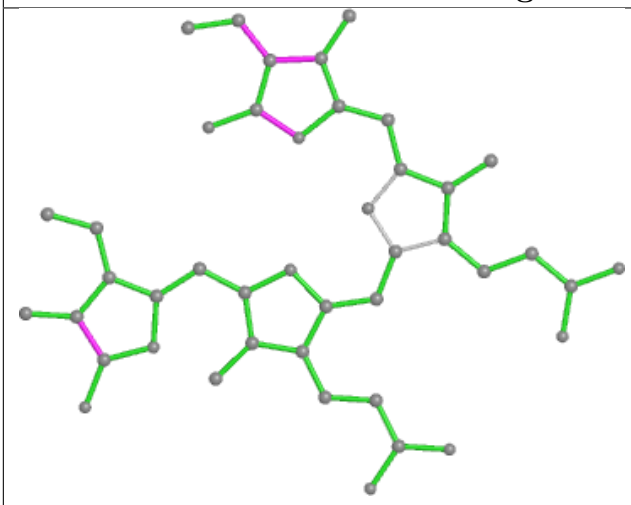


Rings

Ligand PEB T2 201



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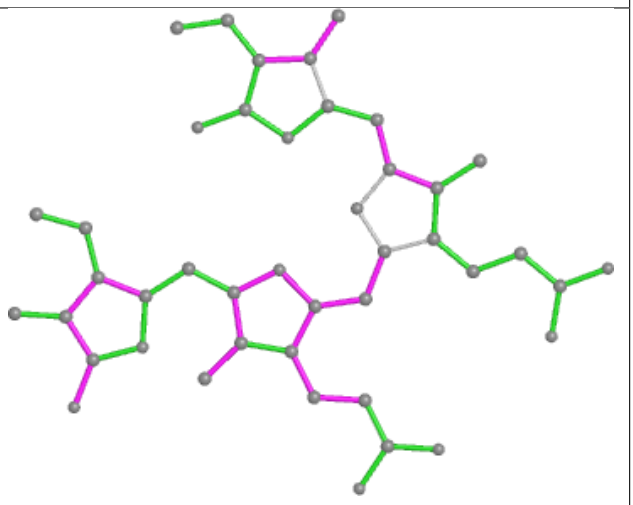

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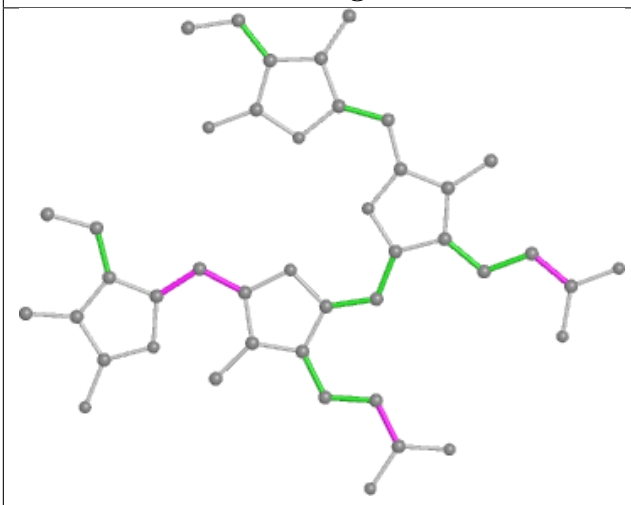

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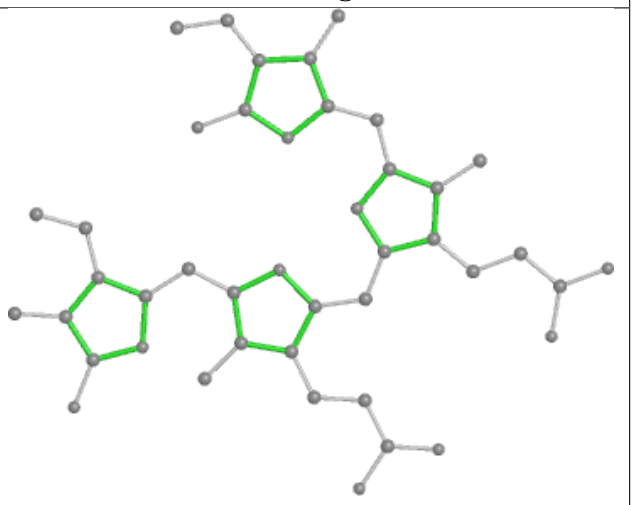

Rings

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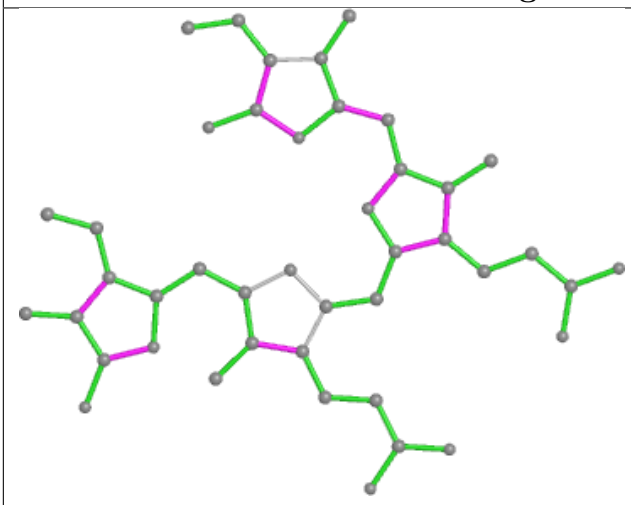

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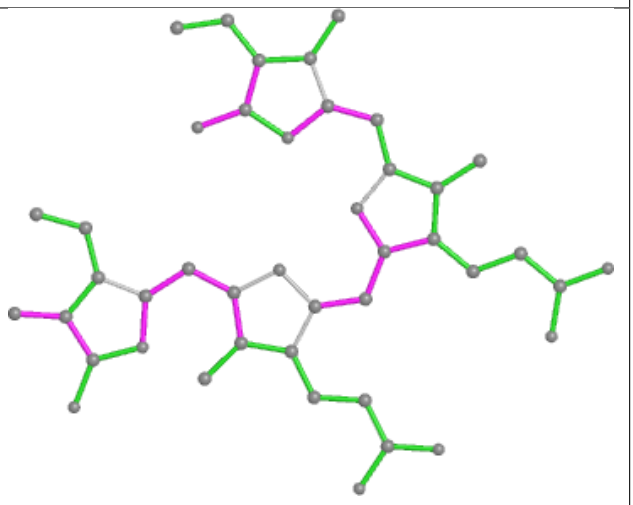

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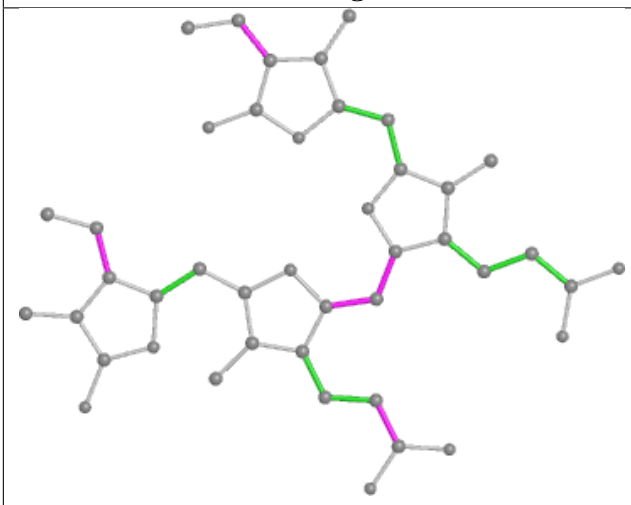

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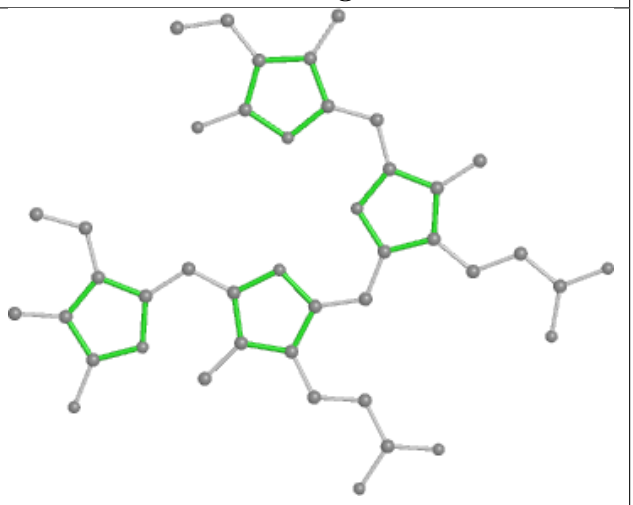

Rings

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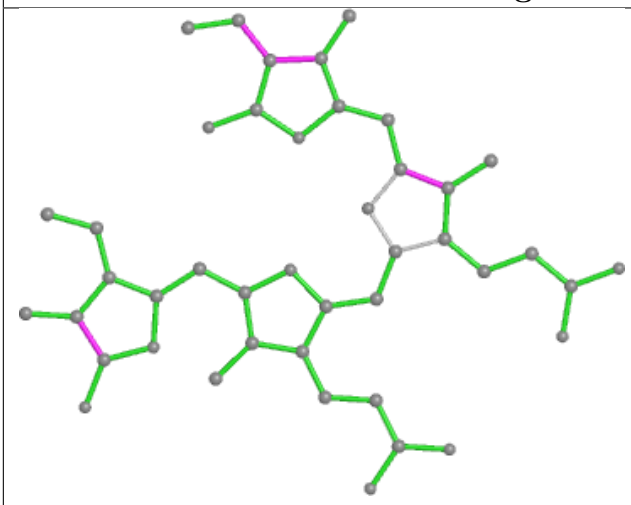

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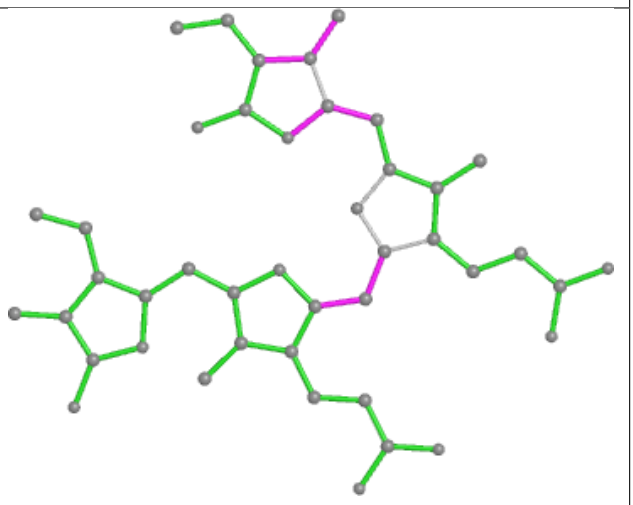

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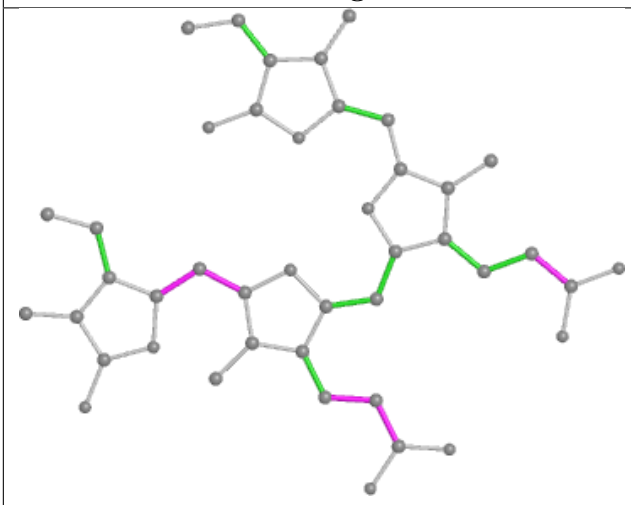

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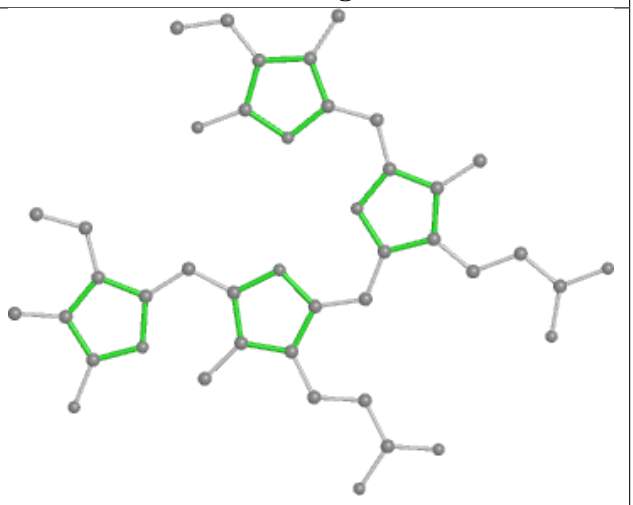

Rings

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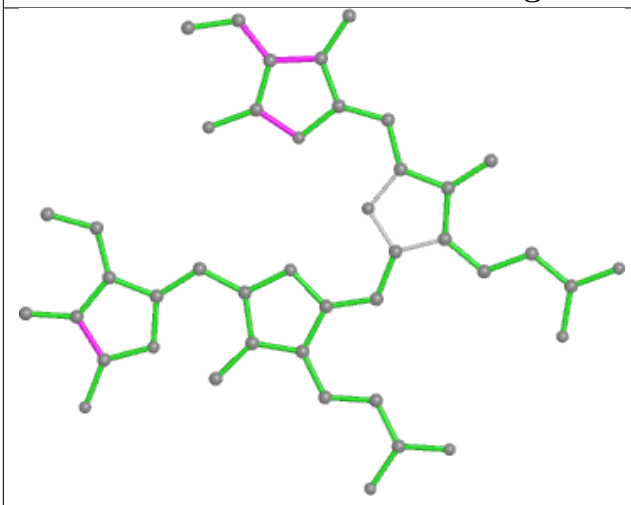

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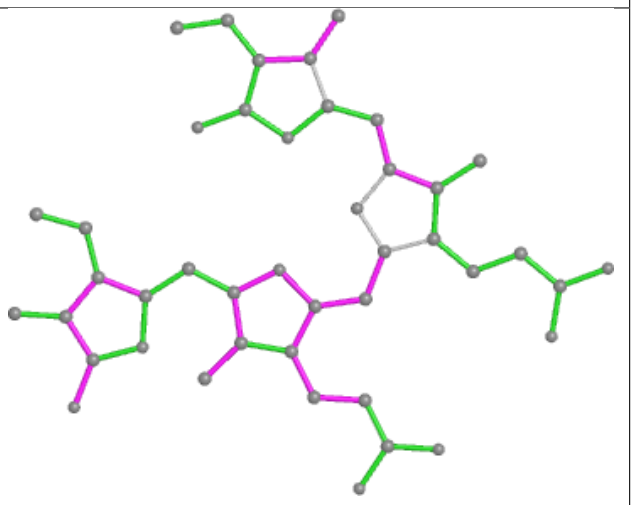

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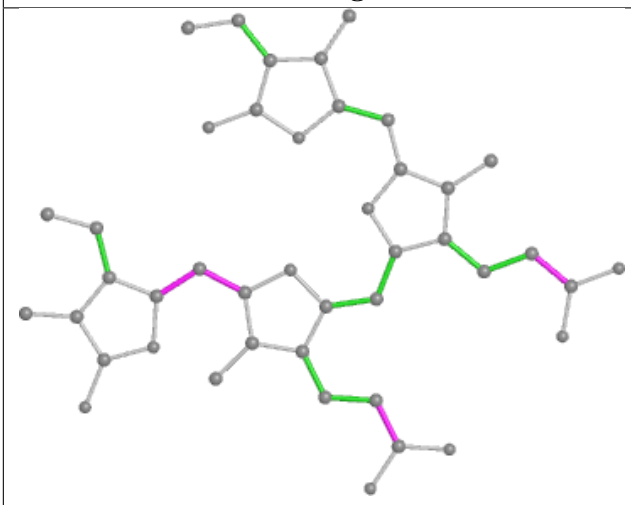

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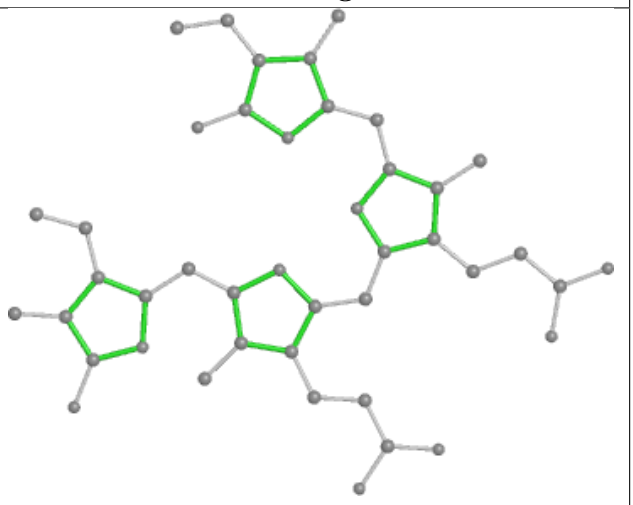

Rings

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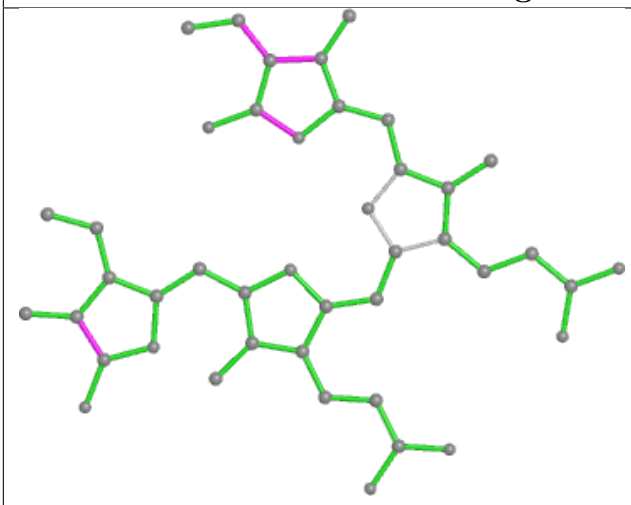

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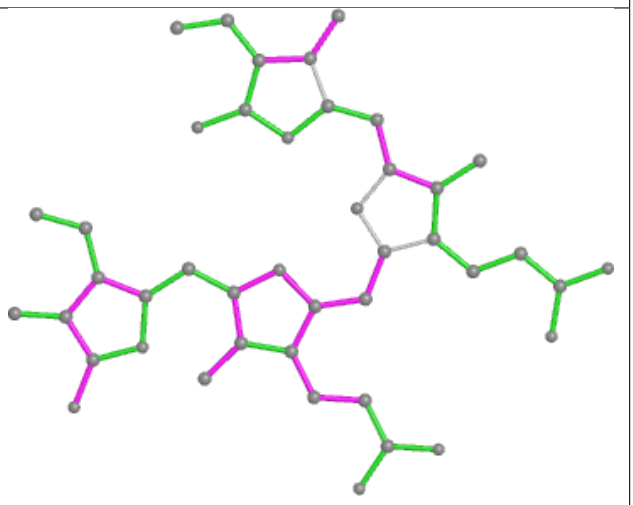

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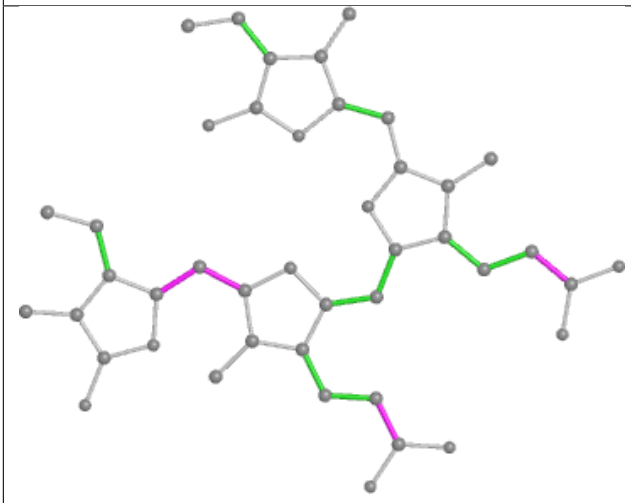

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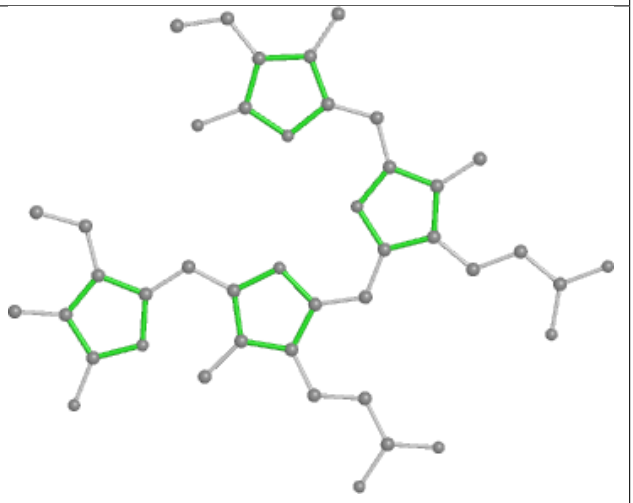
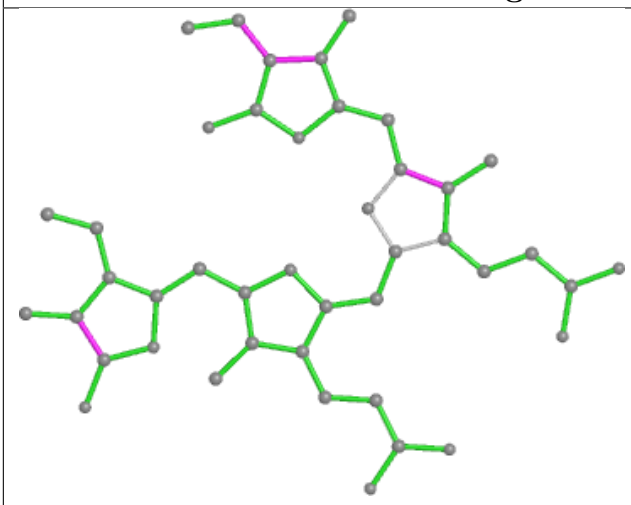


Rings

Ligand PEB cm 1002



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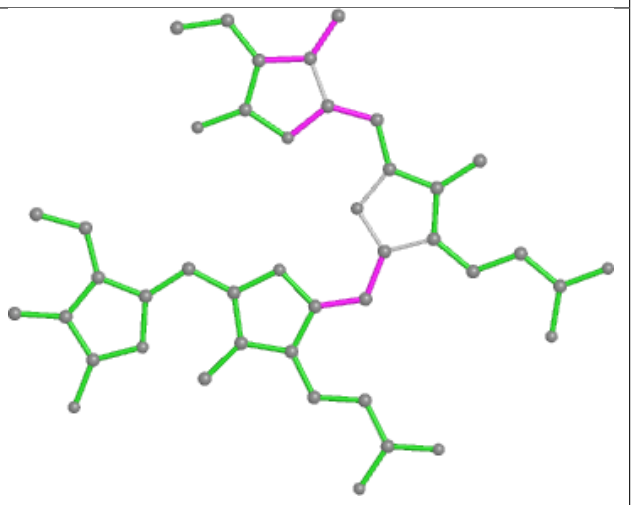

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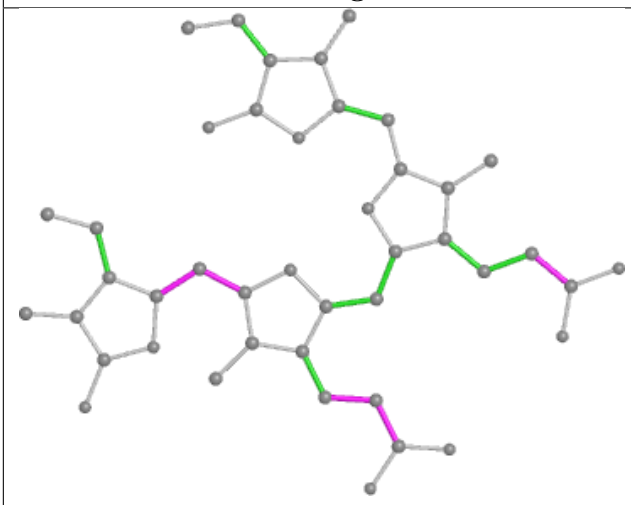

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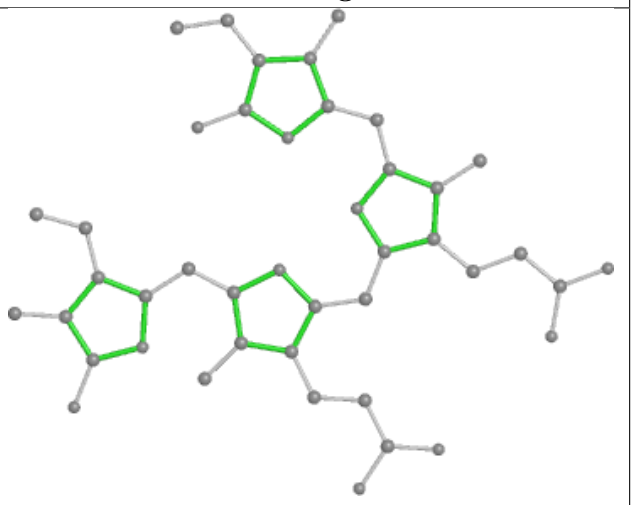

Rings

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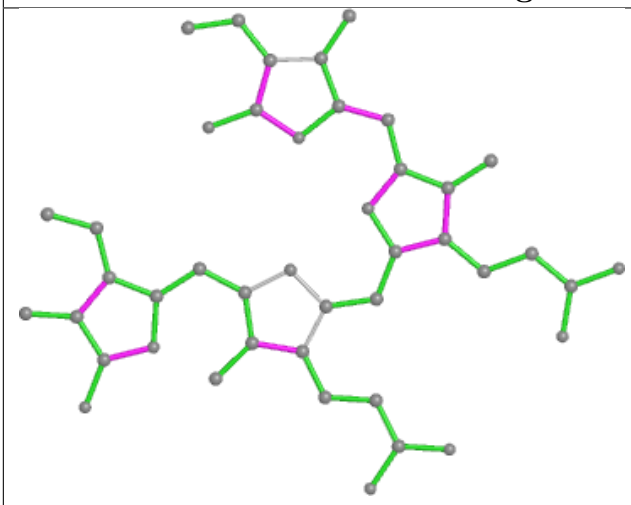

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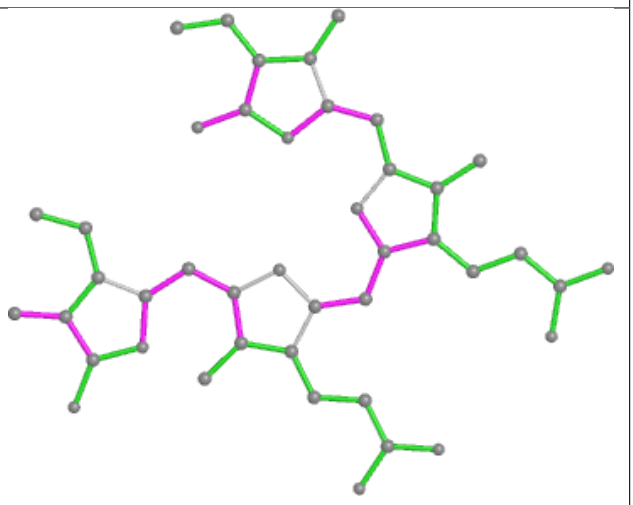

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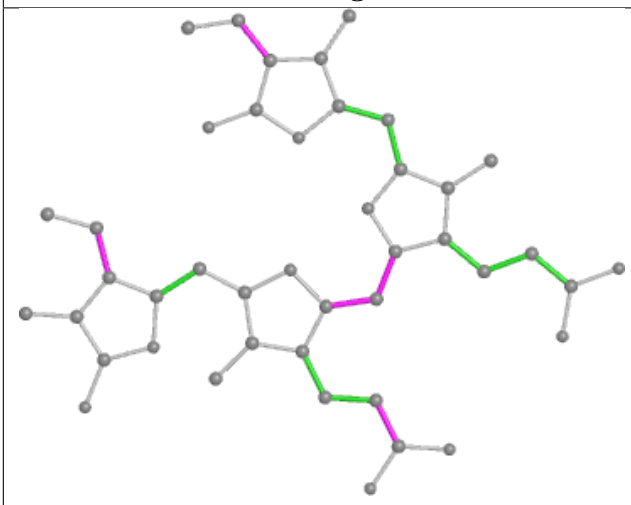

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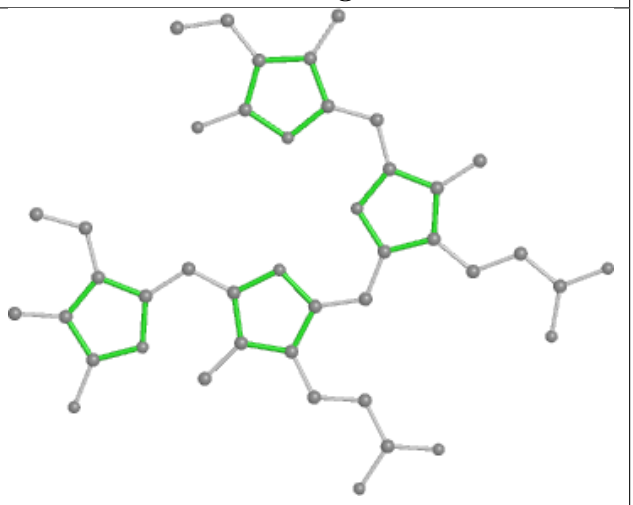
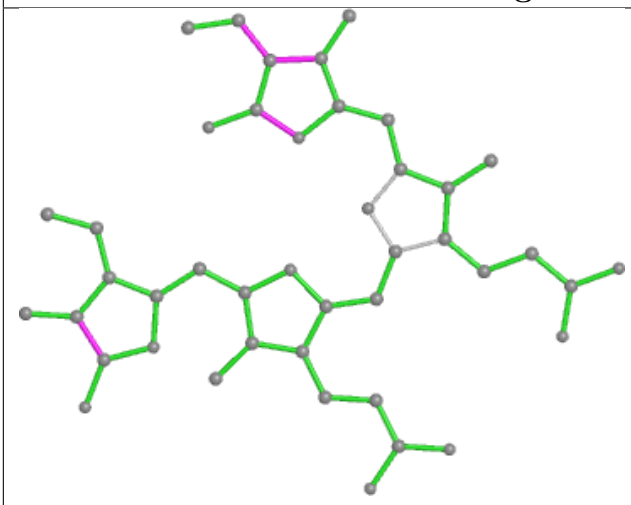


Rings

Ligand PEB K6 202



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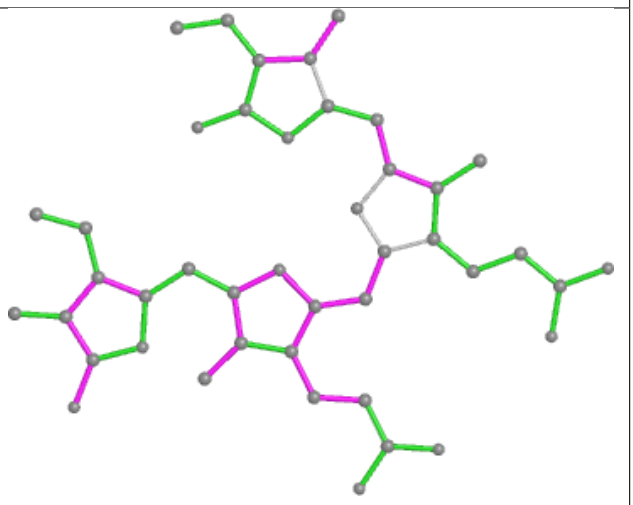

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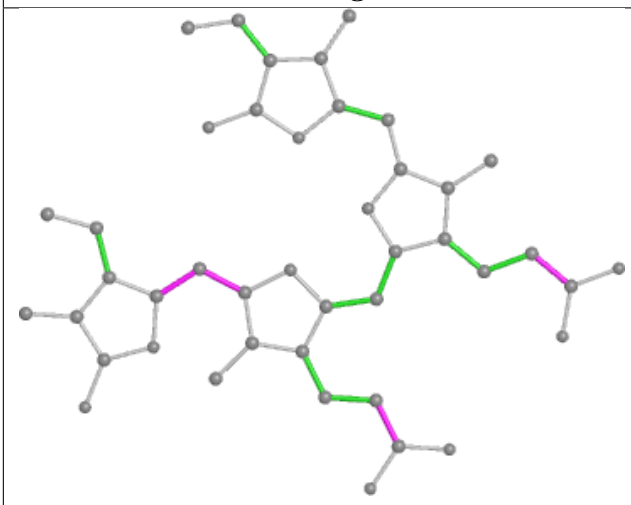

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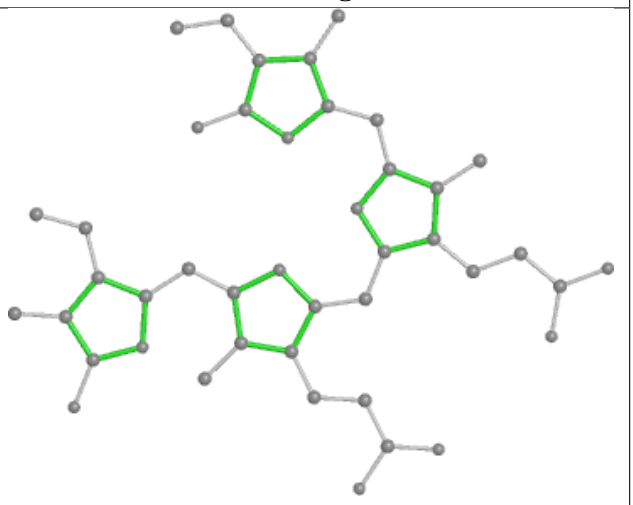
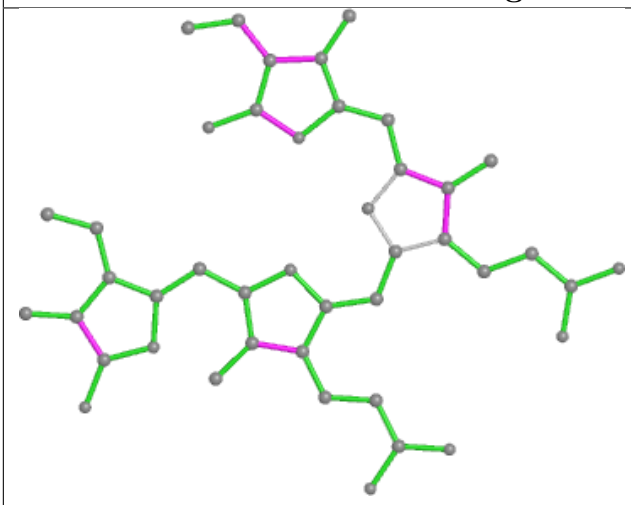


Rings

Ligand PEB kU 1002



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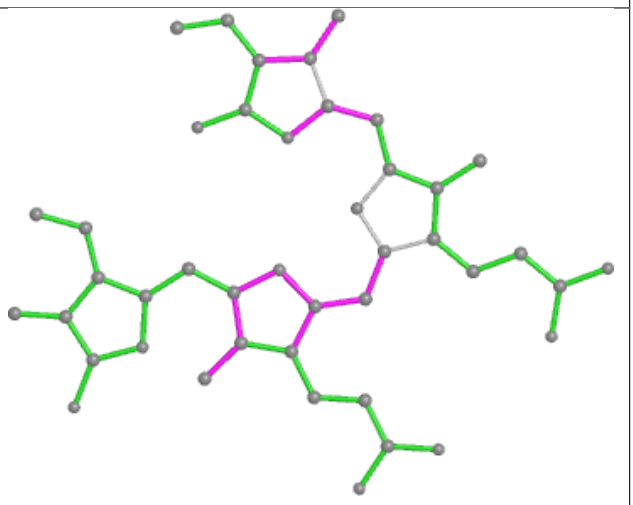

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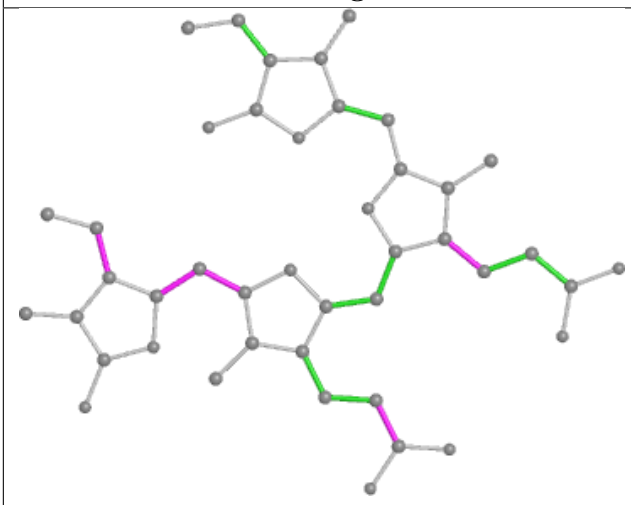
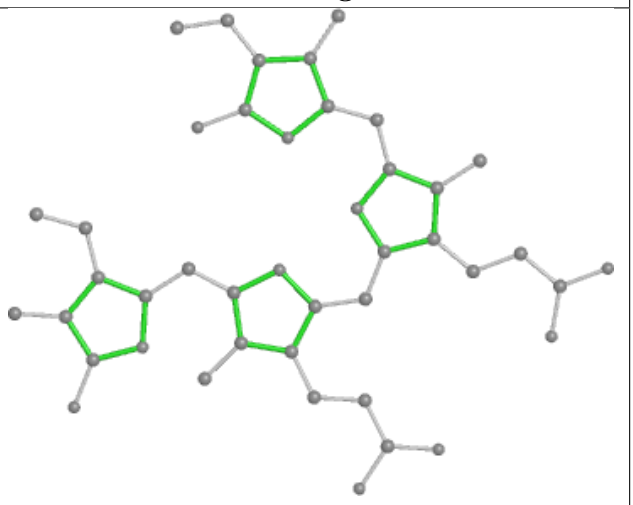
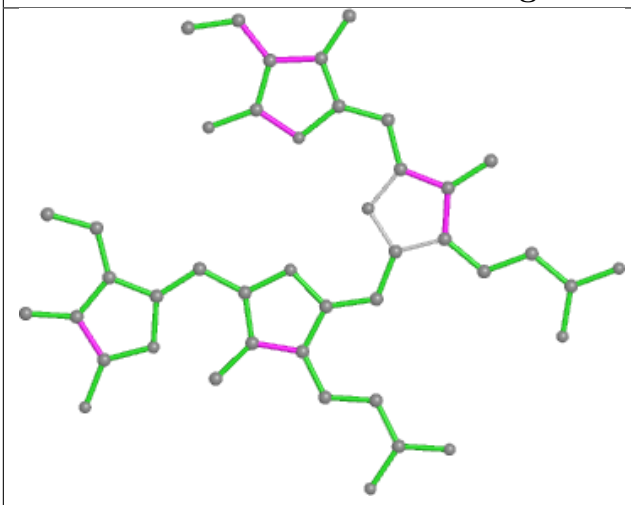


Torsions



Rings

Ligand PEB v4 202



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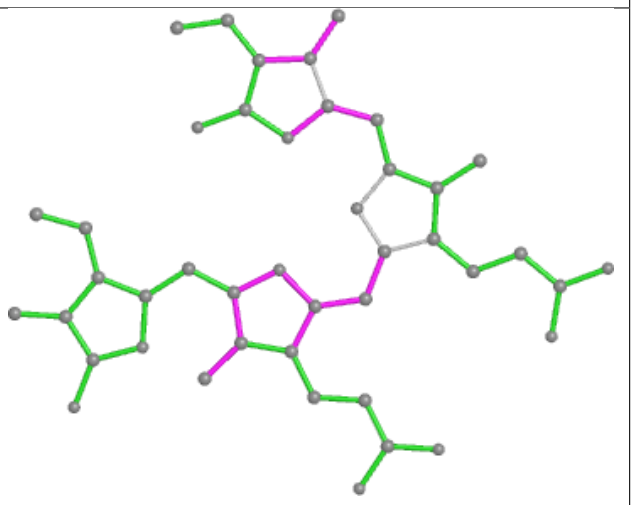

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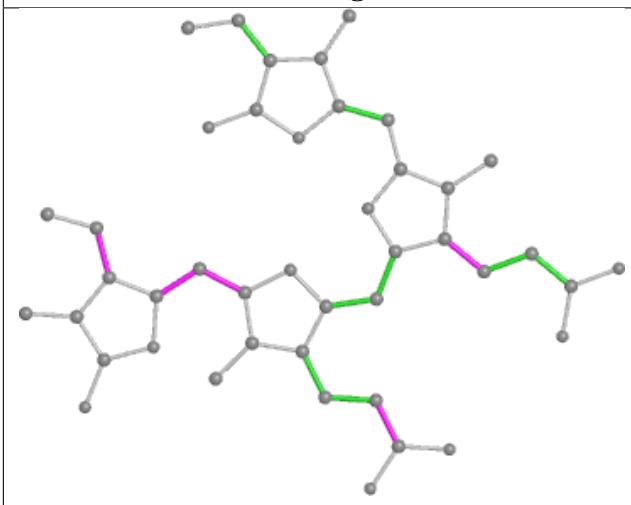

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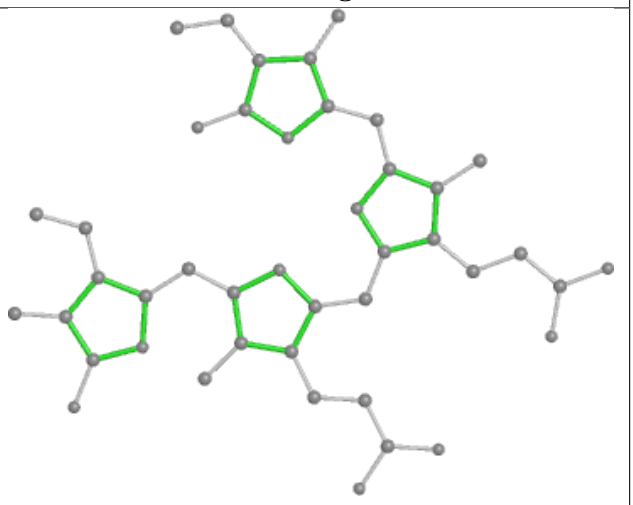

Rings

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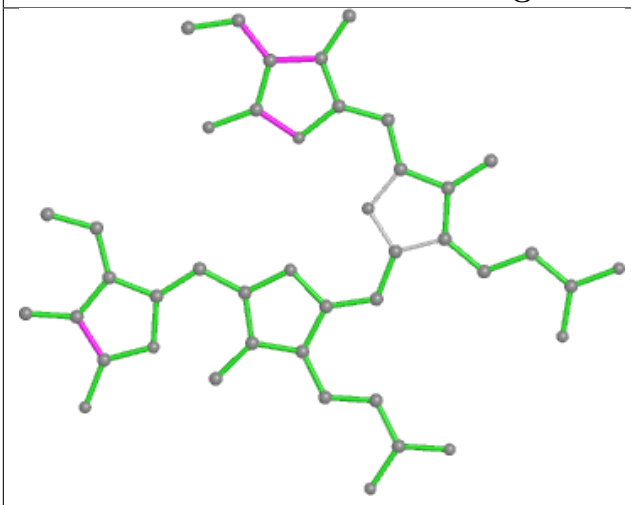

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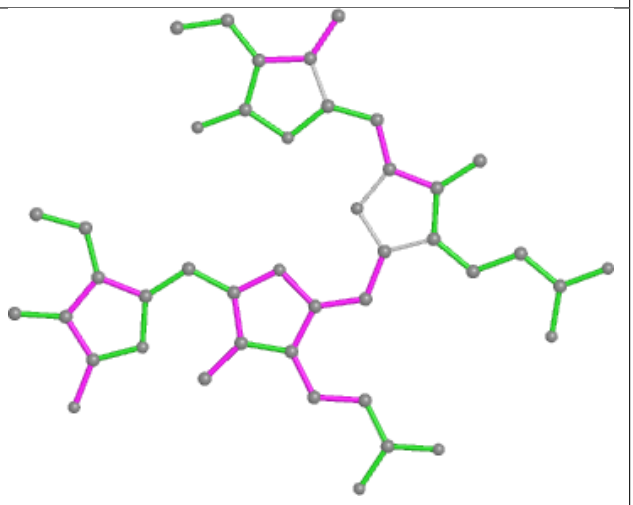

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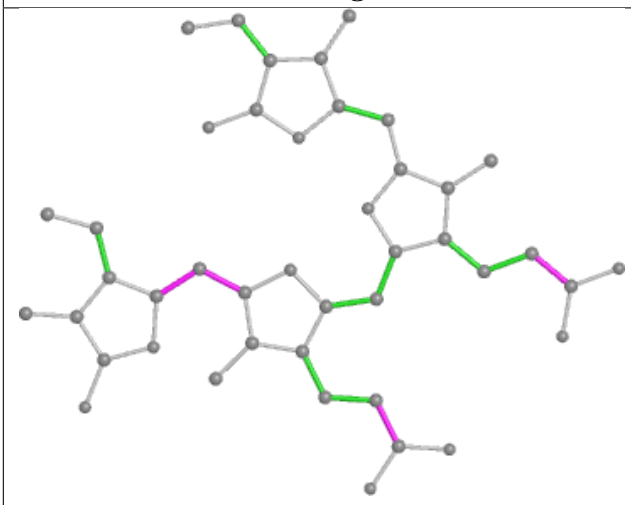

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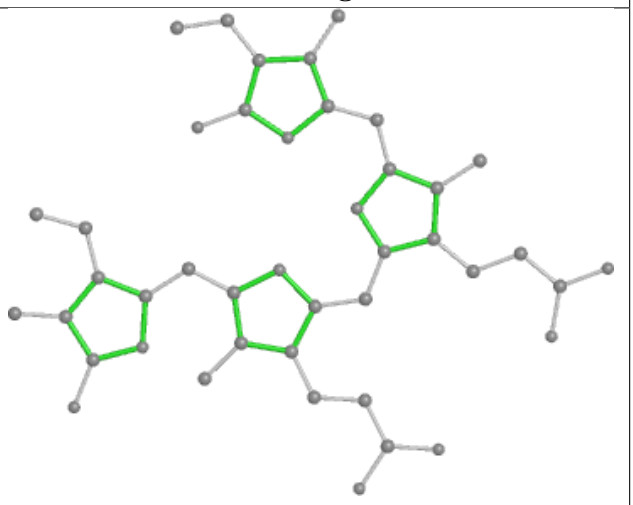

Rings

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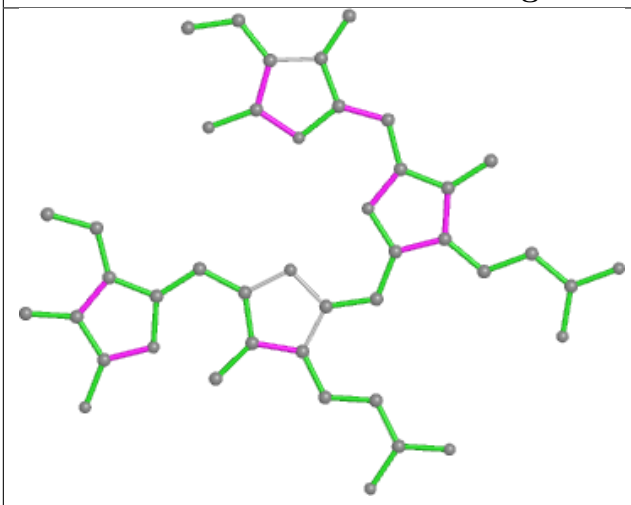

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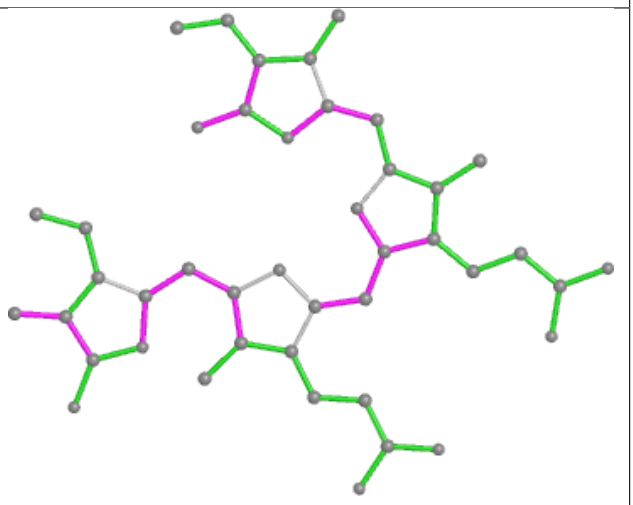

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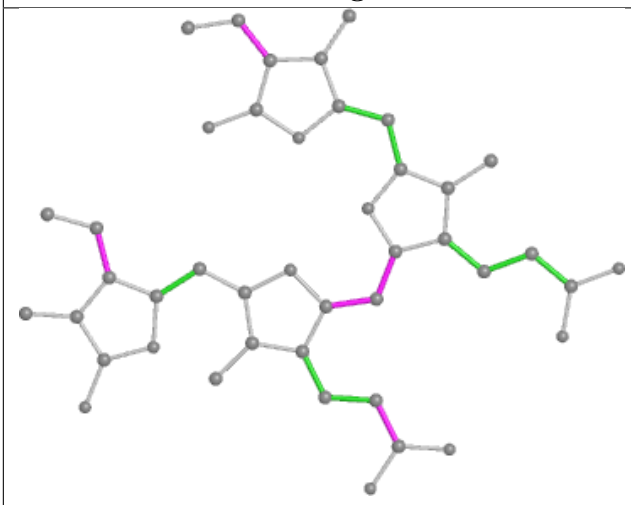

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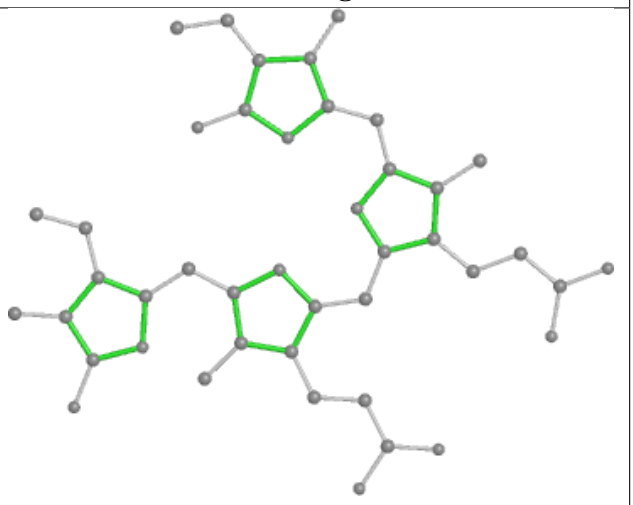

Rings

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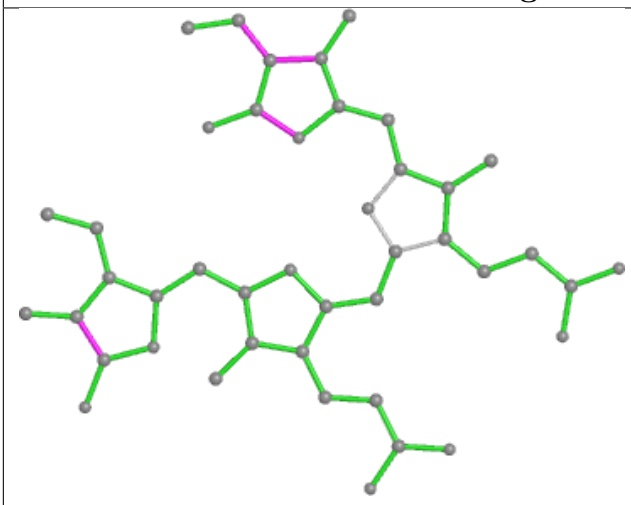

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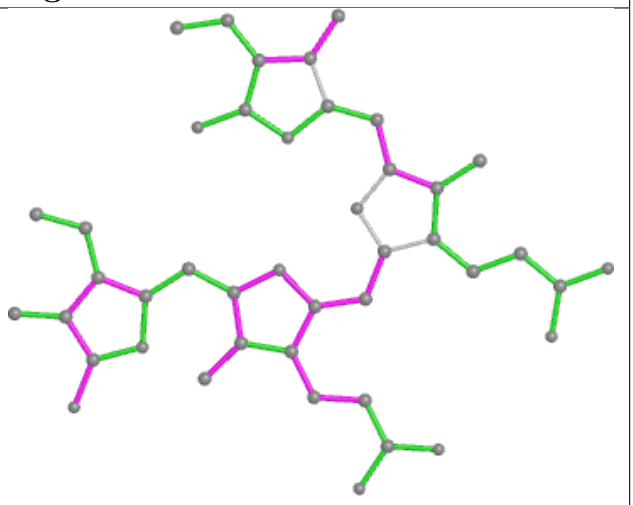

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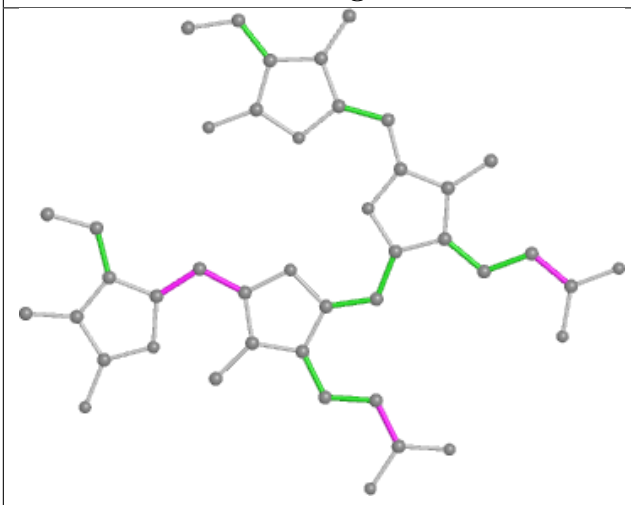

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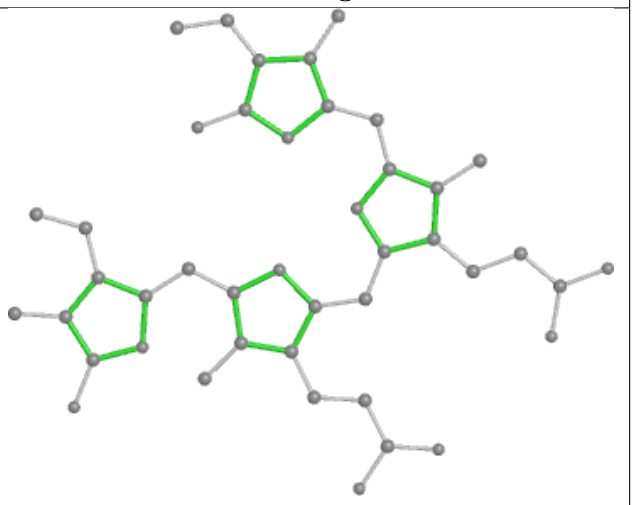

Rings

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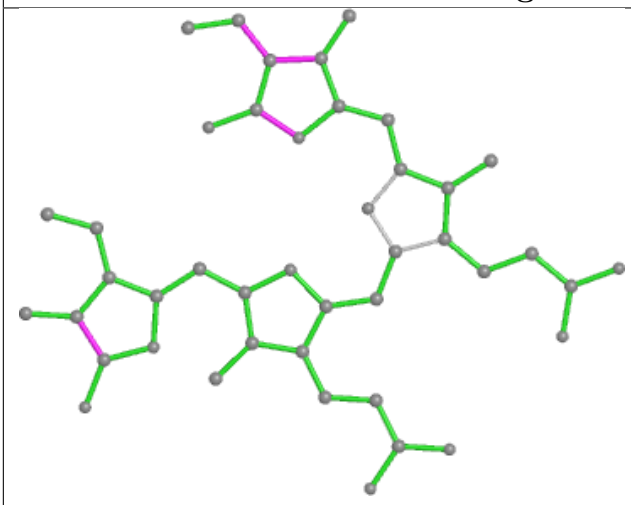

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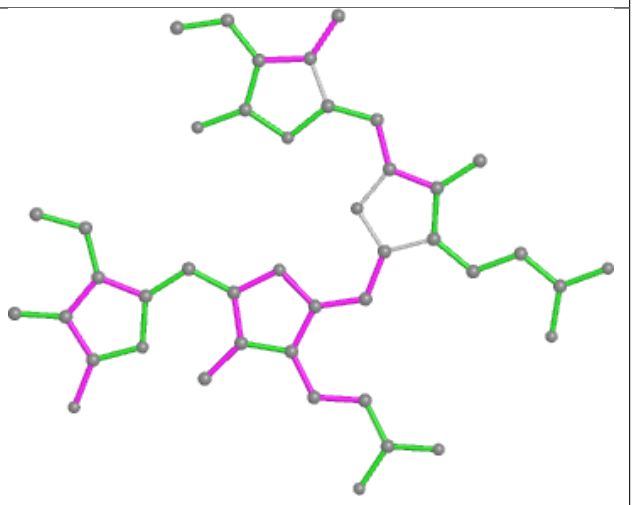

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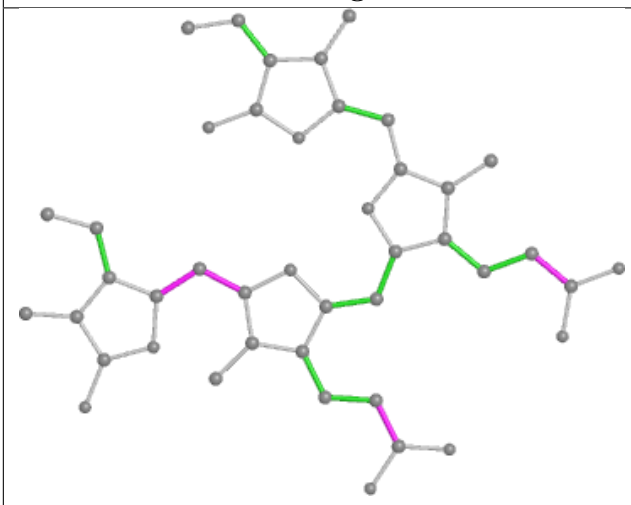

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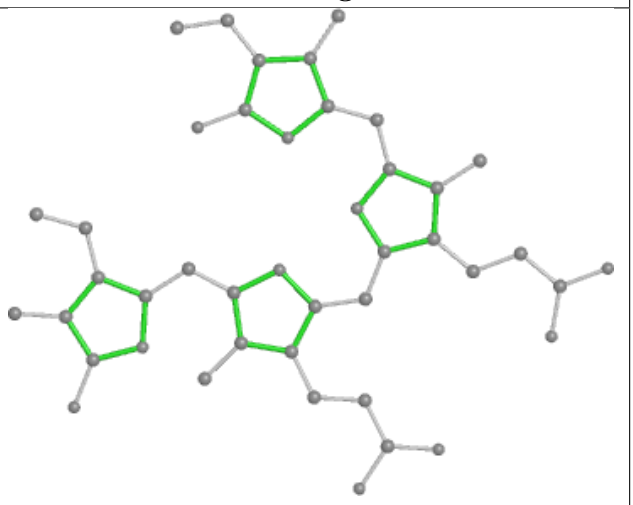

Rings

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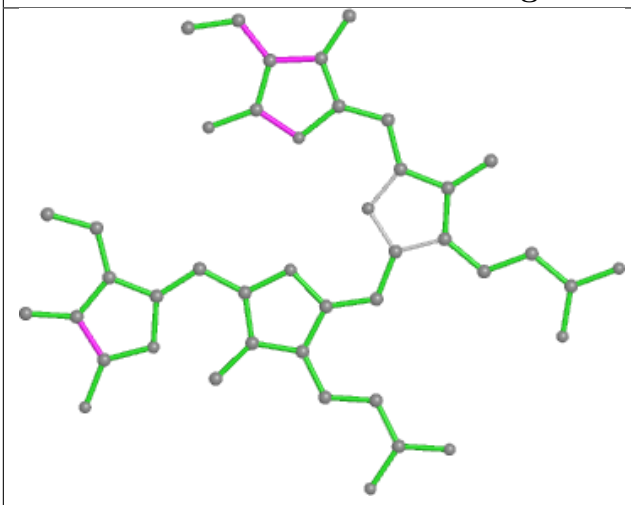

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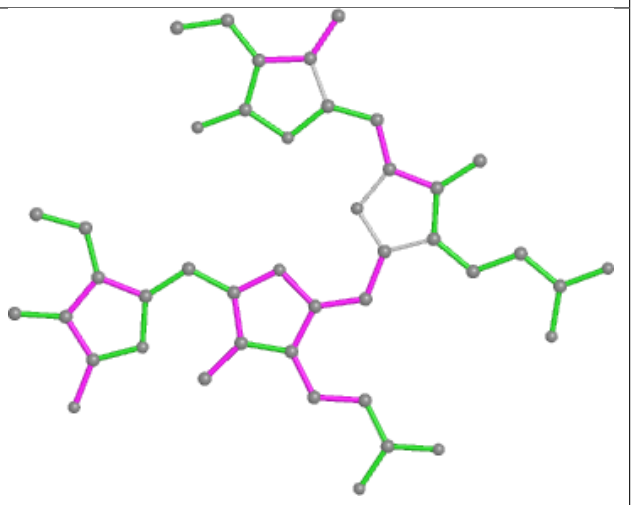

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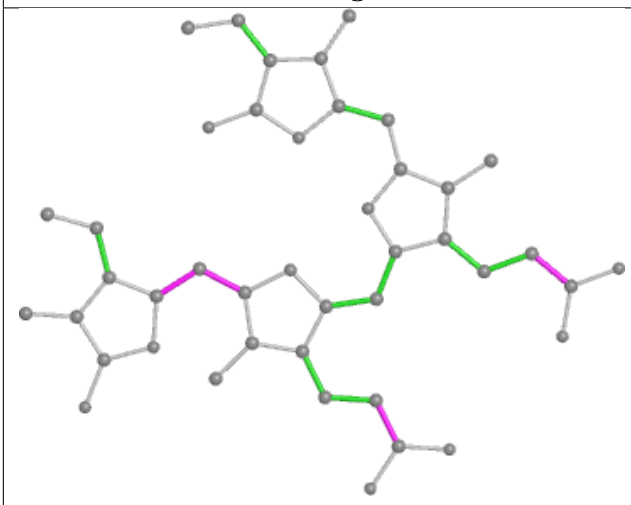

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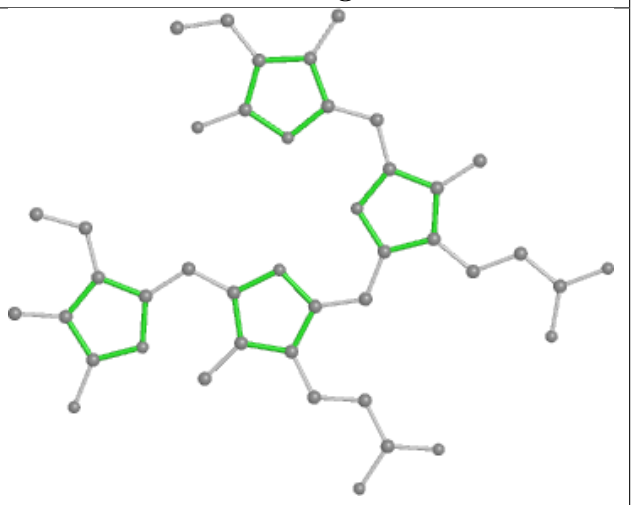

Rings

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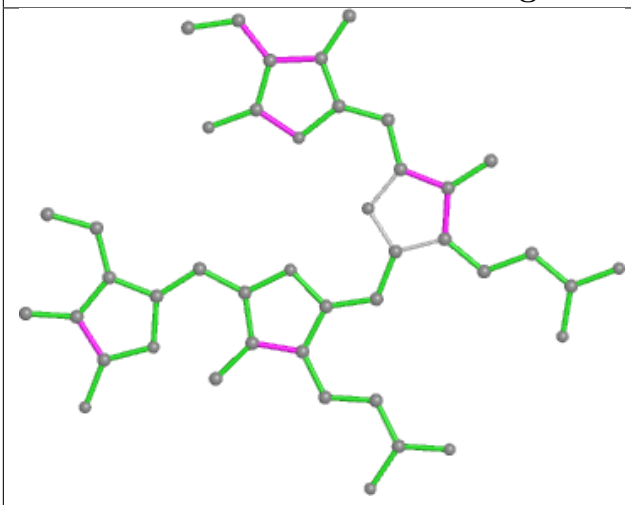

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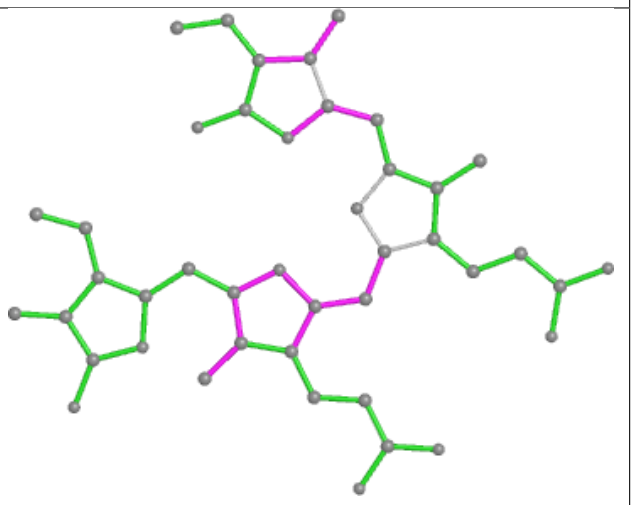

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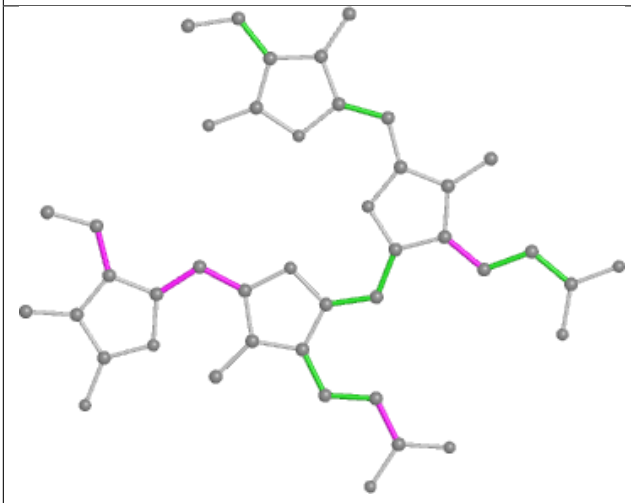

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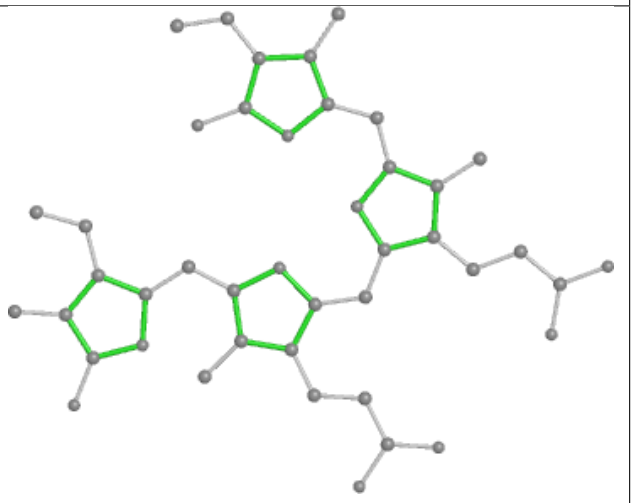

Rings

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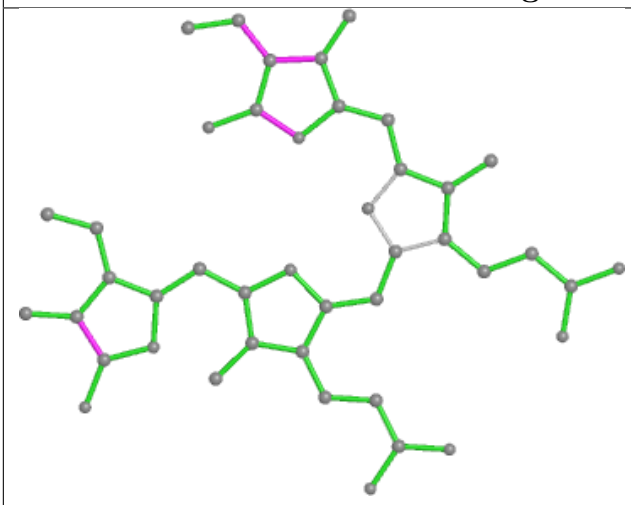

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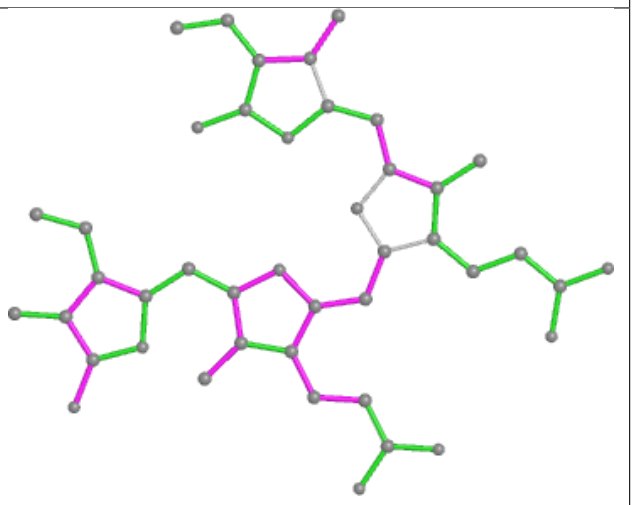

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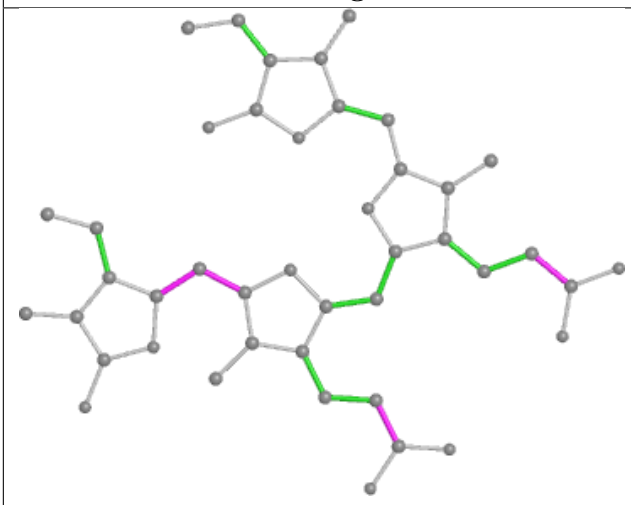

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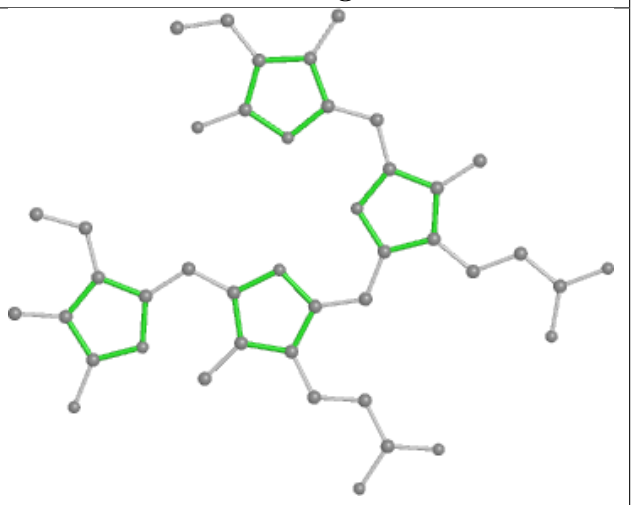

Rings

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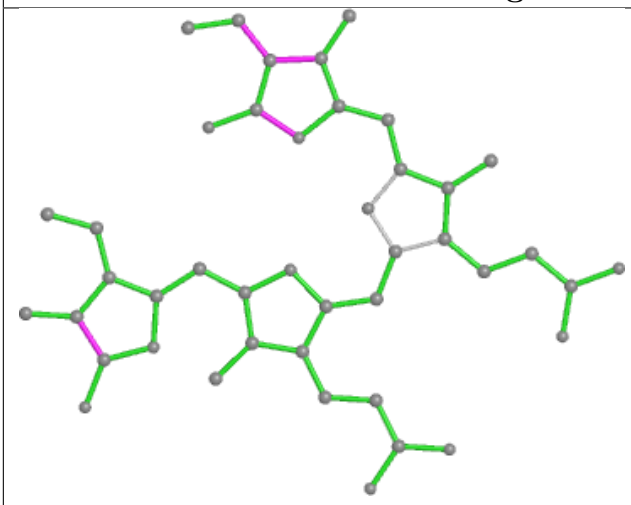

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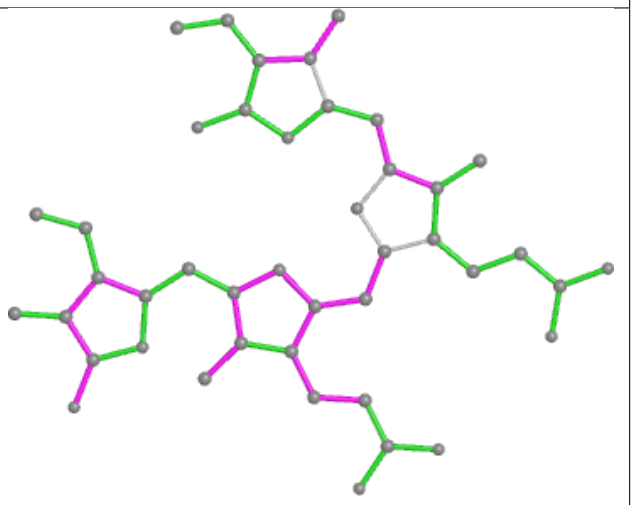

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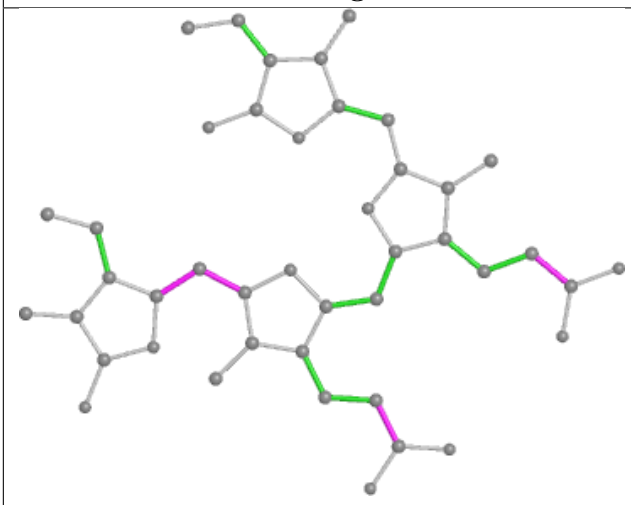

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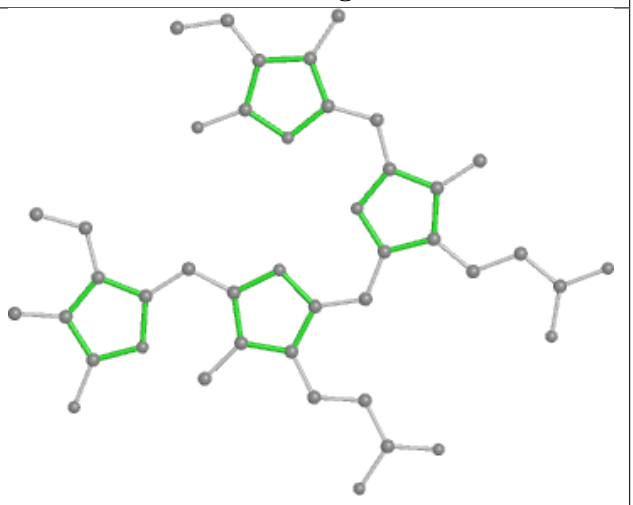
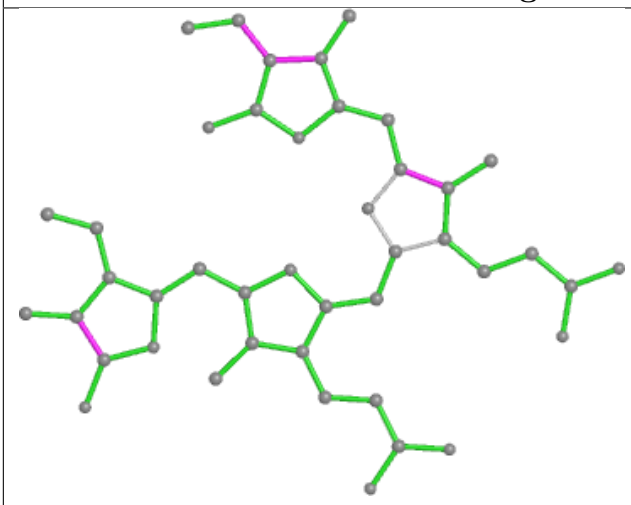


Rings

Ligand PEB eh 202



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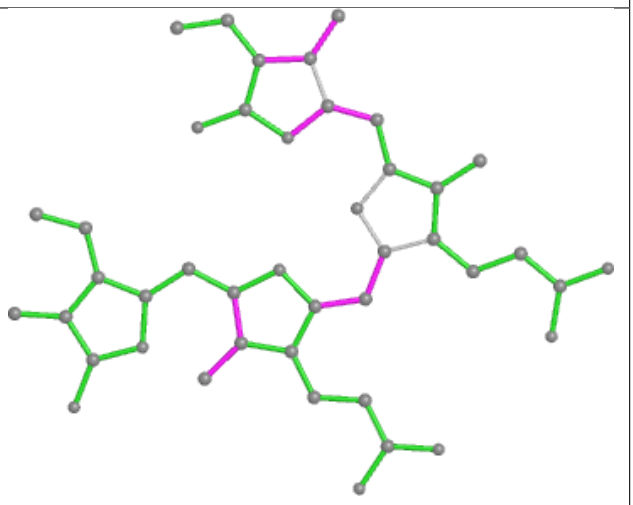

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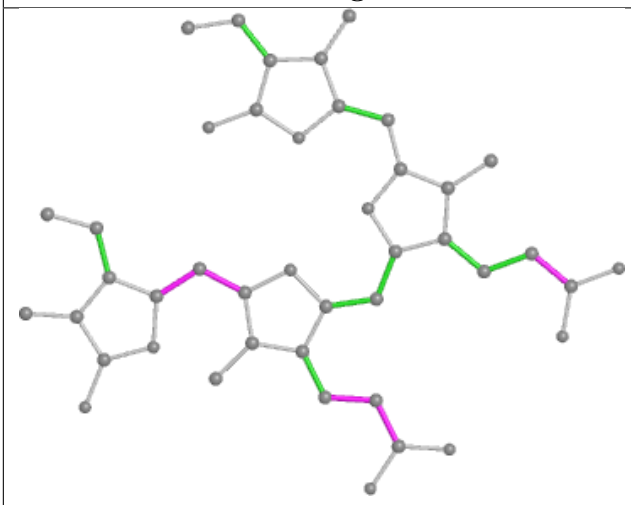

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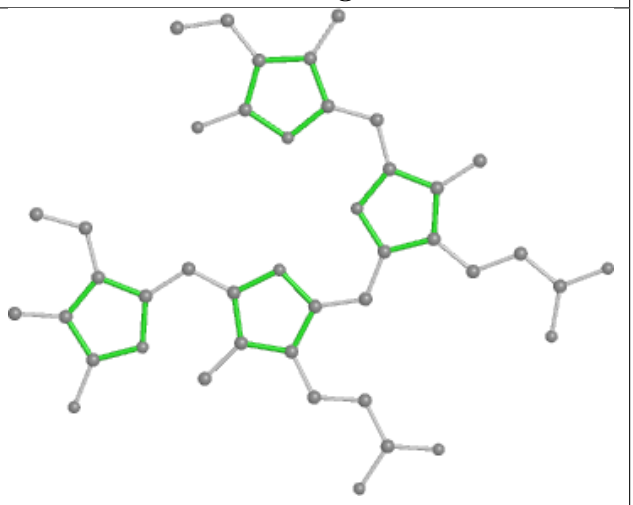

Rings

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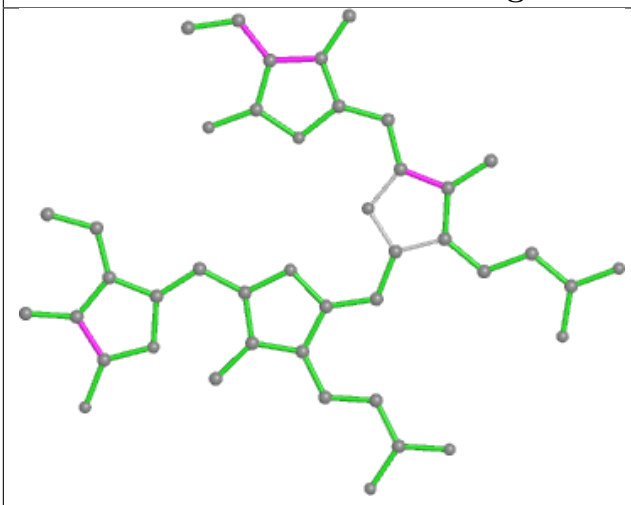

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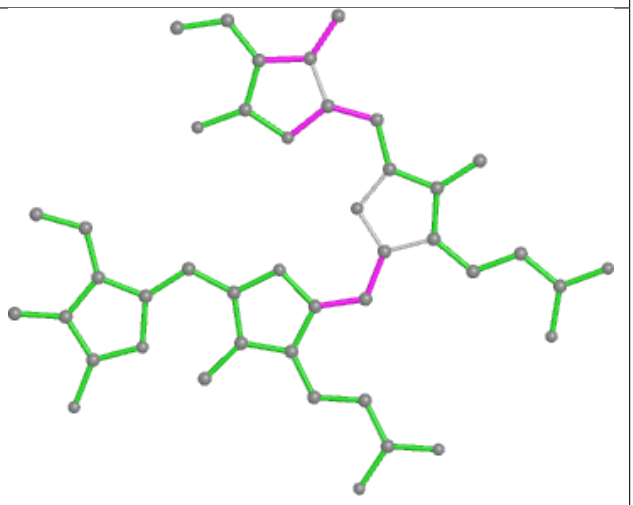

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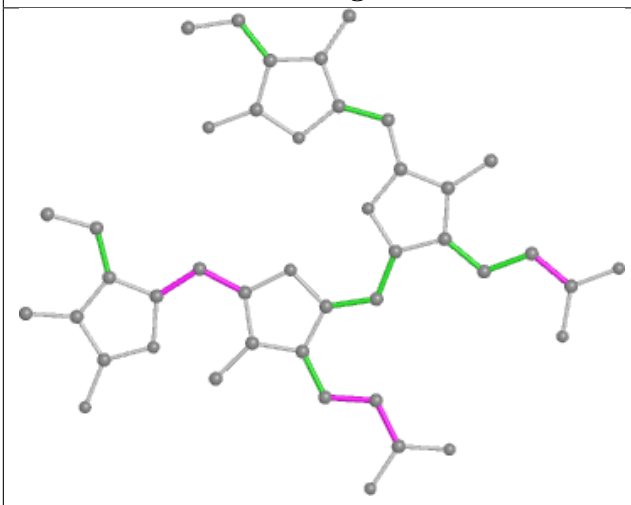

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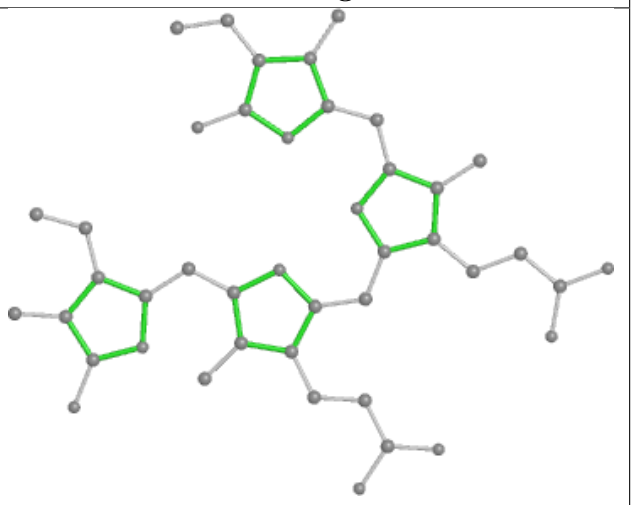
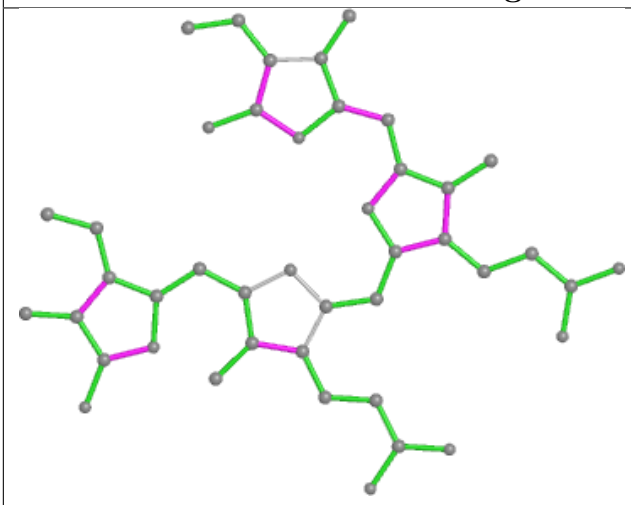


Rings

Ligand PUB A2 1006



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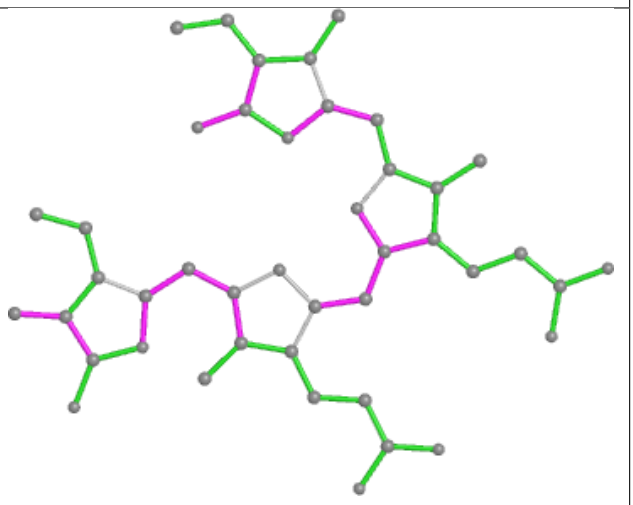

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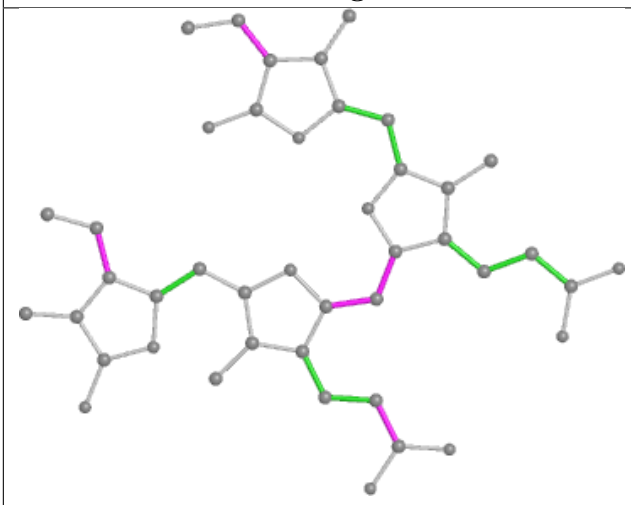

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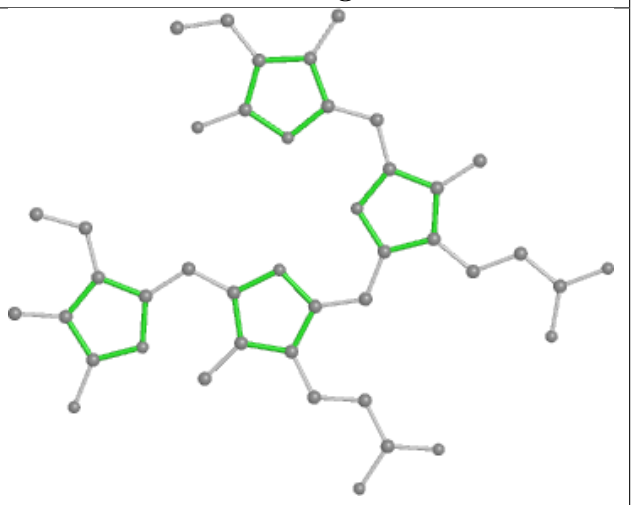

Rings

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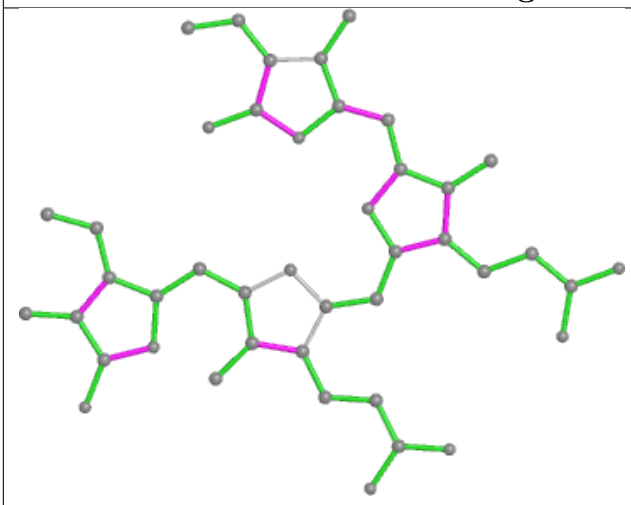

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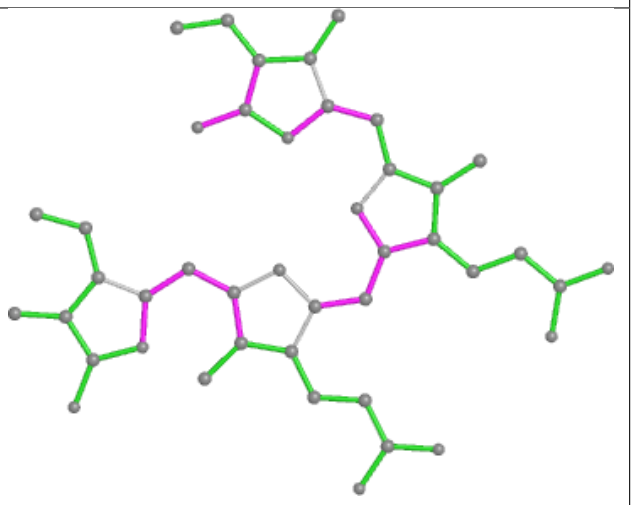
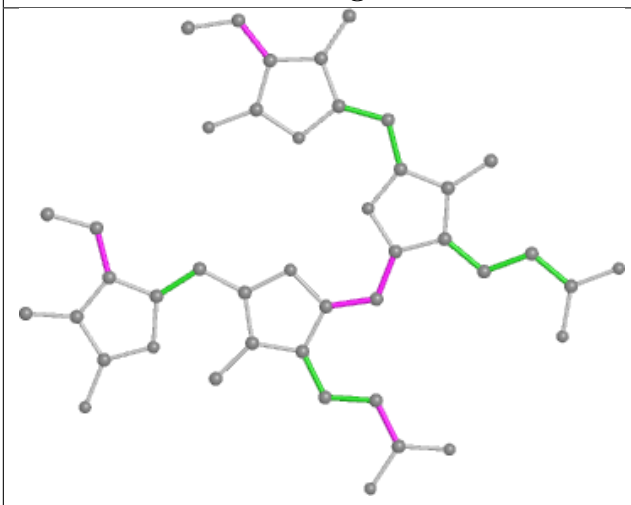
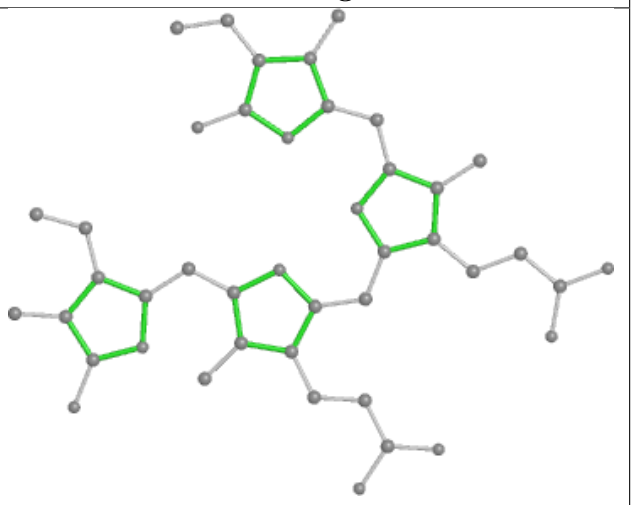


Bond angles

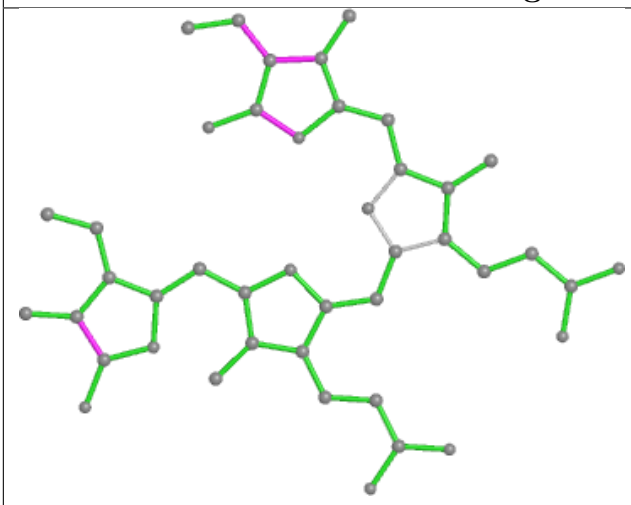


Torsions



Rings

Ligand PEB l8 202



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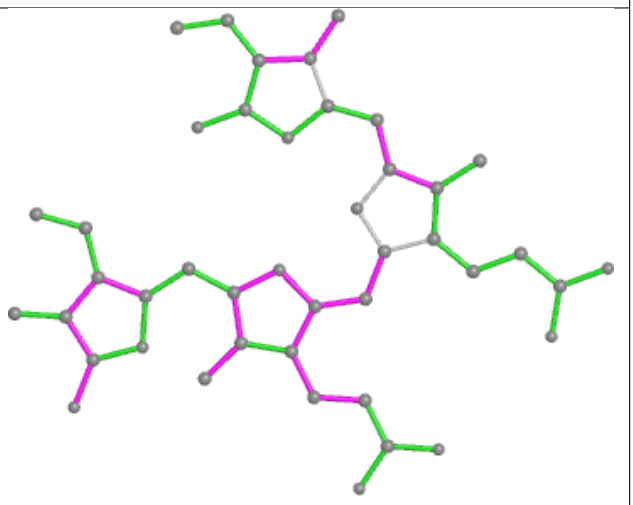

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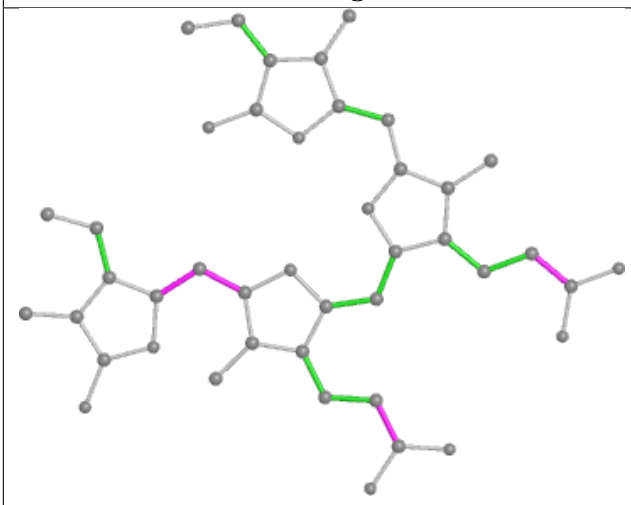

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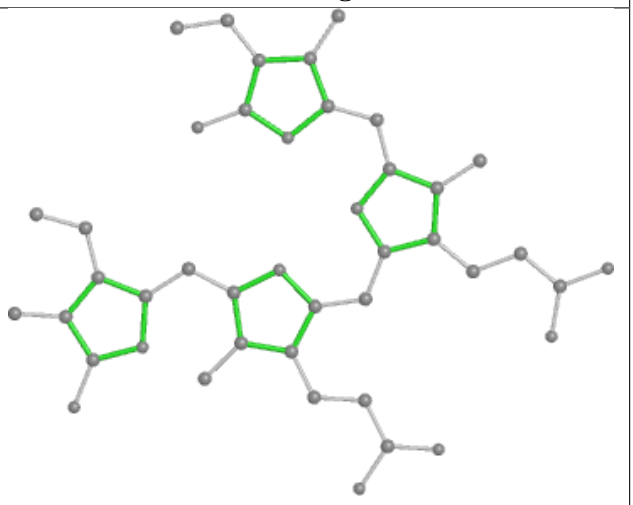
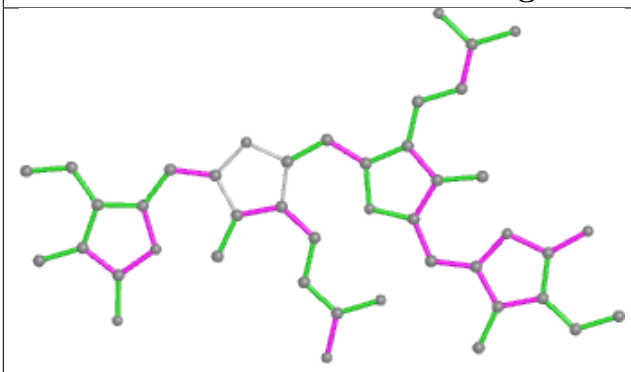


Rings

Ligand CYC z1 201



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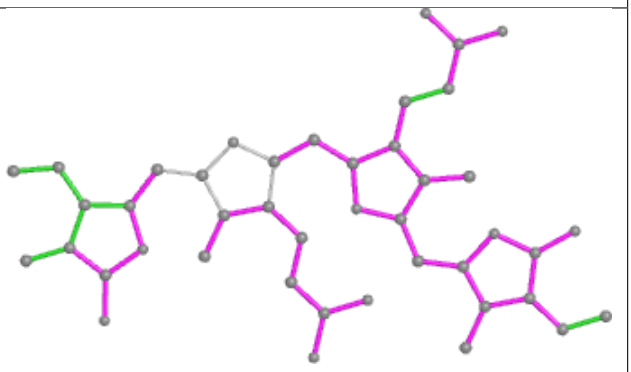

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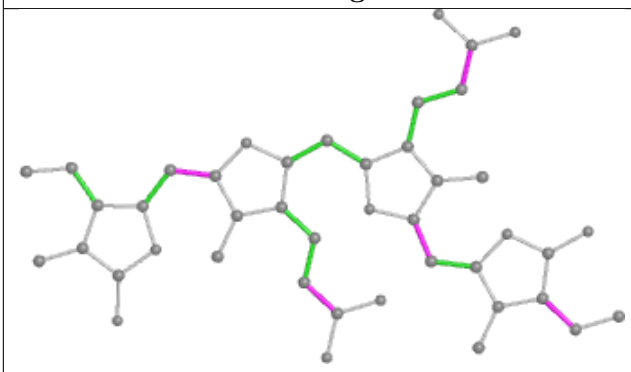

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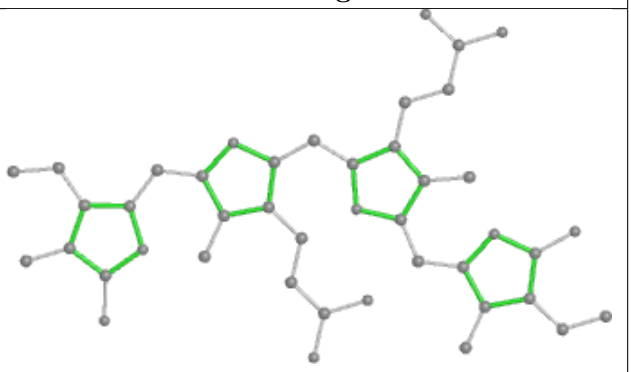
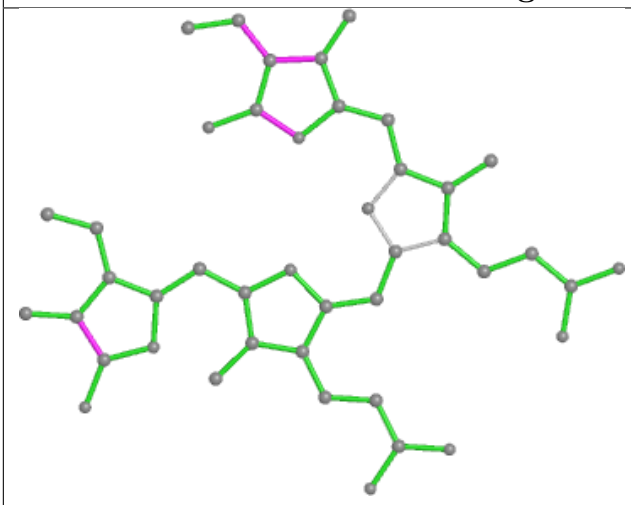


Rings

Ligand PEB dn 201



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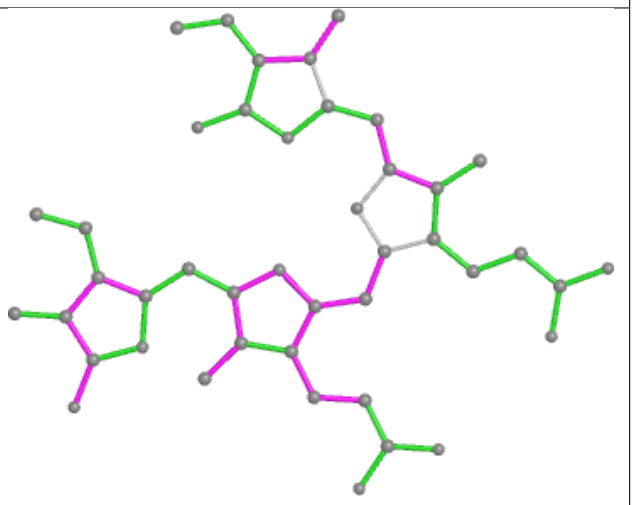
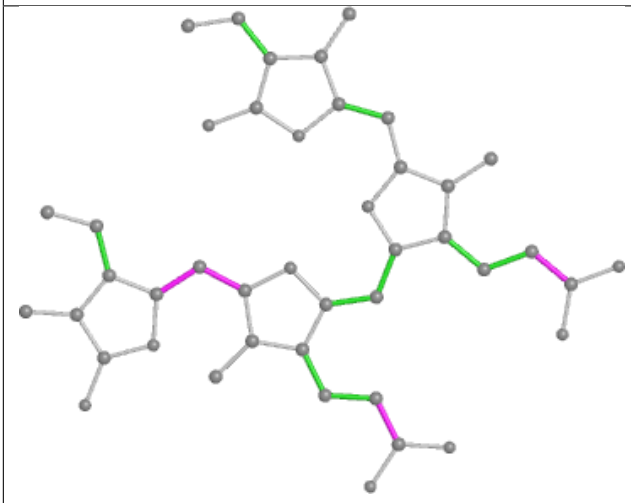


Bond angles



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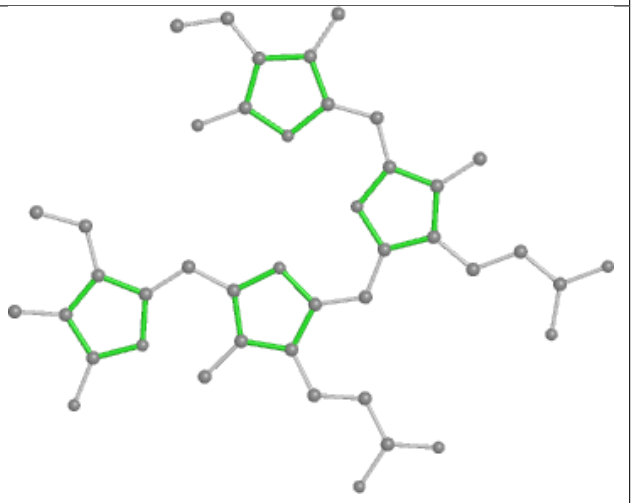
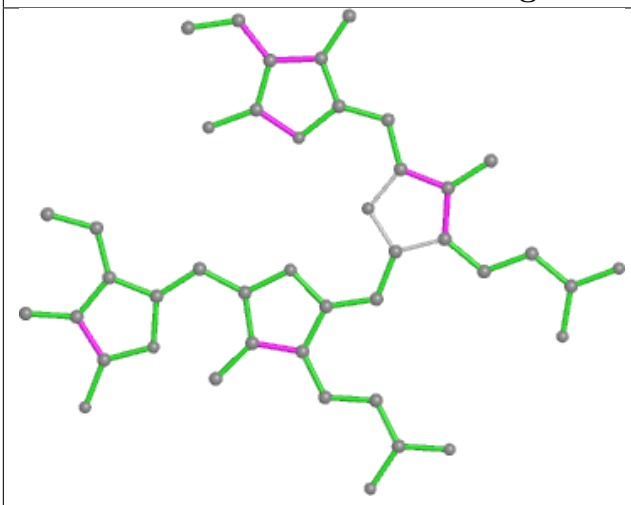


Rings

Ligand PEB J5 202



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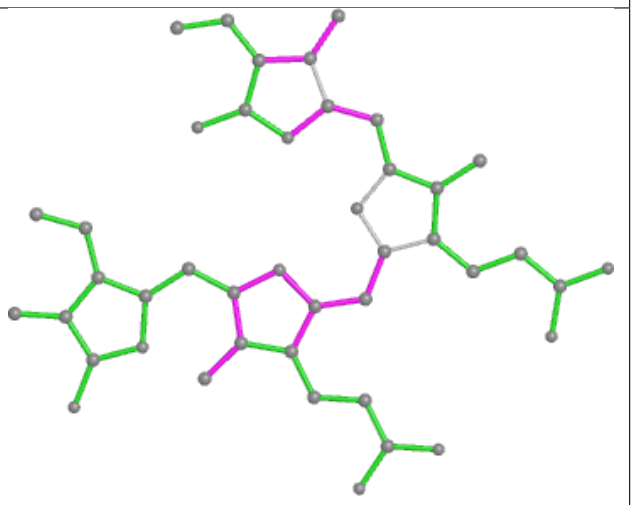

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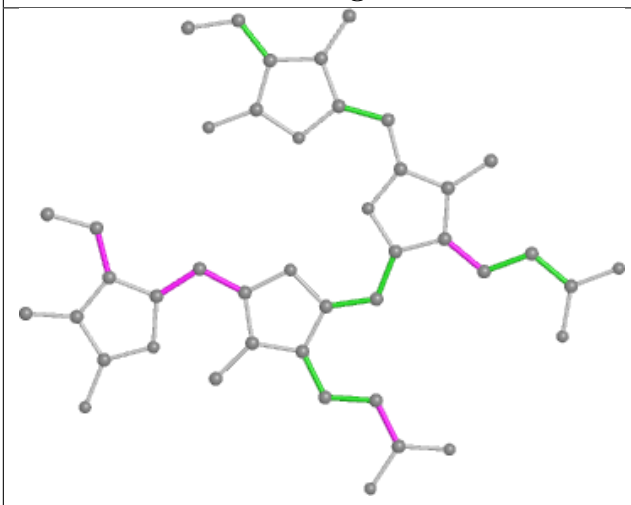

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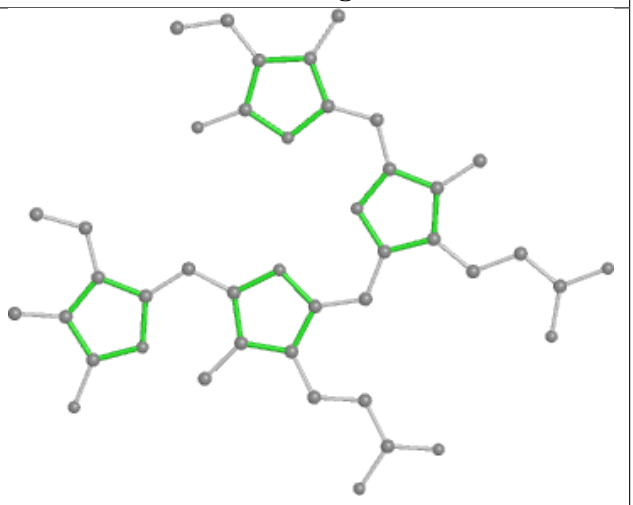

Rings

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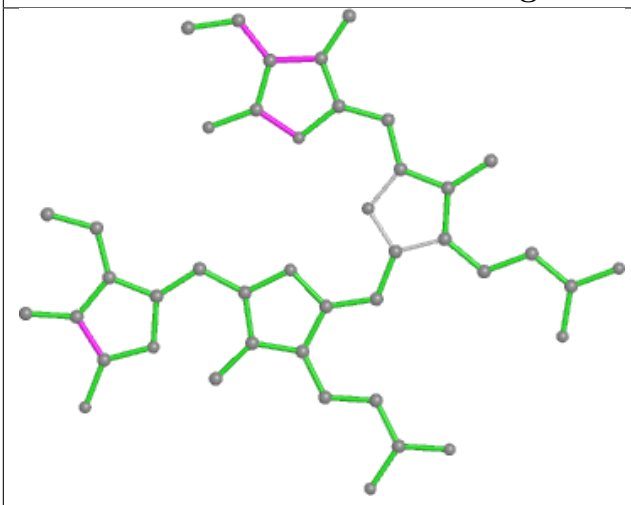

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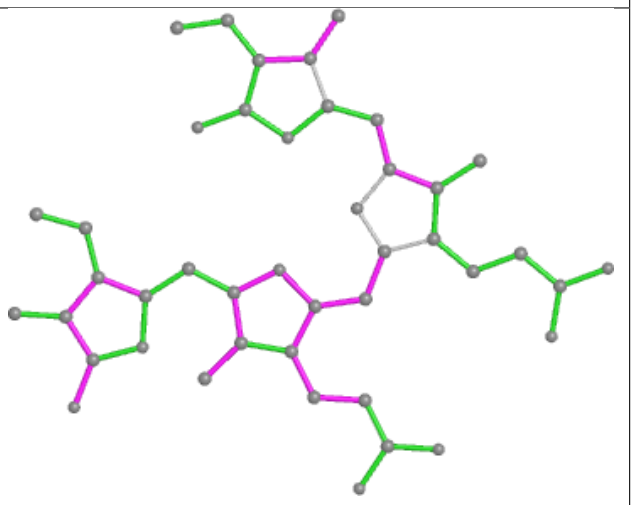

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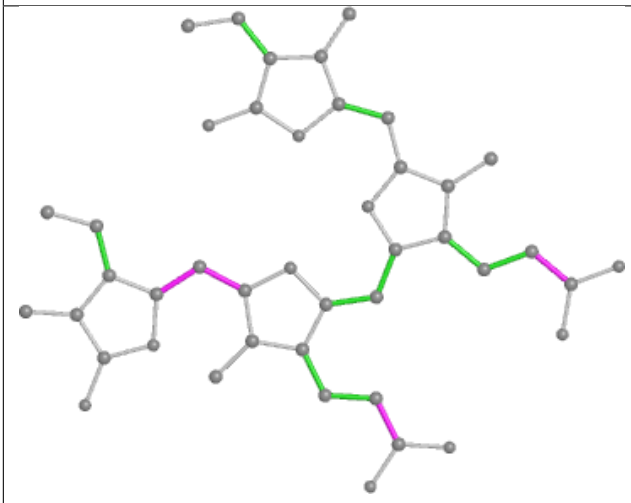

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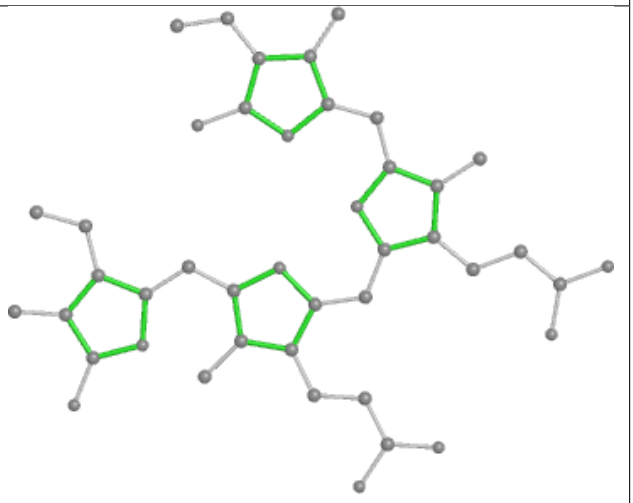

Rings

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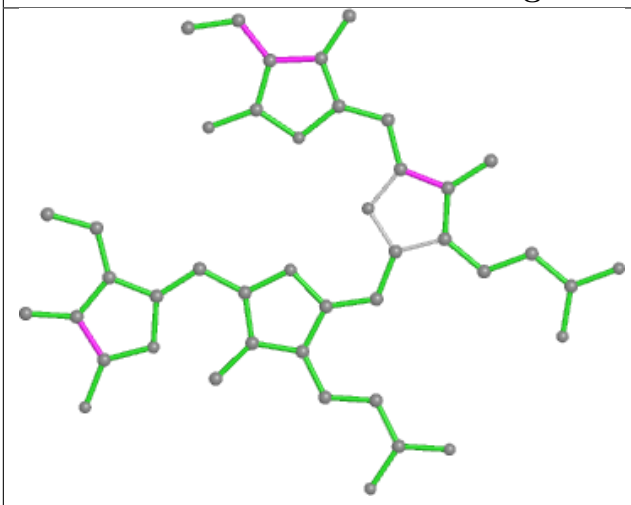

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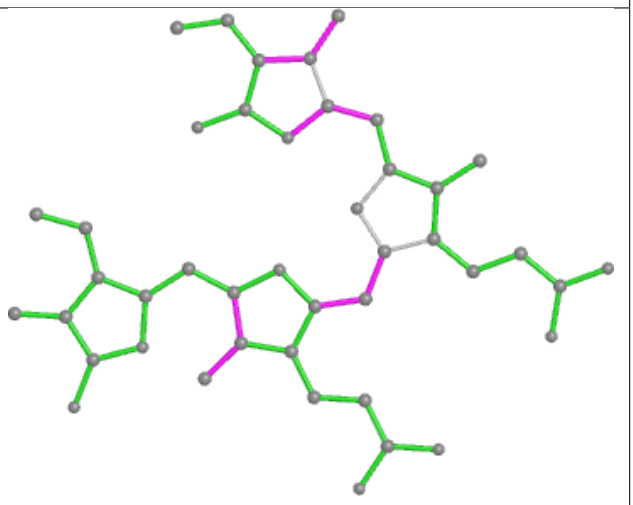

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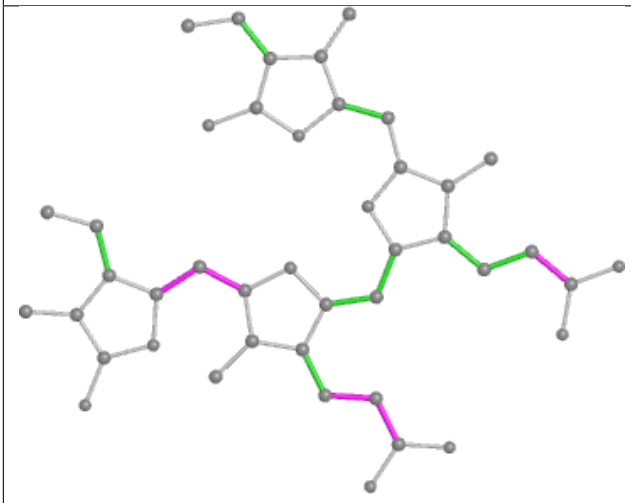

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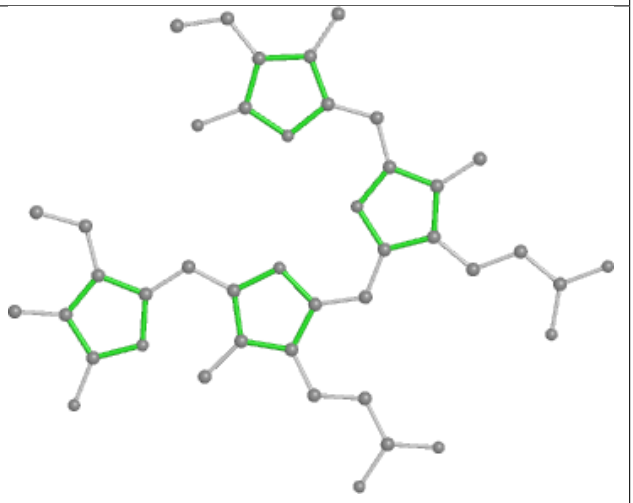

Rings

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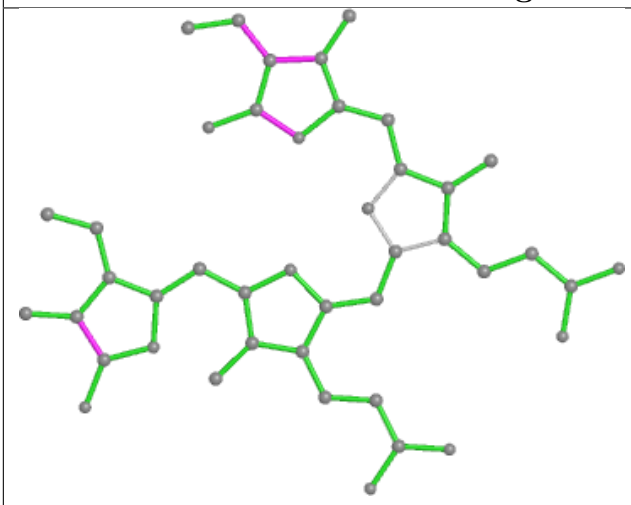

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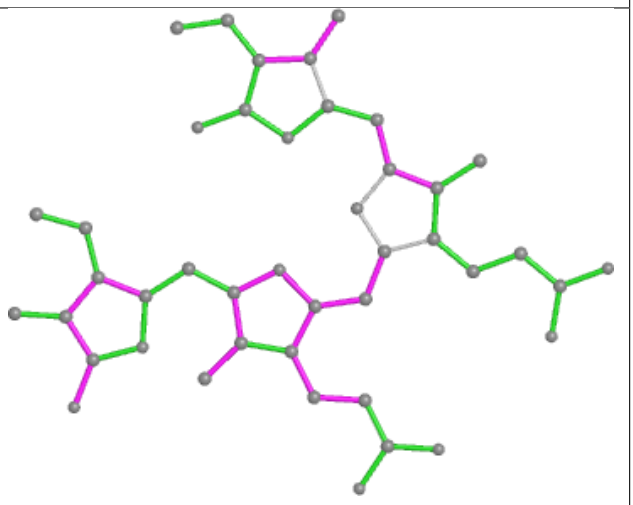

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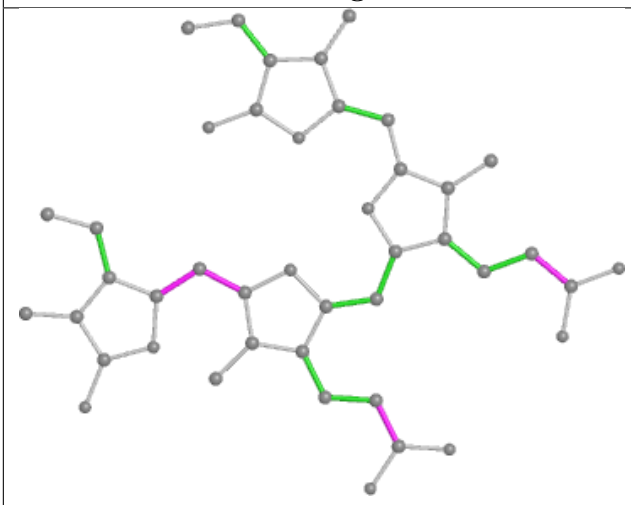

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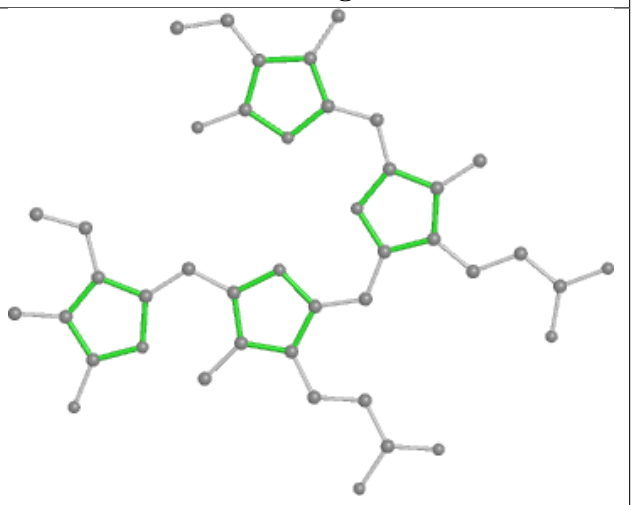

Rings

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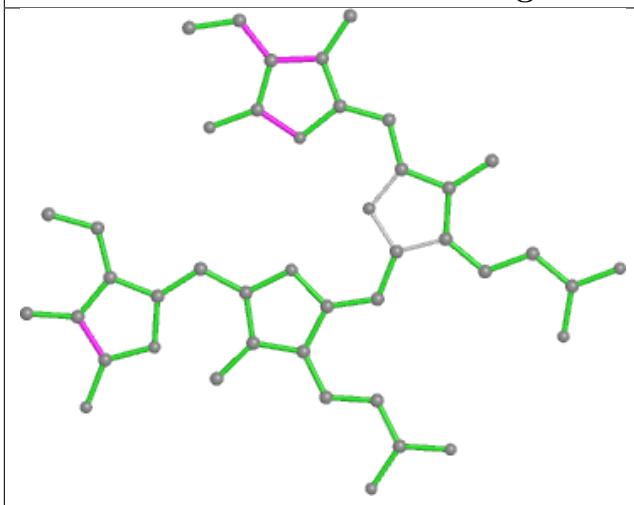

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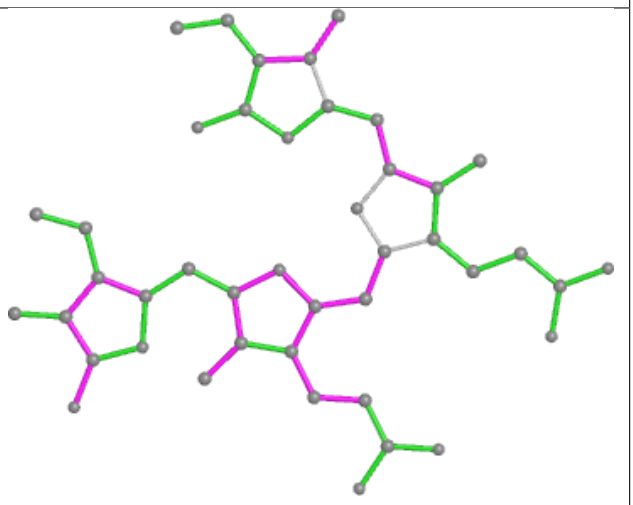

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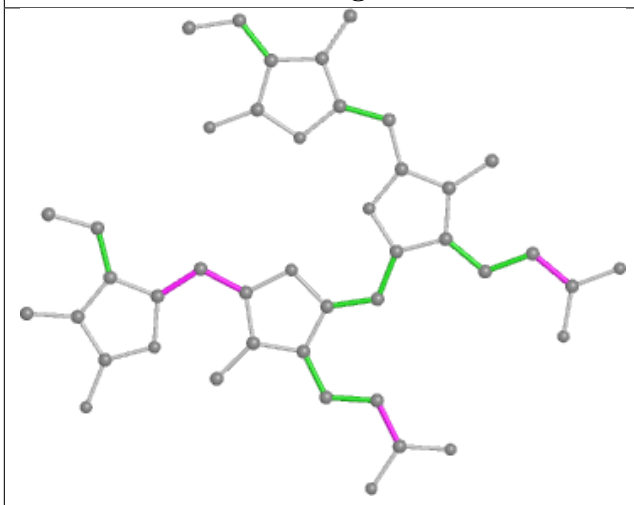

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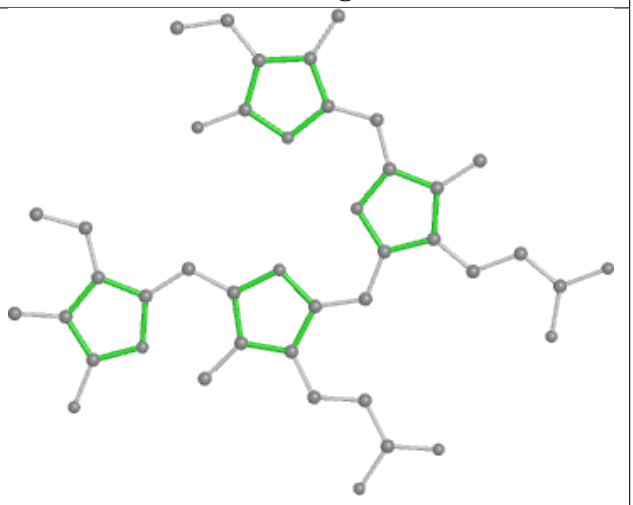

Rings

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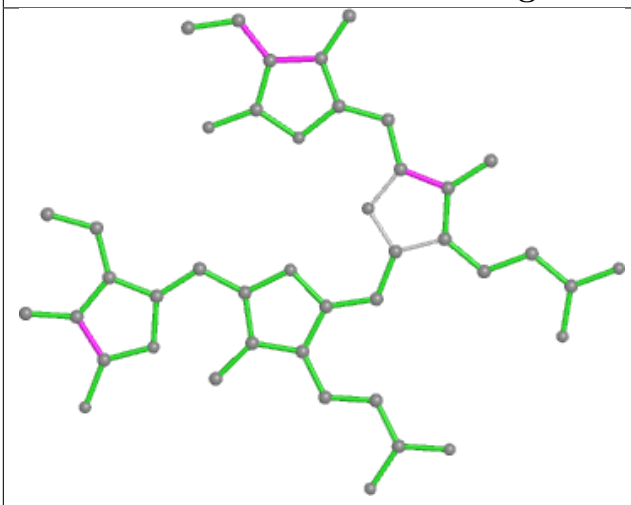

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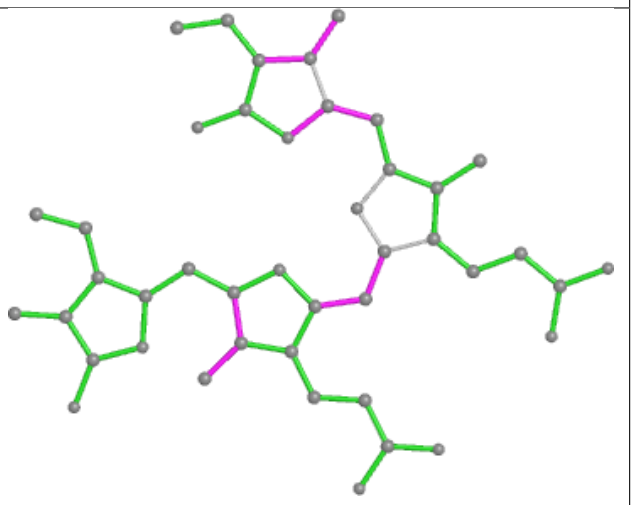

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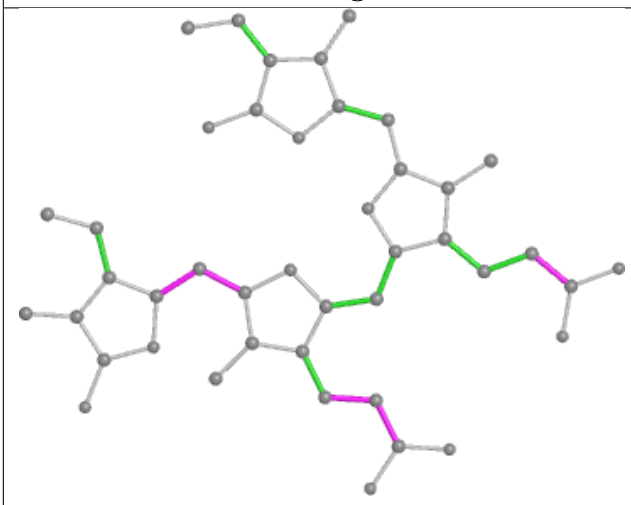

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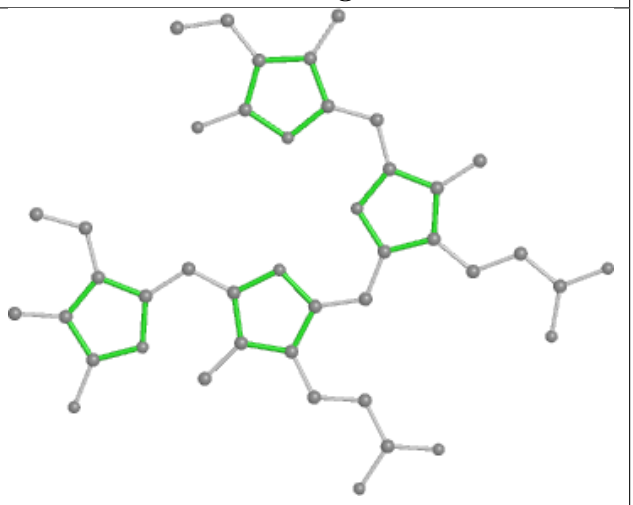
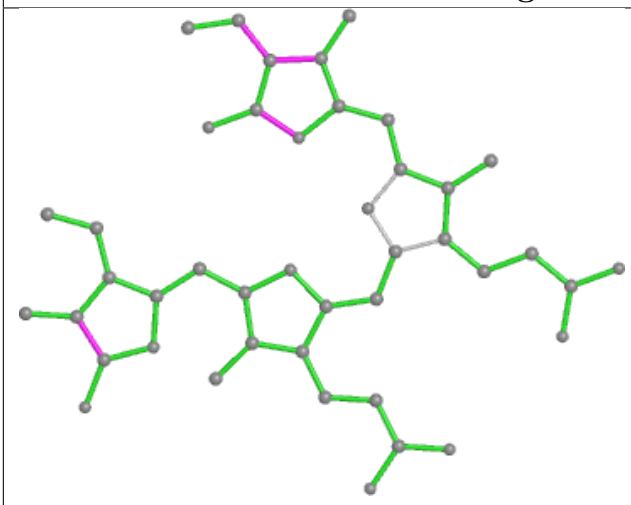


Rings

Ligand PEB aE 201



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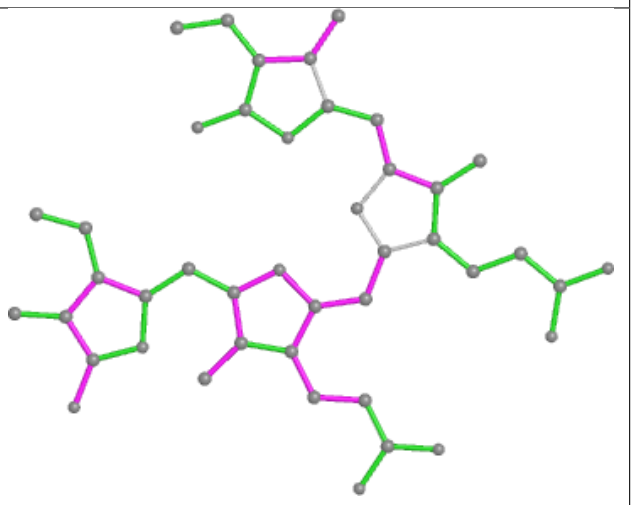

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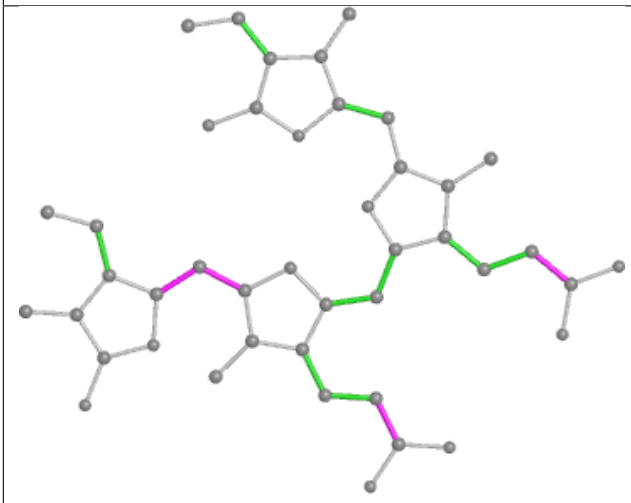

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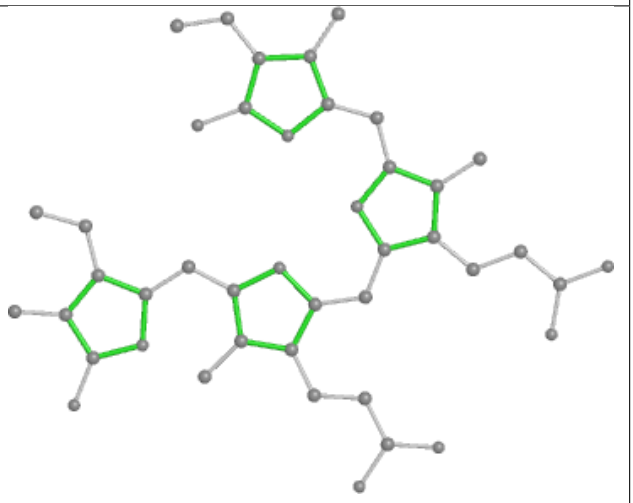

Rings

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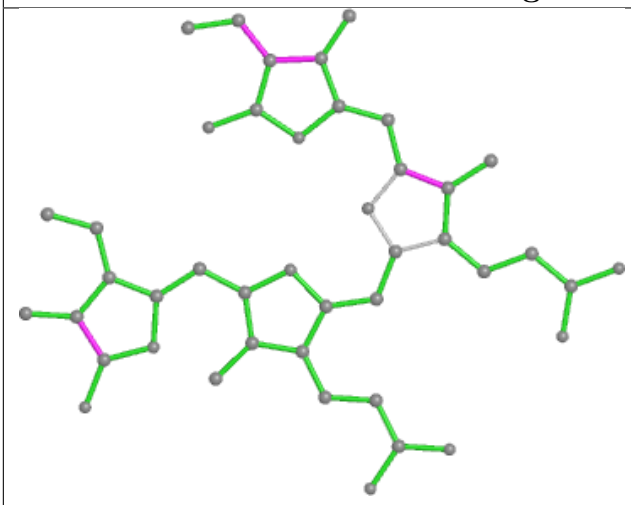

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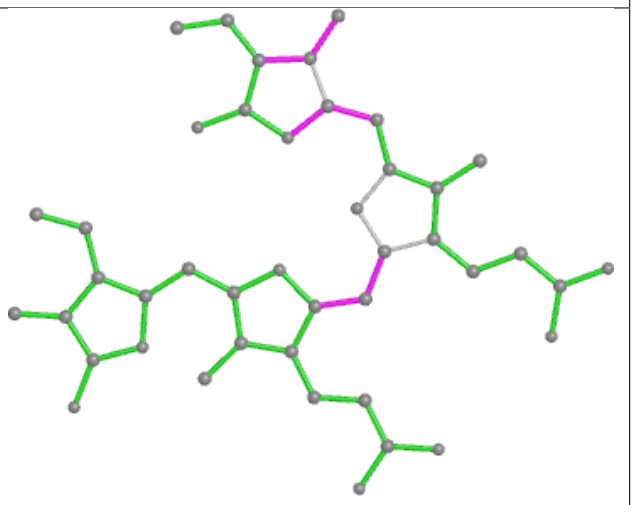

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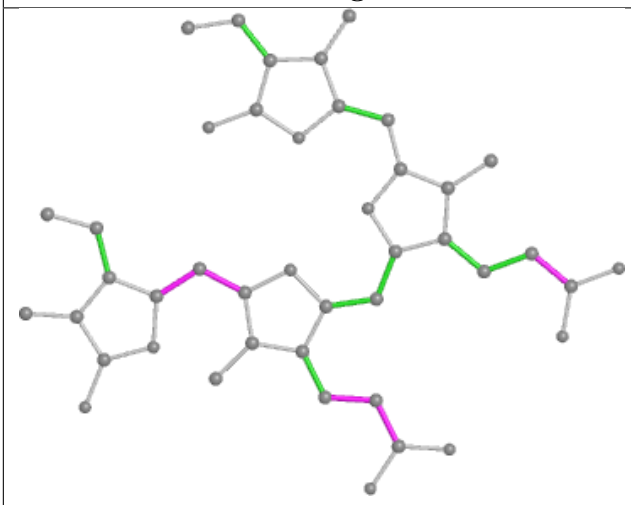

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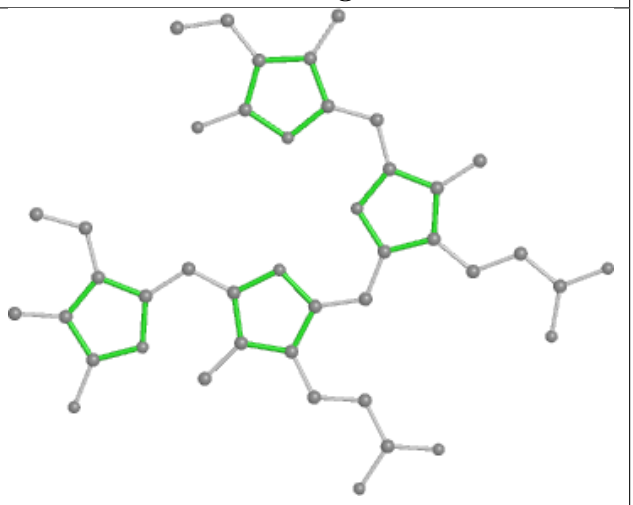
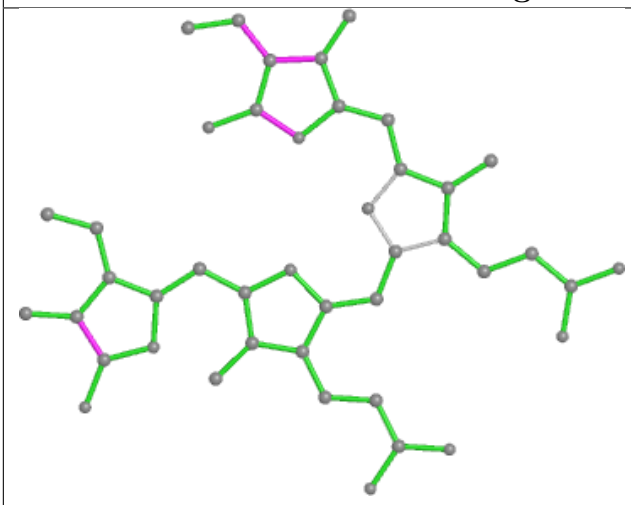


Rings

Ligand PEB fh 1001



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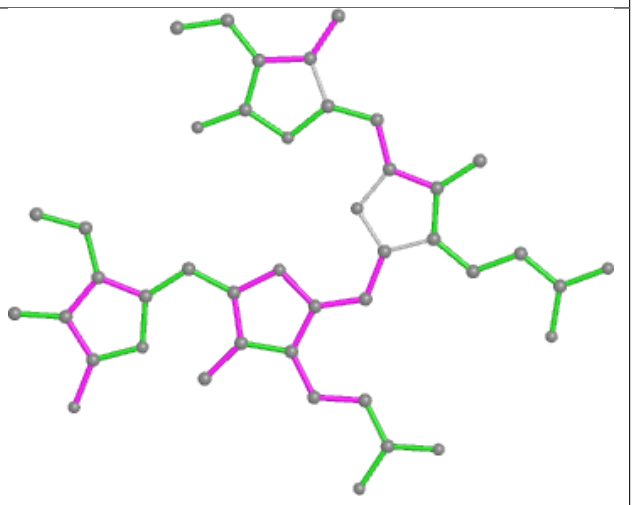

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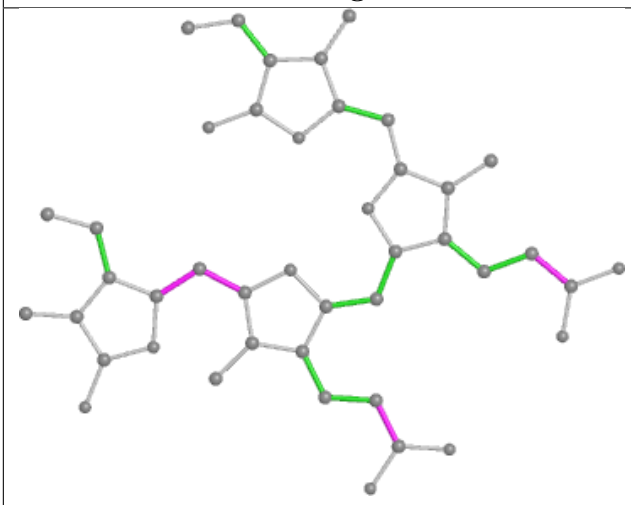

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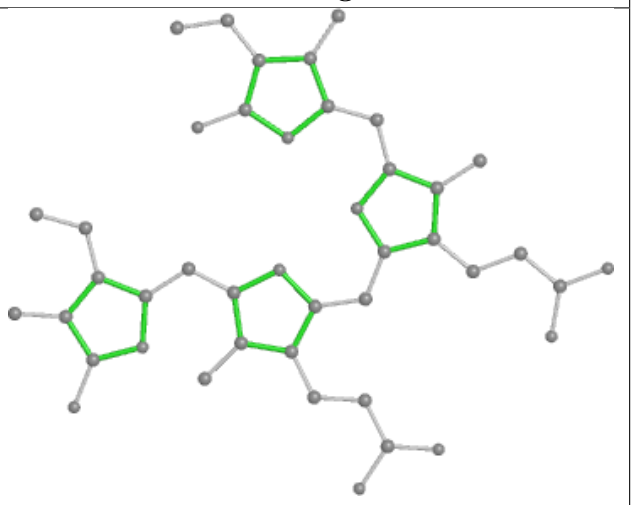
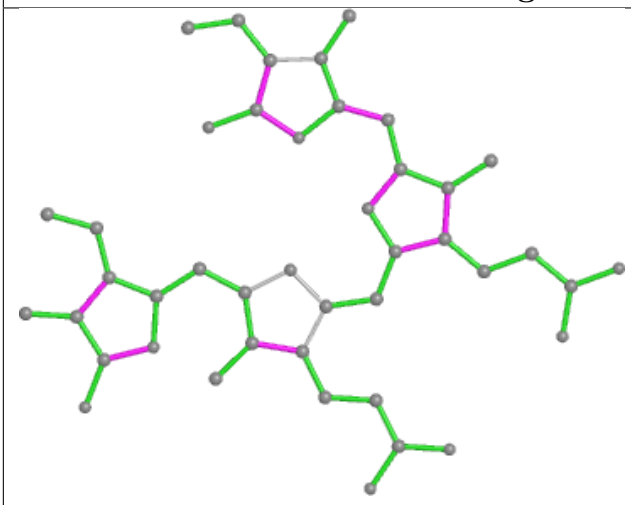


Rings

Ligand PUB gg 203



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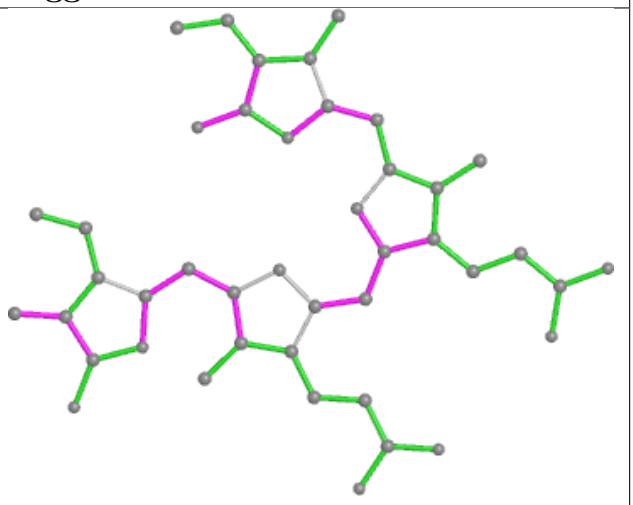
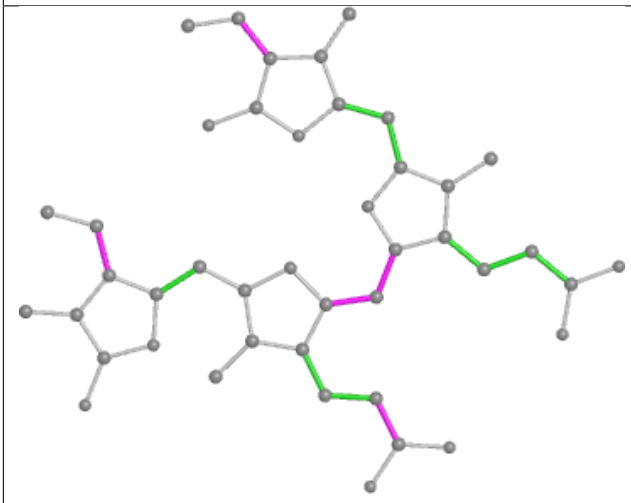
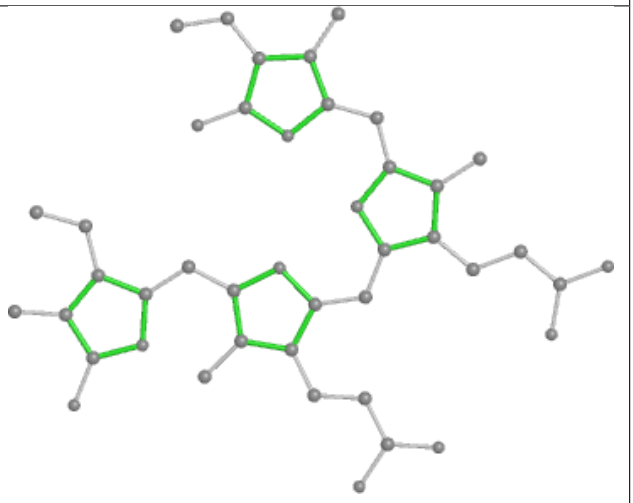


Bond angles

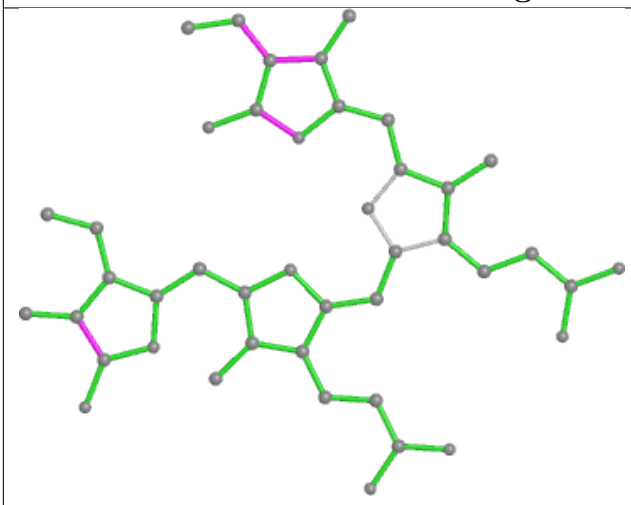


Torsions



Rings

Ligand PEB dR 201



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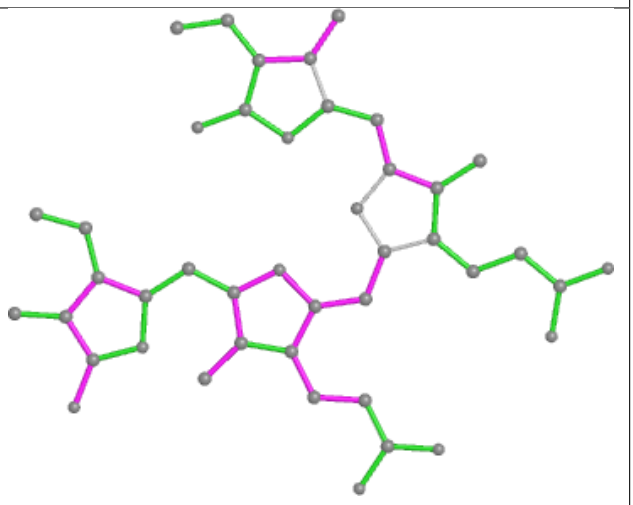
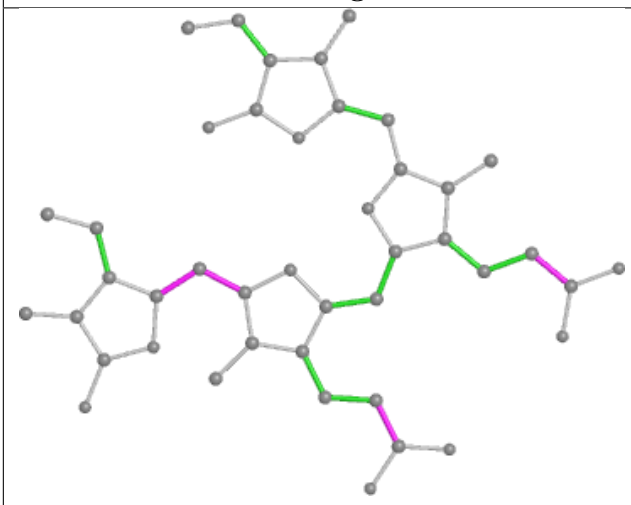


Bond angles



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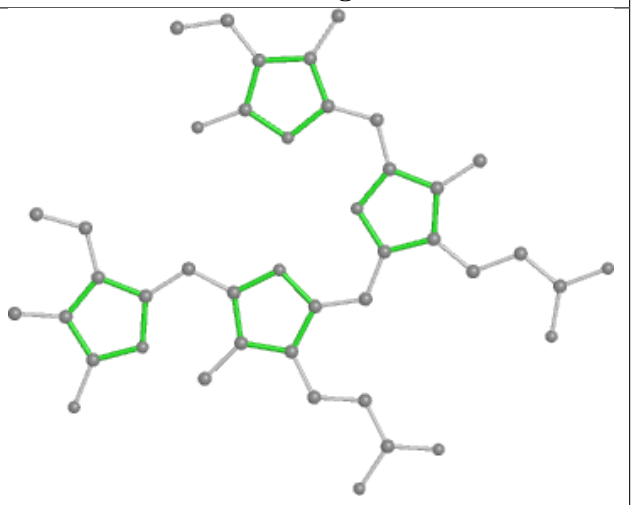
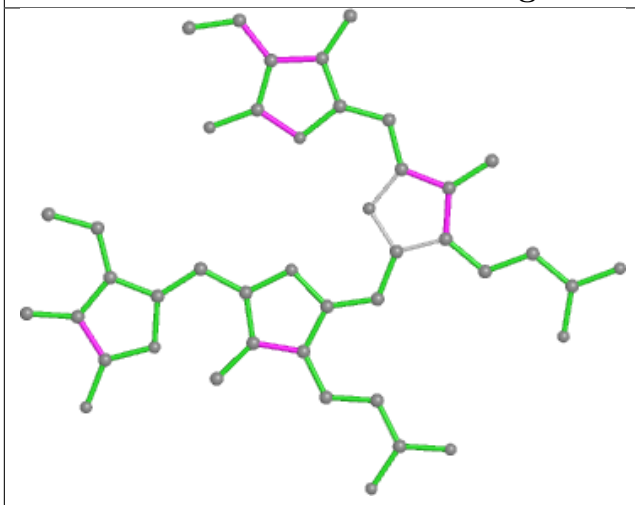


Rings

Ligand PEB dd 202



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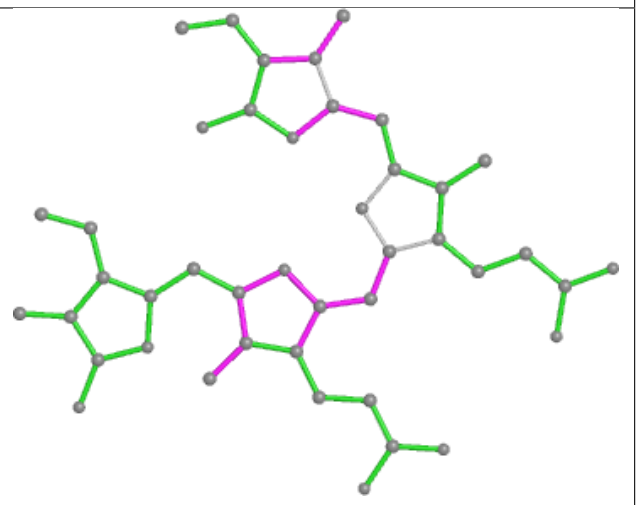

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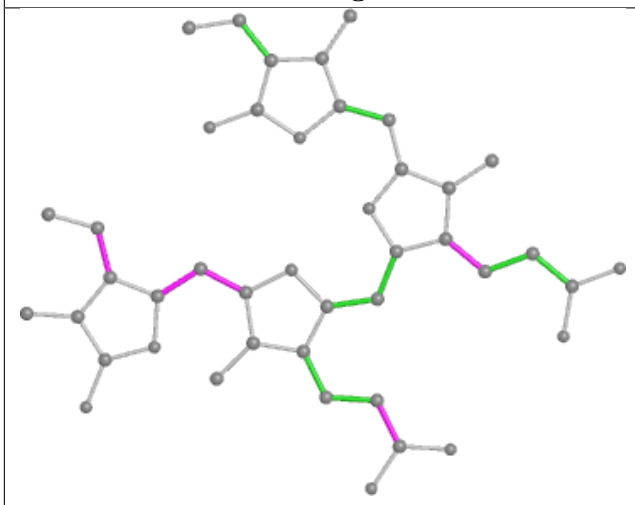

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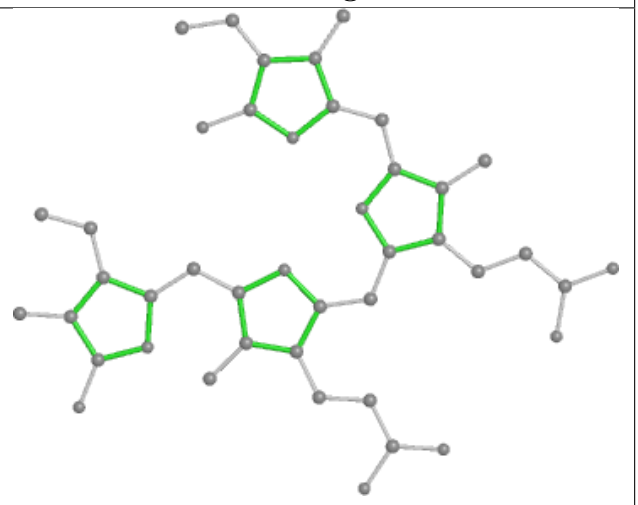
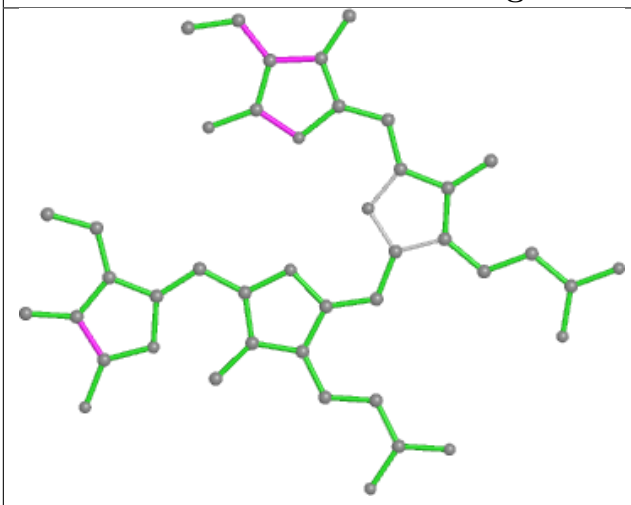


Rings

Ligand PEB w7 1001



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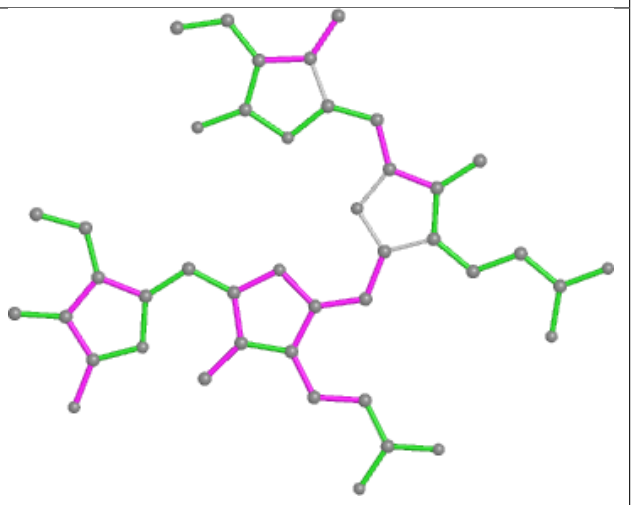

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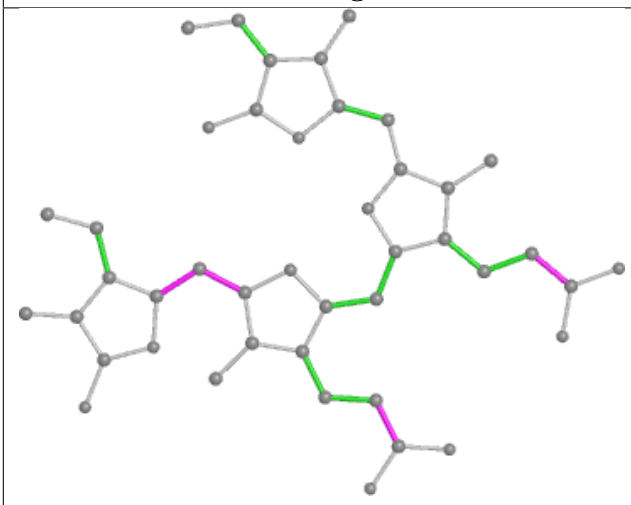

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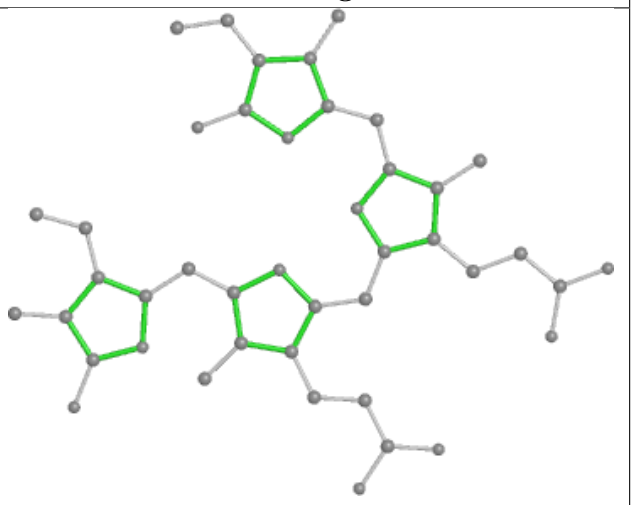
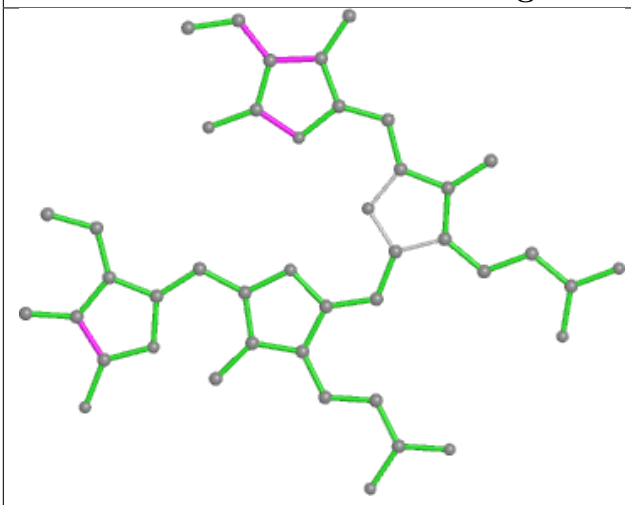


Rings

Ligand PEB E9 201



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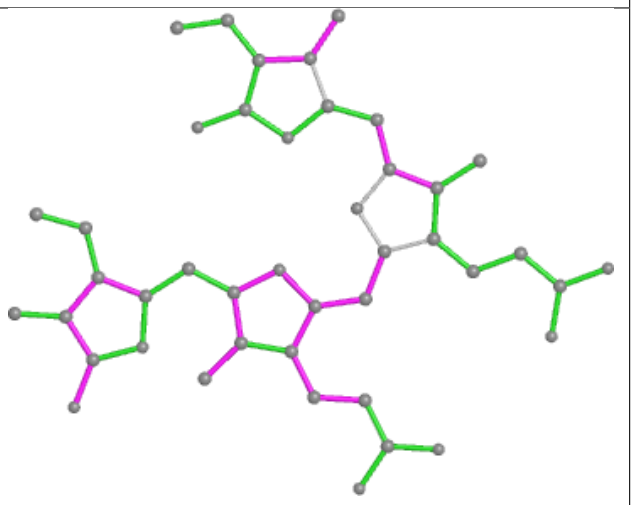

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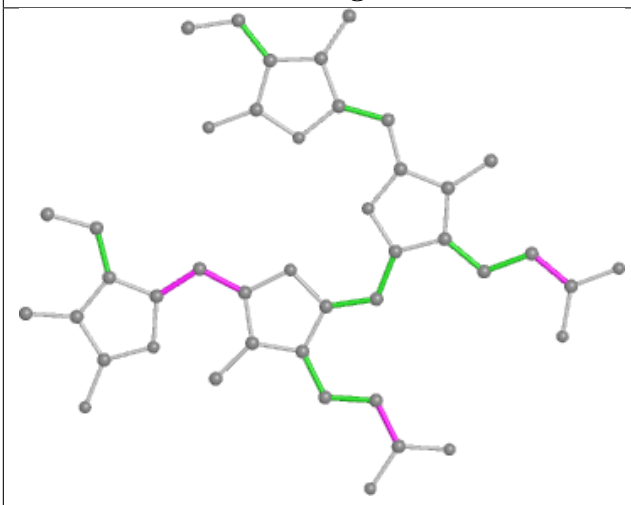

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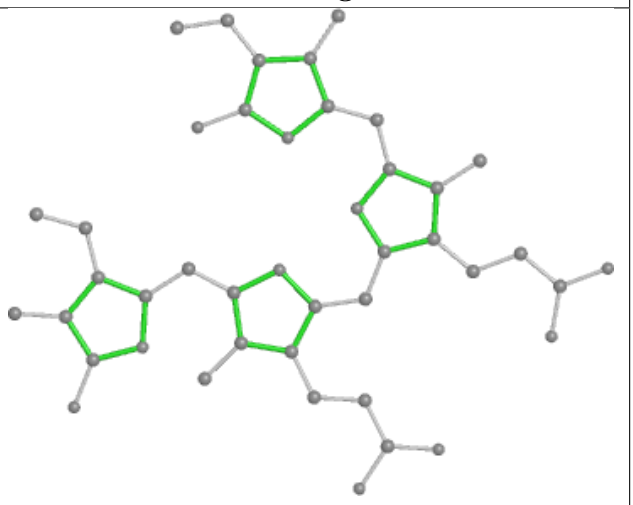
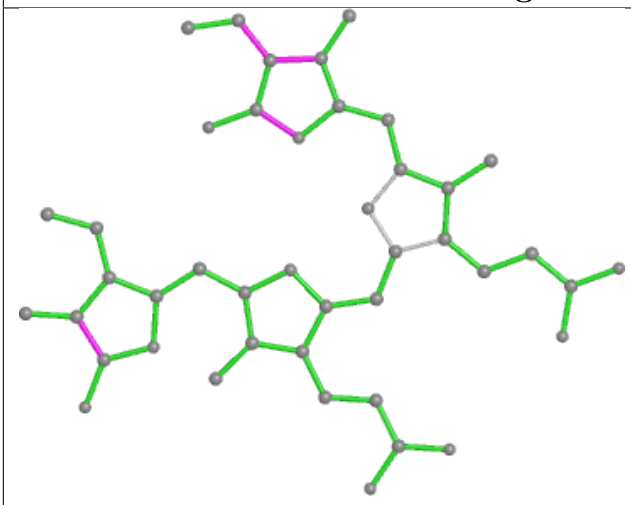


Rings

Ligand PEB bP 201



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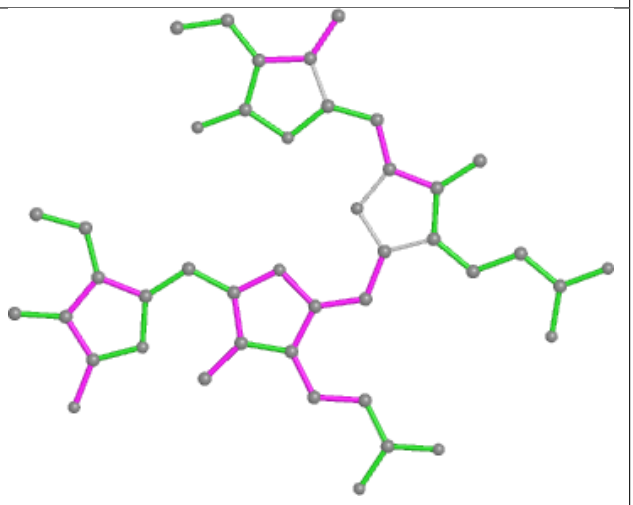

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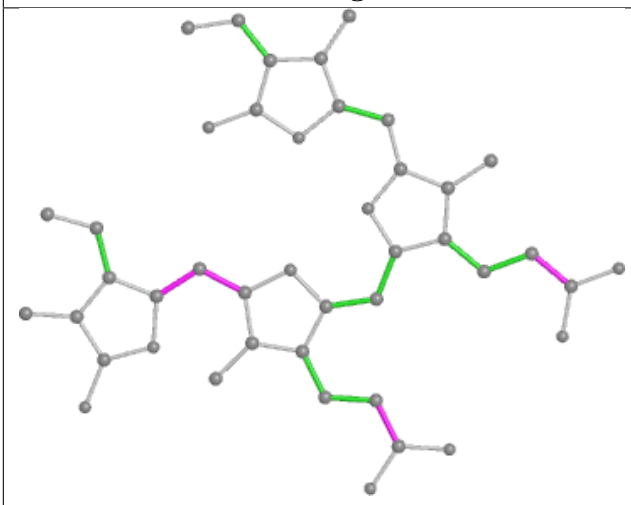

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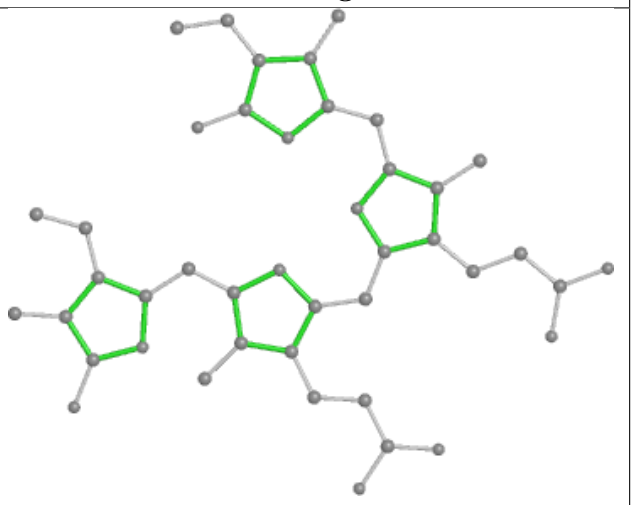
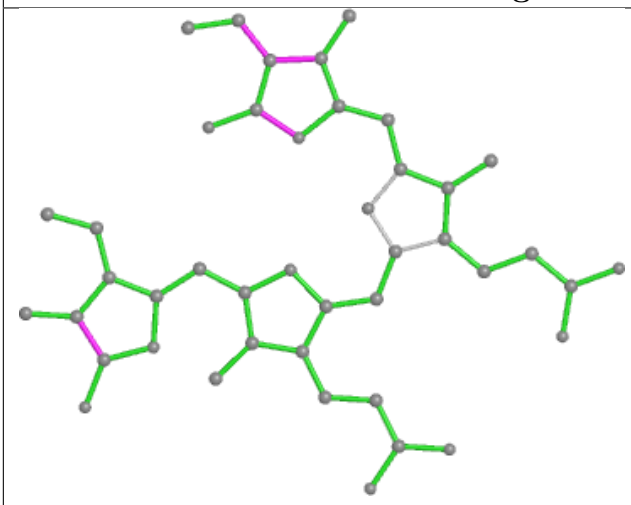


Rings

Ligand PEB ez 1001



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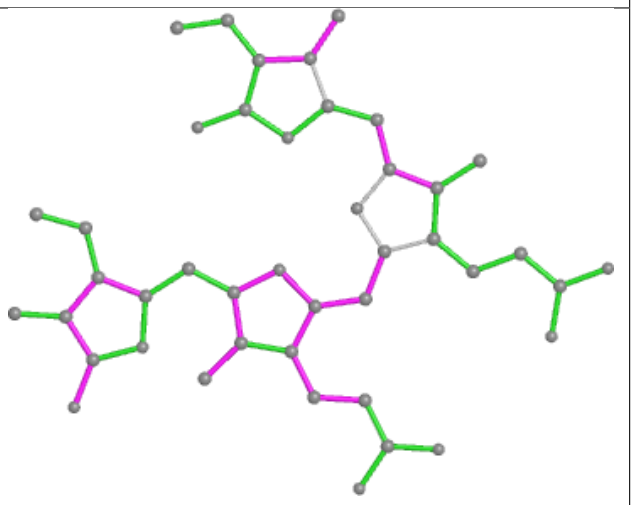

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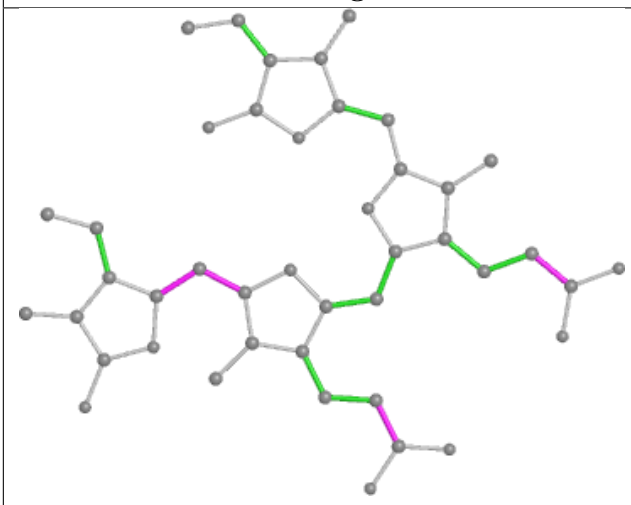

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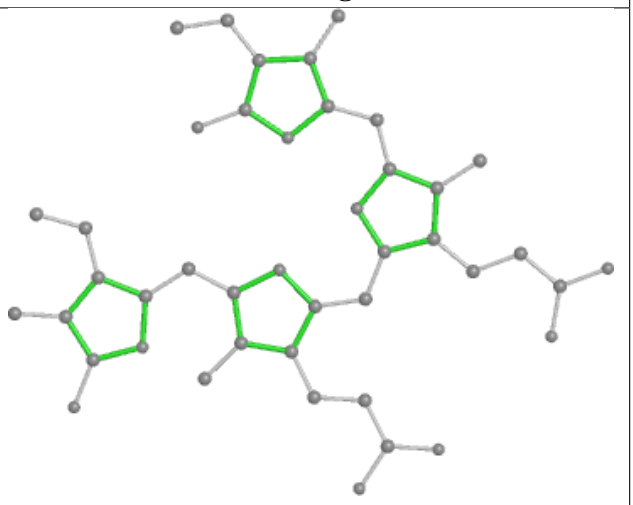
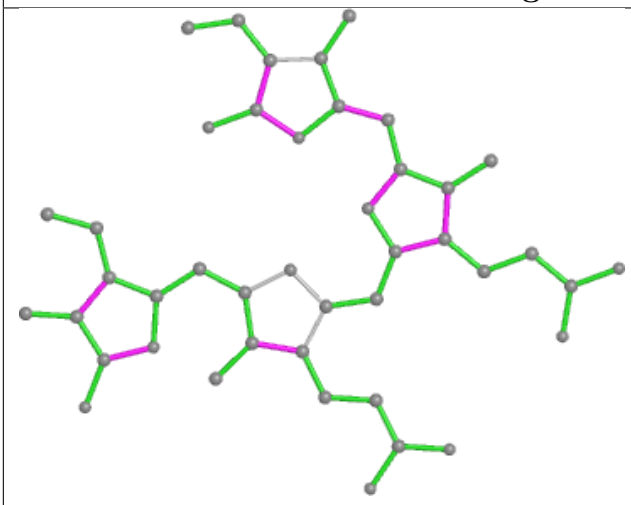


Rings

Ligand PUB fc 203



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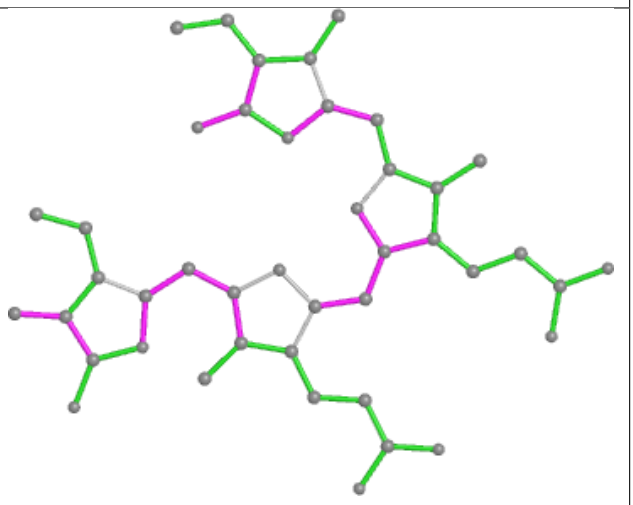

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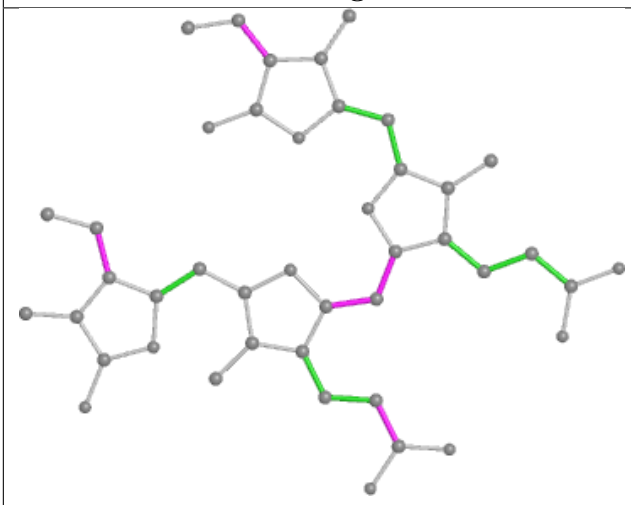

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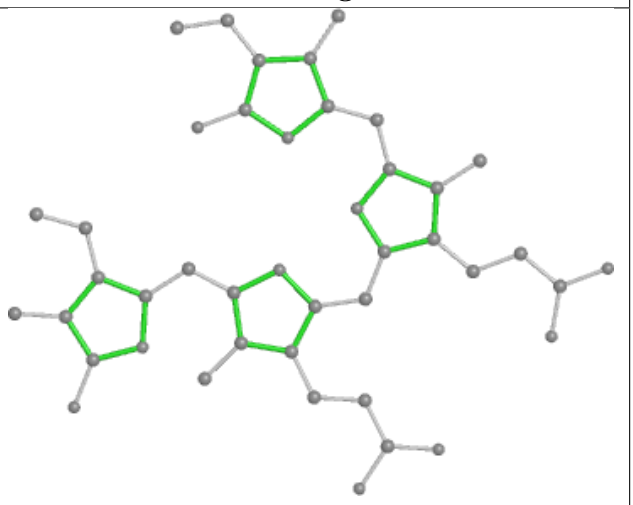
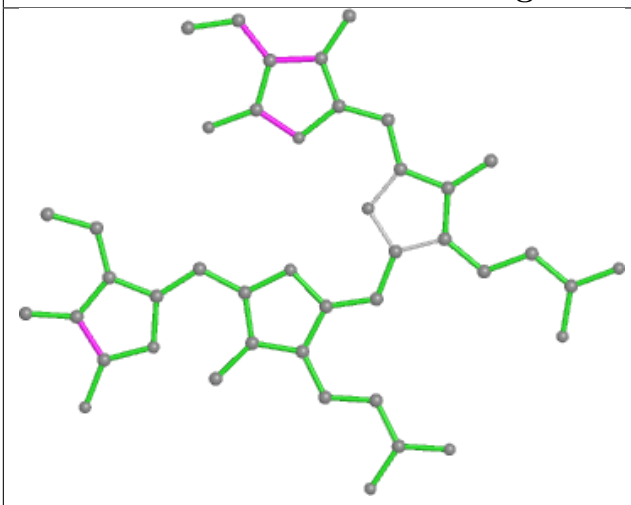


Rings

Ligand PEB dE 201



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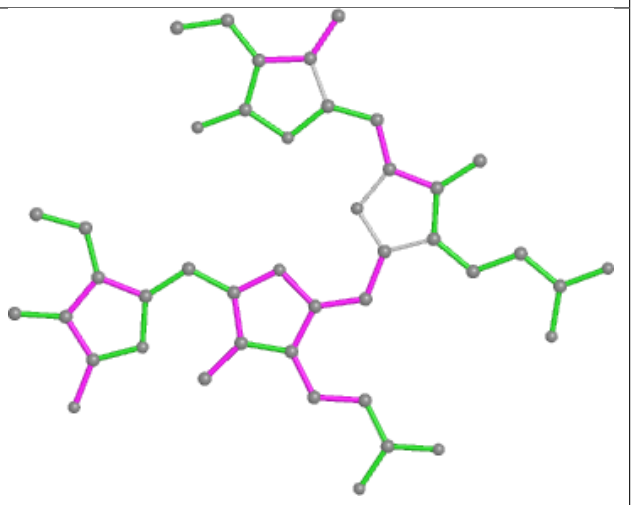

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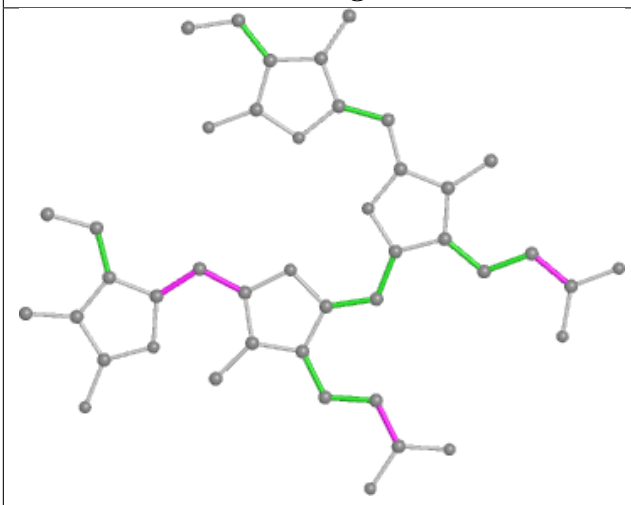

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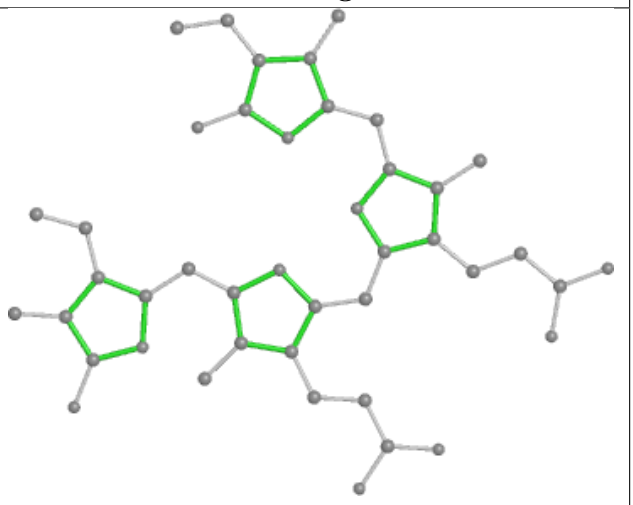

Rings

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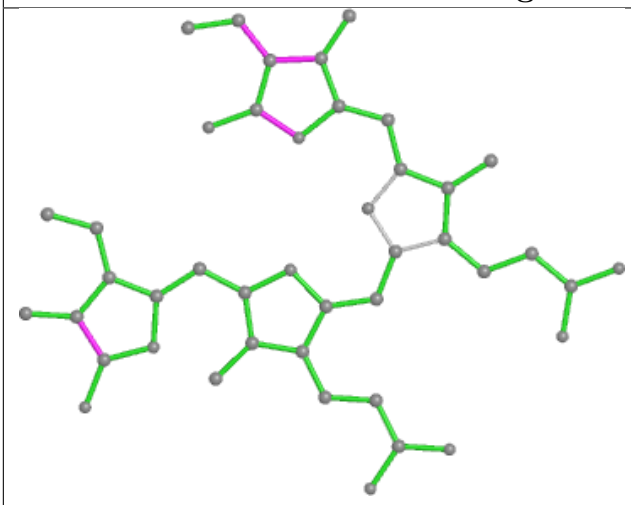

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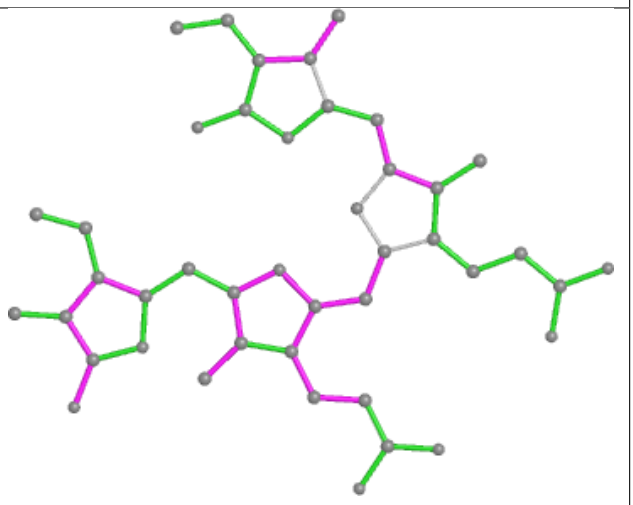

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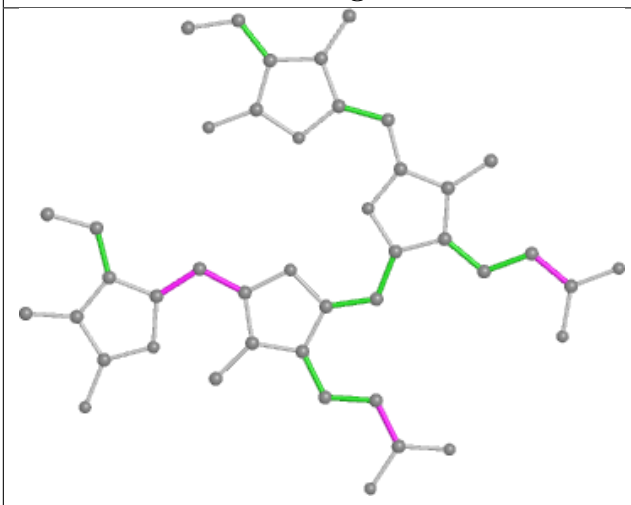

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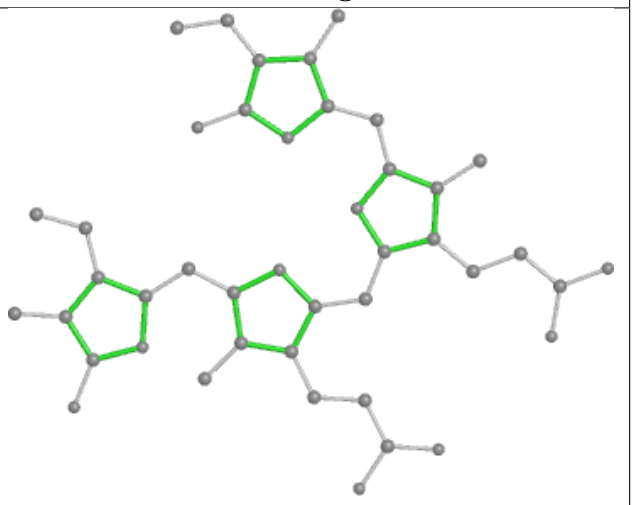
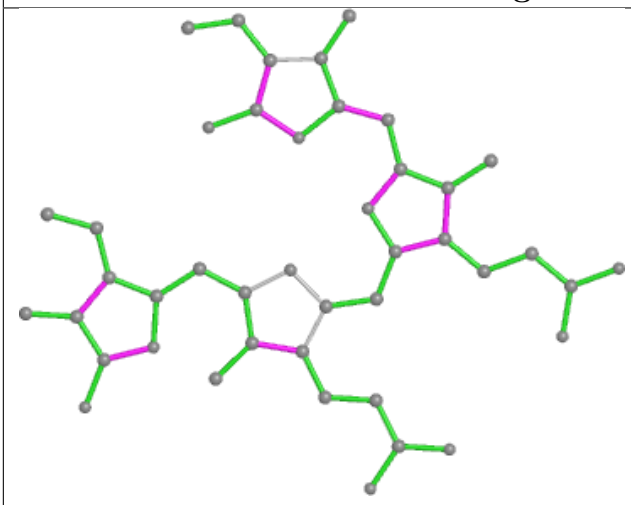


Rings

Ligand PUB eH 203



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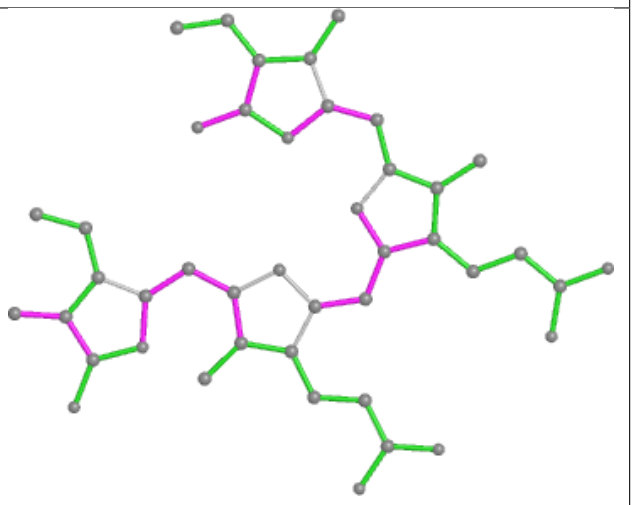

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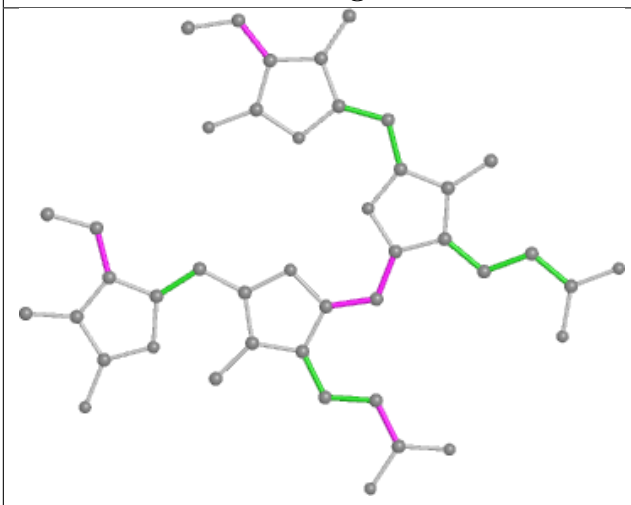

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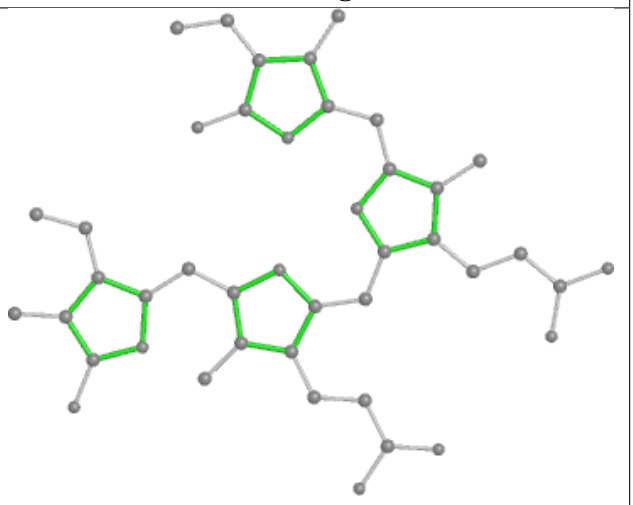

Rings

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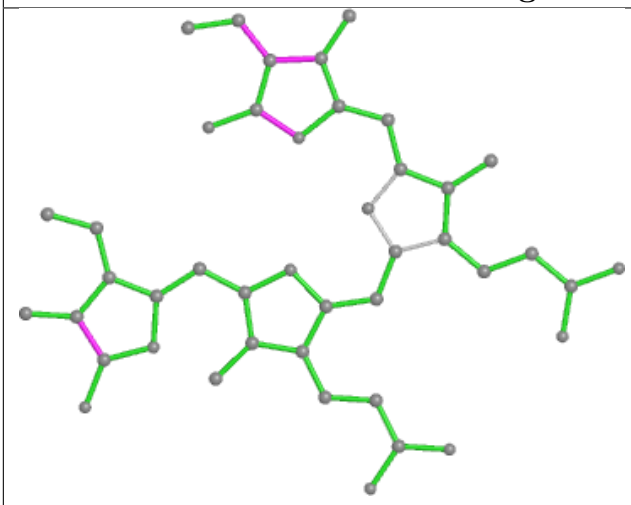

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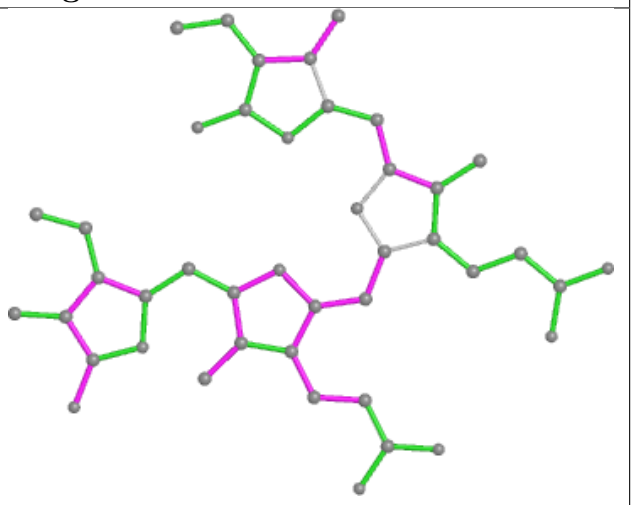

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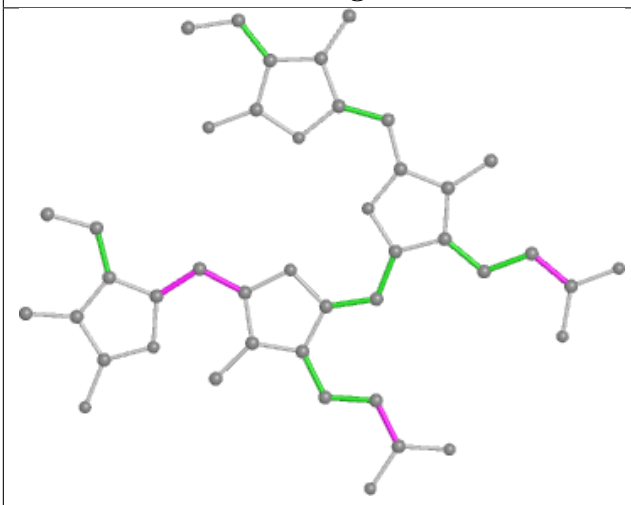

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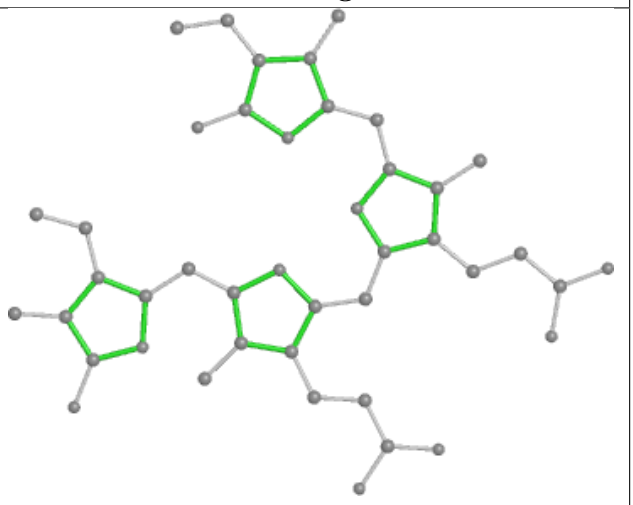
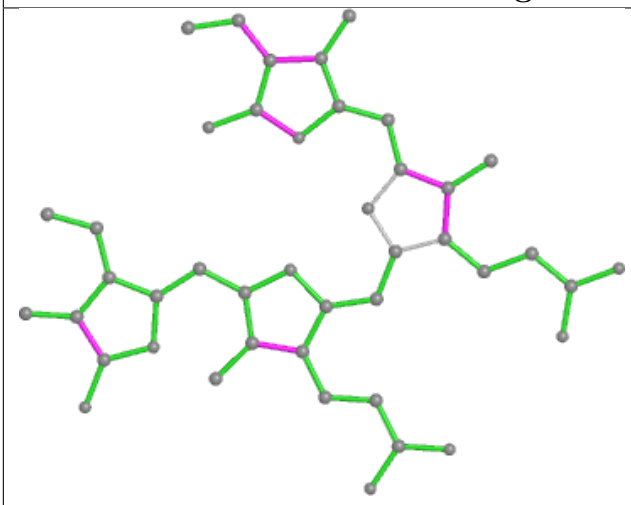


Rings

Ligand PEB H3 202



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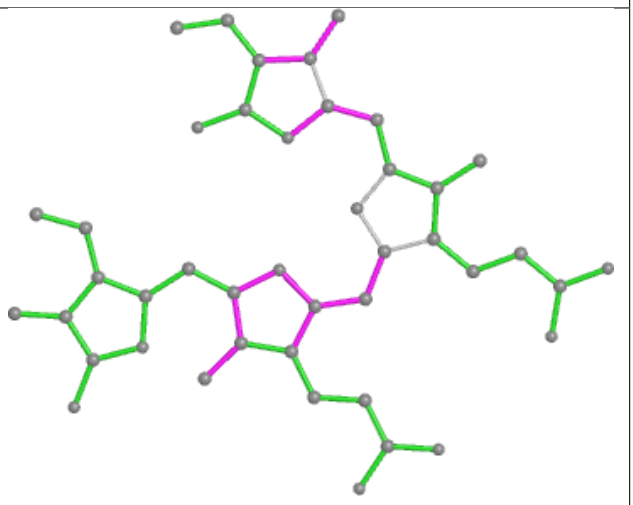
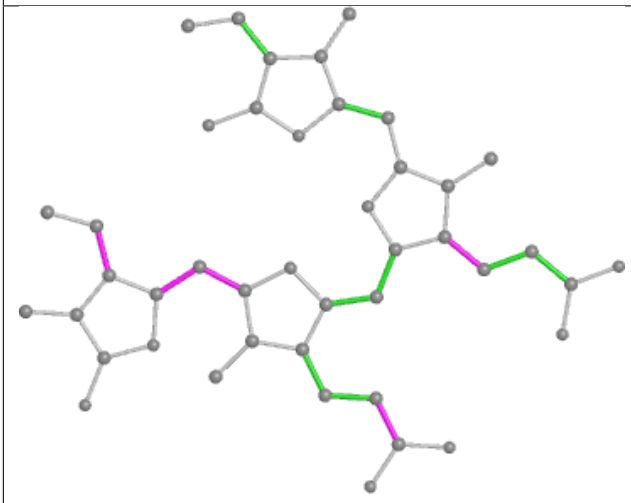


Bond angles



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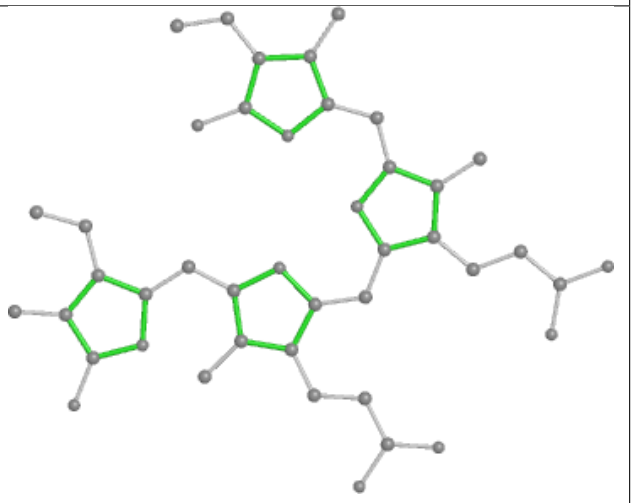

Rings

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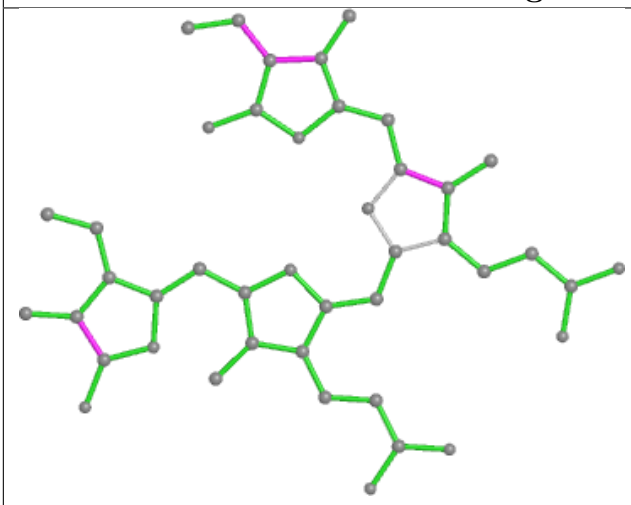

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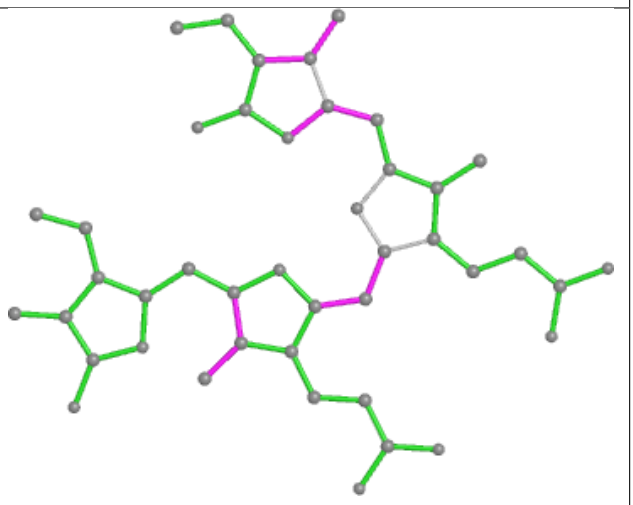

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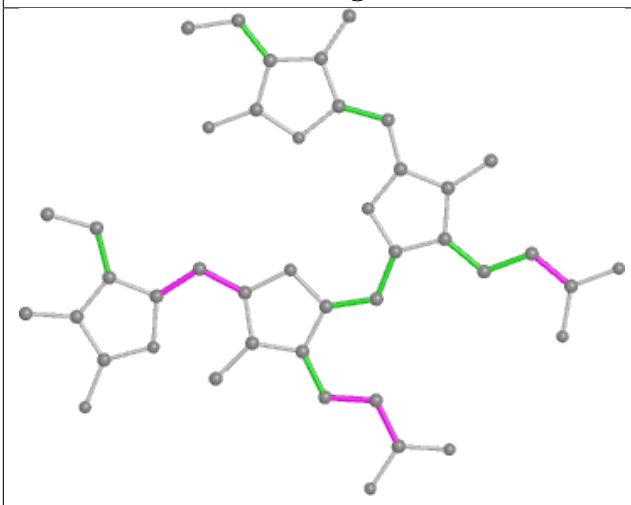

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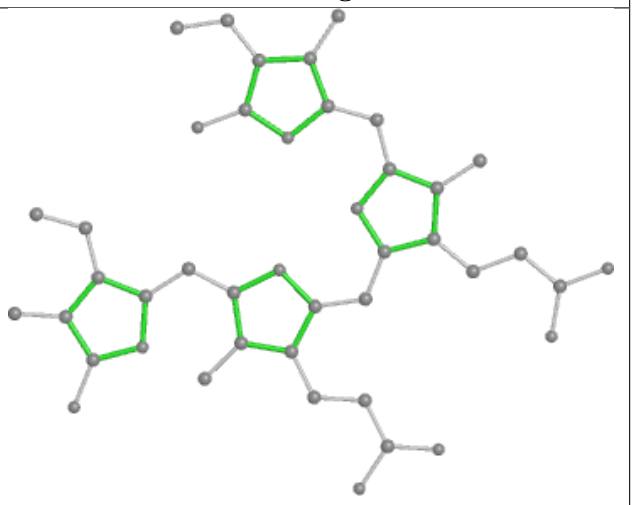
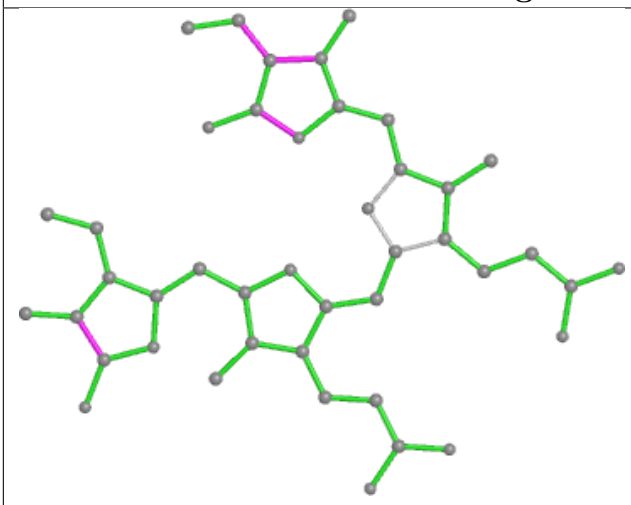
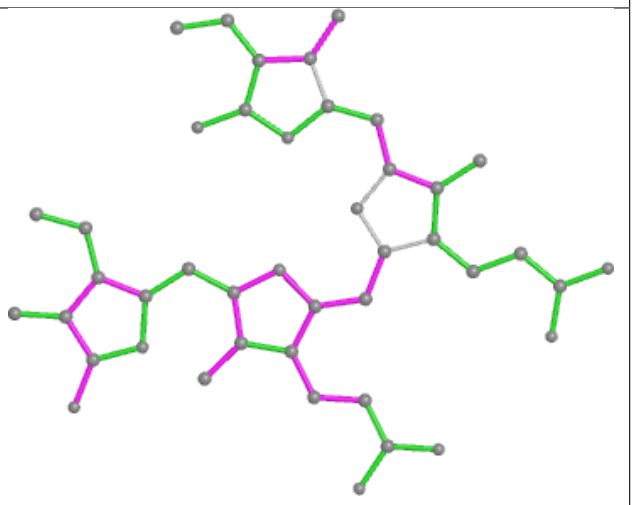


Rings

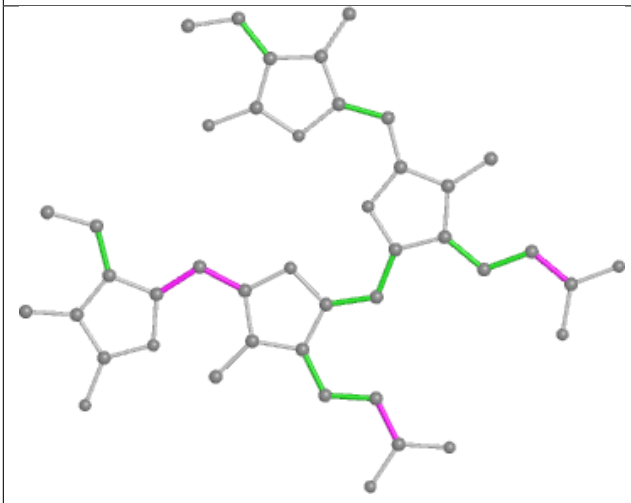
Ligand PEB V4 201



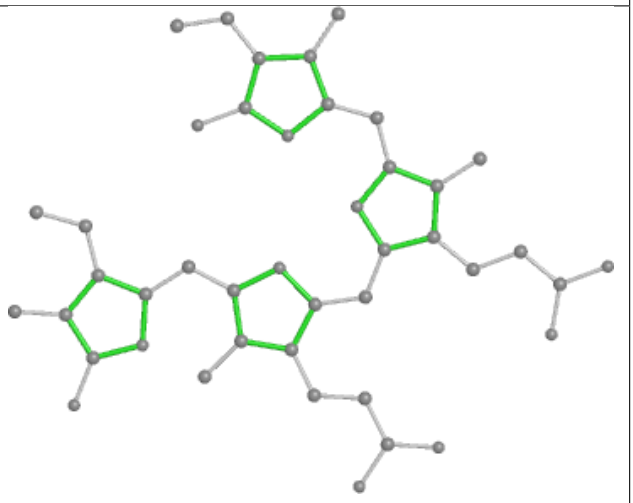
Bond lengths



Bond angles

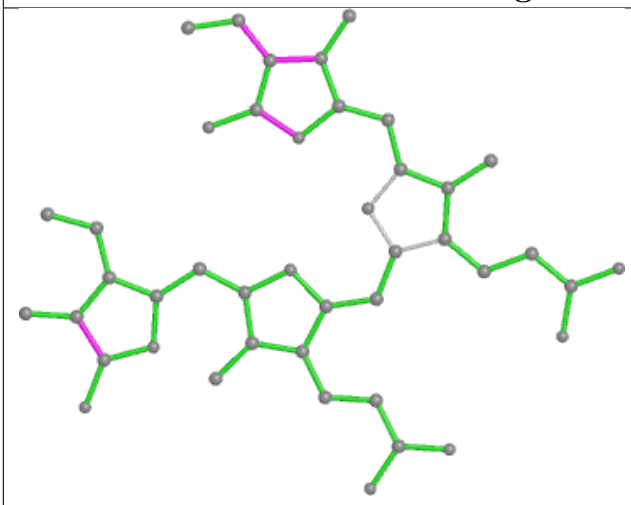


Torsions



Rings

Ligand PEB H3 201



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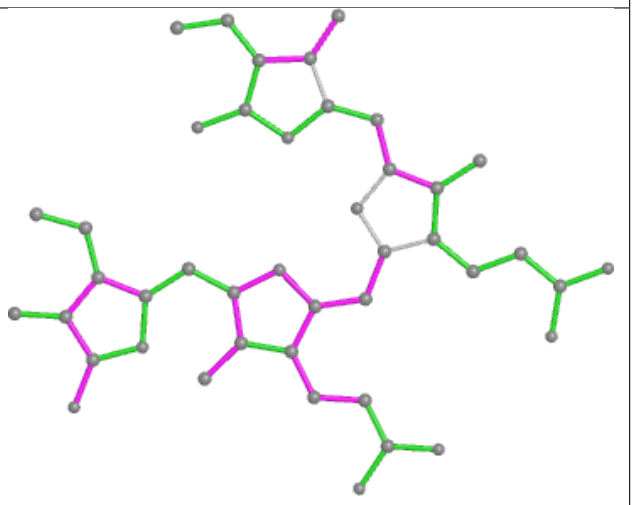

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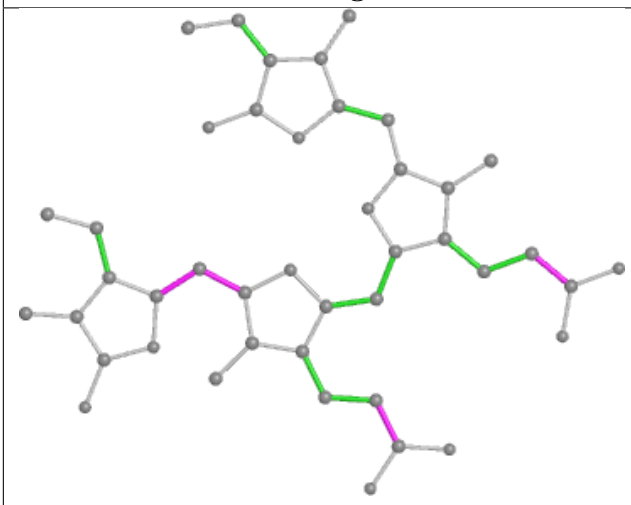

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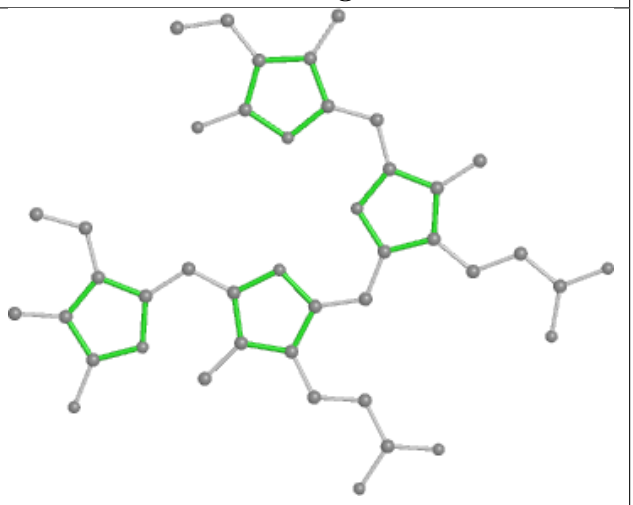
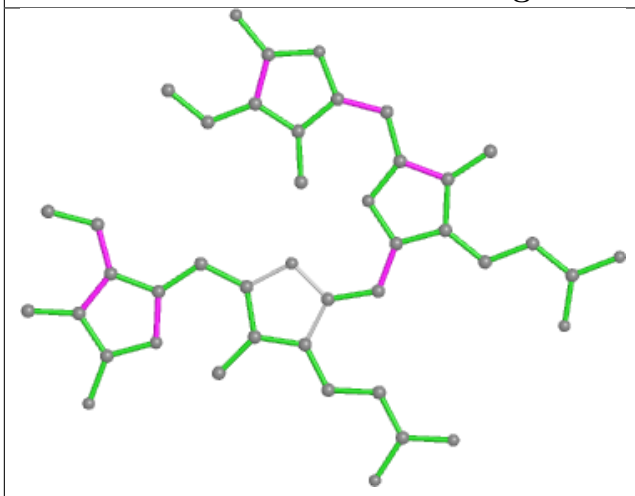


Rings

Ligand PVN D2 303



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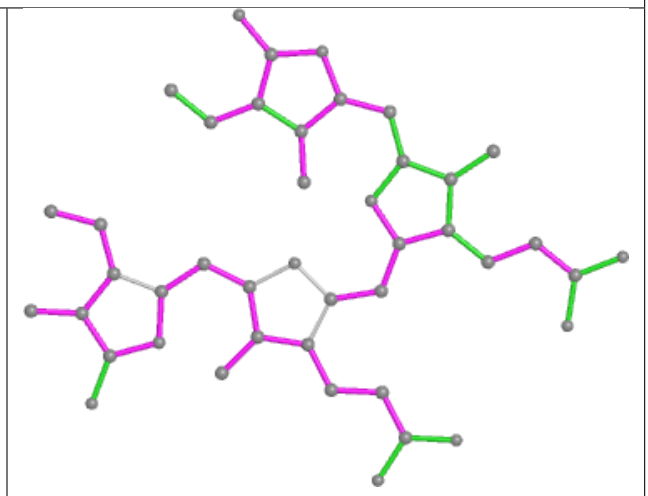

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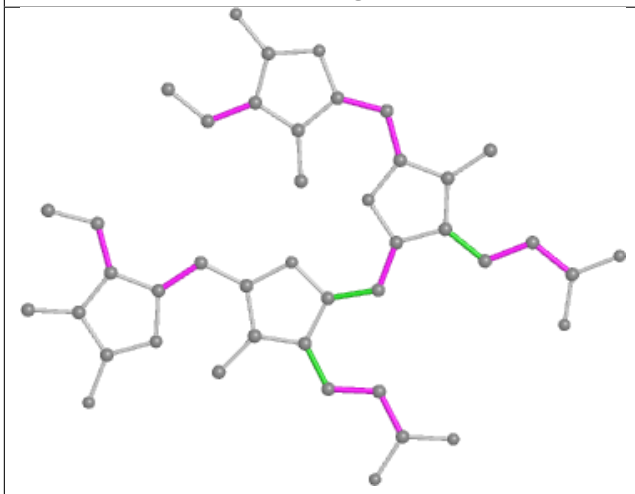

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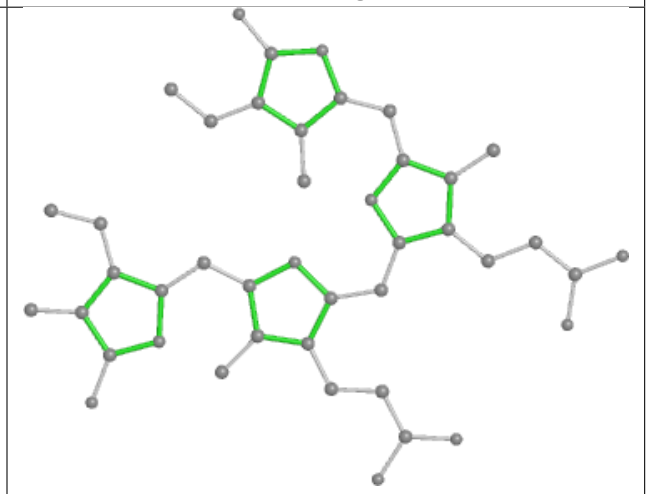

Rings

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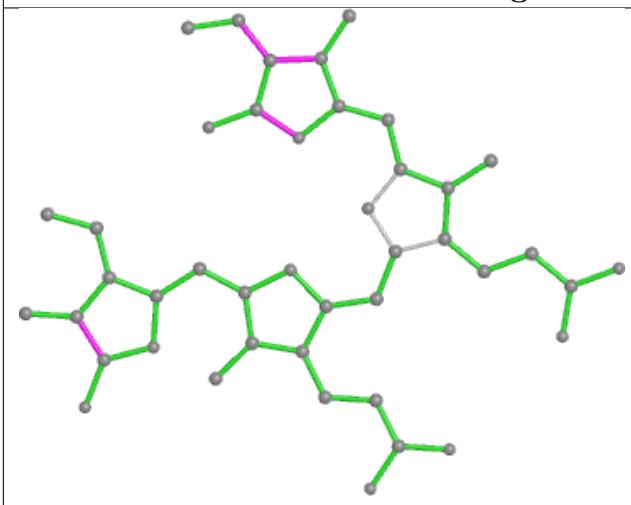

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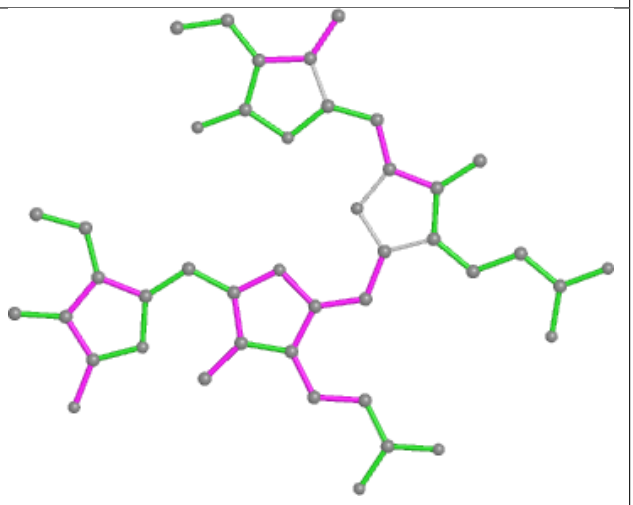

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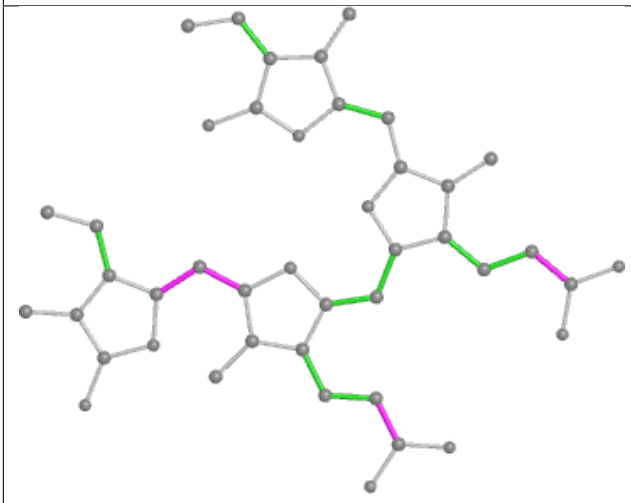

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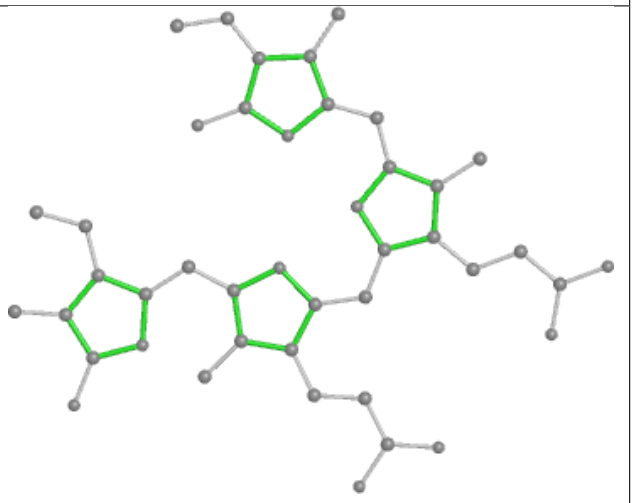
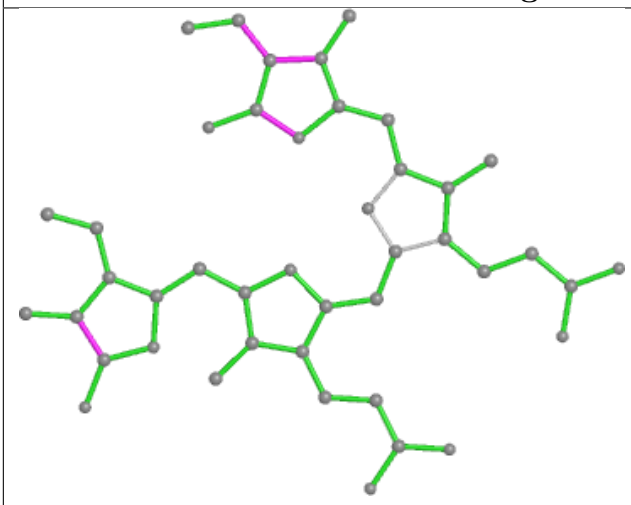


Rings

Ligand PEB c8 302



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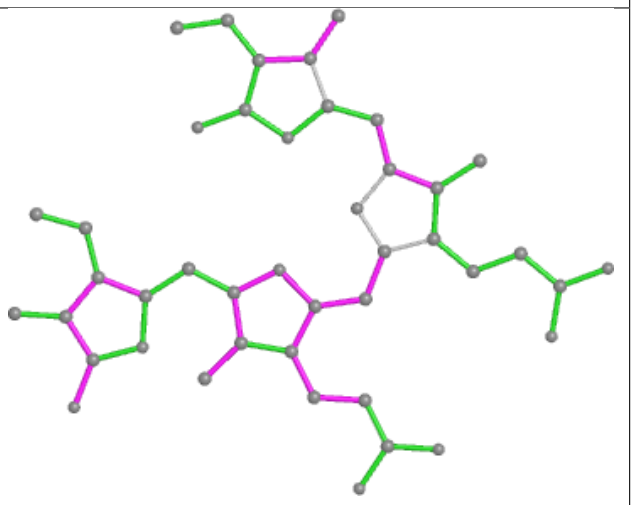

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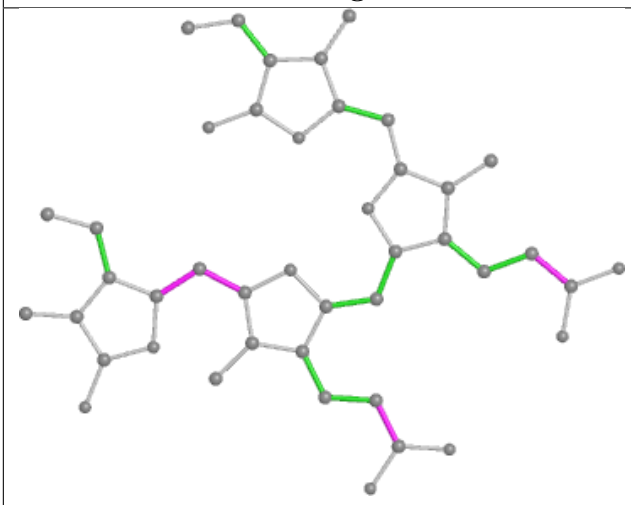

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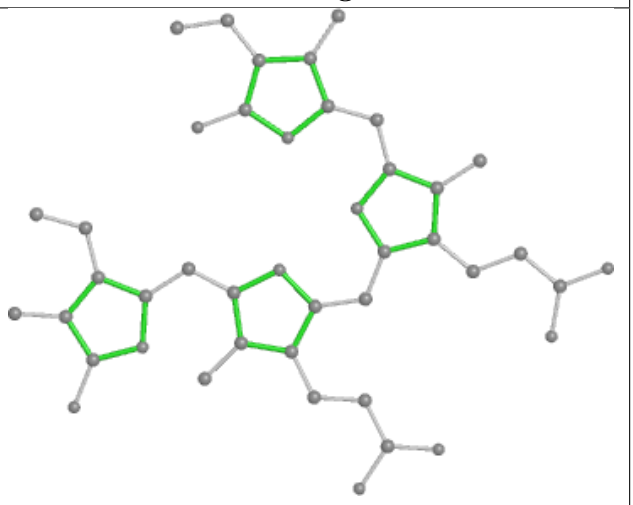

Rings

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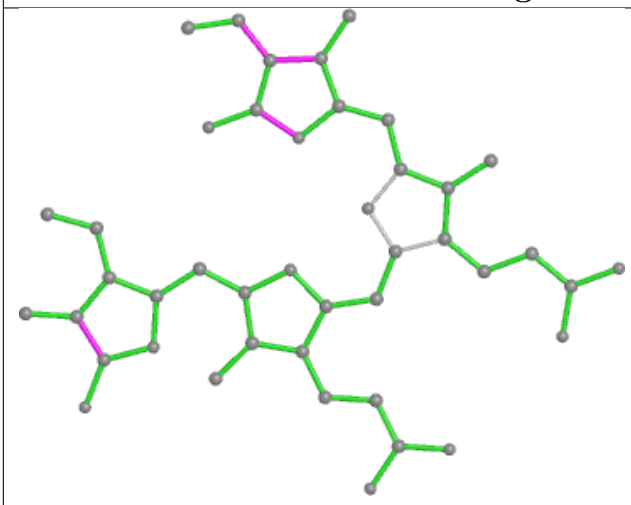

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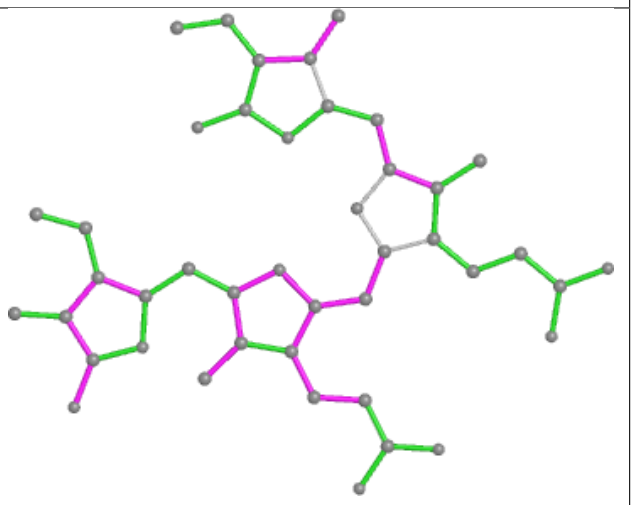

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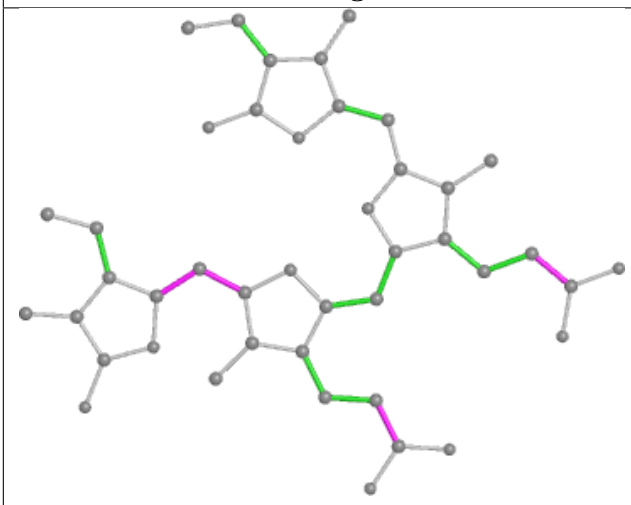

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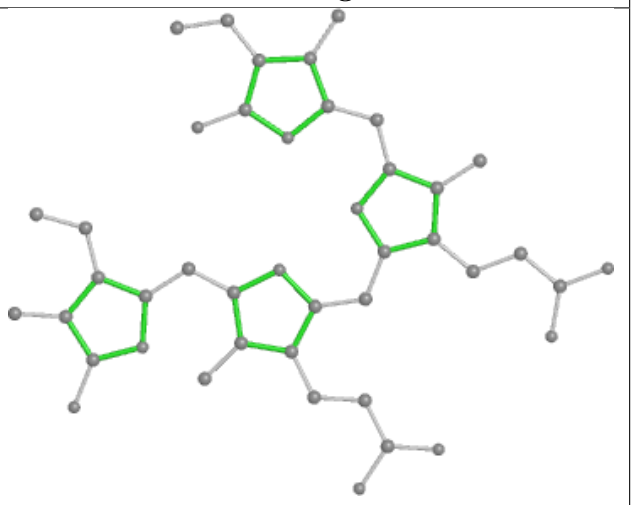
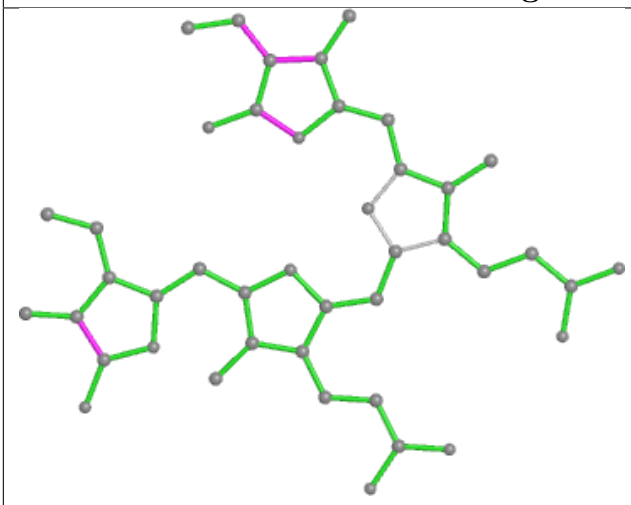


Rings

Ligand PEB t3 201



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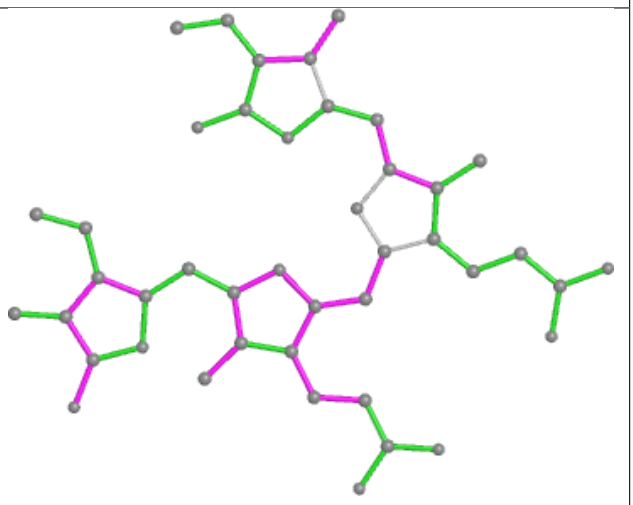

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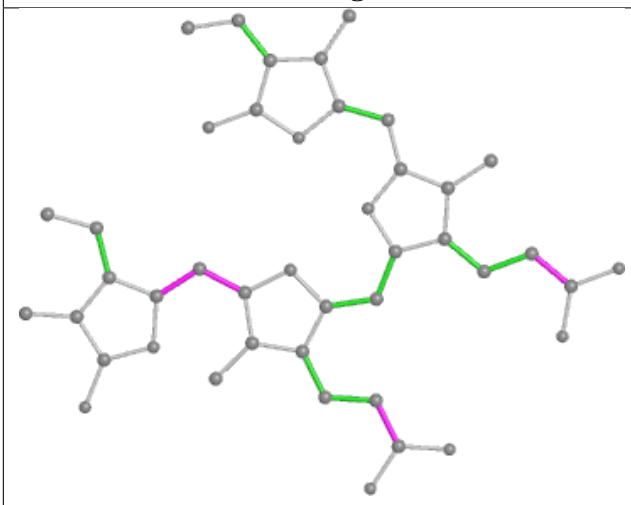

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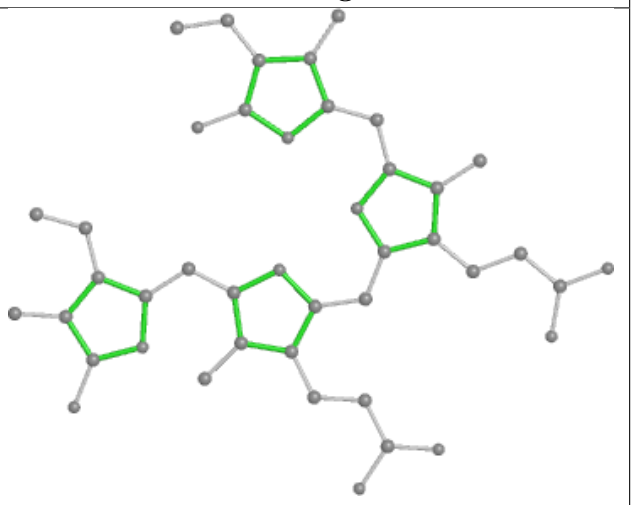

Rings

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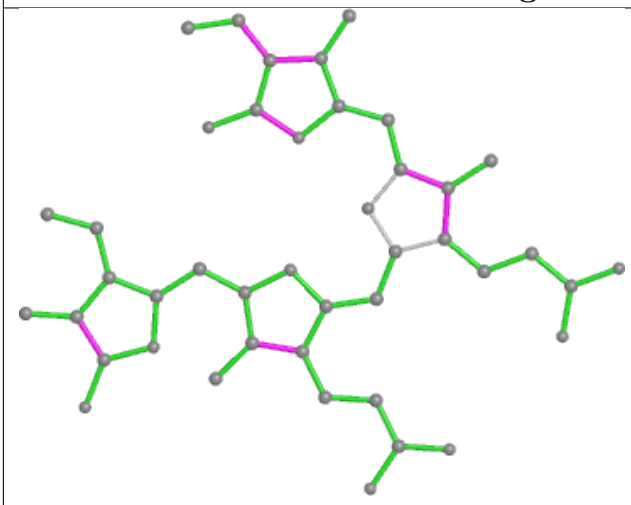

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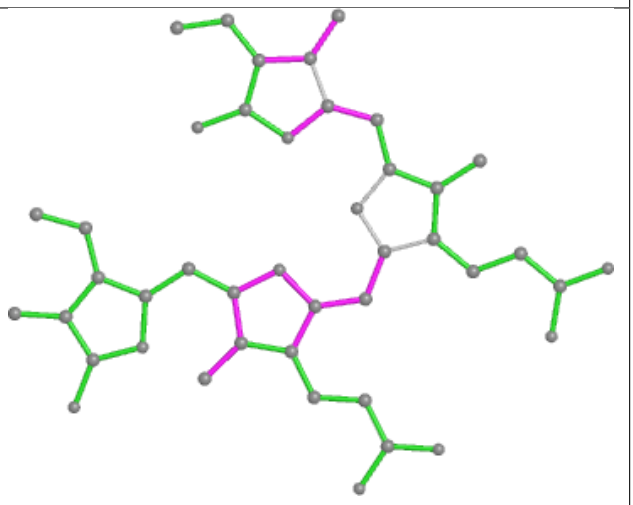

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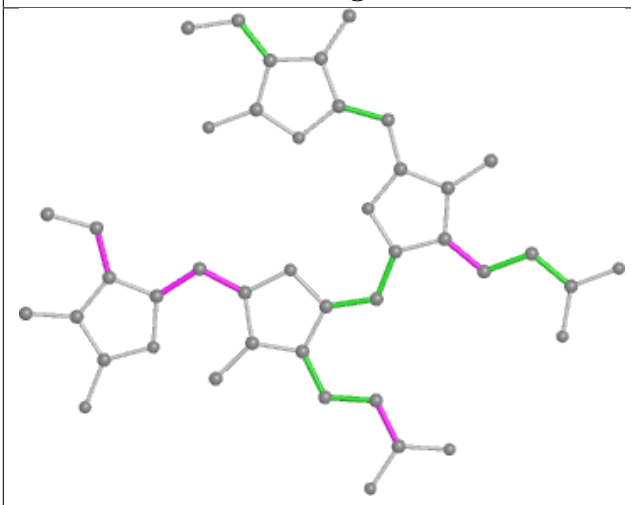

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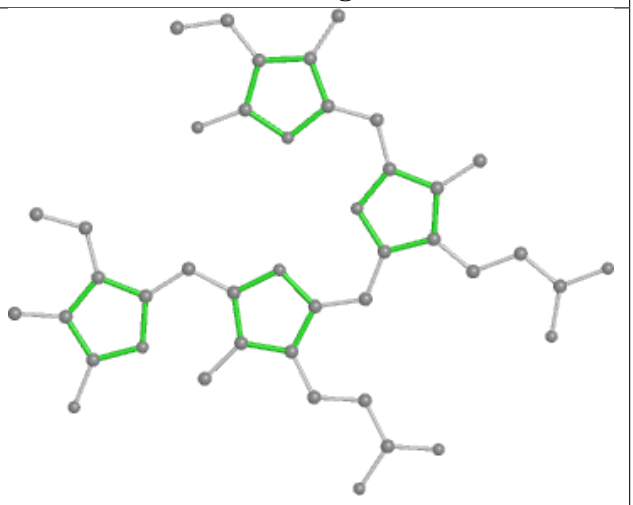

Rings

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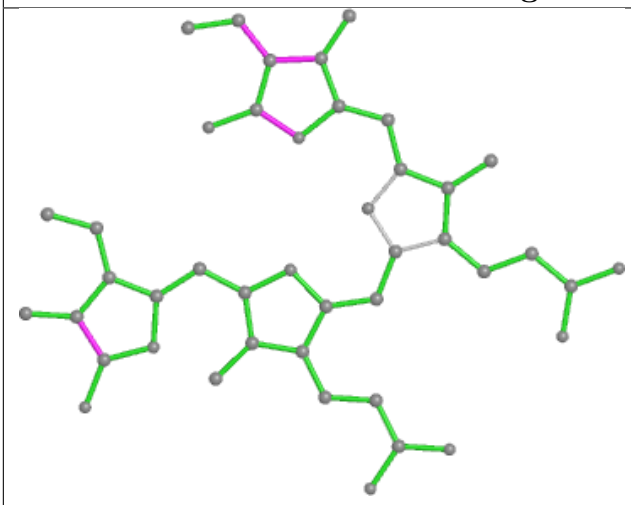

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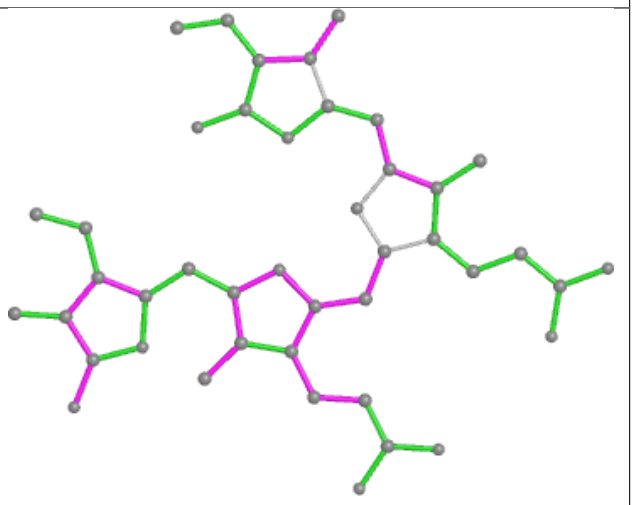

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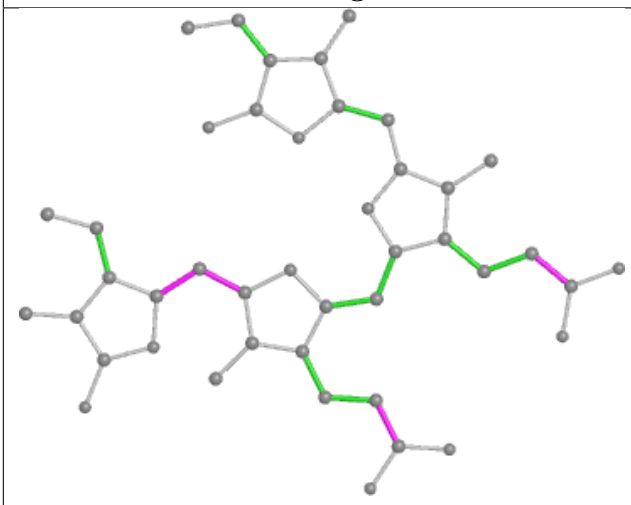

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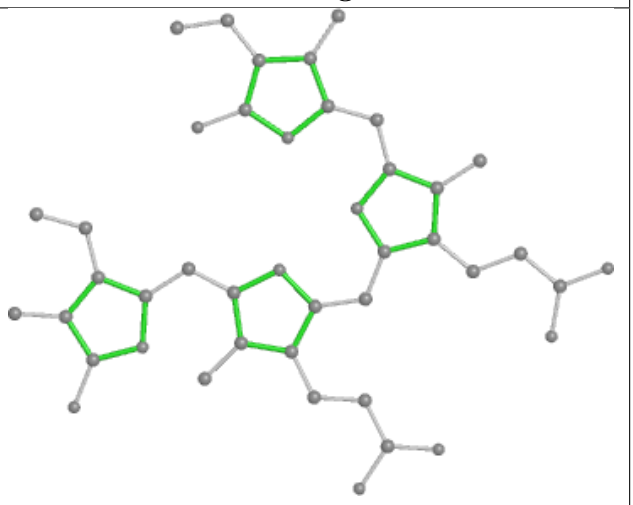
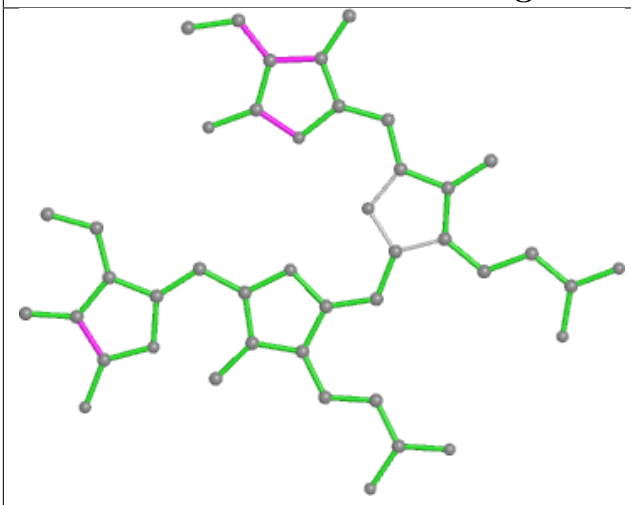


Rings

Ligand PEB hB 201



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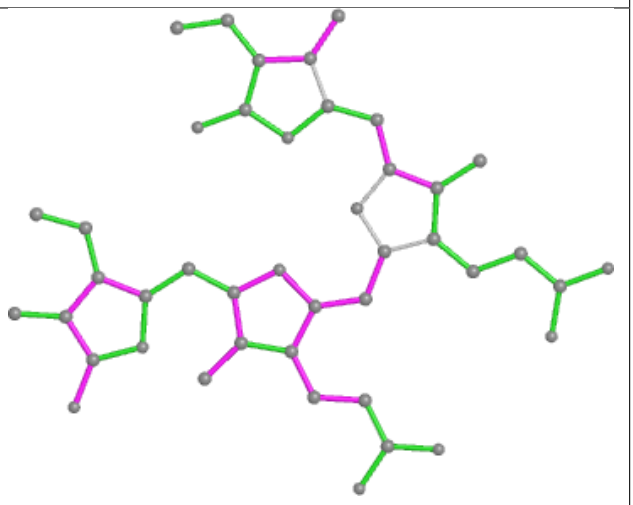

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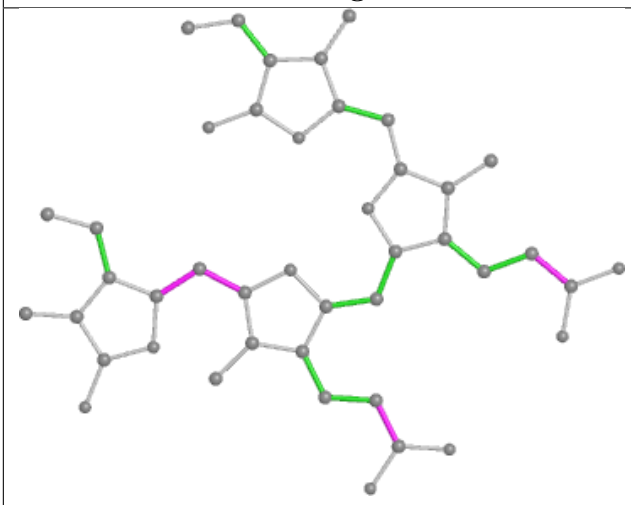

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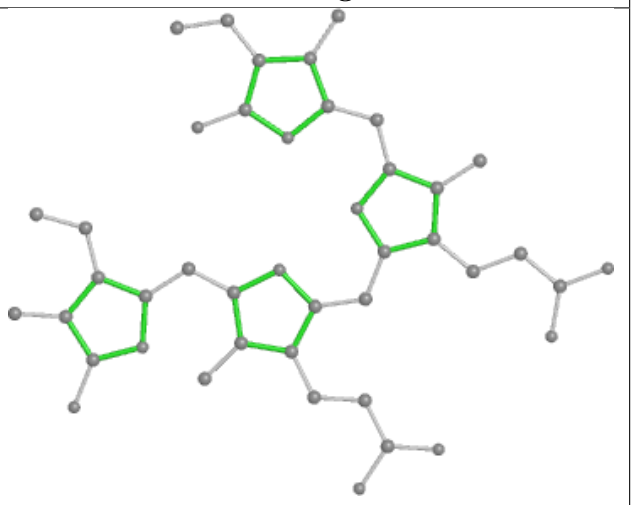
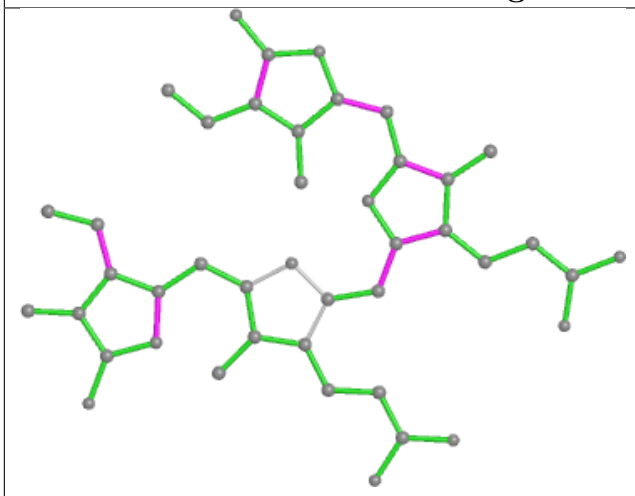


Rings

Ligand PVN b8 1004



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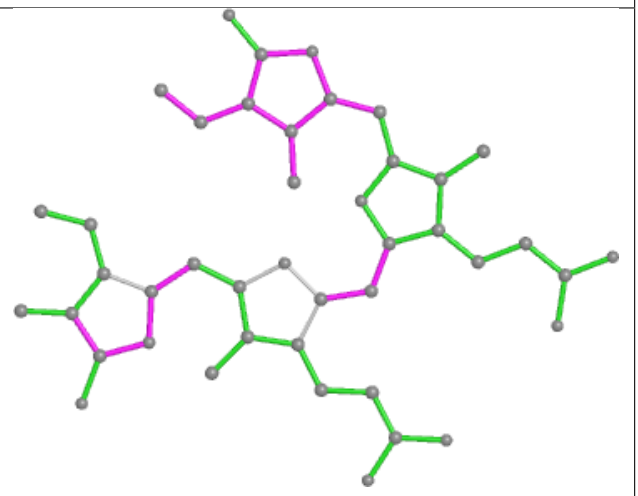

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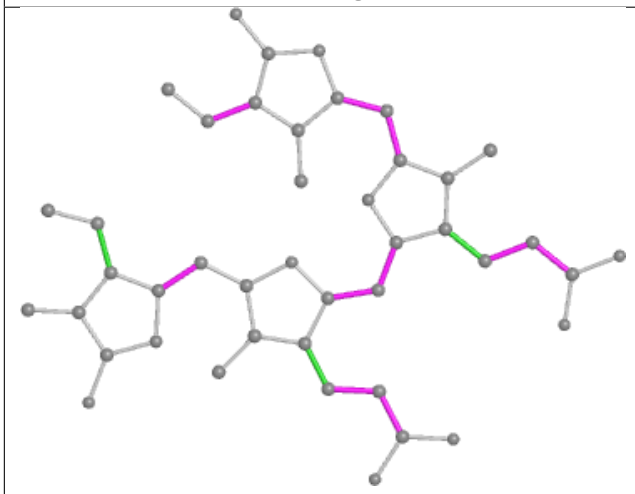

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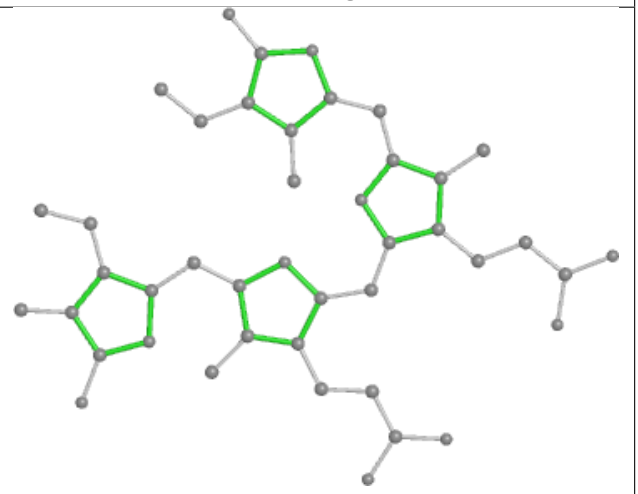
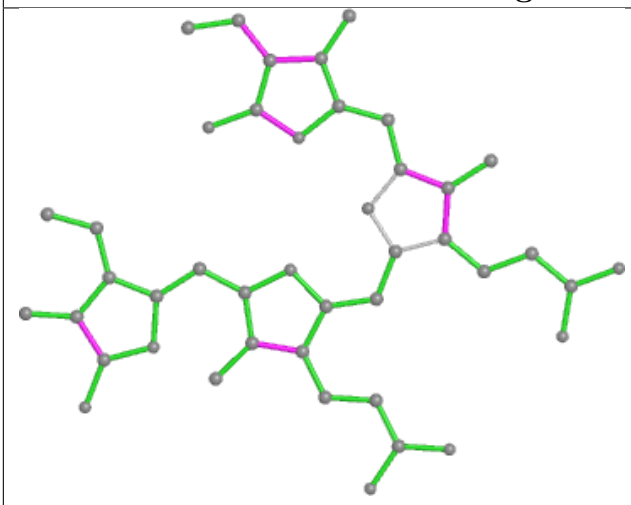


Rings

Ligand PEB bP 202



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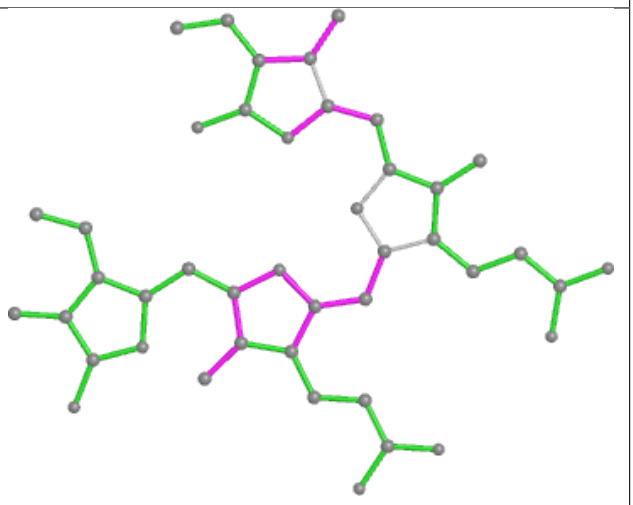

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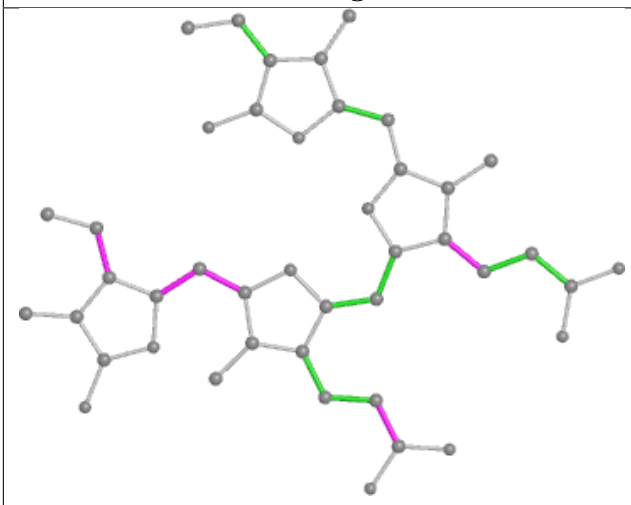

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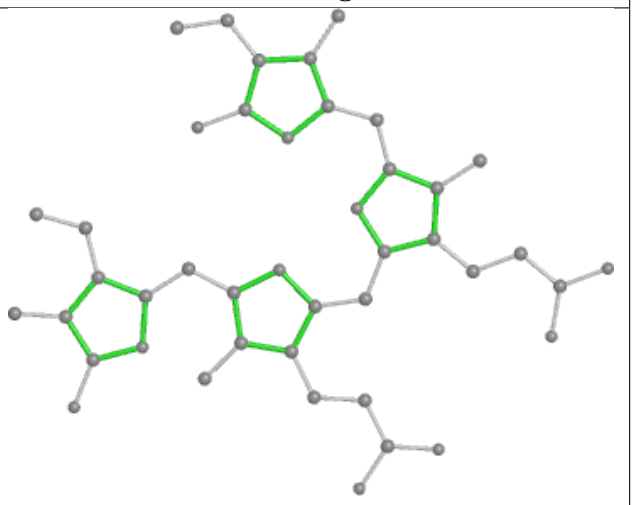
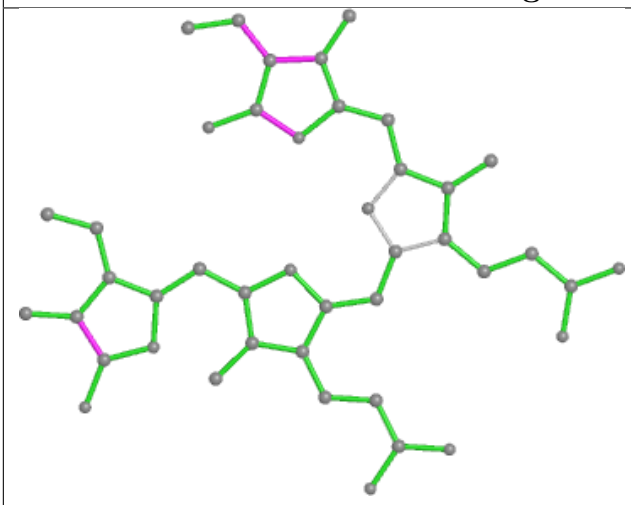


Rings

Ligand PEB lb 202



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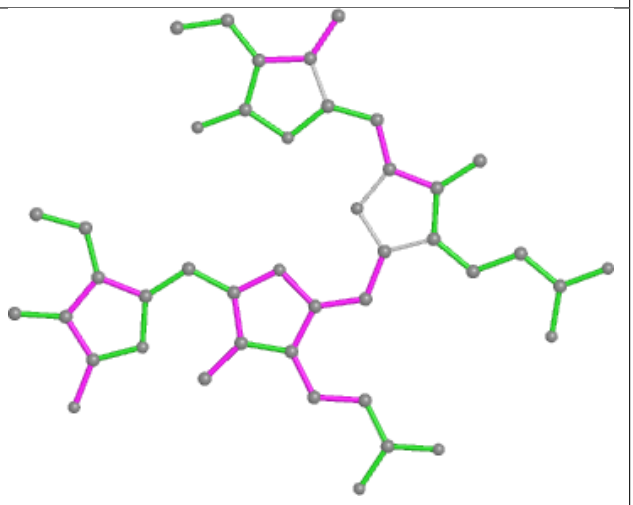
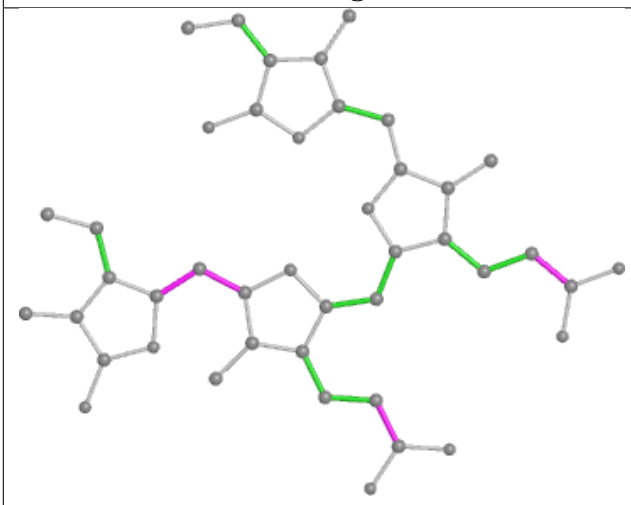


Bond angles



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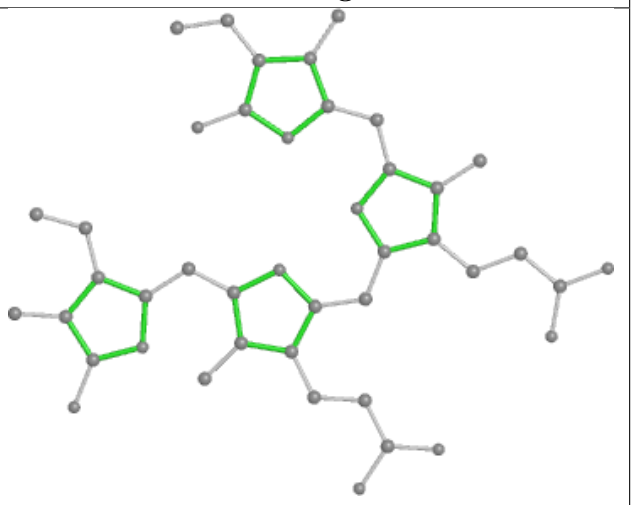

Rings

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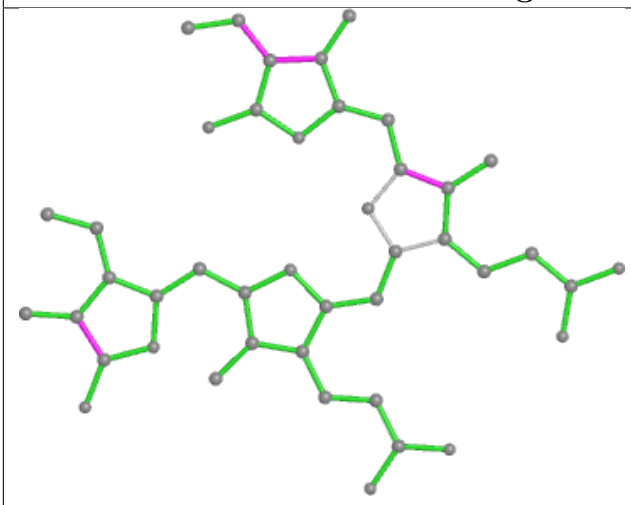

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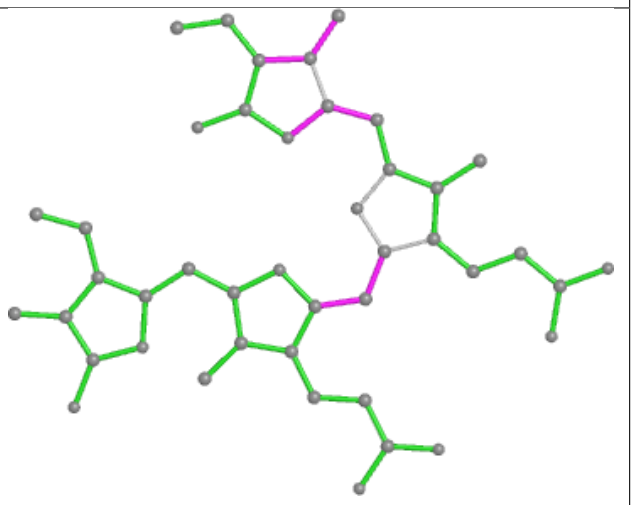
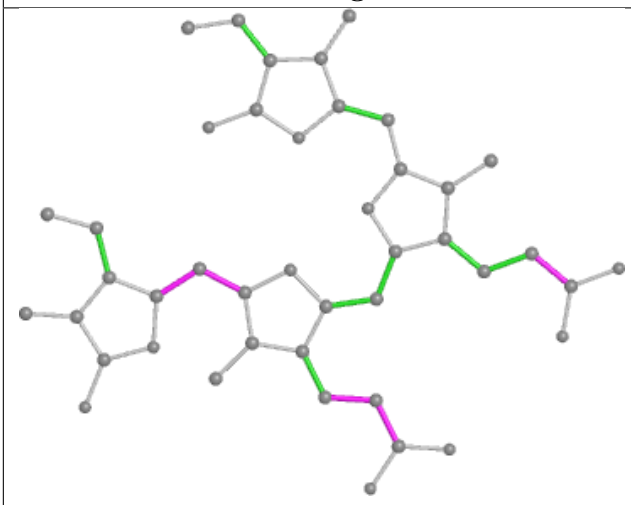
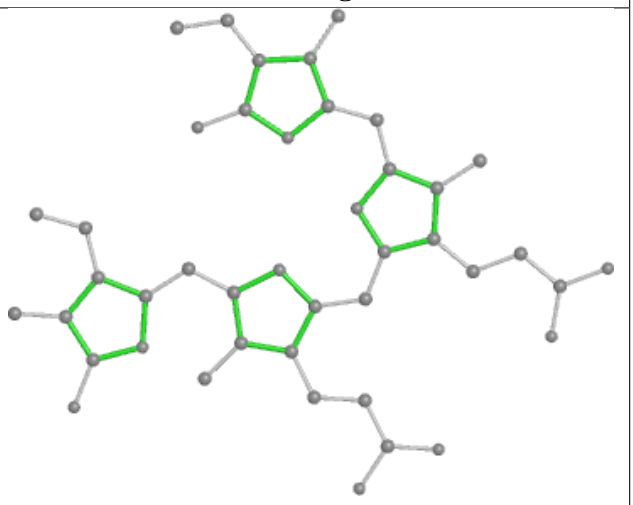


Bond angles

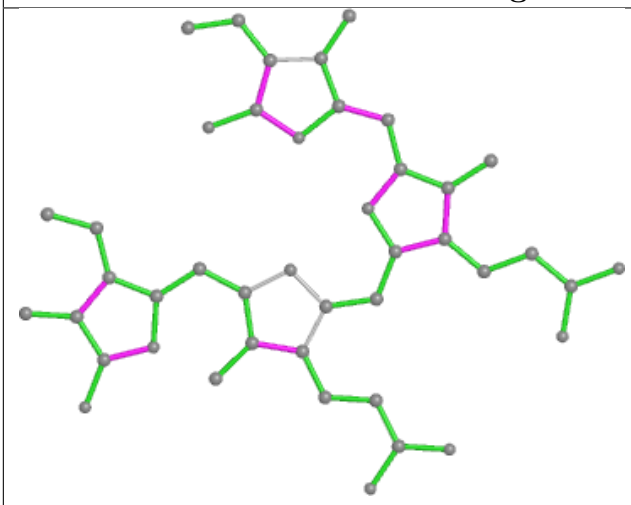


Torsions



Rings

Ligand PUB bs 1004



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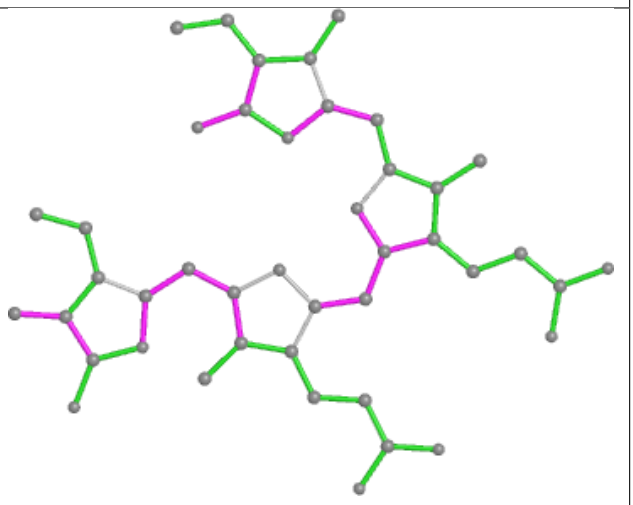

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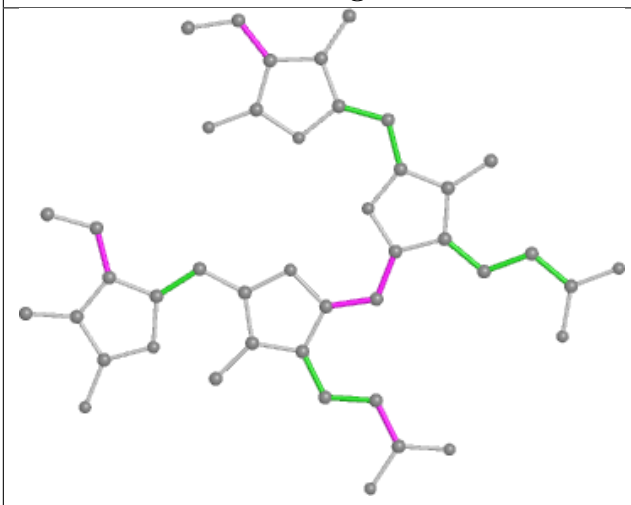

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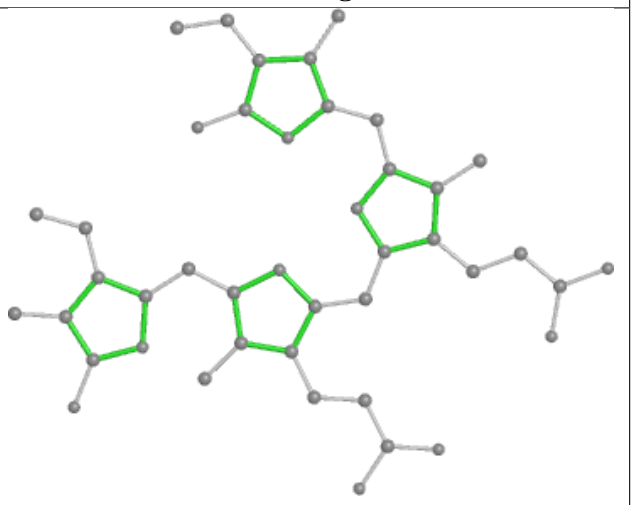
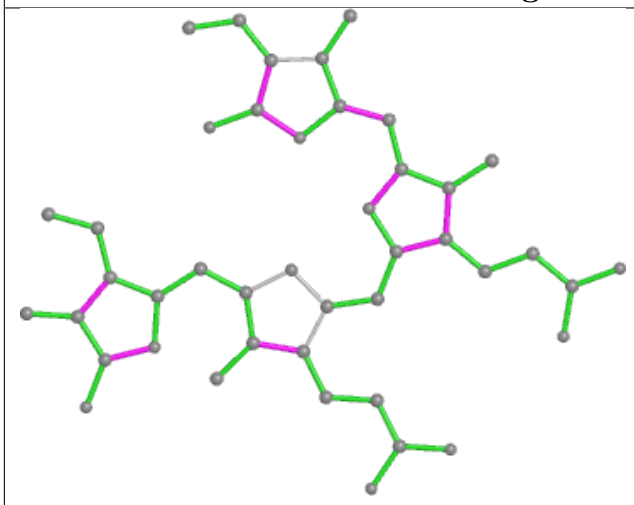


Rings

Ligand PUB ln 203



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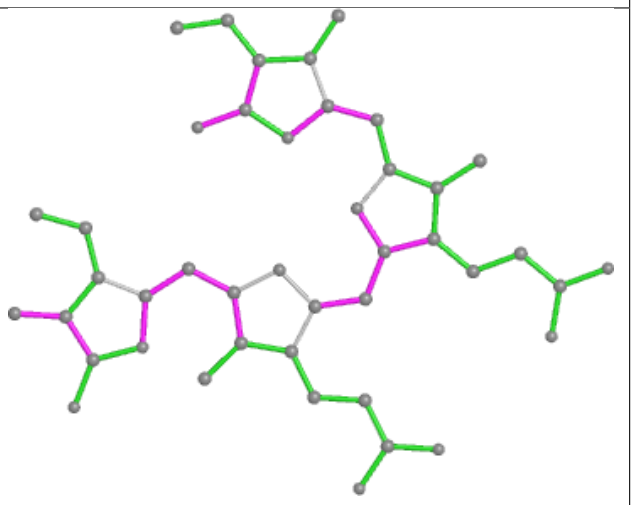

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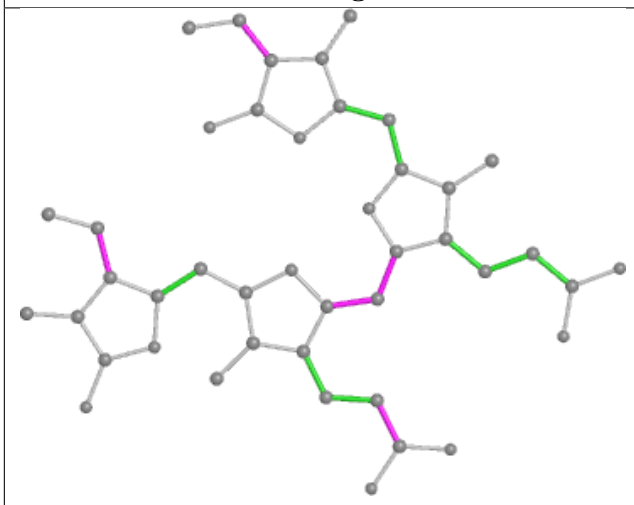

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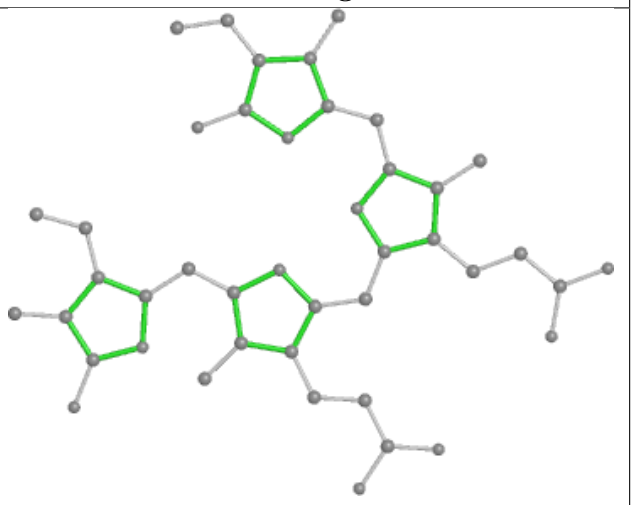
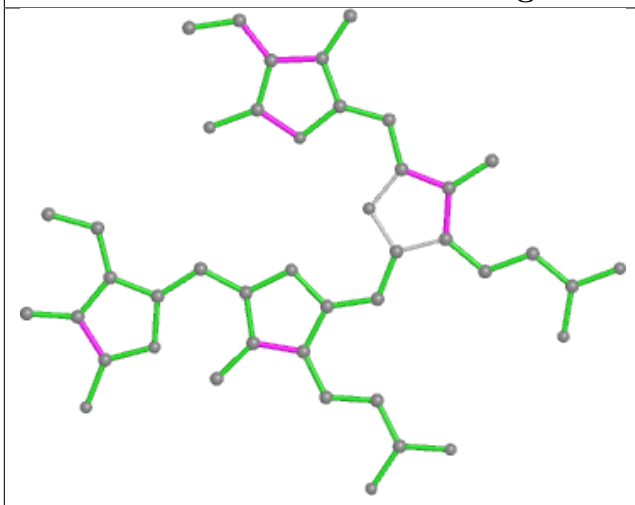


Rings

Ligand PEB B3 202



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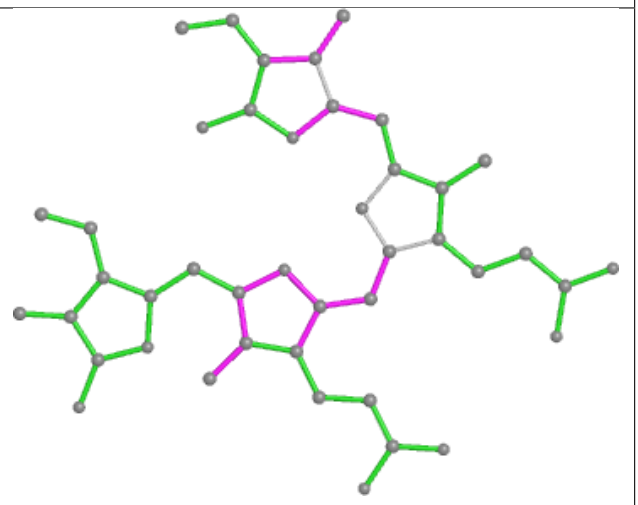
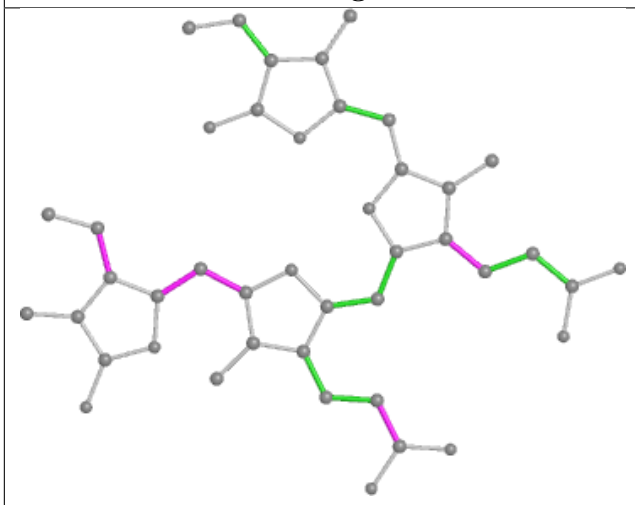


Bond angles



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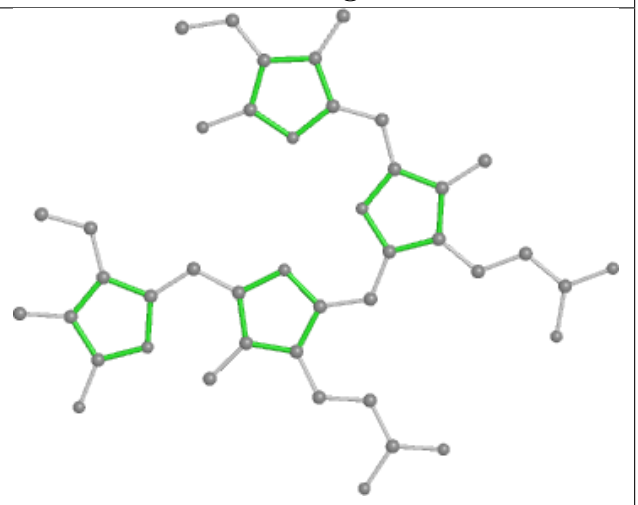
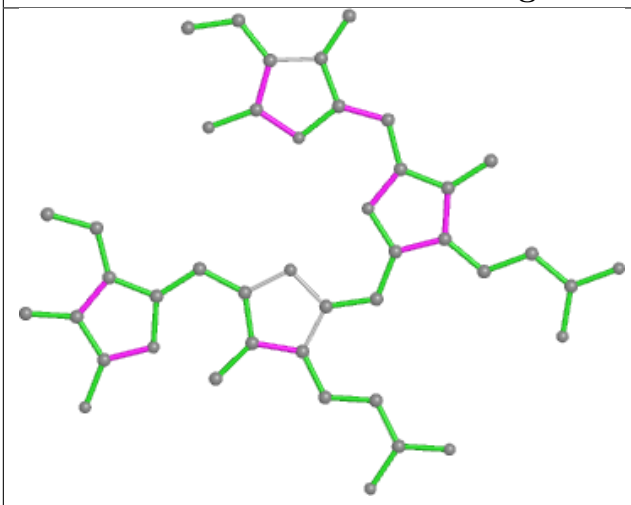


Rings

Ligand PUB z2 203



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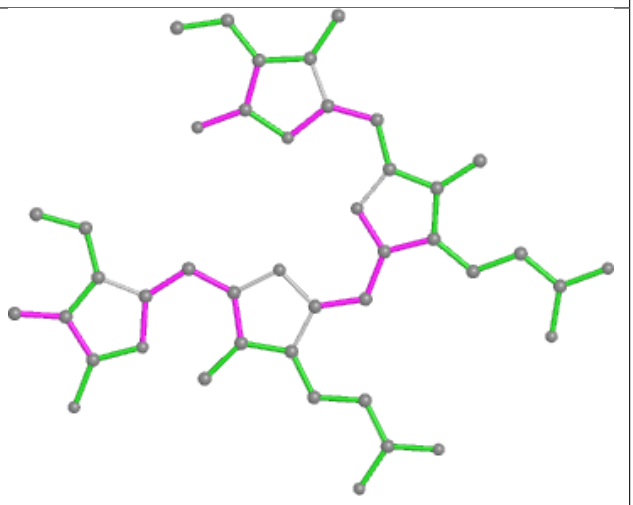
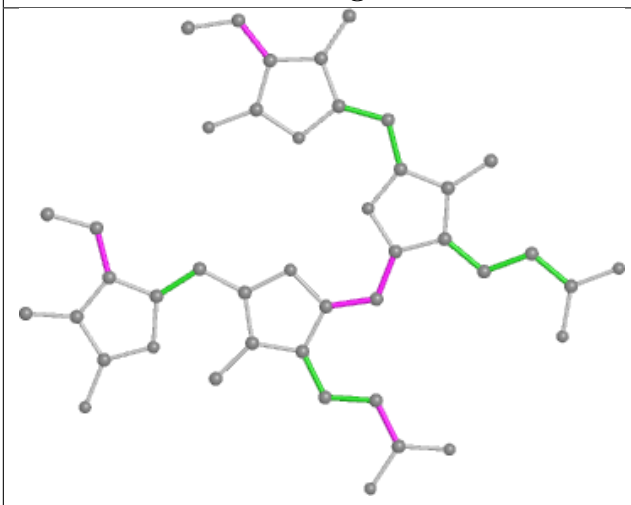


Bond angles



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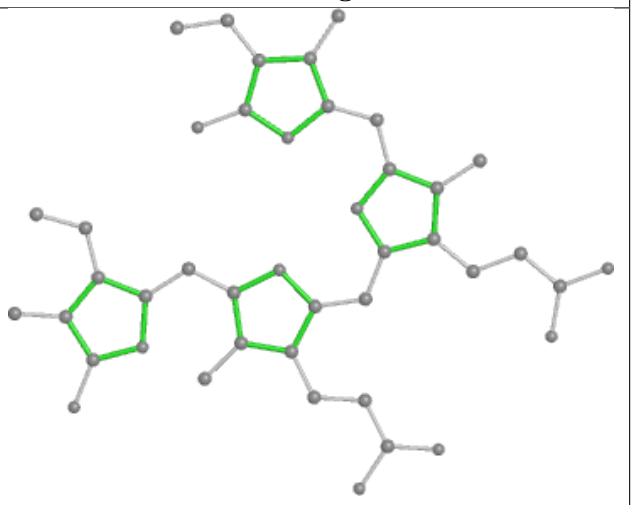

Rings

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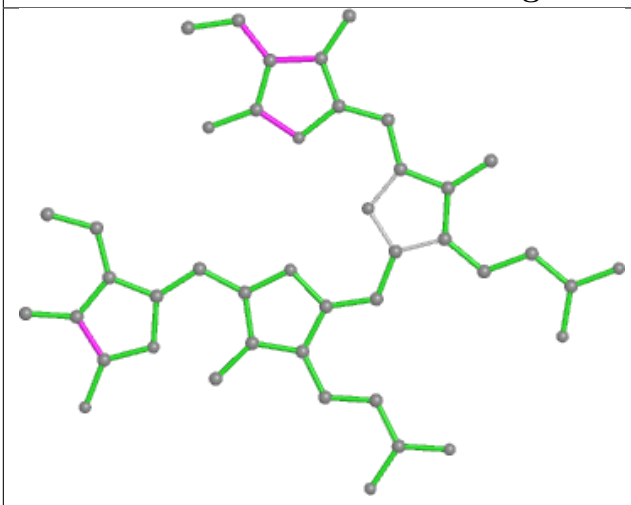

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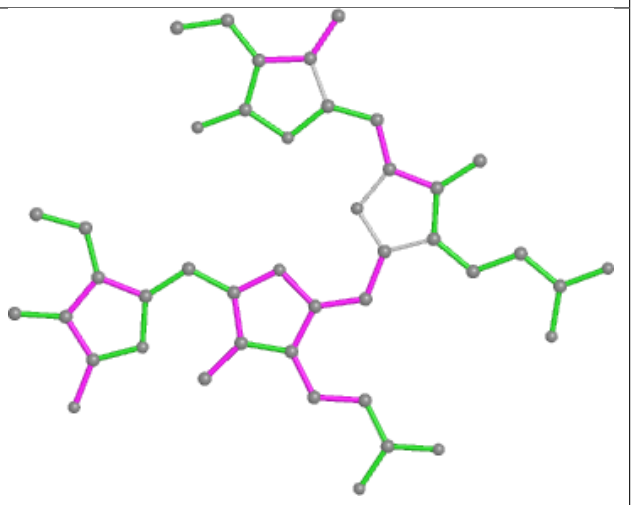

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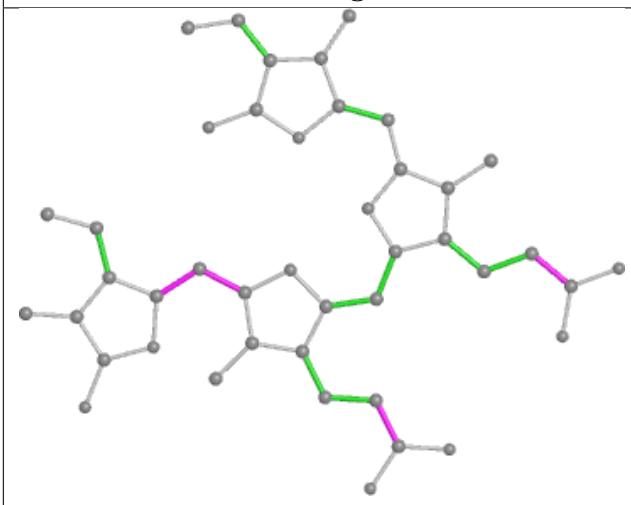

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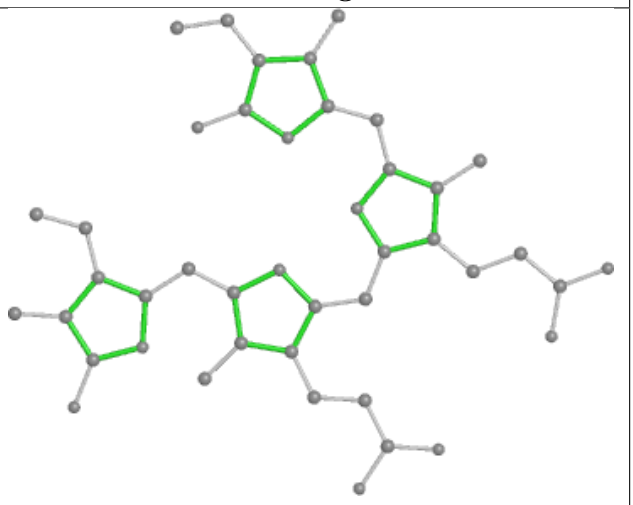

Rings

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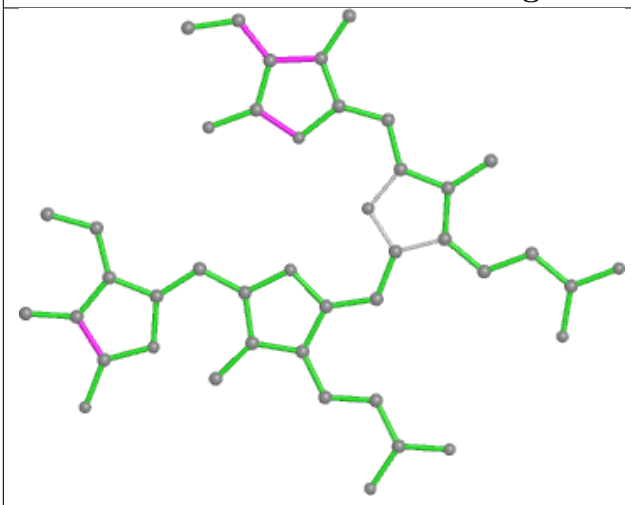

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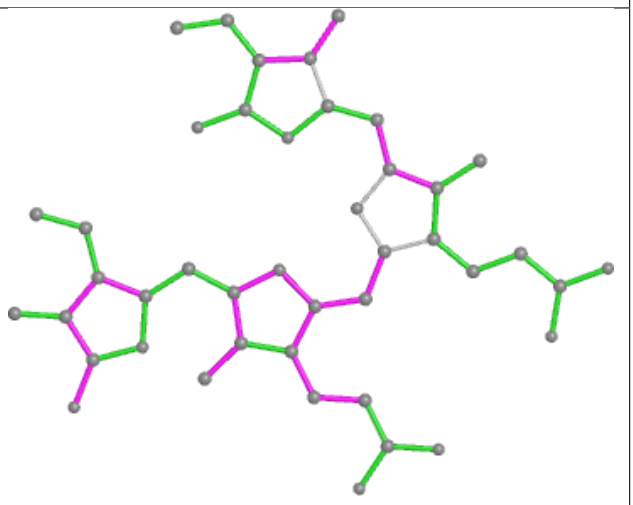

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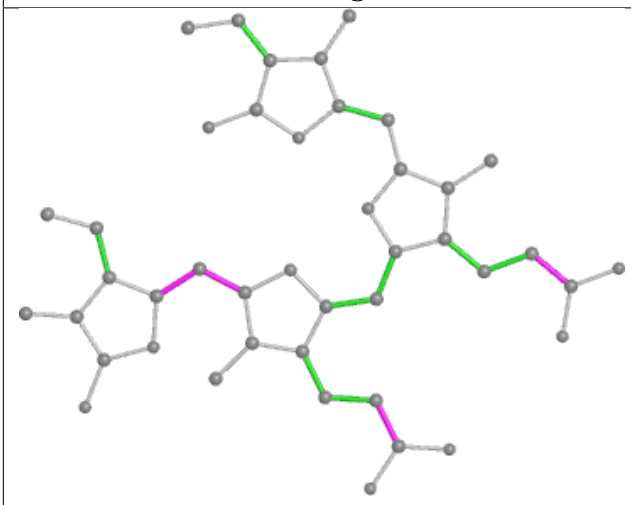

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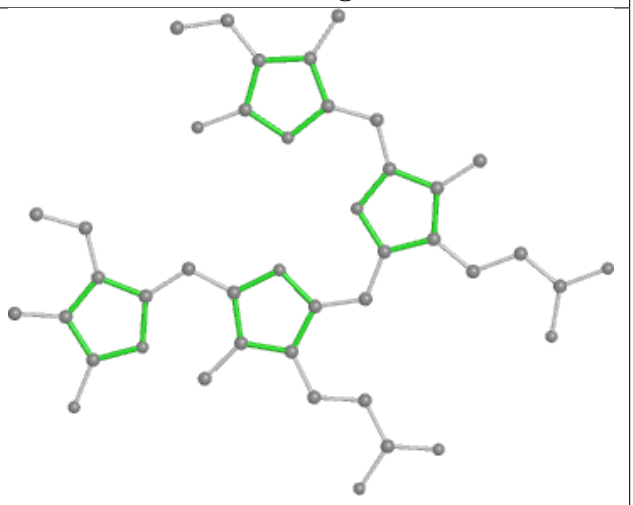
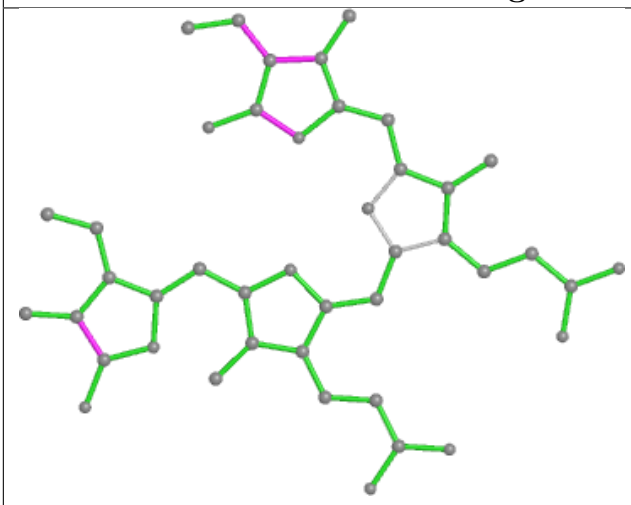


Rings

Ligand PEB cT 1001



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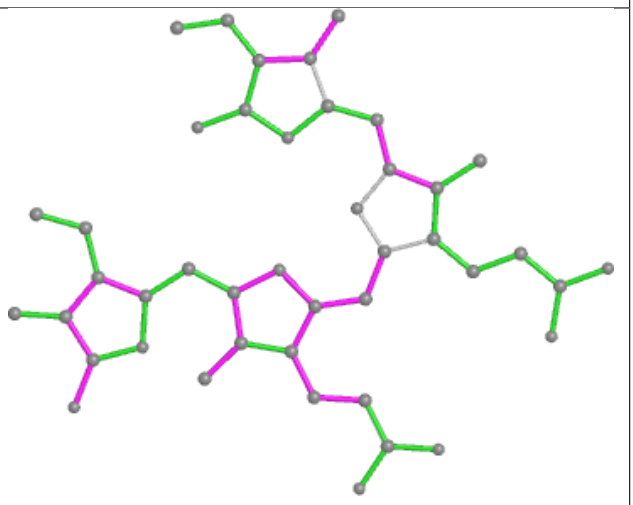

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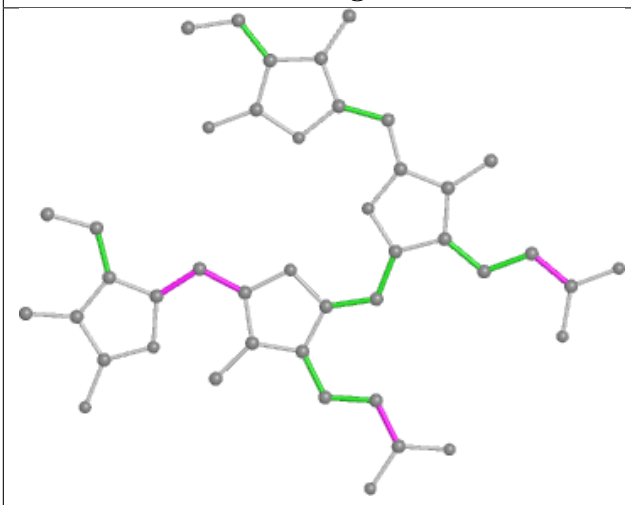

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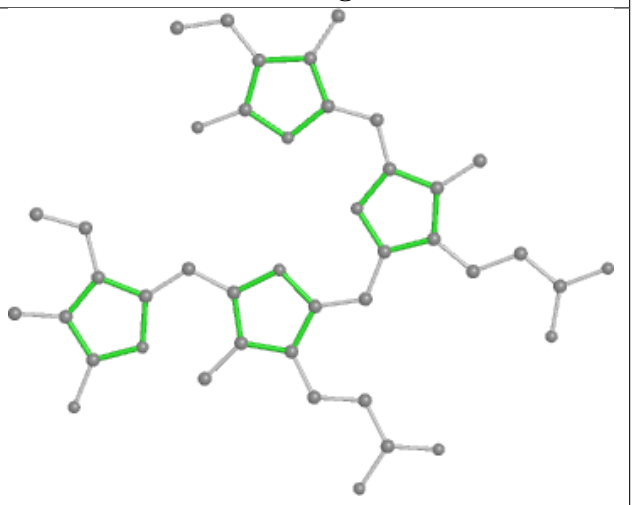
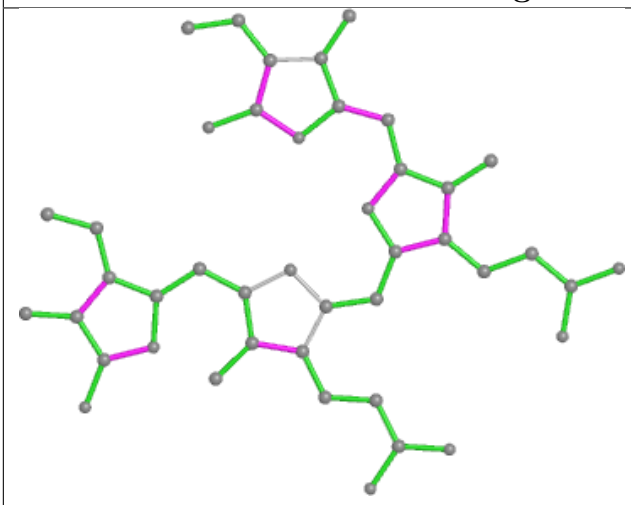


Rings

Ligand PUB V9 203



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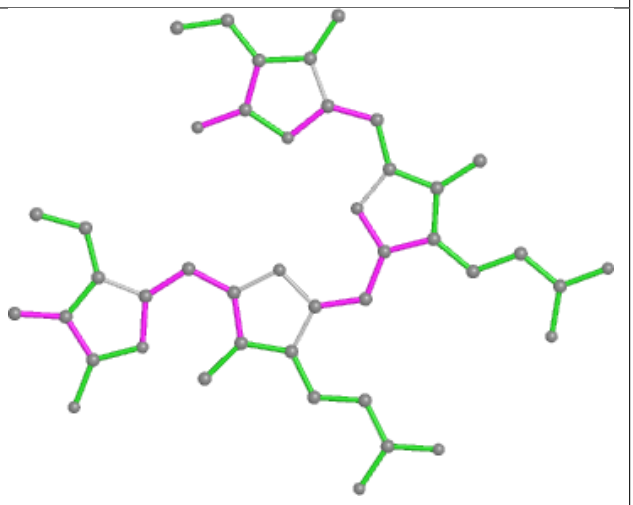

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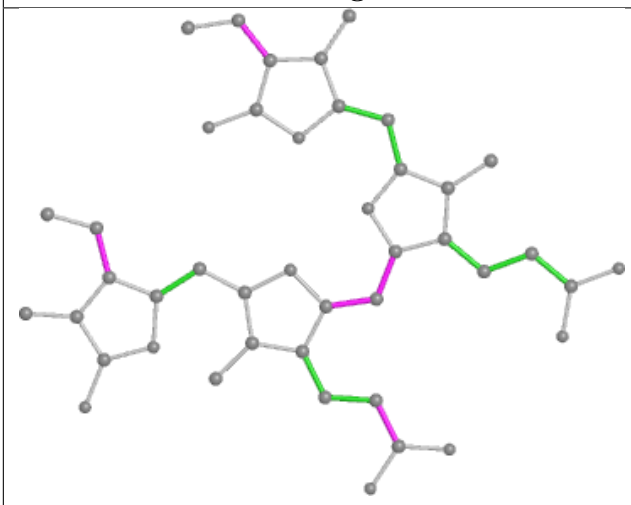

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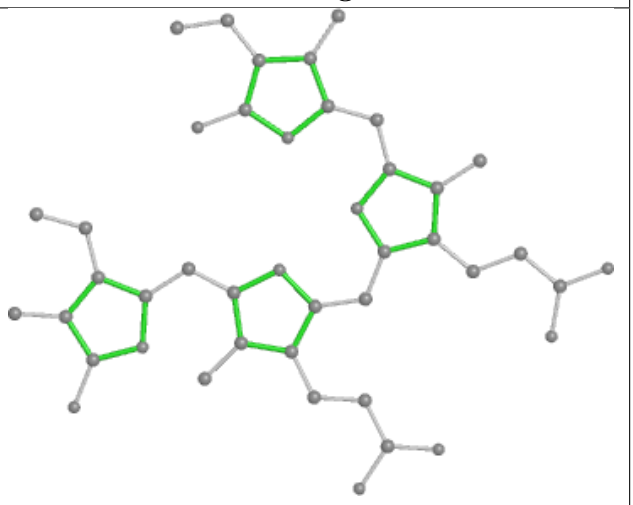
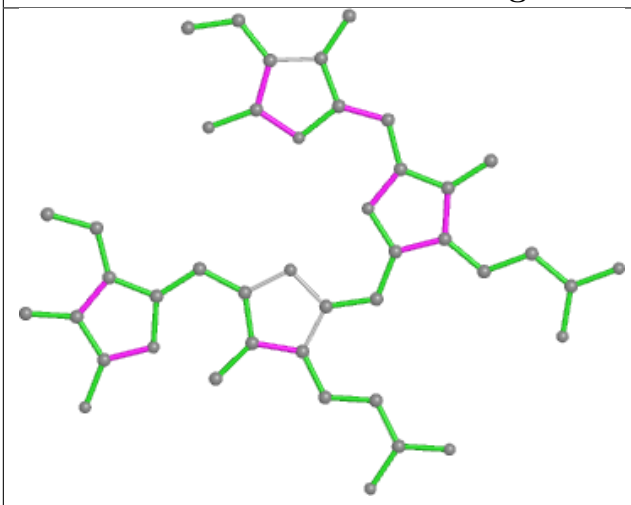


Rings

Ligand PUB ey 1005



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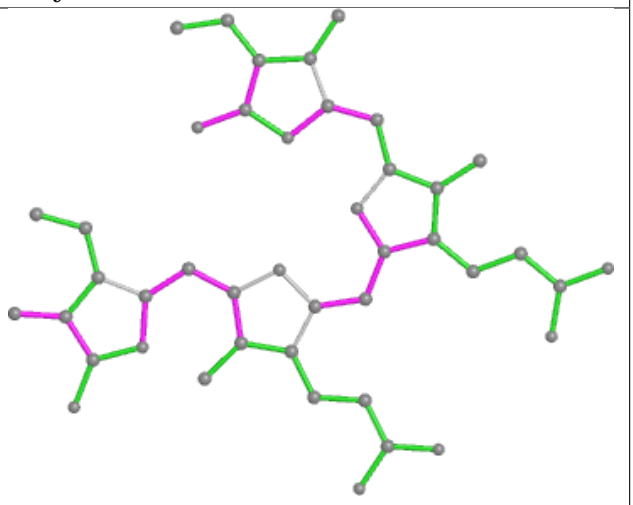

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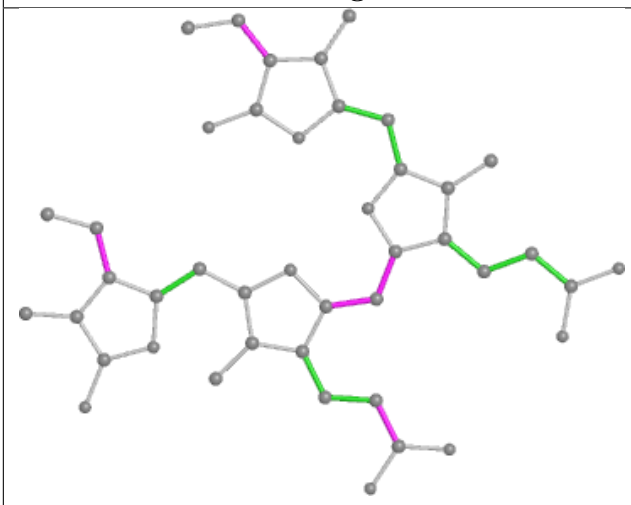

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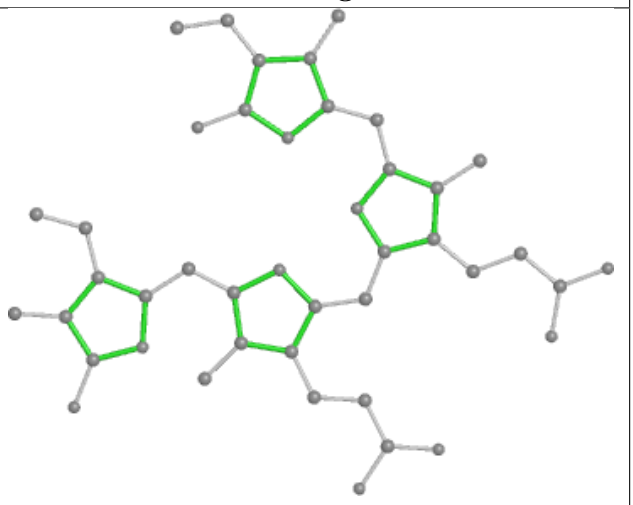
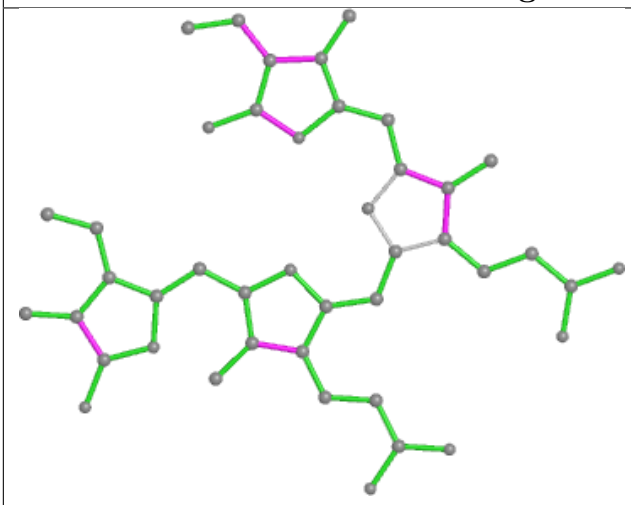


Rings

Ligand PEB n8 201



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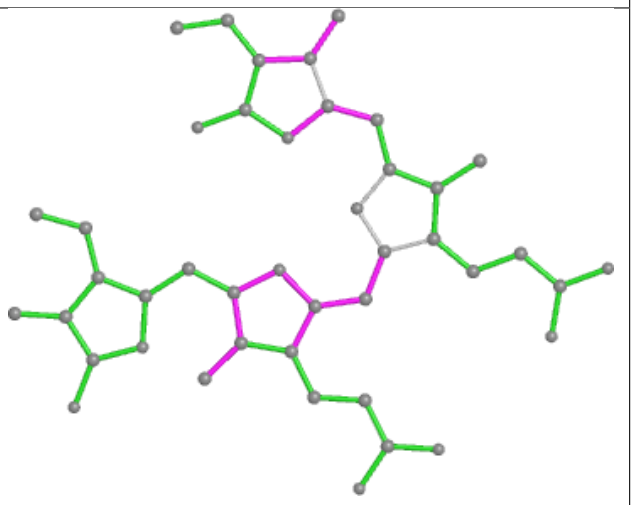
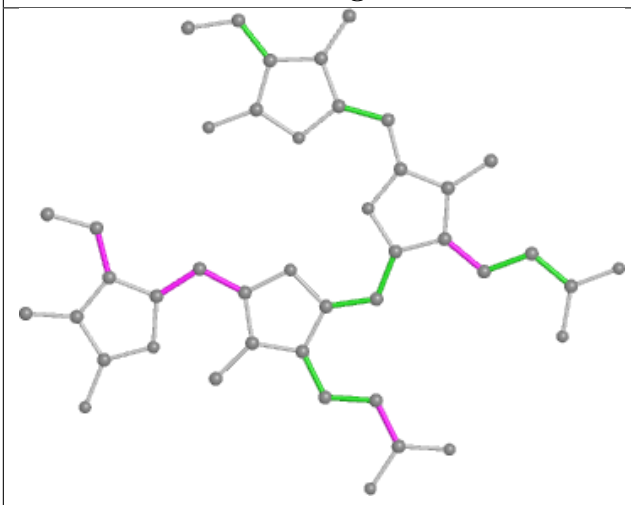


Bond angles



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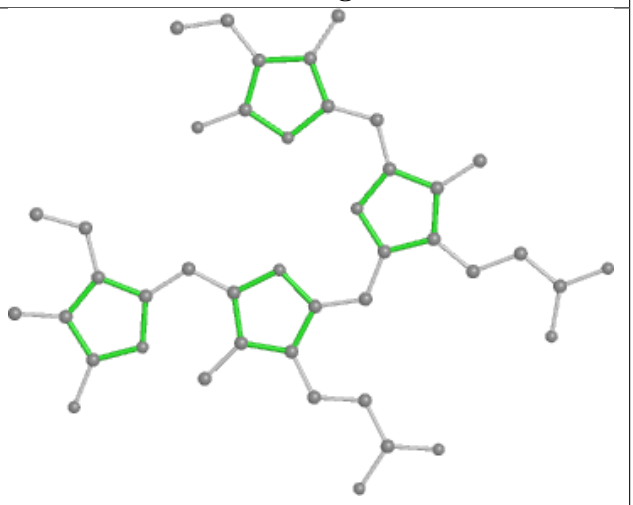
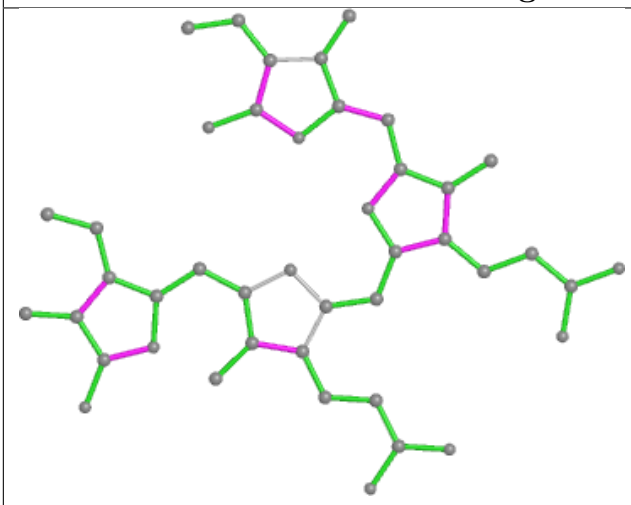


Rings

Ligand PUB z4 203



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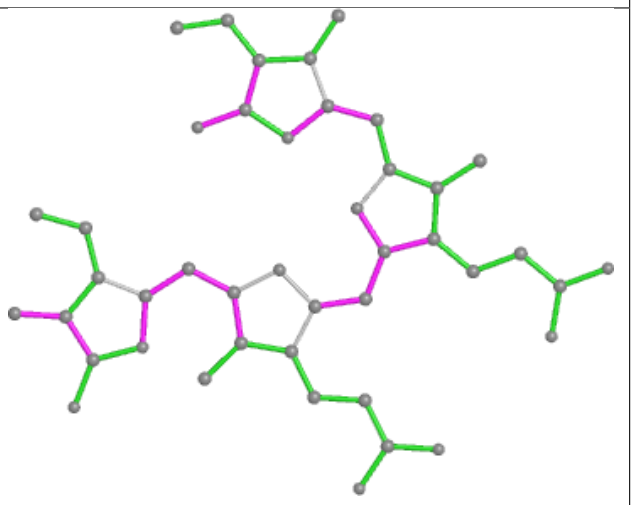

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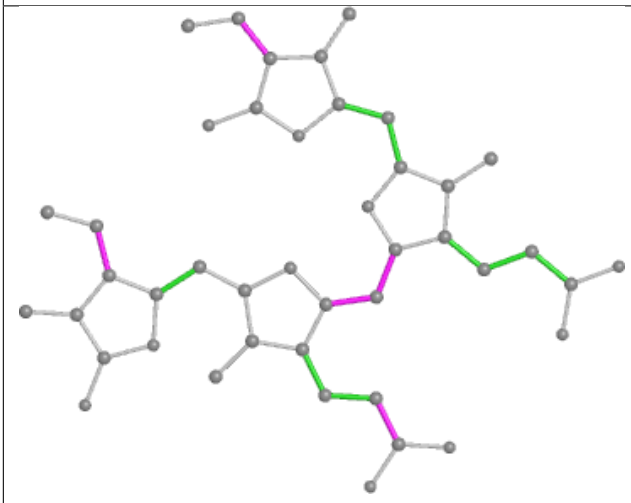

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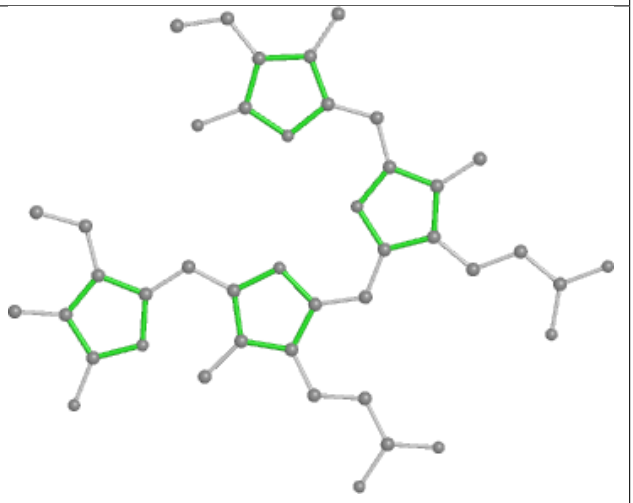
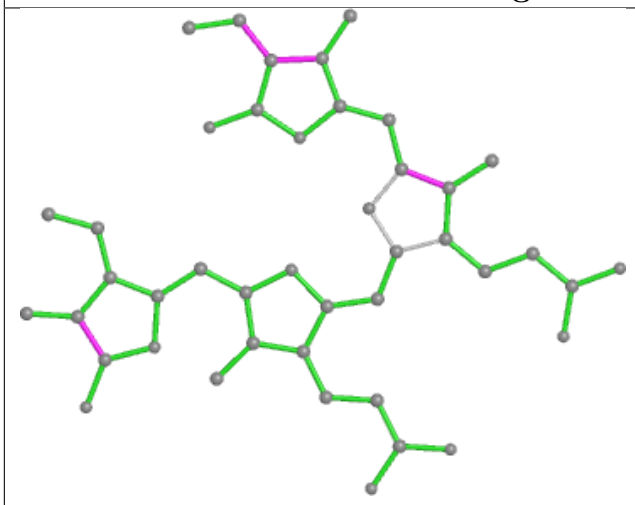


Rings

Ligand PEB M3 202



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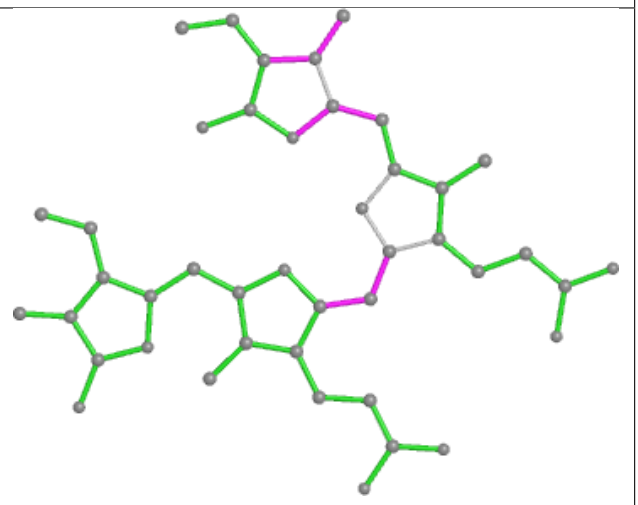
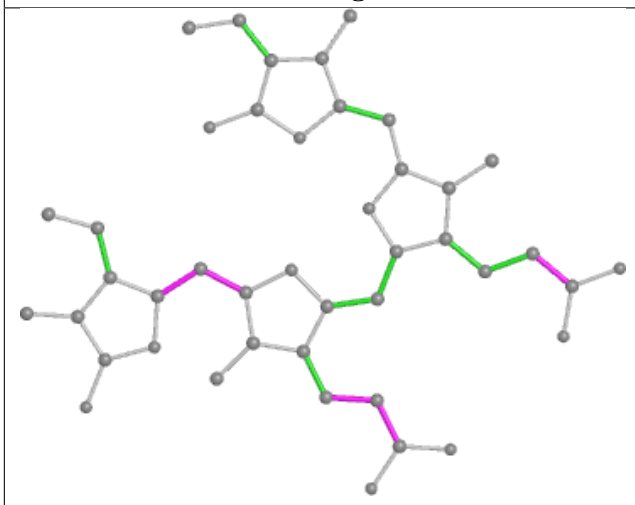


Bond angles



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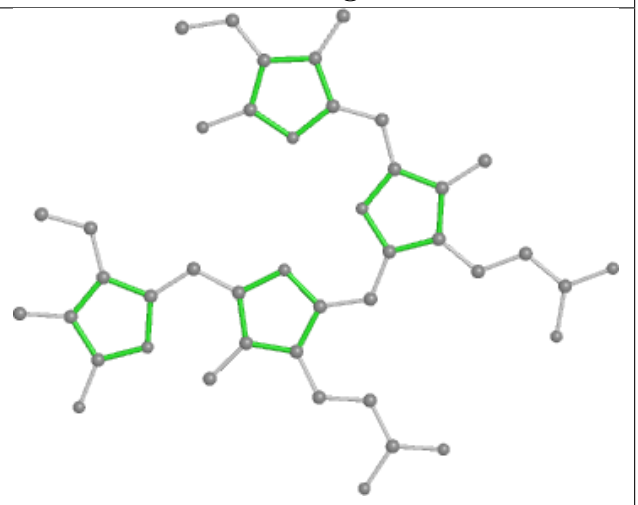
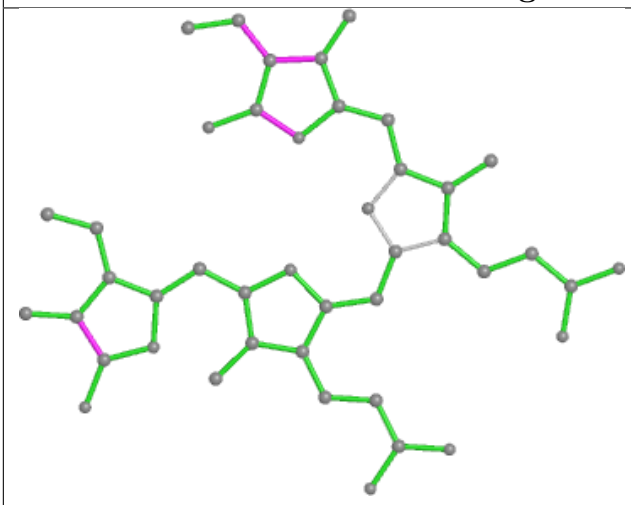


Rings

Ligand PEB n2 201



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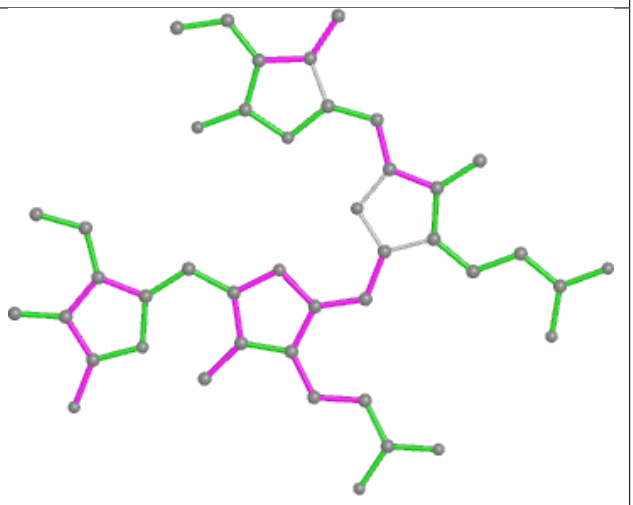
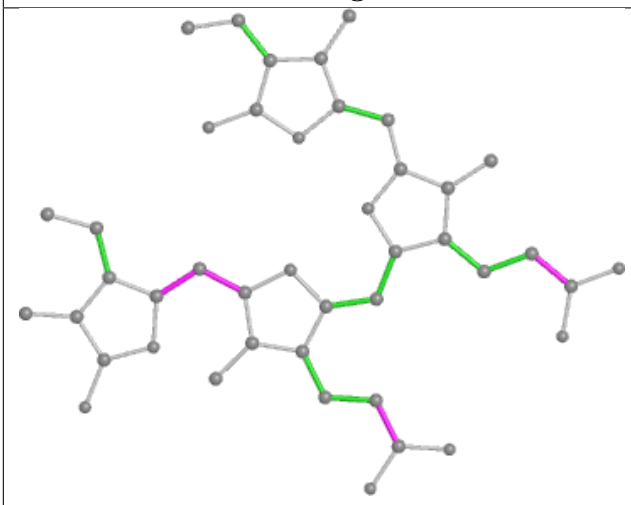
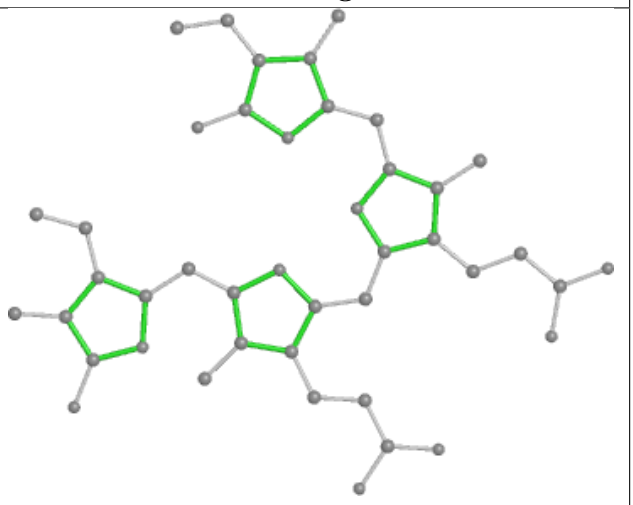


Bond angles

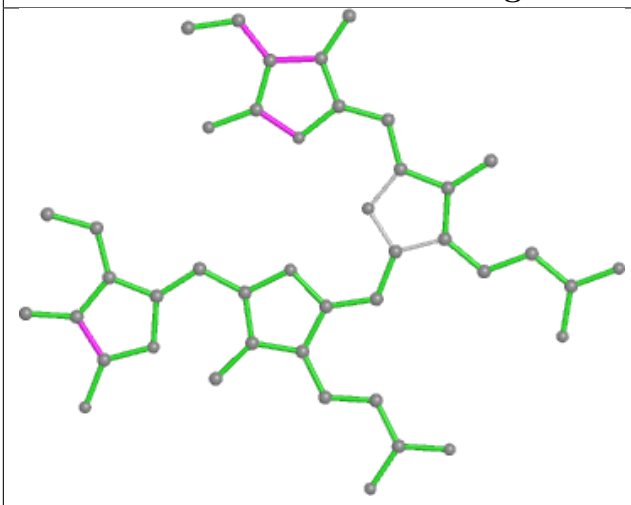


Torsions



Rings

Ligand PEB bm 1001



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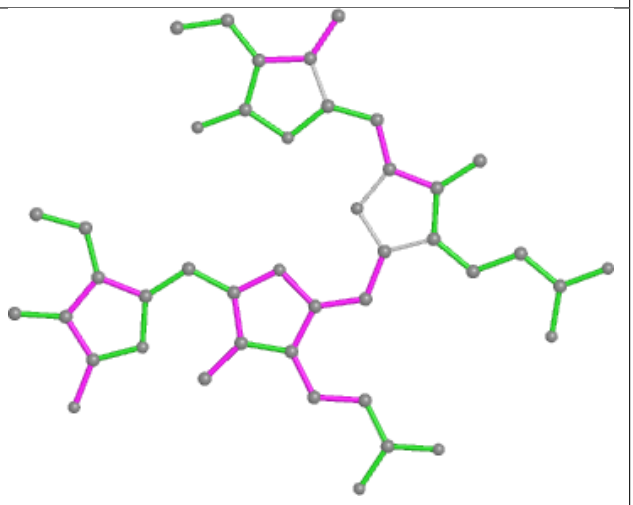
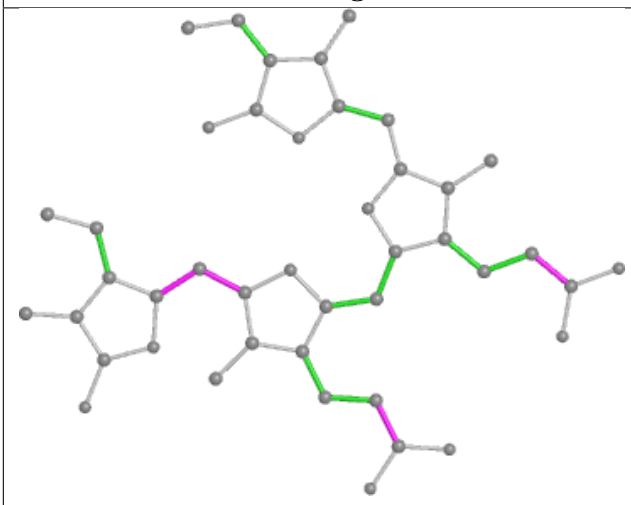


Bond angles



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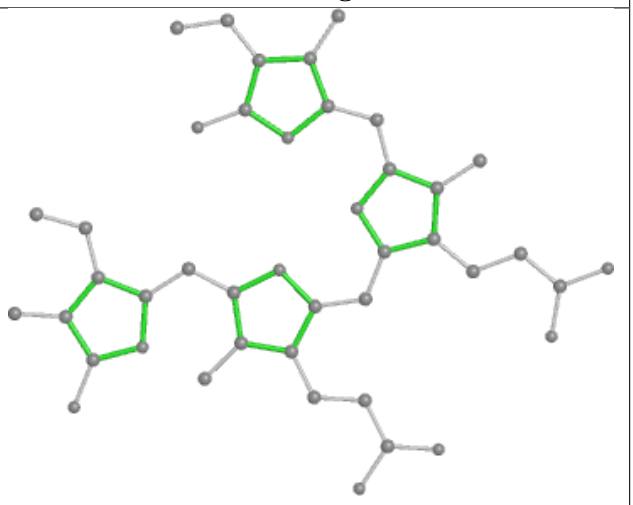
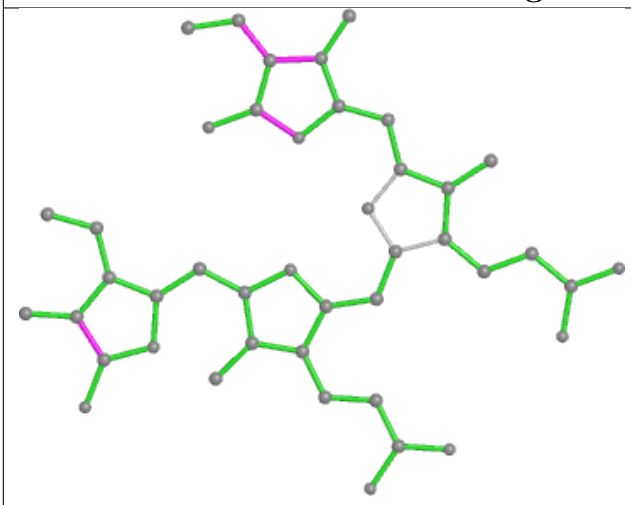


Rings

Ligand PEB ft 201



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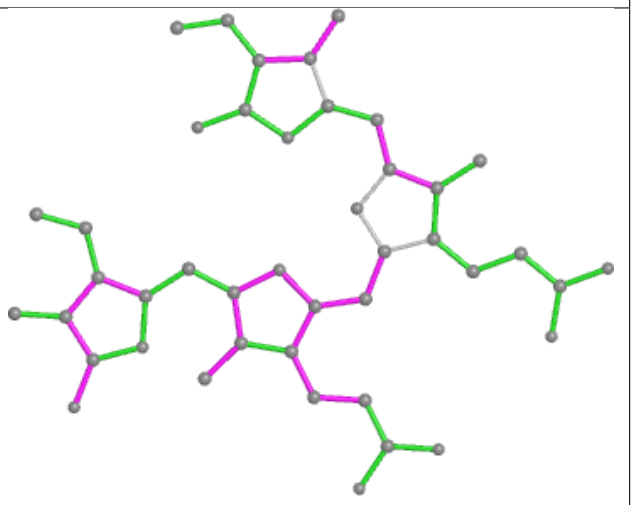

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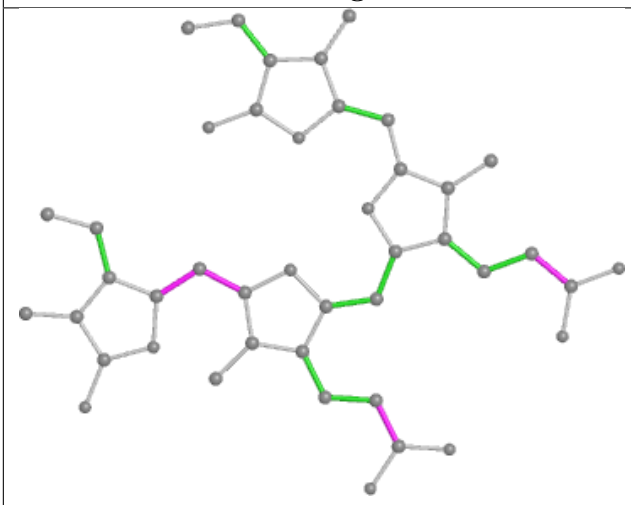

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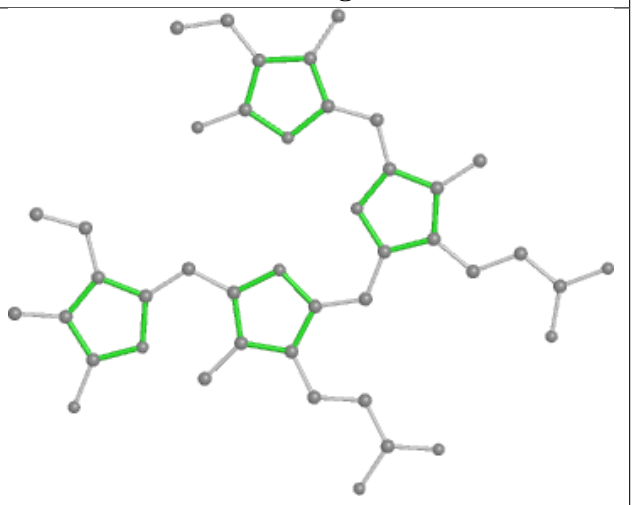
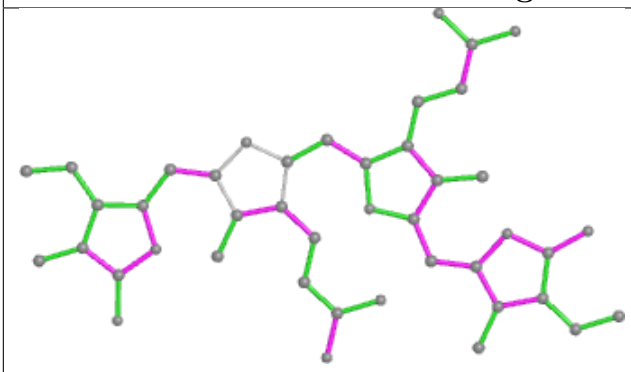


Rings

Ligand CYC h1 201



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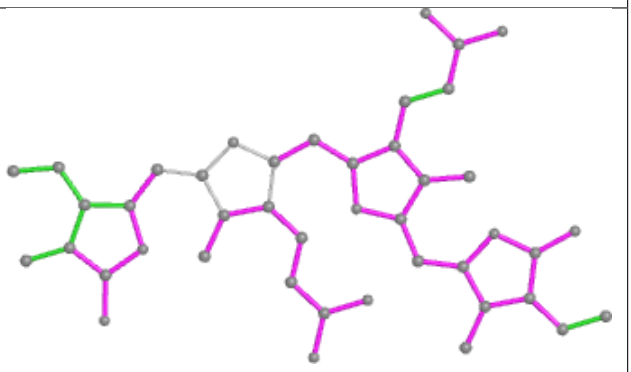

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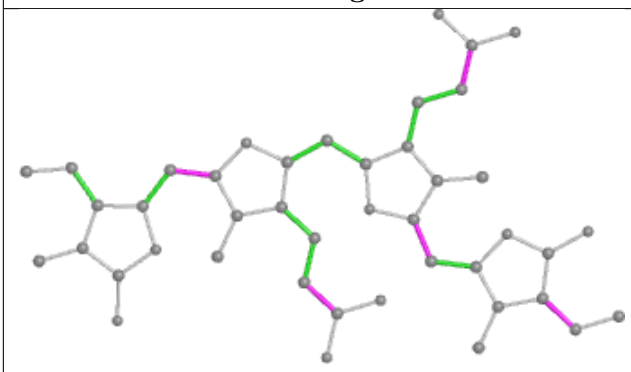

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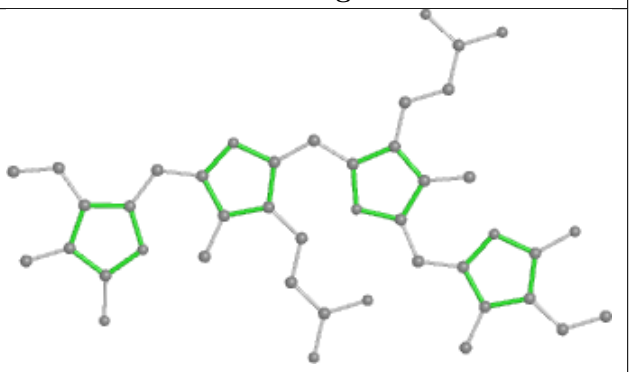
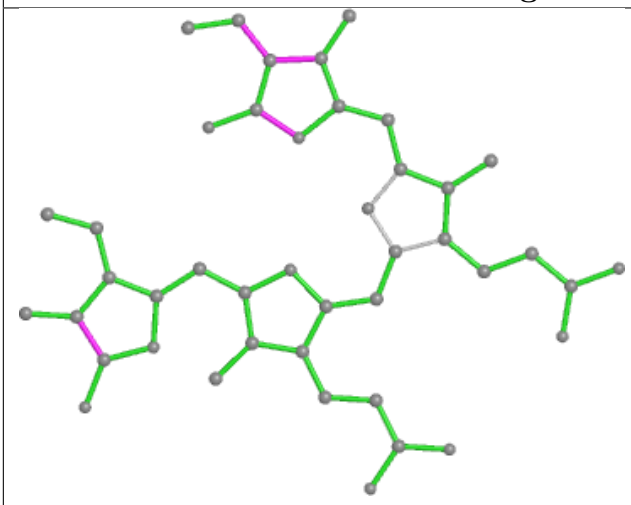


Rings

Ligand PEB a8 602



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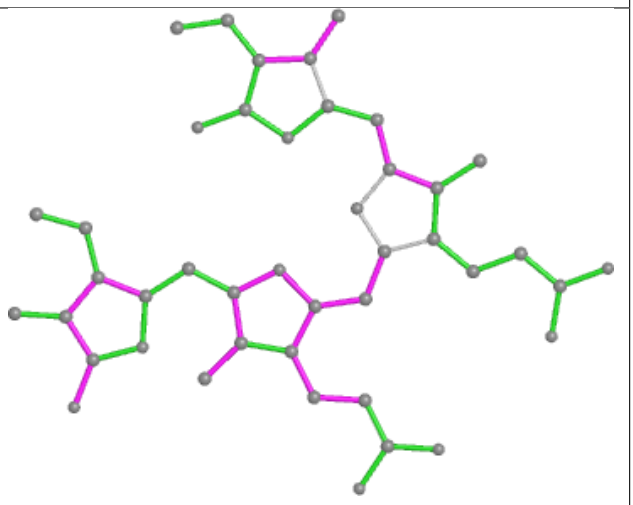

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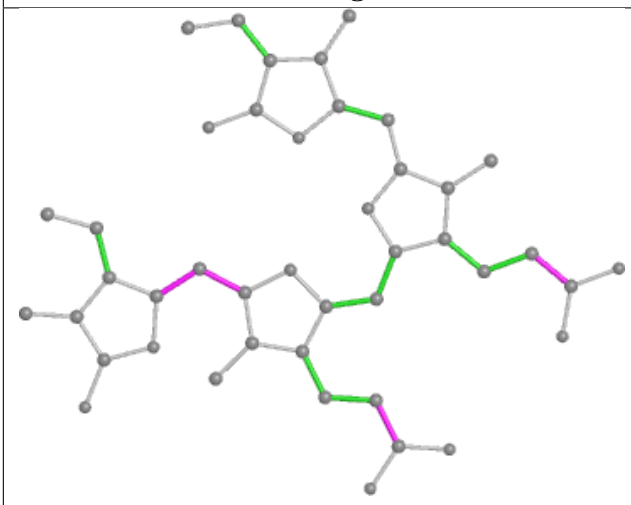

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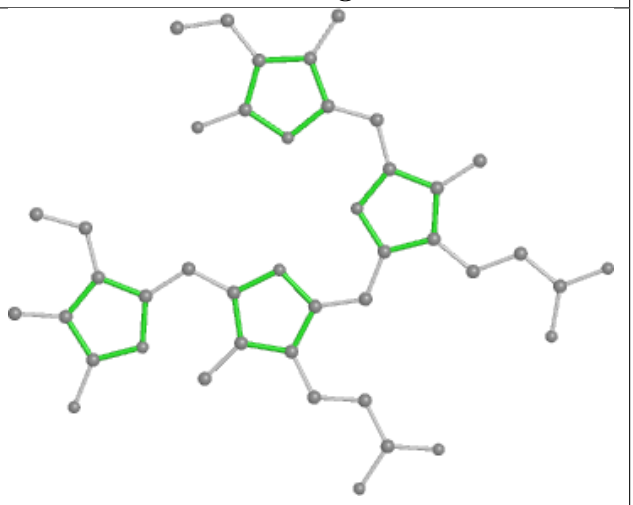
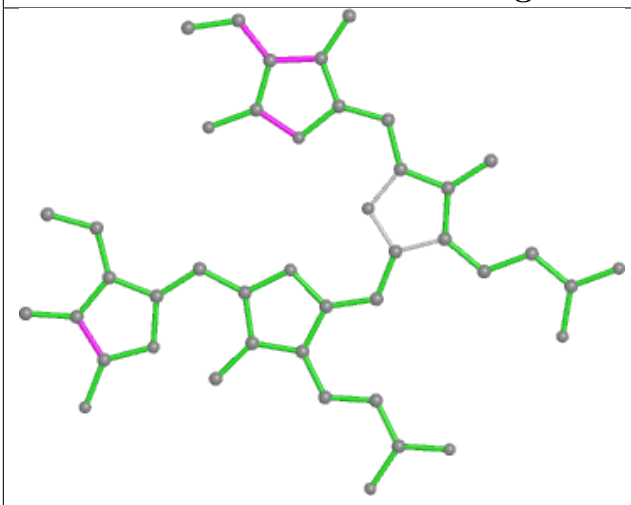


Rings

Ligand PEB H8 202



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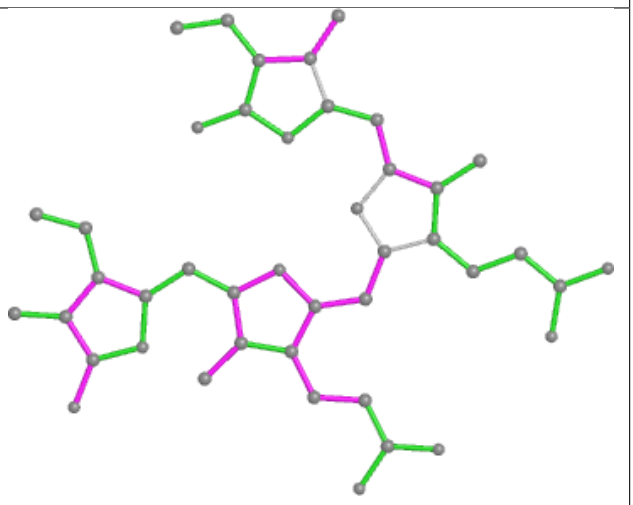

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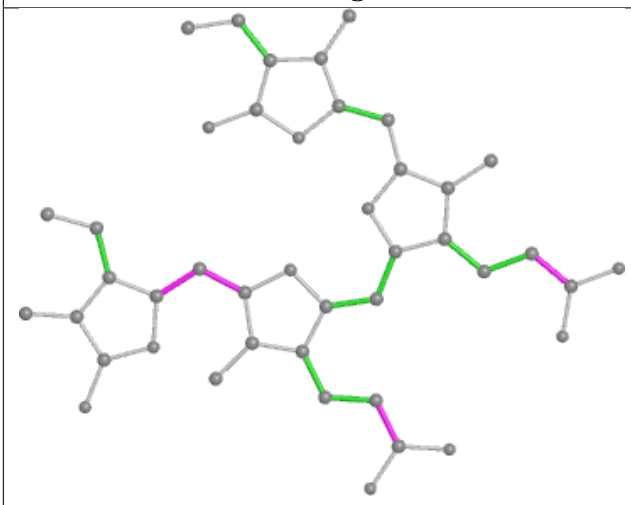

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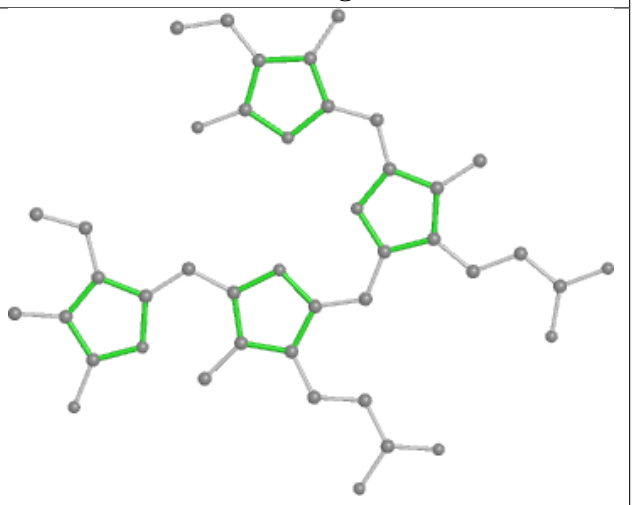
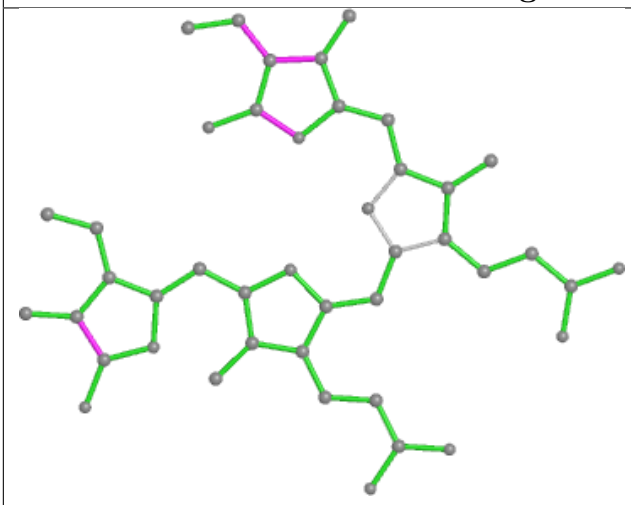


Rings

Ligand PEB y6 201



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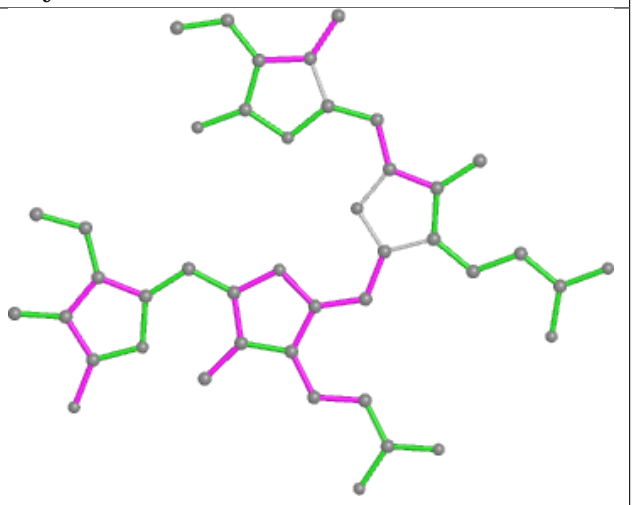

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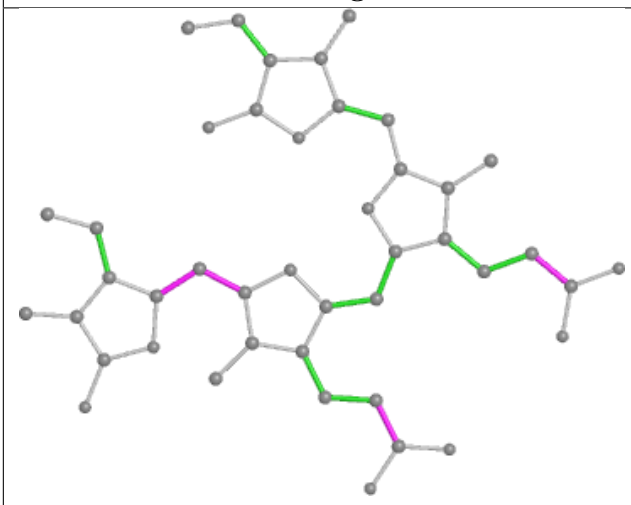

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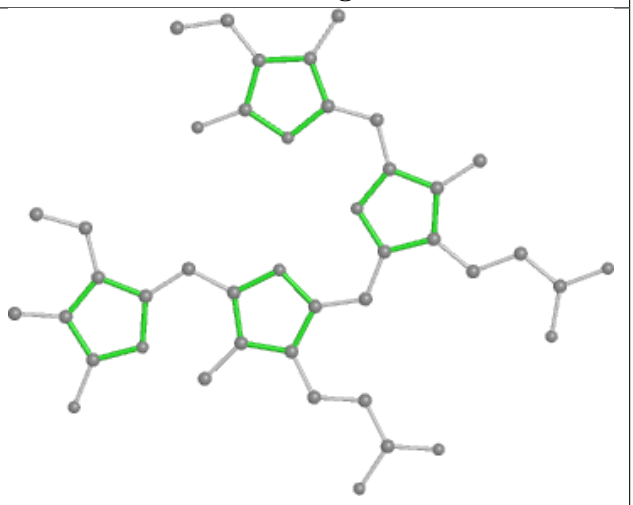
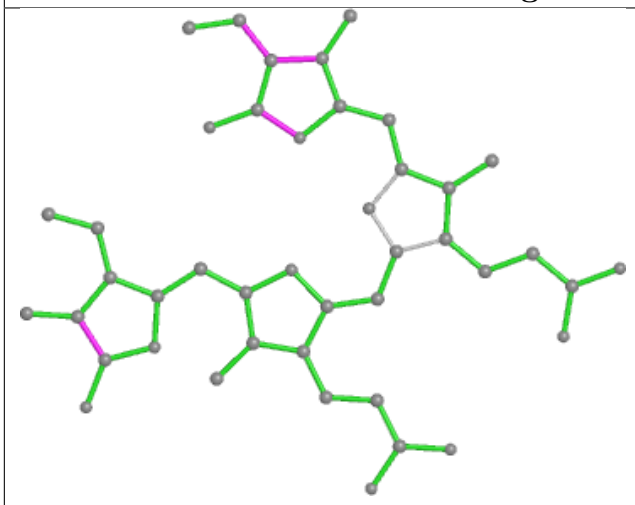


Rings

Ligand PEB a9 603



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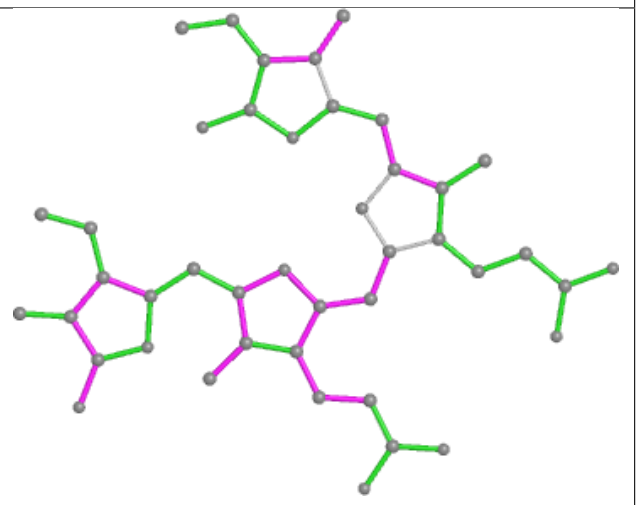

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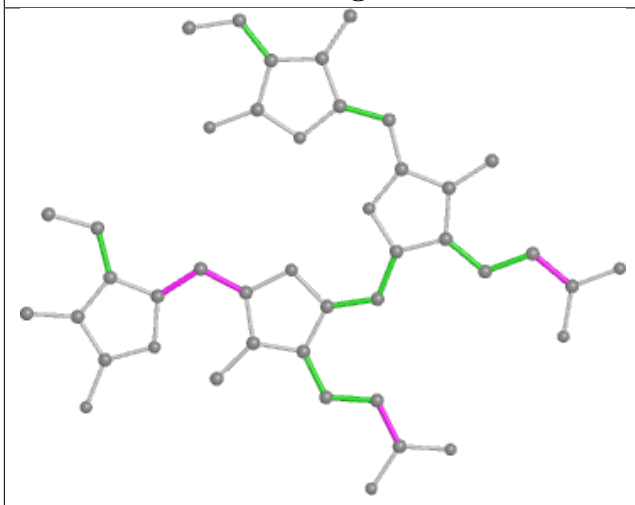

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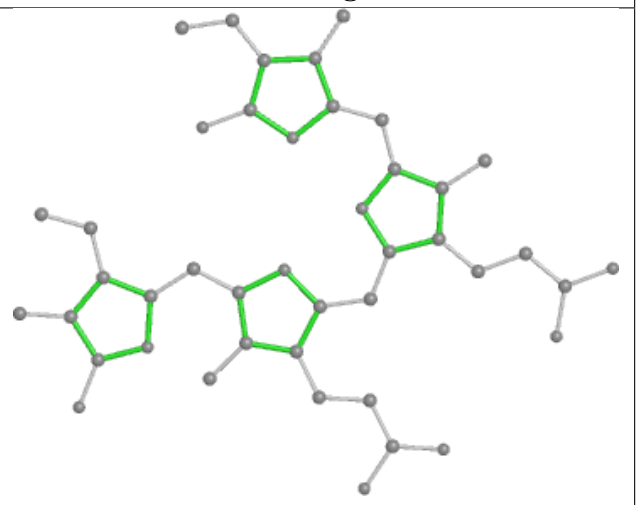
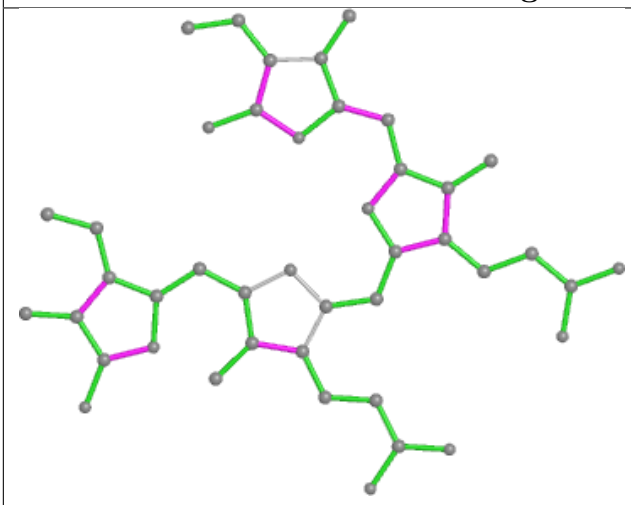


Rings

Ligand PUB fy 202



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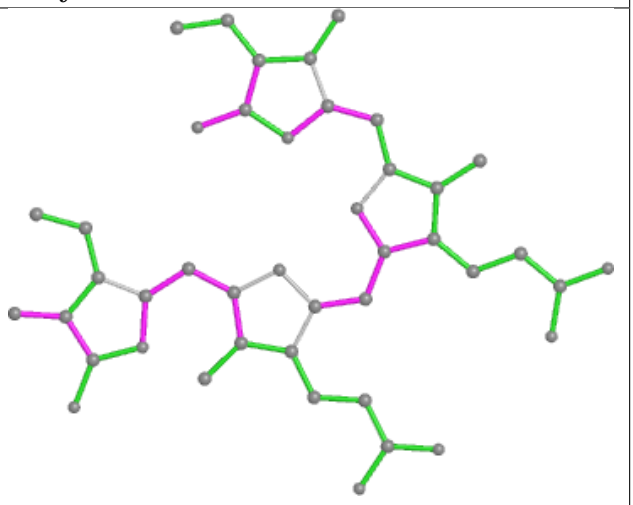

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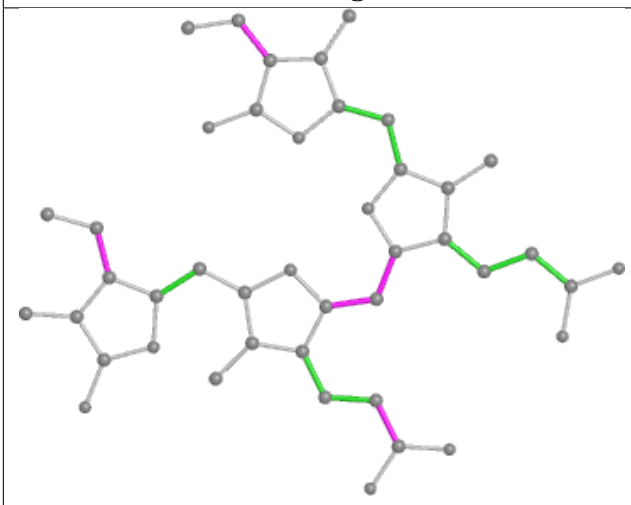

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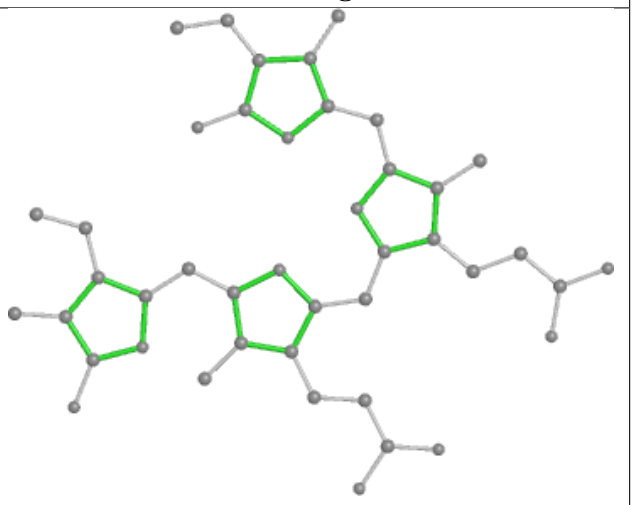
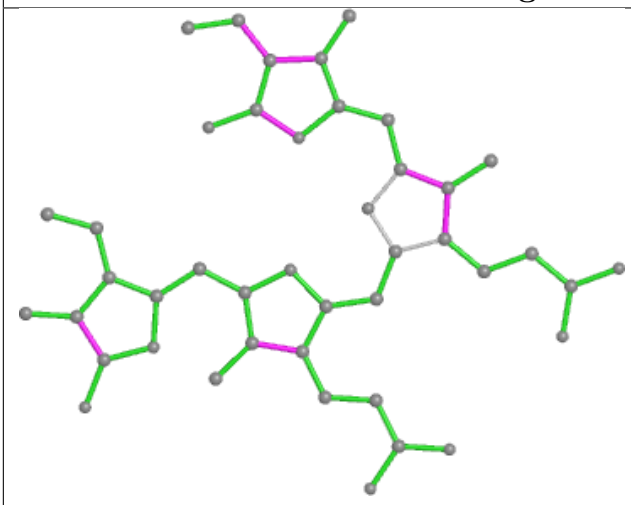


Rings

Ligand PEB p7 201



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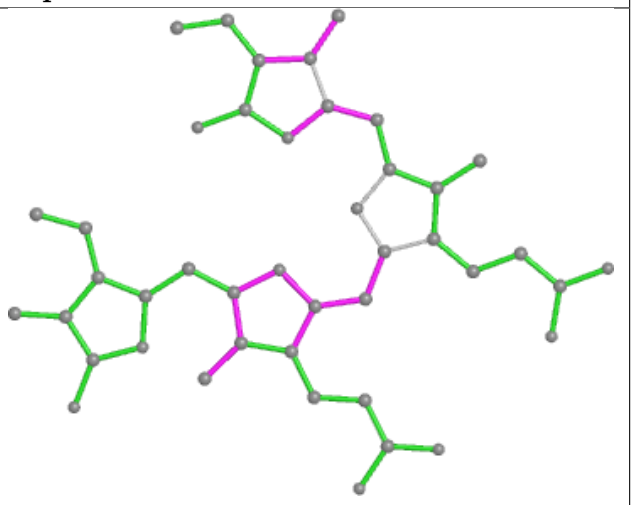

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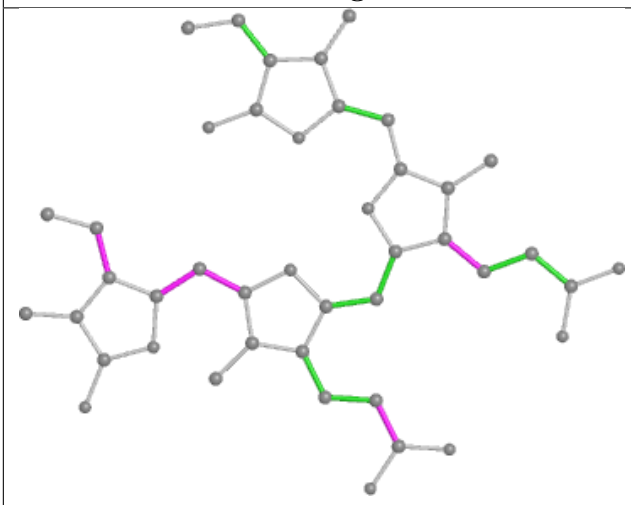

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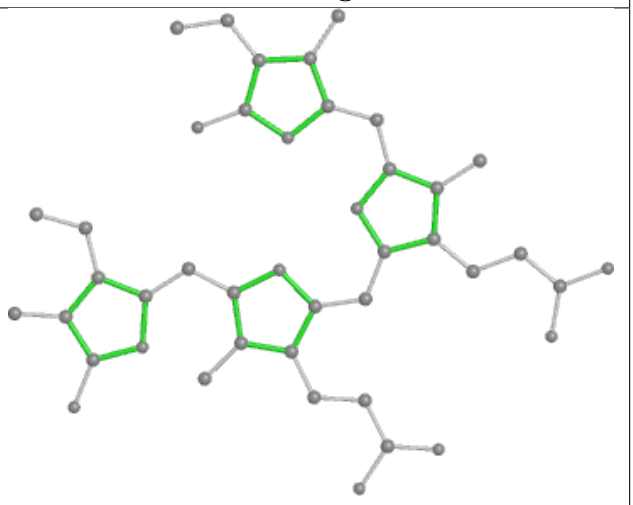
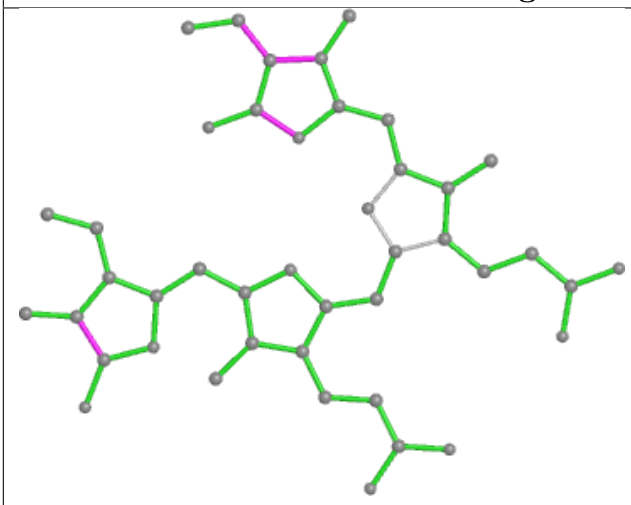


Rings

Ligand PEB u2 201



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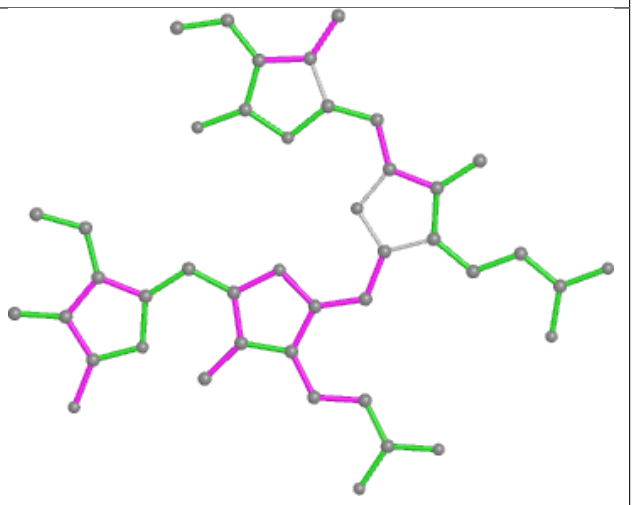

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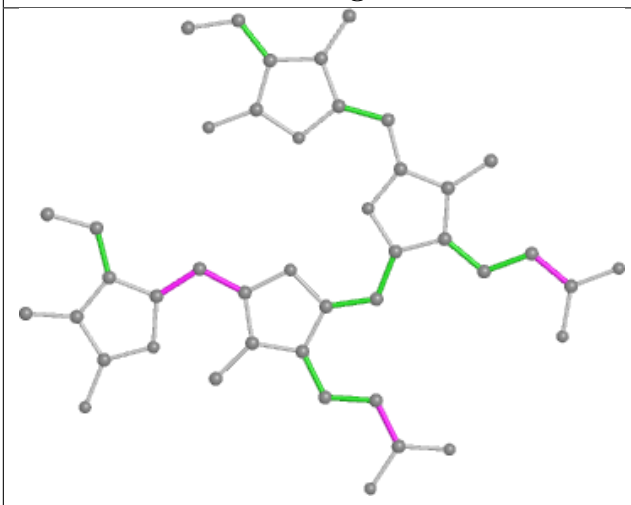

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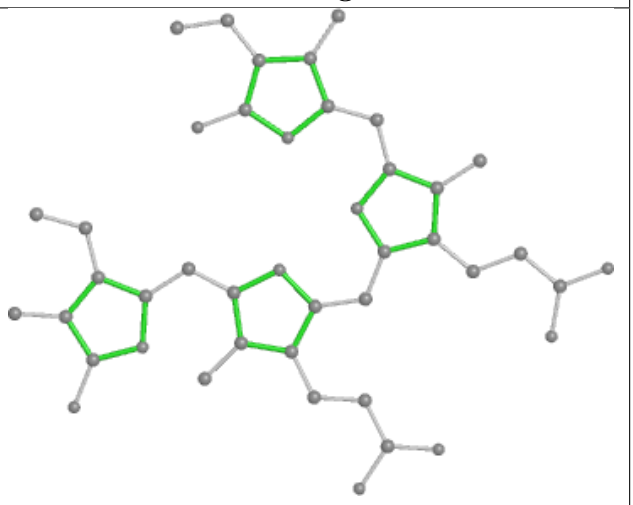
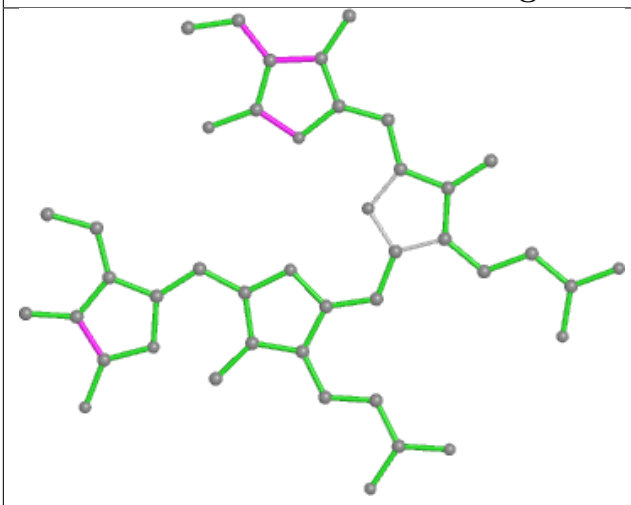


Rings

Ligand PEB q4 202



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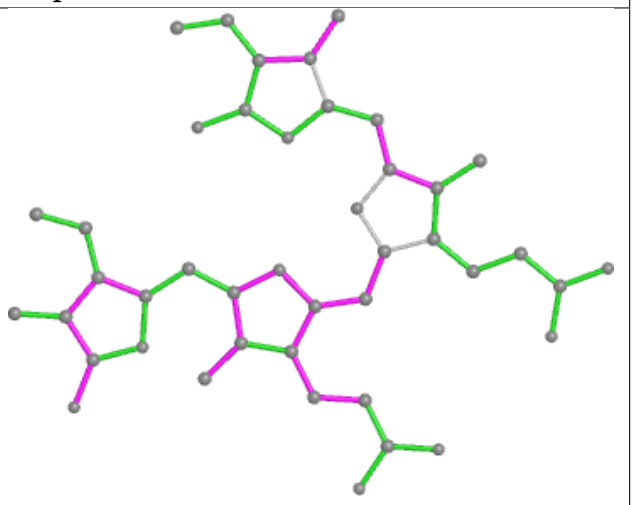

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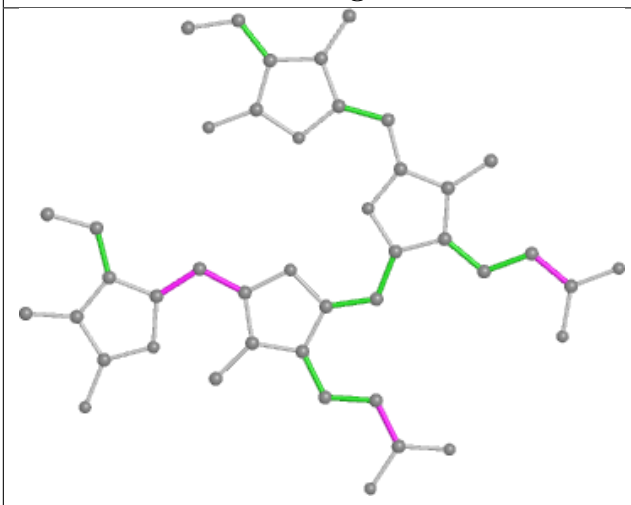

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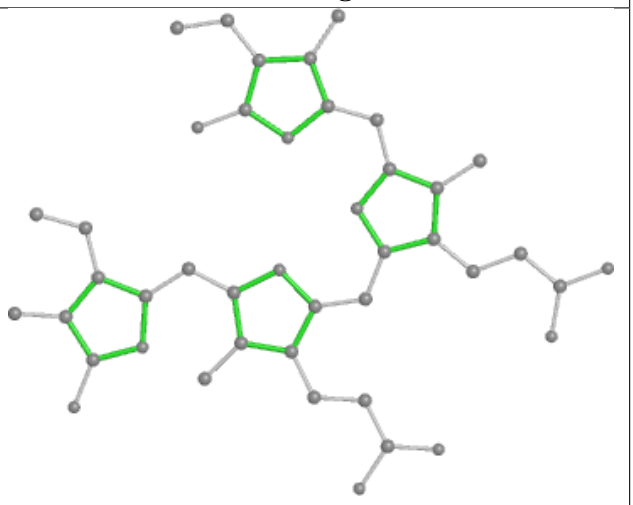
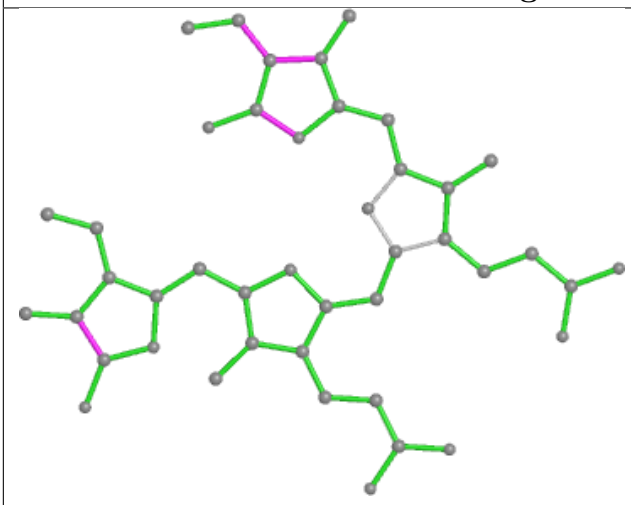


Rings

Ligand PEB eq 201



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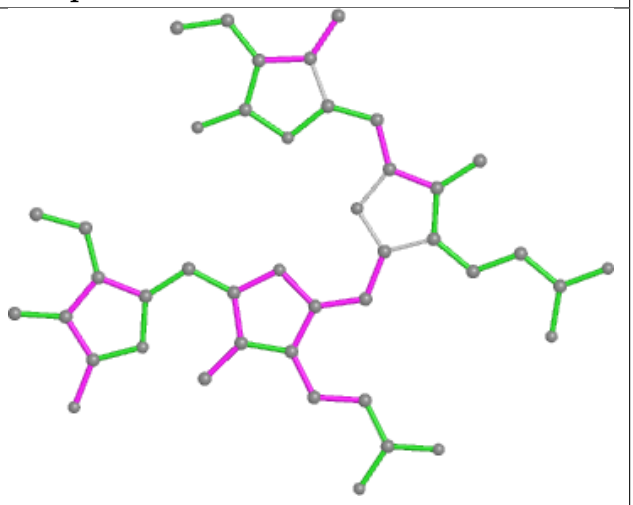

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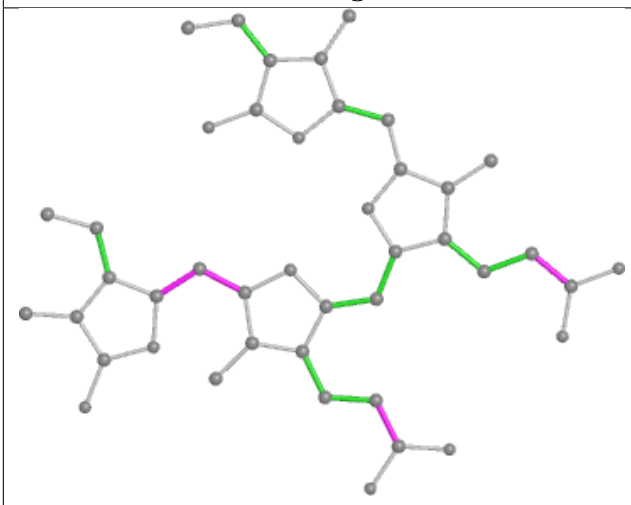

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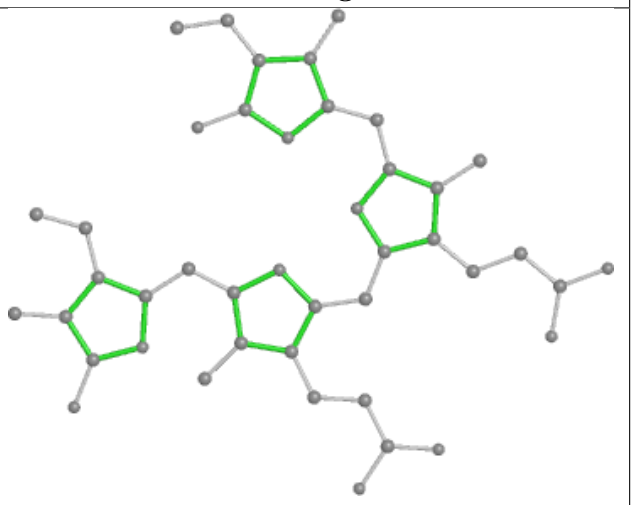
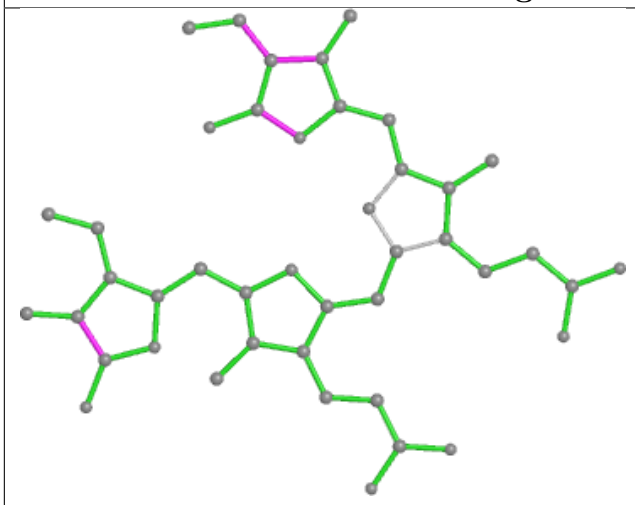


Rings

Ligand PEB bV 201



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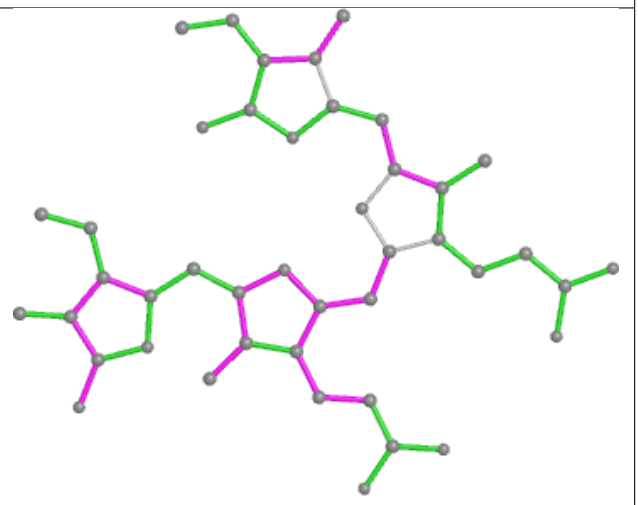

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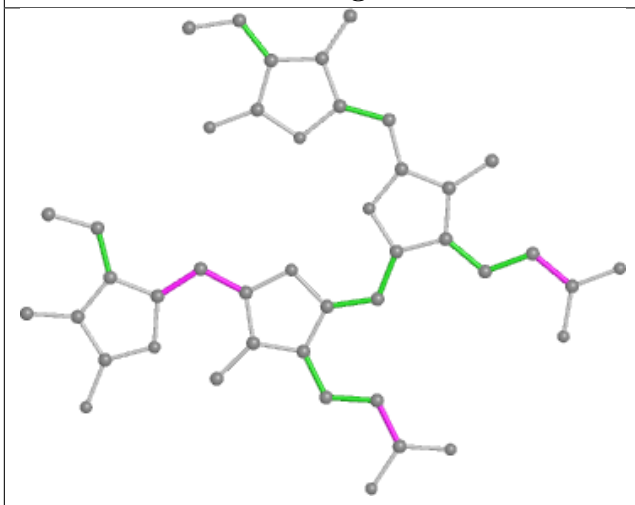

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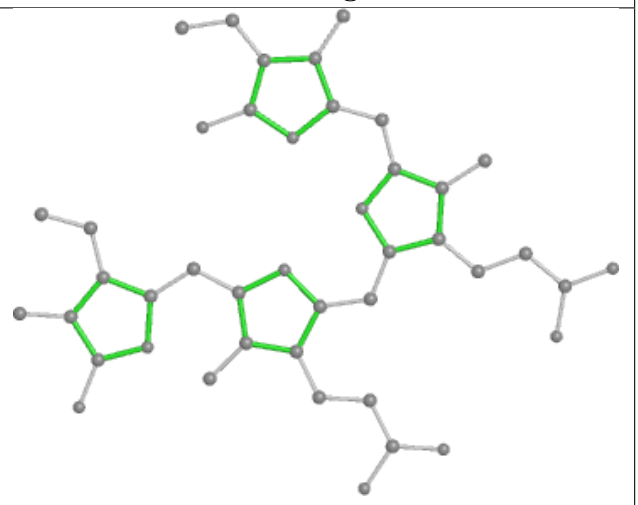
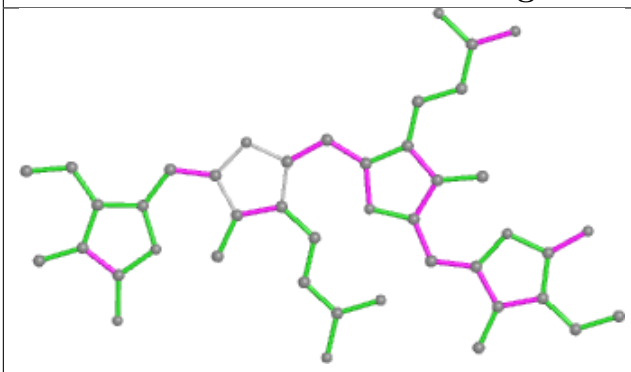
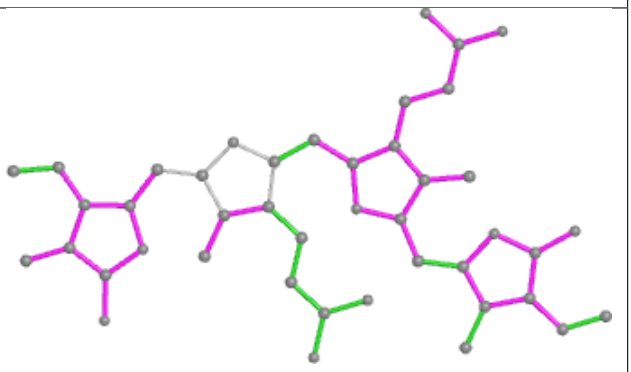


Rings

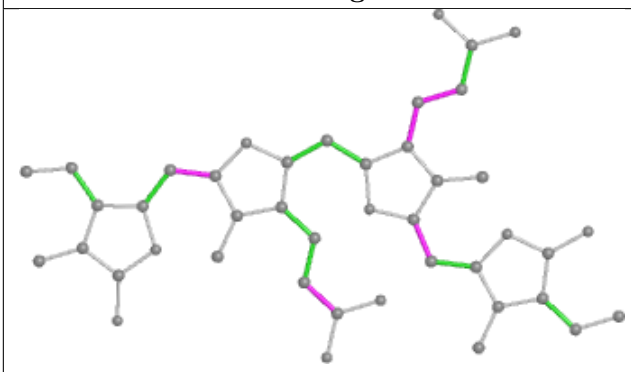
Ligand CYC a1 201



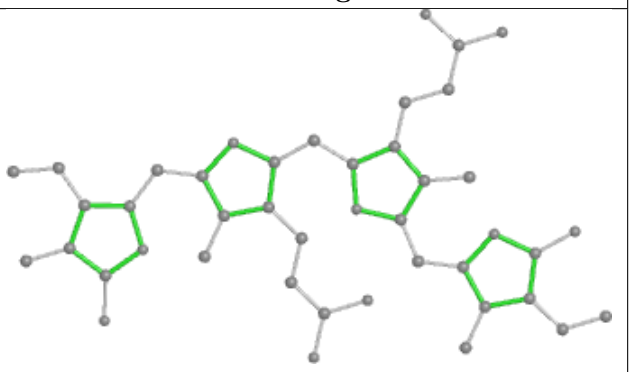
Bond lengths



Bond angles

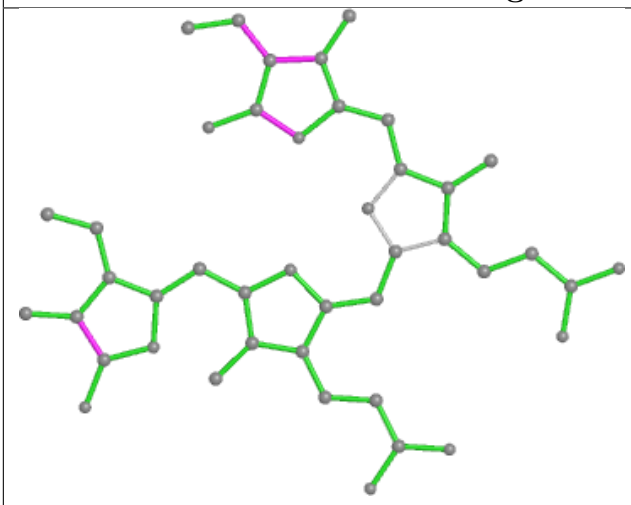


Torsions

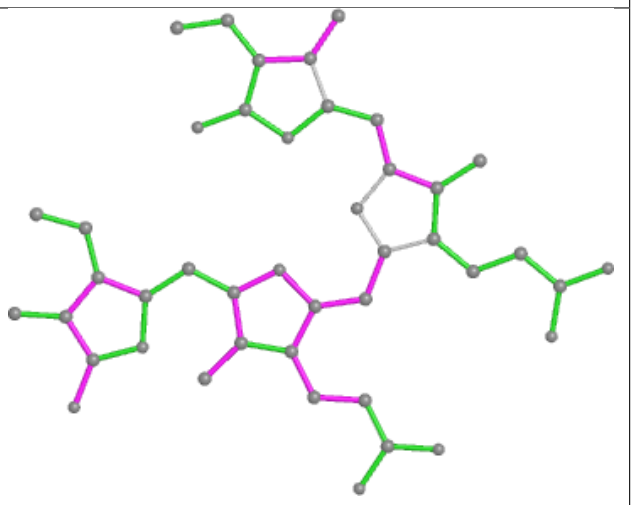


Rings

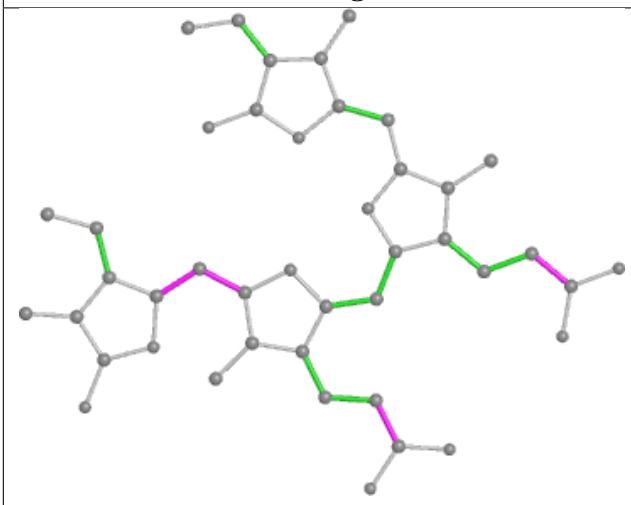
Ligand PEB kT 1001



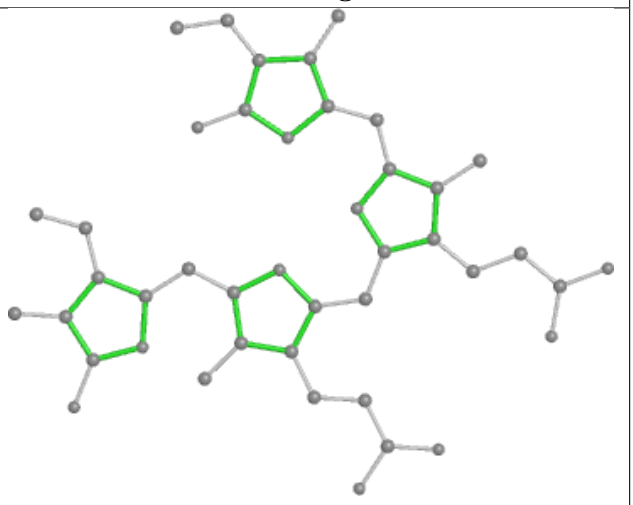
Bond lengths



Bond angles

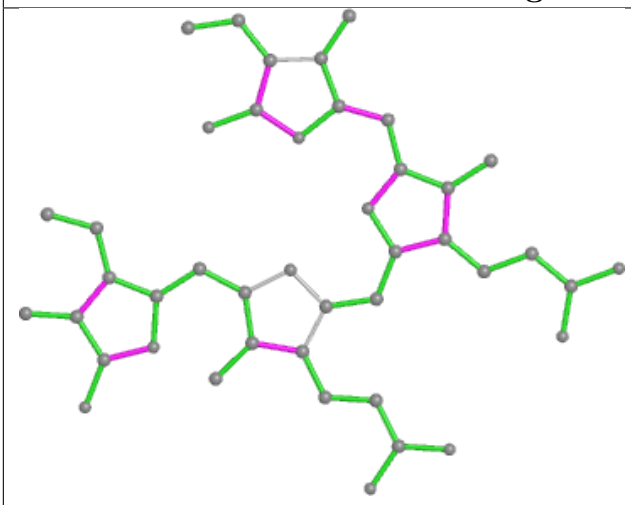


Torsions

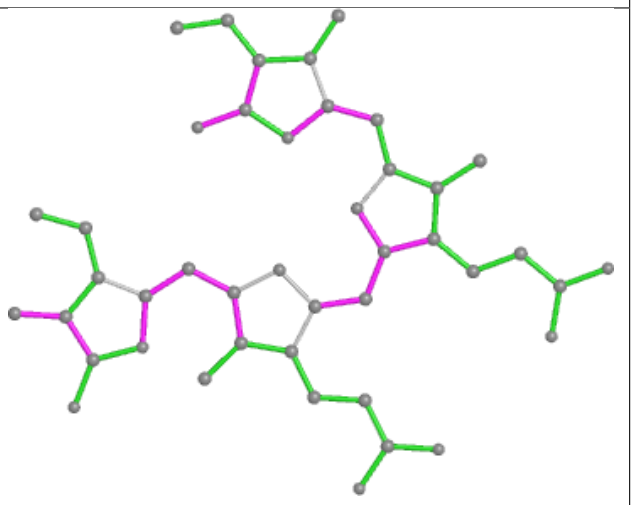


Rings

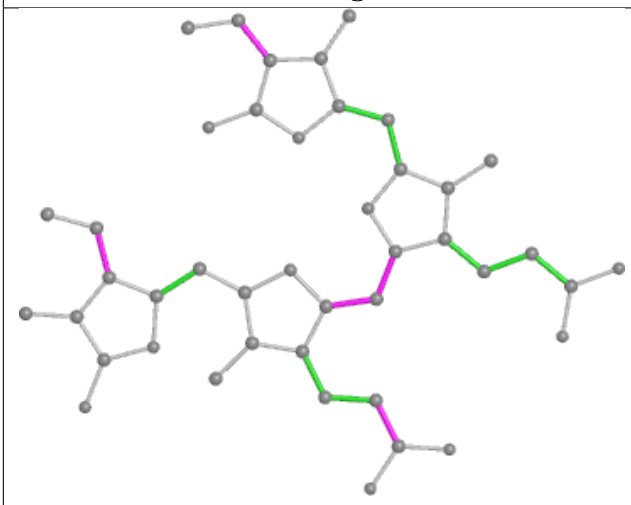
Ligand PUB ll 203



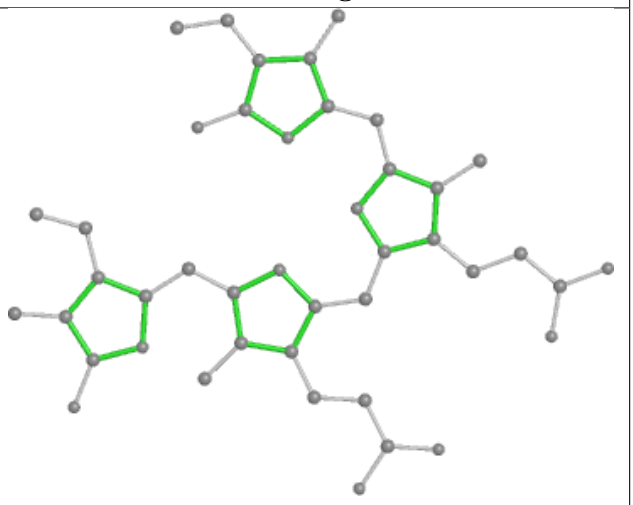
Bond lengths



Bond angles

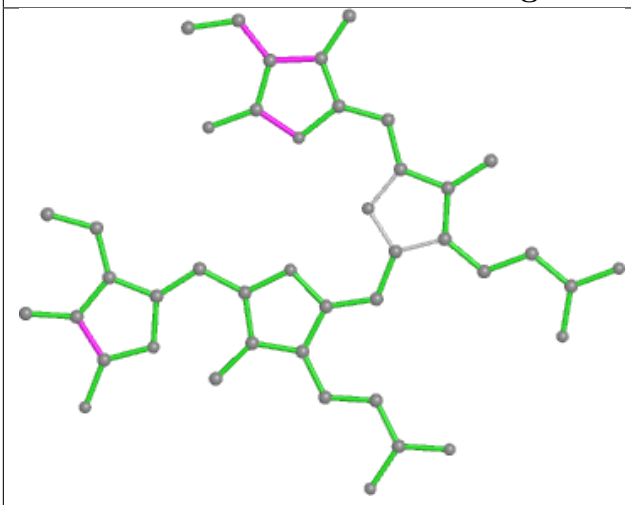


Torsions

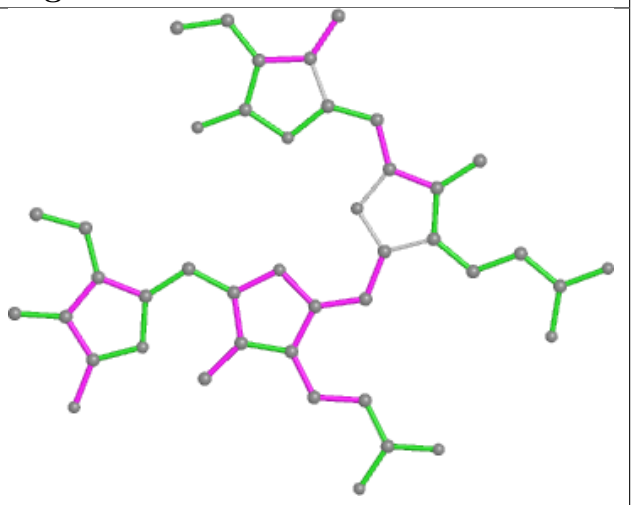


Rings

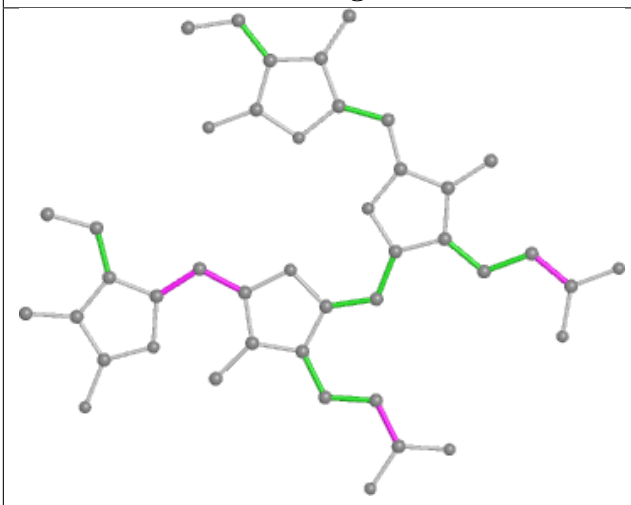
Ligand PEB gc 201



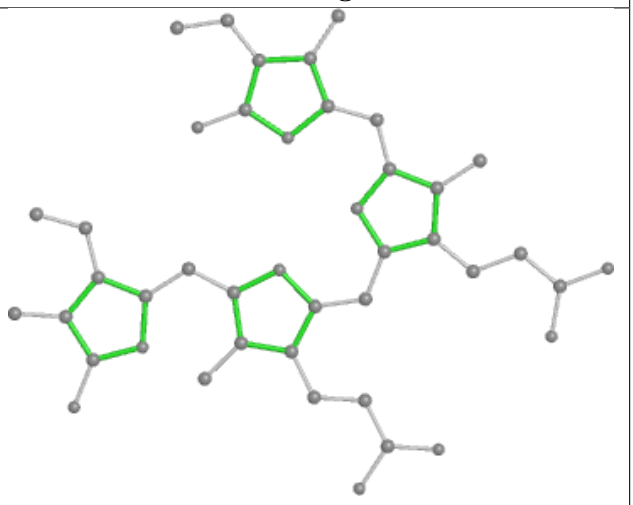
Bond lengths



Bond angles

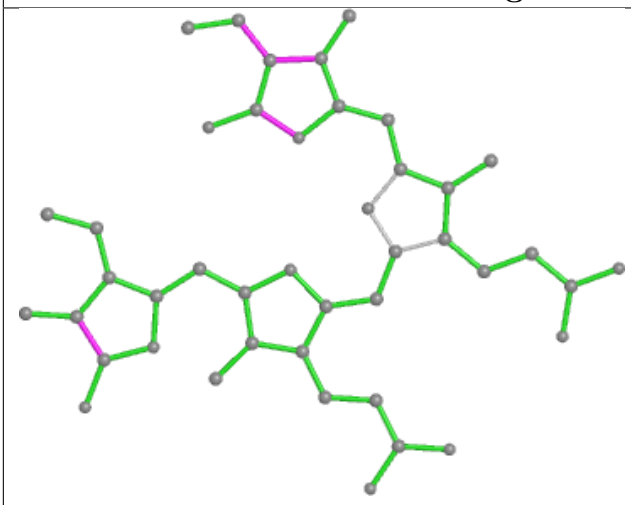


Torsions

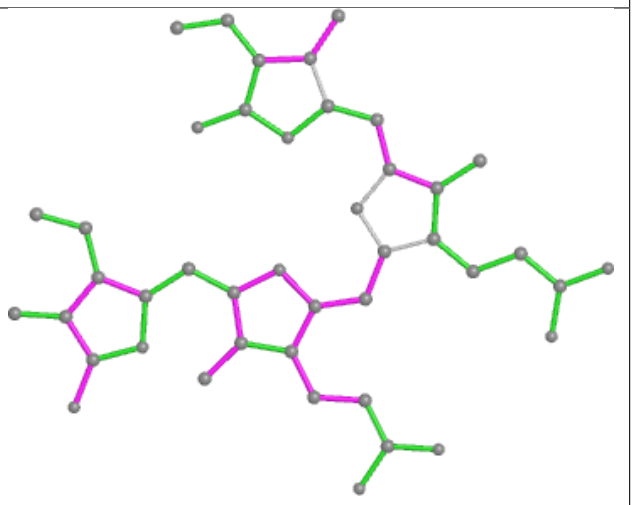


Rings

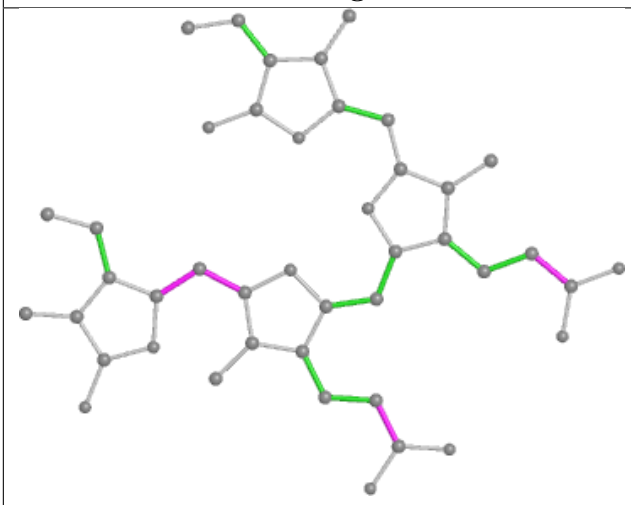
Ligand PEB kX 1001



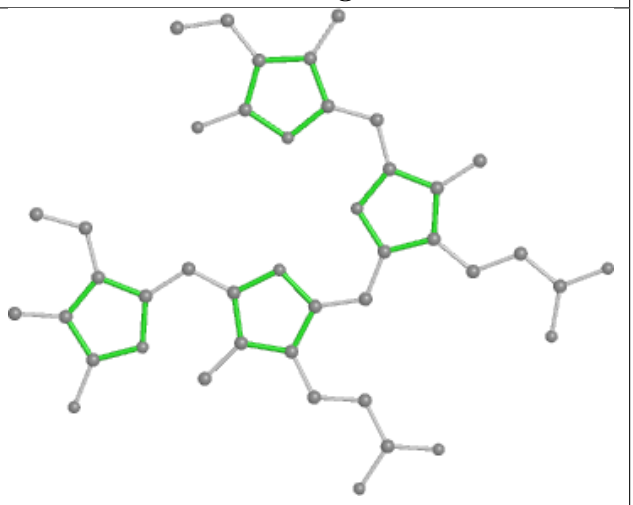
Bond lengths



Bond angles

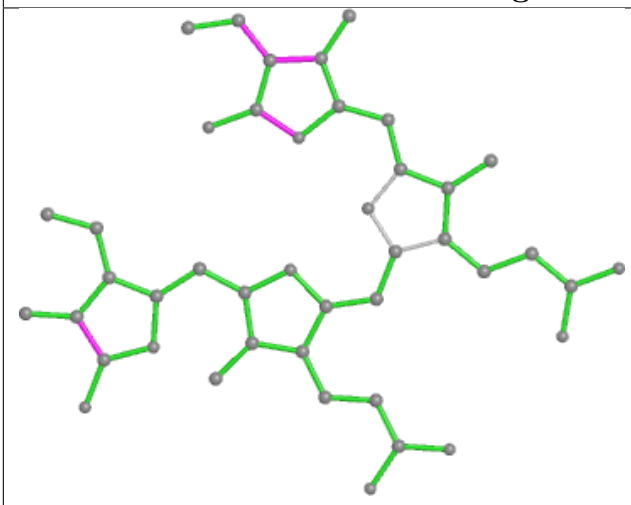


Torsions

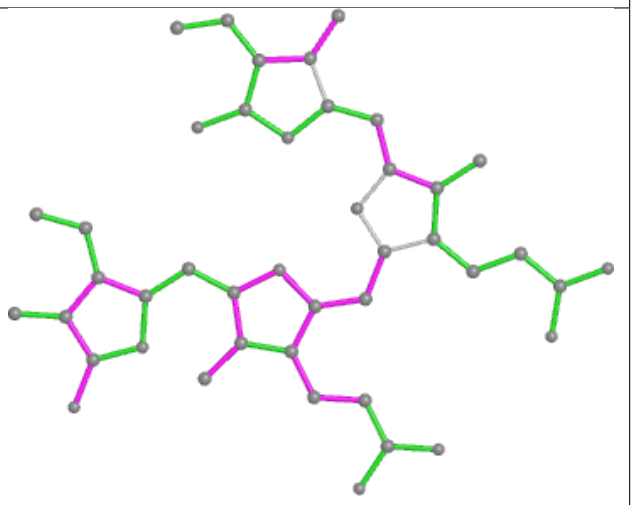


Rings

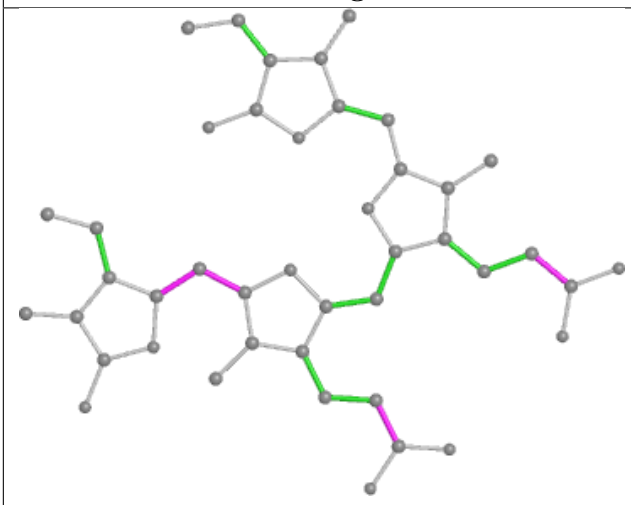
Ligand PEB dI 1002



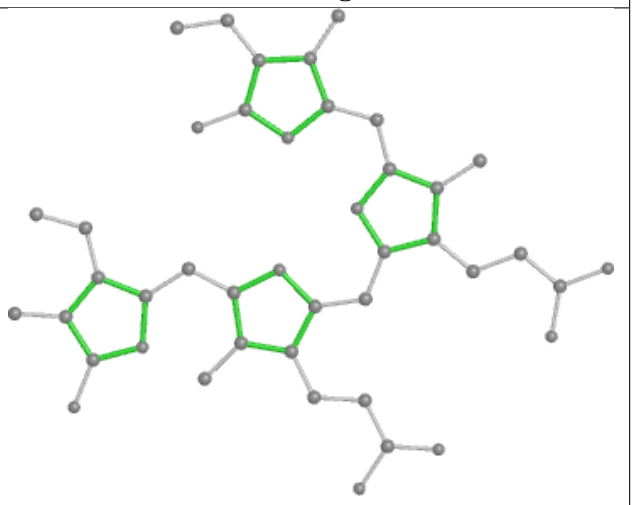
Bond lengths



Bond angles

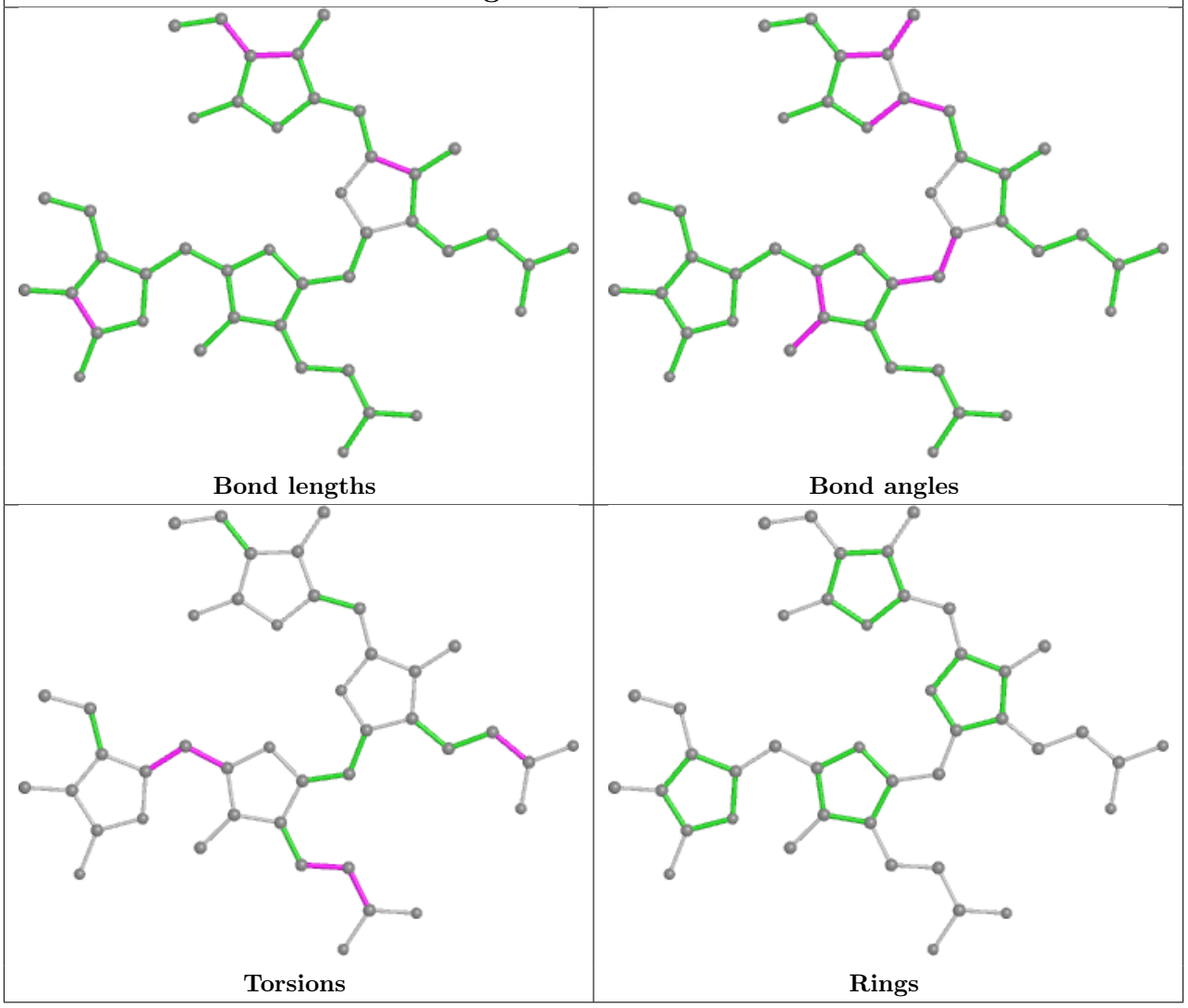


Torsions



Rings

Ligand PEB as 202



5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

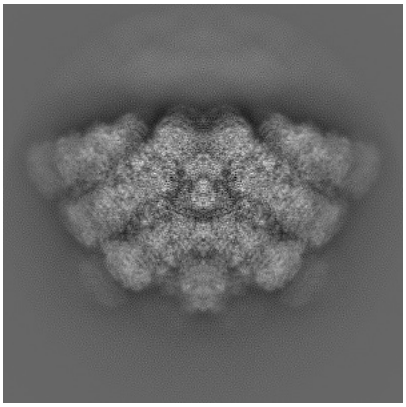
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-6769. These allow visual inspection of the internal detail of the map and identification of artifacts.

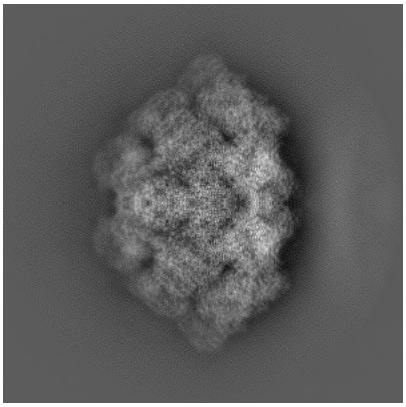
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

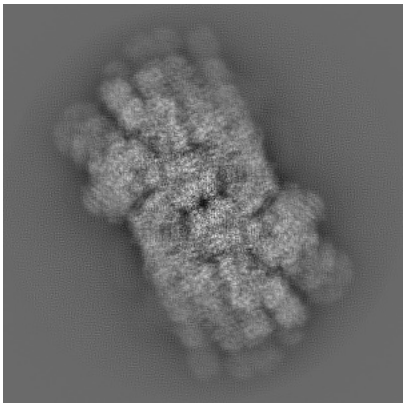
6.1.1 Primary map



X



Y

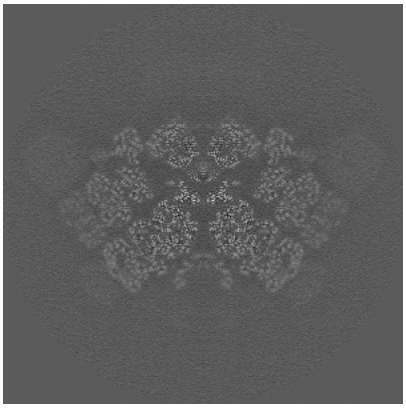


Z

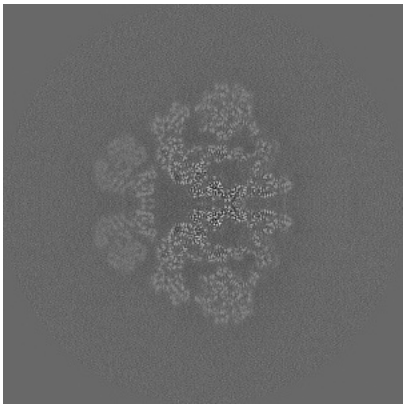
The images above show the map projected in three orthogonal directions.

6.2 Central slices

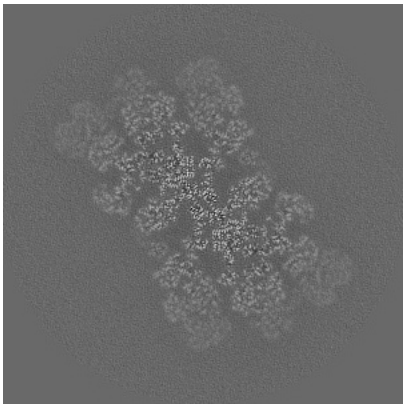
6.2.1 Primary map



X Index: 280



Y Index: 280

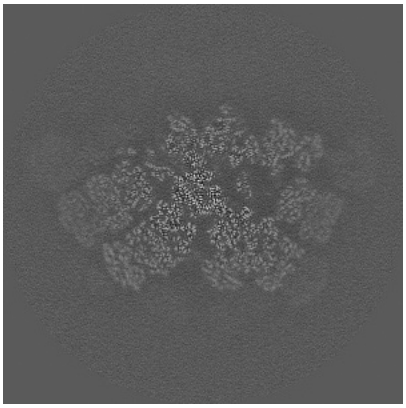


Z Index: 280

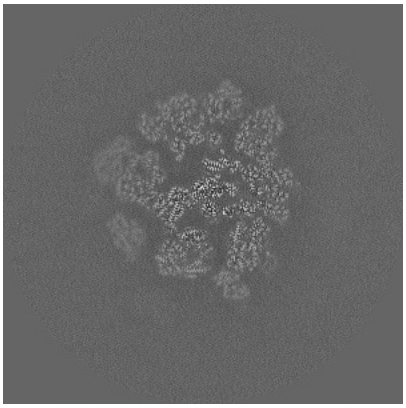
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

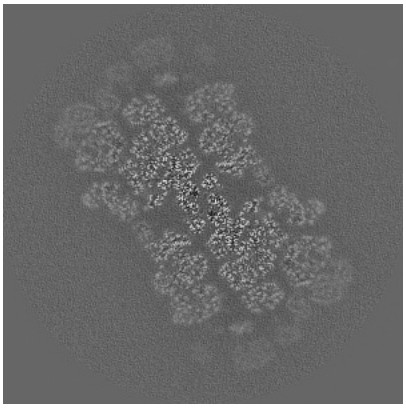
6.3.1 Primary map



X Index: 270



Y Index: 258

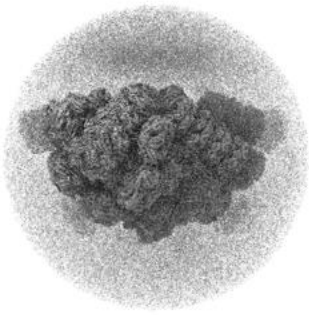


Z Index: 299

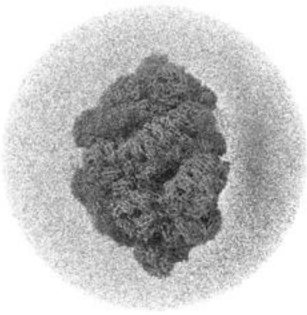
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal surface views (i)

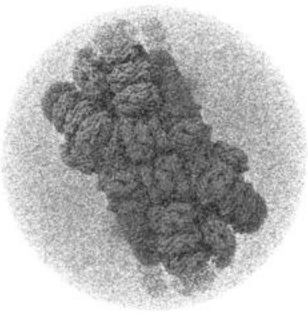
6.4.1 Primary map



X



Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.018. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

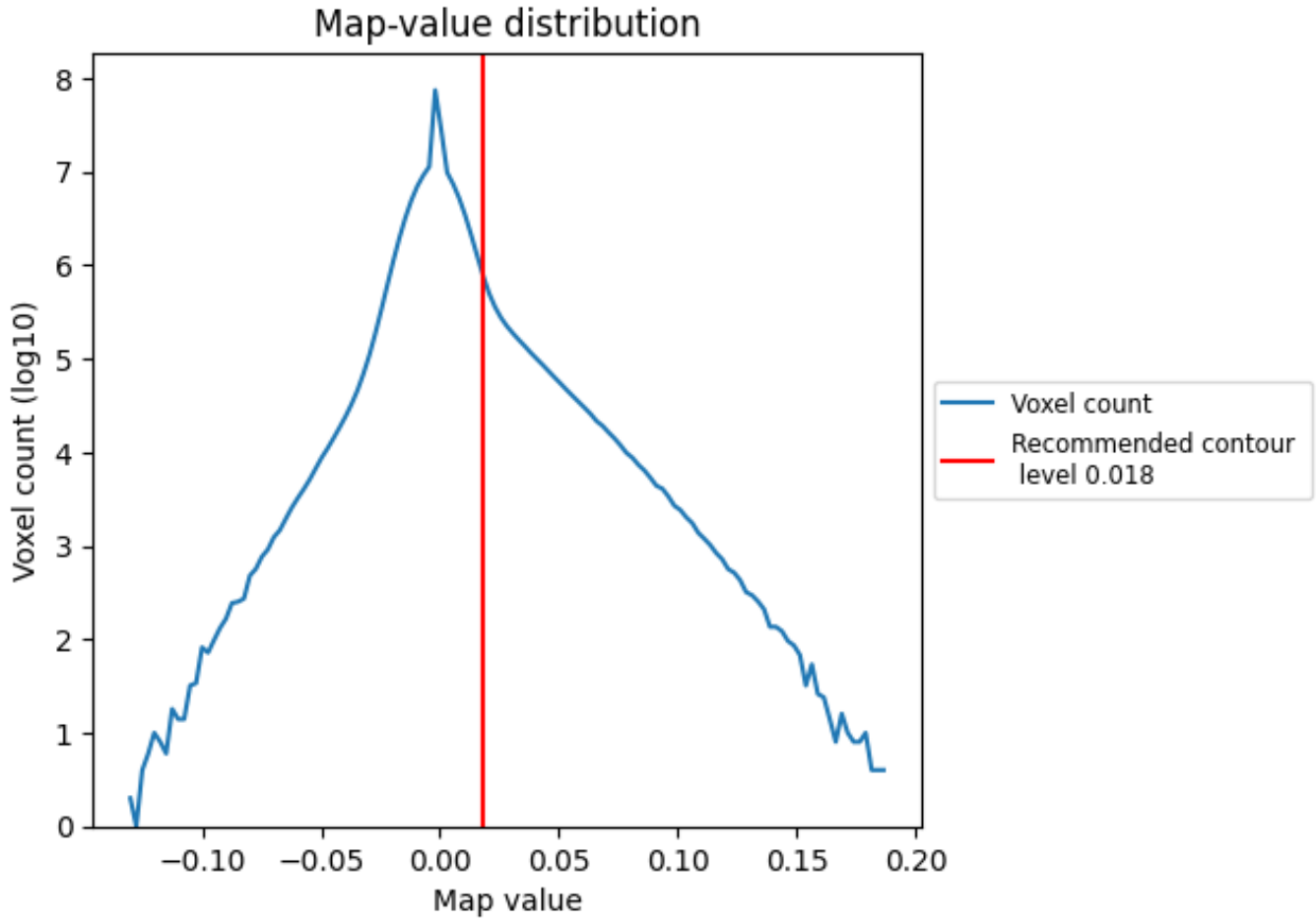
6.5 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

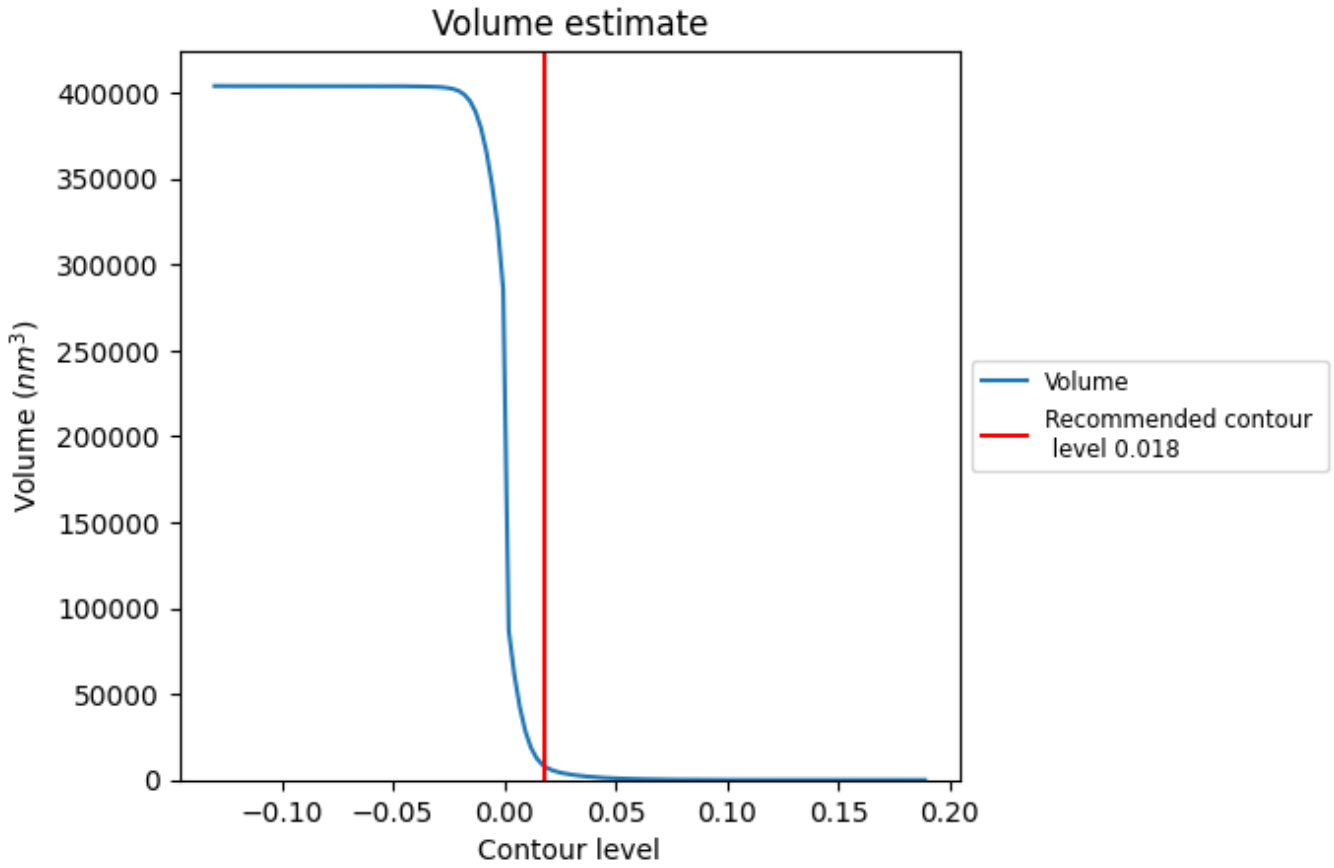
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

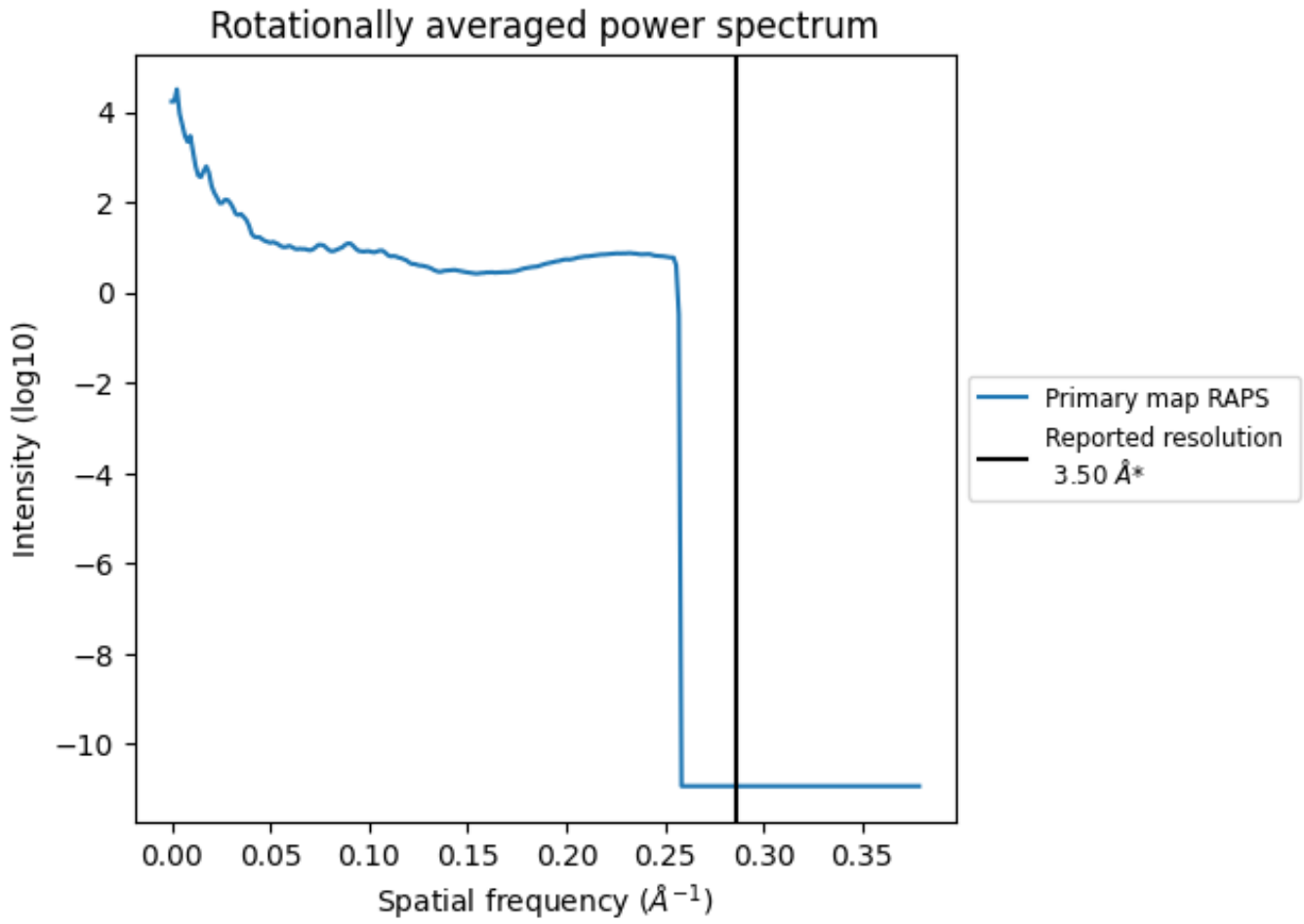
7.2 Volume estimate (i)



The volume at the recommended contour level is 8132 nm^3; this corresponds to an approximate mass of 7346 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum (i)

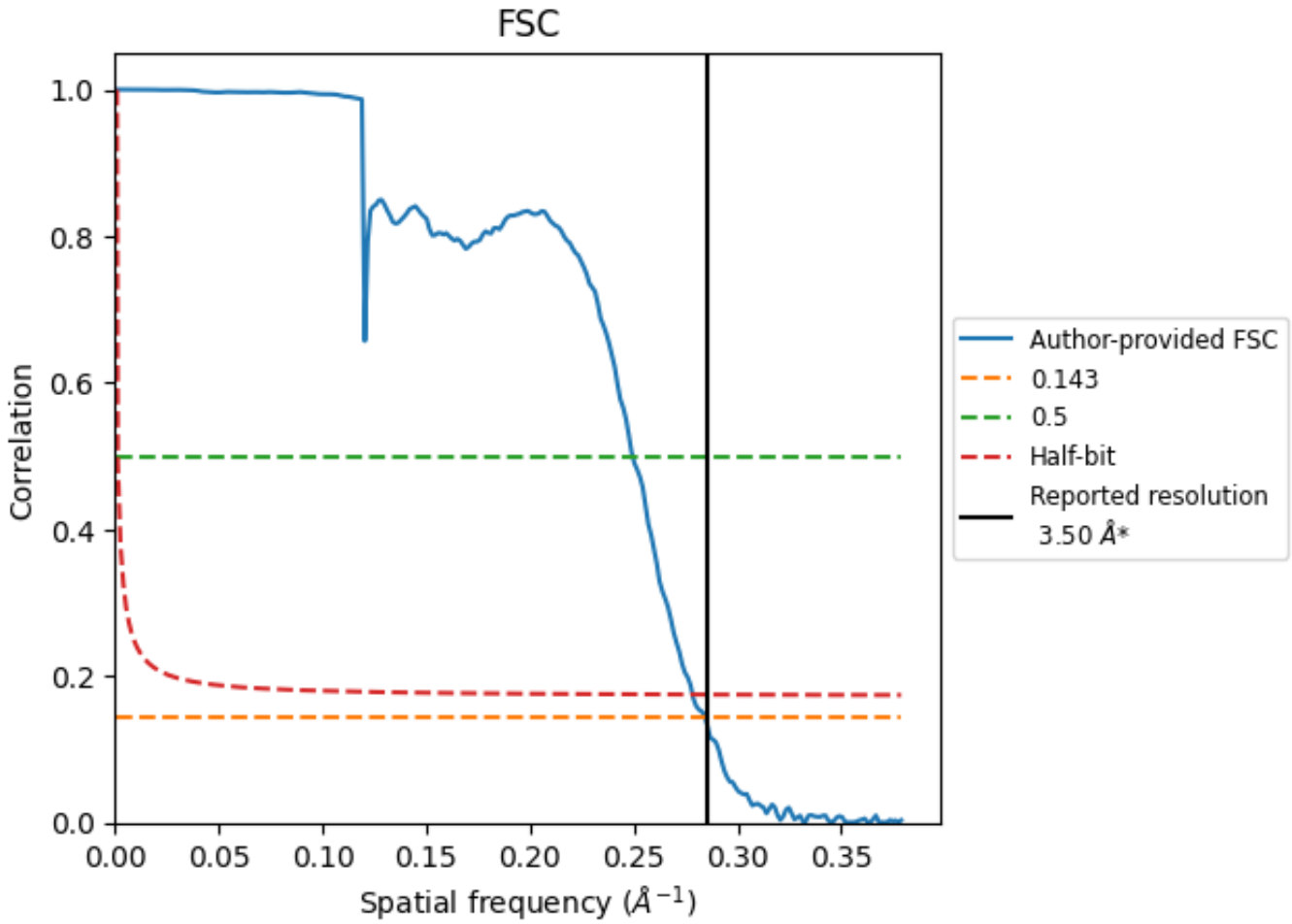


*Reported resolution corresponds to spatial frequency of 0.286 Å^{-1}

8 Fourier-Shell correlation

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC



*Reported resolution corresponds to spatial frequency of 0.286 Å^{-1}

8.2 Resolution estimates (i)

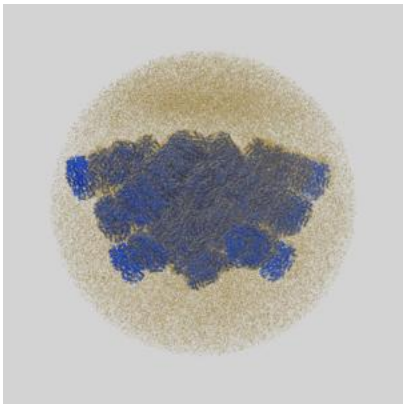
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	3.50	-	-
Author-provided FSC curve	3.52	4.01	3.59
Unmasked-calculated*	-	-	-

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

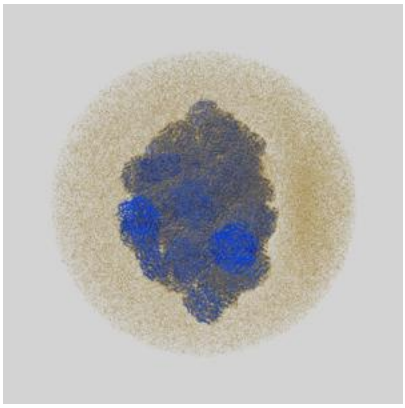
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-6769 and PDB model 5Y6P. Per-residue inclusion information can be found in section 3 on page 183.

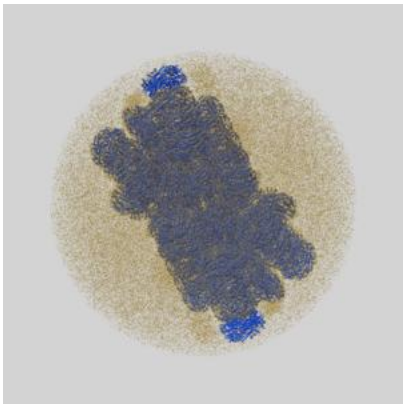
9.1 Map-model overlay



X



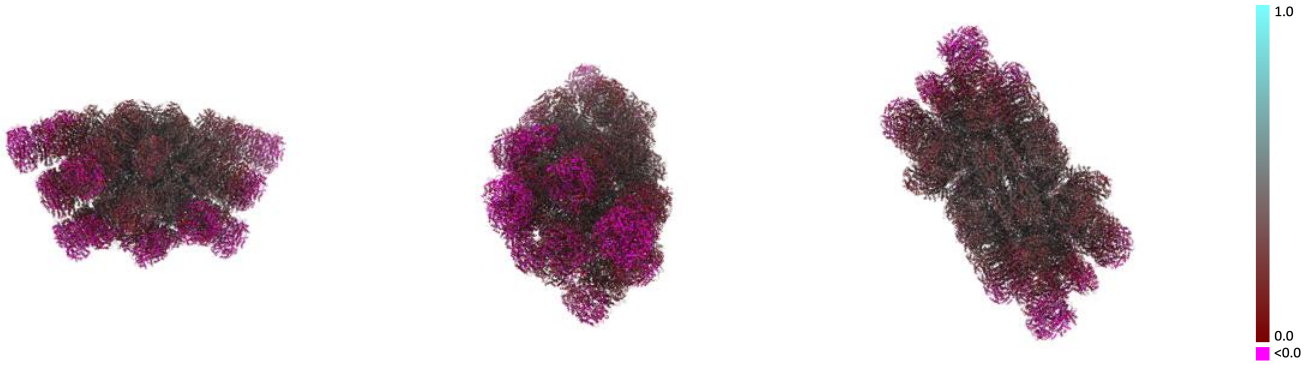
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.018 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

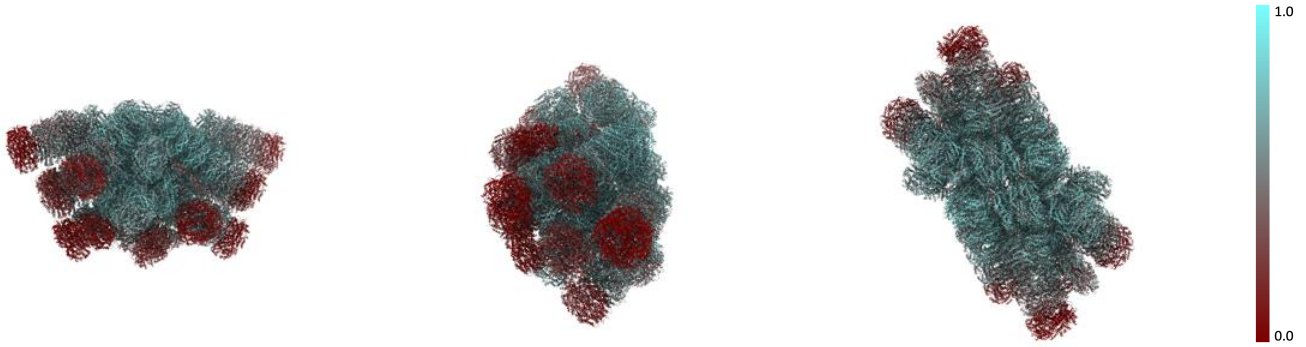
9.2 Q-score mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

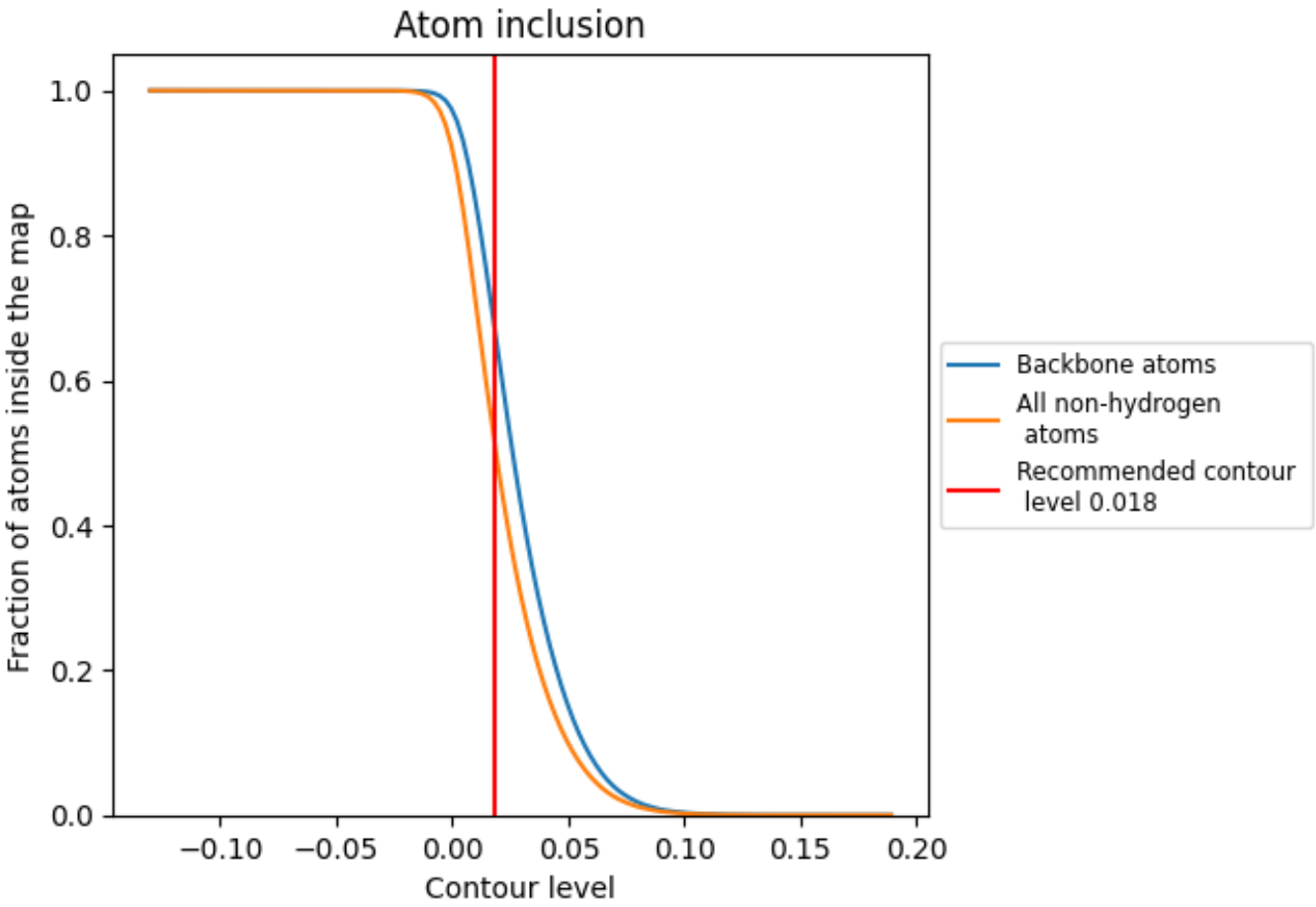
9.3 Atom inclusion mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.018).

9.4 Atom inclusion (i)



At the recommended contour level, 68% of all backbone atoms, 52% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.018) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.5172	0.2670
14	0.6492	0.3640
24	0.5769	0.3090
34	0.4103	0.1680
44	0.0093	0.0240
A1	0.7171	0.4280
A2	0.6806	0.3670
A3	0.6677	0.2900
A4	0.6662	0.2890
A5	0.4203	0.0860
A6	0.7533	0.4070
A7	0.7287	0.3570
A8	0.5579	0.2010
A9	0.5944	0.2150
B1	0.7156	0.4240
B2	0.6824	0.3640
B3	0.6896	0.3570
B4	0.6903	0.3600
B5	0.3987	0.0980
B6	0.7533	0.4070
B7	0.7399	0.4250
B8	0.6029	0.2390
B9	0.6346	0.3150
C1	0.7213	0.4110
C2	0.5294	0.2810
C3	0.5798	0.2950
C4	0.5759	0.2930
C5	0.4009	0.1240
C6	0.7278	0.3480
C7	0.7749	0.4210
C8	0.5224	0.1490
C9	0.6207	0.2980
D1	0.7253	0.4310
D2	0.1330	0.0990
D3	0.5434	0.2960

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Chain	Atom inclusion	Q-score
D4	0.5463	0.2950
D5	0.5014	0.1990
D6	0.6915	0.3380
D7	0.7460	0.4110
D8	0.5197	0.1230
D9	0.5796	0.2680
E1	0.7851	0.4420
E2	0.7217	0.3580
E3	0.4888	0.2190
E4	0.4210	0.0850
E5	0.4695	0.1380
E6	0.7286	0.3590
E7	0.7286	0.3480
E8	0.4899	0.1260
E9	0.5497	0.1760
F1	0.7826	0.4410
F2	0.6606	0.3110
F3	0.5130	0.2550
F4	0.4001	0.1010
F5	0.3777	0.0910
F6	0.7344	0.4110
F7	0.6945	0.3420
F8	0.0085	0.0440
F9	0.5535	0.2020
G1	0.7534	0.4290
G2	0.6106	0.2480
G3	0.5243	0.2860
G4	0.4017	0.1230
G5	0.3886	0.0840
G6	0.7348	0.4030
G7	0.6969	0.3130
G8	0.0094	0.0380
G9	0.6099	0.2460
H1	0.7342	0.4300
H2	0.7101	0.3480
H3	0.5789	0.3530
H4	0.5014	0.1960
H5	0.3592	0.0720
H6	0.7301	0.3680
H7	0.7012	0.3580
H8	0.0093	-0.0140
H9	0.5224	0.1490

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Chain	Atom inclusion	Q-score
I1	0.6902	0.3680
I2	0.7255	0.3870
I3	0.5459	0.3070
I4	0.4672	0.1380
I5	0.4356	0.1130
I6	0.6961	0.3100
I7	0.7556	0.3730
I8	0.0072	0.0330
I9	0.5197	0.1240
J1	0.7075	0.3670
J2	0.7206	0.3980
J3	0.5145	0.2580
J4	0.3763	0.0900
J5	0.4378	0.1200
J6	0.6961	0.3480
J7	0.7258	0.3840
J8	0.0077	0.0450
J9	0.4863	0.1260
K1	0.6796	0.3340
K2	0.7186	0.3960
K3	0.4896	0.2020
K4	0.3855	0.0810
K5	0.0216	0.0450
K6	0.7409	0.3590
K7	0.7402	0.4000
K8	0.0029	0.0270
K9	0.0085	0.0420
L1	0.7415	0.4220
L2	0.7012	0.4000
L3	0.4877	0.2240
L4	0.3596	0.0680
L5	0.0116	0.0250
L6	0.7489	0.4140
L7	0.7355	0.3640
L8	0.0100	0.0280
L9	0.0087	0.0400
M1	0.6953	0.3640
M2	0.6800	0.3340
M3	0.5204	0.2100
M4	0.4341	0.1090
M5	0.0154	0.0160
M6	0.7687	0.3950

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Chain	Atom inclusion	Q-score
M7	0.7360	0.3880
M8	0.0130	0.0300
M9	0.0100	-0.0150
N1	0.7113	0.4150
N2	0.6317	0.3200
N3	0.5456	0.2700
N4	0.4378	0.1150
N5	0.0072	-0.0030
N6	0.7402	0.3880
N7	0.7395	0.4240
N8	0.0123	0.0060
N9	0.0094	0.0340
O1	0.7528	0.4350
O2	0.6315	0.2770
O3	0.1365	0.0600
O4	0.0193	0.0430
O5	0.0093	0.0340
O6	0.7317	0.3280
O7	0.7687	0.4010
O8	0.0080	0.0020
O9	0.0069	0.0470
P1	0.7242	0.4120
P2	0.6541	0.3440
P3	0.1216	0.0440
P4	0.0130	0.0230
P5	0.0194	0.0340
P6	0.6910	0.3480
P7	0.7417	0.3900
P8	0.0069	-0.0030
P9	0.0043	0.0250
Q1	0.7238	0.3980
Q2	0.7239	0.3630
Q3	0.1496	0.0870
Q4	0.0142	0.0200
Q5	0.0185	0.0260
Q6	0.7340	0.3780
Q7	0.7340	0.3290
Q8	0.0058	0.0020
Q9	0.0116	0.0260
R1	0.7372	0.4180
R2	0.6693	0.3520
R3	0.1679	0.1200

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Chain	Atom inclusion	Q-score
R4	0.0087	-0.0030
R5	0.0152	0.0220
R6	0.7402	0.4230
R7	0.6997	0.3590
R8	0.7697	0.4470
R9	0.0123	0.0330
S1	0.7159	0.4160
S2	0.6554	0.2820
S3	0.1758	0.1390
S4	0.0093	0.0380
S5	0.0097	0.0300
S6	0.7602	0.4040
S7	0.7008	0.3460
S8	0.7499	0.4250
S9	0.0116	0.0050
T1	0.6815	0.3590
T2	0.6802	0.3410
T3	0.1570	0.0960
T4	0.0194	0.0330
T5	0.0134	-0.0140
T6	0.7337	0.3930
T7	0.7207	0.3620
T8	0.0093	0.0260
T9	0.0101	0.0000
U1	0.6945	0.3500
U2	0.6808	0.3760
U3	0.1403	0.1200
U4	0.0170	0.0300
U5	0.0208	0.0420
U6	0.6901	0.3360
U7	0.7487	0.3580
U8	0.5582	0.2740
U9	0.0093	-0.0050
V1	0.6547	0.3570
V2	0.7171	0.4180
V3	0.1823	0.1960
V4	0.0123	0.0220
V5	0.0145	0.0380
V6	0.7243	0.3620
V7	0.7605	0.4250
V8	0.8034	0.4480
V9	0.0058	0.0000

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Chain	Atom inclusion	Q-score
W1	0.7366	0.4150
W2	0.7340	0.3960
W3	0.1750	0.1450
W4	0.0100	0.0290
W5	0.6450	0.3620
W6	0.7463	0.3590
W7	0.7618	0.4100
W8	0.7754	0.4410
W9	0.7741	0.4470
X1	0.6837	0.3660
X2	0.6729	0.3670
X3	0.1364	0.1230
X4	0.0116	-0.0150
X5	0.5787	0.3100
X6	0.7533	0.4240
X7	0.7453	0.4010
X8	0.7784	0.4350
X9	0.7507	0.4240
Y1	0.7050	0.3620
Y2	0.6800	0.3130
Y3	0.1349	0.1050
Y4	0.0185	0.0380
Y5	0.4105	0.1670
Y6	0.6993	0.3490
Y7	0.6821	0.3530
Y8	0.7672	0.4360
Y9	0.0088	0.0270
Z1	0.6764	0.3340
Z2	0.6368	0.3050
Z3	0.1360	0.1250
Z4	0.0152	0.0430
Z5	0.0087	0.0240
Z6	0.6454	0.3130
Z7	0.6469	0.3170
Z8	0.7816	0.4440
Z9	0.5636	0.2730
a1	0.7472	0.4240
a2	0.7041	0.4070
a3	0.6824	0.3610
a4	0.5931	0.2500
a5	0.6011	0.2510
a6	0.6505	0.3190

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Chain	Atom inclusion	Q-score
a7	0.6954	0.3900
a8	0.7119	0.3930
a9	0.7104	0.3960
aA	0.6554	0.3280
aB	0.7004	0.3730
aC	0.6931	0.3420
aD	0.7004	0.3790
aE	0.6754	0.3240
aF	0.6371	0.2940
aG	0.6627	0.2850
aH	0.6368	0.2920
aI	0.6546	0.2890
aJ	0.6541	0.2950
aK	0.2336	0.1630
aL	0.2265	0.1960
aM	0.1958	0.1390
aN	0.1772	0.1400
aO	0.1957	0.1160
aP	0.2135	0.1840
aQ	0.2028	0.0970
aR	0.2084	0.0830
aS	0.1843	0.1000
aT	0.1968	0.0750
aU	0.2051	0.1120
aV	0.2156	0.0990
aW	0.7855	0.4440
aX	0.7803	0.4530
aY	0.6941	0.3780
aZ	0.1786	0.1570
aa	0.8026	0.4500
ab	0.7710	0.4430
ac	0.7768	0.4310
ad	0.7740	0.4360
ae	0.7768	0.4430
af	0.7844	0.4560
ag	0.7752	0.4310
ah	0.7455	0.4100
ai	0.7575	0.4160
aj	0.7350	0.4020
ak	0.8163	0.4520
al	0.7530	0.4360
am	0.6858	0.3410

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Chain	Atom inclusion	Q-score
an	0.7064	0.3760
ao	0.7101	0.3760
ap	0.7417	0.4240
aq	0.7309	0.3980
ar	0.7236	0.4000
as	0.6870	0.3410
at	0.6946	0.3770
au	0.7294	0.3900
av	0.6932	0.3710
aw	0.6638	0.3100
ax	0.6423	0.3010
ay	0.5258	0.1540
az	0.5810	0.2390
b1	0.7518	0.4280
b2	0.7056	0.4090
b3	0.6797	0.3610
b4	0.7236	0.3970
b5	0.7276	0.3970
b6	0.7019	0.3780
b7	0.6900	0.3960
b8	0.7434	0.4150
b9	0.7422	0.4170
bA	0.6646	0.3320
bB	0.6997	0.3830
bC	0.6985	0.3440
bD	0.7012	0.3820
bE	0.6800	0.3260
bF	0.6425	0.2940
bG	0.6677	0.2970
bH	0.6454	0.2940
bI	0.6530	0.2930
bJ	0.6520	0.2980
bK	0.2344	0.1630
bL	0.2301	0.1990
bM	0.2035	0.1480
bN	0.1831	0.1420
bO	0.1966	0.1230
bP	0.2149	0.1830
bQ	0.2004	0.1000
bR	0.2101	0.0800
bS	0.1858	0.0950
bT	0.2042	0.0770

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Chain	Atom inclusion	Q-score
bU	0.2066	0.1120
bV	0.2149	0.0990
bW	0.7842	0.4460
bX	0.7845	0.4570
bY	0.6871	0.3770
bZ	0.1761	0.1540
ba	0.7736	0.4430
bb	0.7508	0.3980
bc	0.7752	0.4330
bd	0.7852	0.4410
be	0.8058	0.4550
bf	0.7770	0.4430
bg	0.7840	0.4350
bh	0.7635	0.4330
bi	0.7687	0.4290
bj	0.7493	0.4300
bk	0.7905	0.4420
bl	0.7687	0.4400
bm	0.7471	0.4110
bn	0.7459	0.4180
bo	0.7511	0.4150
bp	0.7385	0.4110
bq	0.7540	0.4370
br	0.7344	0.4070
bs	0.7215	0.3800
bt	0.7371	0.3960
bu	0.7386	0.4030
bv	0.7448	0.4090
bw	0.7355	0.3910
bx	0.7409	0.3970
by	0.6916	0.3470
bz	0.6737	0.3560
c1	0.7318	0.4290
c2	0.7461	0.4560
c3	0.5285	0.2800
c4	0.6617	0.3130
c5	0.6602	0.3160
c6	0.6906	0.3880
c7	0.6440	0.3130
c8	0.6776	0.3860
c9	0.6727	0.3870
cA	0.5644	0.2890

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Chain	Atom inclusion	Q-score
cB	0.4370	0.1770
cC	0.4353	0.1460
cD	0.3678	0.1130
cE	0.4479	0.2060
cF	0.4113	0.1600
cG	0.4626	0.1880
cH	0.6192	0.3500
cI	0.5852	0.3280
cJ	0.5391	0.2860
cK	0.4888	0.2260
cL	0.5203	0.2740
cM	0.5333	0.2750
cN	0.6177	0.3430
cO	0.4399	0.1750
cP	0.4378	0.1980
cQ	0.4121	0.1570
cR	0.5224	0.2720
cS	0.4873	0.2190
cT	0.4641	0.1840
cU	0.5921	0.3260
cV	0.4271	0.1370
cW	0.5628	0.2840
cX	0.3670	0.1130
cY	0.1664	0.0850
cZ	0.2352	0.1050
ca	0.7776	0.4460
cb	0.7478	0.4030
cc	0.7824	0.4410
cd	0.7792	0.4410
ce	0.8066	0.4590
cf	0.7724	0.4420
cg	0.7824	0.4370
ch	0.7650	0.4360
ci	0.7728	0.4290
cj	0.7485	0.4330
ck	0.7824	0.4480
cl	0.7665	0.4450
cm	0.7448	0.4180
cn	0.7526	0.4290
co	0.7459	0.4090
cp	0.7395	0.4100
cq	0.7525	0.4400

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Chain	Atom inclusion	Q-score
cr	0.7352	0.4040
cs	0.7214	0.3860
ct	0.7371	0.3990
cu	0.7463	0.4090
cv	0.7402	0.4110
cw	0.7348	0.3880
cx	0.7456	0.3990
cy	0.6931	0.3480
cz	0.6773	0.3610
d1	0.7145	0.4170
d2	0.7463	0.4530
d3	0.1342	0.0960
d4	0.5818	0.2310
d5	0.5802	0.2320
d6	0.6795	0.3730
d7	0.6599	0.3290
d8	0.5538	0.2950
d9	0.5527	0.3010
dA	0.7240	0.3860
dB	0.7161	0.3850
dC	0.6800	0.3030
dD	0.7149	0.3750
dE	0.6969	0.3370
dF	0.6556	0.3090
dG	0.7001	0.3180
dH	0.7048	0.3750
dI	0.7348	0.3930
dJ	0.7540	0.4090
dK	0.7475	0.4190
dL	0.7091	0.3880
dM	0.7317	0.3920
dN	0.7446	0.4170
dO	0.7278	0.3830
dP	0.7171	0.3710
dQ	0.6816	0.3060
dR	0.7113	0.3750
dS	0.6961	0.3320
dT	0.6563	0.3080
dU	0.6993	0.3210
dV	0.7084	0.3780
dW	0.7533	0.4080
dX	0.7200	0.3880

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Chain	Atom inclusion	Q-score
dY	0.5601	0.1930
dZ	0.6554	0.3000
da	0.1773	0.0330
db	0.1742	0.0670
dc	0.2184	0.0660
dd	0.1990	0.0690
de	0.1689	0.0570
df	0.1606	0.0720
dg	0.1850	0.0350
dh	0.1896	0.0870
di	0.2026	0.0810
dj	0.2511	0.1360
dk	0.1689	0.0540
dl	0.2004	0.0740
dm	0.2244	0.0690
dn	0.1997	0.0830
do	0.1781	0.0320
dp	0.1650	0.0700
dq	0.1719	0.0560
dr	0.1838	0.0850
ds	0.1796	0.0390
dt	0.2496	0.1360
du	0.2259	0.0970
dv	0.1706	0.0880
dw	0.1817	0.1010
dx	0.1816	0.0950
dy	0.5195	0.2940
dz	0.5212	0.2920
e1	0.7579	0.4370
e2	0.4904	0.2200
e3	0.7201	0.3580
e4	0.5928	0.2740
e5	0.5887	0.2670
e6	0.6469	0.3190
e7	0.7192	0.3940
e8	0.1175	0.0980
e9	0.1181	0.0960
eA	0.5914	0.2610
eB	0.6512	0.3270
eC	0.6476	0.3500
eD	0.6360	0.3740
eE	0.6153	0.3030

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Chain	Atom inclusion	Q-score
eF	0.6064	0.3050
eG	0.5906	0.2400
eH	0.6064	0.2720
eI	0.6345	0.3250
eJ	0.6454	0.3150
eK	0.6145	0.2730
eL	0.5854	0.2240
eM	0.6191	0.3030
eN	0.6129	0.3020
eO	0.5937	0.2650
eP	0.6491	0.3250
eQ	0.6500	0.3500
eR	0.6389	0.3690
eS	0.6307	0.3220
eT	0.6425	0.3100
eU	0.6060	0.2720
eV	0.5825	0.2210
eW	0.5944	0.2400
eX	0.6118	0.2720
eY	0.6379	0.3270
eZ	0.6377	0.3290
ea	0.5744	0.1940
eb	0.6185	0.3000
ec	0.6158	0.2430
ed	0.5798	0.2190
ee	0.5861	0.2820
ef	0.6284	0.3070
eg	0.6447	0.3590
eh	0.6315	0.2910
ei	0.6093	0.2480
ej	0.5528	0.1890
ek	0.6484	0.2970
el	0.6165	0.2920
em	0.5883	0.2190
en	0.5832	0.2810
eo	0.6222	0.3020
ep	0.6418	0.3580
eq	0.6307	0.2890
er	0.6122	0.2520
es	0.5551	0.1920
et	0.5637	0.1930
eu	0.5713	0.1910

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Chain	Atom inclusion	Q-score
ev	0.6093	0.2440
ew	0.7325	0.4120
ex	0.7355	0.4070
ey	0.6074	0.3050
ez	0.6095	0.3040
f1	0.7226	0.4140
f2	0.5101	0.2550
f3	0.6599	0.3120
f4	0.6575	0.3570
f5	0.6583	0.3570
f6	0.6376	0.2700
f7	0.7001	0.3520
f8	0.1548	0.0930
f9	0.7844	0.4540
fa	0.1371	0.1770
fb	0.1010	0.1440
fc	0.0912	0.1070
fd	0.1185	0.1060
fe	0.0486	0.0490
ff	0.0612	0.0840
fg	0.0748	0.0840
fh	0.0887	0.0620
fi	0.0738	0.0470
fj	0.0847	0.1040
fk	0.0686	0.0440
fl	0.1018	0.0720
fm	0.0507	0.0590
fn	0.0486	0.0470
fo	0.0637	0.0880
fp	0.0802	0.0870
fq	0.0716	0.0530
fr	0.0655	0.0410
fs	0.0499	0.0530
ft	0.0856	0.0650
fu	0.0849	0.0940
fv	0.1010	0.0640
fw	0.1339	0.1760
fx	0.1033	0.1450
fy	0.0902	0.1000
fz	0.1227	0.0990
g1	0.7224	0.3980
g2	0.5251	0.2870

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Chain	Atom inclusion	Q-score
g3	0.6122	0.2430
g4	0.6961	0.4030
g5	0.6909	0.4070
g6	0.6800	0.3510
g7	0.6407	0.2720
g8	0.1692	0.1900
g9	0.7792	0.4310
ga	0.7475	0.4310
gb	0.7664	0.4030
gc	0.7656	0.4340
gd	0.7742	0.4400
ge	0.7590	0.4110
gf	0.7618	0.4260
gg	0.7315	0.3990
gh	0.7186	0.3450
gi	0.7482	0.3810
gj	0.7263	0.3570
gk	0.7033	0.3680
gl	0.7024	0.3660
gm	0.7679	0.4350
gn	0.7359	0.3970
go	0.7170	0.3470
gp	0.7489	0.3750
gq	0.7502	0.3950
gr	0.7750	0.4390
gs	0.7648	0.4360
gt	0.7554	0.4130
gu	0.7286	0.3590
gv	0.7012	0.3650
gw	0.7039	0.3660
gx	0.7417	0.4290
gy	0.7243	0.4100
gz	0.7216	0.4080
h1	0.6888	0.3650
h2	0.5803	0.3550
h3	0.7094	0.3450
h4	0.5719	0.2440
h5	0.5778	0.2400
h6	0.7093	0.3620
h7	0.6608	0.3340
h8	0.1078	0.0660
h9	0.7403	0.4110

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Chain	Atom inclusion	Q-score
hA	0.0879	0.1000
hB	0.1049	0.1400
hC	0.0840	0.0930
hD	0.0962	0.1240
hE	0.0786	0.0790
hF	0.0925	0.0780
hG	0.0969	0.0630
hH	0.0883	0.1300
hI	0.0717	0.0650
hJ	0.0716	0.0650
hK	0.0763	0.0800
hL	0.0847	0.0470
hM	0.0694	0.0820
hN	0.0810	0.0460
hO	0.0810	0.0830
hP	0.0883	0.0580
hQ	0.0740	0.0620
hR	0.0731	0.0640
hS	0.0794	0.0880
hT	0.0942	0.1220
hU	0.0915	0.0810
hV	0.0861	0.1280
hW	0.0879	0.0980
hX	0.1071	0.1350
hY	0.0812	0.0850
hZ	0.0829	0.0820
i1	0.7372	0.4190
i2	0.5459	0.3090
i3	0.7270	0.3890
i4	0.5939	0.2610
i5	0.5898	0.2600
i6	0.6600	0.3250
i7	0.6877	0.3140
i8	0.1114	0.0480
i9	0.7647	0.4120
iA	0.7687	0.4400
iB	0.7741	0.4370
iC	0.7185	0.4050
iD	0.7352	0.4170
iE	0.7251	0.3940
iF	0.6878	0.3560
iG	0.6113	0.3350

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Chain	Atom inclusion	Q-score
iH	0.6166	0.3340
j1	0.7147	0.4200
j2	0.5051	0.2590
j3	0.7258	0.4060
j4	0.6512	0.3510
j5	0.6512	0.3490
j6	0.6831	0.3150
j7	0.7047	0.3850
j8	0.1318	0.1010
j9	0.7343	0.3990
jI	0.5241	0.3390
jJ	0.5180	0.3390
jK	0.5745	0.3070
jL	0.5737	0.3070
jM	0.5144	0.2330
jN	0.5161	0.2360
jO	0.5824	0.2590
jP	0.5745	0.2550
k1	0.6853	0.3560
k2	0.4865	0.2050
k3	0.7178	0.4010
k4	0.7228	0.4160
k5	0.7236	0.4200
k6	0.5505	0.2420
k7	0.5628	0.2700
k8	0.1518	0.1270
k9	0.8155	0.4530
kQ	0.3205	0.2690
kR	0.3169	0.2710
kS	0.3299	0.2830
kT	0.3356	0.2930
kU	0.3398	0.2970
kV	0.3380	0.2950
kW	0.3566	0.3170
kX	0.3609	0.3210
ka	0.7698	0.4330
kb	0.7678	0.4290
l1	0.6985	0.3510
l2	0.4870	0.2240
l3	0.7027	0.4010
l4	0.6183	0.3480
l5	0.6205	0.3450

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Chain	Atom inclusion	Q-score
l6	0.5282	0.2200
l7	0.5499	0.2820
l8	0.1411	0.1200
l9	0.7507	0.4310
la	0.5829	0.2910
lb	0.5224	0.2240
lc	0.4148	0.0800
ld	0.4153	0.1040
le	0.4611	0.1330
lf	0.5449	0.2420
lg	0.5181	0.2180
lh	0.4812	0.1680
li	0.4114	0.0810
lj	0.4158	0.1000
lk	0.4896	0.1710
ll	0.5188	0.2270
lm	0.4102	0.0830
ln	0.4132	0.1080
lo	0.4570	0.1330
lp	0.5478	0.2420
lq	0.5789	0.2880
lr	0.5275	0.2160
ls	0.4888	0.1660
lt	0.5188	0.2230
lu	0.5120	0.2130
lv	0.4717	0.1700
lw	0.4166	0.0790
lx	0.4194	0.0950
ly	0.4601	0.1860
lz	0.4723	0.1910
m1	0.6515	0.3540
m2	0.5204	0.2150
m3	0.6723	0.3350
m4	0.6420	0.3350
m5	0.6380	0.3370
m6	0.5312	0.1920
m7	0.5528	0.2500
m8	0.1087	0.0390
m9	0.6858	0.3430
n1	0.7415	0.4160
n2	0.5478	0.2660
n3	0.6346	0.3230

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Chain	Atom inclusion	Q-score
n4	0.5977	0.2870
n5	0.6027	0.2850
n6	0.4978	0.2130
n7	0.5326	0.2220
n8	0.1334	0.0860
n9	0.7146	0.3730
o1	0.7843	0.4340
o2	0.1380	0.0610
o3	0.6392	0.2750
o4	0.5073	0.1740
o5	0.5096	0.1780
o6	0.5621	0.2700
o7	0.5328	0.1950
o8	0.1266	0.0810
o9	0.7120	0.3700
p1	0.7885	0.4450
p2	0.1201	0.0450
p3	0.6541	0.3510
p4	0.5528	0.2190
p5	0.5514	0.2130
p6	0.5557	0.2810
p7	0.5015	0.2110
p8	0.1491	0.1430
p9	0.7301	0.4140
q1	0.8062	0.4510
q2	0.1527	0.0870
q3	0.7144	0.3640
q4	0.5636	0.2540
q5	0.5628	0.2540
q6	0.5436	0.2750
q7	0.5389	0.2550
q8	0.1303	0.0800
q9	0.7255	0.3970
r1	0.8015	0.4530
r2	0.1737	0.1250
r3	0.6722	0.3510
r4	0.6431	0.3540
r5	0.6425	0.3560
r6	0.6179	0.3440
r7	0.5514	0.2560
r8	0.1180	0.0610
r9	0.7200	0.4020

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Chain	Atom inclusion	Q-score
s1	0.7899	0.4480
s2	0.1850	0.1450
s3	0.6592	0.2830
s4	0.6237	0.3130
s5	0.6230	0.3180
s6	0.5389	0.2560
s7	0.5453	0.2100
s8	0.1396	0.1260
s9	0.6870	0.3370
t1	0.7869	0.4540
t2	0.1563	0.0950
t3	0.6802	0.3420
t4	0.5007	0.2200
t5	0.5022	0.2200
t6	0.5507	0.2550
t7	0.6027	0.3030
t8	0.1180	0.0460
t9	0.6903	0.3760
u1	0.7851	0.4330
u2	0.1388	0.1190
u3	0.6816	0.3740
u4	0.4765	0.1470
u5	0.4742	0.1450
u6	0.5438	0.2090
u7	0.6006	0.3090
u8	0.1550	0.1410
u9	0.7294	0.3890
v1	0.7917	0.4500
v2	0.1758	0.1980
v3	0.7156	0.4140
v4	0.4920	0.1890
v5	0.4913	0.1880
v6	0.5738	0.2910
v7	0.6187	0.3440
v8	0.5952	0.2140
v9	0.6896	0.3660
w1	0.8037	0.4430
w2	0.1818	0.1450
w3	0.7363	0.3980
w4	0.5335	0.2030
w5	0.5359	0.2050
w6	0.1326	0.0830

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Chain	Atom inclusion	Q-score
w7	0.1419	0.1030
w8	0.6245	0.3060
w9	0.6631	0.3030
x1	0.8023	0.4540
x2	0.1364	0.1220
x3	0.6802	0.3710
x4	0.5693	0.2840
x5	0.5730	0.2870
x6	0.1389	0.0810
x7	0.1274	0.0520
x8	0.6191	0.2980
x9	0.6440	0.3050
y1	0.7859	0.4460
y2	0.1442	0.1060
y3	0.6762	0.3140
y4	0.5120	0.2170
y5	0.5158	0.2160
y6	0.1195	0.0500
y7	0.1599	0.1110
y8	0.5803	0.2750
y9	0.5220	0.1520
z1	0.7853	0.4540
z2	0.1462	0.1260
z3	0.6454	0.3050
z4	0.4682	0.1890
z5	0.4776	0.1910
z6	0.1534	0.1380
z7	0.1635	0.1880
z8	0.5428	0.1720
z9	0.5767	0.2430