Full wwPDB EM Validation Report ⓘ

Apr 8, 2026 – 03:41 AM JST

PDB ID	:	9WD5 / pdb_00009wd5
EMDB ID	:	EMD-65883
Title	:	Cryo-EM structure of PSI-CpcL
Authors	:	Mao, Z.Y.; Li, Z.H.; Han, G.Y.
Deposited on	:	2025-08-18
Resolution	:	2.98 Å(reported)

This is a Full wwPDB EM Validation 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:

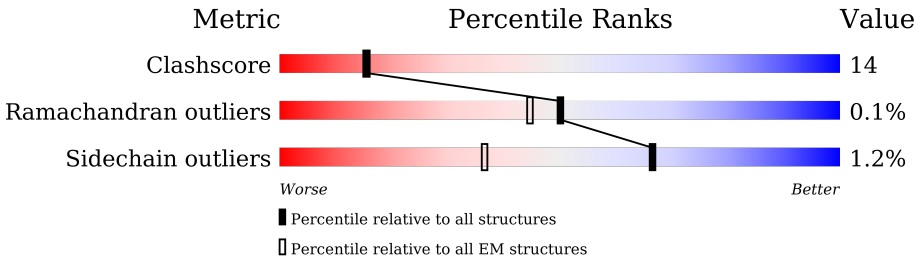
EMDB validation analysis	:	0.0.1.dev132
Mogul	:	1.8.5 (274361), CSD as541be (2020)
MolProbity	:	4-5-2 with Phenix2.0
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
EM percentile statistics	:	202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.48.1

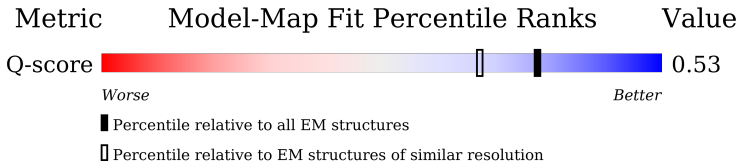
1 Overall quality at a glance

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

The reported resolution of this entry is 2.98 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)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	210492	15764	-
Ramachandran outliers	207382	16835	-
Sidechain outliers	206894	16415	-
Q-score	-	25397	13236 (2.48 - 3.48)

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	1	237	9% 86%
2	A	752	73% 25%
2	G	752	73% 25%
2	a	752	74% 24%

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Mol	Chain	Length	Quality of chain
2	g	752	
3	H	44	
3	X	44	
3	h	44	
3	x	44	
4	B	741	
4	N	741	
4	b	741	
4	n	741	
5	C	81	
5	P	81	
5	c	81	
5	p	81	
6	D	139	
6	Q	139	
6	d	139	
6	q	139	
7	E	70	
7	R	70	
7	e	70	
7	r	70	
8	F	164	
8	S	164	
8	f	164	
8	s	164	

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Mol	Chain	Length	Quality of chain
9	J	49	73% 18% 8%
9	T	49	65% 24% 10%
9	j	49	73% 18% 8%
9	t	49	76% 16% 8%
10	K	86	10% 59% 24% 15%
10	U	86	7% 62% 23% 15%
10	k	86	10% 69% 21% 9%
10	u	86	12% 56% 35% 9%
11	I	46	57% 17% 26%
11	V	46	61% 11% 28%
11	i	46	59% 15% 26%
11	v	46	7% 48% 26% 26%
12	L	172	72% 17% 10%
12	W	172	72% 18% 10%
12	l	172	73% 17% 10%
12	w	172	72% 19% 10%
13	M	32	9% 66% 31%
13	Y	32	6% 75% 22%
13	m	32	6% 75% 22%
13	y	32	81% 16%

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
14	CLA	A	801	X	-	-	-
14	CLA	A	802	X	-	-	-
14	CLA	A	803	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	A	804	X	-	-	-
14	CLA	A	805	X	-	-	-
14	CLA	A	806	X	-	-	-
14	CLA	A	807	X	-	-	-
14	CLA	A	808	X	-	-	-
14	CLA	A	809	X	-	-	-
14	CLA	A	810	X	-	-	-
14	CLA	A	811	X	-	-	-
14	CLA	A	812	X	-	-	-
14	CLA	A	813	X	-	-	-
14	CLA	A	814	X	-	-	-
14	CLA	A	815	X	-	-	-
14	CLA	A	816	X	-	-	-
14	CLA	A	817	X	-	-	-
14	CLA	A	818	X	-	-	-
14	CLA	A	819	X	-	-	-
14	CLA	A	820	X	-	-	-
14	CLA	A	821	X	-	-	-
14	CLA	A	822	X	-	-	-
14	CLA	A	823	X	-	-	-
14	CLA	A	824	X	-	-	-
14	CLA	A	825	X	-	-	-
14	CLA	A	826	X	-	-	-
14	CLA	A	827	X	-	-	-
14	CLA	A	828	X	-	-	-
14	CLA	A	829	X	-	-	-
14	CLA	A	830	X	-	-	-
14	CLA	A	831	X	-	-	-
14	CLA	A	832	X	-	-	-
14	CLA	A	833	X	-	-	-
14	CLA	A	834	X	-	-	-
14	CLA	A	835	X	-	-	-
14	CLA	A	836	X	-	-	-
14	CLA	A	837	X	-	-	-
14	CLA	A	838	X	-	-	-
14	CLA	A	839	X	-	-	-
14	CLA	A	840	X	-	-	-
14	CLA	A	841	X	-	-	-
14	CLA	A	853	X	-	-	-
14	CLA	A	854	X	-	-	-
14	CLA	A	855	X	-	X	-
14	CLA	A	857	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	B	803	X	-	-	-
14	CLA	B	804	X	-	-	-
14	CLA	B	805	X	-	-	-
14	CLA	B	806	X	-	-	-
14	CLA	B	807	X	-	-	-
14	CLA	B	808	X	-	-	-
14	CLA	B	809	X	-	-	-
14	CLA	B	810	X	-	-	-
14	CLA	B	811	X	-	-	-
14	CLA	B	812	X	-	-	-
14	CLA	B	813	X	-	-	-
14	CLA	B	814	X	-	-	-
14	CLA	B	815	X	-	-	-
14	CLA	B	816	X	-	-	-
14	CLA	B	817	X	-	-	-
14	CLA	B	818	X	-	-	-
14	CLA	B	819	X	-	-	-
14	CLA	B	820	X	-	-	-
14	CLA	B	821	X	-	-	-
14	CLA	B	822	X	-	-	-
14	CLA	B	823	X	-	-	-
14	CLA	B	824	X	-	-	-
14	CLA	B	825	X	-	-	-
14	CLA	B	826	X	-	-	-
14	CLA	B	827	X	-	-	-
14	CLA	B	828	X	-	-	-
14	CLA	B	829	X	-	-	-
14	CLA	B	830	X	-	-	-
14	CLA	B	831	X	-	-	-
14	CLA	B	832	X	-	-	-
14	CLA	B	833	X	-	-	-
14	CLA	B	834	X	-	-	-
14	CLA	B	835	X	-	-	-
14	CLA	B	836	X	-	-	-
14	CLA	B	837	X	-	-	-
14	CLA	B	838	X	-	-	-
14	CLA	B	839	X	-	-	-
14	CLA	B	840	X	-	-	-
14	CLA	B	841	X	-	-	-
14	CLA	B	850	X	-	-	-
14	CLA	F	201	X	-	-	-
14	CLA	F	202	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	G	801	X	-	-	-
14	CLA	G	802	X	-	-	-
14	CLA	G	803	X	-	-	-
14	CLA	G	804	X	-	-	-
14	CLA	G	805	X	-	-	-
14	CLA	G	806	X	-	-	-
14	CLA	G	807	X	-	-	-
14	CLA	G	808	X	-	-	-
14	CLA	G	809	X	-	-	-
14	CLA	G	810	X	-	-	-
14	CLA	G	811	X	-	-	-
14	CLA	G	812	X	-	-	-
14	CLA	G	813	X	-	-	-
14	CLA	G	814	X	-	-	-
14	CLA	G	815	X	-	-	-
14	CLA	G	816	X	-	-	-
14	CLA	G	817	X	-	-	-
14	CLA	G	818	X	-	-	-
14	CLA	G	819	X	-	-	-
14	CLA	G	820	X	-	-	-
14	CLA	G	821	X	-	-	-
14	CLA	G	822	X	-	-	-
14	CLA	G	823	X	-	-	-
14	CLA	G	824	X	-	-	-
14	CLA	G	825	X	-	-	-
14	CLA	G	826	X	-	-	-
14	CLA	G	827	X	-	-	-
14	CLA	G	828	X	-	-	-
14	CLA	G	829	X	-	-	-
14	CLA	G	830	X	-	-	-
14	CLA	G	831	X	-	-	-
14	CLA	G	832	X	-	-	-
14	CLA	G	833	X	-	-	-
14	CLA	G	834	X	-	-	-
14	CLA	G	835	X	-	-	-
14	CLA	G	836	X	-	-	-
14	CLA	G	837	X	-	-	-
14	CLA	G	838	X	-	-	-
14	CLA	G	839	X	-	-	-
14	CLA	G	840	X	-	-	-
14	CLA	G	852	X	-	X	-
14	CLA	G	853	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	H	1701	X	-	-	-
14	CLA	J	101	X	-	-	-
14	CLA	J	102	X	-	-	-
14	CLA	K	101	X	-	-	-
14	CLA	L	1501	X	-	-	-
14	CLA	L	1502	X	-	-	-
14	CLA	L	1503	X	-	-	-
14	CLA	N	801	X	-	-	-
14	CLA	N	803	X	-	-	-
14	CLA	N	804	X	-	-	-
14	CLA	N	805	X	-	-	-
14	CLA	N	806	X	-	-	-
14	CLA	N	807	X	-	-	-
14	CLA	N	808	X	-	-	-
14	CLA	N	809	X	-	-	-
14	CLA	N	810	X	-	-	-
14	CLA	N	811	X	-	-	-
14	CLA	N	812	X	-	-	-
14	CLA	N	813	X	-	-	-
14	CLA	N	814	X	-	-	-
14	CLA	N	815	X	-	-	-
14	CLA	N	816	X	-	-	-
14	CLA	N	817	X	-	-	-
14	CLA	N	818	X	-	-	-
14	CLA	N	819	X	-	-	-
14	CLA	N	820	X	-	-	-
14	CLA	N	821	X	-	-	-
14	CLA	N	822	X	-	-	-
14	CLA	N	823	X	-	-	-
14	CLA	N	824	X	-	-	-
14	CLA	N	825	X	-	-	-
14	CLA	N	826	X	-	-	-
14	CLA	N	827	X	-	-	-
14	CLA	N	828	X	-	-	-
14	CLA	N	829	X	-	-	-
14	CLA	N	830	X	-	-	-
14	CLA	N	831	X	-	-	-
14	CLA	N	832	X	-	-	-
14	CLA	N	833	X	-	-	-
14	CLA	N	834	X	-	-	-
14	CLA	N	835	X	-	-	-
14	CLA	N	836	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	N	837	X	-	-	-
14	CLA	N	838	X	-	-	-
14	CLA	N	839	X	-	-	-
14	CLA	N	840	X	-	-	-
14	CLA	N	841	X	-	-	-
14	CLA	N	842	X	-	-	-
14	CLA	N	851	X	-	-	-
14	CLA	S	201	X	-	-	-
14	CLA	S	203	X	-	-	-
14	CLA	T	101	X	-	-	-
14	CLA	T	102	X	-	-	-
14	CLA	U	101	X	-	-	-
14	CLA	U	102	X	-	-	-
14	CLA	W	202	X	-	-	-
14	CLA	W	203	X	-	-	-
14	CLA	W	204	X	-	-	-
14	CLA	X	1701	X	-	-	-
14	CLA	a	801	X	-	-	-
14	CLA	a	802	X	-	-	-
14	CLA	a	803	X	-	-	-
14	CLA	a	804	X	-	-	-
14	CLA	a	805	X	-	-	-
14	CLA	a	806	X	-	-	-
14	CLA	a	807	X	-	-	-
14	CLA	a	808	X	-	-	-
14	CLA	a	809	X	-	-	-
14	CLA	a	810	X	-	-	-
14	CLA	a	811	X	-	-	-
14	CLA	a	812	X	-	-	-
14	CLA	a	813	X	-	-	-
14	CLA	a	814	X	-	-	-
14	CLA	a	815	X	-	-	-
14	CLA	a	816	X	-	-	-
14	CLA	a	817	X	-	-	-
14	CLA	a	818	X	-	-	-
14	CLA	a	819	X	-	-	-
14	CLA	a	820	X	-	-	-
14	CLA	a	821	X	-	-	-
14	CLA	a	822	X	-	-	-
14	CLA	a	823	X	-	-	-
14	CLA	a	824	X	-	-	-
14	CLA	a	825	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	a	826	X	-	-	-
14	CLA	a	827	X	-	-	-
14	CLA	a	828	X	-	-	-
14	CLA	a	829	X	-	-	-
14	CLA	a	830	X	-	-	-
14	CLA	a	831	X	-	-	-
14	CLA	a	832	X	-	-	-
14	CLA	a	833	X	-	-	-
14	CLA	a	834	X	-	-	-
14	CLA	a	835	X	-	-	-
14	CLA	a	836	X	-	-	-
14	CLA	a	837	X	-	-	-
14	CLA	a	838	X	-	-	-
14	CLA	a	839	X	-	-	-
14	CLA	a	840	X	-	-	-
14	CLA	a	852	X	-	-	-
14	CLA	a	853	X	-	-	-
14	CLA	a	854	X	-	-	-
14	CLA	b	802	X	-	-	-
14	CLA	b	803	X	-	-	-
14	CLA	b	804	X	-	-	-
14	CLA	b	805	X	-	-	-
14	CLA	b	806	X	-	-	-
14	CLA	b	807	X	-	-	-
14	CLA	b	808	X	-	-	-
14	CLA	b	809	X	-	-	-
14	CLA	b	810	X	-	-	-
14	CLA	b	811	X	-	-	-
14	CLA	b	812	X	-	-	-
14	CLA	b	813	X	-	-	-
14	CLA	b	814	X	-	-	-
14	CLA	b	815	X	-	-	-
14	CLA	b	816	X	-	-	-
14	CLA	b	817	X	-	-	-
14	CLA	b	818	X	-	-	-
14	CLA	b	819	X	-	-	-
14	CLA	b	820	X	-	-	-
14	CLA	b	821	X	-	-	-
14	CLA	b	822	X	-	-	-
14	CLA	b	823	X	-	-	-
14	CLA	b	824	X	-	-	-
14	CLA	b	825	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	b	826	X	-	-	-
14	CLA	b	827	X	-	-	-
14	CLA	b	828	X	-	-	-
14	CLA	b	829	X	-	-	-
14	CLA	b	830	X	-	-	-
14	CLA	b	831	X	-	-	-
14	CLA	b	832	X	-	-	-
14	CLA	b	833	X	-	-	-
14	CLA	b	834	X	-	-	-
14	CLA	b	835	X	-	-	-
14	CLA	b	836	X	-	-	-
14	CLA	b	837	X	-	-	-
14	CLA	b	838	X	-	-	-
14	CLA	b	839	X	-	-	-
14	CLA	b	840	X	-	-	-
14	CLA	b	841	X	-	-	-
14	CLA	b	851	X	-	-	-
14	CLA	b	853	X	-	-	-
14	CLA	f	201	X	-	-	-
14	CLA	f	202	X	-	-	-
14	CLA	g	801	X	-	-	-
14	CLA	g	802	X	-	-	-
14	CLA	g	803	X	-	-	-
14	CLA	g	804	X	-	-	-
14	CLA	g	805	X	-	-	-
14	CLA	g	806	X	-	-	-
14	CLA	g	807	X	-	-	-
14	CLA	g	808	X	-	-	-
14	CLA	g	809	X	-	-	-
14	CLA	g	810	X	-	-	-
14	CLA	g	811	X	-	-	-
14	CLA	g	812	X	-	-	-
14	CLA	g	813	X	-	-	-
14	CLA	g	814	X	-	-	-
14	CLA	g	815	X	-	-	-
14	CLA	g	816	X	-	-	-
14	CLA	g	817	X	-	-	-
14	CLA	g	818	X	-	-	-
14	CLA	g	819	X	-	-	-
14	CLA	g	820	X	-	-	-
14	CLA	g	821	X	-	-	-
14	CLA	g	822	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	g	823	X	-	-	-
14	CLA	g	824	X	-	-	-
14	CLA	g	825	X	-	-	-
14	CLA	g	826	X	-	-	-
14	CLA	g	827	X	-	-	-
14	CLA	g	828	X	-	-	-
14	CLA	g	829	X	-	-	-
14	CLA	g	830	X	-	-	-
14	CLA	g	831	X	-	-	-
14	CLA	g	832	X	-	-	-
14	CLA	g	833	X	-	-	-
14	CLA	g	834	X	-	-	-
14	CLA	g	835	X	-	-	-
14	CLA	g	836	X	-	-	-
14	CLA	g	837	X	-	-	-
14	CLA	g	838	X	-	-	-
14	CLA	g	839	X	-	-	-
14	CLA	g	840	X	-	-	-
14	CLA	g	852	X	-	-	-
14	CLA	g	853	X	-	-	-
14	CLA	g	854	X	-	-	-
14	CLA	h	1701	X	-	-	-
14	CLA	j	101	X	-	-	-
14	CLA	j	102	X	-	-	-
14	CLA	k	101	X	-	-	-
14	CLA	l	202	X	-	-	-
14	CLA	l	203	X	-	-	-
14	CLA	l	204	X	-	-	-
14	CLA	n	802	X	-	-	-
14	CLA	n	803	X	-	-	-
14	CLA	n	804	X	-	-	-
14	CLA	n	805	X	-	-	-
14	CLA	n	806	X	-	-	-
14	CLA	n	807	X	-	-	-
14	CLA	n	808	X	-	-	-
14	CLA	n	809	X	-	-	-
14	CLA	n	810	X	-	-	-
14	CLA	n	811	X	-	-	-
14	CLA	n	812	X	-	-	-
14	CLA	n	813	X	-	-	-
14	CLA	n	814	X	-	-	-
14	CLA	n	815	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	n	816	X	-	-	-
14	CLA	n	817	X	-	-	-
14	CLA	n	818	X	-	-	-
14	CLA	n	819	X	-	-	-
14	CLA	n	820	X	-	-	-
14	CLA	n	821	X	-	-	-
14	CLA	n	822	X	-	-	-
14	CLA	n	823	X	-	-	-
14	CLA	n	824	X	-	-	-
14	CLA	n	825	X	-	-	-
14	CLA	n	826	X	-	-	-
14	CLA	n	827	X	-	-	-
14	CLA	n	828	X	-	-	-
14	CLA	n	829	X	-	-	-
14	CLA	n	830	X	-	-	-
14	CLA	n	831	X	-	-	-
14	CLA	n	832	X	-	-	-
14	CLA	n	833	X	-	-	-
14	CLA	n	834	X	-	-	-
14	CLA	n	835	X	-	-	-
14	CLA	n	836	X	-	-	-
14	CLA	n	837	X	-	-	-
14	CLA	n	838	X	-	-	-
14	CLA	n	839	X	-	-	-
14	CLA	n	840	X	-	-	-
14	CLA	n	850	X	-	-	-
14	CLA	n	852	X	-	-	-
14	CLA	s	201	X	-	-	-
14	CLA	s	202	X	-	-	-
14	CLA	t	101	X	-	-	-
14	CLA	t	102	X	-	-	-
14	CLA	u	101	X	-	-	-
14	CLA	u	102	X	-	-	-
14	CLA	w	203	X	-	-	-
14	CLA	w	204	X	-	-	-
14	CLA	w	205	X	-	-	-
14	CLA	x	1701	X	-	-	-
17	BCR	N	852	-	-	X	-
19	CL0	A	852	X	-	-	-
19	CL0	G	851	X	-	-	-
19	CL0	a	851	X	-	-	-
19	CL0	g	851	X	-	-	-

2 Entry composition (i)

There are 21 unique types of molecules in this entry. The entry contains 98661 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 Photosystem I-associated linker protein CpcL.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	1	33	Total	C	N	O	S	0	0
			247	166	36	44	1		

- Molecule 2 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	G	741	Total	C	N	O	S	0	0
			5814	3814	1001	978	21		
2	g	742	Total	C	N	O	S	0	0
			5823	3820	1003	979	21		
2	A	742	Total	C	N	O	S	0	0
			5823	3820	1003	979	21		
2	a	742	Total	C	N	O	S	0	0
			5823	3820	1003	979	21		

- Molecule 3 is a protein called Photosystem I 4.8 kDa protein.

Mol	Chain	Residues	Atoms				AltConf	Trace
3	H	31	Total	C	N	O	0	0
			257	179	40	38		
3	h	30	Total	C	N	O	0	0
			248	174	38	36		
3	X	31	Total	C	N	O	0	0
			257	179	40	38		
3	x	31	Total	C	N	O	0	0
			257	179	40	38		

- Molecule 4 is a protein called Photosystem I P700 chlorophyll a apoprotein A2 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	N	739	Total	C	N	O	S	0	0
			5913	3902	990	1003	18		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	n	738	Total	C	N	O	S	0	0
			5906	3898	989	1001	18		
4	B	740	Total	C	N	O	S	0	0
			5918	3905	991	1004	18		
4	b	740	Total	C	N	O	S	0	0
			5918	3905	991	1004	18		

- Molecule 5 is a protein called Photosystem I iron-sulfur center.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	P	80	Total	C	N	O	S	0	0
			598	367	103	117	11		
5	p	80	Total	C	N	O	S	0	0
			598	367	103	117	11		
5	C	80	Total	C	N	O	S	0	0
			598	367	103	117	11		
5	c	80	Total	C	N	O	S	0	0
			598	367	103	117	11		

- Molecule 6 is a protein called Photosystem I reaction center subunit II.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	Q	135	Total	C	N	O	S	0	0
			1040	666	179	194	1		
6	q	136	Total	C	N	O	S	0	0
			1047	670	180	196	1		
6	D	135	Total	C	N	O	S	0	0
			1040	666	179	194	1		
6	d	136	Total	C	N	O	S	0	0
			1047	670	180	196	1		

- Molecule 7 is a protein called Photosystem I reaction center subunit IV.

Mol	Chain	Residues	Atoms				AltConf	Trace
7	R	61	Total	C	N	O	0	0
			490	313	84	93		
7	r	60	Total	C	N	O	0	0
			481	308	83	90		
7	E	61	Total	C	N	O	0	0
			490	313	84	93		
7	e	61	Total	C	N	O	0	0
			490	313	84	93		

- Molecule 8 is a protein called Photosystem I reaction center subunit III.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	S	141	Total	C	N	O	S	0	0
			1080	690	184	204	2		
8	s	141	Total	C	N	O	S	0	0
			1080	690	184	204	2		
8	F	141	Total	C	N	O	S	0	0
			1080	690	184	204	2		
8	f	141	Total	C	N	O	S	0	0
			1080	690	184	204	2		

- Molecule 9 is a protein called Photosystem I reaction center subunit IX.

Mol	Chain	Residues	Atoms				AltConf	Trace
9	T	44	Total	C	N	O	0	0
			354	241	53	60		
9	t	45	Total	C	N	O	0	0
			359	244	54	61		
9	J	45	Total	C	N	O	0	0
			359	244	54	61		
9	j	45	Total	C	N	O	0	0
			359	244	54	61		

- Molecule 10 is a protein called Photosystem I reaction center subunit PsaK 1.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	U	73	Total	C	N	O	S	0	0
			537	357	89	90	1		
10	u	78	Total	C	N	O	S	0	0
			568	376	94	97	1		
10	K	73	Total	C	N	O	S	0	0
			537	357	89	90	1		
10	k	78	Total	C	N	O	S	0	0
			568	376	94	97	1		

- Molecule 11 is a protein called Photosystem I reaction center subunit VIII.

Mol	Chain	Residues	Atoms				AltConf	Trace
11	V	33	Total	C	N	O	0	0
			268	184	37	47		
11	v	34	Total	C	N	O	0	0
			275	189	38	48		
11	I	34	Total	C	N	O	0	0
			275	189	38	48		

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Mol	Chain	Residues	Atoms				AltConf	Trace
11	i	34	Total 275	C 189	N 38	O 48	0	0

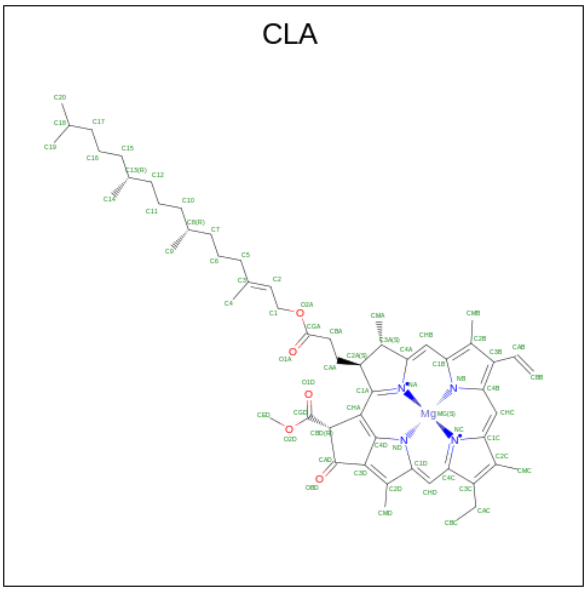
- Molecule 12 is a protein called Photosystem I reaction center subunit XI.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	W	155	Total 1163	C 763	N 197	O 202	S 1	0	0
12	w	155	Total 1163	C 763	N 197	O 202	S 1	0	0
12	L	155	Total 1163	C 763	N 197	O 202	S 1	0	0
12	l	155	Total 1163	C 763	N 197	O 202	S 1	0	0

- Molecule 13 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms				AltConf	Trace
13	Y	31	Total 241	C 160	N 37	O 44	0	0
13	y	31	Total 241	C 160	N 37	O 44	0	0
13	M	31	Total 241	C 160	N 37	O 44	0	0
13	m	31	Total 241	C 160	N 37	O 44	0	0

- Molecule 14 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 54	C 44	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 59	C 49	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 59	C 49	Mg 1	N 4	O 5	0
14	G	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	G	1	Total 54	C 44	Mg 1	N 4	O 5	0
14	G	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	G	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	G	1	Total 59	C 49	Mg 1	N 4	O 5	0
14	G	1	Total 60	C 50	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 54	C 44	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	G	1	Total 54	C 44	Mg 1	N 4	O 5	0
14	G	1	Total 45	C 35	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 54	C 44	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 54	C 44	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 65	C 55	Mg 1	N 4	O 5	0
14	G	1	Total 54	C 44	Mg 1	N 4	O 5	0
14	G	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
14	G	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	H	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			54	44	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			54	44	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	N	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	N	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	S	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	T	1	Total	C	Mg	N	O	0
			37	31	1	4	1	
14	U	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
14	U	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	W	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	W	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	W	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	g	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	h	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
14	n	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	s	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	s	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	t	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	t	1	Total	C	Mg	N	O	0
			37	31	1	4	1	
14	u	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
14	u	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	w	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	w	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	w	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			51	41	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	A	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	X	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			54	44	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			54	44	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	F	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	F	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	J	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	J	1	Total	C	Mg	N	O	0
			37	31	1	4	1	
14	K	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
14	L	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	L	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	a	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	x	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
14	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
14	f	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
14	f	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	j	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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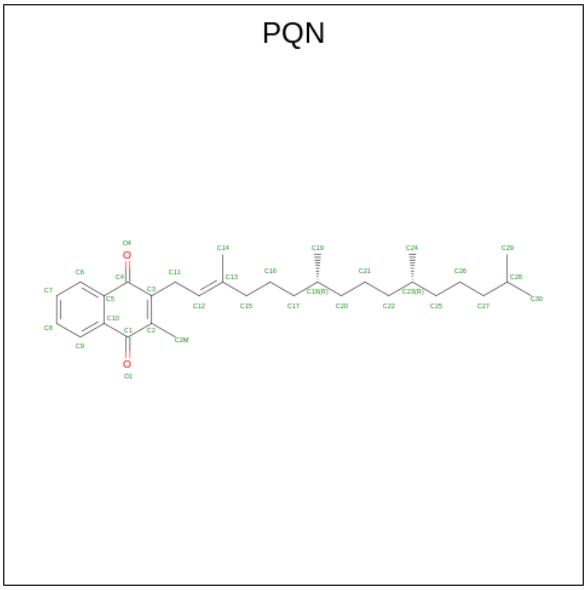
Mol	Chain	Residues	Atoms					AltConf
14	j	1	Total	C	Mg	N	O	0
			37	31	1	4	1	
14	k	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
14	l	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

- Molecule 15 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms			AltConf
15	G	1	Total	C	O	0
			33	31	2	
15	N	1	Total	C	O	0
			33	31	2	
15	g	1	Total	C	O	0
			33	31	2	
15	n	1	Total	C	O	0
			33	31	2	
15	A	1	Total	C	O	0
			33	31	2	
15	B	1	Total	C	O	0
			33	31	2	

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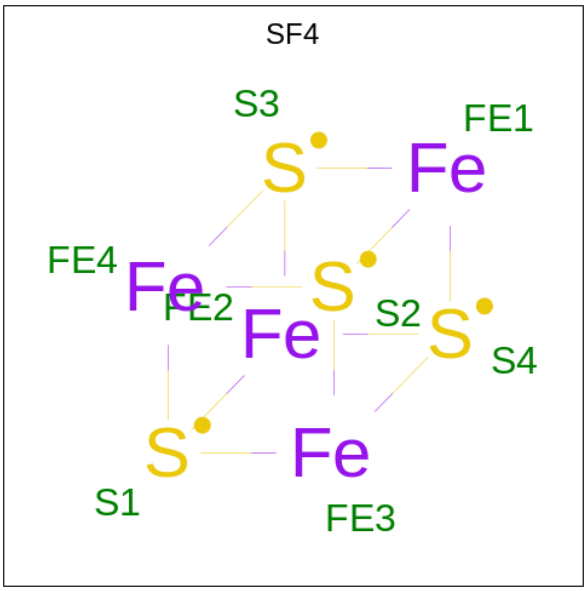
Mol	Chain	Residues	Atoms	AltConf
15	a	1	Total C O 33 31 2	0
15	b	1	Total C O 33 31 2	0

- Molecule 16 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	AltConf
16	G	1	Total Fe S 8 4 4	0
16	P	1	Total Fe S 8 4 4	0
16	P	1	Total Fe S 8 4 4	0
16	g	1	Total Fe S 8 4 4	0
16	p	1	Total Fe S 8 4 4	0
16	p	1	Total Fe S 8 4 4	0
16	A	1	Total Fe S 8 4 4	0
16	C	1	Total Fe S 8 4 4	0
16	C	1	Total Fe S 8 4 4	0

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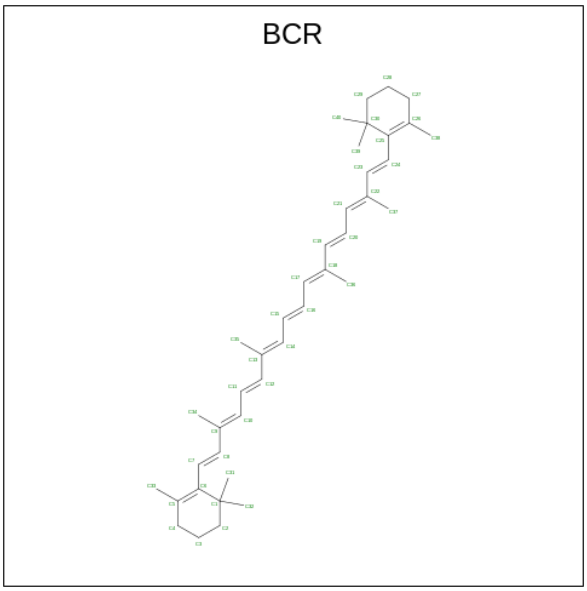
Mol	Chain	Residues	Atoms	AltConf
16	a	1	Total Fe S 8 4 4	0
16	c	1	Total Fe S 8 4 4	0
16	c	1	Total Fe S 8 4 4	0

- Molecule 17 is BETA-CAROTENE (CCD ID: BCR) (formula: $C_{40}H_{56}$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms	AltConf
17	G	1	Total C 40 40	0
17	G	1	Total C 40 40	0
17	G	1	Total C 40 40	0
17	G	1	Total C 40 40	0
17	G	1	Total C 40 40	0
17	G	1	Total C 40 40	0
17	N	1	Total C 40 40	0
17	N	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	N	1	Total C 40 40	0
17	N	1	Total C 40 40	0
17	N	1	Total C 40 40	0
17	N	1	Total C 40 40	0
17	N	1	Total C 40 40	0
17	N	1	Total C 40 40	0
17	S	1	Total C 40 40	0
17	T	1	Total C 40 40	0
17	T	1	Total C 40 40	0
17	U	1	Total C 40 40	0
17	V	1	Total C 40 40	0
17	W	1	Total C 40 40	0
17	W	1	Total C 40 40	0
17	W	1	Total C 40 40	0
17	Y	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	g	1	Total C 40 40	0
17	g	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	n	1	Total C 40 40	0
17	s	1	Total C 40 40	0
17	t	1	Total C 40 40	0
17	t	1	Total C 40 40	0
17	u	1	Total C 40 40	0
17	v	1	Total C 40 40	0
17	w	1	Total C 40 40	0
17	w	1	Total C 40 40	0
17	w	1	Total C 40 40	0
17	y	1	Total C 40 40	0
17	A	1	Total C 40 40	0
17	A	1	Total C 40 40	0
17	A	1	Total C 40 40	0
17	A	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
17	A	1	Total C 40 40	0
17	A	1	Total C 40 40	0
17	A	1	Total C 40 40	0
17	B	1	Total C 40 40	0
17	B	1	Total C 40 40	0
17	B	1	Total C 40 40	0
17	B	1	Total C 40 40	0
17	B	1	Total C 40 40	0
17	B	1	Total C 40 40	0
17	B	1	Total C 40 40	0
17	B	1	Total C 40 40	0
17	F	1	Total C 40 40	0
17	J	1	Total C 40 40	0
17	K	1	Total C 40 40	0
17	I	1	Total C 40 40	0
17	I	1	Total C 40 40	0
17	I	1	Total C 40 40	0
17	L	1	Total C 40 40	0
17	M	1	Total C 40 40	0
17	a	1	Total C 40 40	0
17	a	1	Total C 40 40	0

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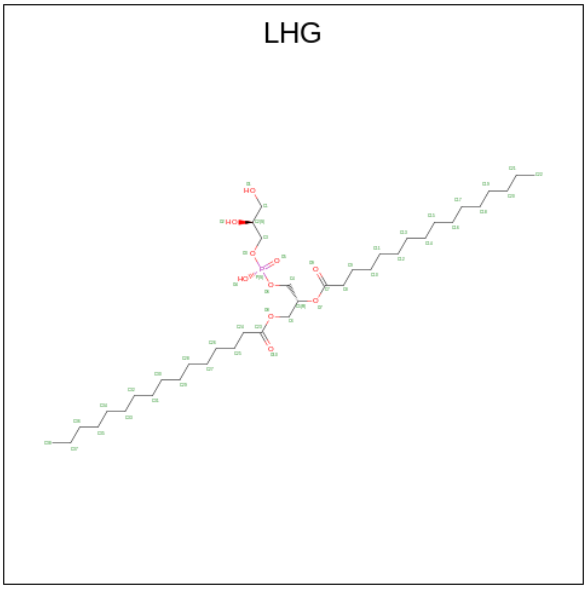
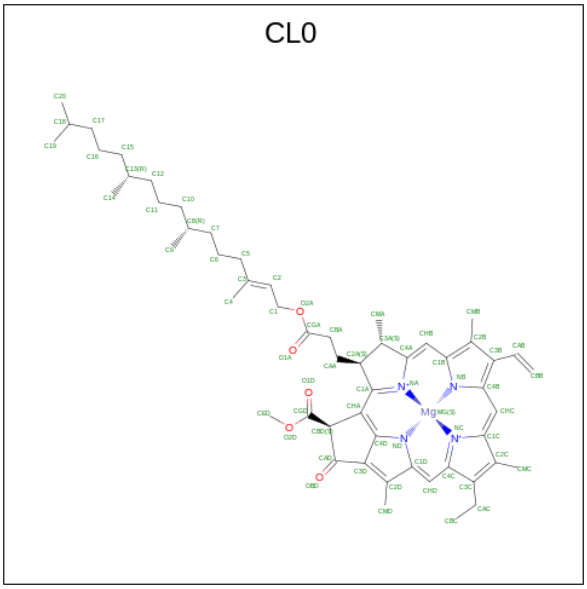
Mol	Chain	Residues	Atoms	AltConf
17	a	1	Total C 40 40	0
17	a	1	Total C 40 40	0
17	a	1	Total C 40 40	0
17	a	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	b	1	Total C 40 40	0
17	f	1	Total C 40 40	0
17	j	1	Total C 40 40	0
17	j	1	Total C 40 40	0
17	k	1	Total C 40 40	0
17	i	1	Total C 40 40	0
17	i	1	Total C 40 40	0
17	l	1	Total C 40 40	0
17	l	1	Total C 40 40	0
17	m	1	Total C 40 40	0

- Molecule 18 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$) (labeled as "Ligand of Interest" by depositor).



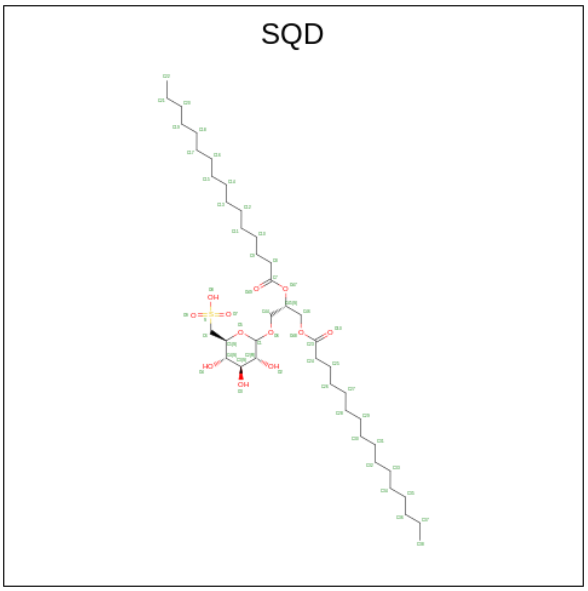
Mol	Chain	Residues	Atoms				AltConf
18	G	1	Total	C	O	P	0
			49	38	10	1	
18	G	1	Total	C	O	P	0
			49	38	10	1	
18	S	1	Total	C	O	P	0
			43	32	10	1	
18	g	1	Total	C	O	P	0
			49	38	10	1	
18	g	1	Total	C	O	P	0
			49	38	10	1	
18	v	1	Total	C	O	P	0
			43	32	10	1	
18	A	1	Total	C	O	P	0
			49	38	10	1	
18	A	1	Total	C	O	P	0
			49	38	10	1	
18	X	1	Total	C	O	P	0
			43	32	10	1	
18	a	1	Total	C	O	P	0
			49	38	10	1	
18	a	1	Total	C	O	P	0
			49	38	10	1	
18	m	1	Total	C	O	P	0
			43	32	10	1	

- Molecule 19 is CHLOROPHYLL A ISOMER (CCD ID: CL0) (formula: $C_{55}H_{72}MgN_4O_5$) (labeled as "Ligand of Interest" by depositor).



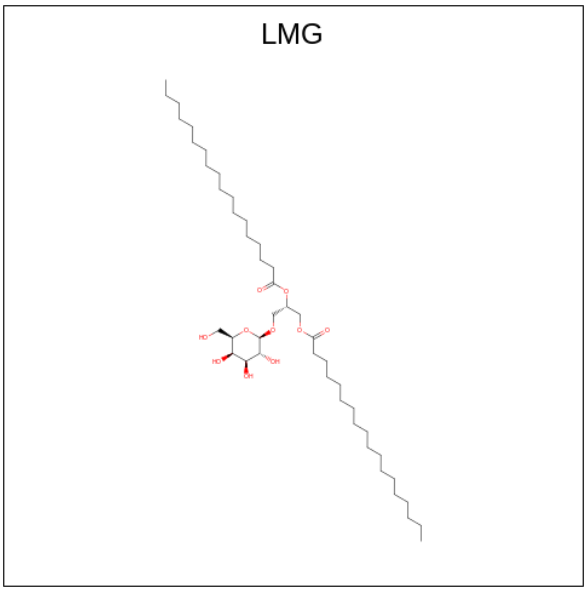
Mol	Chain	Residues	Atoms					AltConf
19	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
19	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
19	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
19	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

- Molecule 20 is 1,2-DI-O-ACYL-3-O-[6-DEOXY-6-SULFO-ALPHA-D-GLUCOPYRANOSYL]-SN-GLYCEROL (CCD ID: SQD) (formula: $C_{41}H_{78}O_{12}S$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms				AltConf
20	H	1	Total	C	O	S	0
			54	41	12	1	
20	h	1	Total	C	O	S	0
			54	41	12	1	
20	n	1	Total	C	O	S	0
			54	41	12	1	
20	w	1	Total	C	O	S	0
			54	41	12	1	
20	B	1	Total	C	O	S	0
			54	41	12	1	
20	x	1	Total	C	O	S	0
			54	41	12	1	
20	b	1	Total	C	O	S	0
			54	41	12	1	
20	l	1	Total	C	O	S	0
			54	41	12	1	

- Molecule 21 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: $C_{45}H_{86}O_{10}$) (labeled as "Ligand of Interest" by depositor).



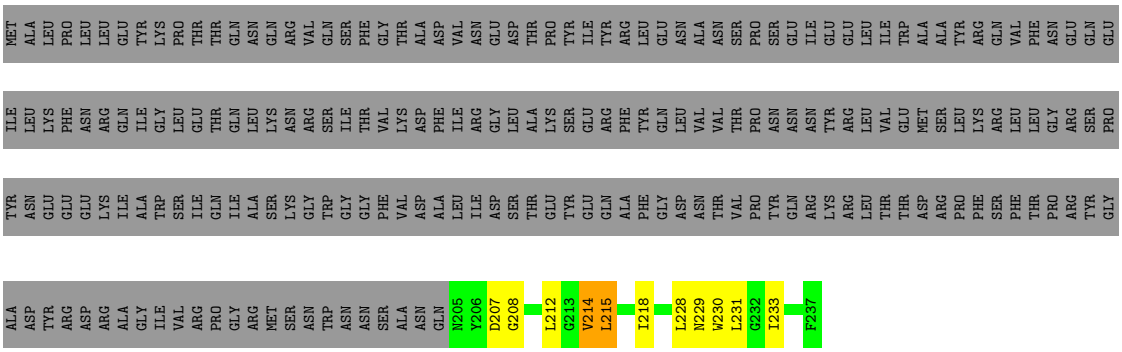
Mol	Chain	Residues	Atoms	AltConf
21	N	1	Total C O 35 25 10	0
21	N	1	Total C O 55 45 10	0
21	n	1	Total C O 55 45 10	0
21	B	1	Total C O 35 25 10	0
21	B	1	Total C O 55 45 10	0
21	b	1	Total C O 55 45 10	0

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.

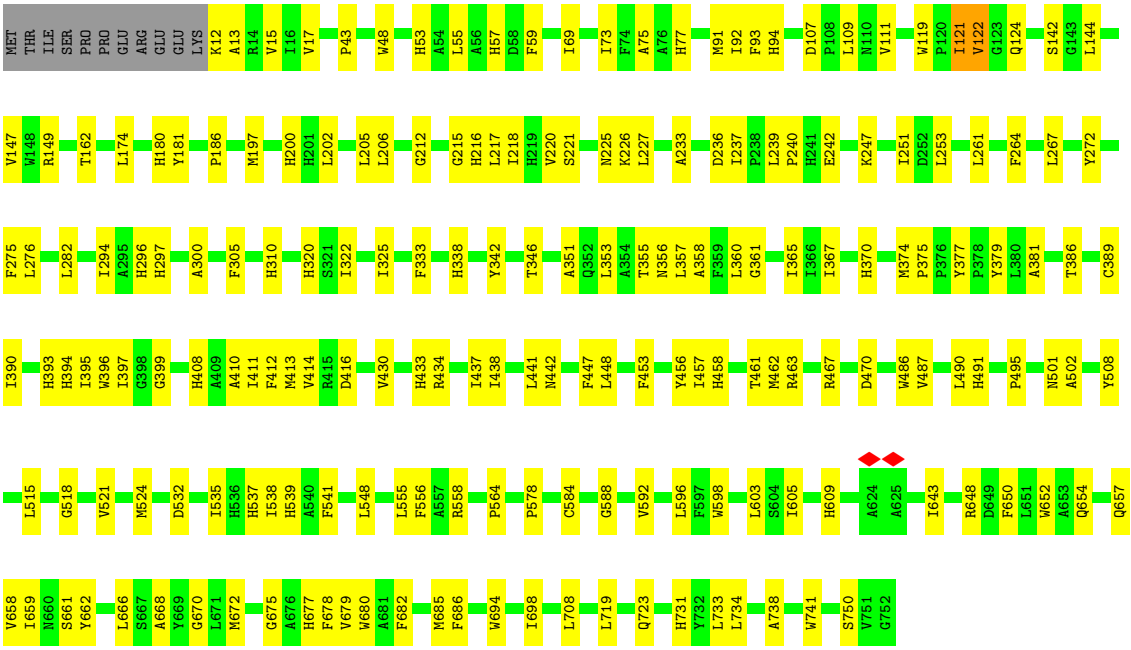
• Molecule 1: Photosystem I-associated linker protein CpcL

Chain 1:



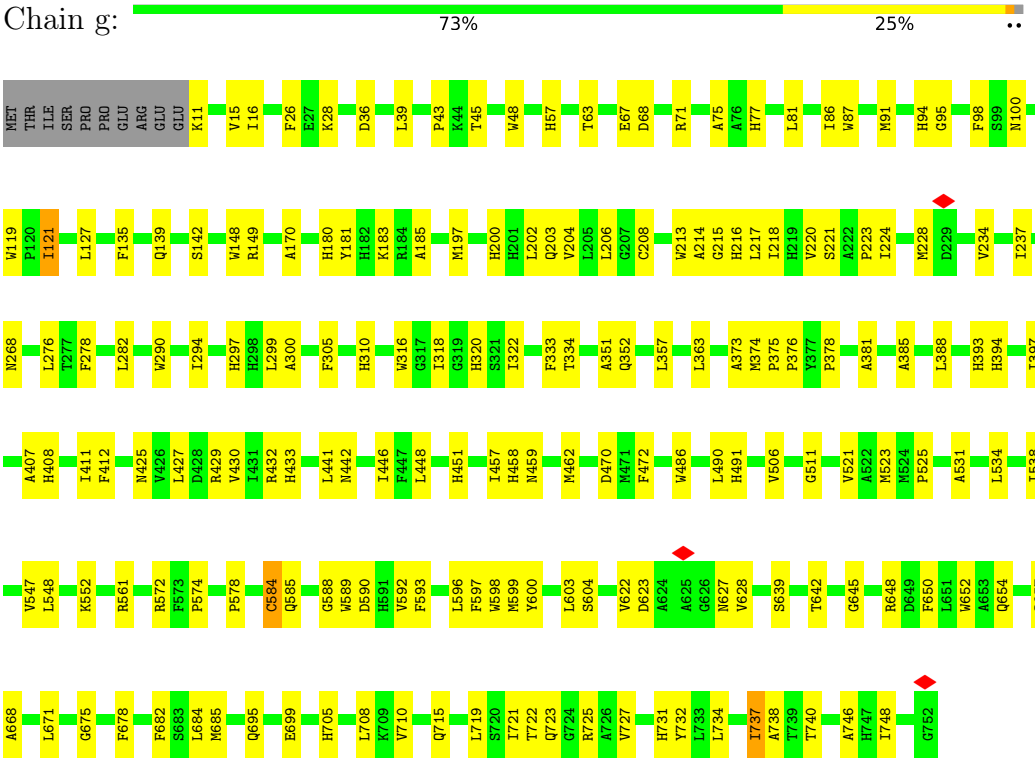
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A1

Chain G:



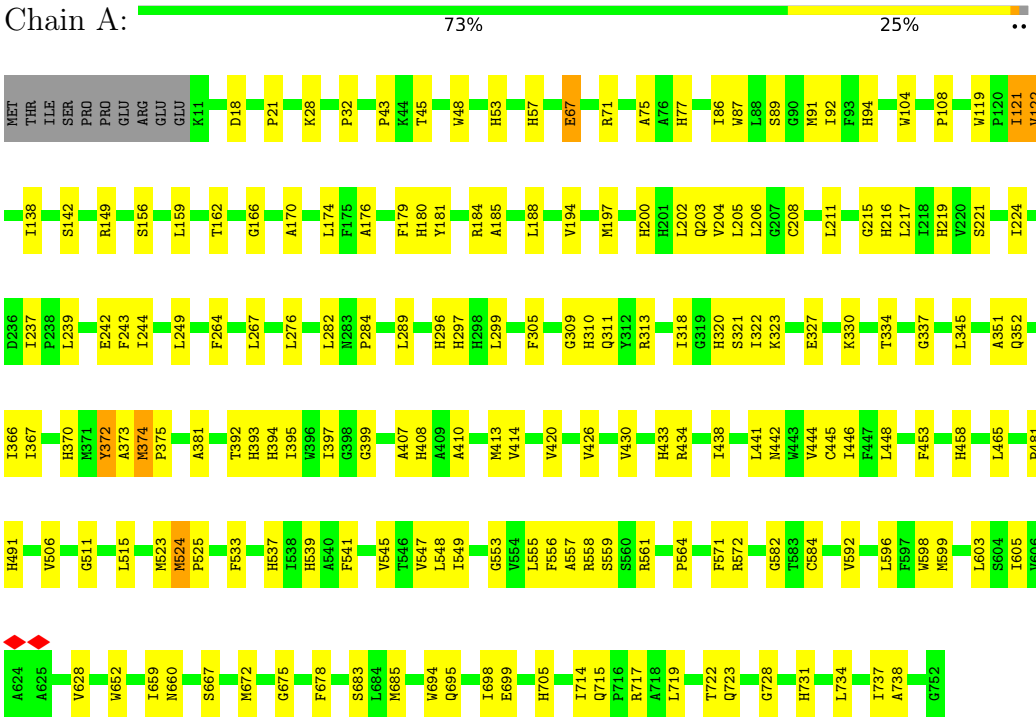
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A1

Chain g:



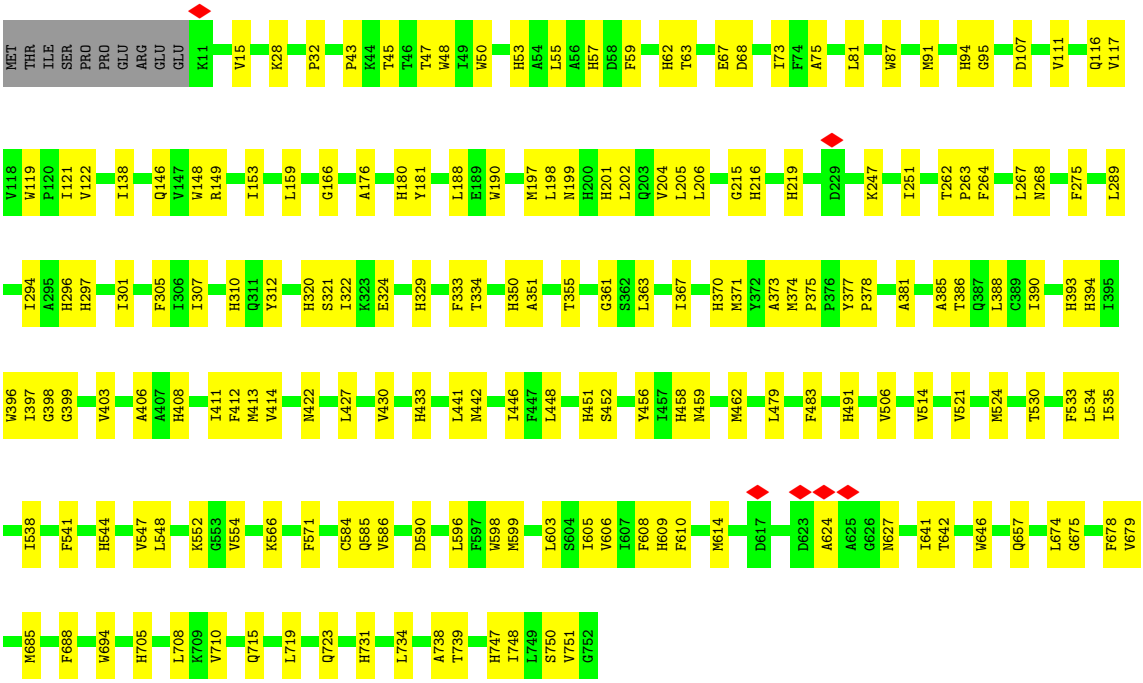
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A1

Chain A:



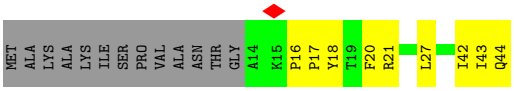
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A1

Chain a:



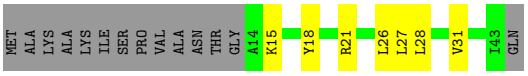
• Molecule 3: Photosystem I 4.8 kDa protein

Chain H:



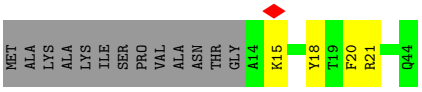
• Molecule 3: Photosystem I 4.8 kDa protein

Chain h:



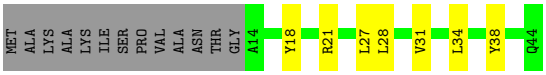
• Molecule 3: Photosystem I 4.8 kDa protein

Chain X:



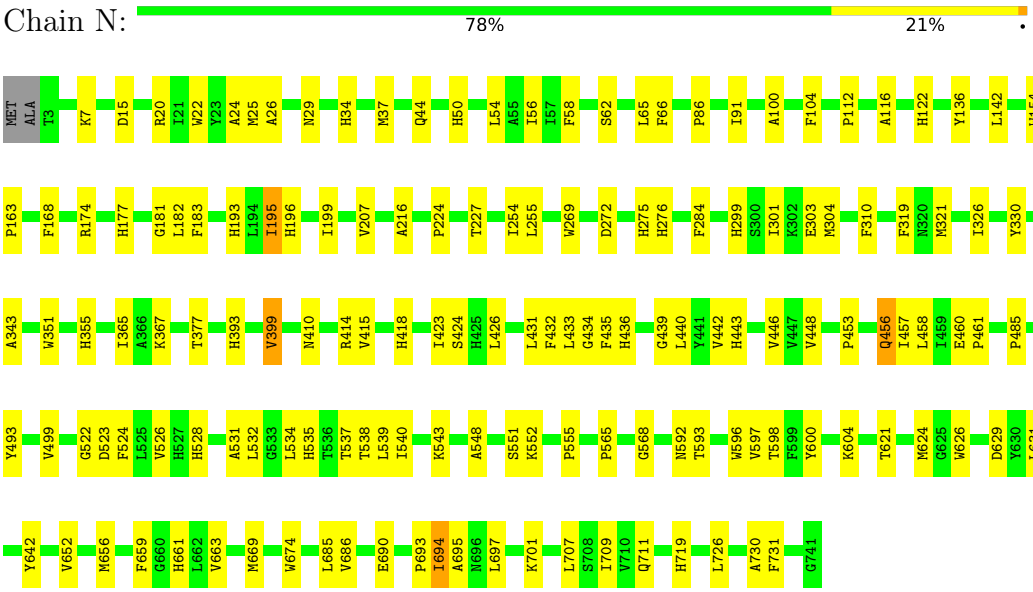
• Molecule 3: Photosystem I 4.8 kDa protein

Chain x:



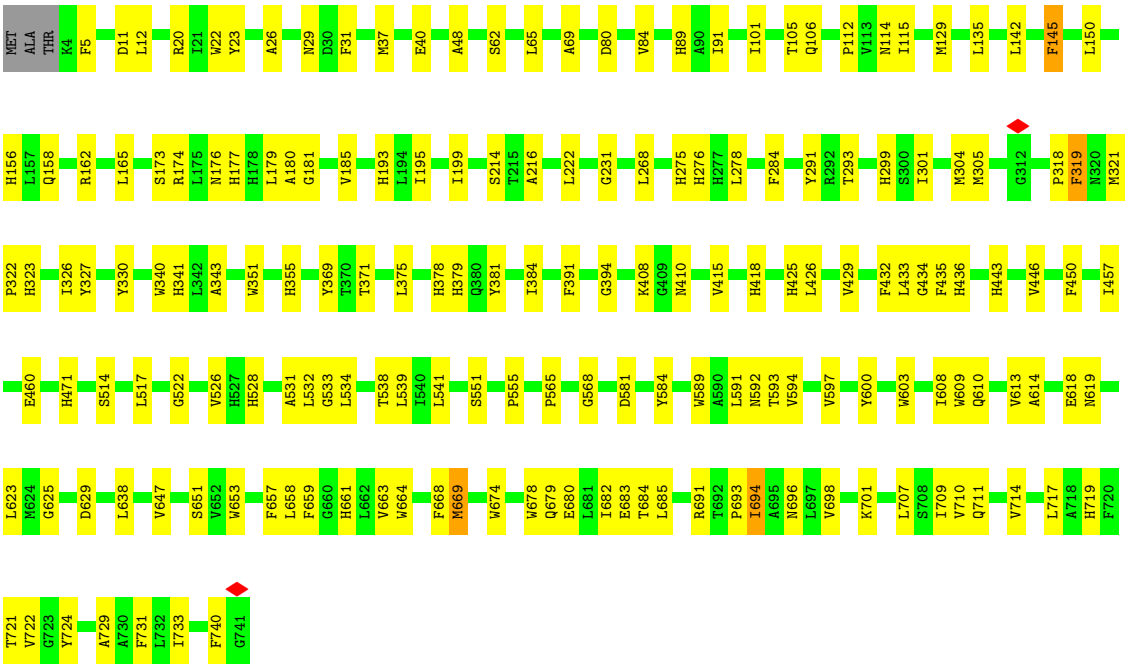
• Molecule 4: Photosystem I P700 chlorophyll a apoprotein A2 1

Chain N:



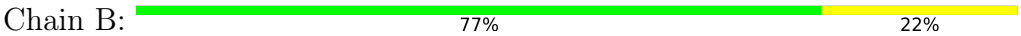
• Molecule 4: Photosystem I P700 chlorophyll a apoprotein A2 1

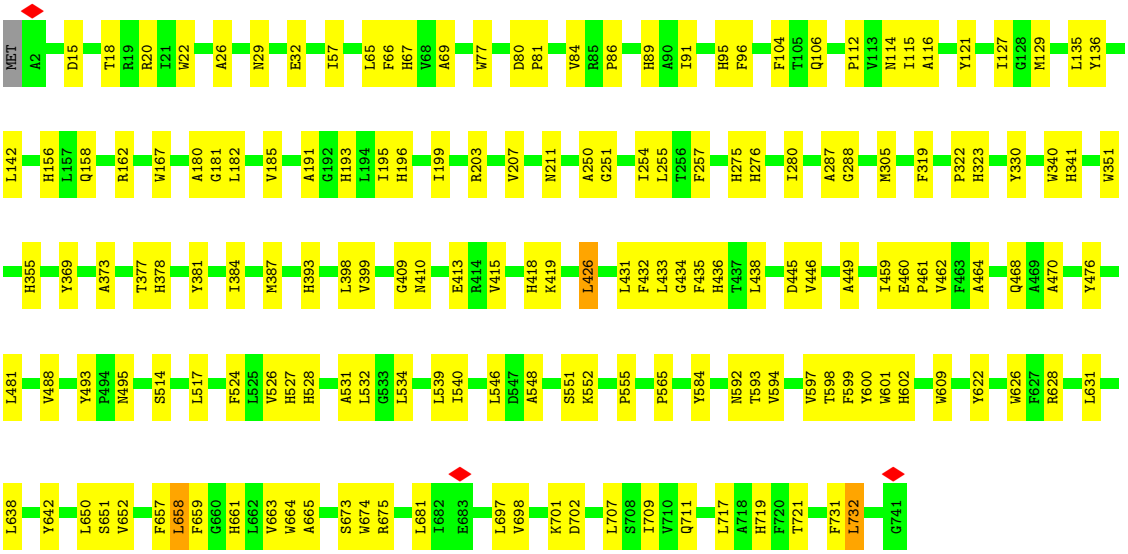
Chain n:



• Molecule 4: Photosystem I P700 chlorophyll a apoprotein A2 1

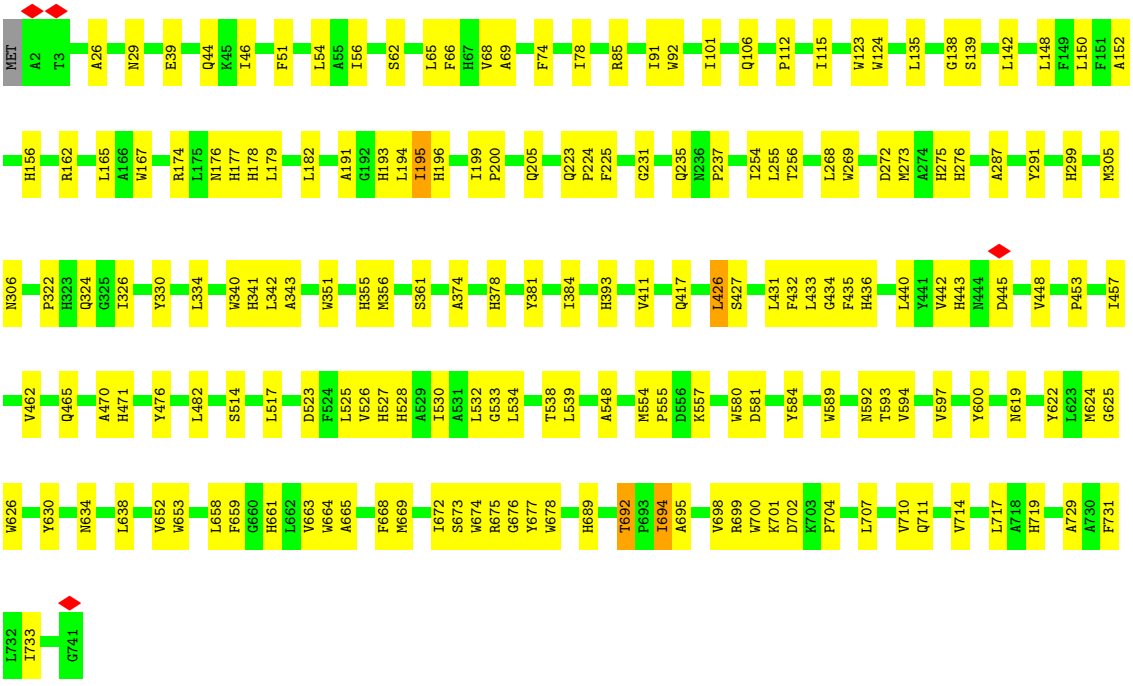
Chain B:





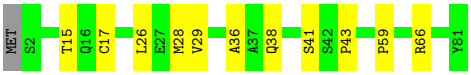
• Molecule 4: Photosystem I P700 chlorophyll a apoprotein A2 1

Chain b:



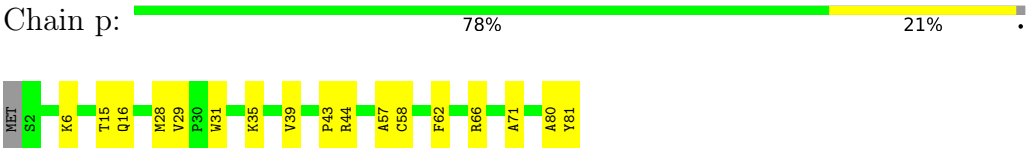
• Molecule 5: Photosystem I iron-sulfur center

Chain P:



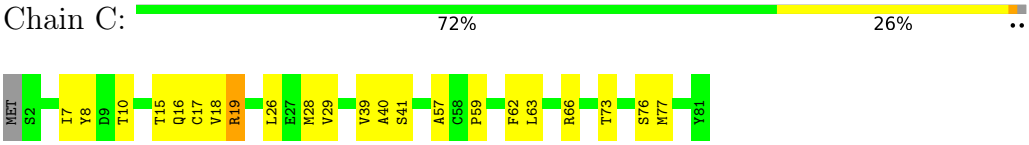
• Molecule 5: Photosystem I iron-sulfur center

Chain p:



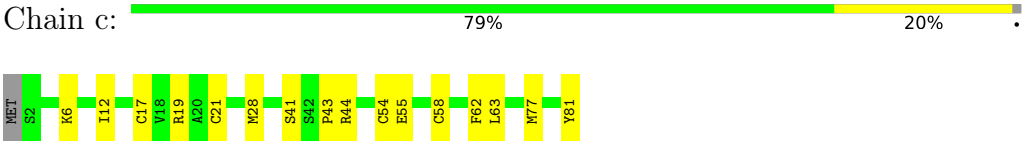
• Molecule 5: Photosystem I iron-sulfur center

Chain C:



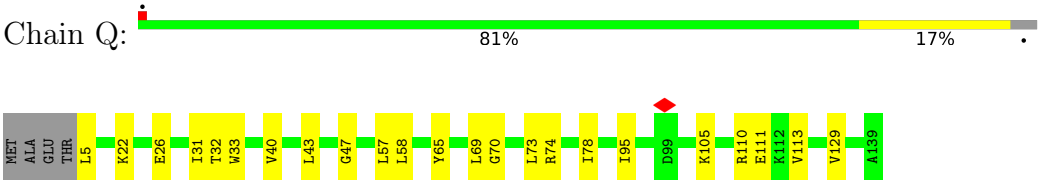
• Molecule 5: Photosystem I iron-sulfur center

Chain c:



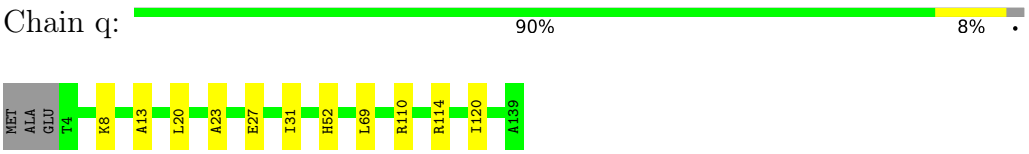
• Molecule 6: Photosystem I reaction center subunit II

Chain Q:



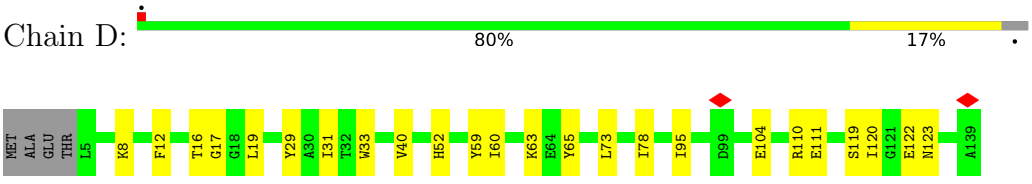
• Molecule 6: Photosystem I reaction center subunit II

Chain q:



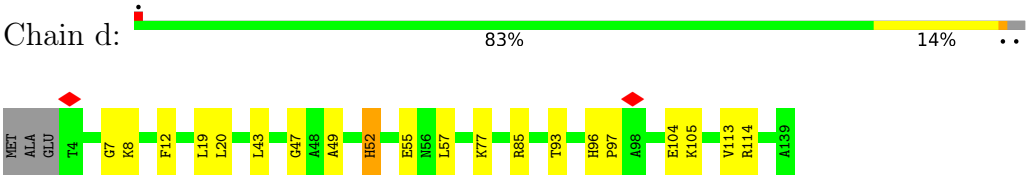
• Molecule 6: Photosystem I reaction center subunit II

Chain D:



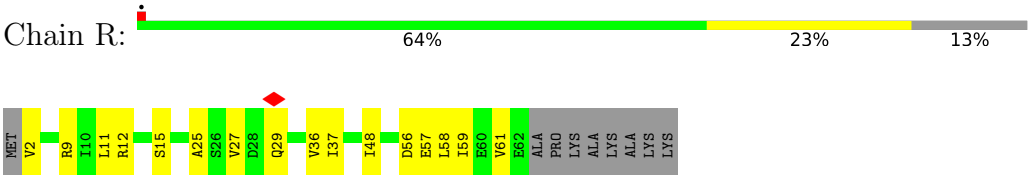
• Molecule 6: Photosystem I reaction center subunit II

Chain d:



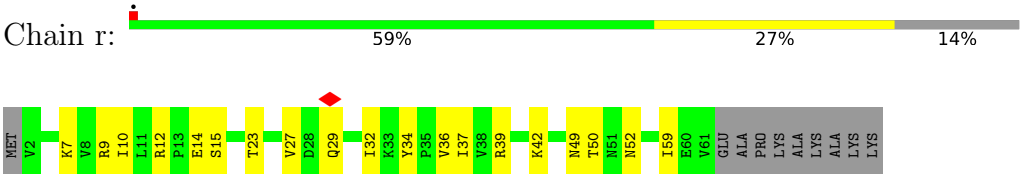
• Molecule 7: Photosystem I reaction center subunit IV

Chain R:



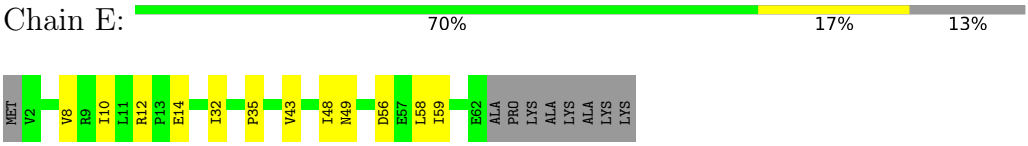
• Molecule 7: Photosystem I reaction center subunit IV

Chain r:



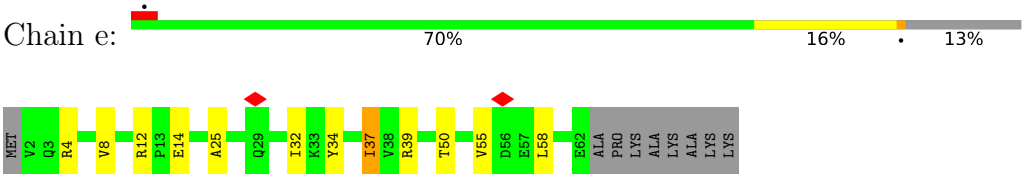
• Molecule 7: Photosystem I reaction center subunit IV

Chain E:



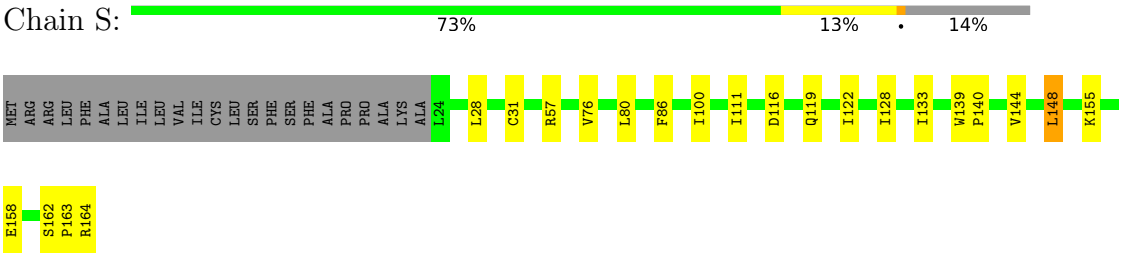
• Molecule 7: Photosystem I reaction center subunit IV

Chain e:



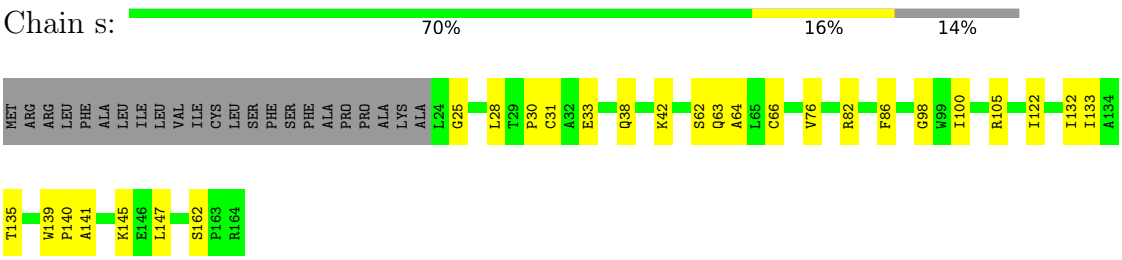
• Molecule 8: Photosystem I reaction center subunit III

Chain S:



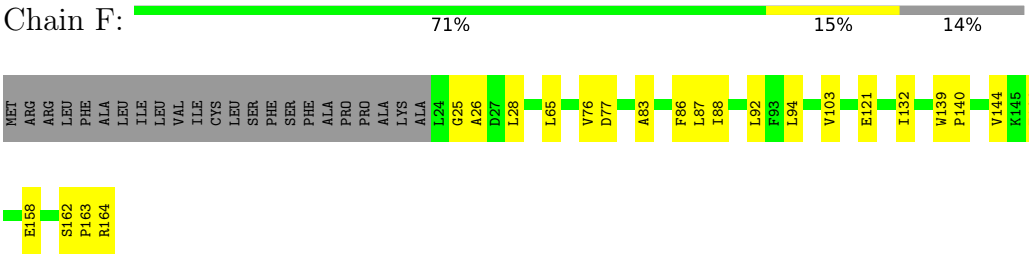
• Molecule 8: Photosystem I reaction center subunit III

Chain s:



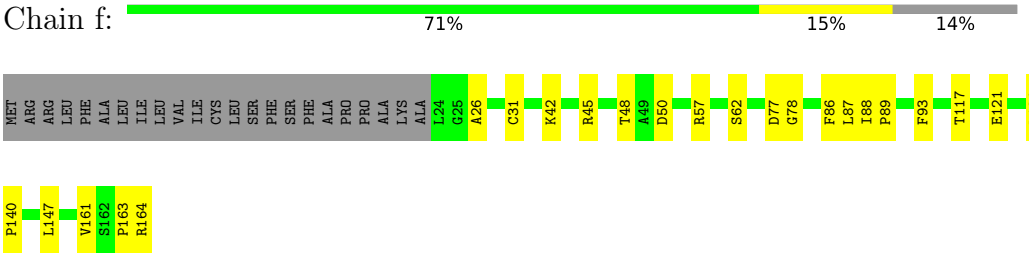
• Molecule 8: Photosystem I reaction center subunit III

Chain F:



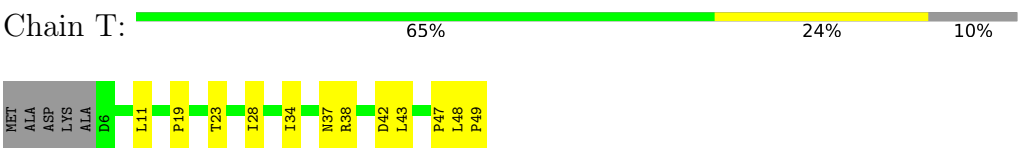
• Molecule 8: Photosystem I reaction center subunit III

Chain f:



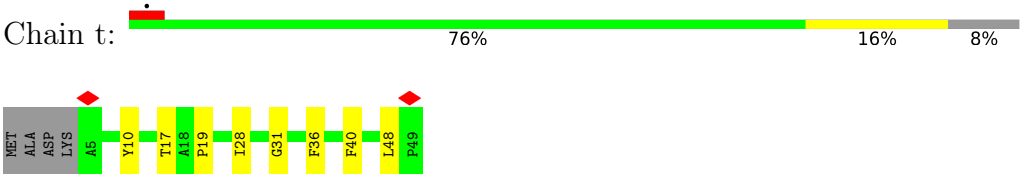
• Molecule 9: Photosystem I reaction center subunit IX

Chain T:



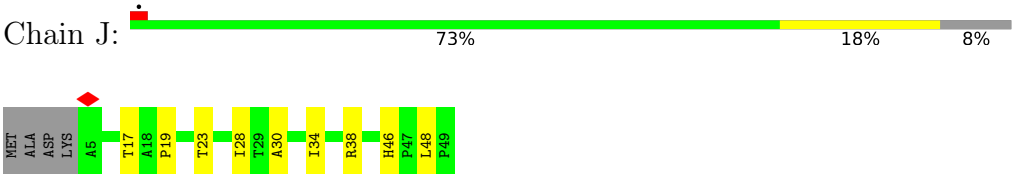
• Molecule 9: Photosystem I reaction center subunit IX

Chain t:



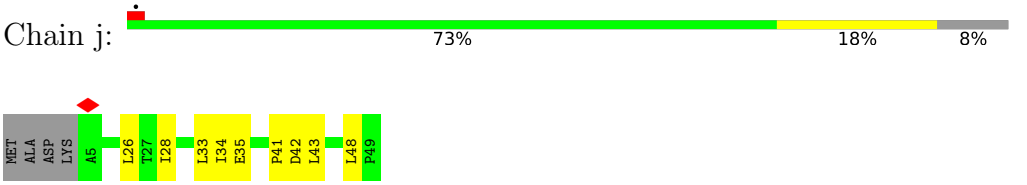
• Molecule 9: Photosystem I reaction center subunit IX

Chain J:

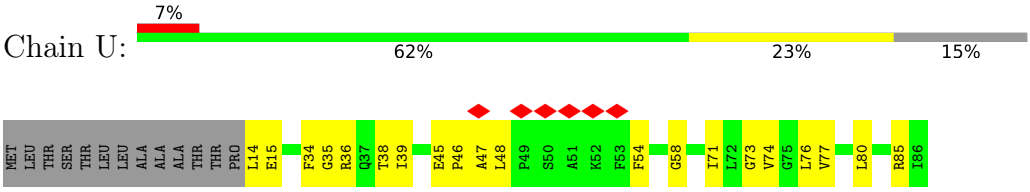


• Molecule 9: Photosystem I reaction center subunit IX

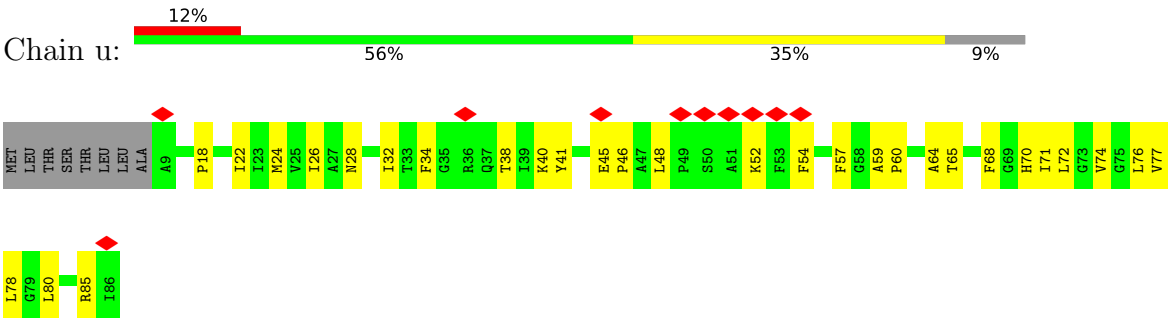
Chain j:



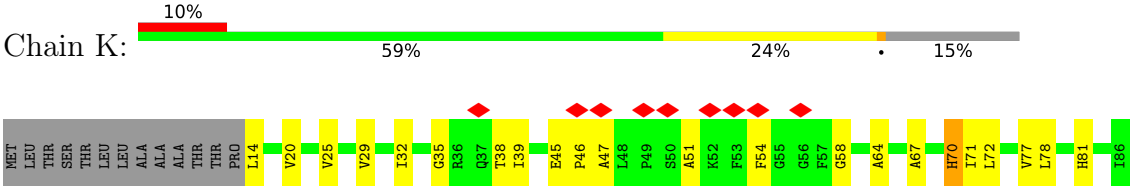
• Molecule 10: Photosystem I reaction center subunit PsaK 1



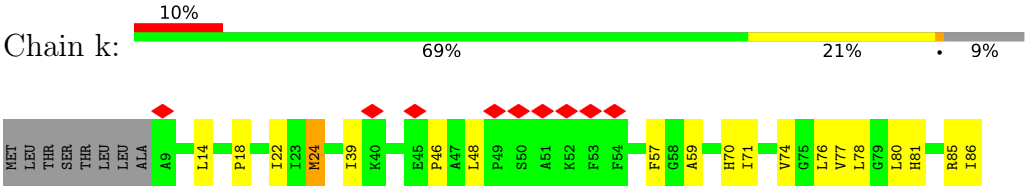
• Molecule 10: Photosystem I reaction center subunit PsaK 1



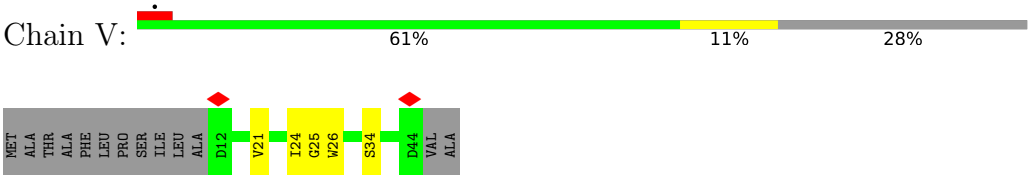
• Molecule 10: Photosystem I reaction center subunit PsaK 1



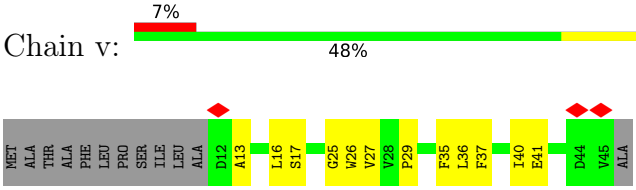
• Molecule 10: Photosystem I reaction center subunit PsaK 1



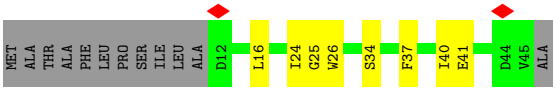
• Molecule 11: Photosystem I reaction center subunit VIII



• Molecule 11: Photosystem I reaction center subunit VIII

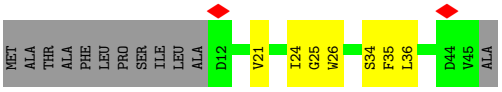


• Molecule 11: Photosystem I reaction center subunit VIII



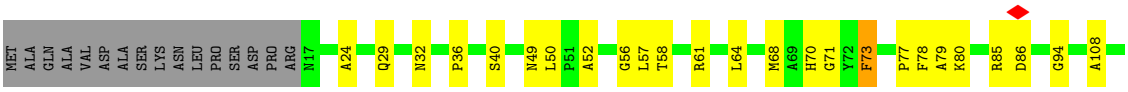
• Molecule 11: Photosystem I reaction center subunit VIII

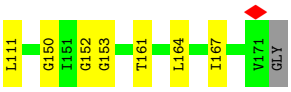
Chain i:



• Molecule 12: Photosystem I reaction center subunit XI

Chain W:



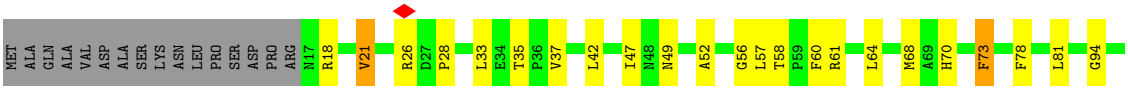


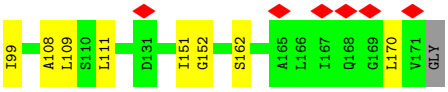
• Molecule 12: Photosystem I reaction center subunit XI

Chain w:

• Molecule 12: Photosystem I reaction center subunit XI

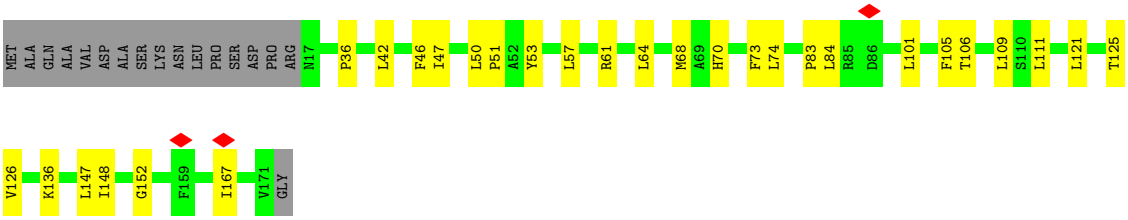
Chain L:



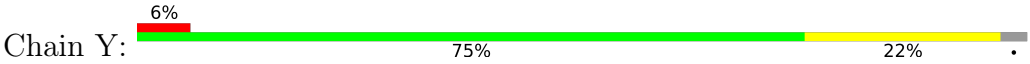


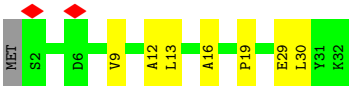
• Molecule 12: Photosystem I reaction center subunit XI

Chain l:

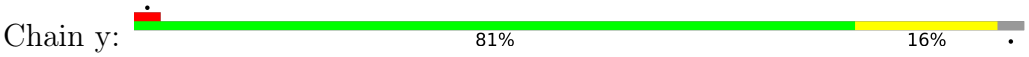


• Molecule 13: Photosystem I reaction center subunit XII



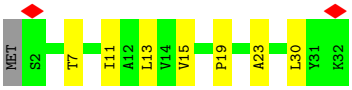


• Molecule 13: Photosystem I reaction center subunit XII



• Molecule 13: Photosystem I reaction center subunit XII

• Molecule 13: Photosystem I reaction center subunit XII



4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	120345	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	60	Depositor
Minimum defocus (nm)	1000	Depositor
Maximum defocus (nm)	2000	Depositor
Magnification	Not provided	
Image detector	GATAN K3 BIOCONTINUUM (6k x 4k)	Depositor
Maximum map value	1.126	Depositor
Minimum map value	-0.389	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.022	Depositor
Recommended contour level	0.185	Depositor
Map size (Å)	686.39996, 686.39996, 686.39996	wwPDB
Map dimensions	660, 660, 660	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.04, 1.04, 1.04	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: BCR, LHG, LMG, PQN, CL0, SF4, SQD, CLA

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	1	0.14	0/252	0.43	0/341
2	A	0.13	0/6022	0.28	0/8214
2	G	0.15	0/6013	0.31	0/8203
2	a	0.13	0/6022	0.29	0/8214
2	g	0.13	0/6022	0.29	0/8214
3	H	0.14	0/267	0.36	0/366
3	X	0.16	0/267	0.39	0/366
3	h	0.14	0/258	0.31	0/354
3	x	0.13	0/267	0.32	0/366
4	B	0.14	0/6142	0.31	0/8396
4	N	0.13	0/6137	0.29	0/8389
4	b	0.12	0/6142	0.28	0/8396
4	n	0.13	0/6130	0.28	0/8379
5	C	0.14	0/608	0.32	0/825
5	P	0.14	0/608	0.31	0/825
5	c	0.14	0/608	0.39	0/825
5	p	0.13	0/608	0.28	0/825
6	D	0.10	0/1064	0.26	0/1436
6	Q	0.15	0/1064	0.31	0/1436
6	d	0.12	0/1071	0.38	0/1446
6	q	0.10	0/1071	0.26	0/1446
7	E	0.20	0/499	0.35	0/677
7	R	0.12	0/499	0.28	0/677
7	e	0.12	0/499	0.28	0/677
7	r	0.11	0/490	0.30	0/665
8	F	0.14	0/1104	0.31	0/1500
8	S	0.12	0/1104	0.29	0/1500
8	f	0.12	0/1104	0.33	0/1500
8	s	0.12	0/1104	0.30	0/1500
9	J	0.10	0/371	0.23	0/509
9	T	0.12	0/366	0.27	0/502
9	j	0.13	0/371	0.28	0/509

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\| > 5$	RMSZ	$\#\|Z\| > 5$
9	t	0.12	0/371	0.26	0/509
10	K	0.14	0/551	0.40	0/750
10	U	0.18	0/551	0.46	0/750
10	k	0.15	0/583	0.41	0/796
10	u	0.23	0/583	0.54	0/796
11	I	0.14	0/284	0.31	0/388
11	V	0.16	0/277	0.37	0/378
11	i	0.15	0/284	0.28	0/388
11	v	0.14	0/284	0.29	0/388
12	L	0.13	0/1198	0.30	0/1642
12	W	0.12	0/1198	0.27	0/1642
12	l	0.11	0/1198	0.26	0/1642
12	w	0.14	0/1198	0.32	0/1642
13	M	0.10	0/245	0.23	0/334
13	Y	0.13	0/245	0.27	0/334
13	m	0.12	0/245	0.24	0/334
13	y	0.13	0/245	0.23	0/334
All	All	0.13	0/73694	0.30	0/100525

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1	247	0	250	11	0
2	A	5823	0	5696	188	0
2	G	5814	0	5684	176	0
2	a	5823	0	5696	180	0
2	g	5823	0	5697	180	0
3	H	257	0	261	11	0
3	X	257	0	261	5	0
3	h	248	0	253	4	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	x	257	0	261	6	0
4	B	5918	0	5671	159	0
4	N	5913	0	5666	157	0
4	b	5918	0	5671	171	0
4	n	5906	0	5659	165	0
5	C	598	0	574	16	0
5	P	598	0	574	9	0
5	c	598	0	574	12	0
5	p	598	0	574	13	0
6	D	1040	0	1043	18	0
6	Q	1040	0	1043	15	0
6	d	1047	0	1050	13	0
6	q	1047	0	1050	9	0
7	E	490	0	484	8	0
7	R	490	0	484	8	0
7	e	490	0	484	9	0
7	r	481	0	478	13	0
8	F	1080	0	1078	20	0
8	S	1080	0	1078	16	0
8	f	1080	0	1078	20	0
8	s	1080	0	1078	20	0
9	J	359	0	364	11	0
9	T	354	0	359	9	0
9	j	359	0	364	10	0
9	t	359	0	364	6	0
10	K	537	0	562	19	0
10	U	537	0	562	15	0
10	k	568	0	593	15	0
10	u	568	0	593	23	0
11	I	275	0	268	6	0
11	V	268	0	259	4	0
11	i	275	0	268	9	0
11	v	275	0	268	13	0
12	L	1163	0	1166	29	0
12	W	1163	0	1166	28	0
12	l	1163	0	1166	23	0
12	w	1163	0	1166	32	0
13	M	241	0	256	8	0
13	Y	241	0	256	7	0
13	m	241	0	256	7	0
13	y	241	0	256	4	0
14	A	2631	0	2625	202	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	B	2345	0	2344	156	0
14	F	104	0	91	1	0
14	G	2451	0	2445	197	0
14	H	49	0	39	3	0
14	J	82	0	58	3	0
14	K	41	0	29	2	0
14	L	156	0	133	8	0
14	N	2495	0	2526	179	0
14	S	104	0	91	3	0
14	T	82	0	58	2	0
14	U	90	0	68	1	0
14	W	156	0	133	17	0
14	X	49	0	39	3	0
14	a	2501	0	2483	190	0
14	b	2495	0	2528	181	0
14	f	104	0	91	7	0
14	g	2542	0	2562	182	0
14	h	49	0	39	4	0
14	j	82	0	58	6	0
14	k	41	0	29	0	0
14	l	150	0	125	11	0
14	n	2430	0	2450	177	0
14	s	104	0	91	3	0
14	t	82	0	58	2	0
14	u	90	0	68	0	0
14	w	150	0	125	11	0
14	x	49	0	39	2	0
15	A	33	0	46	5	0
15	B	33	0	46	5	0
15	G	33	0	46	10	0
15	N	33	0	46	6	0
15	a	33	0	46	4	0
15	b	33	0	46	4	0
15	g	33	0	46	4	0
15	n	33	0	46	4	0
16	A	8	0	0	0	0
16	C	16	0	0	1	0
16	G	8	0	0	0	0
16	P	16	0	0	1	0
16	a	8	0	0	0	0
16	c	16	0	0	1	0
16	g	8	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	p	16	0	0	1	0
17	A	280	0	392	45	0
17	B	320	0	448	51	0
17	F	40	0	56	1	0
17	G	240	0	336	35	0
17	I	120	0	168	21	0
17	J	40	0	56	6	0
17	K	40	0	56	3	0
17	L	40	0	56	5	0
17	M	40	0	56	4	0
17	N	320	0	448	63	0
17	S	40	0	56	4	0
17	T	80	0	112	12	0
17	U	40	0	56	2	0
17	V	40	0	56	2	0
17	W	120	0	168	18	0
17	Y	40	0	56	4	0
17	a	240	0	336	33	0
17	b	320	0	448	49	0
17	f	40	0	56	4	0
17	g	240	0	336	35	0
17	i	80	0	112	15	0
17	j	80	0	112	8	0
17	k	40	0	56	2	0
17	l	80	0	112	9	0
17	m	40	0	56	3	0
17	n	320	0	448	52	0
17	s	40	0	56	4	0
17	t	80	0	112	14	0
17	u	40	0	56	2	0
17	v	40	0	56	7	0
17	w	120	0	168	19	0
17	y	40	0	56	2	0
18	A	98	0	148	7	0
18	G	98	0	148	10	0
18	S	43	0	59	4	0
18	X	43	0	59	2	0
18	a	98	0	148	14	0
18	g	98	0	148	8	0
18	m	43	0	59	6	0
18	v	43	0	59	3	0
19	A	45	0	33	2	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
19	G	65	0	72	7	0
19	a	65	0	70	4	0
19	g	65	0	72	7	0
20	B	54	0	78	4	0
20	H	54	0	78	3	0
20	b	54	0	78	6	0
20	h	54	0	78	7	0
20	l	54	0	78	4	0
20	n	54	0	78	0	0
20	w	54	0	78	3	0
20	x	54	0	78	4	0
21	B	90	0	126	6	0
21	N	90	0	126	8	0
21	b	55	0	86	3	0
21	n	55	0	86	3	0
All	All	98661	0	99030	2867	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 14.

All (2867) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:852:CLA:CED	17:N:852:BCR:H401	1.27	1.58
14:G:852:CLA:CED	17:N:852:BCR:C40	2.02	1.37
14:G:852:CLA:HED2	17:N:852:BCR:C40	1.54	1.33
2:A:442:ASN:OD1	14:A:855:CLA:HED1	1.35	1.25
2:A:541:PHE:CZ	14:A:855:CLA:O1A	1.79	1.25
14:G:852:CLA:HED1	17:N:852:BCR:H291	1.27	1.16
14:G:852:CLA:CED	17:N:852:BCR:C29	2.26	1.14
14:G:852:CLA:HED1	17:N:852:BCR:C29	1.79	1.12
14:G:852:CLA:HMD3	4:N:540:ILE:HG12	1.30	1.10
2:a:685:MET:HG3	14:a:852:CLA:NC	1.68	1.07
14:b:820:CLA:NC	14:b:825:CLA:H141	1.72	1.04
14:A:855:CLA:HBB2	4:B:665:ALA:HB1	1.33	1.02
14:A:801:CLA:CBB	14:A:855:CLA:O1A	2.07	1.01
14:A:855:CLA:HED2	17:B:848:BCR:H401	1.40	1.01
14:G:852:CLA:CED	17:N:852:BCR:H291	1.87	1.00
14:G:852:CLA:HED1	17:N:852:BCR:C30	1.92	0.98
2:a:694:TRP:HZ3	14:a:852:CLA:O1D	1.46	0.98
14:a:852:CLA:HED3	4:b:539:LEU:CD2	1.93	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:852:CLA:CED	17:N:852:BCR:C30	2.43	0.97
2:A:442:ASN:OD1	14:A:855:CLA:CED	2.15	0.94
14:A:855:CLA:HBB2	4:B:665:ALA:CB	1.98	0.93
4:N:534:LEU:HD12	14:N:827:CLA:NC	1.83	0.93
14:G:852:CLA:HED3	17:N:852:BCR:C29	1.98	0.92
14:a:852:CLA:HED3	4:b:539:LEU:HD21	1.50	0.91
14:A:801:CLA:HBB2	14:A:855:CLA:O1A	1.68	0.91
14:G:808:CLA:HBB1	17:T:103:BCR:HC8	1.56	0.88
2:a:685:MET:HG3	14:a:852:CLA:C4C	2.03	0.88
14:g:807:CLA:HBB1	17:t:103:BCR:HC8	1.58	0.84
5:C:17:CYS:HB3	16:C:102:SF4:S4	2.18	0.83
14:G:852:CLA:HED3	17:N:852:BCR:H292	1.61	0.83
10:U:35:GLY:HA2	10:U:39:ILE:HD13	1.60	0.82
14:N:828:CLA:H152	17:N:848:BCR:H17C	1.59	0.82
14:a:807:CLA:HBB1	17:j:103:BCR:HC8	1.60	0.82
2:A:541:PHE:HZ	14:A:855:CLA:O1A	0.93	0.82
14:A:855:CLA:CBB	4:B:665:ALA:HB1	2.10	0.81
14:G:832:CLA:HBB1	14:G:833:CLA:H2	1.63	0.81
4:b:555:PRO:HB3	8:f:163:PRO:HG2	1.63	0.81
14:g:819:CLA:NB	14:g:825:CLA:H122	1.94	0.81
12:W:108:ALA:HB1	17:W:205:BCR:H19C	1.61	0.81
2:g:71:ARG:HD2	2:g:185:ALA:HB1	1.62	0.81
17:I:103:BCR:H19C	12:L:108:ALA:HB1	1.63	0.80
2:a:694:TRP:CZ3	14:a:852:CLA:O1D	2.33	0.80
10:u:45:GLU:HG3	10:u:46:PRO:HD3	1.61	0.80
4:N:255:LEU:HB3	4:N:275:HIS:HB2	1.63	0.80
14:B:820:CLA:H2A	14:B:820:CLA:HED3	1.62	0.80
14:G:852:CLA:HED1	17:N:852:BCR:C39	2.12	0.80
2:a:678:PHE:HB2	14:b:803:CLA:HBA2	1.62	0.79
4:b:719:HIS:NE2	14:b:841:CLA:NA	2.31	0.79
4:n:591:LEU:HD11	4:n:721:THR:HG22	1.65	0.79
4:b:254:ILE:HG13	4:b:255:LEU:HG	1.65	0.79
14:G:852:CLA:HED3	17:N:852:BCR:C40	2.13	0.79
14:G:852:CLA:HBB1	14:N:803:CLA:C4B	2.13	0.79
7:R:11:LEU:HD11	7:R:59:ILE:HG13	1.64	0.78
14:n:806:CLA:H162	14:n:828:CLA:HBB2	1.64	0.78
14:N:842:CLA:H193	17:V:101:BCR:H271	1.66	0.78
14:G:852:CLA:HED1	17:N:852:BCR:H391	1.65	0.77
9:T:23:THR:HG21	17:T:104:BCR:H21C	1.65	0.77
4:b:669:MET:HG3	14:b:805:CLA:NC	1.98	0.77
14:N:822:CLA:HBB1	17:N:844:BCR:H14C	1.67	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:B:652:VAL:HG22	14:B:810:CLA:HAC1	1.65	0.76
14:n:819:CLA:HBB1	14:n:824:CLA:H61	1.67	0.76
19:a:851:CL0:H15	19:a:851:CL0:H2	1.68	0.76
17:g:843:BCR:H19C	10:u:71:ILE:HD11	1.67	0.76
4:b:669:MET:HB2	14:b:805:CLA:C1C	2.15	0.76
14:A:811:CLA:HBC3	14:A:812:CLA:HAB	1.68	0.76
14:n:825:CLA:HMA1	17:n:846:BCR:H14C	1.67	0.76
17:a:843:BCR:H19C	10:k:71:ILE:HD11	1.66	0.75
13:m:13:LEU:HB3	17:m:102:BCR:H21C	1.67	0.75
14:f:202:CLA:HMB2	9:j:33:LEU:HD21	1.67	0.75
1:1:214:VAL:HG22	20:b:801:SQD:H141	1.68	0.75
14:b:821:CLA:HBB1	17:b:843:BCR:H14C	1.68	0.75
14:a:853:CLA:C1B	14:b:805:CLA:HBB1	2.15	0.74
2:a:599:MET:HG3	14:a:824:CLA:HBC1	1.70	0.74
17:B:846:BCR:H282	17:B:847:BCR:H23C	1.70	0.74
4:N:535:HIS:NE2	14:N:840:CLA:NA	2.36	0.74
2:A:320:HIS:CE1	14:A:821:CLA:NA	2.56	0.74
2:A:524:MET:HE1	2:A:628:VAL:HG11	1.70	0.73
9:J:28:ILE:HA	14:J:101:CLA:HBB2	1.70	0.73
19:g:851:CL0:H2	19:g:851:CL0:H15	1.69	0.73
8:S:100:ILE:HG12	14:S:203:CLA:ND	2.02	0.73
17:n:845:BCR:H21C	17:n:845:BCR:H361	1.68	0.73
15:G:841:PQN:H172	17:N:852:BCR:H382	1.68	0.73
14:b:826:CLA:HMA1	17:b:847:BCR:H14C	1.70	0.73
2:g:678:PHE:HB2	14:n:802:CLA:HBA2	1.71	0.73
14:G:852:CLA:HBA2	4:N:431:LEU:HD23	1.71	0.73
4:N:534:LEU:HD12	14:N:827:CLA:C1C	2.18	0.73
14:n:840:CLA:HBB1	17:n:847:BCR:H363	1.71	0.73
2:g:448:LEU:HD11	14:g:836:CLA:HMB2	1.72	0.72
14:N:816:CLA:H3A	17:N:846:BCR:H272	1.72	0.72
2:A:652:TRP:HD1	14:B:804:CLA:HBC1	1.54	0.72
14:A:821:CLA:HBD	10:K:39:ILE:HG22	1.72	0.72
2:a:584:CYS:HB2	4:b:674:TRP:HB3	1.72	0.72
14:N:851:CLA:HBB2	17:N:852:BCR:HC31	1.72	0.71
12:W:73:PHE:HZ	14:W:203:CLA:HBB1	1.55	0.71
4:N:426:LEU:HD13	4:N:539:LEU:HA	1.73	0.71
12:W:152:GLY:HA3	17:W:206:BCR:H312	1.72	0.71
2:A:373:ALA:HB1	14:A:826:CLA:HMC2	1.70	0.71
2:a:63:THR:HG21	2:a:68:ASP:HB3	1.73	0.71
14:b:807:CLA:H162	14:b:829:CLA:HBB2	1.72	0.71
10:k:86:ILE:H	10:k:86:ILE:HD12	1.55	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:N:812:CLA:HAB	11:V:25:GLY:HA3	1.71	0.71
14:N:807:CLA:NC	14:N:831:CLA:HMB3	2.05	0.71
2:g:204:VAL:HB	14:g:811:CLA:HAB	1.72	0.70
4:n:460:GLU:HG3	8:s:28:LEU:HD11	1.73	0.70
4:n:661:HIS:NE2	14:n:803:CLA:NB	2.39	0.70
14:N:834:CLA:H51	17:N:852:BCR:H312	1.73	0.70
13:Y:13:LEU:HB3	17:Y:101:BCR:H21C	1.73	0.70
4:n:707:LEU:HB3	4:n:711:GLN:HG2	1.74	0.70
2:A:320:HIS:HE1	14:A:821:CLA:NA	1.89	0.70
14:B:827:CLA:H152	17:B:846:BCR:H373	1.73	0.70
4:b:707:LEU:HD22	4:b:711:GLN:HE22	1.57	0.70
2:g:596:LEU:HD21	14:g:828:CLA:HBC1	1.73	0.70
4:b:669:MET:HG3	14:b:805:CLA:C4C	2.21	0.70
4:N:25:MET:HE1	15:N:843:PQN:H291	1.72	0.69
14:n:831:CLA:H61	8:s:147:LEU:HD12	1.74	0.69
14:n:837:CLA:H203	17:s:203:BCR:H272	1.75	0.69
2:A:678:PHE:HB2	14:B:803:CLA:HBA2	1.72	0.69
4:N:707:LEU:HB3	4:N:711:GLN:HG2	1.74	0.69
14:B:808:CLA:H62	17:I:101:BCR:HC32	1.74	0.69
4:n:696:ASN:HB3	12:w:121:LEU:HB2	1.75	0.69
2:a:267:LEU:HD13	10:k:77:VAL:HG21	1.74	0.69
4:b:176:ASN:HD21	4:b:291:TYR:HB2	1.57	0.69
14:G:827:CLA:H142	14:G:827:CLA:H72	1.75	0.69
4:N:656:MET:HG2	4:N:730:ALA:HB2	1.74	0.69
14:A:805:CLA:H151	14:A:828:CLA:HBB2	1.74	0.68
4:N:669:MET:HB2	14:N:805:CLA:C1C	2.23	0.68
14:g:854:CLA:H152	12:w:108:ALA:HB2	1.75	0.68
14:A:853:CLA:HBB1	14:B:803:CLA:C4B	2.22	0.68
2:g:352:GLN:HG3	14:g:823:CLA:H152	1.76	0.68
18:S:202:LHG:HC5	18:S:202:LHG:H261	1.74	0.68
2:a:586:VAL:HG22	4:b:676:GLY:HA3	1.74	0.68
2:A:685:MET:HB2	14:A:853:CLA:C1C	2.23	0.68
4:n:69:ALA:HB2	4:n:135:LEU:HB2	1.76	0.68
4:N:254:ILE:HG13	4:N:255:LEU:HD12	1.76	0.68
10:U:47:ALA:HA	10:U:58:GLY:HA2	1.76	0.68
2:A:370:HIS:NE2	14:A:826:CLA:NB	2.42	0.68
2:g:45:THR:HG22	2:g:715:GLN:HB2	1.76	0.68
2:a:197:MET:HB2	14:a:811:CLA:HBC2	1.75	0.68
14:N:808:CLA:H41	21:N:850:LMG:H321	1.76	0.67
8:F:92:LEU:HG	14:J:102:CLA:HAB	1.75	0.67
2:G:91:MET:HE1	14:G:807:CLA:H2A	1.76	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:W:153:GLY:HA2	17:W:206:BCR:H10C	1.75	0.67
14:n:814:CLA:H3A	17:n:844:BCR:H272	1.76	0.67
14:B:811:CLA:HAB	11:I:25:GLY:HA3	1.76	0.67
15:A:842:PQN:H111	17:B:851:BCR:H393	1.76	0.67
14:a:852:CLA:CED	4:b:539:LEU:CD2	2.72	0.67
4:N:142:LEU:HG	17:N:846:BCR:H382	1.77	0.67
2:G:69:ILE:O	2:G:73:ILE:HG12	1.94	0.67
2:a:448:LEU:HB3	2:a:541:PHE:HB2	1.77	0.67
19:g:851:CL0:H29	19:g:851:CL0:H40	1.77	0.67
10:k:80:LEU:HB3	10:k:85:ARG:HB2	1.77	0.67
4:n:40:GLU:HG3	4:n:165:LEU:HB2	1.76	0.67
14:N:823:CLA:HBA2	17:N:844:BCR:H282	1.75	0.67
14:b:809:CLA:H121	14:b:809:CLA:H2	1.77	0.67
4:B:91:ILE:HB	4:B:112:PRO:HB2	1.77	0.66
14:B:815:CLA:H3A	17:B:845:BCR:H272	1.76	0.66
14:N:828:CLA:H151	17:N:847:BCR:H373	1.77	0.66
4:n:305:MET:HG3	4:n:327:TYR:HB2	1.75	0.66
2:G:217:LEU:HA	2:G:221:SER:HB2	1.77	0.66
2:A:366:ILE:HD12	14:A:825:CLA:HED2	1.77	0.66
14:b:802:CLA:H172	14:b:840:CLA:H171	1.76	0.66
12:W:49:ASN:HB3	14:W:202:CLA:HAC1	1.77	0.66
2:g:320:HIS:HE1	14:g:820:CLA:NA	1.94	0.66
9:J:19:PRO:O	9:J:23:THR:HG23	1.96	0.66
2:G:121:ILE:HD12	17:T:104:BCR:H313	1.78	0.66
2:a:491:HIS:NE2	14:a:833:CLA:NA	2.43	0.66
4:b:448:VAL:HG23	4:b:453:PRO:HB3	1.76	0.66
4:b:699:ARG:HD3	12:l:121:LEU:HD21	1.77	0.66
10:K:25:VAL:O	10:K:29:VAL:HG23	1.96	0.66
4:b:195:ILE:HA	4:b:199:ILE:HD12	1.78	0.66
15:B:842:PQN:H301	17:I:103:BCR:H321	1.78	0.66
6:d:96:HIS:HB3	6:d:97:PRO:HD3	1.77	0.66
14:G:812:CLA:HHC	14:G:812:CLA:HBB1	1.77	0.66
14:A:831:CLA:HBC2	14:A:838:CLA:HMC2	1.78	0.66
4:N:460:GLU:HG3	8:S:28:LEU:HD11	1.78	0.65
2:A:549:ILE:HG12	14:A:855:CLA:HMD3	1.78	0.65
17:A:849:BCR:H362	14:B:803:CLA:H51	1.77	0.65
2:a:374:MET:HE2	14:a:825:CLA:HMC2	1.78	0.65
17:W:201:BCR:C10	14:W:203:CLA:HAB	2.26	0.65
2:a:452:SER:HB2	2:a:538:ILE:HG12	1.78	0.65
14:a:839:CLA:HBB2	17:a:848:BCR:H19C	1.78	0.65
4:N:719:HIS:NE2	14:N:842:CLA:NA	2.45	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:B:181:GLY:HA3	14:B:814:CLA:HBB1	1.78	0.65
2:G:596:LEU:HD21	14:G:829:CLA:HBC1	1.78	0.65
2:A:67:GLU:HB2	2:A:188:LEU:HB2	1.76	0.65
2:A:205:LEU:HD11	14:A:812:CLA:H42	1.77	0.65
14:N:803:CLA:HMA1	14:N:804:CLA:H171	1.78	0.65
4:n:176:ASN:HD21	4:n:291:TYR:HB2	1.60	0.65
14:b:832:CLA:HBC2	14:b:839:CLA:HMC2	1.76	0.65
14:n:832:CLA:HBB2	17:n:849:BCR:HC31	1.79	0.65
2:A:598:TRP:CH2	14:A:801:CLA:HAB	2.32	0.65
2:A:598:TRP:HE1	14:A:855:CLA:C1D	2.08	0.65
14:B:826:CLA:HMA1	17:B:847:BCR:H14C	1.79	0.65
12:l:152:GLY:HA3	17:l:206:BCR:H312	1.79	0.65
2:a:483:PHE:HB3	14:a:835:CLA:H2	1.78	0.65
4:b:231:GLY:HA2	14:b:817:CLA:HAA2	1.79	0.65
14:b:803:CLA:HMA3	14:b:804:CLA:H71	1.79	0.65
2:A:399:GLY:HA3	2:A:603:LEU:HD11	1.79	0.65
4:b:694:ILE:HD12	14:l:203:CLA:H42	1.79	0.65
2:A:564:PRO:HG3	6:D:65:TYR:HD1	1.62	0.65
2:g:506:VAL:HG21	14:g:825:CLA:HAB	1.78	0.64
14:G:852:CLA:HBB1	14:N:803:CLA:CHC	2.27	0.64
2:g:320:HIS:CE1	14:g:820:CLA:NA	2.64	0.64
10:u:76:LEU:O	10:u:80:LEU:HD12	1.98	0.64
2:A:584:CYS:HB2	4:B:674:TRP:HB3	1.79	0.64
2:a:458:HIS:CE1	14:a:832:CLA:NA	2.66	0.64
2:G:121:ILE:HG12	2:G:122:VAL:HG23	1.80	0.64
14:a:830:CLA:HBC2	14:a:837:CLA:HMC2	1.78	0.64
14:g:824:CLA:H52	18:g:850:LHG:H201	1.79	0.64
4:n:526:VAL:HG11	4:n:600:TYR:HB2	1.79	0.64
2:A:448:LEU:HB3	2:A:541:PHE:HB2	1.78	0.64
4:B:319:PHE:HB2	14:B:824:CLA:HMA1	1.79	0.64
2:a:685:MET:HB2	14:a:852:CLA:C1C	2.28	0.64
10:u:28:ASN:O	10:u:32:ILE:HD12	1.98	0.64
14:a:837:CLA:H203	17:a:846:BCR:H312	1.78	0.64
10:k:76:LEU:O	10:k:80:LEU:HD12	1.97	0.64
2:G:462:MET:HE1	2:G:467:ARG:HH21	1.63	0.64
17:A:849:BCR:H23C	14:A:853:CLA:H111	1.80	0.64
5:c:17:CYS:HB3	16:c:102:SF4:S4	2.37	0.64
14:B:807:CLA:HED1	14:B:830:CLA:H2	1.79	0.63
14:b:820:CLA:C4C	14:b:825:CLA:H141	2.28	0.63
4:N:652:VAL:HG22	14:N:811:CLA:HAC1	1.80	0.63
4:n:683:GLU:HG2	5:p:81:TYR:HE1	1.63	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1:214:VAL:HG13	20:b:801:SQD:H152	1.79	0.63
20:h:1702:SQD:H383	14:n:825:CLA:H141	1.80	0.63
14:A:855:CLA:HED2	17:B:848:BCR:C40	2.21	0.63
4:b:355:HIS:CE1	14:b:827:CLA:NB	2.67	0.63
4:N:26:ALA:HA	14:N:831:CLA:H43	1.81	0.63
2:g:734:LEU:HD11	17:g:848:BCR:HC8	1.80	0.63
14:A:806:CLA:H2	14:A:808:CLA:H2	1.80	0.63
14:A:827:CLA:H203	17:J:103:BCR:H12C	1.80	0.63
2:g:28:LYS:HB2	14:g:809:CLA:HAA2	1.81	0.63
2:A:204:VAL:O	2:A:208:CYS:HB2	1.99	0.63
11:I:40:ILE:HG13	11:I:41:GLU:HG2	1.80	0.63
2:a:204:VAL:HB	14:a:811:CLA:HAB	1.79	0.63
2:a:355:THR:HG22	17:a:846:BCR:HC7	1.78	0.63
14:a:830:CLA:H2	14:l:203:CLA:H43	1.81	0.63
14:b:853:CLA:HMA2	13:m:30:LEU:HD22	1.80	0.63
10:u:72:LEU:O	10:u:76:LEU:HD12	1.99	0.63
2:A:374:MET:HE1	14:A:826:CLA:HHC	1.81	0.63
14:B:850:CLA:HBB1	14:B:850:CLA:HHC	1.80	0.63
10:U:14:LEU:HD11	10:U:77:VAL:HG22	1.80	0.63
14:g:838:CLA:HBC2	17:n:849:BCR:H21C	1.80	0.63
2:A:596:LEU:HD21	14:A:829:CLA:HBC1	1.80	0.63
14:N:832:CLA:HAB	14:N:840:CLA:HBB2	1.80	0.62
14:A:804:CLA:HBA1	14:A:812:CLA:HBA1	1.81	0.62
2:A:53:HIS:HE1	14:A:802:CLA:ND	1.98	0.62
10:k:46:PRO:HB2	10:k:59:ALA:HB3	1.82	0.62
2:G:652:TRP:HD1	14:N:804:CLA:HBC1	1.63	0.62
14:B:827:CLA:H13	17:B:847:BCR:H351	1.80	0.62
14:G:817:CLA:HBC1	14:G:820:CLA:H161	1.81	0.62
14:G:852:CLA:HBB1	14:N:803:CLA:C1C	2.30	0.62
5:C:62:PHE:HD2	6:D:120:ILE:HB	1.63	0.62
14:a:804:CLA:H151	14:a:827:CLA:HBB2	1.81	0.62
14:n:824:CLA:H71	14:n:826:CLA:H42	1.82	0.62
2:A:284:PRO:HA	2:A:515:LEU:HD21	1.82	0.62
4:B:254:ILE:HG13	4:B:255:LEU:HD12	1.82	0.62
4:b:237:PRO:HB3	4:b:256:THR:HG21	1.81	0.62
14:G:806:CLA:H2	14:G:808:CLA:H2	1.81	0.62
11:v:27:VAL:HG13	20:w:202:SQD:H322	1.80	0.62
13:y:13:LEU:HB3	17:y:101:BCR:H21C	1.81	0.62
2:A:414:VAL:HG21	2:A:571:PHE:HB2	1.80	0.62
13:M:13:LEU:HB3	17:M:101:BCR:H21C	1.82	0.62
2:a:413:MET:HA	2:a:413:MET:HE3	1.82	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:w:152:GLY:HA3	17:w:207:BCR:H312	1.82	0.62
3:X:15:LYS:HE2	3:X:15:LYS:N	2.14	0.62
2:G:53:HIS:HE1	14:G:802:CLA:ND	1.99	0.61
2:G:399:GLY:HA3	2:G:603:LEU:HD11	1.82	0.61
14:G:852:CLA:HBB1	14:N:803:CLA:NC	2.15	0.61
7:r:7:LYS:HE3	7:r:23:THR:HG22	1.82	0.61
2:A:217:LEU:HA	2:A:221:SER:HB3	1.81	0.61
4:b:342:LEU:HD21	14:b:830:CLA:HAB	1.81	0.61
17:G:843:BCR:H291	10:U:39:ILE:HD11	1.81	0.61
2:A:18:ASP:HB2	2:A:71:ARG:HH12	1.65	0.61
14:B:840:CLA:HBB2	15:B:842:PQN:H141	1.82	0.61
4:b:174:ARG:HB2	14:b:814:CLA:HBC2	1.81	0.61
12:l:57:LEU:HD22	12:l:61:ARG:HG2	1.80	0.61
4:b:123:TRP:HH2	14:b:829:CLA:H2	1.66	0.61
2:G:491:HIS:NE2	14:G:834:CLA:NA	2.48	0.61
14:G:852:CLA:CBB	14:N:803:CLA:NC	2.63	0.61
4:B:322:PRO:HB2	4:B:410:ASN:HA	1.82	0.61
8:F:103:VAL:HG13	8:F:132:ILE:HG22	1.81	0.61
17:a:848:BCR:H362	14:b:803:CLA:H51	1.83	0.61
11:i:36:LEU:HD11	18:m:101:LHG:H302	1.83	0.61
2:G:267:LEU:HD13	10:U:77:VAL:HG11	1.82	0.61
14:g:816:CLA:H111	14:g:834:CLA:HBA1	1.83	0.61
2:a:708:LEU:HD21	14:b:832:CLA:H3A	1.81	0.61
2:G:457:ILE:HG22	14:G:833:CLA:HBC2	1.81	0.61
14:G:807:CLA:HBB2	14:G:827:CLA:H193	1.81	0.61
14:A:855:CLA:HBC3	4:B:673:SER:HB3	1.83	0.61
2:a:399:GLY:HA3	2:a:603:LEU:HD11	1.81	0.61
19:g:851:CL0:H21	14:n:803:CLA:HBC3	1.82	0.61
5:c:41:SER:HB2	6:d:113:VAL:H	1.66	0.61
4:N:355:HIS:CE1	14:N:828:CLA:NB	2.69	0.61
2:A:228:MET:HE2	2:A:234:VAL:HG23	1.83	0.61
4:B:180:ALA:HB2	4:B:288:GLY:HA3	1.82	0.61
12:L:152:GLY:HA2	17:L:1504:BCR:HC42	1.82	0.61
14:b:815:CLA:H3A	17:b:845:BCR:H272	1.82	0.60
2:A:156:SER:HA	2:A:159:LEU:HD12	1.81	0.60
14:B:820:CLA:H152	14:B:825:CLA:H202	1.83	0.60
5:c:28:MET:HA	5:c:28:MET:HE3	1.83	0.60
14:n:852:CLA:H52	18:v:102:LHG:H262	1.83	0.60
2:a:28:LYS:HB2	14:a:809:CLA:HAA2	1.82	0.60
2:G:448:LEU:HB3	2:G:541:PHE:HB2	1.83	0.60
17:G:848:BCR:H362	14:N:803:CLA:H51	1.82	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:g:685:MET:HG3	14:g:852:CLA:NC	2.16	0.60
2:g:204:VAL:HA	2:g:208:CYS:HB2	1.84	0.60
4:B:701:LYS:HG3	14:B:840:CLA:HED2	1.82	0.60
14:a:810:CLA:HBB2	14:a:818:CLA:H62	1.81	0.60
8:f:78:GLY:HA2	8:f:87:LEU:HD11	1.82	0.60
14:G:805:CLA:HMA2	14:G:805:CLA:H2	1.83	0.60
4:N:399:VAL:HG23	4:N:548:ALA:HB1	1.83	0.60
2:g:374:MET:HE2	14:g:825:CLA:HMC2	1.83	0.60
14:a:828:CLA:H42	18:a:849:LHG:H251	1.84	0.60
7:e:32:ILE:HG22	7:e:34:TYR:H	1.66	0.60
2:G:661:SER:HB2	2:G:666:LEU:HB2	1.84	0.60
14:G:816:CLA:CHD	14:G:817:CLA:HBB2	2.32	0.60
14:N:818:CLA:CHD	14:N:819:CLA:HBB2	2.31	0.60
20:h:1702:SQD:H351	17:n:845:BCR:H333	1.84	0.60
4:b:65:LEU:HD11	17:b:845:BCR:H281	1.84	0.60
4:b:729:ALA:HB2	14:b:828:CLA:HBB1	1.82	0.60
14:B:850:CLA:HBB2	17:B:851:BCR:HC31	1.83	0.60
14:n:818:CLA:H8	14:n:818:CLA:HAB	1.82	0.60
2:A:367:ILE:HD12	14:A:828:CLA:HAC2	1.83	0.60
15:g:841:PQN:H111	17:n:849:BCR:H393	1.83	0.60
14:A:854:CLA:H71	14:B:850:CLA:H11	1.84	0.60
4:B:373:ALA:HB1	4:B:732:LEU:HD11	1.84	0.60
2:a:719:LEU:HB3	2:a:723:GLN:HG2	1.84	0.60
14:a:805:CLA:H2	14:a:807:CLA:H52	1.84	0.60
14:b:805:CLA:HBC2	14:b:805:CLA:HHD	1.82	0.60
4:N:528:HIS:CD2	17:N:853:BCR:HC21	2.37	0.59
4:n:528:HIS:CD2	17:n:851:BCR:HC21	2.36	0.59
2:A:53:HIS:NE2	14:A:802:CLA:NB	2.49	0.59
3:x:27:LEU:O	3:x:31:VAL:HG23	2.02	0.59
4:b:351:TRP:HE1	4:b:355:HIS:CE1	2.19	0.59
8:F:155:LYS:HB2	8:F:158:GLU:HG3	1.83	0.59
1:1:208:GLY:O	1:1:212:LEU:HD22	2.02	0.59
2:g:408:HIS:HE1	14:g:828:CLA:NA	2.00	0.59
4:b:51:PHE:CZ	14:b:812:CLA:HBB1	2.38	0.59
2:A:537:HIS:HE1	14:A:837:CLA:ND	2.01	0.59
4:B:69:ALA:HB2	4:B:135:LEU:HB2	1.83	0.59
14:B:810:CLA:H111	14:B:828:CLA:H18	1.85	0.59
7:E:10:ILE:HG22	7:E:12:ARG:H	1.67	0.59
4:b:29:ASN:HD21	14:b:853:CLA:C1C	2.15	0.59
2:g:121:ILE:HB	17:t:104:BCR:H322	1.83	0.59
2:G:77:HIS:NE2	14:G:804:CLA:ND	2.50	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:h:21:ARG:HB3	20:h:1702:SQD:H45	1.85	0.59
4:n:638:LEU:HD22	4:n:731:PHE:HA	1.84	0.59
12:L:35:THR:HG22	12:L:37:VAL:H	1.67	0.59
2:g:63:THR:HG21	2:g:68:ASP:HB3	1.84	0.59
2:A:289:LEU:HD21	2:A:374:MET:HB3	1.84	0.59
2:a:53:HIS:HE1	14:a:801:CLA:ND	2.00	0.59
14:g:832:CLA:HBB1	17:v:101:BCR:H282	1.85	0.59
4:N:156:HIS:CE1	14:N:813:CLA:NA	2.71	0.59
14:g:819:CLA:C1B	14:g:825:CLA:H122	2.32	0.59
7:R:27:VAL:HG23	7:R:36:VAL:HG22	1.85	0.59
20:h:1702:SQD:H332	17:n:845:BCR:H333	1.85	0.59
14:A:802:CLA:H43	14:A:839:CLA:H102	1.83	0.59
8:F:28:LEU:HD22	8:F:65:LEU:HB3	1.85	0.59
14:G:805:CLA:H151	14:G:828:CLA:HBB2	1.85	0.58
10:u:22:ILE:O	10:u:26:ILE:HD12	2.03	0.58
18:X:1702:LHG:H322	14:B:831:CLA:H43	1.84	0.58
4:N:321:MET:HA	4:N:321:MET:HE3	1.83	0.58
14:N:832:CLA:H3A	14:N:833:CLA:OBD	2.03	0.58
12:W:68:MET:HE3	17:W:206:BCR:H311	1.84	0.58
14:B:824:CLA:H93	14:B:825:CLA:H162	1.83	0.58
2:a:685:MET:HB2	14:a:852:CLA:CHC	2.33	0.58
4:b:85:ARG:HB3	4:b:115:ILE:HD12	1.84	0.58
14:b:807:CLA:HED1	14:b:830:CLA:H2	1.85	0.58
2:G:438:ILE:HG13	2:G:556:PHE:HE2	1.68	0.58
14:G:801:CLA:HBA2	14:G:801:CLA:HED3	1.85	0.58
14:a:833:CLA:H2	17:a:847:BCR:H383	1.86	0.58
12:l:50:LEU:HG	12:l:51:PRO:HD2	1.85	0.58
14:N:832:CLA:H43	18:S:202:LHG:H321	1.85	0.58
2:g:408:HIS:CE1	14:g:828:CLA:NA	2.71	0.58
4:n:355:HIS:NE2	14:n:826:CLA:NC	2.51	0.58
6:q:31:ILE:HG21	6:q:69:LEU:HD23	1.85	0.58
17:B:851:BCR:H23C	17:B:851:BCR:H383	1.86	0.58
2:a:688:PHE:HB2	14:a:852:CLA:HBC2	1.85	0.58
4:b:433:LEU:HD11	14:b:838:CLA:HMB2	1.86	0.58
4:b:527:HIS:HE1	14:b:837:CLA:ND	2.01	0.58
2:A:267:LEU:HD13	10:K:77:VAL:HG11	1.84	0.58
2:a:53:HIS:NE2	14:a:801:CLA:NB	2.51	0.58
2:a:598:TRP:CH2	14:a:853:CLA:HAB	2.39	0.58
14:G:831:CLA:H52	14:W:203:CLA:H43	1.86	0.58
2:g:388:LEU:HD23	2:g:748:ILE:HG21	1.85	0.58
17:g:848:BCR:H362	14:n:802:CLA:H51	1.84	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:A:393:HIS:O	2:A:397:ILE:HD12	2.04	0.58
14:B:824:CLA:H42	17:B:846:BCR:H10C	1.85	0.58
6:D:73:LEU:HD22	6:D:78:ILE:HD12	1.84	0.58
2:a:738:ALA:HB2	17:a:848:BCR:H322	1.86	0.58
4:b:106:GLN:HG3	4:b:115:ILE:HD11	1.85	0.58
2:A:564:PRO:HG3	6:D:65:TYR:CD1	2.38	0.58
9:J:30:ALA:O	9:J:34:ILE:HG13	2.03	0.58
2:a:734:LEU:HD11	17:a:848:BCR:HC8	1.85	0.58
2:g:333:PHE:HE2	12:w:36:PRO:HG3	1.69	0.58
4:n:694:ILE:HD12	14:w:204:CLA:H42	1.86	0.58
2:a:675:GLY:HA2	17:a:848:BCR:H17C	1.85	0.58
14:a:815:CLA:CHD	14:a:816:CLA:HBB2	2.34	0.58
9:j:28:ILE:HG12	14:j:101:CLA:HBB2	1.86	0.58
2:G:142:SER:HA	14:G:827:CLA:HMA2	1.86	0.58
2:a:320:HIS:NE2	14:a:820:CLA:ND	2.51	0.58
4:b:445:ASP:OD1	4:b:622:TYR:HB2	2.04	0.58
14:n:806:CLA:HED1	14:n:829:CLA:H2	1.86	0.58
7:r:12:ARG:HD2	7:r:15:SER:HB2	1.86	0.58
4:B:719:HIS:NE2	14:B:841:CLA:NA	2.52	0.58
17:L:1504:BCR:H321	12:l:148:ILE:HD12	1.86	0.58
14:b:803:CLA:HMB2	14:b:804:CLA:H191	1.86	0.58
2:G:142:SER:HB3	14:G:827:CLA:HAA2	1.86	0.57
14:N:827:CLA:HAA2	14:N:828:CLA:OBD	2.04	0.57
4:n:321:MET:HE3	14:n:823:CLA:HAB	1.86	0.57
2:A:420:VAL:HG22	6:D:40:VAL:HB	1.86	0.57
4:B:15:ASP:HB3	4:B:20:ARG:HB2	1.85	0.57
14:B:807:CLA:H161	14:B:829:CLA:HBB2	1.85	0.57
5:C:19:ARG:HD3	6:D:104:GLU:HG2	1.86	0.57
2:G:397:ILE:HD12	14:G:805:CLA:H143	1.86	0.57
2:g:684:LEU:HB2	14:g:852:CLA:HMC2	1.87	0.57
14:g:815:CLA:CHD	14:g:816:CLA:HBB2	2.33	0.57
11:i:24:ILE:HD12	17:i:101:BCR:H333	1.86	0.57
2:G:708:LEU:HD21	14:N:833:CLA:H3A	1.85	0.57
4:B:470:ALA:HB1	4:B:481:LEU:HD12	1.86	0.57
12:L:170:LEU:HD22	12:l:84:LEU:HD13	1.86	0.57
4:b:46:ILE:HD11	14:b:806:CLA:HMC2	1.86	0.57
14:G:852:CLA:CMD	4:N:540:ILE:HG12	2.21	0.57
2:g:448:LEU:HB3	2:g:541:PHE:HB2	1.84	0.57
5:C:7:ILE:HD13	5:C:41:SER:HA	1.86	0.57
14:a:801:CLA:H2	14:a:801:CLA:HED2	1.85	0.57
14:H:1701:CLA:HBC3	14:N:840:CLA:HBC2	1.86	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:g:75:ALA:HB2	2:g:181:TYR:HB2	1.86	0.57
5:p:29:VAL:HG12	6:q:110:ARG:HB3	1.87	0.57
6:D:8:LYS:HB2	6:D:52:HIS:CD2	2.39	0.57
2:a:458:HIS:HE1	14:a:832:CLA:C1A	2.17	0.57
18:a:850:LHG:HC82	18:a:850:LHG:H252	1.86	0.57
2:g:441:LEU:HG	2:g:548:LEU:HB2	1.87	0.57
2:g:642:THR:HG23	2:g:645:GLY:H	1.68	0.57
14:B:826:CLA:HAA2	14:B:827:CLA:OBD	2.02	0.57
2:a:351:ALA:O	2:a:355:THR:HG23	2.05	0.57
15:G:841:PQN:H111	17:N:852:BCR:H393	1.85	0.57
14:A:802:CLA:HBB2	14:A:810:CLA:H112	1.87	0.57
4:b:527:HIS:CE1	14:b:837:CLA:ND	2.72	0.57
4:b:673:SER:HB3	4:b:678:TRP:HE1	1.70	0.57
7:e:39:ARG:HG2	7:e:50:THR:HG22	1.87	0.57
14:G:802:CLA:HBB2	14:G:810:CLA:H112	1.86	0.57
14:G:839:CLA:HAC1	15:G:841:PQN:H171	1.86	0.57
4:N:435:PHE:HZ	17:N:852:BCR:H20C	1.69	0.57
3:h:27:LEU:O	3:h:31:VAL:HG23	2.04	0.57
2:A:599:MET:HG2	14:A:825:CLA:HBC1	1.87	0.57
2:G:731:HIS:CE1	14:G:839:CLA:NA	2.73	0.57
14:G:818:CLA:H92	14:G:828:CLA:H91	1.87	0.57
7:R:2:VAL:HG11	7:R:58:LEU:HD23	1.87	0.57
14:n:832:CLA:HBB1	17:n:849:BCR:H323	1.86	0.57
2:A:197:MET:HB2	14:A:812:CLA:HBC2	1.85	0.57
4:B:22:TRP:CG	4:B:711:GLN:HE22	2.23	0.57
17:I:103:BCR:HC8	17:I:103:BCR:H331	1.87	0.57
14:a:826:CLA:HBC2	17:a:848:BCR:H332	1.87	0.57
2:G:375:PRO:HG2	2:G:381:ALA:HB2	1.87	0.57
2:G:413:MET:HE3	2:G:558:ARG:HG3	1.87	0.57
2:G:686:PHE:HA	15:G:841:PQN:H9	1.86	0.57
4:N:301:ILE:HA	4:N:304:MET:HB2	1.86	0.57
2:A:441:LEU:HG	2:A:548:LEU:HB2	1.87	0.57
14:a:822:CLA:HHB	14:a:840:CLA:HAB	1.87	0.57
2:G:396:TRP:CD1	14:G:827:CLA:HAB	2.40	0.56
8:S:155:LYS:HB2	8:S:158:GLU:HG3	1.85	0.56
14:g:801:CLA:H91	17:t:104:BCR:H21C	1.86	0.56
2:a:15:VAL:HG11	14:a:808:CLA:HAA2	1.87	0.56
14:a:837:CLA:H93	17:a:846:BCR:H14C	1.85	0.56
17:a:843:BCR:H391	10:k:39:ILE:HD11	1.87	0.56
17:a:848:BCR:H281	17:b:850:BCR:H14C	1.87	0.56
7:e:25:ALA:HB3	7:e:37:ILE:HG23	1.87	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:802:CLA:H43	14:G:839:CLA:H102	1.86	0.56
4:N:174:ARG:HB2	14:N:815:CLA:HBC2	1.86	0.56
14:h:1701:CLA:HBC3	14:n:838:CLA:HBC2	1.87	0.56
2:A:363:LEU:HD12	14:A:826:CLA:H52	1.87	0.56
2:a:514:VAL:HG13	2:a:524:MET:HB3	1.87	0.56
2:A:194:VAL:HG13	14:A:824:CLA:HMD1	1.87	0.56
2:A:734:LEU:HD11	17:A:849:BCR:HC8	1.87	0.56
14:B:805:CLA:HBD	14:B:805:CLA:HBA1	1.87	0.56
12:L:58:THR:HG22	12:L:60:PHE:H	1.71	0.56
20:b:801:SQD:H161	14:b:812:CLA:HAC1	1.85	0.56
14:b:810:CLA:H91	14:b:841:CLA:H12	1.86	0.56
4:N:697:LEU:HD21	12:W:52:ALA:HB1	1.87	0.56
2:g:429:ARG:HG2	2:g:432:ARG:HH21	1.70	0.56
2:A:299:LEU:HG	14:A:816:CLA:HAB	1.87	0.56
14:A:802:CLA:H8	9:J:23:THR:HG22	1.87	0.56
14:B:808:CLA:HMB2	17:I:101:BCR:H322	1.86	0.56
2:a:403:VAL:HG11	2:a:596:LEU:HG	1.87	0.56
2:a:458:HIS:HE1	14:a:832:CLA:NA	2.02	0.56
14:b:807:CLA:H2	14:b:807:CLA:HED3	1.87	0.56
4:N:177:HIS:NE2	14:N:814:CLA:NA	2.54	0.56
4:N:458:LEU:HD23	4:N:621:THR:HG21	1.88	0.56
12:W:24:ALA:HB2	12:W:32:ASN:HB3	1.87	0.56
4:n:719:HIS:NE2	14:n:840:CLA:NA	2.54	0.56
8:s:141:ALA:O	8:s:145:LYS:HG2	2.05	0.56
14:A:804:CLA:H162	17:A:845:BCR:HC8	1.88	0.56
4:B:136:TYR:HE1	13:M:12:ALA:HB2	1.70	0.56
2:a:119:TRP:HB3	17:j:104:BCR:HC21	1.87	0.56
2:a:385:ALA:HA	2:a:748:ILE:HD13	1.88	0.56
4:b:471:HIS:NE2	14:b:834:CLA:NA	2.54	0.56
2:G:322:ILE:HG21	14:G:824:CLA:HAC1	1.86	0.56
14:G:837:CLA:HBB2	14:G:838:CLA:HBC3	1.87	0.56
14:N:841:CLA:HBB2	15:N:843:PQN:H141	1.86	0.56
2:a:305:PHE:CE1	14:a:819:CLA:HAB	2.40	0.56
2:a:305:PHE:HE1	14:a:819:CLA:HAB	1.70	0.56
14:a:822:CLA:HAC1	17:a:846:BCR:HC8	1.88	0.56
4:b:178:HIS:NE2	14:b:814:CLA:NA	2.54	0.56
5:c:17:CYS:HB2	5:c:54:CYS:HB2	1.87	0.56
2:G:233:ALA:HB3	2:G:236:ASP:HB2	1.88	0.56
2:G:564:PRO:HG3	6:Q:65:TYR:CD2	2.41	0.56
14:g:822:CLA:HAC2	14:g:837:CLA:H202	1.87	0.56
14:g:854:CLA:H142	14:n:839:CLA:H71	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:830:CLA:H141	14:B:841:CLA:HBA1	1.87	0.56
2:a:67:GLU:HG2	2:a:188:LEU:HB2	1.86	0.56
2:a:199:ASN:HD21	2:a:312:TYR:HB2	1.71	0.56
15:a:841:PQN:H161	17:b:850:BCR:H382	1.86	0.56
18:a:850:LHG:H331	18:a:850:LHG:H152	1.87	0.56
10:u:46:PRO:HB2	10:u:59:ALA:HB3	1.88	0.56
4:B:181:GLY:O	4:B:185:VAL:HB	2.04	0.56
12:L:56:GLY:HA3	12:l:136:LYS:HD2	1.87	0.56
2:a:53:HIS:CE1	14:a:801:CLA:NA	2.73	0.56
4:b:299:HIS:NE2	14:b:822:CLA:ND	2.54	0.56
13:m:7:THR:O	13:m:11:ILE:HG23	2.06	0.56
2:G:91:MET:HB3	2:G:144:LEU:HD21	1.88	0.56
2:G:355:THR:HG22	17:G:846:BCR:HC7	1.86	0.56
12:W:77:PRO:HB3	14:W:204:CLA:HBB1	1.88	0.56
2:g:202:LEU:HD23	2:g:206:LEU:HD12	1.86	0.56
4:n:319:PHE:CD1	14:n:822:CLA:HAB	2.40	0.56
4:n:623:LEU:HD11	14:n:803:CLA:H193	1.88	0.56
2:A:127:LEU:HB3	2:A:138:ILE:HD11	1.88	0.56
4:B:460:GLU:HG3	8:F:28:LEU:HD11	1.87	0.56
14:a:805:CLA:H101	17:j:104:BCR:H373	1.87	0.56
14:b:811:CLA:HAB	11:i:25:GLY:HA3	1.87	0.56
4:N:711:GLN:HB2	21:N:850:LMG:H111	1.87	0.56
2:g:511:GLY:HA2	2:g:525:PRO:HG3	1.86	0.56
14:g:819:CLA:C4C	14:g:825:CLA:H152	2.36	0.56
14:g:822:CLA:HAC1	17:g:846:BCR:H323	1.87	0.56
2:A:675:GLY:HA2	17:A:849:BCR:H17C	1.86	0.56
14:B:809:CLA:H122	14:B:828:CLA:H152	1.88	0.56
2:G:358:ALA:HB1	17:G:847:BCR:H343	1.89	0.55
2:g:310:HIS:CE1	17:g:843:BCR:H363	2.42	0.55
4:n:729:ALA:HB2	14:n:827:CLA:HBB1	1.87	0.55
2:A:549:ILE:CG1	14:A:855:CLA:HMD3	2.36	0.55
2:A:598:TRP:HE1	14:A:855:CLA:CHD	2.20	0.55
14:A:818:CLA:H111	14:A:818:CLA:HAB	1.87	0.55
17:A:856:BCR:H312	9:J:38:ARG:HD3	1.89	0.55
12:L:152:GLY:HA3	17:L:1504:BCR:H312	1.88	0.55
4:b:534:LEU:HD23	4:b:593:THR:HG21	1.89	0.55
4:N:488:VAL:HG23	4:N:493:TYR:HB3	1.88	0.55
4:n:65:LEU:HD11	17:n:844:BCR:H281	1.88	0.55
4:n:435:PHE:HZ	17:n:849:BCR:H372	1.71	0.55
2:A:375:PRO:HG2	2:A:381:ALA:HB2	1.87	0.55
2:a:441:LEU:HG	2:a:548:LEU:HB2	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:g:719:LEU:HB3	2:g:723:GLN:HG2	1.88	0.55
2:A:434:ARG:HB2	2:A:555:LEU:HD13	1.89	0.55
2:a:45:THR:HG22	2:a:715:GLN:HB2	1.88	0.55
4:b:69:ALA:HB2	4:b:135:LEU:HB2	1.88	0.55
2:G:733:LEU:HD12	18:G:849:LHG:H342	1.89	0.55
14:G:824:CLA:HBA1	14:G:828:CLA:H191	1.89	0.55
14:N:815:CLA:H11	17:N:845:BCR:H21C	1.88	0.55
8:S:100:ILE:HG12	14:S:203:CLA:C4D	2.36	0.55
17:B:846:BCR:H272	17:B:847:BCR:H282	1.89	0.55
14:b:830:CLA:H11	21:b:849:LMG:H301	1.87	0.55
5:c:81:TYR:HB3	6:d:20:LEU:HD12	1.89	0.55
2:G:682:PHE:HZ	14:G:839:CLA:HBC2	1.71	0.55
6:Q:5:LEU:HB3	6:Q:57:LEU:HD11	1.89	0.55
14:n:810:CLA:H93	17:w:201:BCR:HC42	1.89	0.55
14:n:825:CLA:HAA2	14:n:826:CLA:OBD	2.07	0.55
14:A:805:CLA:HED1	14:A:829:CLA:H2	1.89	0.55
14:A:820:CLA:NB	14:A:826:CLA:C12	2.69	0.55
12:L:99:ILE:HD12	12:L:151:ILE:HD13	1.88	0.55
2:a:598:TRP:CZ2	14:a:853:CLA:HAB	2.42	0.55
2:g:598:TRP:CZ2	14:g:853:CLA:HAB	2.42	0.55
4:n:340:TRP:CH2	17:n:845:BCR:H20C	2.42	0.55
2:A:320:HIS:NE2	14:A:821:CLA:ND	2.55	0.55
4:B:528:HIS:CD2	17:B:852:BCR:HC21	2.42	0.55
5:C:62:PHE:CD2	6:D:120:ILE:HB	2.41	0.55
14:b:828:CLA:HBC3	21:b:849:LMG:H442	1.89	0.55
12:W:58:THR:HG23	12:W:61:ARG:H	1.70	0.55
14:g:838:CLA:H92	17:n:849:BCR:H17C	1.88	0.55
4:n:701:LYS:HG3	14:n:839:CLA:HED2	1.89	0.55
14:A:820:CLA:HBA2	14:A:826:CLA:H142	1.89	0.55
14:B:808:CLA:HBB2	14:B:808:CLA:H142	1.88	0.55
10:K:14:LEU:HD13	10:K:81:HIS:HB2	1.88	0.55
14:b:835:CLA:HBB1	17:b:847:BCR:HC32	1.88	0.55
14:g:817:CLA:HAB	14:g:817:CLA:H121	1.88	0.55
14:A:802:CLA:H102	14:A:807:CLA:H172	1.88	0.55
4:n:659:PHE:O	4:n:663:VAL:HG23	2.08	0.54
8:f:48:THR:HG23	8:f:50:ASP:H	1.71	0.54
17:W:206:BCR:H323	12:w:148:ILE:HG23	1.89	0.54
17:n:849:BCR:H312	14:n:850:CLA:H52	1.90	0.54
15:A:842:PQN:H141	14:F:201:CLA:HBB2	1.89	0.54
14:B:833:CLA:H52	17:B:851:BCR:H312	1.89	0.54
4:N:269:TRP:HB2	4:N:272:ASP:HB2	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:n:156:HIS:CE1	14:n:811:CLA:NA	2.75	0.54
6:d:43:LEU:HD12	6:d:47:GLY:HA3	1.89	0.54
6:q:120:ILE:HG22	7:r:14:GLU:HG3	1.89	0.54
19:A:852:CL0:H14	14:B:804:CLA:C1A	2.37	0.54
10:K:45:GLU:HG2	10:K:46:PRO:HD2	1.88	0.54
2:G:678:PHE:HB2	14:N:803:CLA:HBA2	1.90	0.54
14:N:815:CLA:H111	14:N:820:CLA:H92	1.88	0.54
2:g:685:MET:HG3	14:g:852:CLA:C4C	2.38	0.54
4:B:514:SER:HA	4:B:517:LEU:HD21	1.90	0.54
2:a:350:HIS:HD2	2:a:408:HIS:HD1	1.56	0.54
14:a:852:CLA:O2A	4:b:532:LEU:HD11	2.07	0.54
4:b:393:HIS:HE1	14:b:830:CLA:NA	2.05	0.54
4:N:592:ASN:HB2	14:N:803:CLA:HBC2	1.88	0.54
2:g:215:GLY:HA3	14:g:813:CLA:HAB	1.89	0.54
4:n:29:ASN:HD21	14:n:852:CLA:C1C	2.20	0.54
4:n:142:LEU:HG	17:n:844:BCR:H382	1.88	0.54
2:A:719:LEU:HB3	2:A:723:GLN:HG2	1.88	0.54
4:B:351:TRP:CE2	14:B:827:CLA:HAA1	2.43	0.54
4:B:707:LEU:HB3	4:B:711:GLN:HG2	1.89	0.54
14:B:827:CLA:H13	17:B:847:BCR:H15C	1.90	0.54
2:G:441:LEU:HG	2:G:548:LEU:HB2	1.90	0.54
2:G:584:CYS:HB2	4:N:674:TRP:HB3	1.90	0.54
14:n:810:CLA:HAB	11:v:25:GLY:HA3	1.88	0.54
14:A:855:CLA:CED	17:B:848:BCR:H401	2.28	0.54
2:G:521:VAL:HG11	2:G:524:MET:HG2	1.89	0.54
2:G:731:HIS:NE2	14:G:839:CLA:NB	2.56	0.54
14:N:801:CLA:HBC1	15:N:843:PQN:H191	1.89	0.54
7:R:25:ALA:HB3	7:R:37:ILE:HG13	1.89	0.54
2:g:87:TRP:HA	14:g:805:CLA:HBB2	1.89	0.54
5:C:29:VAL:HG12	6:D:110:ARG:HB3	1.90	0.54
2:a:406:ALA:HB2	17:a:847:BCR:H323	1.89	0.54
14:g:807:CLA:HBC2	4:n:450:PHE:HE1	1.72	0.54
4:n:351:TRP:HE1	4:n:355:HIS:CE1	2.25	0.54
14:n:806:CLA:H143	14:n:828:CLA:HBB2	1.90	0.54
14:B:820:CLA:C4C	14:B:825:CLA:H141	2.31	0.54
14:B:822:CLA:HBA1	17:B:843:BCR:H282	1.90	0.54
7:E:43:VAL:HG12	7:E:49:ASN:HB3	1.88	0.54
14:a:829:CLA:HMC1	14:a:837:CLA:HAB	1.90	0.54
12:l:106:THR:HG21	12:l:147:LEU:HD12	1.89	0.54
5:P:29:VAL:HG22	6:Q:110:ARG:HB3	1.89	0.54
2:g:15:VAL:HG11	14:g:808:CLA:HAA2	1.88	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:A:430:VAL:HA	2:A:433:HIS:CE1	2.43	0.54
2:A:465:LEU:HD22	4:B:96:PHE:HA	1.89	0.54
14:B:838:CLA:H93	14:B:839:CLA:HBC1	1.89	0.54
4:b:393:HIS:CE1	14:b:830:CLA:NA	2.76	0.54
14:b:808:CLA:HHB	14:b:809:CLA:HMB3	1.90	0.54
2:G:320:HIS:NE2	14:G:821:CLA:ND	2.56	0.53
14:n:840:CLA:H42	15:n:841:PQN:H271	1.90	0.53
2:A:197:MET:HE3	14:A:824:CLA:H143	1.89	0.53
2:A:511:GLY:HA2	2:A:525:PRO:HG3	1.91	0.53
17:I:101:BCR:H382	17:I:101:BCR:H23C	1.89	0.53
14:a:819:CLA:HAA2	14:a:823:CLA:HAB	1.90	0.53
2:G:462:MET:HE1	2:G:467:ARG:HE	1.72	0.53
2:G:734:LEU:HD11	17:G:848:BCR:HC8	1.90	0.53
4:N:528:HIS:NE2	14:N:839:CLA:NB	2.56	0.53
14:g:828:CLA:H18	14:g:839:CLA:H3A	1.91	0.53
2:A:393:HIS:CE1	14:A:827:CLA:ND	2.75	0.53
2:A:705:HIS:CE1	14:A:854:CLA:NA	2.76	0.53
2:a:116:GLN:OE1	14:a:806:CLA:NB	2.41	0.53
2:a:363:LEU:HD11	14:a:817:CLA:H71	1.89	0.53
14:G:823:CLA:HHB	14:G:840:CLA:HBB1	1.90	0.53
14:G:853:CLA:HBC2	17:N:852:BCR:H21C	1.89	0.53
4:n:379:HIS:NE2	14:n:828:CLA:ND	2.56	0.53
2:A:204:VAL:HG13	17:A:846:BCR:H341	1.90	0.53
14:A:807:CLA:H193	14:A:853:CLA:H191	1.90	0.53
4:b:442:VAL:HG13	14:b:803:CLA:H62	1.91	0.53
4:N:442:VAL:HG12	14:N:834:CLA:HAC1	1.91	0.53
14:g:810:CLA:HBB1	14:g:818:CLA:HBC2	1.90	0.53
8:s:132:ILE:HA	8:s:135:THR:HG22	1.90	0.53
2:a:408:HIS:CE1	14:a:828:CLA:NA	2.76	0.53
4:b:426:LEU:HD21	4:b:538:THR:HG22	1.88	0.53
19:G:851:CL0:H14	14:N:804:CLA:C1A	2.38	0.53
2:g:561:ARG:HD3	5:p:80:ALA:HB3	1.90	0.53
14:g:853:CLA:H192	14:n:809:CLA:H51	1.90	0.53
4:n:11:ASP:HB3	5:p:71:ALA:HB2	1.89	0.53
2:a:333:PHE:HE2	12:l:36:PRO:HG2	1.74	0.53
6:d:8:LYS:HB2	6:d:52:HIS:CE1	2.44	0.53
2:G:57:HIS:CD2	14:G:804:CLA:HBB2	2.44	0.53
2:G:300:ALA:HA	14:G:816:CLA:HMC2	1.91	0.53
4:N:415:VAL:HA	4:N:418:HIS:CE1	2.44	0.53
4:N:531:ALA:HB2	14:N:839:CLA:HMA1	1.91	0.53
17:g:844:BCR:H372	17:g:845:BCR:H312	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:A:559:SER:HB2	2:A:564:PRO:HA	1.90	0.53
2:a:197:MET:HG2	14:a:823:CLA:HMD1	1.91	0.53
4:b:528:HIS:CD2	17:b:852:BCR:HC21	2.44	0.53
17:b:850:BCR:H10C	14:f:202:CLA:HAB	1.90	0.53
7:e:14:GLU:HA	8:f:163:PRO:HG3	1.90	0.53
8:S:76:VAL:HG12	8:S:86:PHE:HB2	1.89	0.53
2:g:429:ARG:HG2	2:g:432:ARG:NH2	2.24	0.53
7:r:37:ILE:HG22	7:r:37:ILE:O	2.09	0.53
7:r:39:ARG:HG2	7:r:50:THR:HG22	1.89	0.53
14:A:825:CLA:HAA2	14:A:826:CLA:OBD	2.07	0.53
4:B:415:VAL:HA	4:B:418:HIS:CE1	2.44	0.53
2:a:412:PHE:CE2	17:a:846:BCR:HC32	2.44	0.53
14:b:822:CLA:HBA1	17:b:843:BCR:H282	1.90	0.53
14:b:826:CLA:H102	14:b:837:CLA:H121	1.91	0.53
2:g:731:HIS:NE2	14:g:839:CLA:NB	2.57	0.53
4:n:534:LEU:HD23	4:n:593:THR:HG21	1.91	0.53
2:A:57:HIS:CD2	14:A:804:CLA:HBB2	2.44	0.53
4:B:555:PRO:HB3	8:F:163:PRO:HG2	1.89	0.53
2:a:458:HIS:O	2:a:462:MET:HG2	2.09	0.53
2:G:370:HIS:NE2	14:G:826:CLA:NB	2.56	0.53
14:G:852:CLA:HED2	17:N:852:BCR:H401	0.58	0.53
4:n:174:ARG:HH11	14:n:805:CLA:H151	1.73	0.53
4:n:341:HIS:CG	14:n:824:CLA:HAA1	2.44	0.53
2:a:610:PHE:CE1	2:a:614:MET:HE2	2.44	0.53
4:b:433:LEU:HB3	4:b:532:LEU:HB2	1.91	0.53
4:n:319:PHE:HB2	14:n:823:CLA:HMA3	1.90	0.53
14:B:816:CLA:H42	17:B:843:BCR:HC31	1.90	0.53
14:a:852:CLA:HED3	4:b:539:LEU:HD23	1.86	0.53
14:W:202:CLA:HBC1	20:w:202:SQD:H45	1.91	0.52
2:g:486:TRP:CE2	2:g:490:LEU:HD11	2.43	0.52
14:g:822:CLA:NC	17:g:846:BCR:H352	2.25	0.52
17:w:201:BCR:C20	14:w:204:CLA:HAB	2.39	0.52
2:A:203:GLN:HG2	2:A:309:GLY:HA3	1.90	0.52
14:A:811:CLA:HAC2	14:A:811:CLA:H143	1.91	0.52
2:a:413:MET:HG2	2:a:554:VAL:O	2.09	0.52
4:b:341:HIS:CD2	14:b:825:CLA:HAA1	2.44	0.52
4:n:608:ILE:HA	4:n:613:VAL:HG12	1.90	0.52
8:f:161:VAL:HB	8:f:164:ARG:HH12	1.74	0.52
10:k:48:LEU:HD12	10:k:48:LEU:H	1.74	0.52
14:N:803:CLA:HHB	14:N:804:CLA:H18	1.90	0.52
2:g:574:PRO:HB3	2:g:721:ILE:HB	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:g:803:CLA:HBA1	14:g:811:CLA:HBA1	1.90	0.52
14:g:854:CLA:H8	14:n:839:CLA:H93	1.92	0.52
14:n:803:CLA:H62	14:n:803:CLA:H143	1.91	0.52
14:b:826:CLA:HAA2	14:b:827:CLA:OBD	2.08	0.52
14:g:831:CLA:HBB1	14:g:832:CLA:H2	1.90	0.52
14:g:831:CLA:H101	14:n:840:CLA:H112	1.92	0.52
2:A:121:ILE:HB	17:A:856:BCR:H322	1.90	0.52
17:A:856:BCR:HC22	9:J:38:ARG:HD3	1.91	0.52
4:B:659:PHE:O	4:B:663:VAL:HG23	2.10	0.52
14:B:820:CLA:HAA2	14:B:825:CLA:HAB	1.92	0.52
2:a:375:PRO:HG2	2:a:381:ALA:HB2	1.91	0.52
14:a:826:CLA:H162	14:b:803:CLA:H121	1.90	0.52
4:b:661:HIS:NE2	14:b:804:CLA:NB	2.57	0.52
2:G:447:PHE:HE2	14:G:837:CLA:HAB	1.74	0.52
2:g:197:MET:HE1	14:g:823:CLA:H142	1.92	0.52
14:n:813:CLA:H43	17:n:843:BCR:H19C	1.90	0.52
2:A:523:MET:HE3	2:A:524:MET:N	2.23	0.52
4:b:340:TRP:HE1	14:b:825:CLA:C2B	2.23	0.52
4:b:514:SER:HA	4:b:517:LEU:HD21	1.91	0.52
4:b:719:HIS:HE1	14:b:841:CLA:ND	2.07	0.52
8:f:57:ARG:HD3	9:j:42:ASP:OD1	2.10	0.52
8:f:117:THR:O	8:f:121:GLU:HG2	2.10	0.52
3:H:21:ARG:HD2	18:S:202:LHG:H312	1.91	0.52
14:N:828:CLA:H13	17:N:848:BCR:H351	1.91	0.52
14:N:841:CLA:HAA1	17:W:205:BCR:H362	1.92	0.52
2:g:77:HIS:NE2	14:g:803:CLA:ND	2.58	0.52
14:g:804:CLA:H151	14:g:827:CLA:HBB2	1.90	0.52
2:A:121:ILE:HG13	17:A:856:BCR:H313	1.92	0.52
2:A:202:LEU:HA	2:A:206:LEU:HD12	1.91	0.52
2:A:234:VAL:HA	2:A:237:ILE:HD12	1.90	0.52
17:I:103:BCR:H383	12:L:109:LEU:HD21	1.91	0.52
4:b:527:HIS:NE2	14:b:837:CLA:NC	2.58	0.52
14:b:810:CLA:H13	14:b:841:CLA:H11	1.91	0.52
4:N:661:HIS:NE2	14:N:804:CLA:NB	2.57	0.52
14:B:840:CLA:H111	14:B:841:CLA:H141	1.90	0.52
2:G:216:HIS:HE1	14:G:813:CLA:NA	2.07	0.52
2:g:318:ILE:HD12	10:u:64:ALA:HB2	1.90	0.52
2:g:320:HIS:NE2	14:g:820:CLA:ND	2.57	0.52
2:g:652:TRP:HD1	14:n:803:CLA:HBC1	1.74	0.52
4:B:426:LEU:HG	4:B:539:LEU:HB2	1.92	0.52
9:J:17:THR:HG22	9:J:19:PRO:HD2	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:a:521:VAL:HG11	2:a:524:MET:HG2	1.92	0.52
4:b:268:LEU:HB2	4:b:273:MET:HE2	1.92	0.52
2:G:227:LEU:HB3	2:G:237:ILE:HD12	1.92	0.52
2:G:430:VAL:HA	2:G:433:HIS:CE1	2.45	0.52
14:G:829:CLA:H121	18:G:849:LHG:H361	1.91	0.52
2:g:234:VAL:HA	2:g:237:ILE:HD12	1.90	0.52
14:g:831:CLA:CAD	17:w:201:BCR:H21C	2.39	0.52
2:a:198:LEU:HD21	14:a:819:CLA:HMA2	1.92	0.52
2:a:462:MET:HE1	14:a:832:CLA:C3D	2.40	0.52
14:b:830:CLA:H111	14:b:841:CLA:HED1	1.92	0.52
2:G:216:HIS:CE1	14:G:813:CLA:NA	2.78	0.52
14:G:833:CLA:HED2	14:G:833:CLA:H2A	1.92	0.52
10:U:36:ARG:HA	10:U:36:ARG:NE	2.24	0.52
2:g:650:PHE:HA	2:g:654:GLN:HG3	1.91	0.52
9:t:19:PRO:HB2	17:t:104:BCR:H391	1.91	0.52
2:A:393:HIS:HE1	14:A:827:CLA:ND	2.08	0.52
2:A:433:HIS:HA	6:D:16:THR:OG1	2.10	0.52
14:A:840:CLA:HBB2	17:I:103:BCR:H372	1.92	0.52
4:B:476:TYR:HA	8:F:25:GLY:HA2	1.92	0.52
2:a:297:HIS:HD2	14:a:816:CLA:NA	2.07	0.52
2:a:363:LEU:HD21	14:a:817:CLA:H93	1.92	0.52
2:a:705:HIS:HE1	14:a:838:CLA:ND	2.08	0.52
2:g:470:ASP:HB3	14:g:832:CLA:HED2	1.93	0.51
4:n:381:TYR:O	4:n:384:ILE:HG13	2.10	0.51
2:A:205:LEU:HD13	14:A:812:CLA:HHB	1.92	0.51
4:B:26:ALA:HA	14:B:830:CLA:H43	1.91	0.51
2:a:262:THR:HG22	2:a:263:PRO:HD3	1.92	0.51
2:G:212:GLY:HA2	14:G:814:CLA:HBB2	1.92	0.51
4:N:174:ARG:HB3	14:N:826:CLA:HMD1	1.91	0.51
2:g:531:ALA:HA	2:g:534:LEU:HD12	1.92	0.51
4:B:193:HIS:HB2	14:B:815:CLA:C1C	2.41	0.51
2:a:121:ILE:HG23	2:a:122:VAL:HG22	1.91	0.51
14:b:828:CLA:H3A	14:b:828:CLA:CGA	2.40	0.51
14:b:841:CLA:H193	17:i:101:BCR:H271	1.92	0.51
9:j:35:GLU:HG3	14:j:101:CLA:CHB	2.41	0.51
5:P:28:MET:HE3	5:P:38:GLN:HB2	1.92	0.51
6:Q:32:THR:HG22	6:Q:57:LEU:HG	1.91	0.51
14:g:829:CLA:HMC3	14:g:837:CLA:HAB	1.93	0.51
14:n:830:CLA:HMC2	17:n:845:BCR:H272	1.90	0.51
4:B:459:ILE:HB	4:B:524:PHE:CE2	2.44	0.51
10:K:35:GLY:O	10:K:39:ILE:HG13	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:K:70:HIS:NE2	14:K:101:CLA:NC	2.58	0.51
2:G:433:HIS:CE1	2:G:437:ILE:HD11	2.46	0.51
2:G:605:ILE:HD12	19:G:851:CL0:H53	1.92	0.51
14:G:853:CLA:HED2	4:N:424:SER:HB2	1.93	0.51
4:N:343:ALA:HB2	17:N:848:BCR:H372	1.93	0.51
2:g:267:LEU:HD11	10:u:74:VAL:HG13	1.93	0.51
2:g:305:PHE:HZ	14:g:817:CLA:H122	1.76	0.51
2:g:399:GLY:HA3	2:g:603:LEU:HD11	1.92	0.51
2:g:401:LEU:HD21	14:g:804:CLA:H142	1.91	0.51
14:g:816:CLA:HBC1	14:g:819:CLA:H18	1.92	0.51
14:g:831:CLA:H51	14:g:854:CLA:HBC2	1.91	0.51
12:w:144:SER:O	12:w:148:ILE:HG13	2.10	0.51
4:B:433:LEU:HB3	4:B:532:LEU:HB2	1.92	0.51
6:D:63:LYS:HE3	6:D:95:ILE:HD12	1.92	0.51
11:I:26:TRP:CZ2	17:I:102:BCR:H323	2.46	0.51
14:b:811:CLA:ND	17:i:102:BCR:H332	2.25	0.51
2:G:43:PRO:HG3	8:S:122:ILE:HD13	1.93	0.51
4:N:276:HIS:HB2	14:N:819:CLA:CHB	2.41	0.51
14:N:821:CLA:C4C	14:N:826:CLA:H141	2.38	0.51
14:N:833:CLA:HAC1	14:N:840:CLA:HBC3	1.92	0.51
10:U:73:GLY:HA2	10:U:76:LEU:HD12	1.92	0.51
12:W:73:PHE:CZ	14:W:203:CLA:HBB1	2.40	0.51
2:g:305:PHE:HE1	14:g:819:CLA:HHC	1.75	0.51
14:n:802:CLA:HHB	14:n:803:CLA:H192	1.92	0.51
14:n:808:CLA:H121	14:n:808:CLA:H2	1.92	0.51
2:A:363:LEU:HD11	14:A:818:CLA:H102	1.92	0.51
2:a:451:HIS:HE1	14:a:831:CLA:NA	2.08	0.51
12:l:105:PHE:HB3	17:l:205:BCR:H401	1.93	0.51
12:W:167:ILE:HG13	12:w:96:LEU:HD21	1.92	0.51
2:g:297:HIS:HB2	14:g:816:CLA:CHB	2.40	0.51
14:g:854:CLA:HMD3	17:n:847:BCR:H383	1.92	0.51
4:n:80:ASP:HB3	4:n:84:VAL:HG23	1.92	0.51
4:n:565:PRO:HB3	4:n:709:ILE:HB	1.93	0.51
2:A:194:VAL:HG11	14:A:824:CLA:HAC2	1.92	0.51
4:B:182:LEU:HD13	14:B:814:CLA:HHB	1.92	0.51
2:a:657:GLN:HG2	2:a:750:SER:HB2	1.92	0.51
4:b:638:LEU:HD22	4:b:731:PHE:HA	1.93	0.51
14:G:801:CLA:HBB2	14:N:805:CLA:HAA1	1.93	0.51
4:N:62:SER:HB2	4:N:142:LEU:HB3	1.93	0.51
2:g:57:HIS:CD2	14:g:803:CLA:HBB2	2.46	0.51
2:g:363:LEU:HD21	14:g:817:CLA:H102	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:A:481:PRO:HG3	2:A:533:PHE:HB2	1.93	0.51
2:A:659:ILE:HD12	4:B:628:ARG:HG3	1.93	0.51
4:B:528:HIS:HE1	14:B:838:CLA:ND	2.08	0.51
2:a:87:TRP:HA	14:a:805:CLA:HBB2	1.93	0.51
2:a:146:GLN:HB3	2:a:377:TYR:HB3	1.92	0.51
4:b:436:HIS:HB3	17:b:852:BCR:H312	1.92	0.51
2:G:93:PHE:CG	14:G:806:CLA:HBC3	2.45	0.51
4:N:154:TRP:CD1	13:Y:29:GLU:HG3	2.46	0.51
4:n:669:MET:HB2	14:n:804:CLA:C1C	2.41	0.51
2:A:305:PHE:HE1	14:A:820:CLA:HHC	1.75	0.51
14:A:832:CLA:HBB1	14:A:833:CLA:H2	1.93	0.51
2:a:544:HIS:NE2	14:a:837:CLA:NA	2.59	0.51
4:b:592:ASN:HB2	14:b:803:CLA:HBC2	1.91	0.51
5:c:19:ARG:HG2	6:d:104:GLU:HG2	1.93	0.51
5:c:58:CYS:HB3	5:c:63:LEU:HD22	1.91	0.51
14:G:825:CLA:HAB	17:G:847:BCR:H311	1.92	0.51
4:N:652:VAL:HG11	14:N:810:CLA:HAC1	1.92	0.51
14:g:836:CLA:H191	14:w:204:CLA:H102	1.92	0.51
4:n:89:HIS:CE1	4:n:114:ASN:HD22	2.29	0.51
4:B:495:ASN:HD21	14:B:835:CLA:HED2	1.75	0.51
17:B:843:BCR:HC41	17:B:845:BCR:H322	1.93	0.51
11:I:24:ILE:HD11	17:I:101:BCR:HC42	1.93	0.51
2:a:459:ASN:HB3	2:a:642:THR:HG22	1.93	0.51
14:g:803:CLA:H42	14:g:804:CLA:HBB1	1.92	0.51
17:A:849:BCR:H21C	14:A:853:CLA:H13	1.93	0.51
2:a:50:TRP:HE1	14:f:201:CLA:HBB1	1.76	0.51
14:b:802:CLA:H141	17:l:205:BCR:H17C	1.91	0.51
2:G:685:MET:HE3	15:G:841:PQN:H2M1	1.93	0.50
4:N:299:HIS:CE1	14:N:823:CLA:NA	2.79	0.50
4:N:565:PRO:HB3	4:N:709:ILE:HB	1.92	0.50
8:S:116:ASP:HB2	8:S:119:GLN:HB3	1.93	0.50
2:g:95:GLY:HA3	2:g:148:TRP:CH2	2.46	0.50
14:g:816:CLA:H13	14:g:833:CLA:H43	1.92	0.50
14:n:804:CLA:H61	14:n:840:CLA:HBB2	1.92	0.50
17:n:845:BCR:H392	17:n:846:BCR:H23C	1.93	0.50
9:t:31:GLY:HA3	14:t:101:CLA:HAB	1.93	0.50
4:B:196:HIS:CE1	14:B:816:CLA:NA	2.79	0.50
2:a:215:GLY:HA3	14:a:813:CLA:HAB	1.92	0.50
2:a:247:LYS:O	2:a:251:ILE:HG12	2.11	0.50
4:b:56:ILE:HD11	17:m:102:BCR:HC7	1.94	0.50
14:f:201:CLA:H41	14:f:202:CLA:HBC1	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:N:831:CLA:O1D	14:N:831:CLA:H2A	2.11	0.50
14:N:835:CLA:H2	14:N:836:CLA:HMB1	1.94	0.50
14:g:821:CLA:H93	14:g:821:CLA:HBC3	1.93	0.50
14:g:830:CLA:HBC2	14:g:837:CLA:HMC2	1.94	0.50
4:n:106:GLN:HG3	4:n:115:ILE:HD11	1.93	0.50
4:n:343:ALA:HB2	17:n:846:BCR:H372	1.93	0.50
4:n:394:GLY:HA3	17:n:846:BCR:H382	1.93	0.50
4:B:104:PHE:CZ	4:B:652:VAL:HG23	2.47	0.50
12:L:57:LEU:HD22	12:L:61:ARG:HG2	1.93	0.50
2:a:533:PHE:HA	14:a:836:CLA:HED1	1.92	0.50
4:b:432:PHE:CZ	17:b:852:BCR:HC41	2.46	0.50
4:N:193:HIS:CE1	14:N:816:CLA:NA	2.79	0.50
4:N:439:GLY:HA3	14:N:834:CLA:HAB	1.93	0.50
4:N:526:VAL:HG11	4:N:600:TYR:HB2	1.94	0.50
14:N:810:CLA:O1A	14:N:829:CLA:HBD	2.11	0.50
2:g:657:GLN:O	2:g:661:SER:HB3	2.12	0.50
2:g:695:GLN:O	2:g:699:GLU:HG3	2.12	0.50
2:A:296:HIS:CE1	14:A:816:CLA:NA	2.79	0.50
14:b:808:CLA:H62	17:i:101:BCR:HC32	1.93	0.50
14:b:809:CLA:O1A	14:b:828:CLA:HBD	2.11	0.50
14:G:853:CLA:H71	14:N:851:CLA:H11	1.92	0.50
5:P:59:PRO:HA	7:R:48:ILE:HD13	1.94	0.50
14:g:811:CLA:H122	17:g:845:BCR:H353	1.92	0.50
15:g:841:PQN:H172	17:n:849:BCR:H382	1.94	0.50
14:n:839:CLA:H142	17:w:201:BCR:H10C	1.93	0.50
14:A:811:CLA:HBC1	14:A:812:CLA:H143	1.93	0.50
3:X:21:ARG:HB3	20:B:801:SQD:H45	1.93	0.50
4:B:193:HIS:CE1	14:B:815:CLA:NA	2.79	0.50
4:B:434:GLY:HA2	4:B:532:LEU:HD22	1.92	0.50
14:B:828:CLA:O1D	14:B:829:CLA:HHB	2.11	0.50
14:L:1501:CLA:HBC1	20:l:201:SQD:H45	1.93	0.50
5:c:55:GLU:O	5:c:63:LEU:HD13	2.10	0.50
2:G:678:PHE:CG	17:G:848:BCR:H363	2.46	0.50
3:H:18:TYR:CZ	18:S:202:LHG:H271	2.47	0.50
18:g:850:LHG:H351	18:g:850:LHG:H122	1.94	0.50
2:A:523:MET:HE3	2:A:524:MET:H	1.76	0.50
4:b:276:HIS:HB2	14:b:818:CLA:C1B	2.41	0.50
11:i:35:PHE:HD1	20:l:201:SQD:H92	1.75	0.50
4:N:65:LEU:HD11	17:N:846:BCR:H281	1.93	0.50
17:g:843:BCR:H23C	10:u:68:PHE:HB2	1.94	0.50
10:u:24:MET:HE1	10:u:70:HIS:HA	1.94	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:B:597:VAL:HG21	14:B:837:CLA:HAB	1.94	0.50
2:a:57:HIS:CD2	14:a:803:CLA:HBB2	2.47	0.50
14:a:811:CLA:H41	17:a:845:BCR:H19C	1.92	0.50
4:b:123:TRP:CH2	14:b:829:CLA:H2	2.47	0.50
4:b:426:LEU:HD13	14:b:839:CLA:HBB1	1.93	0.50
14:N:820:CLA:HAB	14:N:820:CLA:H8	1.94	0.50
2:g:305:PHE:CE1	14:g:819:CLA:HAB	2.46	0.50
2:A:737:ILE:HG23	14:A:827:CLA:HAB	1.94	0.50
4:B:142:LEU:HG	17:B:845:BCR:H382	1.93	0.50
4:B:167:TRP:CZ2	14:B:814:CLA:HAC2	2.47	0.50
14:B:826:CLA:HMB1	14:B:839:CLA:HBA1	1.93	0.50
4:n:275:HIS:CE1	14:n:816:CLA:NA	2.79	0.50
2:A:200:HIS:CE1	14:A:811:CLA:NA	2.80	0.50
14:A:831:CLA:OBD	12:L:35:THR:HG21	2.11	0.50
14:A:853:CLA:CGA	14:A:853:CLA:H3A	2.42	0.50
4:b:462:VAL:HG21	8:f:77:ASP:HB3	1.93	0.50
6:d:7:GLY:HA2	6:d:55:GLU:HG2	1.93	0.50
2:G:92:ILE:HD13	2:G:162:THR:HG22	1.94	0.50
2:G:672:MET:SD	14:G:827:CLA:H141	2.51	0.50
8:S:140:PRO:O	8:S:144:VAL:HG22	2.12	0.50
2:A:92:ILE:HG21	2:A:162:THR:HB	1.93	0.50
14:B:814:CLA:H111	14:B:819:CLA:H92	1.93	0.50
14:G:833:CLA:H72	17:W:201:BCR:H353	1.94	0.49
4:N:299:HIS:NE2	14:N:823:CLA:ND	2.59	0.49
4:N:436:HIS:HB2	17:N:853:BCR:HC42	1.93	0.49
4:N:440:LEU:HD22	17:N:853:BCR:H311	1.94	0.49
14:N:815:CLA:H43	17:N:845:BCR:H19C	1.94	0.49
4:n:275:HIS:HB3	14:n:817:CLA:HMB2	1.94	0.49
7:r:32:ILE:HG22	7:r:34:TYR:H	1.77	0.49
3:X:20:PHE:HD2	20:B:801:SQD:H441	1.76	0.49
4:B:526:VAL:HG11	4:B:600:TYR:HB2	1.94	0.49
17:L:1504:BCR:H321	12:l:148:ILE:HG23	1.94	0.49
4:b:191:ALA:O	4:b:195:ILE:HG22	2.11	0.49
2:G:119:TRP:HB3	17:T:104:BCR:H323	1.94	0.49
10:U:80:LEU:HB3	10:U:85:ARG:HB2	1.93	0.49
2:g:180:HIS:CE1	14:g:808:CLA:NA	2.80	0.49
2:g:506:VAL:HG23	14:g:816:CLA:HBA2	1.94	0.49
2:g:584:CYS:HB2	4:n:674:TRP:HB3	1.93	0.49
8:F:144:VAL:O	8:F:148:LEU:HD22	2.12	0.49
14:a:838:CLA:HBC2	17:b:850:BCR:H21C	1.94	0.49
14:a:839:CLA:HAC1	15:a:841:PQN:H172	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:T:28:ILE:HA	14:T:101:CLA:HBB2	1.94	0.49
2:g:451:HIS:CE1	14:g:831:CLA:NA	2.80	0.49
2:g:740:THR:HG23	14:g:826:CLA:HBB2	1.93	0.49
4:n:522:GLY:O	4:n:526:VAL:HG23	2.11	0.49
2:A:313:ARG:HH12	2:A:321:SER:HB3	1.76	0.49
14:A:831:CLA:H52	14:L:1502:CLA:H62	1.92	0.49
14:a:801:CLA:HBB2	14:a:809:CLA:H122	1.94	0.49
14:a:829:CLA:HAB	14:a:837:CLA:HBB2	1.93	0.49
14:b:820:CLA:H11	14:b:824:CLA:H12	1.95	0.49
14:b:827:CLA:H143	17:b:846:BCR:H17C	1.93	0.49
14:G:805:CLA:H202	14:G:827:CLA:HMD1	1.94	0.49
14:G:824:CLA:H42	14:G:828:CLA:H193	1.93	0.49
4:N:15:ASP:HB3	4:N:20:ARG:HB2	1.94	0.49
2:g:43:PRO:HG3	8:s:122:ILE:HD13	1.92	0.49
2:g:322:ILE:HG23	14:g:819:CLA:HED2	1.94	0.49
2:g:585:GLN:HG3	4:n:674:TRP:HB2	1.94	0.49
14:g:805:CLA:H72	14:g:807:CLA:H92	1.94	0.49
14:g:853:CLA:HBB1	14:g:853:CLA:HMB3	1.95	0.49
20:h:1702:SQD:H262	14:n:830:CLA:H71	1.94	0.49
4:n:231:GLY:HA2	14:n:816:CLA:HAA2	1.93	0.49
4:n:514:SER:HA	4:n:517:LEU:HD21	1.93	0.49
4:n:669:MET:HB2	14:n:804:CLA:C4C	2.43	0.49
7:r:9:ARG:HB3	7:r:59:ILE:HG23	1.94	0.49
2:A:652:TRP:CD1	14:B:804:CLA:HBC1	2.42	0.49
2:A:678:PHE:CG	17:A:849:BCR:H363	2.46	0.49
4:B:255:LEU:HD23	4:B:275:HIS:HA	1.93	0.49
17:I:103:BCR:H23C	12:L:109:LEU:HG	1.95	0.49
2:a:396:TRP:CD1	14:a:826:CLA:HAB	2.47	0.49
4:b:532:LEU:HD21	14:b:803:CLA:HBB1	1.93	0.49
2:G:121:ILE:O	2:G:124:GLN:HG2	2.13	0.49
14:N:818:CLA:C1D	14:N:819:CLA:HBB2	2.42	0.49
2:g:322:ILE:HG21	14:g:823:CLA:HAC1	1.95	0.49
14:g:853:CLA:C1B	14:n:804:CLA:HBB1	2.39	0.49
8:s:31:CYS:SG	8:s:66:CYS:HB2	2.52	0.49
7:E:12:ARG:HG2	7:E:14:GLU:HG2	1.94	0.49
2:a:307:ILE:HD13	17:a:843:BCR:H17C	1.94	0.49
14:a:819:CLA:H171	14:a:819:CLA:H101	1.94	0.49
14:a:831:CLA:H3A	17:i:101:BCR:H272	1.95	0.49
15:a:841:PQN:H111	17:b:850:BCR:H393	1.94	0.49
14:a:852:CLA:O2A	14:b:803:CLA:HBB2	2.13	0.49
4:b:92:TRP:HB2	14:b:808:CLA:HED1	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:G:843:BCR:H19C	10:U:71:ILE:HD11	1.94	0.49
14:G:852:CLA:H3A	14:G:852:CLA:CGA	2.42	0.49
14:G:852:CLA:CBA	4:N:431:LEU:HD23	2.40	0.49
14:N:803:CLA:HMA3	14:N:804:CLA:H71	1.94	0.49
5:P:15:THR:HG22	5:P:28:MET:HG3	1.94	0.49
5:P:43:PRO:HA	6:Q:113:VAL:HG11	1.94	0.49
2:g:204:VAL:CB	14:g:811:CLA:HAB	2.41	0.49
3:h:28:LEU:HD21	20:h:1702:SQD:H311	1.94	0.49
8:s:100:ILE:HD13	14:s:202:CLA:C1D	2.40	0.49
2:A:53:HIS:CE1	14:A:802:CLA:NA	2.81	0.49
14:B:837:CLA:HMB1	14:B:837:CLA:HBB1	1.95	0.49
14:a:836:CLA:H201	14:l:203:CLA:H71	1.94	0.49
4:b:156:HIS:CE1	14:b:812:CLA:NA	2.80	0.49
4:b:193:HIS:CE1	14:b:815:CLA:NA	2.81	0.49
10:k:18:PRO:O	10:k:22:ILE:HG12	2.12	0.49
10:U:45:GLU:HG2	10:U:46:PRO:HD2	1.95	0.49
4:n:176:ASN:ND2	4:n:291:TYR:HB2	2.27	0.49
14:n:808:CLA:O1A	14:n:827:CLA:HBD	2.13	0.49
11:v:37:PHE:HD2	12:w:111:LEU:HD22	1.78	0.49
12:w:20:VAL:HG12	12:w:36:PRO:HD3	1.94	0.49
12:w:105:PHE:HB3	17:w:206:BCR:H401	1.95	0.49
4:b:436:HIS:NE2	14:b:833:CLA:NC	2.61	0.49
4:b:554:MET:SD	4:b:557:LYS:HG3	2.52	0.49
2:G:320:HIS:CE1	14:G:821:CLA:NA	2.80	0.49
14:N:835:CLA:HBA2	14:N:836:CLA:HMB2	1.95	0.49
17:W:201:BCR:H332	14:W:203:CLA:H2	1.94	0.49
2:g:26:PHE:O	9:t:10:TYR:HB3	2.13	0.49
14:n:819:CLA:ND	14:n:824:CLA:H141	2.27	0.49
14:n:837:CLA:H121	14:n:837:CLA:HMC2	1.95	0.49
8:s:38:GLN:O	8:s:42:LYS:HG2	2.12	0.49
4:B:432:PHE:CZ	17:B:852:BCR:HC41	2.48	0.49
5:C:39:VAL:HG22	5:C:40:ALA:H	1.78	0.49
4:N:183:PHE:HB3	4:N:284:PHE:CD2	2.47	0.49
4:N:393:HIS:HE1	14:N:831:CLA:NA	2.11	0.49
4:N:528:HIS:HE1	14:N:839:CLA:ND	2.10	0.49
14:N:811:CLA:H13	14:N:842:CLA:H43	1.95	0.49
14:N:817:CLA:H42	17:N:844:BCR:HC31	1.95	0.49
2:g:451:HIS:HE1	14:g:831:CLA:NA	2.10	0.49
14:g:807:CLA:HAB	14:n:850:CLA:HMD2	1.94	0.49
4:n:180:ALA:HB1	14:n:820:CLA:HAC2	1.94	0.49
4:n:434:GLY:HA2	4:n:532:LEU:HD22	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
12:w:50:LEU:HD13	14:w:204:CLA:HBD	1.95	0.49
2:A:667:SER:HB2	4:B:449:ALA:HB1	1.93	0.49
14:A:853:CLA:HMD3	4:B:540:ILE:HG12	1.94	0.49
4:B:57:ILE:HG23	14:B:807:CLA:HMC2	1.94	0.49
14:B:832:CLA:HBA2	14:B:832:CLA:H3A	1.57	0.49
14:a:819:CLA:H203	14:a:825:CLA:H152	1.95	0.49
11:i:35:PHE:CE2	18:m:101:LHG:H272	2.48	0.49
2:G:75:ALA:HB2	2:G:181:TYR:HB2	1.94	0.49
2:G:360:LEU:HD12	14:G:804:CLA:HED3	1.95	0.49
4:N:435:PHE:CZ	17:N:852:BCR:H20C	2.47	0.49
4:N:523:ASP:OD2	4:N:604:LYS:HE2	2.13	0.49
7:R:12:ARG:HB3	7:R:15:SER:HB2	1.93	0.49
8:S:57:ARG:HD3	9:T:42:ASP:OD1	2.13	0.49
14:n:837:CLA:H141	14:n:837:CLA:H162	1.65	0.49
4:B:156:HIS:CE1	14:B:812:CLA:NA	2.80	0.49
10:K:77:VAL:HG13	10:K:78:LEU:HD22	1.94	0.49
12:L:64:LEU:O	12:L:68:MET:HG3	2.13	0.49
1:1:229:ASN:O	1:1:233:ILE:HG13	2.12	0.48
2:G:305:PHE:CE2	14:G:820:CLA:HAB	2.48	0.48
4:N:310:PHE:HD1	14:N:824:CLA:HBA2	1.78	0.48
4:n:193:HIS:CE1	14:n:814:CLA:NA	2.81	0.48
4:n:299:HIS:NE2	14:n:821:CLA:ND	2.61	0.48
2:A:582:GLY:HA3	4:B:675:ARG:HD3	1.94	0.48
4:B:419:LYS:HE3	4:B:546:LEU:HB3	1.95	0.48
12:L:78:PHE:HB3	12:L:94:GLY:HA2	1.95	0.48
4:b:269:TRP:HB2	4:b:272:ASP:HB2	1.94	0.48
12:l:64:LEU:O	12:l:68:MET:HG3	2.13	0.48
2:G:738:ALA:HB2	17:G:848:BCR:H322	1.95	0.48
3:H:20:PHE:HD2	20:H:1702:SQD:H441	1.78	0.48
4:N:393:HIS:CE1	14:N:831:CLA:NA	2.81	0.48
4:N:443:HIS:ND1	14:N:834:CLA:ND	2.60	0.48
4:N:659:PHE:O	4:N:663:VAL:HG23	2.13	0.48
2:g:112:ARG:HD2	2:g:139:GLN:HE22	1.78	0.48
4:n:425:HIS:O	4:n:429:VAL:HG23	2.13	0.48
4:n:555:PRO:HD2	5:p:62:PHE:CZ	2.49	0.48
7:r:10:ILE:HG22	7:r:12:ARG:H	1.77	0.48
14:A:853:CLA:H92	4:B:438:LEU:HD23	1.95	0.48
14:X:1701:CLA:HBA2	17:F:203:BCR:H393	1.95	0.48
4:B:652:VAL:HG22	14:B:810:CLA:HHD	1.95	0.48
2:a:458:HIS:CE1	2:a:462:MET:HE3	2.48	0.48
14:a:828:CLA:H102	14:a:839:CLA:HAA2	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:a:846:BCR:H372	18:a:850:LHG:H142	1.95	0.48
14:h:1701:CLA:HBC1	20:h:1702:SQD:H212	1.96	0.48
4:n:340:TRP:HE1	14:n:824:CLA:C2B	2.26	0.48
2:a:289:LEU:HD21	2:a:374:MET:HB3	1.94	0.48
5:P:17:CYS:HB3	16:P:102:SF4:S4	2.53	0.48
12:W:80:LYS:HG2	14:W:204:CLA:HMA1	1.95	0.48
2:g:407:ALA:HB2	2:g:592:VAL:HG11	1.95	0.48
2:A:731:HIS:NE2	14:A:839:CLA:NB	2.62	0.48
4:B:461:PRO:HB3	4:B:524:PHE:HB2	1.96	0.48
4:B:661:HIS:NE2	14:B:804:CLA:NB	2.61	0.48
4:b:91:ILE:HB	4:b:112:PRO:HB2	1.95	0.48
4:b:476:TYR:HD1	8:f:26:ALA:H	1.61	0.48
4:b:624:MET:HA	4:b:624:MET:HE2	1.95	0.48
4:b:700:TRP:CD1	4:b:704:PRO:HD3	2.48	0.48
14:b:823:CLA:H93	14:b:823:CLA:HBB1	1.95	0.48
12:l:109:LEU:HG	17:l:205:BCR:H24C	1.95	0.48
2:G:333:PHE:HE2	12:W:36:PRO:HG2	1.77	0.48
14:G:852:CLA:HBB1	14:N:803:CLA:NB	2.28	0.48
11:v:40:ILE:HG13	11:v:41:GLU:OE1	2.13	0.48
4:B:435:PHE:HZ	17:B:851:BCR:H372	1.78	0.48
2:a:180:HIS:CE1	14:a:808:CLA:NA	2.81	0.48
2:a:451:HIS:CE1	14:a:831:CLA:NA	2.82	0.48
18:a:850:LHG:H141	18:a:850:LHG:H362	1.96	0.48
14:b:810:CLA:H112	14:b:828:CLA:H192	1.96	0.48
2:G:501:ASN:HB2	14:G:835:CLA:HED2	1.95	0.48
4:N:195:ILE:HD13	14:N:817:CLA:HAC1	1.96	0.48
4:N:638:LEU:HD22	4:N:731:PHE:HA	1.96	0.48
2:g:214:ALA:O	2:g:218:ILE:HG13	2.14	0.48
4:n:173:SER:HA	4:n:293:THR:HG22	1.96	0.48
4:n:391:PHE:HB2	4:n:541:LEU:HD22	1.94	0.48
14:n:836:CLA:HBB1	14:n:836:CLA:HMB1	1.96	0.48
2:A:215:GLY:HA3	14:A:814:CLA:HAB	1.96	0.48
2:A:537:HIS:CE1	14:A:837:CLA:ND	2.80	0.48
14:B:830:CLA:H102	21:B:849:LMG:H401	1.94	0.48
2:a:297:HIS:C	2:a:297:HIS:HD1	2.21	0.48
14:a:831:CLA:H102	14:b:840:CLA:H52	1.95	0.48
2:G:320:HIS:NE2	14:G:821:CLA:NA	2.62	0.48
14:N:805:CLA:H143	14:N:805:CLA:H111	1.70	0.48
4:n:375:LEU:HD11	14:n:828:CLA:HED3	1.94	0.48
4:n:669:MET:HE2	14:n:804:CLA:C4B	2.38	0.48
10:u:32:ILE:HA	10:u:65:THR:HG21	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:B:287:ALA:HB2	14:B:820:CLA:HBC2	1.95	0.48
2:a:95:GLY:HA3	2:a:148:TRP:CH2	2.49	0.48
18:a:850:LHG:H102	18:a:850:LHG:H131	1.65	0.48
20:x:1702:SQD:H331	20:x:1702:SQD:H362	1.55	0.48
11:V:34:SER:HB2	12:W:111:LEU:HD21	1.96	0.48
2:g:127:LEU:HD11	14:g:807:CLA:HBC3	1.95	0.48
14:g:824:CLA:H2	14:g:824:CLA:H62	1.67	0.48
4:n:174:ARG:HB2	14:n:813:CLA:HBC2	1.96	0.48
4:n:471:HIS:NE2	14:n:833:CLA:NA	2.61	0.48
8:s:30:PRO:HB2	8:s:33:GLU:HG2	1.96	0.48
14:A:831:CLA:H51	12:L:47:ILE:HD11	1.95	0.48
4:B:167:TRP:CZ2	14:B:812:CLA:HHB	2.49	0.48
4:B:446:VAL:HG21	14:B:833:CLA:HAC2	1.96	0.48
4:B:565:PRO:HB3	4:B:709:ILE:HD12	1.94	0.48
2:a:201:HIS:O	2:a:205:LEU:HB3	2.14	0.48
2:a:679:VAL:HG11	2:a:734:LEU:HD23	1.95	0.48
14:b:825:CLA:H71	14:b:827:CLA:H42	1.96	0.48
14:l:204:CLA:H3A	14:l:204:CLA:HBA1	1.57	0.48
2:G:220:VAL:HG13	2:G:240:PRO:HB3	1.95	0.48
14:G:822:CLA:H3A	14:G:822:CLA:HBA2	1.64	0.48
4:N:136:TYR:HE1	13:Y:12:ALA:HB2	1.78	0.48
4:N:446:VAL:HG21	14:N:834:CLA:HAC2	1.96	0.48
14:N:830:CLA:H3A	14:N:830:CLA:HBA2	1.52	0.48
2:g:458:HIS:CE1	14:g:832:CLA:NA	2.82	0.48
14:g:833:CLA:H2	17:g:847:BCR:H381	1.95	0.48
4:n:436:HIS:HB2	17:n:851:BCR:HC42	1.96	0.48
2:A:142:SER:HA	14:A:827:CLA:HMA2	1.95	0.48
2:A:410:ALA:O	2:A:414:VAL:HG22	2.14	0.48
14:A:838:CLA:H52	17:A:848:BCR:H14C	1.95	0.48
4:B:276:HIS:O	4:B:280:ILE:HG12	2.14	0.48
20:B:801:SQD:H131	20:B:801:SQD:H161	1.58	0.48
10:K:29:VAL:HA	10:K:32:ILE:HG22	1.95	0.48
14:a:826:CLA:H92	14:a:826:CLA:H41	1.96	0.48
2:g:36:ASP:HB3	2:g:39:LEU:HD12	1.95	0.48
2:g:442:ASN:O	2:g:446:ILE:HG13	2.14	0.48
4:n:12:LEU:HD22	4:n:20:ARG:HA	1.96	0.48
11:v:37:PHE:HB2	17:w:206:BCR:H12C	1.96	0.48
2:A:438:ILE:HG13	2:A:556:PHE:HE2	1.78	0.48
4:B:599:PHE:HB3	4:B:626:TRP:HZ3	1.78	0.48
2:a:53:HIS:CE1	14:a:801:CLA:ND	2.81	0.48
2:a:739:THR:HG21	19:a:851:CL0:H6	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:a:836:CLA:H111	14:a:836:CLA:H152	1.46	0.48
4:b:694:ILE:HD11	12:l:47:ILE:HD12	1.96	0.48
1:1:228:LEU:HD11	13:m:11:ILE:HD11	1.96	0.47
2:G:658:VAL:HG22	2:G:670:GLY:HA2	1.95	0.47
14:N:831:CLA:H142	21:N:850:LMG:H221	1.96	0.47
14:g:826:CLA:H41	14:g:826:CLA:H61	1.65	0.47
4:B:319:PHE:CD2	14:B:823:CLA:HAB	2.49	0.47
5:C:62:PHE:CG	5:C:62:PHE:O	2.66	0.47
4:b:156:HIS:HE1	14:b:812:CLA:NA	2.11	0.47
14:b:802:CLA:HAC2	17:b:848:BCR:H381	1.95	0.47
14:N:826:CLA:H71	14:N:828:CLA:H42	1.97	0.47
14:N:839:CLA:H93	14:N:840:CLA:HBC1	1.95	0.47
4:n:711:GLN:HB2	21:n:848:LMG:H111	1.95	0.47
14:n:804:CLA:H143	14:n:840:CLA:H18	1.95	0.47
10:u:34:PHE:O	10:u:38:THR:HG23	2.13	0.47
2:A:86:ILE:HG12	2:A:170:ALA:HB1	1.96	0.47
2:A:180:HIS:CE1	14:A:809:CLA:NA	2.82	0.47
2:A:622:VAL:HG22	2:A:628:VAL:HG22	1.95	0.47
4:B:29:ASN:HD21	14:B:805:CLA:C1C	2.27	0.47
4:B:698:VAL:HG11	17:I:103:BCR:H371	1.96	0.47
14:B:827:CLA:H72	14:B:827:CLA:H111	1.46	0.47
2:a:216:HIS:HB2	14:a:812:CLA:CHC	2.44	0.47
2:a:267:LEU:HD21	10:k:74:VAL:HG22	1.95	0.47
2:a:393:HIS:HE2	14:a:827:CLA:C1B	2.27	0.47
20:x:1702:SQD:H121	14:b:831:CLA:H43	1.96	0.47
14:b:833:CLA:HBB2	17:b:850:BCR:HC31	1.94	0.47
17:b:852:BCR:H383	14:j:102:CLA:C2D	2.44	0.47
2:G:149:ARG:HH22	2:G:379:TYR:HE2	1.63	0.47
4:N:334:LEU:HD21	14:N:807:CLA:H192	1.96	0.47
4:N:656:MET:HE2	17:N:849:BCR:H333	1.95	0.47
2:g:622:VAL:HG22	2:g:628:VAL:HG22	1.95	0.47
2:A:705:HIS:NE2	14:A:854:CLA:NB	2.62	0.47
2:A:738:ALA:HB2	17:A:849:BCR:H322	1.96	0.47
14:B:809:CLA:H202	14:B:828:CLA:H192	1.96	0.47
14:b:808:CLA:HMB2	17:i:101:BCR:H313	1.96	0.47
20:l:201:SQD:H131	20:l:201:SQD:H162	1.60	0.47
2:G:374:MET:SD	14:G:817:CLA:HBD	2.54	0.47
2:G:410:ALA:O	2:G:414:VAL:HG23	2.15	0.47
14:G:803:CLA:HBA1	14:G:803:CLA:H3A	1.61	0.47
17:G:845:BCR:H341	17:G:845:BCR:H11C	1.79	0.47
19:G:851:CL0:H2	19:G:851:CL0:H15	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:g:430:VAL:HA	2:g:433:HIS:CE1	2.49	0.47
14:g:804:CLA:H41	14:g:828:CLA:H92	1.95	0.47
8:s:31:CYS:HB2	8:s:62:SER:HA	1.96	0.47
4:B:80:ASP:HB3	4:B:84:VAL:HG23	1.97	0.47
2:a:624:ALA:HB3	2:a:627:ASN:HD21	1.78	0.47
14:a:807:CLA:H112	14:a:807:CLA:H152	1.67	0.47
14:b:814:CLA:H172	17:b:844:BCR:H271	1.96	0.47
14:b:827:CLA:H161	17:b:847:BCR:H17C	1.97	0.47
5:c:77:MET:HE3	5:c:77:MET:HB3	1.81	0.47
2:G:463:ARG:HD2	4:N:642:TYR:HD2	1.79	0.47
2:G:535:ILE:HG13	2:G:539:HIS:CE1	2.50	0.47
14:N:807:CLA:HBA1	14:N:807:CLA:H3A	1.39	0.47
2:g:648:ARG:O	2:g:652:TRP:HB3	2.14	0.47
14:g:830:CLA:H111	14:g:830:CLA:H151	1.54	0.47
14:g:852:CLA:H91	14:g:852:CLA:H111	1.71	0.47
2:A:394:HIS:NE2	14:A:828:CLA:ND	2.62	0.47
4:B:305:MET:HE2	4:B:323:HIS:HB3	1.95	0.47
4:B:355:HIS:CE1	14:B:827:CLA:NB	2.83	0.47
4:b:652:VAL:HG21	14:b:809:CLA:HAC1	1.97	0.47
4:b:669:MET:CG	14:b:805:CLA:NC	2.69	0.47
2:G:310:HIS:CE1	17:G:843:BCR:H363	2.49	0.47
2:G:453:PHE:CE1	14:G:801:CLA:HHB	2.49	0.47
14:G:820:CLA:HBB1	14:G:820:CLA:HMB3	1.97	0.47
17:G:844:BCR:H372	17:G:845:BCR:H312	1.95	0.47
4:N:693:PRO:C	4:N:695:ALA:H	2.22	0.47
2:g:334:THR:HA	14:g:829:CLA:OBD	2.14	0.47
17:g:846:BCR:H351	17:g:846:BCR:H15C	1.58	0.47
4:n:663:VAL:HG22	14:n:840:CLA:HMB3	1.97	0.47
4:n:717:LEU:O	4:n:721:THR:HG23	2.13	0.47
2:A:408:HIS:HE1	14:A:829:CLA:C4A	2.28	0.47
14:A:820:CLA:NB	14:A:826:CLA:H122	2.29	0.47
2:a:216:HIS:CE1	14:a:812:CLA:NA	2.82	0.47
14:a:816:CLA:HBC1	14:a:819:CLA:H18	1.96	0.47
14:a:826:CLA:H192	17:j:103:BCR:H14C	1.97	0.47
17:a:844:BCR:H15C	17:a:844:BCR:H351	1.78	0.47
4:b:434:GLY:HA2	4:b:532:LEU:HD22	1.97	0.47
2:G:539:HIS:HE1	2:G:609:HIS:ND1	2.12	0.47
2:G:677:HIS:NE2	19:G:851:CL0:NA	2.62	0.47
14:G:834:CLA:H62	14:U:102:CLA:H43	1.96	0.47
4:N:426:LEU:HD11	4:N:538:THR:HG22	1.95	0.47
14:N:814:CLA:H3A	14:N:814:CLA:HBA2	1.57	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:V:101:BCR:H341	17:V:101:BCR:H11C	1.70	0.47
12:W:50:LEU:HD13	14:W:203:CLA:HBD	1.96	0.47
2:g:94:HIS:CE1	14:g:805:CLA:NA	2.82	0.47
2:g:119:TRP:CD2	14:g:807:CLA:HED2	2.49	0.47
2:g:263:PRO:HB3	2:g:268:ASN:HB3	1.96	0.47
2:g:363:LEU:HD11	14:g:817:CLA:H72	1.95	0.47
14:g:806:CLA:HBB1	17:t:103:BCR:H363	1.96	0.47
14:n:815:CLA:H42	17:n:842:BCR:HC31	1.95	0.47
14:n:818:CLA:H3A	14:n:818:CLA:HBA2	1.45	0.47
2:A:75:ALA:HB2	2:A:181:TYR:HB2	1.97	0.47
2:A:374:MET:HE2	2:A:506:VAL:HG22	1.97	0.47
2:A:441:LEU:HD21	2:A:547:VAL:HG12	1.96	0.47
14:A:854:CLA:H193	8:F:103:VAL:HG12	1.95	0.47
4:B:436:HIS:HB2	17:B:852:BCR:HC42	1.96	0.47
4:B:476:TYR:HD1	8:F:26:ALA:H	1.63	0.47
4:B:488:VAL:HG23	4:B:493:TYR:HB3	1.97	0.47
14:B:805:CLA:H91	17:M:101:BCR:H12C	1.96	0.47
14:B:809:CLA:O1A	14:B:828:CLA:HBD	2.15	0.47
13:M:27:ALA:HB2	17:M:101:BCR:H332	1.96	0.47
2:a:506:VAL:HG13	14:a:816:CLA:HBA2	1.97	0.47
14:a:831:CLA:H93	14:b:841:CLA:H171	1.96	0.47
3:x:18:TYR:HB3	3:x:21:ARG:HD2	1.97	0.47
4:b:663:VAL:HG13	4:b:719:HIS:HD2	1.78	0.47
4:b:669:MET:HB2	14:b:805:CLA:CHC	2.44	0.47
17:b:852:BCR:H21C	9:j:43:LEU:HD22	1.97	0.47
2:G:202:LEU:HA	2:G:206:LEU:HD12	1.96	0.47
2:G:408:HIS:HA	2:G:411:ILE:HD12	1.95	0.47
14:G:804:CLA:H143	17:G:844:BCR:HC41	1.96	0.47
14:G:831:CLA:H62	14:G:831:CLA:H41	1.81	0.47
4:n:26:ALA:HA	14:n:829:CLA:H43	1.97	0.47
4:n:719:HIS:CE1	14:n:840:CLA:ND	2.82	0.47
14:A:825:CLA:CHB	14:A:838:CLA:HAA2	2.45	0.47
14:A:835:CLA:H3A	14:A:835:CLA:HBA2	1.58	0.47
14:B:833:CLA:H2	17:B:851:BCR:H333	1.97	0.47
14:B:833:CLA:H93	14:B:833:CLA:H62	1.78	0.47
8:F:76:VAL:HG12	8:F:86:PHE:HB2	1.96	0.47
10:K:51:ALA:HA	10:K:54:PHE:HD2	1.80	0.47
14:a:802:CLA:H62	14:a:807:CLA:H201	1.97	0.47
14:a:805:CLA:H42	14:j:101:CLA:HAC1	1.97	0.47
14:a:854:CLA:HHC	10:k:76:LEU:HD23	1.97	0.47
4:b:193:HIS:HB2	14:b:815:CLA:C1C	2.45	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:b:355:HIS:HE1	14:b:827:CLA:C1B	2.28	0.47
8:f:88:ILE:HD12	14:j:102:CLA:HMB3	1.97	0.47
2:G:393:HIS:CE1	14:G:827:CLA:ND	2.83	0.47
2:G:719:LEU:HB3	2:G:723:GLN:HG2	1.97	0.47
4:n:322:PRO:HB2	4:n:410:ASN:HA	1.97	0.47
14:n:804:CLA:H143	14:n:804:CLA:H111	1.71	0.47
14:n:808:CLA:HAB	14:n:809:CLA:HBA1	1.96	0.47
14:n:810:CLA:H91	14:n:810:CLA:H112	1.77	0.47
2:A:330:LYS:HA	2:A:337:GLY:HA3	1.96	0.47
4:B:195:ILE:HA	4:B:199:ILE:HD12	1.97	0.47
4:B:584:TYR:HD1	4:B:717:LEU:HD22	1.80	0.47
4:B:594:VAL:HA	4:B:597:VAL:HG12	1.96	0.47
17:B:847:BCR:H11C	17:B:847:BCR:H341	1.75	0.47
5:C:15:THR:HG22	5:C:28:MET:HE3	1.97	0.47
6:D:119:SER:HB3	6:D:122:GLU:HG3	1.96	0.47
7:E:8:VAL:HG11	7:E:58:LEU:HD23	1.95	0.47
2:a:552:LYS:HE3	4:b:677:TYR:CE1	2.50	0.47
14:a:853:CLA:H91	14:b:805:CLA:H121	1.97	0.47
4:b:436:HIS:CE1	14:b:833:CLA:ND	2.83	0.47
2:G:486:TRP:CE2	2:G:490:LEU:HD11	2.50	0.47
4:N:596:TRP:CD1	14:N:804:CLA:H122	2.50	0.47
4:N:694:ILE:HD12	14:W:203:CLA:H42	1.96	0.47
4:n:5:PHE:CD2	11:v:40:ILE:HG22	2.50	0.47
4:n:276:HIS:CE1	14:n:817:CLA:ND	2.82	0.47
2:A:28:LYS:HB3	14:A:810:CLA:HAA2	1.95	0.47
2:A:458:HIS:CE1	14:A:833:CLA:NA	2.83	0.47
14:A:830:CLA:H12	12:L:37:VAL:HG23	1.95	0.47
18:A:851:LHG:H302	18:A:851:LHG:H271	1.78	0.47
2:a:329:HIS:HE1	14:a:821:CLA:C4D	2.28	0.47
14:a:821:CLA:HBA2	14:a:821:CLA:H3A	1.44	0.47
14:b:811:CLA:HBA1	12:l:83:PRO:HG2	1.97	0.47
2:G:393:HIS:HE2	14:G:828:CLA:C1B	2.28	0.46
4:N:50:HIS:HE1	14:N:807:CLA:H161	1.80	0.46
8:S:111:ILE:HG22	8:S:128:ILE:HD11	1.96	0.46
2:g:264:PHE:HZ	17:g:843:BCR:H343	1.78	0.46
2:g:267:LEU:HG	10:u:77:VAL:HG21	1.96	0.46
2:g:521:VAL:HG22	2:g:622:VAL:HG23	1.98	0.46
4:n:284:PHE:CE1	14:n:819:CLA:HAB	2.50	0.46
14:n:808:CLA:H112	14:n:827:CLA:H93	1.96	0.46
7:r:27:VAL:HG12	7:r:29:GLN:OE1	2.15	0.46
2:A:77:HIS:NE2	14:A:804:CLA:ND	2.63	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:A:108:PRO:HG3	2:A:149:ARG:HH12	1.80	0.46
14:B:806:CLA:H202	14:B:806:CLA:H161	1.77	0.46
2:a:374:MET:SD	14:a:816:CLA:HBD	2.56	0.46
2:a:408:HIS:HA	2:a:411:ILE:HD12	1.97	0.46
14:a:803:CLA:HBA1	14:a:811:CLA:HBA1	1.98	0.46
4:b:275:HIS:HB3	14:b:818:CLA:HMB2	1.96	0.46
4:b:417:GLN:HA	8:f:164:ARG:HE	1.79	0.46
2:G:94:HIS:CE1	14:G:806:CLA:NA	2.83	0.46
2:G:694:TRP:O	2:G:698:ILE:HG12	2.15	0.46
14:N:812:CLA:H8	17:W:201:BCR:H281	1.98	0.46
14:N:820:CLA:H3A	14:N:820:CLA:HBA2	1.43	0.46
2:g:224:ILE:O	2:g:228:MET:HG3	2.14	0.46
14:g:801:CLA:H2	14:g:801:CLA:HED2	1.96	0.46
14:g:807:CLA:H122	17:t:103:BCR:H272	1.97	0.46
4:n:432:PHE:CZ	17:n:851:BCR:HC41	2.50	0.46
17:n:846:BCR:H11C	17:n:846:BCR:H341	1.74	0.46
2:A:282:LEU:HD21	2:A:375:PRO:HD2	1.96	0.46
2:A:297:HIS:HB2	14:A:817:CLA:C1B	2.45	0.46
2:A:372:TYR:CZ	14:A:836:CLA:HBC3	2.50	0.46
14:A:811:CLA:H91	14:A:811:CLA:H112	1.66	0.46
14:X:1701:CLA:HBA1	14:X:1701:CLA:H3A	1.50	0.46
14:B:807:CLA:H111	14:B:807:CLA:H151	1.78	0.46
14:B:807:CLA:HBA1	14:B:807:CLA:H11	1.38	0.46
17:I:102:BCR:H393	14:L:1502:CLA:H51	1.98	0.46
2:a:388:LEU:HD23	2:a:748:ILE:HG21	1.97	0.46
14:b:806:CLA:H62	14:b:814:CLA:H62	1.96	0.46
2:G:53:HIS:CE1	14:G:802:CLA:ND	2.82	0.46
4:n:276:HIS:HB2	14:n:817:CLA:C1B	2.45	0.46
2:A:121:ILE:O	2:A:124:GLN:HG2	2.15	0.46
2:A:318:ILE:HD12	10:K:64:ALA:HB2	1.98	0.46
14:A:830:CLA:HAB	14:A:838:CLA:HBB2	1.98	0.46
4:B:257:PHE:CE2	14:B:818:CLA:HBB1	2.50	0.46
4:B:638:LEU:HD22	4:B:731:PHE:HA	1.96	0.46
14:B:821:CLA:HBA2	14:B:821:CLA:H3A	1.44	0.46
17:B:844:BCR:H11C	17:B:844:BCR:H341	1.84	0.46
14:a:839:CLA:H192	14:f:202:CLA:HBB1	1.97	0.46
18:a:850:LHG:H342	18:a:850:LHG:H132	1.97	0.46
10:k:14:LEU:HB2	10:k:81:HIS:CD2	2.50	0.46
18:m:101:LHG:H192	18:m:101:LHG:H311	1.96	0.46
2:G:239:LEU:HB2	2:G:242:GLU:HG3	1.97	0.46
2:G:442:ASN:ND2	4:N:685:LEU:HD21	2.30	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:N:814:CLA:H93	17:N:845:BCR:H311	1.97	0.46
2:g:204:VAL:HG12	17:g:845:BCR:H352	1.96	0.46
14:g:827:CLA:H2	17:g:845:BCR:H24C	1.96	0.46
8:s:76:VAL:HG12	8:s:86:PHE:HB2	1.98	0.46
9:t:17:THR:HG22	9:t:19:PRO:HD2	1.97	0.46
17:w:201:BCR:H15C	17:w:201:BCR:H351	1.79	0.46
2:A:458:HIS:HE1	14:A:833:CLA:C1A	2.28	0.46
14:A:827:CLA:H162	14:A:827:CLA:H141	1.67	0.46
14:A:841:CLA:NB	18:A:851:LHG:O4	2.48	0.46
17:A:856:BCR:H403	9:J:23:THR:HG21	1.97	0.46
12:L:49:ASN:HB3	14:L:1501:CLA:HAC1	1.96	0.46
2:a:393:HIS:CE1	14:a:826:CLA:ND	2.84	0.46
2:a:535:ILE:HG12	2:a:609:HIS:CG	2.50	0.46
2:a:731:HIS:NE2	14:a:839:CLA:NB	2.64	0.46
14:a:821:CLA:HBC1	14:a:825:CLA:H141	1.96	0.46
14:a:838:CLA:C1B	14:b:833:CLA:H41	2.45	0.46
17:a:843:BCR:H11C	17:a:843:BCR:H341	1.70	0.46
4:b:62:SER:HB2	4:b:142:LEU:HB3	1.97	0.46
4:b:275:HIS:CE1	14:b:817:CLA:NA	2.84	0.46
4:b:343:ALA:HB2	17:b:847:BCR:H372	1.98	0.46
14:b:832:CLA:HMB1	14:b:832:CLA:HBB1	1.98	0.46
1:1:207:ASP:HB3	14:b:812:CLA:OBD	2.15	0.46
2:G:218:ILE:HD11	2:G:276:LEU:HD21	1.96	0.46
2:G:719:LEU:HD21	15:G:841:PQN:H152	1.98	0.46
14:G:852:CLA:HMA2	17:N:852:BCR:H403	1.98	0.46
4:N:453:PRO:O	4:N:456:GLN:HB2	2.15	0.46
4:N:534:LEU:HD12	14:N:827:CLA:C4C	2.45	0.46
13:Y:16:ALA:C	13:Y:19:PRO:HD2	2.41	0.46
2:g:408:HIS:HA	2:g:411:ILE:HD12	1.97	0.46
14:g:837:CLA:H102	14:g:837:CLA:H61	1.52	0.46
14:n:813:CLA:HBB1	14:n:813:CLA:HMB3	1.98	0.46
17:n:846:BCR:H15C	17:n:846:BCR:H351	1.70	0.46
17:w:207:BCR:H351	17:w:207:BCR:H15C	1.78	0.46
14:A:801:CLA:HBB1	14:A:801:CLA:HMB3	1.98	0.46
4:B:276:HIS:HB2	14:B:818:CLA:CHB	2.46	0.46
11:I:34:SER:HB3	12:L:111:LEU:HD21	1.97	0.46
2:a:204:VAL:CB	14:a:811:CLA:HAB	2.45	0.46
2:a:305:PHE:HZ	14:a:817:CLA:H121	1.80	0.46
2:a:373:ALA:HB1	14:a:825:CLA:HMC2	1.96	0.46
4:N:319:PHE:HB2	14:N:825:CLA:HMA3	1.98	0.46
14:N:819:CLA:H161	14:N:819:CLA:H121	1.65	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:g:217:LEU:HA	2:g:221:SER:HB2	1.98	0.46
4:n:355:HIS:CE1	14:n:826:CLA:NB	2.83	0.46
14:n:813:CLA:H51	14:n:818:CLA:HBC3	1.98	0.46
14:n:850:CLA:H41	14:n:850:CLA:H62	1.67	0.46
17:A:847:BCR:H15C	17:A:847:BCR:H351	1.67	0.46
14:A:855:CLA:CBB	4:B:665:ALA:CB	2.81	0.46
4:B:191:ALA:O	4:B:195:ILE:HG13	2.15	0.46
2:a:202:LEU:HD23	2:a:206:LEU:HD12	1.98	0.46
4:b:584:TYR:HD1	4:b:717:LEU:HD22	1.81	0.46
4:b:710:VAL:O	4:b:714:VAL:HG23	2.16	0.46
14:b:826:CLA:HBA2	14:b:826:CLA:H3A	1.55	0.46
17:b:852:BCR:H24C	14:j:102:CLA:HBC3	1.97	0.46
17:j:103:BCR:H11C	17:j:103:BCR:H341	1.74	0.46
3:H:27:LEU:HD22	21:N:802:LMG:H181	1.97	0.46
4:N:44:GLN:NE2	4:N:162:ARG:HB3	2.31	0.46
4:N:410:ASN:O	4:N:414:ARG:HG3	2.16	0.46
4:N:442:VAL:HB	14:N:834:CLA:HMC2	1.97	0.46
14:g:817:CLA:HAB	14:g:817:CLA:H8	1.97	0.46
14:g:837:CLA:H101	17:g:846:BCR:H353	1.98	0.46
4:n:268:LEU:HD22	14:n:817:CLA:HBA1	1.97	0.46
4:n:384:ILE:HG21	4:n:594:VAL:HB	1.97	0.46
14:n:812:CLA:HBA2	14:n:812:CLA:H3A	1.46	0.46
17:s:203:BCR:H11C	17:s:203:BCR:H341	1.76	0.46
14:A:804:CLA:H62	14:A:804:CLA:H102	1.75	0.46
14:A:823:CLA:H3A	14:A:823:CLA:HBA1	1.65	0.46
4:B:398:LEU:HA	4:B:398:LEU:HD23	1.80	0.46
4:B:433:LEU:HD13	4:B:532:LEU:HA	1.97	0.46
4:B:602:HIS:CE1	4:B:732:LEU:HD12	2.51	0.46
14:B:817:CLA:C1D	14:B:818:CLA:HBB2	2.45	0.46
14:b:803:CLA:H112	14:b:803:CLA:H152	1.73	0.46
18:m:101:LHG:H112	18:m:101:LHG:H141	1.83	0.46
2:G:197:MET:HE3	2:G:197:MET:HB2	1.78	0.46
3:H:42:ILE:HG22	3:H:43:ILE:HD12	1.98	0.46
14:N:821:CLA:HAA2	14:N:826:CLA:HAB	1.97	0.46
2:g:715:GLN:OE1	7:r:42:LYS:HD2	2.16	0.46
14:n:805:CLA:HBA1	14:n:805:CLA:H3A	1.48	0.46
14:B:813:CLA:H62	14:B:813:CLA:H2	1.66	0.46
2:a:53:HIS:HE1	14:a:801:CLA:C4D	2.28	0.46
17:a:844:BCR:H372	17:a:845:BCR:H312	1.96	0.46
4:b:39:GLU:HB3	4:b:165:LEU:HD11	1.98	0.46
4:b:440:LEU:HD22	4:b:457:ILE:HD12	1.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:b:659:PHE:O	4:b:663:VAL:HG23	2.15	0.46
17:b:843:BCR:H351	17:b:843:BCR:H15C	1.77	0.46
2:G:109:LEU:HD22	2:G:518:GLY:HA3	1.97	0.46
2:G:296:HIS:HE1	14:G:816:CLA:C4D	2.29	0.46
14:N:806:CLA:HMA2	13:Y:30:LEU:HD22	1.97	0.46
14:N:808:CLA:H11	14:N:808:CLA:HBA1	1.71	0.46
14:g:830:CLA:HBB1	14:g:854:CLA:HAA2	1.98	0.46
2:A:216:HIS:HB2	14:A:813:CLA:CHC	2.46	0.46
14:A:854:CLA:H92	14:A:854:CLA:H61	1.76	0.46
4:B:445:ASP:OD2	14:B:803:CLA:H2	2.16	0.46
14:a:802:CLA:HMA2	14:a:809:CLA:HMD1	1.97	0.46
14:a:803:CLA:H172	14:a:811:CLA:H62	1.97	0.46
14:a:838:CLA:HBC1	15:a:841:PQN:H212	1.98	0.46
3:x:28:LEU:HD22	14:b:837:CLA:H141	1.98	0.46
2:G:215:GLY:HA3	14:G:814:CLA:HAB	1.97	0.46
2:G:389:CYS:HB3	14:G:827:CLA:HMA1	1.98	0.46
14:G:804:CLA:H71	17:G:845:BCR:H23C	1.98	0.46
11:V:26:TRP:CZ2	17:W:201:BCR:H292	2.51	0.46
14:W:203:CLA:HAC2	17:W:205:BCR:C25	2.46	0.46
2:g:375:PRO:HG2	2:g:381:ALA:HB2	1.98	0.46
17:n:851:BCR:H383	14:t:102:CLA:C2D	2.46	0.46
17:t:104:BCR:H11C	17:t:104:BCR:H341	1.84	0.46
4:B:534:LEU:HD23	4:B:593:THR:HG21	1.98	0.46
4:B:600:TYR:HA	4:B:626:TRP:HH2	1.80	0.46
4:N:122:HIS:HB2	4:N:365:ILE:HD12	1.97	0.45
4:N:443:HIS:CD2	4:N:457:ILE:HG13	2.51	0.45
4:N:551:SER:HA	8:S:162:SER:HB2	1.97	0.45
14:N:804:CLA:O2D	14:N:804:CLA:H2A	2.15	0.45
17:N:844:BCR:H351	17:N:844:BCR:H15C	1.75	0.45
8:S:164:ARG:HD3	8:S:164:ARG:HA	1.59	0.45
9:T:48:LEU:HD13	9:T:49:PRO:HD2	1.97	0.45
14:g:820:CLA:HMD1	17:g:843:BCR:H371	1.98	0.45
4:n:129:MET:HE3	4:n:135:LEU:HD23	1.98	0.45
4:n:657:PHE:CE1	4:n:731:PHE:HB2	2.50	0.45
2:A:87:TRP:O	2:A:91:MET:HG2	2.16	0.45
2:A:176:ALA:HB2	14:A:809:CLA:HBC2	1.97	0.45
4:B:601:TRP:CD1	14:B:837:CLA:HBC2	2.51	0.45
4:b:470:ALA:O	4:b:482:LEU:HB2	2.16	0.45
14:b:831:CLA:H41	14:b:831:CLA:H93	1.98	0.45
17:b:846:BCR:H24C	17:b:847:BCR:H21C	1.97	0.45
2:G:77:HIS:CD2	14:G:804:CLA:NA	2.84	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:N:434:GLY:HA2	4:N:532:LEU:HD22	1.99	0.45
14:N:842:CLA:H11	15:N:843:PQN:H271	1.98	0.45
6:Q:70:GLY:O	6:Q:74:ARG:HG2	2.16	0.45
2:A:358:ALA:HB1	17:A:848:BCR:H343	1.98	0.45
2:A:408:HIS:CE1	14:A:829:CLA:NA	2.84	0.45
21:B:802:LMG:H302	14:B:823:CLA:HBB1	1.97	0.45
14:B:825:CLA:H71	14:B:827:CLA:H42	1.98	0.45
2:a:296:HIS:HE1	14:a:815:CLA:C4D	2.29	0.45
2:a:329:HIS:CE1	14:a:821:CLA:ND	2.85	0.45
2:a:641:ILE:HG13	2:a:642:THR:HG23	1.98	0.45
14:a:831:CLA:H51	14:b:802:CLA:HBC2	1.98	0.45
14:a:831:CLA:HAA1	17:i:102:BCR:H363	1.97	0.45
3:x:34:LEU:HG	3:x:38:TYR:HE2	1.81	0.45
4:b:26:ALA:HA	14:b:830:CLA:H43	1.99	0.45
4:b:435:PHE:HZ	17:b:850:BCR:H372	1.81	0.45
14:b:820:CLA:HAA2	14:b:825:CLA:HAB	1.98	0.45
14:G:819:CLA:HBA2	14:G:819:CLA:H3A	1.51	0.45
14:G:820:CLA:H112	14:G:820:CLA:H91	1.67	0.45
4:N:534:LEU:CD1	14:N:827:CLA:C4C	2.87	0.45
14:g:807:CLA:CBB	17:t:103:BCR:HC8	2.38	0.45
4:n:619:ASN:O	4:n:625:GLY:HA3	2.16	0.45
14:A:832:CLA:HBB2	12:L:81:LEU:HD13	1.99	0.45
4:B:340:TRP:HE1	14:B:825:CLA:HMB2	1.81	0.45
2:a:32:PRO:HB2	2:a:48:TRP:HH2	1.81	0.45
2:a:310:HIS:CE1	17:a:843:BCR:H363	2.52	0.45
4:b:334:LEU:HD13	14:b:806:CLA:HAC1	1.97	0.45
4:b:355:HIS:HE1	14:b:827:CLA:NB	2.11	0.45
2:G:338:HIS:NE2	14:G:823:CLA:ND	2.64	0.45
14:G:808:CLA:HHB	9:T:34:ILE:HD11	1.97	0.45
4:N:29:ASN:HD21	14:N:806:CLA:C4B	2.29	0.45
14:N:829:CLA:O1D	14:N:830:CLA:HHB	2.17	0.45
14:N:851:CLA:HBB1	17:N:852:BCR:H323	1.97	0.45
14:n:816:CLA:C1D	14:n:817:CLA:HBB2	2.46	0.45
14:n:826:CLA:H13	17:n:846:BCR:H351	1.98	0.45
14:A:806:CLA:H61	14:A:808:CLA:H93	1.97	0.45
14:A:832:CLA:H2	14:A:832:CLA:H62	1.74	0.45
14:B:805:CLA:HBA2	13:M:31:TYR:HB2	1.98	0.45
5:C:18:VAL:HG22	5:C:26:LEU:HB2	1.99	0.45
12:L:73:PHE:HZ	14:L:1502:CLA:HBB1	1.82	0.45
2:a:430:VAL:HA	2:a:433:HIS:CE1	2.51	0.45
2:a:685:MET:CB	14:a:852:CLA:C1C	2.94	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:x:1701:CLA:HBA2	17:f:203:BCR:H393	1.97	0.45
4:b:152:ALA:HB2	14:b:812:CLA:HBC2	1.98	0.45
4:b:533:GLY:HA2	4:b:589:TRP:CZ3	2.51	0.45
4:b:675:ARG:HG3	15:b:842:PQN:H7	1.97	0.45
14:G:808:CLA:H102	14:G:808:CLA:H13	1.54	0.45
14:G:820:CLA:H61	14:G:820:CLA:H92	1.74	0.45
14:N:809:CLA:H92	14:N:809:CLA:HMC1	1.98	0.45
17:U:103:BCR:H351	17:U:103:BCR:H15C	1.77	0.45
2:g:544:HIS:NE2	14:g:837:CLA:NA	2.65	0.45
4:n:647:VAL:HG13	4:n:651:SER:HB2	1.99	0.45
4:n:664:TRP:CZ3	14:n:803:CLA:HHB	2.52	0.45
14:n:802:CLA:H61	14:n:802:CLA:H41	1.69	0.45
14:n:807:CLA:H91	14:n:807:CLA:H111	1.75	0.45
14:n:840:CLA:H161	17:v:101:BCR:H382	1.98	0.45
10:u:80:LEU:HB3	10:u:85:ARG:HB2	1.98	0.45
17:A:844:BCR:H11C	17:A:844:BCR:H341	1.67	0.45
4:B:29:ASN:HD21	14:B:805:CLA:CHC	2.30	0.45
2:a:119:TRP:CD2	14:a:807:CLA:HED3	2.52	0.45
4:b:148:LEU:HD11	20:b:801:SQD:H162	1.97	0.45
14:b:823:CLA:H2A	14:b:823:CLA:O1D	2.17	0.45
14:b:838:CLA:H2	14:b:838:CLA:H62	1.64	0.45
2:G:356:ASN:O	2:G:360:LEU:HB2	2.17	0.45
2:G:659:ILE:HA	4:N:624:MET:CE	2.47	0.45
14:G:838:CLA:H43	18:G:850:LHG:H161	1.99	0.45
4:N:195:ILE:HA	4:N:199:ILE:HD12	1.98	0.45
4:N:537:THR:HA	4:N:540:ILE:HD12	1.98	0.45
8:S:139:TRP:CD1	8:S:140:PRO:HD3	2.52	0.45
12:W:161:THR:HG23	14:W:204:CLA:HED2	1.97	0.45
2:g:216:HIS:HB2	14:g:812:CLA:CHC	2.47	0.45
2:g:427:LEU:HD23	14:g:837:CLA:H201	1.98	0.45
2:g:721:ILE:O	2:g:725:ARG:HG3	2.16	0.45
14:g:826:CLA:HBB1	14:g:826:CLA:HMB1	1.99	0.45
4:n:669:MET:HB2	14:n:804:CLA:C2C	2.46	0.45
14:n:829:CLA:H141	14:n:829:CLA:H161	1.65	0.45
14:n:832:CLA:H2	14:n:832:CLA:H62	1.71	0.45
10:u:54:PHE:N	10:u:54:PHE:CD1	2.84	0.45
2:A:45:THR:HB	2:A:717:ARG:HG3	1.97	0.45
2:A:305:PHE:CE1	14:A:820:CLA:HAB	2.51	0.45
17:A:845:BCR:H20C	17:A:845:BCR:H361	1.84	0.45
2:a:176:ALA:HB2	14:a:808:CLA:HBC2	1.98	0.45
2:a:305:PHE:HE1	14:a:819:CLA:HHC	1.81	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:a:815:CLA:H12	10:k:78:LEU:HD12	1.99	0.45
4:b:381:TYR:O	4:b:384:ILE:HG13	2.15	0.45
4:b:548:ALA:O	4:b:557:LYS:HB3	2.16	0.45
14:b:809:CLA:H202	14:b:828:CLA:H202	1.98	0.45
8:f:31:CYS:HB2	8:f:62:SER:HA	1.99	0.45
2:G:17:VAL:HG12	2:G:186:PRO:HA	1.99	0.45
2:G:353:LEU:O	2:G:357:LEU:HB2	2.17	0.45
2:G:524:MET:HE3	2:G:524:MET:HB2	1.78	0.45
2:G:675:GLY:O	2:G:679:VAL:HG23	2.17	0.45
14:G:812:CLA:H43	17:G:845:BCR:H19C	1.99	0.45
14:N:832:CLA:HAB	14:N:840:CLA:CBB	2.46	0.45
14:N:841:CLA:H112	14:N:842:CLA:H141	1.99	0.45
14:W:203:CLA:HAC2	17:W:205:BCR:C26	2.47	0.45
14:g:840:CLA:C3C	18:g:850:LHG:HC42	2.47	0.45
14:g:840:CLA:HMC3	17:g:846:BCR:H281	1.99	0.45
12:w:70:HIS:CE1	14:w:204:CLA:ND	2.84	0.45
12:w:95:LEU:HG	12:w:99:ILE:HD12	1.98	0.45
17:w:206:BCR:H15C	17:w:206:BCR:H351	1.74	0.45
2:A:119:TRP:CD2	14:A:808:CLA:HED3	2.52	0.45
2:A:322:ILE:HG21	14:A:824:CLA:HAC1	1.99	0.45
2:A:695:GLN:O	2:A:699:GLU:HG3	2.16	0.45
14:A:855:CLA:HMA2	17:B:848:BCR:H371	1.98	0.45
10:K:20:VAL:HG13	10:K:77:VAL:HG21	1.98	0.45
10:K:71:ILE:HG13	10:K:72:LEU:N	2.31	0.45
2:a:566:LYS:HD3	2:a:586:VAL:HG12	1.99	0.45
14:b:825:CLA:H141	14:b:825:CLA:H161	1.75	0.45
17:j:104:BCR:H11C	17:j:104:BCR:H341	1.64	0.45
2:G:216:HIS:ND1	14:G:813:CLA:NB	2.65	0.45
4:N:7:LYS:HE2	4:N:7:LYS:HB2	1.79	0.45
8:S:144:VAL:O	8:S:148:LEU:HD22	2.17	0.45
12:W:58:THR:HG21	12:w:141:ASN:HD21	1.81	0.45
2:g:731:HIS:CE1	14:g:839:CLA:NA	2.84	0.45
14:h:1701:CLA:HBA1	17:s:203:BCR:H382	1.97	0.45
14:n:817:CLA:HBA2	14:n:817:CLA:H3A	1.50	0.45
17:n:844:BCR:H371	17:n:844:BCR:H24C	1.71	0.45
17:n:849:BCR:H24C	17:n:849:BCR:H371	1.80	0.45
12:w:57:LEU:HD22	12:w:61:ARG:HG2	1.99	0.45
14:A:804:CLA:H193	17:A:845:BCR:H10C	1.98	0.45
14:A:830:CLA:H3A	14:A:831:CLA:OBD	2.17	0.45
15:A:842:PQN:H172	17:B:851:BCR:H382	1.98	0.45
2:a:219:HIS:NE2	14:a:813:CLA:NA	2.65	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:a:845:BCR:H15C	17:a:845:BCR:H351	1.75	0.45
4:b:176:ASN:ND2	4:b:291:TYR:HB2	2.28	0.45
14:b:853:CLA:H52	18:m:101:LHG:H262	1.99	0.45
2:G:247:LYS:O	2:G:251:ILE:HG12	2.16	0.45
14:G:832:CLA:H11	14:N:801:CLA:H43	1.99	0.45
4:N:66:PHE:HZ	13:Y:9:VAL:HG13	1.81	0.45
4:N:276:HIS:HB2	14:N:819:CLA:C1B	2.47	0.45
4:N:593:THR:O	4:N:597:VAL:HG12	2.17	0.45
2:g:442:ASN:HD22	4:n:685:LEU:HD21	1.82	0.45
14:g:827:CLA:H92	14:g:827:CLA:HMD1	1.99	0.45
4:n:446:VAL:HG21	14:n:850:CLA:HAC2	1.99	0.45
6:q:8:LYS:HB2	6:q:52:HIS:ND1	2.31	0.45
17:v:101:BCR:H11C	17:v:101:BCR:H341	1.87	0.45
12:w:95:LEU:HD22	12:w:158:TYR:CD1	2.52	0.45
12:w:137:GLU:N	12:w:137:GLU:OE1	2.49	0.45
17:y:101:BCR:H15C	17:y:101:BCR:H351	1.81	0.45
2:A:197:MET:HG2	14:A:824:CLA:HMD3	1.97	0.45
14:A:807:CLA:HBA2	14:A:807:CLA:H3A	1.55	0.45
14:X:1701:CLA:HBC3	14:B:839:CLA:HBC2	1.98	0.45
4:B:95:HIS:CE1	14:B:811:CLA:NB	2.85	0.45
4:B:199:ILE:CG2	4:B:203:ARG:HE	2.30	0.45
14:B:814:CLA:H62	14:B:814:CLA:H2	1.73	0.45
5:C:59:PRO:O	7:E:48:ILE:HD13	2.16	0.45
10:K:14:LEU:HD21	10:K:77:VAL:HG22	1.99	0.45
2:a:394:HIS:NE2	14:a:827:CLA:ND	2.64	0.45
2:a:408:HIS:HE1	14:a:828:CLA:NA	2.14	0.45
14:a:801:CLA:H13	9:j:26:LEU:HB3	1.99	0.45
14:a:803:CLA:H143	17:a:844:BCR:HC41	1.99	0.45
14:a:804:CLA:H62	14:a:804:CLA:H41	1.70	0.45
14:a:826:CLA:H41	14:a:826:CLA:H61	1.51	0.45
14:a:826:CLA:H71	14:a:826:CLA:H112	1.71	0.45
4:b:374:ALA:HB2	4:b:733:ILE:HD11	1.98	0.45
4:b:443:HIS:CD2	4:b:457:ILE:HG13	2.52	0.45
14:b:809:CLA:H92	17:b:848:BCR:H331	1.99	0.45
14:b:819:CLA:H8	14:b:819:CLA:HAB	1.97	0.45
1:1:214:VAL:HG13	20:b:801:SQD:C15	2.47	0.45
14:G:818:CLA:H8	14:G:818:CLA:HAB	1.99	0.45
4:N:58:PHE:HZ	17:N:845:BCR:H361	1.82	0.45
4:N:156:HIS:HE1	14:N:813:CLA:NA	2.13	0.45
4:N:534:LEU:HG	14:N:840:CLA:HMA3	1.99	0.45
17:N:845:BCR:H15C	17:N:845:BCR:H351	1.77	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:g:81:LEU:HD12	14:g:811:CLA:HED2	1.98	0.45
2:g:738:ALA:HB2	17:g:848:BCR:H322	1.98	0.45
4:n:91:ILE:HB	4:n:112:PRO:HB2	1.99	0.45
4:n:394:GLY:HA2	17:n:846:BCR:H393	1.99	0.45
14:n:822:CLA:H62	14:n:822:CLA:H41	1.63	0.45
5:p:15:THR:HG22	5:p:28:MET:HE3	1.99	0.45
14:A:830:CLA:HMC1	14:A:838:CLA:HAB	1.98	0.45
2:a:57:HIS:HB3	14:a:803:CLA:HAB	1.98	0.45
14:a:852:CLA:HED2	14:a:852:CLA:HBD	1.64	0.45
4:b:692:THR:HG23	4:b:695:ALA:HB3	1.99	0.45
8:f:130:LEU:HA	8:f:133:ILE:HG22	1.99	0.45
14:G:804:CLA:HBA1	14:G:812:CLA:HBA1	1.99	0.44
14:G:807:CLA:H71	14:G:829:CLA:H172	1.98	0.44
14:G:832:CLA:H93	14:N:842:CLA:H171	1.97	0.44
14:G:853:CLA:H202	14:G:853:CLA:H162	1.79	0.44
4:N:177:HIS:CE1	14:N:814:CLA:NA	2.85	0.44
4:N:423:ILE:HG21	4:N:543:LYS:HG3	1.98	0.44
14:N:831:CLA:H102	21:N:850:LMG:H392	1.99	0.44
8:S:133:ILE:HB	14:S:203:CLA:OBD	2.17	0.44
12:W:78:PHE:HB3	12:W:94:GLY:HA2	1.99	0.44
2:g:457:ILE:HG22	14:g:832:CLA:HBC2	1.98	0.44
2:g:459:ASN:HD21	2:g:472:PHE:HB2	1.82	0.44
14:g:815:CLA:H92	14:g:815:CLA:H61	1.80	0.44
14:n:804:CLA:HHD	14:n:804:CLA:HBC2	1.98	0.44
14:n:807:CLA:H102	17:v:101:BCR:HC31	1.99	0.44
2:A:345:LEU:HD21	17:A:847:BCR:H312	1.97	0.44
2:A:572:ARG:HG2	2:A:722:THR:HG21	1.99	0.44
14:A:827:CLA:H11	17:A:849:BCR:HC42	1.99	0.44
4:B:106:GLN:HG3	4:B:115:ILE:HD11	1.98	0.44
4:B:341:HIS:CD2	14:B:825:CLA:HAA1	2.52	0.44
4:B:464:ALA:O	4:B:468:GLN:HG3	2.17	0.44
17:I:103:BCR:H11C	17:I:103:BCR:H341	1.85	0.44
14:a:837:CLA:H62	14:a:837:CLA:H2	1.75	0.44
14:b:833:CLA:H142	17:f:203:BCR:HC42	1.99	0.44
14:b:833:CLA:H161	14:b:833:CLA:H122	1.92	0.44
17:b:847:BCR:H351	17:b:847:BCR:H15C	1.72	0.44
17:l:206:BCR:H11C	17:l:206:BCR:H341	1.81	0.44
2:G:456:TYR:HE2	2:G:538:ILE:HG13	1.82	0.44
14:H:1701:CLA:CGA	14:H:1701:CLA:H3A	2.40	0.44
4:N:377:THR:HG23	4:N:598:THR:HG21	1.99	0.44
4:N:652:VAL:HG22	14:N:811:CLA:HHD	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:g:183:LYS:HD3	2:g:183:LYS:HA	1.83	0.44
2:g:393:HIS:CE1	14:g:826:CLA:ND	2.86	0.44
4:n:669:MET:HB2	14:n:804:CLA:C3C	2.47	0.44
14:n:827:CLA:H13	14:n:829:CLA:H151	1.99	0.44
11:v:13:ALA:HB1	11:v:16:LEU:HD12	1.99	0.44
2:A:734:LEU:HD22	14:A:839:CLA:HMA3	1.99	0.44
14:A:804:CLA:H142	17:A:846:BCR:H372	1.98	0.44
14:A:806:CLA:H13	17:A:856:BCR:H383	1.98	0.44
2:a:59:PHE:HD2	2:a:73:ILE:HG13	1.82	0.44
14:a:801:CLA:H162	14:a:801:CLA:H203	1.67	0.44
14:a:826:CLA:C4C	17:a:848:BCR:HC41	2.46	0.44
14:a:837:CLA:H42	18:a:850:LHG:H162	1.99	0.44
4:b:101:ILE:HG23	4:b:112:PRO:HG3	1.98	0.44
4:b:719:HIS:NE2	14:b:841:CLA:C4A	2.80	0.44
14:b:809:CLA:H72	14:b:809:CLA:H112	1.66	0.44
4:N:663:VAL:HG13	4:N:719:HIS:HD2	1.81	0.44
14:N:810:CLA:H51	14:N:810:CLA:H8	1.62	0.44
6:Q:22:LYS:HG3	6:Q:26:GLU:HB3	2.00	0.44
2:g:441:LEU:HD21	2:g:547:VAL:HG12	1.99	0.44
2:g:491:HIS:NE2	14:g:833:CLA:NA	2.65	0.44
2:g:623:ASP:HB2	2:g:627:ASN:HB2	1.99	0.44
2:g:682:PHE:HZ	14:g:839:CLA:HBC2	1.81	0.44
14:g:806:CLA:H3A	14:g:806:CLA:HBA2	1.44	0.44
14:g:837:CLA:H161	14:g:837:CLA:H141	1.79	0.44
14:g:839:CLA:HAC1	15:g:841:PQN:H171	1.98	0.44
14:n:808:CLA:H51	14:n:808:CLA:H8	1.84	0.44
17:n:849:BCR:H11C	17:n:849:BCR:H341	1.87	0.44
17:n:849:BCR:HC41	17:t:103:BCR:HC31	1.99	0.44
11:v:36:LEU:O	11:v:40:ILE:HG12	2.18	0.44
17:w:201:BCR:H11C	17:w:201:BCR:H341	1.88	0.44
2:A:659:ILE:HG13	2:A:660:ASN:N	2.31	0.44
14:A:804:CLA:HBA2	14:A:804:CLA:H11	1.69	0.44
4:B:387:MET:HB2	14:B:826:CLA:HBC3	1.98	0.44
14:B:812:CLA:H72	17:B:844:BCR:H401	1.98	0.44
14:B:829:CLA:H3A	14:B:829:CLA:HBA2	1.67	0.44
14:a:821:CLA:H41	14:a:821:CLA:H61	1.63	0.44
4:b:225:PHE:HZ	17:b:843:BCR:H343	1.81	0.44
4:b:436:HIS:HB2	17:b:852:BCR:HC42	1.99	0.44
14:b:837:CLA:HMB1	14:b:837:CLA:HBB1	1.98	0.44
17:b:846:BCR:H15C	17:b:846:BCR:H351	1.61	0.44
17:j:103:BCR:H15C	17:j:103:BCR:H351	1.77	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:802:CLA:H3A	14:G:802:CLA:HBA1	1.77	0.44
14:G:803:CLA:H52	14:G:810:CLA:H8	1.99	0.44
17:G:844:BCR:H351	17:G:844:BCR:H15C	1.79	0.44
20:H:1702:SQD:H161	20:H:1702:SQD:H132	1.63	0.44
4:N:499:VAL:HG11	14:N:818:CLA:HED1	1.99	0.44
17:N:849:BCR:H351	17:N:849:BCR:H15C	1.76	0.44
2:g:675:GLY:CA	17:g:848:BCR:H17C	2.48	0.44
4:n:304:MET:HG2	14:n:822:CLA:CGD	2.48	0.44
4:n:433:LEU:HD11	14:n:837:CLA:HMB2	1.99	0.44
14:n:803:CLA:H111	14:n:803:CLA:H151	1.61	0.44
5:p:66:ARG:HG2	6:q:120:ILE:HD11	2.00	0.44
13:y:16:ALA:C	13:y:19:PRO:HD2	2.42	0.44
2:A:174:LEU:HD21	14:A:808:CLA:H191	1.98	0.44
14:A:832:CLA:H51	14:A:840:CLA:HBC2	1.99	0.44
4:B:158:GLN:O	4:B:162:ARG:HG3	2.17	0.44
14:B:837:CLA:H91	14:B:837:CLA:H111	1.77	0.44
8:F:139:TRP:CD1	8:F:140:PRO:HD3	2.53	0.44
12:L:73:PHE:CZ	14:L:1502:CLA:HBB1	2.53	0.44
2:a:534:LEU:O	2:a:538:ILE:HG13	2.18	0.44
14:a:831:CLA:H112	14:a:831:CLA:H152	1.69	0.44
4:b:527:HIS:HE1	14:b:837:CLA:C4D	2.29	0.44
14:b:805:CLA:H92	14:b:805:CLA:H62	1.85	0.44
17:f:203:BCR:H341	17:f:203:BCR:H11C	1.72	0.44
17:i:102:BCR:H10C	17:i:102:BCR:HC7	1.78	0.44
2:G:107:ASP:HB3	2:G:111:VAL:HG23	2.00	0.44
2:G:282:LEU:HD12	2:G:515:LEU:HD13	2.00	0.44
2:G:394:HIS:NE2	14:G:828:CLA:ND	2.66	0.44
14:G:838:CLA:HBA1	18:G:850:LHG:H362	2.00	0.44
17:G:843:BCR:H15C	17:G:843:BCR:H351	1.74	0.44
4:N:50:HIS:CE1	14:N:807:CLA:H161	2.53	0.44
18:g:850:LHG:H312	18:g:850:LHG:H342	1.91	0.44
4:n:62:SER:HB2	4:n:142:LEU:HB2	1.98	0.44
11:v:26:TRP:C	11:v:29:PRO:HD2	2.42	0.44
12:w:26:ARG:HD3	12:w:26:ARG:HA	1.76	0.44
2:A:216:HIS:CE1	14:A:813:CLA:NA	2.86	0.44
14:A:807:CLA:HBB1	14:A:808:CLA:C2D	2.48	0.44
14:B:809:CLA:H51	14:B:809:CLA:H8	1.62	0.44
17:B:852:BCR:H15C	17:B:852:BCR:H351	1.75	0.44
17:I:103:BCR:H15C	17:I:103:BCR:H351	1.84	0.44
2:a:43:PRO:HB3	2:a:48:TRP:CD2	2.53	0.44
2:a:94:HIS:CE1	14:a:805:CLA:NA	2.85	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:a:322:ILE:HG23	14:a:819:CLA:HED2	1.98	0.44
14:b:841:CLA:H13	17:i:101:BCR:H21C	2.00	0.44
15:b:842:PQN:H211	15:b:842:PQN:H252	1.65	0.44
17:b:848:BCR:H24C	17:b:848:BCR:H371	1.82	0.44
6:d:105:LYS:HE3	6:d:105:LYS:HB2	1.84	0.44
14:f:201:CLA:H62	14:f:201:CLA:H2	1.64	0.44
2:G:679:VAL:HG11	2:G:734:LEU:HD23	1.98	0.44
14:G:804:CLA:HBA2	14:G:804:CLA:H11	1.73	0.44
15:G:841:PQN:H211	15:G:841:PQN:H191	1.69	0.44
21:N:850:LMG:H352	21:N:850:LMG:H381	1.71	0.44
2:g:149:ARG:HD3	2:g:378:PRO:HB2	1.97	0.44
2:g:351:ALA:HB2	2:g:412:PHE:CD1	2.53	0.44
14:g:807:CLA:HBC2	4:n:450:PHE:CE1	2.53	0.44
14:g:830:CLA:H61	14:g:830:CLA:H41	1.40	0.44
3:h:15:LYS:HG3	3:h:18:TYR:H	1.82	0.44
4:n:668:PHE:HB3	14:n:804:CLA:HMC2	1.99	0.44
4:n:678:TRP:O	4:n:682:ILE:HG13	2.17	0.44
14:n:827:CLA:HBA2	14:n:827:CLA:H3A	1.59	0.44
14:n:840:CLA:H13	17:v:101:BCR:H21C	1.99	0.44
17:u:103:BCR:H371	17:u:103:BCR:H24C	1.81	0.44
14:w:204:CLA:HAC2	17:w:206:BCR:C26	2.48	0.44
2:A:94:HIS:CE1	14:A:806:CLA:NA	2.85	0.44
2:A:672:MET:HE1	14:A:827:CLA:H121	1.99	0.44
14:A:802:CLA:H71	14:A:802:CLA:H112	1.60	0.44
14:A:853:CLA:HMB1	14:A:853:CLA:H41	1.99	0.44
14:B:813:CLA:H3A	14:B:813:CLA:HBA2	1.59	0.44
5:C:16:GLN:HB3	5:C:57:ALA:HB1	2.00	0.44
2:a:59:PHE:HA	2:a:62:HIS:CD2	2.53	0.44
18:a:850:LHG:H302	18:a:850:LHG:H272	1.77	0.44
4:b:68:VAL:HG11	4:b:124:TRP:HZ3	1.83	0.44
4:b:177:HIS:CE1	14:b:813:CLA:NA	2.86	0.44
4:b:191:ALA:HA	4:b:194:LEU:HD12	1.99	0.44
4:b:658:LEU:HD23	4:b:658:LEU:HA	1.82	0.44
14:b:825:CLA:HBB2	17:b:846:BCR:H363	2.00	0.44
14:b:837:CLA:H62	14:b:837:CLA:H2	1.61	0.44
17:b:850:BCR:H15C	17:b:850:BCR:H351	1.78	0.44
2:G:367:ILE:HD12	14:G:828:CLA:HAC2	1.99	0.44
2:G:668:ALA:O	2:G:672:MET:HG2	2.17	0.44
17:G:846:BCR:H15C	17:G:846:BCR:H351	1.72	0.44
10:U:85:ARG:HH12	4:n:214:SER:HA	1.83	0.44
2:g:708:LEU:HD11	17:s:203:BCR:H342	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:g:804:CLA:H191	18:g:849:LHG:H211	1.98	0.44
14:g:854:CLA:H93	14:g:854:CLA:H111	1.75	0.44
4:n:551:SER:HA	8:s:162:SER:HB2	1.98	0.44
15:n:841:PQN:H252	15:n:841:PQN:H211	1.72	0.44
5:p:31:TRP:HB2	5:p:39:VAL:HG22	1.99	0.44
8:s:133:ILE:HD11	14:s:201:CLA:H92	1.98	0.44
8:s:139:TRP:CD1	8:s:140:PRO:HD3	2.52	0.44
2:A:219:HIS:HB3	2:A:244:ILE:HD11	1.98	0.44
2:A:276:LEU:HD21	2:A:299:LEU:HD23	1.99	0.44
4:B:276:HIS:HE2	14:B:819:CLA:C2B	2.31	0.44
4:B:341:HIS:CG	14:B:825:CLA:HAA1	2.53	0.44
4:B:642:TYR:CD2	4:B:642:TYR:O	2.71	0.44
14:a:831:CLA:CBB	14:a:832:CLA:H3A	2.48	0.44
17:b:847:BCR:H341	17:b:847:BCR:H11C	1.72	0.44
9:j:48:LEU:HD23	9:j:48:LEU:HA	1.82	0.44
12:l:74:LEU:HD22	12:l:101:LEU:HD23	1.98	0.44
20:l:201:SQD:H142	20:l:201:SQD:H111	1.45	0.44
14:G:838:CLA:H161	14:G:838:CLA:H141	1.77	0.44
14:N:811:CLA:H142	21:N:850:LMG:H222	1.99	0.44
14:N:819:CLA:HBA2	14:N:819:CLA:H3A	1.52	0.44
6:Q:73:LEU:HB3	6:Q:78:ILE:HB	1.99	0.44
2:g:200:HIS:CE1	14:g:810:CLA:NA	2.85	0.44
17:g:845:BCR:H11C	17:g:845:BCR:H341	1.80	0.44
12:w:95:LEU:HD22	12:w:158:TYR:HD1	1.83	0.44
2:A:119:TRP:HB3	17:A:856:BCR:H323	2.00	0.44
17:A:856:BCR:H15C	17:A:856:BCR:H351	1.75	0.44
14:B:832:CLA:HBC2	14:B:839:CLA:HMC2	1.99	0.44
15:B:842:PQN:H302	17:I:103:BCR:H343	1.99	0.44
2:a:297:HIS:C	2:a:297:HIS:ND1	2.76	0.44
14:a:828:CLA:H62	14:a:828:CLA:H41	1.72	0.44
1:1:230:TRP:CE3	1:1:231:LEU:HD23	2.53	0.44
2:G:264:PHE:CZ	17:G:843:BCR:H343	2.53	0.44
2:G:275:PHE:HE2	14:G:814:CLA:HAC2	1.83	0.44
14:G:805:CLA:H42	18:G:849:LHG:H261	2.00	0.44
14:G:831:CLA:H62	14:G:831:CLA:H102	1.72	0.44
14:N:825:CLA:H141	14:N:825:CLA:H162	1.79	0.44
14:N:827:CLA:H102	14:N:838:CLA:H122	2.00	0.44
14:N:838:CLA:H92	14:N:838:CLA:H61	1.84	0.44
5:P:66:ARG:HA	5:P:66:ARG:HD2	1.72	0.44
7:R:9:ARG:HH12	7:R:61:VAL:HG21	1.83	0.44
9:T:19:PRO:HB2	17:T:104:BCR:H292	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:W:206:BCR:H11C	17:W:206:BCR:H341	1.89	0.44
2:g:86:ILE:HG13	2:g:170:ALA:HB1	2.00	0.44
2:g:584:CYS:HB3	4:n:674:TRP:HE3	1.82	0.44
14:g:821:CLA:H3A	14:g:821:CLA:HBA2	1.65	0.44
4:n:181:GLY:HA2	4:n:185:VAL:HB	2.00	0.44
4:n:195:ILE:HA	4:n:199:ILE:HD12	2.00	0.44
4:n:533:GLY:HA2	4:n:589:TRP:CZ3	2.53	0.44
14:n:803:CLA:H192	14:n:803:CLA:H162	1.87	0.44
14:n:834:CLA:H3A	14:n:834:CLA:HBA1	1.67	0.44
14:n:839:CLA:HBB2	15:n:841:PQN:H141	1.99	0.44
10:u:40:LYS:C	10:u:41:TYR:HD1	2.26	0.44
2:A:320:HIS:HE1	14:A:821:CLA:C4A	2.31	0.44
2:A:352:GLN:HG3	14:A:824:CLA:H13	2.00	0.44
14:A:803:CLA:H3A	14:A:803:CLA:HBA1	1.77	0.44
14:A:839:CLA:HAB	14:A:853:CLA:H151	2.00	0.44
17:A:849:BCR:H20C	17:A:849:BCR:H361	1.73	0.44
17:A:856:BCR:H11C	17:A:856:BCR:H341	1.89	0.44
2:a:414:VAL:HG11	2:a:571:PHE:N	2.32	0.44
14:b:805:CLA:HBA2	14:b:805:CLA:HED2	2.00	0.44
2:G:374:MET:SD	14:G:817:CLA:HAA1	2.58	0.43
14:G:801:CLA:H122	17:N:849:BCR:H12C	1.99	0.43
14:G:803:CLA:HHC	14:G:805:CLA:OBD	2.18	0.43
14:G:824:CLA:H143	14:G:824:CLA:H111	1.84	0.43
4:N:351:TRP:HZ3	14:N:820:CLA:H102	1.82	0.43
14:N:831:CLA:H161	14:N:842:CLA:HBA2	2.00	0.43
17:N:848:BCR:H11C	17:N:848:BCR:H341	1.73	0.43
6:Q:31:ILE:HG12	6:Q:33:TRP:CE3	2.53	0.43
17:T:103:BCR:H15C	17:T:103:BCR:H351	1.76	0.43
2:g:278:PHE:HE1	14:g:816:CLA:H11	1.82	0.43
2:g:671:LEU:HD21	4:n:446:VAL:HA	1.99	0.43
17:g:843:BCR:H15C	17:g:843:BCR:H351	1.82	0.43
14:g:854:CLA:H62	14:g:854:CLA:H41	1.83	0.43
17:n:845:BCR:H15C	17:n:845:BCR:H351	1.69	0.43
5:p:43:PRO:HG2	5:p:44:ARG:HE	1.83	0.43
8:s:63:GLN:HE22	9:t:48:LEU:HG	1.82	0.43
17:v:101:BCR:H15C	17:v:101:BCR:H351	1.86	0.43
18:v:102:LHG:H122	17:w:206:BCR:HC31	1.99	0.43
2:A:413:MET:HG3	2:A:558:ARG:HG3	1.99	0.43
2:A:714:ILE:HD11	8:F:121:GLU:HB2	1.98	0.43
14:A:827:CLA:H192	17:J:103:BCR:H14C	2.00	0.43
4:B:66:PHE:HZ	13:M:9:VAL:HG13	1.83	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:B:377:THR:HG23	4:B:598:THR:HG21	2.00	0.43
14:B:803:CLA:H13	14:B:803:CLA:H171	1.78	0.43
17:L:1504:BCR:H351	17:L:1504:BCR:H15C	1.75	0.43
2:a:608:PHE:HB3	2:a:646:TRP:CZ3	2.53	0.43
14:a:806:CLA:H3A	14:a:806:CLA:HBA2	1.34	0.43
14:a:819:CLA:HMB3	14:a:819:CLA:HBB1	1.99	0.43
14:a:828:CLA:H41	18:a:849:LHG:H102	2.00	0.43
5:c:6:LYS:HD2	6:d:114:ARG:HB3	2.00	0.43
10:k:86:ILE:H	10:k:86:ILE:CD1	2.27	0.43
2:G:59:PHE:HD2	2:G:73:ILE:HD13	1.83	0.43
14:G:802:CLA:H11	14:G:839:CLA:H72	2.00	0.43
17:G:848:BCR:H361	17:G:848:BCR:H20C	1.74	0.43
4:N:193:HIS:HB2	14:N:816:CLA:C1C	2.49	0.43
4:N:629:ASP:O	4:N:633:ALA:HB3	2.19	0.43
14:N:805:CLA:HHD	14:N:805:CLA:HBC2	2.00	0.43
9:T:43:LEU:HD23	9:T:43:LEU:HA	1.90	0.43
14:W:202:CLA:C1B	14:W:203:CLA:HED1	2.47	0.43
2:g:100:ASN:HB3	2:g:135:PHE:HB2	2.00	0.43
2:g:297:HIS:HB2	14:g:816:CLA:C1B	2.48	0.43
2:g:552:LYS:HZ1	4:n:680:GLU:HB2	1.83	0.43
2:g:719:LEU:HD21	15:g:841:PQN:H151	1.99	0.43
2:g:737:ILE:HG23	14:g:826:CLA:HAB	1.99	0.43
14:A:807:CLA:HBB1	14:A:808:CLA:C3D	2.48	0.43
14:A:812:CLA:HBB1	14:A:812:CLA:HHC	2.00	0.43
17:A:845:BCR:H351	17:A:845:BCR:H15C	1.76	0.43
4:B:592:ASN:HB2	14:B:803:CLA:HBC2	2.00	0.43
14:B:808:CLA:H91	14:B:808:CLA:H111	1.78	0.43
17:B:848:BCR:H11C	17:B:848:BCR:H341	1.89	0.43
6:D:12:PHE:CZ	12:L:28:PRO:HB2	2.53	0.43
12:L:21:VAL:HG12	12:L:35:THR:HA	2.00	0.43
20:x:1702:SQD:H102	20:x:1702:SQD:H132	1.65	0.43
4:b:200:PRO:HB3	4:b:205:GLN:HG3	2.00	0.43
4:b:276:HIS:CE1	14:b:818:CLA:ND	2.86	0.43
14:b:817:CLA:C1D	14:b:818:CLA:HBB2	2.49	0.43
2:G:462:MET:CE	2:G:467:ARG:HE	2.31	0.43
14:G:803:CLA:HBD	14:G:810:CLA:H2	2.00	0.43
14:G:820:CLA:H162	14:G:820:CLA:H122	1.47	0.43
14:N:821:CLA:H172	14:N:821:CLA:H13	1.58	0.43
14:N:851:CLA:H61	17:S:204:BCR:HC32	2.00	0.43
17:N:852:BCR:H15C	17:N:852:BCR:H351	1.81	0.43
2:g:599:MET:HE3	2:g:599:MET:HB3	1.85	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:n:810:CLA:H52	12:w:96:LEU:HB3	1.99	0.43
7:r:39:ARG:HD3	7:r:49:ASN:HD22	1.84	0.43
14:A:854:CLA:H142	14:A:854:CLA:H112	1.72	0.43
4:B:552:LYS:HD2	4:B:552:LYS:HA	1.66	0.43
2:a:422:ASN:ND2	2:a:427:LEU:HD23	2.34	0.43
2:a:442:ASN:O	2:a:446:ILE:HG13	2.18	0.43
4:b:580:TRP:CZ2	4:b:714:VAL:HG22	2.53	0.43
14:b:813:CLA:H3A	14:b:813:CLA:HBA2	1.51	0.43
17:b:843:BCR:H11C	17:b:843:BCR:H341	1.76	0.43
2:G:282:LEU:H	2:G:508:TYR:HE2	1.65	0.43
2:G:351:ALA:O	2:G:355:THR:HG23	2.18	0.43
14:G:837:CLA:H111	14:G:837:CLA:H152	1.50	0.43
17:G:847:BCR:H11C	17:G:847:BCR:H341	1.84	0.43
4:N:224:PRO:HA	4:N:227:THR:HG22	2.00	0.43
4:N:433:LEU:HD13	4:N:532:LEU:HA	2.00	0.43
4:N:600:TYR:HA	4:N:626:TRP:HH2	1.83	0.43
2:g:39:LEU:HD23	2:g:48:TRP:CD1	2.53	0.43
2:g:375:PRO:HA	2:g:376:PRO:HD3	1.88	0.43
2:g:710:VAL:HG12	8:s:105:ARG:HG3	1.99	0.43
14:g:810:CLA:H61	14:g:810:CLA:H41	1.83	0.43
17:g:847:BCR:H24C	17:g:847:BCR:H371	1.84	0.43
17:g:847:BCR:H361	17:g:847:BCR:H20C	1.87	0.43
4:n:330:TYR:OH	4:n:341:HIS:HE1	2.00	0.43
4:n:340:TRP:HE1	14:n:824:CLA:HMB2	1.84	0.43
4:n:426:LEU:HD21	4:n:538:THR:HG22	2.00	0.43
14:n:804:CLA:H193	14:n:840:CLA:H2	2.01	0.43
14:n:806:CLA:H162	14:n:806:CLA:H143	1.76	0.43
17:n:845:BCR:H11C	17:n:845:BCR:H341	1.68	0.43
14:A:834:CLA:CBB	14:A:836:CLA:HBA1	2.48	0.43
14:A:840:CLA:HBC1	15:B:842:PQN:H191	2.01	0.43
4:B:77:TRP:CZ2	4:B:81:PRO:HB3	2.53	0.43
4:B:657:PHE:HZ	14:B:804:CLA:C1D	2.31	0.43
14:B:830:CLA:H2A	14:B:830:CLA:O1D	2.18	0.43
14:B:840:CLA:HED3	11:I:37:PHE:HZ	1.83	0.43
17:B:843:BCR:H351	17:B:843:BCR:H15C	1.77	0.43
2:a:386:THR:O	2:a:390:ILE:HG12	2.18	0.43
14:a:802:CLA:H11	14:a:809:CLA:H92	2.00	0.43
14:a:817:CLA:HBA2	14:a:817:CLA:H3A	1.49	0.43
14:b:819:CLA:HBA2	14:b:819:CLA:H3A	1.44	0.43
14:b:819:CLA:H121	14:b:825:CLA:H72	2.00	0.43
2:G:53:HIS:NE2	14:G:802:CLA:NB	2.67	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:G:180:HIS:CE1	14:G:809:CLA:NA	2.86	0.43
2:G:297:HIS:HB2	14:G:817:CLA:CHB	2.49	0.43
2:G:462:MET:HE2	2:G:470:ASP:HB2	2.00	0.43
14:G:823:CLA:HHB	14:G:840:CLA:CBB	2.47	0.43
15:G:841:PQN:H212	15:G:841:PQN:H251	1.69	0.43
14:g:832:CLA:H2A	14:g:832:CLA:O2D	2.18	0.43
14:n:828:CLA:H203	17:n:844:BCR:H15C	2.01	0.43
7:r:39:ARG:HH11	7:r:49:ASN:ND2	2.17	0.43
11:v:26:TRP:CH2	17:w:201:BCR:HC31	2.53	0.43
2:A:323:LYS:O	2:A:327:GLU:HG2	2.19	0.43
2:A:414:VAL:HG13	2:A:557:ALA:HB1	2.00	0.43
14:A:804:CLA:H143	17:A:845:BCR:HC41	2.00	0.43
14:A:820:CLA:H92	14:A:820:CLA:H61	1.73	0.43
17:A:845:BCR:H11C	17:A:845:BCR:H341	1.82	0.43
14:A:855:CLA:HAB	4:B:665:ALA:C	2.44	0.43
4:B:707:LEU:HD22	4:B:711:GLN:NE2	2.34	0.43
20:B:801:SQD:H102	20:B:801:SQD:H132	1.37	0.43
17:K:102:BCR:H24C	17:K:102:BCR:H371	1.83	0.43
17:I:101:BCR:H11C	17:I:101:BCR:H341	1.79	0.43
12:L:42:LEU:HD12	12:L:42:LEU:HA	1.87	0.43
2:a:479:LEU:H	2:a:530:THR:HG23	1.83	0.43
2:a:688:PHE:HE1	4:b:672:ILE:HG13	1.83	0.43
14:a:832:CLA:H62	14:a:832:CLA:H2	1.80	0.43
3:x:18:TYR:HD1	3:x:21:ARG:HH11	1.65	0.43
8:f:42:LYS:HE2	8:f:42:LYS:HB2	1.82	0.43
17:k:102:BCR:H20C	17:k:102:BCR:H361	1.79	0.43
2:G:144:LEU:HD12	2:G:144:LEU:HA	1.88	0.43
14:G:833:CLA:H2	14:G:833:CLA:H62	1.72	0.43
17:G:847:BCR:H15C	17:G:847:BCR:H351	1.78	0.43
4:N:435:PHE:HZ	17:N:852:BCR:H372	1.83	0.43
14:N:827:CLA:H142	14:N:827:CLA:H112	1.79	0.43
17:T:104:BCR:HC8	17:T:104:BCR:H321	2.01	0.43
2:g:142:SER:HA	14:g:826:CLA:HMA2	2.00	0.43
2:g:393:HIS:HE2	14:g:827:CLA:C2B	2.32	0.43
4:n:378:HIS:HB2	14:n:827:CLA:CHB	2.48	0.43
4:n:698:VAL:HG12	12:w:112:TYR:CE2	2.54	0.43
14:n:840:CLA:HBC1	15:n:841:PQN:H2M2	2.00	0.43
10:u:18:PRO:O	10:u:22:ILE:HG12	2.18	0.43
2:A:705:HIS:HE1	14:A:854:CLA:ND	2.16	0.43
4:B:65:LEU:HD11	17:B:845:BCR:H281	2.00	0.43
4:B:597:VAL:CG2	14:B:837:CLA:HAB	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B:805:CLA:HMB1	17:M:101:BCR:HC42	2.00	0.43
17:B:852:BCR:H383	14:J:102:CLA:C2D	2.48	0.43
2:a:91:MET:HE2	14:a:806:CLA:H2A	2.00	0.43
2:a:524:MET:HE3	2:a:524:MET:HB2	1.79	0.43
14:a:826:CLA:H13	14:a:826:CLA:H172	1.78	0.43
17:a:846:BCR:H15C	17:a:846:BCR:H351	1.92	0.43
4:b:306:ASN:ND2	4:b:324:GLN:HA	2.33	0.43
14:b:804:CLA:H102	14:b:804:CLA:H62	1.37	0.43
6:d:12:PHE:HB3	6:d:49:ALA:HA	2.01	0.43
6:d:19:LEU:HD12	6:d:19:LEU:H	1.83	0.43
8:f:139:TRP:CD1	8:f:140:PRO:HD3	2.54	0.43
1:1:228:LEU:HD11	13:m:11:ILE:CD1	2.48	0.43
2:G:487:VAL:HA	2:G:490:LEU:HD12	2.01	0.43
2:G:648:ARG:O	2:G:652:TRP:HB3	2.17	0.43
14:G:823:CLA:H3A	14:G:823:CLA:HBA1	1.66	0.43
14:G:831:CLA:HBC3	18:G:850:LHG:H291	2.01	0.43
14:N:828:CLA:H93	14:N:828:CLA:H112	1.81	0.43
14:N:829:CLA:HBA2	14:N:829:CLA:H3A	1.45	0.43
14:N:833:CLA:H3A	14:N:833:CLA:HBA2	1.68	0.43
17:N:852:BCR:H11C	17:N:852:BCR:H341	1.88	0.43
4:n:710:VAL:O	4:n:714:VAL:HG23	2.18	0.43
14:n:819:CLA:CED	14:n:819:CLA:H2A	2.49	0.43
14:n:827:CLA:O1D	14:n:828:CLA:HHB	2.18	0.43
17:n:842:BCR:H20C	17:n:842:BCR:H361	1.80	0.43
17:t:103:BCR:H341	17:t:103:BCR:H11C	1.79	0.43
2:A:32:PRO:HB2	2:A:48:TRP:HH2	1.82	0.43
2:A:264:PHE:CZ	17:A:844:BCR:H343	2.54	0.43
2:A:334:THR:HA	14:A:830:CLA:OBD	2.18	0.43
14:A:802:CLA:H162	14:A:802:CLA:H141	1.66	0.43
14:A:818:CLA:HBA2	14:A:818:CLA:H3A	1.44	0.43
17:A:848:BCR:H351	17:A:848:BCR:H15C	1.80	0.43
4:B:203:ARG:HH11	4:B:251:GLY:H	1.67	0.43
14:B:850:CLA:H143	8:F:94:LEU:HD22	2.01	0.43
5:C:8:TYR:HE2	6:D:123:ASN:HD21	1.66	0.43
7:E:59:ILE:N	7:E:59:ILE:HD12	2.34	0.43
4:b:581:ASP:HA	4:b:584:TYR:HB3	2.00	0.43
4:b:719:HIS:CE1	14:b:841:CLA:ND	2.86	0.43
17:b:850:BCR:H343	8:f:93:PHE:CD2	2.53	0.43
7:e:8:VAL:HG21	7:e:58:LEU:HD22	2.01	0.43
2:G:261:LEU:HD21	17:G:843:BCR:HC21	2.01	0.43
2:G:588:GLY:O	2:G:592:VAL:HG23	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:802:CLA:C4B	17:T:104:BCR:H291	2.49	0.43
14:G:807:CLA:CHC	14:G:808:CLA:HMD2	2.49	0.43
4:N:163:PRO:HB2	4:N:168:PHE:CE2	2.53	0.43
4:N:341:HIS:ND1	14:N:826:CLA:HAA1	2.34	0.43
17:T:104:BCR:H15C	17:T:104:BCR:H351	1.77	0.43
10:U:34:PHE:O	10:U:38:THR:HB	2.18	0.43
14:W:203:CLA:HMB3	14:W:204:CLA:HBC2	2.00	0.43
17:W:206:BCR:H15C	17:W:206:BCR:H351	1.86	0.43
14:g:830:CLA:H2	14:w:204:CLA:H43	2.00	0.43
4:n:150:LEU:HD22	13:y:23:ALA:HA	2.00	0.43
4:n:701:LYS:HE3	4:n:701:LYS:HB3	1.71	0.43
2:A:297:HIS:HB2	14:A:817:CLA:CHB	2.49	0.43
2:A:334:THR:HB	2:A:426:VAL:HG22	2.01	0.43
14:A:828:CLA:H61	14:A:828:CLA:H41	1.72	0.43
15:A:842:PQN:H12	15:A:842:PQN:H162	1.81	0.43
4:B:67:HIS:NE2	14:B:808:CLA:NA	2.67	0.43
14:B:828:CLA:H202	21:B:849:LMG:H252	2.01	0.43
12:L:33:LEU:HD23	12:L:33:LEU:HA	1.81	0.43
12:L:70:HIS:HE1	14:L:1502:CLA:C4D	2.32	0.43
2:a:321:SER:OG	2:a:324:GLU:HB2	2.19	0.43
4:b:66:PHE:HB2	4:b:139:SER:OG	2.19	0.43
4:b:276:HIS:HB2	14:b:818:CLA:CHB	2.49	0.43
2:G:197:MET:HE2	14:G:812:CLA:CHD	2.49	0.43
2:G:598:TRP:CZ2	14:G:801:CLA:HAB	2.54	0.43
14:G:821:CLA:CHD	17:G:843:BCR:H382	2.49	0.43
4:N:485:PRO:HA	4:N:490:TYR:CG	2.54	0.43
10:U:48:LEU:HD13	10:U:54:PHE:CD2	2.53	0.43
2:g:675:GLY:HA2	17:g:848:BCR:H17C	2.00	0.43
14:g:819:CLA:NC	14:g:825:CLA:H152	2.34	0.43
14:g:838:CLA:H202	14:g:838:CLA:H162	1.86	0.43
4:n:722:VAL:HG22	21:n:848:LMG:H441	2.01	0.43
14:n:808:CLA:H141	14:n:808:CLA:H161	1.73	0.43
2:A:211:LEU:HD11	17:A:844:BCR:H331	2.00	0.43
2:A:715:GLN:H	2:A:715:GLN:HG3	1.57	0.43
14:A:803:CLA:HAB	14:A:810:CLA:H121	1.99	0.43
14:A:824:CLA:HBB1	14:A:824:CLA:HMB3	2.01	0.43
14:A:830:CLA:HBA1	18:A:851:LHG:H241	2.01	0.43
19:A:852:CL0:H15	4:B:631:LEU:HD13	2.00	0.43
6:D:31:ILE:HG12	6:D:33:TRP:CE3	2.54	0.43
17:K:102:BCR:H20C	17:K:102:BCR:H361	1.85	0.43
17:I:101:BCR:H361	17:I:101:BCR:H20C	1.84	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:a:367:ILE:O	2:a:371:MET:HB2	2.18	0.43
17:a:848:BCR:H361	17:a:848:BCR:H20C	1.75	0.43
4:b:54:LEU:HD23	4:b:54:LEU:HA	1.87	0.43
7:e:4:ARG:HH11	7:e:25:ALA:HA	1.83	0.43
11:i:26:TRP:HZ2	17:i:102:BCR:H333	1.84	0.43
17:i:101:BCR:H11C	17:i:101:BCR:H341	1.82	0.43
14:l:203:CLA:H102	14:l:203:CLA:H62	1.67	0.43
2:G:55:LEU:HD11	18:G:849:LHG:HC12	2.01	0.43
2:G:680:TRP:HZ3	14:N:803:CLA:HMD3	1.84	0.43
14:G:806:CLA:H93	14:G:806:CLA:H111	1.67	0.43
14:G:838:CLA:H2	17:G:847:BCR:H14C	2.01	0.43
5:P:26:LEU:HA	5:P:41:SER:O	2.19	0.43
12:W:79:ALA:HB2	12:W:94:GLY:HA3	2.00	0.43
2:g:316:TRP:CD1	10:u:60:PRO:HG3	2.54	0.43
14:g:830:CLA:H101	14:g:830:CLA:H62	1.76	0.43
4:n:597:VAL:HG21	14:n:836:CLA:HBB2	2.00	0.43
4:n:724:TYR:OH	14:n:803:CLA:H12	2.19	0.43
14:n:808:CLA:H151	14:n:827:CLA:H91	2.00	0.43
14:n:837:CLA:H92	14:n:837:CLA:H61	1.86	0.43
17:n:844:BCR:H20C	17:n:844:BCR:H361	1.91	0.43
10:u:85:ARG:HD3	10:u:85:ARG:HA	1.85	0.43
2:A:87:TRP:HA	14:A:806:CLA:HBB2	1.99	0.43
2:A:318:ILE:HD11	14:A:819:CLA:H2A	2.00	0.43
2:A:719:LEU:HD21	15:A:842:PQN:H152	2.01	0.43
17:A:845:BCR:H372	17:A:846:BCR:H312	2.01	0.43
4:B:528:HIS:CE1	14:B:838:CLA:ND	2.86	0.43
17:B:845:BCR:H15C	17:B:845:BCR:H351	1.75	0.43
2:a:506:VAL:HG23	14:a:833:CLA:HED3	2.01	0.43
14:a:840:CLA:HBA2	14:a:840:CLA:H3A	1.33	0.43
4:b:384:ILE:HG21	4:b:594:VAL:HB	2.00	0.43
4:N:22:TRP:CG	4:N:711:GLN:HE22	2.37	0.42
4:N:726:LEU:HD23	14:N:829:CLA:H51	2.01	0.42
14:N:824:CLA:H2	14:N:824:CLA:ND	2.34	0.42
2:g:385:ALA:HA	2:g:748:ILE:HD12	2.01	0.42
2:g:397:ILE:O	2:g:401:LEU:HG	2.19	0.42
2:g:734:LEU:HD22	14:g:839:CLA:HMA3	2.01	0.42
14:g:825:CLA:H112	14:g:825:CLA:H143	1.68	0.42
4:n:330:TYR:CZ	14:n:824:CLA:NC	2.86	0.42
14:n:818:CLA:H162	14:n:818:CLA:H122	1.76	0.42
17:n:845:BCR:H371	17:n:845:BCR:H24C	1.68	0.42
14:A:811:CLA:HBA2	14:A:811:CLA:H3A	1.66	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:A:846:BCR:H341	17:A:846:BCR:H11C	1.83	0.42
4:B:203:ARG:HG2	4:B:250:ALA:HB1	2.00	0.42
4:B:642:TYR:O	4:B:642:TYR:HD2	2.01	0.42
4:B:697:LEU:HD11	12:L:52:ALA:HB1	2.01	0.42
14:B:812:CLA:H12	14:B:813:CLA:C3D	2.49	0.42
14:B:823:CLA:H62	14:B:823:CLA:H41	1.70	0.42
17:J:103:BCR:H20C	17:J:103:BCR:H361	1.91	0.42
17:I:102:BCR:H11C	17:I:102:BCR:H341	1.88	0.42
2:a:75:ALA:HB2	2:a:181:TYR:HB2	2.01	0.42
14:a:806:CLA:HMC2	14:a:807:CLA:HMD1	2.01	0.42
18:a:850:LHG:HC82	18:a:850:LHG:H111	1.78	0.42
14:b:828:CLA:O1D	14:b:829:CLA:HHB	2.19	0.42
17:b:850:BCR:H24C	17:b:850:BCR:H371	1.80	0.42
7:e:4:ARG:NH1	7:e:25:ALA:HA	2.34	0.42
17:f:203:BCR:H20C	17:f:203:BCR:H361	1.85	0.42
1:1:214:VAL:HA	20:b:801:SQD:H132	1.99	0.42
4:N:181:GLY:HA3	14:N:815:CLA:HBB1	2.00	0.42
4:N:351:TRP:CE2	14:N:828:CLA:HAA1	2.54	0.42
4:N:669:MET:HB2	14:N:805:CLA:CHC	2.49	0.42
14:N:830:CLA:H142	17:N:846:BCR:H21C	2.01	0.42
17:N:846:BCR:H24C	17:N:846:BCR:H371	1.73	0.42
4:n:31:PHE:HB3	4:n:37:MET:HE3	2.00	0.42
4:n:193:HIS:HB2	14:n:814:CLA:C1C	2.49	0.42
14:n:806:CLA:H62	14:n:829:CLA:HBC3	2.01	0.42
14:n:830:CLA:H3A	14:n:830:CLA:HBA1	1.83	0.42
17:n:851:BCR:H20C	17:n:851:BCR:H361	1.82	0.42
14:A:825:CLA:HBA2	14:A:838:CLA:HAA1	2.00	0.42
4:B:369:TYR:HB3	4:B:609:TRP:CZ3	2.54	0.42
14:B:830:CLA:H193	14:B:841:CLA:HBA2	2.00	0.42
17:B:846:BCR:H15C	17:B:846:BCR:H351	1.78	0.42
17:K:102:BCR:H11C	17:K:102:BCR:H341	1.86	0.42
4:b:179:LEU:HG	14:b:825:CLA:HED1	2.02	0.42
4:b:322:PRO:O	4:b:411:VAL:HG23	2.19	0.42
21:b:849:LMG:H242	18:m:101:LHG:H221	2.01	0.42
17:b:850:BCR:HC32	17:b:852:BCR:H16C	2.01	0.42
17:i:101:BCR:H15C	17:i:101:BCR:H351	1.77	0.42
14:l:203:CLA:HAC2	17:l:205:BCR:C26	2.49	0.42
2:G:12:LYS:HB3	2:G:13:ALA:H	1.75	0.42
2:G:297:HIS:HE2	14:G:818:CLA:C2B	2.32	0.42
14:G:831:CLA:HBC2	14:G:838:CLA:HMC2	2.01	0.42
14:G:832:CLA:H102	14:G:832:CLA:H62	1.71	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
18:G:849:LHG:H132	18:G:849:LHG:H101	1.84	0.42
4:N:136:TYR:CE1	13:Y:12:ALA:HB2	2.53	0.42
4:N:461:PRO:HB3	4:N:524:PHE:HB2	2.01	0.42
4:N:555:PRO:HB3	8:S:163:PRO:HG2	2.02	0.42
17:N:853:BCR:H271	9:T:47:PRO:HG2	2.00	0.42
6:Q:69:LEU:O	6:Q:73:LEU:HG	2.19	0.42
2:g:149:ARG:HG3	2:g:228:MET:HE1	2.00	0.42
14:g:817:CLA:H3A	14:g:817:CLA:HBA2	1.45	0.42
14:g:832:CLA:H92	14:g:832:CLA:H61	1.87	0.42
17:g:844:BCR:H15C	17:g:844:BCR:H351	1.77	0.42
4:n:701:LYS:HD3	11:v:41:GLU:HG2	2.01	0.42
14:n:826:CLA:H112	14:n:826:CLA:H72	1.75	0.42
17:n:851:BCR:H15C	17:n:851:BCR:H351	1.77	0.42
14:A:837:CLA:H152	14:A:837:CLA:H112	1.79	0.42
3:X:21:ARG:HB2	14:B:831:CLA:H42	2.01	0.42
4:B:207:VAL:HA	4:B:211:ASN:HD21	1.84	0.42
4:B:681:LEU:HD12	4:B:681:LEU:HA	1.84	0.42
2:a:334:THR:HA	14:a:829:CLA:OBD	2.19	0.42
2:a:685:MET:HG3	14:a:852:CLA:C1C	2.41	0.42
4:b:44:GLN:NE2	4:b:162:ARG:HB3	2.33	0.42
4:b:138:GLY:HA2	14:b:815:CLA:O1A	2.19	0.42
4:b:326:ILE:HD12	14:b:824:CLA:HBC3	2.00	0.42
4:b:533:GLY:HA2	4:b:589:TRP:HZ3	1.83	0.42
4:b:701:LYS:HB3	4:b:701:LYS:HE3	1.58	0.42
2:G:205:LEU:HD13	14:G:812:CLA:HHB	2.01	0.42
2:G:458:HIS:CE1	14:G:833:CLA:NA	2.87	0.42
14:G:829:CLA:H142	14:G:829:CLA:H111	1.80	0.42
14:G:830:CLA:HMC1	14:G:838:CLA:HAB	2.00	0.42
4:N:326:ILE:HD11	4:N:410:ASN:OD1	2.19	0.42
14:N:820:CLA:HBB2	14:N:820:CLA:H111	2.00	0.42
14:N:839:CLA:H121	14:N:839:CLA:HMC2	2.01	0.42
17:W:205:BCR:H15C	17:W:205:BCR:H351	1.92	0.42
14:g:819:CLA:H111	14:g:825:CLA:HMA3	2.02	0.42
14:g:829:CLA:HAB	14:g:837:CLA:HBB2	2.00	0.42
14:A:803:CLA:HHC	14:A:805:CLA:OBD	2.19	0.42
14:A:805:CLA:H52	18:A:850:LHG:H281	2.00	0.42
4:B:26:ALA:HB2	21:B:849:LMG:H132	2.01	0.42
4:B:399:VAL:HG23	4:B:548:ALA:HB1	2.01	0.42
4:B:462:VAL:HG21	8:F:77:ASP:HB3	2.02	0.42
14:B:824:CLA:H62	14:B:825:CLA:H162	2.01	0.42
17:B:845:BCR:H24C	17:B:845:BCR:H371	1.69	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:D:19:LEU:HD21	6:D:59:TYR:HB3	2.01	0.42
6:D:29:TYR:HB2	6:D:60:ILE:HG13	2.01	0.42
2:a:166:GLY:HA2	17:a:844:BCR:HC22	2.02	0.42
4:b:273:MET:HE1	4:b:361:SER:O	2.18	0.42
4:b:341:HIS:CG	14:b:825:CLA:HAA1	2.54	0.42
4:b:555:PRO:HB2	5:c:62:PHE:CE1	2.55	0.42
4:b:653:TRP:CH2	4:b:733:ILE:HG21	2.55	0.42
14:b:802:CLA:HHD	17:b:848:BCR:H383	2.02	0.42
11:i:34:SER:HB3	12:l:111:LEU:HD21	2.01	0.42
12:l:51:PRO:HG3	14:l:203:CLA:HED2	2.01	0.42
2:G:226:LYS:HD3	2:G:253:LEU:HB3	2.01	0.42
2:G:643:ILE:HG21	14:G:801:CLA:CGA	2.50	0.42
4:N:686:VAL:O	4:N:690:GLU:HG2	2.20	0.42
14:N:804:CLA:H142	14:N:804:CLA:H111	1.79	0.42
4:n:12:LEU:HD11	4:n:23:TYR:HB3	2.02	0.42
14:n:823:CLA:H161	14:n:823:CLA:H143	1.72	0.42
17:t:103:BCR:H15C	17:t:103:BCR:H351	1.75	0.42
2:A:179:PHE:CE2	2:A:184:ARG:HB2	2.55	0.42
2:A:445:CYS:HB3	2:A:545:VAL:HG22	2.01	0.42
2:A:453:PHE:CE1	14:A:801:CLA:HHB	2.54	0.42
2:A:685:MET:HB2	14:A:853:CLA:NC	2.33	0.42
14:A:803:CLA:H11	14:A:803:CLA:H52	1.80	0.42
4:B:86:PRO:HB2	4:B:116:ALA:HB3	2.01	0.42
4:B:435:PHE:CZ	17:B:851:BCR:H372	2.53	0.42
14:B:819:CLA:H8	14:B:819:CLA:HAB	2.00	0.42
10:K:39:ILE:HD12	10:K:39:ILE:O	2.18	0.42
10:K:47:ALA:HA	10:K:58:GLY:HA2	2.00	0.42
14:a:804:CLA:H192	14:a:804:CLA:H161	1.71	0.42
4:b:465:GLN:HG2	4:b:476:TYR:CZ	2.54	0.42
4:b:630:TYR:O	4:b:634:ASN:HB2	2.18	0.42
14:b:811:CLA:H92	14:b:811:CLA:H61	1.68	0.42
17:b:850:BCR:H11C	17:b:850:BCR:H341	1.77	0.42
7:e:12:ARG:HD3	7:e:14:GLU:OE1	2.19	0.42
12:l:167:ILE:HD13	12:l:167:ILE:HA	1.87	0.42
14:G:814:CLA:C1C	17:G:843:BCR:H312	2.50	0.42
18:G:850:LHG:H322	18:G:850:LHG:H351	1.90	0.42
4:N:701:LYS:HB3	4:N:701:LYS:HE3	1.71	0.42
17:S:204:BCR:H341	17:S:204:BCR:H11C	1.71	0.42
12:W:64:LEU:O	12:W:68:MET:HG3	2.19	0.42
2:g:598:TRP:HE1	14:n:804:CLA:C1D	2.33	0.42
4:n:415:VAL:HA	4:n:418:HIS:CE1	2.55	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:n:719:HIS:HE1	14:n:840:CLA:ND	2.17	0.42
2:A:53:HIS:NE2	14:A:802:CLA:NA	2.67	0.42
4:B:652:VAL:HG11	14:B:809:CLA:HAC1	2.01	0.42
17:B:852:BCR:H361	17:B:852:BCR:H20C	1.82	0.42
2:a:538:ILE:HD12	19:a:851:CL0:H55	2.00	0.42
4:b:378:HIS:HB2	14:b:828:CLA:CHB	2.49	0.42
14:b:804:CLA:HBA2	14:b:804:CLA:H3A	1.92	0.42
14:b:806:CLA:H3A	14:b:806:CLA:HBA1	1.49	0.42
14:b:831:CLA:HAB	14:b:839:CLA:HBB2	2.00	0.42
14:l:202:CLA:C2B	14:l:203:CLA:HED1	2.50	0.42
2:G:53:HIS:CD2	18:G:849:LHG:H141	2.55	0.42
2:G:408:HIS:HE1	14:G:829:CLA:C4A	2.32	0.42
2:G:685:MET:HE3	15:G:841:PQN:C2M	2.49	0.42
14:G:801:CLA:C1B	14:N:805:CLA:HBB1	2.45	0.42
14:G:807:CLA:HBA2	14:G:807:CLA:H3A	1.35	0.42
14:G:823:CLA:HAC2	14:G:838:CLA:H172	2.02	0.42
14:G:827:CLA:H52	14:G:827:CLA:H8	1.89	0.42
14:N:851:CLA:H143	14:N:851:CLA:H112	1.81	0.42
7:R:56:ASP:OD2	7:R:56:ASP:C	2.62	0.42
12:W:71:GLY:HA3	12:W:150:GLY:HA2	2.02	0.42
2:g:658:VAL:HB	2:g:746:ALA:HB3	2.02	0.42
8:s:98:GLY:HA3	8:s:139:TRP:CE2	2.55	0.42
12:w:152:GLY:HA2	17:w:207:BCR:HC42	2.01	0.42
14:A:802:CLA:H161	14:A:802:CLA:H192	1.72	0.42
2:a:361:GLY:HA2	2:a:398:GLY:HA2	2.01	0.42
2:a:544:HIS:CE1	14:a:837:CLA:NA	2.88	0.42
8:f:45:ARG:H	8:f:57:ARG:HH22	1.66	0.42
2:G:351:ALA:HB1	17:G:846:BCR:HC22	2.00	0.42
2:G:412:PHE:CD1	2:G:416:ASP:HB2	2.54	0.42
2:G:650:PHE:HA	2:G:654:GLN:HG3	2.01	0.42
4:N:34:HIS:HB2	4:N:37:MET:HE3	2.01	0.42
4:N:54:LEU:HD12	4:N:54:LEU:HA	1.90	0.42
4:N:56:ILE:HD11	17:Y:101:BCR:HC7	2.02	0.42
4:N:182:LEU:HD11	14:N:815:CLA:H12	2.01	0.42
14:n:802:CLA:HBA1	14:n:802:CLA:H3A	1.41	0.42
14:n:808:CLA:CGA	14:n:808:CLA:C1A	2.98	0.42
10:u:48:LEU:HD13	10:u:54:PHE:HD2	1.85	0.42
10:u:52:LYS:HE3	10:u:52:LYS:HB3	1.62	0.42
12:w:53:TYR:HD1	12:w:130:PRO:HD3	1.85	0.42
2:A:89:SER:HB3	2:A:166:GLY:HA3	2.01	0.42
2:A:104:TRP:HZ3	2:A:149:ARG:HB2	1.85	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:A:433:HIS:CE1	14:A:830:CLA:ND	2.88	0.42
17:A:846:BCR:H20C	17:A:846:BCR:H361	1.90	0.42
4:B:89:HIS:CE1	4:B:114:ASN:HD22	2.37	0.42
4:B:127:ILE:HG22	14:B:819:CLA:HED2	2.02	0.42
4:B:351:TRP:CZ2	14:B:827:CLA:H3A	2.55	0.42
14:B:810:CLA:H8	14:B:810:CLA:H51	1.66	0.42
14:B:838:CLA:H3A	14:B:838:CLA:HBA2	1.87	0.42
3:x:34:LEU:HG	3:x:38:TYR:CE2	2.54	0.42
14:x:1701:CLA:H3A	14:x:1701:CLA:HBA1	1.61	0.42
4:b:74:PHE:O	4:b:78:ILE:HG12	2.20	0.42
4:b:174:ARG:O	4:b:178:HIS:HB2	2.20	0.42
14:b:802:CLA:HMD3	17:b:848:BCR:H383	2.02	0.42
14:b:805:CLA:HED3	14:b:805:CLA:HBD	1.74	0.42
12:l:53:TYR:HE1	12:l:126:VAL:HG21	1.85	0.42
2:G:197:MET:HB2	14:G:812:CLA:HBC2	2.01	0.42
14:G:827:CLA:H11	17:G:848:BCR:HC42	2.02	0.42
4:N:104:PHE:CZ	4:N:652:VAL:HG23	2.55	0.42
4:N:216:ALA:HB2	14:N:817:CLA:HED2	2.02	0.42
14:N:810:CLA:H143	14:N:810:CLA:H161	1.87	0.42
15:N:843:PQN:H261	15:N:843:PQN:H222	1.80	0.42
17:N:853:BCR:H383	14:T:102:CLA:C2D	2.50	0.42
17:U:103:BCR:H24C	17:U:103:BCR:H371	1.84	0.42
2:g:394:HIS:NE2	14:g:827:CLA:ND	2.68	0.42
2:g:432:ARG:HH12	6:q:13:ALA:HB3	1.84	0.42
2:g:572:ARG:HG2	2:g:722:THR:HG21	2.02	0.42
2:g:588:GLY:O	2:g:592:VAL:HG23	2.20	0.42
14:g:834:CLA:H3A	14:g:834:CLA:HBA2	1.73	0.42
4:n:145:PHE:HD1	4:n:145:PHE:HA	1.75	0.42
4:n:222:LEU:HG	14:n:815:CLA:C3D	2.50	0.42
14:n:806:CLA:H111	14:n:806:CLA:H72	1.59	0.42
14:n:808:CLA:H112	14:n:808:CLA:H72	1.72	0.42
14:n:825:CLA:HBA2	14:n:825:CLA:H3A	1.68	0.42
12:w:113:ALA:O	12:w:136:LYS:HG3	2.20	0.42
12:w:113:ALA:HB2	12:w:139:TRP:HB3	2.02	0.42
14:A:820:CLA:C4C	14:A:826:CLA:H152	2.49	0.42
14:A:821:CLA:HBA1	10:K:38:THR:HG21	2.02	0.42
4:B:378:HIS:HB2	14:B:828:CLA:CHB	2.50	0.42
2:a:263:PRO:HB3	2:a:268:ASN:HB3	2.00	0.42
2:a:297:HIS:CE1	2:a:301:ILE:HG13	2.55	0.42
14:a:801:CLA:HBB1	14:a:801:CLA:HMB3	2.02	0.42
4:b:330:TYR:CZ	14:b:825:CLA:NC	2.87	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:b:523:ASP:HA	4:b:526:VAL:HG22	2.00	0.42
6:d:85:ARG:HB3	6:d:93:THR:OG1	2.20	0.42
2:G:200:HIS:CE1	14:G:811:CLA:NA	2.88	0.42
2:G:532:ASP:HA	2:G:535:ILE:HG22	2.00	0.42
2:G:657:GLN:HG2	2:G:750:SER:HB2	2.01	0.42
14:G:812:CLA:H41	17:G:845:BCR:H17C	2.02	0.42
14:G:818:CLA:H203	14:G:826:CLA:H3A	2.02	0.42
4:N:367:LYS:HD3	4:N:367:LYS:HA	1.67	0.42
17:N:848:BCR:H361	17:N:848:BCR:H20C	1.86	0.42
14:N:851:CLA:H93	14:N:851:CLA:CAD	2.50	0.42
17:S:204:BCR:H15C	17:S:204:BCR:H12C	1.85	0.42
2:g:67:GLU:O	2:g:71:ARG:HG2	2.20	0.42
2:g:600:TYR:OH	19:g:851:CL0:H9	2.20	0.42
14:g:803:CLA:H143	17:g:844:BCR:HC41	2.01	0.42
14:g:833:CLA:O1A	14:g:834:CLA:HHB	2.20	0.42
14:g:837:CLA:H92	18:g:850:LHG:H383	2.02	0.42
19:g:851:CL0:H56	19:g:851:CL0:H51	1.93	0.42
4:n:101:ILE:O	4:n:105:THR:HG23	2.20	0.42
4:n:426:LEU:HG	4:n:539:LEU:HB2	2.01	0.42
4:n:610:GLN:HG2	4:n:740:PHE:HZ	1.84	0.42
8:s:38:GLN:H	8:s:38:GLN:HG3	1.67	0.42
11:v:35:PHE:CE2	18:v:102:LHG:H241	2.54	0.42
14:A:821:CLA:CHD	17:A:844:BCR:H382	2.50	0.42
14:A:826:CLA:HAB	14:A:834:CLA:HMA2	2.02	0.42
14:A:831:CLA:H192	14:A:831:CLA:H161	1.74	0.42
4:B:419:LYS:HD3	8:F:164:ARG:NH1	2.35	0.42
14:B:814:CLA:H42	17:B:844:BCR:H12C	2.01	0.42
14:B:833:CLA:HED2	14:B:833:CLA:H2A	2.02	0.42
5:C:15:THR:O	5:C:19:ARG:HB2	2.20	0.42
2:a:264:PHE:CZ	17:a:843:BCR:H343	2.54	0.42
2:a:606:VAL:HG21	14:a:835:CLA:HBB2	2.01	0.42
2:a:731:HIS:CE1	14:a:839:CLA:NA	2.87	0.42
14:a:819:CLA:H61	14:a:819:CLA:H41	1.80	0.42
14:a:852:CLA:HBA2	4:b:431:LEU:HD23	2.02	0.42
14:b:803:CLA:H61	14:b:803:CLA:H41	1.71	0.42
17:b:845:BCR:H371	17:b:845:BCR:H24C	1.69	0.42
8:f:86:PHE:C	8:f:89:PRO:HD2	2.43	0.42
2:G:15:VAL:HG11	14:G:809:CLA:HAA2	2.02	0.41
2:G:264:PHE:HB2	2:G:272:TYR:HE2	1.84	0.41
2:G:537:HIS:HE1	14:G:837:CLA:ND	2.17	0.41
2:G:578:PRO:HD3	4:N:568:GLY:HA2	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:G:817:CLA:H93	14:G:817:CLA:H111	1.84	0.41
15:G:841:PQN:H12	15:G:841:PQN:H162	1.77	0.41
4:N:104:PHE:HZ	4:N:652:VAL:HG23	1.85	0.41
4:N:522:GLY:O	4:N:526:VAL:HG23	2.20	0.41
14:N:809:CLA:HMA1	14:N:810:CLA:CHB	2.49	0.41
17:N:853:BCR:H371	17:N:853:BCR:H24C	1.84	0.41
2:g:282:LEU:HD11	2:g:375:PRO:HD2	2.01	0.41
14:g:805:CLA:H2	14:g:807:CLA:H2	2.02	0.41
14:g:822:CLA:HMD3	17:g:846:BCR:H321	2.01	0.41
14:g:827:CLA:C2	17:g:845:BCR:H24C	2.49	0.41
14:g:832:CLA:HHD	14:n:809:CLA:HBB2	2.02	0.41
14:g:837:CLA:NC	18:g:850:LHG:H332	2.35	0.41
4:n:216:ALA:HA	14:n:815:CLA:HED2	2.02	0.41
4:n:443:HIS:CD2	4:n:457:ILE:HG13	2.54	0.41
4:n:653:TRP:CZ2	4:n:733:ILE:HG21	2.54	0.41
14:n:829:CLA:H202	14:n:829:CLA:H162	1.84	0.41
2:A:310:HIS:NE2	14:A:819:CLA:NA	2.68	0.41
14:A:805:CLA:H62	14:A:805:CLA:H41	1.62	0.41
14:A:818:CLA:HAB	14:A:818:CLA:H8	2.02	0.41
14:A:827:CLA:H61	14:A:827:CLA:H41	1.81	0.41
4:B:378:HIS:HE2	14:B:829:CLA:C1B	2.33	0.41
4:B:651:SER:OG	14:B:810:CLA:HBC1	2.21	0.41
14:B:806:CLA:H92	14:B:814:CLA:H2	2.02	0.41
17:B:848:BCR:H20C	17:B:848:BCR:H361	1.78	0.41
8:F:83:ALA:HB3	9:J:48:LEU:HD11	2.01	0.41
17:J:103:BCR:H11C	17:J:103:BCR:H341	1.79	0.41
2:a:117:VAL:O	14:a:807:CLA:HED2	2.20	0.41
2:a:149:ARG:HD3	2:a:378:PRO:HB2	2.02	0.41
2:a:397:ILE:HD12	14:a:804:CLA:H143	2.01	0.41
14:a:828:CLA:H122	14:a:828:CLA:H162	1.80	0.41
4:b:150:LEU:HD22	13:m:23:ALA:HA	2.02	0.41
4:b:223:GLN:HB3	4:b:224:PRO:HD3	2.02	0.41
4:b:619:ASN:O	4:b:625:GLY:HA3	2.19	0.41
14:b:826:CLA:H111	14:b:826:CLA:H72	1.69	0.41
14:b:832:CLA:H62	8:f:147:LEU:HD22	2.02	0.41
17:b:846:BCR:H24C	17:b:846:BCR:H371	1.90	0.41
17:l:205:BCR:H351	17:l:205:BCR:H15C	1.76	0.41
2:G:361:GLY:O	2:G:365:ILE:HG13	2.20	0.41
2:G:495:PRO:HB3	2:G:502:ALA:O	2.20	0.41
14:G:808:CLA:H162	14:G:808:CLA:H141	1.82	0.41
14:G:835:CLA:H3A	14:G:835:CLA:HBA2	1.87	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:N:820:CLA:HBB2	14:N:820:CLA:H151	2.01	0.41
6:Q:58:LEU:HD12	12:W:29:GLN:HG2	2.02	0.41
9:T:38:ARG:HD3	17:T:104:BCR:HC22	2.02	0.41
2:g:373:ALA:HA	2:g:523:MET:HE3	2.02	0.41
2:g:731:HIS:HE1	14:g:839:CLA:ND	2.17	0.41
4:n:276:HIS:HB2	14:n:817:CLA:CHB	2.50	0.41
4:n:528:HIS:NE2	14:n:837:CLA:NB	2.68	0.41
4:n:531:ALA:HB2	14:n:837:CLA:HMA3	2.02	0.41
14:n:832:CLA:HMB1	17:n:849:BCR:H12C	2.02	0.41
2:A:43:PRO:HB3	2:A:48:TRP:CD2	2.55	0.41
2:A:442:ASN:O	2:A:446:ILE:HG13	2.20	0.41
18:A:850:LHG:H111	18:A:850:LHG:H142	1.73	0.41
14:A:855:CLA:HMA2	17:B:848:BCR:C37	2.50	0.41
4:B:650:LEU:HD12	4:B:650:LEU:O	2.20	0.41
7:E:56:ASP:OD2	7:E:56:ASP:C	2.63	0.41
14:K:101:CLA:HBA2	14:K:101:CLA:H3A	1.47	0.41
2:a:81:LEU:HD21	14:a:811:CLA:H12	2.03	0.41
2:a:554:VAL:HG21	17:a:847:BCR:HC31	2.02	0.41
2:a:674:LEU:HD23	2:a:674:LEU:HA	1.84	0.41
14:a:839:CLA:H203	14:f:202:CLA:HBB2	2.01	0.41
18:a:849:LHG:H291	18:a:849:LHG:H262	1.68	0.41
17:l:206:BCR:H15C	17:l:206:BCR:H351	1.78	0.41
2:G:320:HIS:HB3	2:G:325:ILE:HD11	2.02	0.41
14:G:806:CLA:H92	14:G:808:CLA:H71	2.02	0.41
14:G:812:CLA:H93	14:G:812:CLA:H61	1.91	0.41
14:G:837:CLA:CBB	14:G:838:CLA:HBC3	2.49	0.41
3:H:21:ARG:HB2	14:N:832:CLA:H42	2.03	0.41
14:N:822:CLA:H3A	14:N:822:CLA:HBA2	1.36	0.41
17:N:844:BCR:H341	17:N:844:BCR:H11C	1.78	0.41
10:U:15:GLU:OE2	10:U:15:GLU:N	2.48	0.41
2:g:538:ILE:HG21	19:g:851:CL0:H60	2.01	0.41
14:g:804:CLA:H193	14:g:804:CLA:H161	1.81	0.41
4:n:22:TRP:CG	4:n:711:GLN:HE22	2.38	0.41
4:n:680:GLU:O	4:n:684:THR:HG23	2.19	0.41
14:n:840:CLA:H61	14:n:840:CLA:H41	1.73	0.41
8:s:25:GLY:O	8:s:28:LEU:HG	2.20	0.41
14:A:801:CLA:O2A	4:B:658:LEU:HB3	2.21	0.41
4:B:664:TRP:CZ3	14:B:804:CLA:HHB	2.55	0.41
17:B:843:BCR:H11C	17:B:843:BCR:H341	1.84	0.41
5:C:66:ARG:HD3	5:C:66:ARG:HA	1.77	0.41
5:C:73:THR:H	5:C:76:SER:HB2	1.85	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:a:116:GLN:HG2	2:a:138:ILE:HD12	2.02	0.41
2:a:747:HIS:O	2:a:751:VAL:HG22	2.21	0.41
12:l:70:HIS:HE1	14:l:203:CLA:C4D	2.33	0.41
4:N:196:HIS:CE1	14:N:817:CLA:NA	2.89	0.41
4:N:552:LYS:HD2	4:N:552:LYS:HA	1.74	0.41
6:Q:65:TYR:CD2	6:Q:65:TYR:N	2.89	0.41
11:V:21:VAL:HA	11:V:24:ILE:HG22	2.02	0.41
12:W:85:ARG:HG3	12:W:86:ASP:OD2	2.21	0.41
2:g:213:TRP:O	2:g:217:LEU:HG	2.20	0.41
2:g:393:HIS:HE2	14:g:827:CLA:C1B	2.33	0.41
4:n:158:GLN:O	4:n:162:ARG:HG3	2.19	0.41
4:n:318:PRO:HD2	4:n:323:HIS:HB2	2.02	0.41
4:n:369:TYR:HB3	4:n:609:TRP:CZ3	2.55	0.41
14:n:807:CLA:HHB	14:n:808:CLA:HMB3	2.01	0.41
12:w:17:ASN:OD1	12:w:18:ARG:HG3	2.20	0.41
2:A:599:MET:SD	2:A:599:MET:C	3.04	0.41
14:A:817:CLA:H111	14:A:817:CLA:H91	1.83	0.41
4:B:32:GLU:H	4:B:32:GLU:HG3	1.67	0.41
7:E:32:ILE:HD11	7:E:35:PRO:HA	2.02	0.41
2:a:547:VAL:HG21	14:a:837:CLA:HMA1	2.02	0.41
14:a:802:CLA:H11	14:a:802:CLA:H52	1.77	0.41
4:b:178:HIS:O	4:b:182:LEU:HB3	2.20	0.41
4:b:305:MET:HE3	4:b:305:MET:HB3	1.90	0.41
4:b:427:SER:HA	4:b:539:LEU:HD22	2.02	0.41
14:b:807:CLA:HBA1	14:b:807:CLA:H11	1.72	0.41
17:b:852:BCR:H15C	17:b:852:BCR:H351	1.75	0.41
5:c:43:PRO:HG2	5:c:44:ARG:HE	1.85	0.41
8:f:88:ILE:HB	8:f:89:PRO:HD3	2.01	0.41
14:l:202:CLA:C1B	14:l:203:CLA:HED1	2.50	0.41
2:G:408:HIS:CE1	14:G:829:CLA:NA	2.88	0.41
14:G:813:CLA:H61	14:G:813:CLA:H2	1.79	0.41
14:G:831:CLA:H192	14:G:831:CLA:H161	1.82	0.41
4:N:304:MET:HE2	4:N:304:MET:HB3	1.82	0.41
15:N:843:PQN:H192	15:N:843:PQN:H162	1.82	0.41
12:W:70:HIS:HE1	14:W:203:CLA:C4D	2.34	0.41
19:g:851:CL0:H66	14:g:853:CLA:C2B	2.50	0.41
4:n:592:ASN:HB2	14:n:802:CLA:HBC2	2.02	0.41
4:n:603:TRP:CZ2	4:n:629:ASP:HB2	2.55	0.41
4:n:679:GLN:HE21	4:n:683:GLU:HG3	1.85	0.41
14:n:809:CLA:H142	21:n:848:LMG:H211	2.03	0.41
17:n:847:BCR:H11C	17:n:847:BCR:H341	1.90	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:n:850:CLA:H43	9:t:36:PHE:CD1	2.56	0.41
8:s:64:ALA:HA	8:s:82:ARG:HH21	1.84	0.41
11:v:25:GLY:O	11:v:29:PRO:HG2	2.21	0.41
2:A:351:ALA:HB1	17:A:847:BCR:HC22	2.03	0.41
2:A:539:HIS:HE1	2:A:605:ILE:HG22	1.86	0.41
17:A:847:BCR:H381	18:A:851:LHG:H222	2.02	0.41
3:X:18:TYR:CD1	18:X:1702:LHG:H282	2.56	0.41
4:B:275:HIS:HE1	14:B:817:CLA:C4D	2.33	0.41
14:B:803:CLA:H3A	14:B:803:CLA:HBA1	1.36	0.41
14:B:831:CLA:H3A	14:B:832:CLA:OBD	2.20	0.41
17:J:103:BCR:H24C	17:J:103:BCR:H371	1.87	0.41
12:L:18:ARG:HD2	12:L:18:ARG:H	1.86	0.41
12:L:26:ARG:HB2	12:L:26:ARG:CZ	2.51	0.41
14:a:807:CLA:HMA1	9:j:34:ILE:HD12	2.01	0.41
14:a:831:CLA:HBB1	14:a:831:CLA:HMB3	2.01	0.41
14:a:832:CLA:H122	17:i:102:BCR:H372	2.02	0.41
15:b:842:PQN:H192	17:b:848:BCR:H23C	2.01	0.41
2:G:386:THR:O	2:G:390:ILE:HG12	2.21	0.41
2:G:662:TYR:HD2	4:N:448:VAL:HG12	1.85	0.41
14:G:804:CLA:H12	14:G:805:CLA:CBB	2.50	0.41
4:N:24:ALA:O	14:N:806:CLA:HMD2	2.20	0.41
4:N:100:ALA:O	4:N:104:PHE:HD1	2.04	0.41
4:N:597:VAL:HG21	14:N:838:CLA:CBB	2.50	0.41
14:N:820:CLA:H8	14:N:820:CLA:CAB	2.50	0.41
6:Q:111:GLU:HG2	6:Q:113:VAL:HG23	2.02	0.41
2:g:216:HIS:CE1	14:g:812:CLA:NA	2.88	0.41
14:g:828:CLA:H92	14:g:828:CLA:H61	1.76	0.41
14:g:830:CLA:H93	14:g:830:CLA:H112	1.84	0.41
17:n:842:BCR:H24C	17:n:842:BCR:H371	1.86	0.41
5:p:58:CYS:HA	16:p:102:SF4:S4	2.60	0.41
14:s:201:CLA:H93	14:s:201:CLA:H62	1.72	0.41
12:w:70:HIS:HE1	14:w:204:CLA:C4D	2.32	0.41
12:w:80:LYS:HD3	12:w:80:LYS:HA	1.82	0.41
17:w:207:BCR:H24C	17:w:207:BCR:H371	1.89	0.41
2:A:235:LYS:HE2	2:A:235:LYS:HB3	1.96	0.41
2:A:553:GLY:O	2:A:557:ALA:HB2	2.20	0.41
4:B:409:GLY:H	4:B:413:GLU:CD	2.29	0.41
14:a:820:CLA:HBA2	14:a:820:CLA:H3A	1.14	0.41
14:a:823:CLA:H143	14:a:823:CLA:H111	1.77	0.41
4:b:600:TYR:HA	4:b:626:TRP:HH2	1.86	0.41
4:b:664:TRP:CZ3	14:b:804:CLA:HHB	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:b:821:CLA:H3A	14:b:821:CLA:HBA2	1.56	0.41
14:b:824:CLA:H142	14:b:824:CLA:H112	1.86	0.41
14:b:824:CLA:HBB1	14:b:831:CLA:HBC2	2.02	0.41
6:d:77:LYS:HB2	6:d:77:LYS:HE2	1.90	0.41
2:G:461:THR:HG23	14:N:811:CLA:HMC3	2.03	0.41
14:G:802:CLA:C2B	17:T:104:BCR:H393	2.51	0.41
19:G:851:CL0:H18	14:N:804:CLA:HBC2	2.02	0.41
4:N:86:PRO:HB2	4:N:116:ALA:HB3	2.02	0.41
14:N:817:CLA:C3B	17:N:844:BCR:H333	2.51	0.41
2:g:425:ASN:O	2:g:429:ARG:HG3	2.21	0.41
2:g:668:ALA:HA	2:g:671:LEU:HD12	2.02	0.41
17:g:845:BCR:H20C	17:g:845:BCR:H361	1.88	0.41
4:n:581:ASP:HA	4:n:584:TYR:HB3	2.02	0.41
14:n:826:CLA:H152	17:n:846:BCR:H17C	2.03	0.41
14:n:831:CLA:HAB	14:n:832:CLA:H202	2.03	0.41
14:n:839:CLA:H41	14:n:839:CLA:H62	1.87	0.41
2:A:249:LEU:HD22	2:A:249:LEU:H	1.86	0.41
2:A:486:TRP:CZ2	2:A:490:LEU:HD11	2.55	0.41
14:A:808:CLA:H141	14:A:808:CLA:H162	1.81	0.41
14:A:819:CLA:H92	14:A:819:CLA:H61	1.91	0.41
14:A:853:CLA:O1A	4:B:434:GLY:HA3	2.21	0.41
4:B:18:THR:HG22	4:B:702:ASP:HB2	2.03	0.41
14:B:818:CLA:H71	14:B:818:CLA:H111	1.57	0.41
17:B:847:BCR:H20C	17:B:847:BCR:H361	1.94	0.41
2:a:456:TYR:HE1	2:a:534:LEU:HB3	1.84	0.41
14:b:818:CLA:H202	14:b:818:CLA:H162	1.84	0.41
14:b:838:CLA:H112	14:b:838:CLA:H142	1.74	0.41
2:G:264:PHE:HZ	17:G:843:BCR:H343	1.86	0.41
2:G:342:TYR:O	2:G:346:THR:HB	2.21	0.41
2:G:412:PHE:CD2	17:G:846:BCR:HC32	2.56	0.41
14:G:831:CLA:HBB1	14:N:801:CLA:HAA2	2.02	0.41
19:G:851:CL0:H15	4:N:631:LEU:HD13	2.02	0.41
3:H:20:PHE:CD2	20:H:1702:SQD:H441	2.56	0.41
17:N:847:BCR:H351	17:N:847:BCR:H15C	1.68	0.41
17:N:848:BCR:H351	17:N:848:BCR:H15C	1.71	0.41
2:g:300:ALA:HB1	14:g:815:CLA:HBC2	2.03	0.41
2:g:639:SER:O	2:g:645:GLY:HA3	2.21	0.41
14:g:839:CLA:HAB	14:g:852:CLA:H151	2.02	0.41
14:g:840:CLA:NA	14:g:840:CLA:H12	2.36	0.41
4:n:532:LEU:HD21	14:n:802:CLA:HBB1	2.03	0.41
14:n:840:CLA:HBA1	14:n:840:CLA:H3A	1.81	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:n:847:BCR:H15C	17:n:847:BCR:H351	1.83	0.41
12:w:70:HIS:HE1	14:w:204:CLA:ND	2.19	0.41
20:w:202:SQD:H131	20:w:202:SQD:H102	1.61	0.41
17:A:844:BCR:H15C	17:A:844:BCR:H351	1.82	0.41
4:B:330:TYR:CZ	14:B:825:CLA:NC	2.88	0.41
4:B:445:ASP:OD1	4:B:622:TYR:HB2	2.21	0.41
4:B:597:VAL:HG23	14:B:837:CLA:HHC	2.03	0.41
14:B:828:CLA:HBC3	21:B:849:LMG:H421	2.03	0.41
14:B:838:CLA:H2	14:B:838:CLA:H62	1.74	0.41
14:B:838:CLA:H151	14:B:850:CLA:HBC1	2.02	0.41
13:M:18:ILE:HB	13:M:19:PRO:HD3	2.03	0.41
14:a:801:CLA:H3A	14:a:801:CLA:HBA1	1.87	0.41
14:a:804:CLA:H41	14:a:828:CLA:H92	2.03	0.41
14:a:810:CLA:H91	14:a:810:CLA:H112	1.80	0.41
14:a:818:CLA:H41	14:a:818:CLA:H61	1.87	0.41
14:a:818:CLA:HBA1	14:a:818:CLA:H3A	1.96	0.41
4:b:275:HIS:HE1	14:b:817:CLA:C4D	2.34	0.41
14:b:807:CLA:H162	14:b:807:CLA:H143	1.81	0.41
14:b:820:CLA:C1C	14:b:825:CLA:H141	2.42	0.41
2:G:77:HIS:CE1	14:G:804:CLA:C4D	3.04	0.41
2:G:221:SER:O	2:G:225:ASN:HB2	2.20	0.41
2:G:300:ALA:HB1	14:G:816:CLA:HBC2	2.02	0.41
2:G:357:LEU:HD12	2:G:357:LEU:HA	1.90	0.41
14:G:814:CLA:CAB	17:G:843:BCR:H333	2.51	0.41
4:N:426:LEU:HG	14:N:840:CLA:CBB	2.51	0.41
14:N:813:CLA:H43	14:N:814:CLA:ND	2.36	0.41
17:N:844:BCR:H361	17:N:844:BCR:H20C	1.83	0.41
12:W:36:PRO:O	12:W:40:SER:HB2	2.20	0.41
12:W:57:LEU:HD22	12:W:61:ARG:HG2	2.03	0.41
2:g:220:VAL:C	2:g:223:PRO:HD2	2.46	0.41
2:g:290:TRP:O	2:g:294:ILE:HG13	2.21	0.41
2:g:572:ARG:HG3	2:g:589:TRP:CG	2.56	0.41
2:g:590:ASP:HA	2:g:593:PHE:HB3	2.03	0.41
14:g:826:CLA:O1D	14:g:827:CLA:HHB	2.21	0.41
14:g:836:CLA:H93	14:g:836:CLA:H111	1.92	0.41
17:g:844:BCR:H361	17:g:844:BCR:H20C	1.81	0.41
17:g:846:BCR:H24C	17:g:846:BCR:H371	1.82	0.41
14:h:1701:CLA:HBA1	14:h:1701:CLA:H3A	1.45	0.41
4:n:12:LEU:HD23	4:n:12:LEU:HA	1.86	0.41
4:n:29:ASN:HB3	14:n:805:CLA:HAB	2.01	0.41
4:n:341:HIS:HD2	14:n:805:CLA:OBD	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:n:614:ALA:O	4:n:618:GLU:HG2	2.21	0.41
4:n:658:LEU:HD23	4:n:658:LEU:HA	1.95	0.41
14:n:825:CLA:H141	14:n:825:CLA:H162	1.92	0.41
17:n:847:BCR:H361	17:n:847:BCR:H20C	1.83	0.41
5:p:6:LYS:HD2	6:q:114:ARG:HB3	2.02	0.41
5:p:16:GLN:HB3	5:p:57:ALA:HB1	2.02	0.41
5:p:66:ARG:HD2	5:p:66:ARG:HA	1.86	0.41
17:t:104:BCR:H15C	17:t:104:BCR:H351	1.83	0.41
17:u:103:BCR:H361	17:u:103:BCR:H20C	1.81	0.41
12:w:36:PRO:O	12:w:40:SER:HB2	2.20	0.41
17:w:201:BCR:H24C	17:w:201:BCR:H371	1.81	0.41
17:w:201:BCR:H402	14:w:204:CLA:H52	2.02	0.41
2:A:21:PRO:HG3	2:A:185:ALA:HB2	2.03	0.41
2:A:392:THR:HG22	2:A:607:ILE:HB	2.02	0.41
2:A:539:HIS:CE1	2:A:605:ILE:HG22	2.56	0.41
2:A:561:ARG:CZ	6:D:17:GLY:HA2	2.51	0.41
14:A:808:CLA:H92	14:A:808:CLA:H61	1.86	0.41
14:A:808:CLA:HHB	9:J:34:ILE:HD13	2.02	0.41
14:A:821:CLA:H3A	14:A:821:CLA:HBA2	1.25	0.41
14:A:831:CLA:H92	14:A:831:CLA:H61	1.83	0.41
4:B:86:PRO:HB3	4:B:121:TYR:CG	2.56	0.41
4:B:142:LEU:HD23	4:B:142:LEU:HA	1.92	0.41
4:B:393:HIS:CE1	14:B:830:CLA:NA	2.88	0.41
4:B:552:LYS:HD3	8:F:162:SER:HA	2.02	0.41
14:B:806:CLA:HBA1	14:B:806:CLA:H3A	1.43	0.41
14:B:834:CLA:H11	14:B:834:CLA:HBA2	1.75	0.41
14:B:838:CLA:HBC2	17:B:852:BCR:HC7	2.03	0.41
17:B:851:BCR:H15C	17:B:851:BCR:H351	1.83	0.41
8:F:88:ILE:HG21	9:J:46:HIS:CD2	2.56	0.41
17:I:103:BCR:C26	14:L:1502:CLA:HAC2	2.51	0.41
2:a:153:ILE:HG21	2:a:159:LEU:HG	2.03	0.41
2:a:247:LYS:HB2	2:a:247:LYS:HE2	1.86	0.41
2:a:585:GLN:HG2	2:a:590:ASP:HB3	2.03	0.41
14:a:826:CLA:H152	14:b:803:CLA:H162	2.03	0.41
4:b:196:HIS:CE1	14:b:816:CLA:NA	2.89	0.41
4:b:378:HIS:HB2	14:b:828:CLA:C1B	2.51	0.41
4:b:689:HIS:HE1	4:b:698:VAL:O	2.03	0.41
14:b:809:CLA:C1A	14:b:809:CLA:CGA	2.99	0.41
14:b:813:CLA:HBA2	14:b:813:CLA:H12	1.86	0.41
9:j:43:LEU:HD23	9:j:43:LEU:HA	1.86	0.41
17:k:102:BCR:H371	17:k:102:BCR:H24C	1.79	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:i:26:TRP:CZ2	17:i:102:BCR:H333	2.55	0.41
12:l:46:PHE:HZ	14:l:202:CLA:HBB2	1.86	0.41
17:l:206:BCR:H371	17:l:206:BCR:H24C	1.82	0.41
3:H:16:PRO:N	3:H:17:PRO:HD2	2.36	0.41
14:N:803:CLA:H3A	14:N:803:CLA:HBA1	1.39	0.41
10:U:74:VAL:HA	10:U:77:VAL:HG12	2.03	0.41
17:Y:101:BCR:H11C	17:Y:101:BCR:H341	1.89	0.41
2:g:105:LEU:HB3	2:g:234:VAL:HG21	2.03	0.41
2:g:276:LEU:HB2	14:g:815:CLA:HMA2	2.03	0.41
2:g:462:MET:HG3	2:g:470:ASP:O	2.21	0.41
2:g:547:VAL:HG21	14:g:837:CLA:HMA1	2.02	0.41
2:g:723:GLN:O	2:g:727:VAL:HG12	2.21	0.41
4:n:275:HIS:HE1	14:n:816:CLA:C4D	2.34	0.41
4:B:431:LEU:HD21	17:B:851:BCR:H402	2.02	0.41
4:B:436:HIS:HB3	17:B:852:BCR:H312	2.02	0.41
4:B:721:THR:HG23	21:B:849:LMG:H411	2.02	0.41
14:B:841:CLA:CBC	15:B:842:PQN:H2M2	2.51	0.41
13:M:11:ILE:HA	13:M:14:VAL:HG12	2.02	0.41
13:M:16:ALA:C	13:M:19:PRO:HD2	2.46	0.41
2:a:15:VAL:HA	2:a:190:TRP:HD1	1.86	0.41
2:a:370:HIS:NE2	14:a:825:CLA:NB	2.69	0.41
2:a:723:GLN:HA	18:a:849:LHG:HC5	2.02	0.41
14:a:806:CLA:H162	14:a:806:CLA:H193	1.85	0.41
14:a:824:CLA:HBA2	14:a:824:CLA:H3A	1.78	0.41
4:b:525:LEU:HD23	4:b:525:LEU:HA	1.95	0.41
14:G:805:CLA:H112	14:G:805:CLA:H152	1.93	0.40
17:G:843:BCR:H11C	17:G:843:BCR:H341	1.66	0.40
2:g:91:MET:SD	14:g:806:CLA:HAA2	2.61	0.40
2:g:357:LEU:HD23	2:g:357:LEU:HA	1.95	0.40
2:g:578:PRO:HD3	4:n:568:GLY:HA2	2.02	0.40
2:g:599:MET:HG3	14:g:824:CLA:HBC1	2.02	0.40
14:g:830:CLA:H12	4:n:693:PRO:HG2	2.02	0.40
17:g:843:BCR:H341	17:g:843:BCR:H11C	1.64	0.40
14:g:852:CLA:H3A	14:g:852:CLA:CGA	2.50	0.40
4:n:301:ILE:HG21	14:n:824:CLA:HAC1	2.03	0.40
14:n:820:CLA:H3A	14:n:820:CLA:HBA2	1.41	0.40
17:n:843:BCR:H351	17:n:843:BCR:H15C	1.77	0.40
17:t:104:BCR:H361	17:t:104:BCR:H20C	1.81	0.40
17:w:207:BCR:H11C	17:w:207:BCR:H341	1.83	0.40
2:A:296:HIS:HE1	14:A:816:CLA:C4D	2.34	0.40
14:A:810:CLA:H112	14:A:810:CLA:H72	1.92	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:826:CLA:H62	14:A:826:CLA:H93	1.67	0.40
14:A:838:CLA:CED	14:A:838:CLA:H2A	2.51	0.40
4:B:181:GLY:HA3	14:B:814:CLA:CBB	2.48	0.40
14:B:809:CLA:H141	14:B:809:CLA:HBA2	2.03	0.40
14:B:811:CLA:H2A	14:B:811:CLA:O1D	2.21	0.40
2:a:107:ASP:HB3	2:a:111:VAL:HG23	2.02	0.40
4:b:167:TRP:CZ2	14:b:812:CLA:HHB	2.56	0.40
4:b:665:ALA:O	4:b:668:PHE:HB2	2.21	0.40
17:b:844:BCR:H24C	17:b:844:BCR:H371	1.89	0.40
2:G:43:PRO:HB3	2:G:48:TRP:CD2	2.56	0.40
2:G:434:ARG:HB2	2:G:555:LEU:HD13	2.03	0.40
2:G:741:TRP:HD1	14:G:827:CLA:HMB2	1.86	0.40
14:G:825:CLA:H42	14:G:836:CLA:H12	2.03	0.40
17:G:847:BCR:H24C	17:G:847:BCR:H371	1.87	0.40
3:H:44:GLN:NE2	4:N:488:VAL:HG12	2.35	0.40
3:H:44:GLN:HE22	4:N:488:VAL:HG12	1.86	0.40
4:N:432:PHE:CZ	17:N:853:BCR:HC41	2.56	0.40
4:N:534:LEU:HD13	14:N:827:CLA:C4C	2.51	0.40
14:N:811:CLA:H51	14:N:811:CLA:H8	1.71	0.40
6:Q:105:LYS:HE3	6:Q:105:LYS:HB3	1.81	0.40
17:W:205:BCR:H11C	17:W:205:BCR:H341	1.89	0.40
2:g:705:HIS:NE2	14:g:838:CLA:NA	2.69	0.40
14:g:807:CLA:HBA1	17:t:104:BCR:H12C	2.04	0.40
14:g:837:CLA:H2	14:g:837:CLA:H62	1.76	0.40
4:n:48:ALA:HB3	13:y:30:LEU:HD21	2.03	0.40
4:n:433:LEU:HB3	4:n:532:LEU:HB2	2.02	0.40
4:n:593:THR:O	4:n:597:VAL:HG23	2.20	0.40
2:A:539:HIS:HB3	14:A:836:CLA:HAB	2.02	0.40
17:A:849:BCR:H15C	17:A:849:BCR:H351	1.86	0.40
18:A:851:LHG:HC91	18:A:851:LHG:H122	1.98	0.40
4:B:381:TYR:O	4:B:384:ILE:HG13	2.21	0.40
17:B:851:BCR:H11C	17:B:851:BCR:H341	1.81	0.40
10:K:67:ALA:O	10:K:71:ILE:HG23	2.20	0.40
2:a:202:LEU:HA	2:a:206:LEU:HD12	2.03	0.40
14:a:823:CLA:H202	14:a:823:CLA:H161	1.85	0.40
14:a:830:CLA:CHA	14:a:830:CLA:HBA1	2.51	0.40
17:a:848:BCR:H15C	17:a:848:BCR:H351	1.88	0.40
4:b:56:ILE:HG12	17:m:102:BCR:H343	2.03	0.40
14:b:808:CLA:HAA1	11:i:21:VAL:HG22	2.03	0.40
14:b:812:CLA:H61	14:b:812:CLA:H2	1.81	0.40
7:e:55:VAL:HA	7:e:58:LEU:HD12	2.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:G:147:VAL:HG22	2:G:377:TYR:CZ	2.57	0.40
14:G:803:CLA:HED1	14:G:810:CLA:HED2	2.02	0.40
14:G:814:CLA:C3B	17:G:843:BCR:H333	2.51	0.40
4:N:91:ILE:HB	4:N:112:PRO:HB2	2.03	0.40
14:N:815:CLA:H143	14:N:815:CLA:H112	1.71	0.40
14:N:826:CLA:H141	14:N:826:CLA:H161	1.89	0.40
14:N:829:CLA:H93	14:N:829:CLA:H111	1.82	0.40
5:P:36:ALA:O	5:P:38:GLN:HG2	2.21	0.40
2:g:278:PHE:CZ	14:g:834:CLA:HED1	2.56	0.40
2:g:597:PHE:HE1	2:g:732:TYR:CG	2.39	0.40
14:g:804:CLA:HBA2	14:g:804:CLA:HED3	2.03	0.40
4:n:177:HIS:CE1	14:n:812:CLA:NA	2.89	0.40
6:q:23:ALA:HA	6:q:27:GLU:O	2.22	0.40
7:r:36:VAL:O	7:r:52:ASN:HA	2.22	0.40
2:A:239:LEU:HB2	2:A:242:GLU:HG3	2.03	0.40
2:A:491:HIS:NE2	14:A:834:CLA:NA	2.70	0.40
4:B:433:LEU:HD11	14:B:838:CLA:HMB1	2.03	0.40
4:B:531:ALA:HB2	14:B:838:CLA:HMA3	2.04	0.40
14:B:814:CLA:H152	17:B:844:BCR:H322	2.03	0.40
2:a:55:LEU:HD11	18:a:849:LHG:HC11	2.03	0.40
2:a:396:TRP:HB3	14:a:826:CLA:HMC2	2.03	0.40
2:a:605:ILE:HD12	19:a:851:CL0:H53	2.02	0.40
14:a:826:CLA:H11	17:a:848:BCR:HC42	2.02	0.40
4:b:287:ALA:HB2	14:b:820:CLA:HBC2	2.03	0.40
14:b:807:CLA:H151	14:b:807:CLA:H111	1.71	0.40
14:b:830:CLA:H112	14:b:830:CLA:H143	1.82	0.40
17:b:844:BCR:H351	17:b:844:BCR:H15C	1.77	0.40
10:k:24:MET:CE	10:k:70:HIS:HA	2.51	0.40
1:1:215:LEU:HD13	1:1:215:LEU:HA	1.93	0.40
2:G:73:ILE:HD12	14:G:804:CLA:C2C	2.52	0.40
2:G:294:ILE:HG23	14:G:818:CLA:HMA3	2.04	0.40
2:G:462:MET:HA	2:G:462:MET:HE3	2.02	0.40
14:G:804:CLA:H203	14:G:812:CLA:H71	2.04	0.40
14:G:825:CLA:HBA2	14:G:825:CLA:H3A	1.79	0.40
14:G:832:CLA:HAA1	17:W:201:BCR:C35	2.52	0.40
19:G:851:CL0:H57	19:G:851:CL0:H60	1.94	0.40
3:H:20:PHE:HD1	21:N:802:LMG:H112	1.86	0.40
14:H:1701:CLA:HBA2	17:S:204:BCR:H393	2.04	0.40
4:N:29:ASN:HD21	14:N:806:CLA:CHC	2.34	0.40
4:N:351:TRP:HE1	4:N:355:HIS:CE1	2.39	0.40
14:N:801:CLA:HBB1	14:N:841:CLA:C3D	2.51	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:N:813:CLA:H11	12:l:42:LEU:HD21	2.02	0.40
14:N:819:CLA:H93	14:N:819:CLA:H61	1.87	0.40
14:N:834:CLA:H2	17:N:852:BCR:H333	2.03	0.40
12:W:56:GLY:HA3	12:w:136:LYS:HD2	2.04	0.40
17:Y:101:BCR:H20C	17:Y:101:BCR:H361	1.88	0.40
2:g:216:HIS:HB2	14:g:812:CLA:C1C	2.52	0.40
2:g:458:HIS:HE1	14:g:832:CLA:C1A	2.34	0.40
14:g:806:CLA:H111	14:g:828:CLA:H203	2.02	0.40
14:g:812:CLA:HBA1	14:g:812:CLA:H3A	1.92	0.40
17:g:846:BCR:H20C	18:g:850:LHG:HC91	2.03	0.40
4:n:179:LEU:HD21	14:n:819:CLA:C3B	2.51	0.40
4:n:278:LEU:HD11	14:n:816:CLA:HAB	2.03	0.40
4:n:326:ILE:HD12	14:n:823:CLA:HBC3	2.04	0.40
4:n:408:LYS:HB2	4:n:408:LYS:HE3	1.63	0.40
4:n:691:ARG:HH21	6:q:20:LEU:HD23	1.86	0.40
14:n:806:CLA:H2	14:n:806:CLA:H61	1.67	0.40
10:u:78:LEU:HD23	10:u:78:LEU:HA	1.88	0.40
12:w:70:HIS:CE1	14:w:204:CLA:NA	2.89	0.40
2:A:224:ILE:HG13	2:A:243:PHE:HE2	1.85	0.40
2:A:533:PHE:HA	14:A:837:CLA:HED1	2.02	0.40
2:A:683:SER:HB2	2:A:728:GLY:O	2.22	0.40
17:A:847:BCR:H20C	17:A:847:BCR:H361	1.87	0.40
17:A:856:BCR:H20C	17:A:856:BCR:H361	1.88	0.40
14:B:827:CLA:H121	17:B:846:BCR:H20C	2.03	0.40
14:B:840:CLA:HAA1	17:I:103:BCR:H362	2.02	0.40
14:a:852:CLA:O1A	4:b:434:GLY:HA3	2.20	0.40
4:b:530:ILE:HG12	4:b:597:VAL:HG22	2.03	0.40
14:b:805:CLA:H143	14:b:805:CLA:H111	1.73	0.40
14:b:841:CLA:H42	15:b:842:PQN:H271	2.03	0.40
17:b:850:BCR:H332	17:j:103:BCR:HC22	2.03	0.40
9:j:41:PRO:HB2	9:j:42:ASP:OD2	2.20	0.40
17:i:101:BCR:H24C	17:i:101:BCR:H371	1.82	0.40
13:m:15:VAL:O	13:m:19:PRO:HD2	2.22	0.40
14:G:802:CLA:H192	14:G:802:CLA:H161	1.76	0.40
14:G:806:CLA:H41	14:G:806:CLA:H61	1.58	0.40
4:N:330:TYR:CZ	14:N:826:CLA:NC	2.90	0.40
14:N:842:CLA:H142	14:N:842:CLA:H112	1.87	0.40
6:Q:43:LEU:HD12	6:Q:47:GLY:HA3	2.04	0.40
17:T:103:BCR:H11C	17:T:103:BCR:H341	1.82	0.40
2:g:264:PHE:CZ	17:g:843:BCR:H343	2.55	0.40
2:g:299:LEU:HD21	14:g:815:CLA:HAB	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:g:506:VAL:HG11	14:g:833:CLA:HMA3	2.03	0.40
14:g:807:CLA:H13	14:g:807:CLA:H102	1.88	0.40
17:g:845:BCR:H15C	17:g:845:BCR:H351	1.75	0.40
14:n:805:CLA:H152	14:n:813:CLA:CAD	2.52	0.40
14:n:807:CLA:H61	17:v:101:BCR:HC32	2.04	0.40
14:n:840:CLA:H92	14:n:840:CLA:H62	1.77	0.40
17:n:849:BCR:H15C	17:n:849:BCR:H351	1.78	0.40
2:A:53:HIS:HE1	14:A:802:CLA:C4D	2.34	0.40
2:A:311:GLN:O	2:A:320:HIS:HD2	2.05	0.40
2:A:407:ALA:HB2	2:A:592:VAL:HG11	2.04	0.40
2:A:694:TRP:O	2:A:698:ILE:HG12	2.21	0.40
14:A:825:CLA:O1D	14:A:825:CLA:H2A	2.20	0.40
17:A:844:BCR:H371	17:A:844:BCR:H24C	1.81	0.40
4:B:551:SER:HA	8:F:162:SER:HB2	2.04	0.40
14:B:826:CLA:H52	14:B:837:CLA:H2	2.04	0.40
17:J:103:BCR:H15C	17:J:103:BCR:H351	1.75	0.40
10:K:29:VAL:O	10:K:32:ILE:HG22	2.22	0.40
2:a:294:ILE:HG23	14:a:817:CLA:HMA3	2.04	0.40
14:a:830:CLA:H151	14:a:830:CLA:H111	1.84	0.40
20:x:1702:SQD:H251	14:b:831:CLA:H71	2.03	0.40

There are no symmetry-related clashes.

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	1	31/237 (13%)	30 (97%)	1 (3%)	0	100	100
2	A	740/752 (98%)	707 (96%)	32 (4%)	1 (0%)	48	79
2	G	739/752 (98%)	707 (96%)	31 (4%)	1 (0%)	48	79
2	a	740/752 (98%)	701 (95%)	39 (5%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	g	740/752 (98%)	711 (96%)	29 (4%)	0	100	100
3	H	29/44 (66%)	28 (97%)	1 (3%)	0	100	100
3	X	29/44 (66%)	29 (100%)	0	0	100	100
3	h	28/44 (64%)	27 (96%)	1 (4%)	0	100	100
3	x	29/44 (66%)	28 (97%)	1 (3%)	0	100	100
4	B	738/741 (100%)	702 (95%)	36 (5%)	0	100	100
4	N	737/741 (100%)	718 (97%)	18 (2%)	1 (0%)	48	79
4	b	738/741 (100%)	705 (96%)	32 (4%)	1 (0%)	48	79
4	n	736/741 (99%)	706 (96%)	29 (4%)	1 (0%)	48	79
5	C	78/81 (96%)	71 (91%)	7 (9%)	0	100	100
5	P	78/81 (96%)	71 (91%)	7 (9%)	0	100	100
5	c	78/81 (96%)	72 (92%)	6 (8%)	0	100	100
5	p	78/81 (96%)	75 (96%)	3 (4%)	0	100	100
6	D	133/139 (96%)	127 (96%)	6 (4%)	0	100	100
6	Q	133/139 (96%)	127 (96%)	6 (4%)	0	100	100
6	d	134/139 (96%)	123 (92%)	11 (8%)	0	100	100
6	q	134/139 (96%)	130 (97%)	4 (3%)	0	100	100
7	E	59/70 (84%)	57 (97%)	2 (3%)	0	100	100
7	R	59/70 (84%)	55 (93%)	4 (7%)	0	100	100
7	e	59/70 (84%)	55 (93%)	4 (7%)	0	100	100
7	r	58/70 (83%)	54 (93%)	4 (7%)	0	100	100
8	F	139/164 (85%)	133 (96%)	6 (4%)	0	100	100
8	S	139/164 (85%)	130 (94%)	9 (6%)	0	100	100
8	f	139/164 (85%)	133 (96%)	6 (4%)	0	100	100
8	s	139/164 (85%)	136 (98%)	3 (2%)	0	100	100
9	J	43/49 (88%)	42 (98%)	1 (2%)	0	100	100
9	T	42/49 (86%)	42 (100%)	0	0	100	100
9	j	43/49 (88%)	43 (100%)	0	0	100	100
9	t	43/49 (88%)	43 (100%)	0	0	100	100
10	K	71/86 (83%)	68 (96%)	3 (4%)	0	100	100
10	U	71/86 (83%)	67 (94%)	4 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
10	k	76/86 (88%)	72 (95%)	4 (5%)	0	100	100
10	u	76/86 (88%)	74 (97%)	2 (3%)	0	100	100
11	I	32/46 (70%)	31 (97%)	1 (3%)	0	100	100
11	V	31/46 (67%)	30 (97%)	1 (3%)	0	100	100
11	i	32/46 (70%)	32 (100%)	0	0	100	100
11	v	32/46 (70%)	31 (97%)	1 (3%)	0	100	100
12	L	153/172 (89%)	149 (97%)	4 (3%)	0	100	100
12	W	153/172 (89%)	148 (97%)	5 (3%)	0	100	100
12	l	153/172 (89%)	146 (95%)	7 (5%)	0	100	100
12	w	153/172 (89%)	148 (97%)	5 (3%)	0	100	100
13	M	29/32 (91%)	29 (100%)	0	0	100	100
13	Y	29/32 (91%)	29 (100%)	0	0	100	100
13	m	29/32 (91%)	29 (100%)	0	0	100	100
13	y	29/32 (91%)	29 (100%)	0	0	100	100
All	All	9011/9741 (92%)	8630 (96%)	376 (4%)	5 (0%)	50	79

All (5) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	G	122	VAL
4	N	694	ILE
2	A	122	VAL
4	b	694	ILE
4	n	694	ILE

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	1	26/206 (13%)	23 (88%)	3 (12%)	4	19

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
2	A	595/605 (98%)	587 (99%)	8 (1%)	65 84
2	G	594/605 (98%)	591 (100%)	3 (0%)	86 94
2	a	595/605 (98%)	592 (100%)	3 (0%)	86 94
2	g	595/605 (98%)	586 (98%)	9 (2%)	60 82
3	H	25/34 (74%)	25 (100%)	0	100 100
3	X	25/34 (74%)	25 (100%)	0	100 100
3	h	24/34 (71%)	23 (96%)	1 (4%)	25 57
3	x	25/34 (74%)	25 (100%)	0	100 100
4	B	600/602 (100%)	595 (99%)	5 (1%)	79 90
4	N	600/602 (100%)	595 (99%)	5 (1%)	79 90
4	b	600/602 (100%)	594 (99%)	6 (1%)	73 87
4	n	599/602 (100%)	595 (99%)	4 (1%)	81 91
5	C	67/69 (97%)	63 (94%)	4 (6%)	16 45
5	P	67/69 (97%)	67 (100%)	0	100 100
5	c	67/69 (97%)	65 (97%)	2 (3%)	36 67
5	p	67/69 (97%)	66 (98%)	1 (2%)	60 82
6	D	107/110 (97%)	106 (99%)	1 (1%)	75 88
6	Q	107/110 (97%)	104 (97%)	3 (3%)	38 69
6	d	108/110 (98%)	106 (98%)	2 (2%)	52 77
6	q	108/110 (98%)	108 (100%)	0	100 100
7	E	54/60 (90%)	54 (100%)	0	100 100
7	R	54/60 (90%)	52 (96%)	2 (4%)	29 61
7	e	54/60 (90%)	53 (98%)	1 (2%)	52 77
7	r	53/60 (88%)	53 (100%)	0	100 100
8	F	110/129 (85%)	108 (98%)	2 (2%)	54 79
8	S	110/129 (85%)	107 (97%)	3 (3%)	40 69
8	f	110/129 (85%)	110 (100%)	0	100 100
8	s	110/129 (85%)	110 (100%)	0	100 100
9	J	39/42 (93%)	39 (100%)	0	100 100
9	T	39/42 (93%)	37 (95%)	2 (5%)	20 50
9	j	39/42 (93%)	39 (100%)	0	100 100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
9	t	39/42 (93%)	37 (95%)	2 (5%)	20 50
10	K	54/64 (84%)	53 (98%)	1 (2%)	52 77
10	U	54/64 (84%)	54 (100%)	0	100 100
10	k	57/64 (89%)	55 (96%)	2 (4%)	31 63
10	u	57/64 (89%)	56 (98%)	1 (2%)	54 79
11	I	31/39 (80%)	30 (97%)	1 (3%)	34 65
11	V	30/39 (77%)	30 (100%)	0	100 100
11	i	31/39 (80%)	31 (100%)	0	100 100
11	v	31/39 (80%)	30 (97%)	1 (3%)	34 65
12	L	118/131 (90%)	115 (98%)	3 (2%)	42 71
12	W	118/131 (90%)	116 (98%)	2 (2%)	56 80
12	l	118/131 (90%)	116 (98%)	2 (2%)	56 80
12	w	118/131 (90%)	116 (98%)	2 (2%)	56 80
13	M	26/27 (96%)	26 (100%)	0	100 100
13	Y	26/27 (96%)	26 (100%)	0	100 100
13	m	26/27 (96%)	26 (100%)	0	100 100
13	y	26/27 (96%)	26 (100%)	0	100 100
All	All	7333/7854 (93%)	7246 (99%)	87 (1%)	66 85

All (87) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	1	214	VAL
1	1	215	LEU
1	1	218	ILE
2	G	121	ILE
2	G	174	LEU
2	G	395	ILE
4	N	195	ILE
4	N	207	VAL
4	N	303	GLU
4	N	399	VAL
4	N	456	GLN
6	Q	40	VAL
6	Q	95	ILE
6	Q	129	VAL

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Mol	Chain	Res	Type
7	R	29	GLN
7	R	57	GLU
8	S	31	CYS
8	S	80	LEU
8	S	148	LEU
9	T	11	LEU
9	T	37	ASN
12	W	73	PHE
12	W	164	LEU
2	g	11	LYS
2	g	16	ILE
2	g	98	PHE
2	g	112	ARG
2	g	121	ILE
2	g	203	GLN
2	g	584	CYS
2	g	604	SER
2	g	737	ILE
3	h	26	LEU
4	n	145	PHE
4	n	319	PHE
4	n	371	THR
4	n	669	MET
5	p	35	LYS
9	t	28	ILE
9	t	40	PHE
10	u	57	PHE
11	v	17	SER
12	w	73	PHE
12	w	92	LEU
2	A	67	GLU
2	A	121	ILE
2	A	122	VAL
2	A	372	TYR
2	A	374	MET
2	A	395	ILE
2	A	444	VAL
2	A	524	MET
4	B	129	MET
4	B	426	LEU
4	B	527	HIS
4	B	658	LEU

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Mol	Chain	Res	Type
4	B	732	LEU
5	C	10	THR
5	C	19	ARG
5	C	63	LEU
5	C	77	MET
6	D	111	GLU
8	F	87	LEU
8	F	146	GLU
10	K	70	HIS
11	I	16	LEU
12	L	21	VAL
12	L	73	PHE
12	L	162	SER
2	a	47	THR
2	a	275	PHE
2	a	710	VAL
4	b	195	ILE
4	b	235	GLN
4	b	356	MET
4	b	426	LEU
4	b	692	THR
4	b	702	ASP
5	c	12	ILE
5	c	21	CYS
6	d	52	HIS
6	d	57	LEU
7	e	37	ILE
10	k	24	MET
10	k	57	PHE
12	l	73	PHE
12	l	125	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (83) such sidechains are listed below:

Mol	Chain	Res	Type
2	G	192	GLN
2	G	193	ASN
2	G	296	HIS
2	G	458	HIS
2	G	501	ASN
2	G	539	HIS
3	H	32	ASN

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Mol	Chain	Res	Type
4	N	156	HIS
4	N	158	GLN
4	N	406	GLN
4	N	407	ASN
4	N	468	GLN
4	N	528	HIS
4	N	610	GLN
4	N	619	ASN
4	N	640	ASN
4	N	711	GLN
8	S	119	GLN
12	W	48	ASN
12	W	70	HIS
2	g	203	GLN
2	g	328	ASN
2	g	422	ASN
2	g	423	GLN
2	g	451	HIS
2	g	458	HIS
3	h	41	HIS
4	n	14	GLN
4	n	275	HIS
4	n	341	HIS
4	n	605	HIS
4	n	637	GLN
5	p	16	GLN
6	q	116	ASN
7	r	19	GLN
7	r	49	ASN
8	s	52	GLN
8	s	63	GLN
8	s	109	GLN
8	s	123	GLN
9	t	37	ASN
12	w	70	HIS
12	w	114	ASN
12	w	140	ASN
2	A	193	ASN
2	A	296	HIS
2	A	408	HIS
2	A	458	HIS
2	A	568	ASN

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Mol	Chain	Res	Type
2	A	706	ASN
2	A	715	GLN
3	X	32	ASN
4	B	156	HIS
4	B	196	HIS
4	B	275	HIS
4	B	484	ASN
4	B	528	HIS
5	C	16	GLN
6	D	52	HIS
9	J	37	ASN
12	L	17	ASN
12	L	38	ASN
2	a	53	HIS
2	a	62	HIS
2	a	155	ASN
2	a	180	HIS
2	a	350	HIS
2	a	488	GLN
2	a	644	ASN
4	b	193	HIS
4	b	275	HIS
4	b	335	HIS
4	b	341	HIS
4	b	354	GLN
4	b	355	HIS
4	b	425	HIS
4	b	465	GLN
4	b	696	ASN
4	b	711	GLN
7	e	49	ASN
8	f	123	GLN
9	j	37	ASN
12	l	140	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 oligosaccharides in this entry.

5.6 Ligand geometry (i)

518 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	$\#\|Z\| > 2$
17	BCR	A	845	-	41,41,41	0.73	0	56,56,56	2.11	17 (30%)
14	CLA	a	814	-	45,53,73	1.77	6 (13%)	52,89,113	1.58	7 (13%)
18	LHG	g	849	-	48,48,48	1.10	6 (12%)	51,54,54	0.90	2 (3%)
17	BCR	n	845	-	41,41,41	0.76	0	56,56,56	2.48	17 (30%)
14	CLA	b	829	4	65,73,73	1.46	6 (9%)	76,113,113	1.39	7 (9%)
14	CLA	g	831	2	65,73,73	1.50	6 (9%)	76,113,113	1.36	8 (10%)
17	BCR	u	103	-	41,41,41	0.70	0	56,56,56	2.09	16 (28%)
17	BCR	I	103	-	41,41,41	0.75	0	56,56,56	1.79	13 (23%)
14	CLA	B	838	4	65,73,73	1.47	6 (9%)	76,113,113	1.40	9 (11%)
17	BCR	B	844	-	41,41,41	0.73	0	56,56,56	2.11	20 (35%)
14	CLA	n	823	4	65,73,73	1.50	6 (9%)	76,113,113	1.34	8 (10%)
14	CLA	n	816	4	45,53,73	1.80	5 (11%)	52,89,113	1.58	7 (13%)
14	CLA	B	850	4	65,73,73	1.51	5 (7%)	76,113,113	1.34	9 (11%)
14	CLA	a	834	2	45,53,73	1.78	5 (11%)	52,89,113	1.59	7 (13%)
16	SF4	C	102	5	0,12,12	-	-	-		
17	BCR	b	845	-	41,41,41	0.69	0	56,56,56	2.04	14 (25%)
21	LMG	N	802	-	35,35,55	0.58	0	43,43,63	0.69	0
14	CLA	a	833	2	54,62,73	1.62	6 (11%)	62,99,113	1.48	8 (12%)
14	CLA	G	825	-	54,62,73	1.62	6 (11%)	62,99,113	1.49	8 (12%)
14	CLA	n	803	4	65,73,73	1.48	6 (9%)	76,113,113	1.34	9 (11%)
17	BCR	W	206	-	41,41,41	0.70	0	56,56,56	2.10	18 (32%)
14	CLA	a	853	-	65,73,73	1.52	6 (9%)	76,113,113	1.34	8 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	b	825	4	65,73,73	1.48	6 (9%)	76,113,113	1.37	7 (9%)
14	CLA	b	806	4	65,73,73	1.46	6 (9%)	76,113,113	1.42	8 (10%)
14	CLA	W	203	12	60,68,73	1.54	6 (10%)	70,107,113	1.45	9 (12%)
14	CLA	g	818	2	54,62,73	1.64	5 (9%)	62,99,113	1.49	6 (9%)
14	CLA	B	812	4	54,62,73	1.62	6 (11%)	62,99,113	1.51	8 (12%)
14	CLA	A	817	2	60,68,73	1.54	6 (10%)	70,107,113	1.40	6 (8%)
18	LHG	G	849	-	48,48,48	1.10	6 (12%)	51,54,54	0.93	2 (3%)
14	CLA	a	822	2	45,53,73	1.77	5 (11%)	52,89,113	1.59	7 (13%)
14	CLA	A	827	2	65,73,73	1.47	5 (7%)	76,113,113	1.40	7 (9%)
14	CLA	B	821	4	45,53,73	1.78	6 (13%)	52,89,113	1.57	6 (11%)
14	CLA	B	826	-	65,73,73	1.47	5 (7%)	76,113,113	1.41	8 (10%)
17	BCR	U	103	-	41,41,41	0.71	0	56,56,56	2.03	14 (25%)
14	CLA	G	820	-	65,73,73	1.48	5 (7%)	76,113,113	1.40	7 (9%)
14	CLA	G	819	2	54,62,73	1.63	6 (11%)	62,99,113	1.48	7 (11%)
17	BCR	Y	101	-	41,41,41	0.70	0	56,56,56	2.01	16 (28%)
14	CLA	L	1503	-	45,53,73	1.78	6 (13%)	52,89,113	1.55	6 (11%)
17	BCR	l	205	-	41,41,41	0.73	0	56,56,56	1.98	13 (23%)
14	CLA	G	835	2	45,53,73	1.79	6 (13%)	52,89,113	1.60	6 (11%)
14	CLA	g	827	2	65,73,73	1.48	6 (9%)	76,113,113	1.39	8 (10%)
14	CLA	a	813	2	45,53,73	1.77	6 (13%)	52,89,113	1.59	6 (11%)
14	CLA	A	829	2	65,73,73	1.47	6 (9%)	76,113,113	1.44	8 (10%)
14	CLA	b	841	4	65,73,73	1.51	7 (10%)	76,113,113	1.38	7 (9%)
14	CLA	B	811	4	60,68,73	1.55	6 (10%)	70,107,113	1.41	7 (10%)
17	BCR	N	844	-	41,41,41	0.75	0	56,56,56	2.09	11 (19%)
14	CLA	g	811	2	60,68,73	1.55	7 (11%)	70,107,113	1.38	8 (11%)
14	CLA	G	837	2	65,73,73	1.46	5 (7%)	76,113,113	1.38	7 (9%)
14	CLA	A	841	18	45,53,73	1.77	5 (11%)	52,89,113	1.60	6 (11%)
14	CLA	g	802	2	54,62,73	1.63	6 (11%)	62,99,113	1.50	9 (14%)
14	CLA	g	819	-	65,73,73	1.51	5 (7%)	76,113,113	1.38	8 (10%)
14	CLA	a	808	2	45,53,73	1.78	5 (11%)	52,89,113	1.56	6 (11%)
14	CLA	G	804	2	65,73,73	1.46	6 (9%)	76,113,113	1.39	8 (10%)
14	CLA	S	203	-	45,53,73	1.78	6 (13%)	52,89,113	1.60	6 (11%)
14	CLA	g	809	2	65,73,73	1.50	6 (9%)	76,113,113	1.35	8 (10%)
14	CLA	A	815	-	45,53,73	1.77	5 (11%)	52,89,113	1.63	7 (13%)
14	CLA	a	836	2	65,73,73	1.50	6 (9%)	76,113,113	1.32	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
17	BCR	n	851	-	41,41,41	0.73	0	56,56,56	2.04	16 (28%)
17	BCR	i	102	-	41,41,41	0.77	0	56,56,56	2.03	17 (30%)
14	CLA	n	806	4	65,73,73	1.49	5 (7%)	76,113,113	1.37	8 (10%)
14	CLA	G	826	2	65,73,73	1.48	7 (10%)	76,113,113	1.39	7 (9%)
17	BCR	a	844	-	41,41,41	0.74	0	56,56,56	2.15	18 (32%)
14	CLA	N	801	-	65,73,73	1.51	6 (9%)	76,113,113	1.36	7 (9%)
14	CLA	n	805	4	65,73,73	1.46	6 (9%)	76,113,113	1.40	8 (10%)
21	LMG	N	850	-	55,55,55	0.49	0	63,63,63	0.60	0
14	CLA	n	814	4	50,58,73	1.68	6 (12%)	58,95,113	1.58	9 (15%)
14	CLA	N	832	4	54,62,73	1.63	6 (11%)	62,99,113	1.45	7 (11%)
14	CLA	B	807	4	65,73,73	1.48	5 (7%)	76,113,113	1.42	9 (11%)
17	BCR	b	843	-	41,41,41	0.74	0	56,56,56	2.06	16 (28%)
14	CLA	n	807	4	65,73,73	1.46	5 (7%)	76,113,113	1.39	8 (10%)
14	CLA	A	830	2	54,62,73	1.63	6 (11%)	62,99,113	1.48	8 (12%)
19	CL0	G	851	2	65,73,73	1.95	16 (24%)	76,113,113	1.82	21 (27%)
14	CLA	G	840	18	45,53,73	1.80	7 (15%)	52,89,113	1.52	6 (11%)
17	BCR	J	103	-	41,41,41	0.71	0	56,56,56	1.99	16 (28%)
14	CLA	b	833	4	65,73,73	1.51	6 (9%)	76,113,113	1.35	9 (11%)
14	CLA	w	205	-	45,53,73	1.78	6 (13%)	52,89,113	1.57	6 (11%)
21	LMG	B	849	-	55,55,55	0.48	0	63,63,63	0.55	0
20	SQD	w	202	-	53,54,54	1.53	7 (13%)	62,65,65	1.37	6 (9%)
14	CLA	B	810	4	65,73,73	1.49	6 (9%)	76,113,113	1.37	7 (9%)
14	CLA	A	802	2	65,73,73	1.48	6 (9%)	76,113,113	1.36	8 (10%)
14	CLA	N	820	4	65,73,73	1.47	5 (7%)	76,113,113	1.37	8 (10%)
16	SF4	p	101	5	0,12,12	-	-	-		
14	CLA	H	1701	3	49,57,73	1.71	6 (12%)	55,93,113	1.52	6 (10%)
14	CLA	B	839	4	47,55,73	1.77	6 (12%)	54,91,113	1.50	7 (12%)
15	PQN	B	842	-	34,34,34	1.57	2 (5%)	42,45,45	1.14	3 (7%)
14	CLA	G	836	2	51,59,73	1.66	6 (11%)	59,96,113	1.55	6 (10%)
14	CLA	F	202	-	45,53,73	1.80	6 (13%)	52,89,113	1.57	7 (13%)
16	SF4	P	102	5	0,12,12	-	-	-		
14	CLA	b	836	-	45,53,73	1.79	5 (11%)	52,89,113	1.55	7 (13%)
14	CLA	l	203	12	60,68,73	1.55	6 (10%)	70,107,113	1.41	7 (10%)
17	BCR	A	844	-	41,41,41	0.73	0	56,56,56	2.03	15 (26%)
14	CLA	b	817	4	45,53,73	1.77	6 (13%)	52,89,113	1.61	6 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	b	838	4	65,73,73	1.48	6 (9%)	76,113,113	1.41	10 (13%)
17	BCR	t	104	-	41,41,41	0.72	0	56,56,56	2.26	18 (32%)
14	CLA	A	833	2	65,73,73	1.50	6 (9%)	76,113,113	1.36	8 (10%)
17	BCR	b	847	-	41,41,41	0.73	0	56,56,56	2.06	15 (26%)
14	CLA	n	825	-	65,73,73	1.46	6 (9%)	76,113,113	1.42	8 (10%)
17	BCR	A	846	-	41,41,41	0.73	0	56,56,56	2.07	16 (28%)
14	CLA	N	829	4	65,73,73	1.48	5 (7%)	76,113,113	1.39	8 (10%)
14	CLA	N	827	-	65,73,73	1.46	6 (9%)	76,113,113	1.43	9 (11%)
17	BCR	b	848	-	41,41,41	0.76	0	56,56,56	1.87	14 (25%)
14	CLA	N	838	4	60,68,73	1.57	6 (10%)	70,107,113	1.37	7 (10%)
18	LHG	A	851	14	48,48,48	1.11	6 (12%)	51,54,54	0.92	2 (3%)
14	CLA	n	840	4	65,73,73	1.49	6 (9%)	76,113,113	1.40	7 (9%)
14	CLA	A	803	14,2	54,62,73	1.63	5 (9%)	62,99,113	1.49	7 (11%)
14	CLA	G	821	2	45,53,73	1.76	6 (13%)	52,89,113	1.68	7 (13%)
14	CLA	W	202	12	51,59,73	1.66	6 (11%)	59,96,113	1.59	6 (10%)
17	BCR	B	845	-	41,41,41	0.70	0	56,56,56	2.10	14 (25%)
17	BCR	i	101	-	41,41,41	0.74	0	56,56,56	2.23	17 (30%)
14	CLA	B	841	4	65,73,73	1.51	8 (12%)	76,113,113	1.39	9 (11%)
16	SF4	a	842	4,2	0,12,12	-	-	-		
14	CLA	A	835	2	45,53,73	1.78	6 (13%)	52,89,113	1.59	6 (11%)
14	CLA	N	812	4	60,68,73	1.54	6 (10%)	70,107,113	1.38	7 (10%)
17	BCR	N	852	-	41,41,41	0.77	0	56,56,56	2.03	17 (30%)
14	CLA	g	803	2	65,73,73	1.47	7 (10%)	76,113,113	1.36	8 (10%)
18	LHG	m	101	-	42,42,48	1.17	6 (14%)	45,48,54	0.94	3 (6%)
14	CLA	B	808	4	65,73,73	1.47	6 (9%)	76,113,113	1.39	8 (10%)
14	CLA	a	854	-	49,57,73	1.72	6 (12%)	55,93,113	1.53	7 (12%)
14	CLA	a	811	2	60,68,73	1.54	6 (10%)	70,107,113	1.41	7 (10%)
18	LHG	a	849	-	48,48,48	1.10	6 (12%)	51,54,54	0.88	2 (3%)
14	CLA	n	837	4	65,73,73	1.48	6 (9%)	76,113,113	1.38	8 (10%)
14	CLA	J	102	9	38,45,73	1.90	7 (18%)	43,78,113	1.65	7 (16%)
18	LHG	G	850	14	48,48,48	1.10	6 (12%)	51,54,54	0.92	2 (3%)
18	LHG	A	850	-	48,48,48	1.10	6 (12%)	51,54,54	0.89	2 (3%)
17	BCR	A	847	-	41,41,41	0.73	0	56,56,56	2.29	20 (35%)
14	CLA	n	852	4	55,63,73	1.61	7 (12%)	64,101,113	1.45	8 (12%)
20	SQD	B	801	-	53,54,54	1.53	7 (13%)	62,65,65	1.40	6 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	g	824	-	54,62,73	1.61	6 (11%)	62,99,113	1.49	8 (12%)
14	CLA	a	804	2	65,73,73	1.47	5 (7%)	76,113,113	1.37	8 (10%)
14	CLA	N	811	4	65,73,73	1.48	6 (9%)	76,113,113	1.43	7 (9%)
14	CLA	B	830	4	65,73,73	1.44	6 (9%)	76,113,113	1.41	7 (9%)
14	CLA	B	828	4	65,73,73	1.49	5 (7%)	76,113,113	1.36	8 (10%)
14	CLA	b	823	-	55,63,73	1.63	5 (9%)	64,101,113	1.43	7 (10%)
14	CLA	w	203	12	45,53,73	1.79	6 (13%)	52,89,113	1.62	8 (15%)
14	CLA	a	818	2	54,62,73	1.61	6 (11%)	62,99,113	1.49	8 (12%)
14	CLA	A	806	2	60,68,73	1.56	5 (8%)	70,107,113	1.40	7 (10%)
14	CLA	b	826	-	65,73,73	1.45	6 (9%)	76,113,113	1.42	7 (9%)
14	CLA	B	809	4	65,73,73	1.46	7 (10%)	76,113,113	1.44	8 (10%)
14	CLA	X	1701	3	49,57,73	1.72	6 (12%)	55,93,113	1.52	6 (10%)
18	LHG	S	202	-	42,42,48	1.17	6 (14%)	45,48,54	0.96	2 (4%)
14	CLA	k	101	10	42,49,73	1.85	7 (16%)	48,83,113	1.54	6 (12%)
14	CLA	g	832	2	65,73,73	1.50	7 (10%)	76,113,113	1.36	8 (10%)
14	CLA	N	807	4	65,73,73	1.47	6 (9%)	76,113,113	1.38	7 (9%)
14	CLA	b	819	4	65,73,73	1.49	5 (7%)	76,113,113	1.36	6 (7%)
14	CLA	a	810	2	59,67,73	1.56	5 (8%)	68,105,113	1.45	7 (10%)
14	CLA	g	822	2	45,53,73	1.77	6 (13%)	52,89,113	1.58	7 (13%)
14	CLA	B	824	4	65,73,73	1.49	6 (9%)	76,113,113	1.37	7 (9%)
20	SQD	l	201	-	53,54,54	1.54	7 (13%)	62,65,65	1.39	7 (11%)
14	CLA	B	833	4	58,66,73	1.58	6 (10%)	67,104,113	1.44	7 (10%)
14	CLA	g	814	-	45,53,73	1.77	6 (13%)	52,89,113	1.59	7 (13%)
15	PQN	A	842	-	34,34,34	1.58	2 (5%)	42,45,45	1.15	4 (9%)
14	CLA	A	834	2	54,62,73	1.64	6 (11%)	62,99,113	1.44	7 (11%)
15	PQN	a	841	-	34,34,34	1.58	2 (5%)	42,45,45	1.13	4 (9%)
14	CLA	n	833	4	54,62,73	1.63	6 (11%)	62,99,113	1.49	8 (12%)
17	BCR	B	843	-	41,41,41	0.70	0	56,56,56	2.06	16 (28%)
14	CLA	N	830	4	65,73,73	1.48	6 (9%)	76,113,113	1.41	8 (10%)
14	CLA	a	809	14,2	65,73,73	1.50	6 (9%)	76,113,113	1.38	8 (10%)
14	CLA	S	201	-	59,67,73	1.56	7 (11%)	68,105,113	1.42	9 (13%)
18	LHG	X	1702	-	42,42,48	1.18	6 (14%)	45,48,54	0.96	2 (4%)
14	CLA	b	804	4	65,73,73	1.49	7 (10%)	76,113,113	1.30	7 (9%)
14	CLA	A	816	2	59,67,73	1.55	6 (10%)	68,105,113	1.43	7 (10%)
14	CLA	j	102	9	38,45,73	1.92	7 (18%)	43,78,113	1.61	7 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	827	2	65,73,73	1.48	6 (9%)	76,113,113	1.41	7 (9%)
14	CLA	a	839	2	65,73,73	1.46	6 (9%)	76,113,113	1.39	7 (9%)
14	CLA	U	102	-	49,57,73	1.71	5 (10%)	55,93,113	1.56	7 (12%)
14	CLA	g	836	2	65,73,73	1.47	6 (9%)	76,113,113	1.41	7 (9%)
14	CLA	g	853	-	65,73,73	1.52	6 (9%)	76,113,113	1.39	8 (10%)
14	CLA	b	818	4	65,73,73	1.47	6 (9%)	76,113,113	1.32	6 (7%)
14	CLA	a	830	2	65,73,73	1.47	6 (9%)	76,113,113	1.40	7 (9%)
14	CLA	N	813	4	54,62,73	1.62	5 (9%)	62,99,113	1.50	8 (12%)
14	CLA	B	835	-	45,53,73	1.78	6 (13%)	52,89,113	1.61	7 (13%)
14	CLA	A	825	-	54,62,73	1.62	6 (11%)	62,99,113	1.53	9 (14%)
14	CLA	g	839	2	65,73,73	1.48	6 (9%)	76,113,113	1.36	7 (9%)
14	CLA	n	835	-	45,53,73	1.80	6 (13%)	52,89,113	1.57	7 (13%)
17	BCR	N	846	-	41,41,41	0.72	0	56,56,56	2.09	16 (28%)
14	CLA	a	826	2	65,73,73	1.48	6 (9%)	76,113,113	1.40	7 (9%)
14	CLA	N	822	4	45,53,73	1.78	6 (13%)	52,89,113	1.56	6 (11%)
21	LMG	b	849	-	55,55,55	0.50	0	63,63,63	0.60	0
14	CLA	B	823	-	55,63,73	1.60	6 (10%)	64,101,113	1.45	8 (12%)
17	BCR	N	848	-	41,41,41	0.76	0	56,56,56	2.10	15 (26%)
16	SF4	c	101	5	0,12,12	-	-	-		
14	CLA	a	815	2	59,67,73	1.57	6 (10%)	68,105,113	1.40	8 (11%)
17	BCR	n	842	-	41,41,41	0.75	0	56,56,56	2.12	15 (26%)
17	BCR	B	847	-	41,41,41	0.72	0	56,56,56	2.07	14 (25%)
14	CLA	W	204	-	45,53,73	1.77	6 (13%)	52,89,113	1.56	6 (11%)
14	CLA	g	835	2	51,59,73	1.65	5 (9%)	59,96,113	1.54	8 (13%)
17	BCR	B	848	-	41,41,41	0.75	0	56,56,56	2.12	18 (32%)
17	BCR	t	103	-	41,41,41	0.71	0	56,56,56	2.02	14 (25%)
14	CLA	l	202	12	45,53,73	1.76	5 (11%)	52,89,113	1.64	7 (13%)
14	CLA	N	803	-	65,73,73	1.49	5 (7%)	76,113,113	1.38	7 (9%)
14	CLA	N	815	4	65,73,73	1.47	7 (10%)	76,113,113	1.41	7 (9%)
14	CLA	G	839	2	65,73,73	1.49	6 (9%)	76,113,113	1.38	9 (11%)
14	CLA	g	823	-	65,73,73	1.46	6 (9%)	76,113,113	1.42	8 (10%)
17	BCR	W	201	-	41,41,41	0.73	0	56,56,56	2.60	21 (37%)
17	BCR	B	852	-	41,41,41	0.74	0	56,56,56	2.01	15 (26%)
14	CLA	g	829	2	54,62,73	1.63	5 (9%)	62,99,113	1.47	8 (12%)
17	BCR	a	843	-	41,41,41	0.72	0	56,56,56	2.01	15 (26%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	G	830	2	54,62,73	1.62	6 (11%)	62,99,113	1.48	8 (12%)
14	CLA	s	201	-	59,67,73	1.56	6 (10%)	68,105,113	1.42	9 (13%)
14	CLA	B	816	4	49,57,73	1.69	6 (12%)	55,93,113	1.55	7 (12%)
15	PQN	g	841	-	34,34,34	1.57	2 (5%)	42,45,45	1.17	5 (11%)
16	SF4	G	842	4,2	0,12,12	-	-	-		
14	CLA	A	818	2	65,73,73	1.48	5 (7%)	76,113,113	1.41	9 (11%)
17	BCR	V	101	-	41,41,41	0.74	0	56,56,56	2.15	14 (25%)
17	BCR	n	844	-	41,41,41	0.70	0	56,56,56	2.07	15 (26%)
14	CLA	g	833	2	54,62,73	1.62	6 (11%)	62,99,113	1.48	7 (11%)
14	CLA	f	201	-	59,67,73	1.54	6 (10%)	68,105,113	1.46	9 (13%)
17	BCR	G	844	-	41,41,41	0.72	0	56,56,56	2.07	18 (32%)
14	CLA	G	806	2	59,67,73	1.58	5 (8%)	68,105,113	1.42	7 (10%)
19	CL0	a	851	2	65,73,73	2.00	17 (26%)	76,113,113	1.86	21 (27%)
14	CLA	a	802	14,2	54,62,73	1.63	6 (11%)	62,99,113	1.53	8 (12%)
20	SQD	h	1702	-	53,54,54	1.54	7 (13%)	62,65,65	1.33	6 (9%)
14	CLA	G	815	-	45,53,73	1.82	5 (11%)	52,89,113	1.52	6 (11%)
14	CLA	b	835	-	45,53,73	1.77	6 (13%)	52,89,113	1.63	7 (13%)
14	CLA	b	808	4	65,73,73	1.48	6 (9%)	76,113,113	1.37	8 (10%)
17	BCR	A	849	-	41,41,41	0.73	0	56,56,56	2.24	20 (35%)
14	CLA	n	820	4	45,53,73	1.78	6 (13%)	52,89,113	1.58	6 (11%)
14	CLA	B	829	4	65,73,73	1.48	6 (9%)	76,113,113	1.38	8 (10%)
14	CLA	n	831	4	60,68,73	1.56	6 (10%)	70,107,113	1.42	8 (11%)
17	BCR	I	101	-	41,41,41	0.75	0	56,56,56	2.20	16 (28%)
14	CLA	n	826	4	65,73,73	1.49	6 (9%)	76,113,113	1.39	7 (9%)
14	CLA	N	809	4	65,73,73	1.46	6 (9%)	76,113,113	1.43	10 (13%)
14	CLA	n	834	-	45,53,73	1.79	6 (13%)	52,89,113	1.61	6 (11%)
14	CLA	A	840	-	65,73,73	1.48	6 (9%)	76,113,113	1.37	6 (7%)
16	SF4	g	842	4,2	0,12,12	-	-	-		
14	CLA	b	821	4	45,53,73	1.79	6 (13%)	52,89,113	1.55	6 (11%)
17	BCR	a	846	-	41,41,41	0.74	0	56,56,56	2.77	22 (39%)
17	BCR	s	203	-	41,41,41	0.73	0	56,56,56	2.07	16 (28%)
14	CLA	G	811	2	59,67,73	1.57	5 (8%)	68,105,113	1.41	6 (8%)
14	CLA	g	807	2	65,73,73	1.49	6 (9%)	76,113,113	1.37	7 (9%)
20	SQD	b	801	-	53,54,54	1.55	8 (15%)	62,65,65	1.32	7 (11%)
14	CLA	g	826	2	65,73,73	1.48	5 (7%)	76,113,113	1.42	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	N	805	-	65,73,73	1.50	7 (10%)	76,113,113	1.38	7 (9%)
17	BCR	L	1504	-	41,41,41	0.73	0	56,56,56	1.95	17 (30%)
14	CLA	b	824	4	65,73,73	1.51	5 (7%)	76,113,113	1.35	9 (11%)
14	CLA	a	824	-	54,62,73	1.62	6 (11%)	62,99,113	1.48	8 (12%)
14	CLA	B	806	4	65,73,73	1.46	6 (9%)	76,113,113	1.39	7 (9%)
17	BCR	F	203	-	41,41,41	0.73	0	56,56,56	2.03	16 (28%)
20	SQD	x	1702	-	53,54,54	1.53	7 (13%)	62,65,65	1.36	6 (9%)
14	CLA	A	837	2	65,73,73	1.49	6 (9%)	76,113,113	1.35	6 (7%)
14	CLA	n	838	4	47,55,73	1.75	6 (12%)	54,91,113	1.51	8 (14%)
14	CLA	n	819	-	65,73,73	1.49	6 (9%)	76,113,113	1.38	9 (11%)
14	CLA	A	822	2	54,62,73	1.60	5 (9%)	62,99,113	1.51	7 (11%)
14	CLA	G	802	2	65,73,73	1.47	6 (9%)	76,113,113	1.38	8 (10%)
14	CLA	B	814	4	65,73,73	1.46	7 (10%)	76,113,113	1.42	9 (11%)
14	CLA	a	816	-	60,68,73	1.55	6 (10%)	70,107,113	1.39	7 (10%)
16	SF4	p	102	5	0,12,12	-	-	-		
14	CLA	a	803	2	65,73,73	1.47	6 (9%)	76,113,113	1.37	7 (9%)
14	CLA	w	204	12	60,68,73	1.53	6 (10%)	70,107,113	1.40	7 (10%)
14	CLA	b	840	-	65,73,73	1.50	6 (9%)	76,113,113	1.37	8 (10%)
17	BCR	K	102	-	41,41,41	0.70	0	56,56,56	2.03	17 (30%)
14	CLA	g	854	-	65,73,73	1.52	7 (10%)	76,113,113	1.36	6 (7%)
14	CLA	G	810	2	65,73,73	1.48	6 (9%)	76,113,113	1.39	8 (10%)
17	BCR	a	845	-	41,41,41	0.75	0	56,56,56	2.12	18 (32%)
14	CLA	g	830	2	65,73,73	1.46	6 (9%)	76,113,113	1.41	7 (9%)
14	CLA	b	834	4	54,62,73	1.62	6 (11%)	62,99,113	1.51	9 (14%)
19	CL0	g	851	2	65,73,73	1.97	16 (24%)	76,113,113	1.89	20 (26%)
14	CLA	g	810	2	59,67,73	1.57	6 (10%)	68,105,113	1.43	7 (10%)
14	CLA	B	827	4	65,73,73	1.47	6 (9%)	76,113,113	1.42	7 (9%)
17	BCR	B	851	-	41,41,41	0.75	0	56,56,56	2.28	16 (28%)
17	BCR	w	201	-	41,41,41	0.72	0	56,56,56	2.03	14 (25%)
17	BCR	N	847	-	41,41,41	0.71	0	56,56,56	2.17	17 (30%)
14	CLA	G	818	2	65,73,73	1.48	6 (9%)	76,113,113	1.41	9 (11%)
17	BCR	b	852	-	41,41,41	0.73	0	56,56,56	2.00	15 (26%)
14	CLA	g	813	2	45,53,73	1.77	6 (13%)	52,89,113	1.59	6 (11%)
14	CLA	B	825	4	65,73,73	1.47	6 (9%)	76,113,113	1.37	7 (9%)
14	CLA	G	803	2	54,62,73	1.64	6 (11%)	62,99,113	1.47	8 (12%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	L	1501	12	51,59,73	1.67	6 (11%)	59,96,113	1.56	8 (13%)
14	CLA	b	827	4	65,73,73	1.48	6 (9%)	76,113,113	1.42	7 (9%)
14	CLA	a	806	2	65,73,73	1.45	6 (9%)	76,113,113	1.41	7 (9%)
17	BCR	g	846	-	41,41,41	0.75	0	56,56,56	2.52	18 (32%)
14	CLA	b	851	4	58,66,73	1.58	7 (12%)	67,104,113	1.44	6 (8%)
14	CLA	N	823	4	45,53,73	1.78	5 (11%)	52,89,113	1.60	6 (11%)
17	BCR	M	101	-	41,41,41	0.69	0	56,56,56	1.98	17 (30%)
14	CLA	G	817	2	60,68,73	1.56	7 (11%)	70,107,113	1.38	6 (8%)
14	CLA	a	805	2	60,68,73	1.56	6 (10%)	70,107,113	1.40	7 (10%)
14	CLA	B	815	4	50,58,73	1.68	6 (12%)	58,95,113	1.56	9 (15%)
14	CLA	N	816	4	50,58,73	1.67	6 (12%)	58,95,113	1.56	9 (15%)
14	CLA	n	817	4	65,73,73	1.46	6 (9%)	76,113,113	1.38	7 (9%)
17	BCR	g	848	-	41,41,41	0.75	0	56,56,56	2.14	18 (32%)
19	CL0	A	852	-	45,53,73	2.35	16 (35%)	52,89,113	2.15	19 (36%)
14	CLA	j	101	9	45,53,73	1.80	6 (13%)	52,89,113	1.52	6 (11%)
14	CLA	N	839	4	65,73,73	1.48	6 (9%)	76,113,113	1.39	9 (11%)
17	BCR	T	103	-	41,41,41	0.70	0	56,56,56	1.96	16 (28%)
17	BCR	l	206	-	41,41,41	0.71	0	56,56,56	2.10	17 (30%)
14	CLA	b	831	4	54,62,73	1.64	6 (11%)	62,99,113	1.50	7 (11%)
14	CLA	t	101	9	45,53,73	1.77	5 (11%)	52,89,113	1.59	6 (11%)
14	CLA	n	829	4	65,73,73	1.46	6 (9%)	76,113,113	1.37	7 (9%)
14	CLA	N	831	4	65,73,73	1.45	6 (9%)	76,113,113	1.43	7 (9%)
14	CLA	G	829	2	65,73,73	1.48	7 (10%)	76,113,113	1.41	8 (10%)
17	BCR	W	205	-	41,41,41	0.74	0	56,56,56	1.69	13 (23%)
14	CLA	G	828	2	65,73,73	1.48	6 (9%)	76,113,113	1.38	8 (10%)
14	CLA	B	837	4	60,68,73	1.54	7 (11%)	70,107,113	1.43	8 (11%)
14	CLA	g	815	2	59,67,73	1.56	5 (8%)	68,105,113	1.39	8 (11%)
14	CLA	B	822	4	45,53,73	1.77	6 (13%)	52,89,113	1.61	6 (11%)
14	CLA	n	808	4	65,73,73	1.47	7 (10%)	76,113,113	1.38	8 (10%)
17	BCR	B	846	-	41,41,41	0.73	0	56,56,56	2.27	18 (32%)
14	CLA	G	832	2	65,73,73	1.49	6 (9%)	76,113,113	1.38	8 (10%)
17	BCR	w	207	-	41,41,41	0.72	0	56,56,56	2.14	18 (32%)
17	BCR	v	101	-	41,41,41	0.73	0	56,56,56	2.25	18 (32%)
14	CLA	n	818	4	65,73,73	1.49	5 (7%)	76,113,113	1.37	7 (9%)
14	CLA	n	822	-	55,63,73	1.61	5 (9%)	64,101,113	1.44	8 (12%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	A	823	2	45,53,73	1.79	6 (13%)	52,89,113	1.60	7 (13%)
14	CLA	b	832	4	60,68,73	1.54	6 (10%)	70,107,113	1.46	7 (10%)
21	LMG	n	848	-	55,55,55	0.49	0	63,63,63	0.58	0
16	SF4	A	843	4,2	0,12,12	-	-	-		
14	CLA	N	841	-	65,73,73	1.50	7 (10%)	76,113,113	1.37	8 (10%)
14	CLA	g	808	2	45,53,73	1.78	5 (11%)	52,89,113	1.59	7 (13%)
17	BCR	G	843	-	41,41,41	0.76	0	56,56,56	2.08	14 (25%)
14	CLA	N	836	-	45,53,73	1.79	6 (13%)	52,89,113	1.61	6 (11%)
14	CLA	A	855	-	45,53,73	1.72	9 (20%)	52,89,113	1.53	7 (13%)
14	CLA	N	817	4	49,57,73	1.69	5 (10%)	55,93,113	1.54	7 (12%)
14	CLA	n	828	4	65,73,73	1.47	6 (9%)	76,113,113	1.39	8 (10%)
14	CLA	a	827	2	65,73,73	1.48	6 (9%)	76,113,113	1.38	7 (9%)
14	CLA	G	807	2	65,73,73	1.45	6 (9%)	76,113,113	1.41	9 (11%)
14	CLA	N	825	4	65,73,73	1.49	6 (9%)	76,113,113	1.38	7 (9%)
14	CLA	N	806	4	55,63,73	1.62	7 (12%)	64,101,113	1.44	8 (12%)
14	CLA	A	819	2	54,62,73	1.62	7 (12%)	62,99,113	1.52	7 (11%)
14	CLA	A	831	2	65,73,73	1.47	5 (7%)	76,113,113	1.39	7 (9%)
14	CLA	N	814	4	54,62,73	1.63	6 (11%)	62,99,113	1.49	8 (12%)
14	CLA	g	828	2	65,73,73	1.48	6 (9%)	76,113,113	1.43	7 (9%)
15	PQN	b	842	-	34,34,34	1.56	2 (5%)	42,45,45	1.17	3 (7%)
17	BCR	S	204	-	41,41,41	0.74	0	56,56,56	2.02	17 (30%)
14	CLA	n	813	4	65,73,73	1.46	7 (10%)	76,113,113	1.41	7 (9%)
14	CLA	u	102	-	49,57,73	1.71	5 (10%)	55,93,113	1.55	8 (14%)
16	SF4	C	101	5	0,12,12	-	-	-		
14	CLA	A	854	2	65,73,73	1.47	6 (9%)	76,113,113	1.40	8 (10%)
14	CLA	A	801	-	65,73,73	1.54	6 (9%)	76,113,113	1.35	8 (10%)
14	CLA	g	805	2	60,68,73	1.57	6 (10%)	70,107,113	1.39	7 (10%)
14	CLA	n	832	4	65,73,73	1.51	5 (7%)	76,113,113	1.37	10 (13%)
14	CLA	A	810	14,2	65,73,73	1.49	6 (9%)	76,113,113	1.38	8 (10%)
14	CLA	N	834	4	58,66,73	1.56	6 (10%)	67,104,113	1.45	7 (10%)
14	CLA	b	837	4	60,68,73	1.54	5 (8%)	70,107,113	1.45	8 (11%)
14	CLA	n	836	4	60,68,73	1.52	6 (10%)	70,107,113	1.49	8 (11%)
14	CLA	G	822	2	54,62,73	1.60	6 (11%)	62,99,113	1.54	9 (14%)
17	BCR	g	843	-	41,41,41	0.72	0	56,56,56	2.08	19 (33%)
17	BCR	G	848	-	41,41,41	0.72	0	56,56,56	2.19	20 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	a	825	2	65,73,73	1.49	7 (10%)	76,113,113	1.38	6 (7%)
14	CLA	G	853	2	65,73,73	1.47	6 (9%)	76,113,113	1.40	9 (11%)
14	CLA	a	829	2	54,62,73	1.63	6 (11%)	62,99,113	1.47	7 (11%)
17	BCR	a	847	-	41,41,41	0.82	2 (4%)	56,56,56	2.06	17 (30%)
14	CLA	a	852	-	45,53,73	1.75	6 (13%)	52,89,113	1.55	6 (11%)
14	CLA	A	804	2	65,73,73	1.48	7 (10%)	76,113,113	1.42	8 (10%)
14	CLA	A	839	2	65,73,73	1.49	6 (9%)	76,113,113	1.36	9 (11%)
14	CLA	b	830	4	65,73,73	1.47	6 (9%)	76,113,113	1.43	9 (11%)
18	LHG	g	850	-	48,48,48	1.11	6 (12%)	51,54,54	0.92	2 (3%)
14	CLA	G	812	2	60,68,73	1.56	5 (8%)	70,107,113	1.40	8 (11%)
14	CLA	B	840	-	65,73,73	1.50	6 (9%)	76,113,113	1.38	8 (10%)
14	CLA	b	807	4	65,73,73	1.47	6 (9%)	76,113,113	1.42	9 (11%)
14	CLA	a	840	18	45,53,73	1.80	6 (13%)	52,89,113	1.55	7 (13%)
14	CLA	b	812	4	54,62,73	1.65	6 (11%)	62,99,113	1.47	7 (11%)
14	CLA	B	805	4	55,63,73	1.63	7 (12%)	64,101,113	1.49	8 (12%)
14	CLA	b	803	-	65,73,73	1.48	6 (9%)	76,113,113	1.38	7 (9%)
14	CLA	s	202	-	45,53,73	1.81	5 (11%)	52,89,113	1.57	7 (13%)
14	CLA	A	812	2	60,68,73	1.57	7 (11%)	70,107,113	1.40	8 (11%)
17	BCR	j	103	-	41,41,41	0.75	0	56,56,56	2.02	15 (26%)
14	CLA	b	802	-	65,73,73	1.52	6 (9%)	76,113,113	1.38	9 (11%)
14	CLA	G	813	2	54,62,73	1.62	5 (9%)	62,99,113	1.50	8 (12%)
14	CLA	n	821	4	45,53,73	1.80	5 (11%)	52,89,113	1.55	6 (11%)
14	CLA	g	820	2	45,53,73	1.79	6 (13%)	52,89,113	1.63	8 (15%)
17	BCR	N	849	-	41,41,41	0.76	0	56,56,56	1.86	17 (30%)
14	CLA	g	812	2	54,62,73	1.63	6 (11%)	62,99,113	1.50	8 (12%)
14	CLA	N	840	4	47,55,73	1.76	5 (10%)	54,91,113	1.53	8 (14%)
14	CLA	a	837	2	65,73,73	1.51	6 (9%)	76,113,113	1.34	6 (7%)
14	CLA	N	821	-	65,73,73	1.51	5 (7%)	76,113,113	1.35	7 (9%)
14	CLA	n	850	4	58,66,73	1.58	7 (12%)	67,104,113	1.42	7 (10%)
17	BCR	N	845	-	41,41,41	0.73	0	56,56,56	1.99	14 (25%)
17	BCR	b	846	-	41,41,41	0.75	0	56,56,56	2.29	19 (33%)
14	CLA	B	818	4	65,73,73	1.49	6 (9%)	76,113,113	1.31	6 (7%)
14	CLA	K	101	10	42,49,73	1.85	7 (16%)	48,83,113	1.53	5 (10%)
14	CLA	B	831	4	54,62,73	1.63	6 (11%)	62,99,113	1.46	6 (9%)
14	CLA	A	808	2	65,73,73	1.47	6 (9%)	76,113,113	1.41	8 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	n	812	4	54,62,73	1.64	5 (9%)	62,99,113	1.47	7 (11%)
14	CLA	T	101	9	45,53,73	1.80	5 (11%)	52,89,113	1.58	6 (11%)
14	CLA	a	832	2	65,73,73	1.50	6 (9%)	76,113,113	1.37	7 (9%)
14	CLA	g	816	2	60,68,73	1.56	6 (10%)	70,107,113	1.39	6 (8%)
14	CLA	b	815	4	50,58,73	1.66	6 (12%)	58,95,113	1.56	9 (15%)
14	CLA	g	838	2	65,73,73	1.47	6 (9%)	76,113,113	1.39	9 (11%)
17	BCR	A	856	-	41,41,41	0.68	0	56,56,56	2.19	17 (30%)
17	BCR	a	848	-	41,41,41	0.73	0	56,56,56	2.27	21 (37%)
14	CLA	h	1701	3	49,57,73	1.72	6 (12%)	55,93,113	1.51	7 (12%)
17	BCR	w	206	-	41,41,41	0.74	0	56,56,56	2.13	13 (23%)
14	CLA	n	811	4	54,62,73	1.63	6 (11%)	62,99,113	1.46	6 (9%)
14	CLA	G	831	2	65,73,73	1.47	6 (9%)	76,113,113	1.40	8 (10%)
14	CLA	A	824	-	65,73,73	1.47	6 (9%)	76,113,113	1.45	6 (7%)
14	CLA	A	809	2	45,53,73	1.76	5 (11%)	52,89,113	1.58	7 (13%)
14	CLA	B	804	4	45,53,73	1.81	6 (13%)	52,89,113	1.49	6 (11%)
14	CLA	g	821	2	54,62,73	1.64	6 (11%)	62,99,113	1.44	8 (12%)
16	SF4	c	102	5	0,12,12	-	-	-		
17	BCR	f	203	-	41,41,41	0.73	0	56,56,56	2.11	16 (28%)
14	CLA	n	804	-	65,73,73	1.47	7 (10%)	76,113,113	1.40	8 (10%)
14	CLA	a	801	2	65,73,73	1.46	6 (9%)	76,113,113	1.43	8 (10%)
14	CLA	A	857	-	49,57,73	1.70	6 (12%)	55,93,113	1.56	7 (12%)
14	CLA	b	828	4	65,73,73	1.50	6 (9%)	76,113,113	1.36	9 (11%)
14	CLA	B	819	4	65,73,73	1.48	6 (9%)	76,113,113	1.40	7 (9%)
14	CLA	A	836	2	51,59,73	1.72	5 (9%)	59,96,113	1.48	6 (10%)
18	LHG	a	850	14	48,48,48	1.11	6 (12%)	51,54,54	0.95	2 (3%)
17	BCR	I	102	-	41,41,41	0.84	1 (2%)	56,56,56	2.84	22 (39%)
14	CLA	N	833	4	60,68,73	1.56	5 (8%)	70,107,113	1.41	7 (10%)
14	CLA	x	1701	3	49,57,73	1.71	5 (10%)	55,93,113	1.52	7 (12%)
14	CLA	t	102	9	38,45,73	1.92	6 (15%)	43,78,113	1.62	7 (16%)
14	CLA	g	837	2	65,73,73	1.51	6 (9%)	76,113,113	1.35	8 (10%)
14	CLA	g	806	2	65,73,73	1.46	6 (9%)	76,113,113	1.42	9 (11%)
14	CLA	b	822	4	45,53,73	1.79	6 (13%)	52,89,113	1.59	6 (11%)
14	CLA	G	814	2	45,53,73	1.78	6 (13%)	52,89,113	1.62	6 (11%)
14	CLA	g	804	2	65,73,73	1.50	6 (9%)	76,113,113	1.34	8 (10%)
14	CLA	b	853	4	55,63,73	1.63	5 (9%)	64,101,113	1.45	7 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	u	101	10	42,49,73	1.84	7 (16%)	48,83,113	1.53	6 (12%)
14	CLA	b	805	-	65,73,73	1.51	7 (10%)	76,113,113	1.40	10 (13%)
20	SQD	H	1702	-	53,54,54	1.53	7 (13%)	62,65,65	1.39	7 (11%)
14	CLA	B	834	4	54,62,73	1.62	6 (11%)	62,99,113	1.52	10 (16%)
14	CLA	G	801	-	65,73,73	1.50	6 (9%)	76,113,113	1.38	6 (7%)
14	CLA	n	810	4	60,68,73	1.55	6 (10%)	70,107,113	1.39	6 (8%)
14	CLA	a	831	2	65,73,73	1.47	6 (9%)	76,113,113	1.40	9 (11%)
14	CLA	b	810	4	65,73,73	1.48	6 (9%)	76,113,113	1.38	8 (10%)
14	CLA	G	833	2	65,73,73	1.49	5 (7%)	76,113,113	1.36	7 (9%)
17	BCR	T	104	-	41,41,41	0.72	0	56,56,56	2.09	15 (26%)
14	CLA	N	835	4	54,62,73	1.61	6 (11%)	62,99,113	1.48	7 (11%)
17	BCR	G	846	-	41,41,41	0.71	0	56,56,56	2.06	16 (28%)
17	BCR	j	104	-	41,41,41	0.70	0	56,56,56	2.42	21 (37%)
14	CLA	b	809	4	65,73,73	1.49	7 (10%)	76,113,113	1.39	9 (11%)
14	CLA	G	834	2	54,62,73	1.63	6 (11%)	62,99,113	1.47	8 (12%)
14	CLA	b	813	4	54,62,73	1.60	6 (11%)	62,99,113	1.53	7 (11%)
14	CLA	G	816	2	59,67,73	1.56	7 (11%)	68,105,113	1.40	7 (10%)
15	PQN	G	841	-	34,34,34	1.57	2 (5%)	42,45,45	1.16	4 (9%)
14	CLA	A	813	2	54,62,73	1.63	5 (9%)	62,99,113	1.50	8 (12%)
17	BCR	A	848	-	41,41,41	0.76	0	56,56,56	1.93	17 (30%)
14	CLA	b	839	4	47,55,73	1.75	5 (10%)	54,91,113	1.52	7 (12%)
14	CLA	B	817	4	45,53,73	1.78	7 (15%)	52,89,113	1.58	7 (13%)
14	CLA	g	834	2	45,53,73	1.77	5 (11%)	52,89,113	1.62	6 (11%)
14	CLA	l	204	-	45,53,73	1.80	5 (11%)	52,89,113	1.53	7 (13%)
14	CLA	U	101	10	42,49,73	1.85	7 (16%)	48,83,113	1.53	5 (10%)
14	CLA	n	827	4	65,73,73	1.50	6 (9%)	76,113,113	1.37	9 (11%)
14	CLA	n	839	-	65,73,73	1.48	6 (9%)	76,113,113	1.37	8 (10%)
14	CLA	A	832	2	65,73,73	1.50	6 (9%)	76,113,113	1.36	9 (11%)
17	BCR	g	845	-	41,41,41	0.75	0	56,56,56	2.14	16 (28%)
14	CLA	J	101	9	45,53,73	1.80	6 (13%)	52,89,113	1.58	7 (13%)
14	CLA	N	851	4	65,73,73	1.51	5 (7%)	76,113,113	1.36	9 (11%)
14	CLA	a	828	2	65,73,73	1.47	6 (9%)	76,113,113	1.37	8 (10%)
14	CLA	A	853	-	65,73,73	1.49	5 (7%)	76,113,113	1.37	8 (10%)
17	BCR	b	844	-	41,41,41	0.73	0	56,56,56	2.04	17 (30%)
14	CLA	g	825	2	65,73,73	1.47	7 (10%)	76,113,113	1.38	6 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	N	837	-	45,53,73	1.80	6 (13%)	52,89,113	1.55	6 (11%)
14	CLA	N	824	-	55,63,73	1.61	7 (12%)	64,101,113	1.45	6 (9%)
14	CLA	g	801	2	65,73,73	1.47	6 (9%)	76,113,113	1.42	6 (7%)
14	CLA	a	838	2	65,73,73	1.47	6 (9%)	76,113,113	1.40	8 (10%)
17	BCR	g	844	-	41,41,41	0.73	0	56,56,56	2.10	15 (26%)
17	BCR	m	102	-	41,41,41	0.70	0	56,56,56	2.05	16 (28%)
14	CLA	N	818	4	45,53,73	1.78	6 (13%)	52,89,113	1.59	6 (11%)
15	PQN	N	843	-	34,34,34	1.57	2 (5%)	42,45,45	1.20	4 (9%)
14	CLA	G	808	2	65,73,73	1.47	6 (9%)	76,113,113	1.39	8 (10%)
14	CLA	g	817	2	65,73,73	1.50	5 (7%)	76,113,113	1.38	9 (11%)
14	CLA	G	852	-	45,53,73	1.72	10 (22%)	52,89,113	1.51	6 (11%)
14	CLA	n	815	4	49,57,73	1.70	6 (12%)	55,93,113	1.55	8 (14%)
14	CLA	a	807	2	65,73,73	1.48	6 (9%)	76,113,113	1.44	8 (10%)
14	CLA	b	820	-	65,73,73	1.49	6 (9%)	76,113,113	1.39	8 (10%)
14	CLA	a	820	2	45,53,73	1.77	6 (13%)	52,89,113	1.63	7 (13%)
14	CLA	g	840	-	50,58,73	1.68	6 (12%)	58,95,113	1.60	8 (13%)
14	CLA	a	819	-	65,73,73	1.48	6 (9%)	76,113,113	1.41	8 (10%)
14	CLA	A	820	-	65,73,73	1.52	6 (9%)	76,113,113	1.37	7 (9%)
21	LMG	B	802	-	35,35,55	0.58	0	43,43,63	0.68	0
14	CLA	a	835	2	51,59,73	1.66	6 (11%)	59,96,113	1.53	6 (10%)
17	BCR	G	845	-	41,41,41	0.75	0	56,56,56	2.11	15 (26%)
14	CLA	f	202	-	45,53,73	1.80	5 (11%)	52,89,113	1.56	7 (13%)
15	PQN	n	841	-	34,34,34	1.55	2 (5%)	42,45,45	1.15	4 (9%)
14	CLA	a	821	2	54,62,73	1.64	6 (11%)	62,99,113	1.44	7 (11%)
14	CLA	A	821	2	45,53,73	1.78	5 (11%)	52,89,113	1.61	8 (15%)
20	SQD	n	801	-	53,54,54	1.54	8 (15%)	62,65,65	1.37	6 (9%)
14	CLA	n	830	4	54,62,73	1.64	6 (11%)	62,99,113	1.49	7 (11%)
14	CLA	N	826	4	65,73,73	1.48	7 (10%)	76,113,113	1.38	8 (10%)
14	CLA	A	828	2	65,73,73	1.49	6 (9%)	76,113,113	1.35	8 (10%)
14	CLA	G	824	-	65,73,73	1.47	6 (9%)	76,113,113	1.43	7 (9%)
14	CLA	G	838	2	65,73,73	1.49	6 (9%)	76,113,113	1.35	6 (7%)
16	SF4	P	101	5	0,12,12	-	-	-		
17	BCR	y	101	-	41,41,41	0.70	0	56,56,56	1.98	16 (28%)
17	BCR	b	850	-	41,41,41	0.71	0	56,56,56	1.99	13 (23%)
14	CLA	A	838	2	65,73,73	1.51	6 (9%)	76,113,113	1.37	7 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	a	823	-	65,73,73	1.48	6 (9%)	76,113,113	1.37	7 (9%)
14	CLA	g	852	-	65,73,73	1.47	9 (13%)	76,113,113	1.48	9 (11%)
14	CLA	N	804	4	65,73,73	1.49	7 (10%)	76,113,113	1.34	7 (9%)
14	CLA	G	805	2	65,73,73	1.46	5 (7%)	76,113,113	1.41	9 (11%)
14	CLA	n	802	-	65,73,73	1.48	6 (9%)	76,113,113	1.32	5 (6%)
14	CLA	A	805	2	65,73,73	1.51	6 (9%)	76,113,113	1.33	8 (10%)
14	CLA	N	819	4	65,73,73	1.49	7 (10%)	76,113,113	1.35	6 (7%)
17	BCR	n	849	-	41,41,41	0.73	0	56,56,56	1.97	16 (28%)
17	BCR	N	853	-	41,41,41	0.74	1 (2%)	56,56,56	2.09	16 (28%)
14	CLA	b	814	4	65,73,73	1.46	6 (9%)	76,113,113	1.40	7 (9%)
18	LHG	v	102	-	42,42,48	1.17	6 (14%)	45,48,54	0.99	3 (6%)
14	CLA	B	813	4	54,62,73	1.65	6 (11%)	62,99,113	1.46	7 (11%)
14	CLA	N	842	4	65,73,73	1.51	5 (7%)	76,113,113	1.37	8 (10%)
14	CLA	G	809	2	45,53,73	1.78	6 (13%)	52,89,113	1.58	6 (11%)
17	BCR	G	847	-	41,41,41	0.77	1 (2%)	56,56,56	2.01	15 (26%)
14	CLA	A	814	2	45,53,73	1.77	5 (11%)	52,89,113	1.59	6 (11%)
14	CLA	A	826	2	65,73,73	1.52	6 (9%)	76,113,113	1.50	9 (11%)
17	BCR	n	846	-	41,41,41	0.72	0	56,56,56	2.15	16 (28%)
17	BCR	n	843	-	41,41,41	0.71	0	56,56,56	1.96	17 (30%)
14	CLA	B	832	4	60,68,73	1.54	6 (10%)	70,107,113	1.40	6 (8%)
14	CLA	N	810	4	65,73,73	1.47	6 (9%)	76,113,113	1.40	8 (10%)
14	CLA	T	102	9	38,45,73	1.90	7 (18%)	43,78,113	1.62	6 (13%)
14	CLA	b	811	4	60,68,73	1.55	6 (10%)	70,107,113	1.38	7 (10%)
14	CLA	B	836	-	45,53,73	1.78	6 (13%)	52,89,113	1.58	6 (11%)
17	BCR	k	102	-	41,41,41	0.72	0	56,56,56	2.08	16 (28%)
14	CLA	G	823	2	45,53,73	1.77	6 (13%)	52,89,113	1.61	7 (13%)
14	CLA	A	811	2	59,67,73	1.56	6 (10%)	68,105,113	1.42	8 (11%)
14	CLA	n	824	4	65,73,73	1.47	6 (9%)	76,113,113	1.39	7 (9%)
17	BCR	g	847	-	41,41,41	0.82	2 (4%)	56,56,56	2.07	16 (28%)
14	CLA	L	1502	12	60,68,73	1.55	6 (10%)	70,107,113	1.41	8 (11%)
14	CLA	B	803	-	65,73,73	1.49	7 (10%)	76,113,113	1.33	5 (6%)
14	CLA	N	808	4	65,73,73	1.49	5 (7%)	76,113,113	1.37	9 (11%)
14	CLA	b	816	4	49,57,73	1.69	6 (12%)	55,93,113	1.54	7 (12%)
14	CLA	B	820	-	65,73,73	1.49	5 (7%)	76,113,113	1.40	7 (9%)
14	CLA	F	201	-	59,67,73	1.57	6 (10%)	68,105,113	1.42	8 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CLA	a	817	2	65,73,73	1.49	6 (9%)	76,113,113	1.37	9 (11%)
14	CLA	A	807	2	65,73,73	1.48	6 (9%)	76,113,113	1.42	8 (10%)
14	CLA	a	812	2	54,62,73	1.63	5 (9%)	62,99,113	1.52	8 (12%)
14	CLA	n	809	4	65,73,73	1.47	7 (10%)	76,113,113	1.38	6 (7%)
17	BCR	n	847	-	41,41,41	0.79	1 (2%)	56,56,56	1.99	15 (26%)
14	CLA	N	828	4	65,73,73	1.48	5 (7%)	76,113,113	1.42	6 (7%)

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
17	BCR	A	845	-	-	2/29/63/63	0/2/2/2
14	CLA	a	814	-	1/1/11/20	4/13/91/115	-
18	LHG	g	849	-	-	30/53/53/53	-
17	BCR	n	845	-	-	3/29/63/63	0/2/2/2
14	CLA	b	829	4	1/1/15/20	14/37/115/115	-
14	CLA	g	831	2	1/1/15/20	6/37/115/115	-
17	BCR	u	103	-	-	0/29/63/63	0/2/2/2
17	BCR	I	103	-	-	8/29/63/63	0/2/2/2
14	CLA	B	838	4	1/1/15/20	5/37/115/115	-
17	BCR	B	844	-	-	11/29/63/63	0/2/2/2
14	CLA	n	823	4	1/1/15/20	13/37/115/115	-
14	CLA	n	816	4	1/1/11/20	4/13/91/115	-
14	CLA	B	850	4	1/1/15/20	17/37/115/115	-
14	CLA	a	834	2	1/1/11/20	9/13/91/115	-
16	SF4	C	102	5	-	-	0/6/5/5
17	BCR	b	845	-	-	6/29/63/63	0/2/2/2
21	LMG	N	802	-	-	9/30/50/70	0/1/1/1
14	CLA	a	833	2	1/1/12/20	4/24/102/115	-
14	CLA	G	825	-	1/1/12/20	4/24/102/115	-
14	CLA	n	803	4	1/1/15/20	15/37/115/115	-
17	BCR	W	206	-	-	6/29/63/63	0/2/2/2
14	CLA	a	853	-	1/1/15/20	7/37/115/115	-
14	CLA	b	825	4	1/1/15/20	9/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	b	806	4	1/1/15/20	14/37/115/115	-
14	CLA	W	203	12	1/1/14/20	7/31/109/115	-
14	CLA	g	818	2	1/1/12/20	9/24/102/115	-
14	CLA	B	812	4	1/1/12/20	8/24/102/115	-
14	CLA	A	817	2	1/1/14/20	11/31/109/115	-
18	LHG	G	849	-	-	28/53/53/53	-
14	CLA	a	822	2	1/1/11/20	6/13/91/115	-
14	CLA	A	827	2	1/1/15/20	8/37/115/115	-
14	CLA	B	821	4	1/1/11/20	8/13/91/115	-
14	CLA	B	826	-	1/1/15/20	14/37/115/115	-
17	BCR	U	103	-	-	0/29/63/63	0/2/2/2
14	CLA	G	820	-	1/1/15/20	14/37/115/115	-
14	CLA	G	819	2	1/1/12/20	7/24/102/115	-
17	BCR	Y	101	-	-	4/29/63/63	0/2/2/2
14	CLA	L	1503	-	1/1/11/20	3/13/91/115	-
17	BCR	l	205	-	-	4/29/63/63	0/2/2/2
14	CLA	G	835	2	1/1/11/20	9/13/91/115	-
14	CLA	g	827	2	1/1/15/20	11/37/115/115	-
14	CLA	a	813	2	1/1/11/20	8/13/91/115	-
14	CLA	A	829	2	1/1/15/20	8/37/115/115	-
14	CLA	b	841	4	1/1/15/20	16/37/115/115	-
14	CLA	B	811	4	1/1/14/20	12/31/109/115	-
17	BCR	N	844	-	-	2/29/63/63	0/2/2/2
14	CLA	g	811	2	1/1/14/20	5/31/109/115	-
14	CLA	G	837	2	1/1/15/20	19/37/115/115	-
14	CLA	A	841	18	1/1/11/20	9/13/91/115	-
14	CLA	g	802	2	1/1/12/20	8/24/102/115	-
14	CLA	g	819	-	1/1/15/20	14/37/115/115	-
14	CLA	a	808	2	1/1/11/20	7/13/91/115	-
14	CLA	G	804	2	1/1/15/20	20/37/115/115	-
14	CLA	S	203	-	1/1/11/20	5/13/91/115	-
14	CLA	g	809	2	1/1/15/20	10/37/115/115	-
14	CLA	A	815	-	1/1/11/20	4/13/91/115	-
14	CLA	a	836	2	1/1/15/20	11/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	n	851	-	-	4/29/63/63	0/2/2/2
17	BCR	i	102	-	-	6/29/63/63	0/2/2/2
14	CLA	n	806	4	1/1/15/20	16/37/115/115	-
14	CLA	G	826	2	1/1/15/20	12/37/115/115	-
17	BCR	a	844	-	-	3/29/63/63	0/2/2/2
14	CLA	N	801	-	1/1/15/20	13/37/115/115	-
14	CLA	n	805	4	1/1/15/20	11/37/115/115	-
21	LMG	N	850	-	-	16/50/70/70	0/1/1/1
14	CLA	n	814	4	1/1/12/20	4/19/97/115	-
14	CLA	N	832	4	1/1/12/20	7/24/102/115	-
14	CLA	B	807	4	1/1/15/20	14/37/115/115	-
17	BCR	b	843	-	-	4/29/63/63	0/2/2/2
14	CLA	n	807	4	1/1/15/20	7/37/115/115	-
14	CLA	A	830	2	1/1/12/20	10/24/102/115	-
19	CL0	G	851	2	3/3/20/25	9/37/135/135	-
14	CLA	G	840	18	1/1/11/20	8/13/91/115	-
17	BCR	J	103	-	-	2/29/63/63	0/2/2/2
14	CLA	b	833	4	1/1/15/20	14/37/115/115	-
14	CLA	w	205	-	1/1/11/20	6/13/91/115	-
21	LMG	B	849	-	-	20/50/70/70	0/1/1/1
20	SQD	w	202	-	-	27/49/69/69	0/1/1/1
14	CLA	B	810	4	1/1/15/20	18/37/115/115	-
14	CLA	A	802	2	1/1/15/20	15/37/115/115	-
14	CLA	N	820	4	1/1/15/20	10/37/115/115	-
16	SF4	p	101	5	-	-	0/6/5/5
14	CLA	H	1701	3	1/1/11/20	9/18/96/115	-
14	CLA	B	839	4	1/1/11/20	5/16/94/115	-
15	PQN	B	842	-	-	6/23/43/43	0/2/2/2
14	CLA	G	836	2	1/1/12/20	3/21/99/115	-
14	CLA	F	202	-	1/1/11/20	3/13/91/115	-
16	SF4	P	102	5	-	-	0/6/5/5
14	CLA	b	836	-	1/1/11/20	8/13/91/115	-
14	CLA	l	203	12	1/1/14/20	9/31/109/115	-
17	BCR	A	844	-	-	2/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	b	817	4	1/1/11/20	4/13/91/115	-
14	CLA	b	838	4	1/1/15/20	6/37/115/115	-
17	BCR	t	104	-	-	7/29/63/63	0/2/2/2
14	CLA	A	833	2	1/1/15/20	12/37/115/115	-
17	BCR	b	847	-	-	4/29/63/63	0/2/2/2
14	CLA	n	825	-	1/1/15/20	14/37/115/115	-
17	BCR	A	846	-	-	2/29/63/63	0/2/2/2
14	CLA	N	829	4	1/1/15/20	10/37/115/115	-
14	CLA	N	827	-	1/1/15/20	15/37/115/115	-
17	BCR	b	848	-	-	0/29/63/63	0/2/2/2
14	CLA	N	838	4	1/1/14/20	12/31/109/115	-
18	LHG	A	851	14	-	25/53/53/53	-
14	CLA	n	840	4	1/1/15/20	13/37/115/115	-
14	CLA	A	803	14,2	1/1/12/20	6/24/102/115	-
14	CLA	G	821	2	1/1/11/20	7/13/91/115	-
14	CLA	W	202	12	1/1/12/20	7/21/99/115	-
17	BCR	B	845	-	-	4/29/63/63	0/2/2/2
17	BCR	i	101	-	-	3/29/63/63	0/2/2/2
14	CLA	B	841	4	1/1/15/20	16/37/115/115	-
16	SF4	a	842	4,2	-	-	0/6/5/5
14	CLA	A	835	2	1/1/11/20	9/13/91/115	-
14	CLA	N	812	4	1/1/14/20	14/31/109/115	-
17	BCR	N	852	-	-	3/29/63/63	0/2/2/2
14	CLA	g	803	2	1/1/15/20	20/37/115/115	-
18	LHG	m	101	-	-	25/47/47/53	-
14	CLA	B	808	4	1/1/15/20	12/37/115/115	-
14	CLA	a	854	-	1/1/11/20	5/18/96/115	-
14	CLA	a	811	2	1/1/14/20	15/31/109/115	-
18	LHG	a	849	-	-	27/53/53/53	-
14	CLA	n	837	4	1/1/15/20	16/37/115/115	-
14	CLA	J	102	9	1/1/8/20	0/2/76/115	-
18	LHG	G	850	14	-	29/53/53/53	-
18	LHG	A	850	-	-	25/53/53/53	-
17	BCR	A	847	-	-	2/29/63/63	0/2/2/2
14	CLA	n	852	4	1/1/13/20	7/25/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	SQD	B	801	-	-	22/49/69/69	0/1/1/1
14	CLA	g	824	-	1/1/12/20	3/24/102/115	-
14	CLA	a	804	2	1/1/15/20	19/37/115/115	-
14	CLA	N	811	4	1/1/15/20	14/37/115/115	-
14	CLA	B	830	4	1/1/15/20	9/37/115/115	-
14	CLA	B	828	4	1/1/15/20	10/37/115/115	-
14	CLA	b	823	-	1/1/13/20	10/25/103/115	-
14	CLA	w	203	12	1/1/11/20	8/13/91/115	-
14	CLA	a	818	2	1/1/12/20	9/24/102/115	-
14	CLA	A	806	2	1/1/14/20	8/31/109/115	-
14	CLA	b	826	-	1/1/15/20	16/37/115/115	-
14	CLA	B	809	4	1/1/15/20	8/37/115/115	-
14	CLA	X	1701	3	1/1/11/20	9/18/96/115	-
18	LHG	S	202	-	-	24/47/47/53	-
14	CLA	k	101	10	1/1/9/20	3/7/81/115	-
14	CLA	g	832	2	1/1/15/20	11/37/115/115	-
14	CLA	N	807	4	1/1/15/20	12/37/115/115	-
14	CLA	b	819	4	1/1/15/20	8/37/115/115	-
14	CLA	a	810	2	1/1/13/20	11/30/108/115	-
14	CLA	g	822	2	1/1/11/20	4/13/91/115	-
14	CLA	B	824	4	1/1/15/20	16/37/115/115	-
20	SQD	l	201	-	-	19/49/69/69	0/1/1/1
14	CLA	B	833	4	1/1/13/20	12/29/107/115	-
14	CLA	g	814	-	1/1/11/20	4/13/91/115	-
15	PQN	A	842	-	-	6/23/43/43	0/2/2/2
14	CLA	A	834	2	1/1/12/20	4/24/102/115	-
15	PQN	a	841	-	-	3/23/43/43	0/2/2/2
14	CLA	n	833	4	1/1/12/20	13/24/102/115	-
17	BCR	B	843	-	-	7/29/63/63	0/2/2/2
14	CLA	N	830	4	1/1/15/20	9/37/115/115	-
14	CLA	a	809	14,2	1/1/15/20	13/37/115/115	-
14	CLA	S	201	-	1/1/13/20	9/30/108/115	-
18	LHG	X	1702	-	-	28/47/47/53	-
14	CLA	b	804	4	1/1/15/20	16/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A	816	2	1/1/13/20	8/30/108/115	-
14	CLA	j	102	9	1/1/8/20	0/2/76/115	-
14	CLA	G	827	2	1/1/15/20	14/37/115/115	-
14	CLA	a	839	2	1/1/15/20	4/37/115/115	-
14	CLA	U	102	-	1/1/11/20	3/18/96/115	-
14	CLA	g	836	2	1/1/15/20	15/37/115/115	-
14	CLA	g	853	-	1/1/15/20	6/37/115/115	-
14	CLA	b	818	4	1/1/15/20	13/37/115/115	-
14	CLA	a	830	2	1/1/15/20	15/37/115/115	-
14	CLA	N	813	4	1/1/12/20	6/24/102/115	-
14	CLA	B	835	-	1/1/11/20	9/13/91/115	-
14	CLA	A	825	-	1/1/12/20	8/24/102/115	-
14	CLA	g	839	2	1/1/15/20	5/37/115/115	-
14	CLA	n	835	-	1/1/11/20	8/13/91/115	-
17	BCR	N	846	-	-	4/29/63/63	0/2/2/2
14	CLA	a	826	2	1/1/15/20	15/37/115/115	-
14	CLA	N	822	4	1/1/11/20	6/13/91/115	-
21	LMG	b	849	-	-	20/50/70/70	0/1/1/1
14	CLA	B	823	-	1/1/13/20	12/25/103/115	-
17	BCR	N	848	-	-	2/29/63/63	0/2/2/2
16	SF4	c	101	5	-	-	0/6/5/5
14	CLA	a	815	2	1/1/13/20	8/30/108/115	-
17	BCR	n	842	-	-	2/29/63/63	0/2/2/2
17	BCR	B	847	-	-	2/29/63/63	0/2/2/2
14	CLA	W	204	-	1/1/11/20	6/13/91/115	-
14	CLA	g	835	2	1/1/12/20	7/21/99/115	-
17	BCR	B	848	-	-	2/29/63/63	0/2/2/2
17	BCR	t	103	-	-	2/29/63/63	0/2/2/2
14	CLA	l	202	12	1/1/11/20	6/13/91/115	-
14	CLA	N	803	-	1/1/15/20	15/37/115/115	-
14	CLA	N	815	4	1/1/15/20	12/37/115/115	-
14	CLA	G	839	2	1/1/15/20	11/37/115/115	-
14	CLA	g	823	-	1/1/15/20	10/37/115/115	-
17	BCR	W	201	-	-	11/29/63/63	0/2/2/2
17	BCR	B	852	-	-	0/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	g	829	2	1/1/12/20	4/24/102/115	-
17	BCR	a	843	-	-	2/29/63/63	0/2/2/2
14	CLA	G	830	2	1/1/12/20	7/24/102/115	-
14	CLA	s	201	-	1/1/13/20	14/30/108/115	-
14	CLA	B	816	4	1/1/11/20	6/18/96/115	-
15	PQN	g	841	-	-	2/23/43/43	0/2/2/2
17	BCR	V	101	-	-	2/29/63/63	0/2/2/2
14	CLA	A	818	2	1/1/15/20	16/37/115/115	-
17	BCR	n	844	-	-	6/29/63/63	0/2/2/2
16	SF4	G	842	4,2	-	-	0/6/5/5
14	CLA	g	833	2	1/1/12/20	5/24/102/115	-
14	CLA	f	201	-	1/1/13/20	10/30/108/115	-
17	BCR	G	844	-	-	3/29/63/63	0/2/2/2
14	CLA	G	806	2	1/1/13/20	10/30/108/115	-
19	CL0	a	851	2	3/3/20/25	10/37/135/135	-
14	CLA	a	802	14,2	1/1/12/20	8/24/102/115	-
20	SQD	h	1702	-	-	28/49/69/69	0/1/1/1
14	CLA	G	815	-	1/1/11/20	3/13/91/115	-
14	CLA	b	835	-	1/1/11/20	4/13/91/115	-
14	CLA	b	808	4	1/1/15/20	5/37/115/115	-
17	BCR	A	849	-	-	12/29/63/63	0/2/2/2
14	CLA	n	820	4	1/1/11/20	10/13/91/115	-
14	CLA	B	829	4	1/1/15/20	10/37/115/115	-
14	CLA	n	831	4	1/1/14/20	7/31/109/115	-
17	BCR	I	101	-	-	4/29/63/63	0/2/2/2
14	CLA	n	826	4	1/1/15/20	7/37/115/115	-
14	CLA	N	809	4	1/1/15/20	7/37/115/115	-
14	CLA	n	834	-	1/1/11/20	7/13/91/115	-
14	CLA	A	840	-	1/1/15/20	11/37/115/115	-
16	SF4	g	842	4,2	-	-	0/6/5/5
14	CLA	b	821	4	1/1/11/20	6/13/91/115	-
17	BCR	a	846	-	-	11/29/63/63	0/2/2/2
17	BCR	s	203	-	-	2/29/63/63	0/2/2/2
14	CLA	G	811	2	1/1/13/20	7/30/108/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	g	807	2	1/1/15/20	17/37/115/115	-
20	SQD	b	801	-	-	18/49/69/69	0/1/1/1
14	CLA	g	826	2	1/1/15/20	16/37/115/115	-
14	CLA	N	805	-	1/1/15/20	14/37/115/115	-
17	BCR	L	1504	-	-	2/29/63/63	0/2/2/2
14	CLA	b	824	4	1/1/15/20	12/37/115/115	-
14	CLA	a	824	-	1/1/12/20	6/24/102/115	-
14	CLA	B	806	4	1/1/15/20	15/37/115/115	-
17	BCR	F	203	-	-	2/29/63/63	0/2/2/2
20	SQD	x	1702	-	-	29/49/69/69	0/1/1/1
14	CLA	A	837	2	1/1/15/20	10/37/115/115	-
14	CLA	n	838	4	1/1/11/20	2/16/94/115	-
14	CLA	n	819	-	1/1/15/20	9/37/115/115	-
14	CLA	A	822	2	1/1/12/20	12/24/102/115	-
14	CLA	G	802	2	1/1/15/20	8/37/115/115	-
14	CLA	B	814	4	1/1/15/20	14/37/115/115	-
14	CLA	a	816	-	1/1/14/20	8/31/109/115	-
16	SF4	p	102	5	-	-	0/6/5/5
14	CLA	a	803	2	1/1/15/20	17/37/115/115	-
14	CLA	w	204	12	1/1/14/20	9/31/109/115	-
14	CLA	b	840	-	1/1/15/20	8/37/115/115	-
17	BCR	K	102	-	-	2/29/63/63	0/2/2/2
14	CLA	g	854	-	1/1/15/20	20/37/115/115	-
14	CLA	G	810	2	1/1/15/20	18/37/115/115	-
17	BCR	a	845	-	-	0/29/63/63	0/2/2/2
14	CLA	g	830	2	1/1/15/20	16/37/115/115	-
14	CLA	b	834	4	1/1/12/20	6/24/102/115	-
19	CL0	g	851	2	3/3/20/25	5/37/135/135	-
14	CLA	g	810	2	1/1/13/20	11/30/108/115	-
14	CLA	B	827	4	1/1/15/20	10/37/115/115	-
17	BCR	B	851	-	-	3/29/63/63	0/2/2/2
17	BCR	w	201	-	-	5/29/63/63	0/2/2/2
17	BCR	N	847	-	-	8/29/63/63	0/2/2/2
14	CLA	G	818	2	1/1/15/20	8/37/115/115	-
17	BCR	b	852	-	-	1/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	g	813	2	1/1/11/20	5/13/91/115	-
14	CLA	B	825	4	1/1/15/20	9/37/115/115	-
14	CLA	G	803	2	1/1/12/20	5/24/102/115	-
14	CLA	L	1501	12	1/1/12/20	8/21/99/115	-
14	CLA	b	827	4	1/1/15/20	9/37/115/115	-
14	CLA	a	806	2	1/1/15/20	13/37/115/115	-
17	BCR	g	846	-	-	9/29/63/63	0/2/2/2
14	CLA	b	851	4	1/1/13/20	7/29/107/115	-
14	CLA	N	823	4	1/1/11/20	4/13/91/115	-
17	BCR	M	101	-	-	2/29/63/63	0/2/2/2
14	CLA	G	817	2	1/1/14/20	9/31/109/115	-
14	CLA	a	805	2	1/1/14/20	5/31/109/115	-
14	CLA	B	815	4	1/1/12/20	5/19/97/115	-
14	CLA	N	816	4	1/1/12/20	3/19/97/115	-
14	CLA	n	817	4	1/1/15/20	11/37/115/115	-
17	BCR	g	848	-	-	12/29/63/63	0/2/2/2
19	CL0	A	852	-	3/3/16/25	2/13/111/135	-
14	CLA	j	101	9	1/1/11/20	8/13/91/115	-
14	CLA	N	839	4	1/1/15/20	7/37/115/115	-
17	BCR	T	103	-	-	2/29/63/63	0/2/2/2
17	BCR	l	206	-	-	4/29/63/63	0/2/2/2
14	CLA	b	831	4	1/1/12/20	9/24/102/115	-
14	CLA	t	101	9	1/1/11/20	6/13/91/115	-
14	CLA	n	829	4	1/1/15/20	10/37/115/115	-
14	CLA	N	831	4	1/1/15/20	11/37/115/115	-
14	CLA	G	829	2	1/1/15/20	7/37/115/115	-
17	BCR	W	205	-	-	4/29/63/63	0/2/2/2
14	CLA	G	828	2	1/1/15/20	12/37/115/115	-
14	CLA	B	837	4	1/1/14/20	11/31/109/115	-
14	CLA	g	815	2	1/1/13/20	8/30/108/115	-
14	CLA	B	822	4	1/1/11/20	5/13/91/115	-
14	CLA	n	808	4	1/1/15/20	10/37/115/115	-
17	BCR	B	846	-	-	7/29/63/63	0/2/2/2
14	CLA	G	832	2	1/1/15/20	14/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	w	207	-	-	4/29/63/63	0/2/2/2
17	BCR	v	101	-	-	2/29/63/63	0/2/2/2
14	CLA	n	818	4	1/1/15/20	9/37/115/115	-
14	CLA	n	822	-	1/1/13/20	11/25/103/115	-
14	CLA	A	823	2	1/1/11/20	4/13/91/115	-
14	CLA	b	832	4	1/1/14/20	4/31/109/115	-
21	LMG	n	848	-	-	13/50/70/70	0/1/1/1
16	SF4	A	843	4,2	-	-	0/6/5/5
14	CLA	N	841	-	1/1/15/20	4/37/115/115	-
14	CLA	g	808	2	1/1/11/20	7/13/91/115	-
17	BCR	G	843	-	-	2/29/63/63	0/2/2/2
14	CLA	N	836	-	1/1/11/20	2/13/91/115	-
14	CLA	A	855	-	1/1/11/20	7/13/91/115	-
14	CLA	N	817	4	1/1/11/20	6/18/96/115	-
14	CLA	n	828	4	1/1/15/20	14/37/115/115	-
14	CLA	a	827	2	1/1/15/20	10/37/115/115	-
14	CLA	G	807	2	1/1/15/20	15/37/115/115	-
14	CLA	N	825	4	1/1/15/20	14/37/115/115	-
14	CLA	N	806	4	1/1/13/20	9/25/103/115	-
14	CLA	A	819	2	1/1/12/20	14/24/102/115	-
14	CLA	A	831	2	1/1/15/20	17/37/115/115	-
14	CLA	N	814	4	1/1/12/20	8/24/102/115	-
14	CLA	g	828	2	1/1/15/20	9/37/115/115	-
15	PQN	b	842	-	-	1/23/43/43	0/2/2/2
17	BCR	S	204	-	-	2/29/63/63	0/2/2/2
14	CLA	n	813	4	1/1/15/20	10/37/115/115	-
14	CLA	u	102	-	1/1/11/20	7/18/96/115	-
16	SF4	C	101	5	-	-	0/6/5/5
14	CLA	A	854	2	1/1/15/20	16/37/115/115	-
14	CLA	A	801	-	1/1/15/20	7/37/115/115	-
14	CLA	g	805	2	1/1/14/20	5/31/109/115	-
14	CLA	n	832	4	1/1/15/20	15/37/115/115	-
14	CLA	A	810	14,2	1/1/15/20	12/37/115/115	-
14	CLA	N	834	4	1/1/13/20	9/29/107/115	-
14	CLA	b	837	4	1/1/14/20	11/31/109/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	n	836	4	1/1/14/20	2/31/109/115	-
14	CLA	G	822	2	1/1/12/20	8/24/102/115	-
17	BCR	g	843	-	-	2/29/63/63	0/2/2/2
17	BCR	G	848	-	-	12/29/63/63	0/2/2/2
14	CLA	a	825	2	1/1/15/20	7/37/115/115	-
14	CLA	G	853	2	1/1/15/20	9/37/115/115	-
14	CLA	a	829	2	1/1/12/20	5/24/102/115	-
17	BCR	a	847	-	-	4/29/63/63	0/2/2/2
14	CLA	a	852	-	1/1/11/20	7/13/91/115	-
14	CLA	A	804	2	1/1/15/20	16/37/115/115	-
14	CLA	A	839	2	1/1/15/20	16/37/115/115	-
14	CLA	b	830	4	1/1/15/20	11/37/115/115	-
18	LHG	g	850	-	-	22/53/53/53	-
14	CLA	G	812	2	1/1/14/20	9/31/109/115	-
14	CLA	B	840	-	1/1/15/20	10/37/115/115	-
14	CLA	b	807	4	1/1/15/20	9/37/115/115	-
14	CLA	a	840	18	1/1/11/20	7/13/91/115	-
14	CLA	b	812	4	1/1/12/20	9/24/102/115	-
14	CLA	B	805	4	1/1/13/20	12/25/103/115	-
14	CLA	b	803	-	1/1/15/20	17/37/115/115	-
14	CLA	s	202	-	1/1/11/20	3/13/91/115	-
14	CLA	A	812	2	1/1/14/20	12/31/109/115	-
17	BCR	j	103	-	-	2/29/63/63	0/2/2/2
14	CLA	b	802	-	1/1/15/20	10/37/115/115	-
14	CLA	G	813	2	1/1/12/20	7/24/102/115	-
14	CLA	n	821	4	1/1/11/20	3/13/91/115	-
14	CLA	g	820	2	1/1/11/20	9/13/91/115	-
17	BCR	N	849	-	-	0/29/63/63	0/2/2/2
14	CLA	g	812	2	1/1/12/20	9/24/102/115	-
14	CLA	N	840	4	1/1/11/20	4/16/94/115	-
14	CLA	a	837	2	1/1/15/20	16/37/115/115	-
14	CLA	N	821	-	1/1/15/20	15/37/115/115	-
14	CLA	n	850	4	1/1/13/20	13/29/107/115	-
17	BCR	N	845	-	-	3/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	b	846	-	-	11/29/63/63	0/2/2/2
14	CLA	B	818	4	1/1/15/20	21/37/115/115	-
14	CLA	K	101	10	1/1/9/20	5/7/81/115	-
14	CLA	B	831	4	1/1/12/20	9/24/102/115	-
14	CLA	A	808	2	1/1/15/20	11/37/115/115	-
14	CLA	n	812	4	1/1/12/20	5/24/102/115	-
14	CLA	T	101	9	1/1/11/20	9/13/91/115	-
14	CLA	a	832	2	1/1/15/20	9/37/115/115	-
14	CLA	g	816	2	1/1/14/20	13/31/109/115	-
14	CLA	b	815	4	1/1/12/20	10/19/97/115	-
14	CLA	g	838	2	1/1/15/20	13/37/115/115	-
17	BCR	A	856	-	-	7/29/63/63	0/2/2/2
17	BCR	a	848	-	-	12/29/63/63	0/2/2/2
14	CLA	h	1701	3	1/1/11/20	8/18/96/115	-
17	BCR	w	206	-	-	5/29/63/63	0/2/2/2
14	CLA	n	811	4	1/1/12/20	9/24/102/115	-
14	CLA	G	831	2	1/1/15/20	11/37/115/115	-
14	CLA	A	824	-	1/1/15/20	8/37/115/115	-
14	CLA	A	809	2	1/1/11/20	6/13/91/115	-
14	CLA	B	804	4	1/1/11/20	7/13/91/115	-
14	CLA	g	821	2	1/1/12/20	11/24/102/115	-
16	SF4	c	102	5	-	-	0/6/5/5
17	BCR	f	203	-	-	2/29/63/63	0/2/2/2
14	CLA	n	804	-	1/1/15/20	10/37/115/115	-
14	CLA	a	801	2	1/1/15/20	8/37/115/115	-
14	CLA	A	857	-	1/1/11/20	4/18/96/115	-
14	CLA	b	828	4	1/1/15/20	13/37/115/115	-
14	CLA	B	819	4	1/1/15/20	13/37/115/115	-
14	CLA	A	836	2	1/1/12/20	8/21/99/115	-
18	LHG	a	850	14	-	32/53/53/53	-
17	BCR	I	102	-	-	14/29/63/63	0/2/2/2
14	CLA	N	833	4	1/1/14/20	15/31/109/115	-
14	CLA	x	1701	3	1/1/11/20	9/18/96/115	-
14	CLA	t	102	9	1/1/8/20	0/2/76/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	g	837	2	1/1/15/20	16/37/115/115	-
14	CLA	g	806	2	1/1/15/20	16/37/115/115	-
14	CLA	b	822	4	1/1/11/20	5/13/91/115	-
14	CLA	G	814	2	1/1/11/20	8/13/91/115	-
14	CLA	g	804	2	1/1/15/20	14/37/115/115	-
14	CLA	b	853	4	1/1/13/20	10/25/103/115	-
14	CLA	u	101	10	1/1/9/20	3/7/81/115	-
14	CLA	b	805	-	1/1/15/20	9/37/115/115	-
20	SQD	H	1702	-	-	22/49/69/69	0/1/1/1
14	CLA	B	834	4	1/1/12/20	11/24/102/115	-
14	CLA	G	801	-	1/1/15/20	8/37/115/115	-
14	CLA	n	810	4	1/1/14/20	18/31/109/115	-
14	CLA	a	831	2	1/1/15/20	7/37/115/115	-
14	CLA	b	810	4	1/1/15/20	13/37/115/115	-
14	CLA	G	833	2	1/1/15/20	11/37/115/115	-
17	BCR	T	104	-	-	8/29/63/63	0/2/2/2
14	CLA	N	835	4	1/1/12/20	7/24/102/115	-
17	BCR	G	846	-	-	4/29/63/63	0/2/2/2
17	BCR	j	104	-	-	11/29/63/63	0/2/2/2
14	CLA	b	809	4	1/1/15/20	9/37/115/115	-
14	CLA	G	834	2	1/1/12/20	1/24/102/115	-
14	CLA	b	813	4	1/1/12/20	8/24/102/115	-
14	CLA	G	816	2	1/1/13/20	9/30/108/115	-
15	PQN	G	841	-	-	5/23/43/43	0/2/2/2
14	CLA	A	813	2	1/1/12/20	7/24/102/115	-
17	BCR	A	848	-	-	2/29/63/63	0/2/2/2
14	CLA	b	839	4	1/1/11/20	2/16/94/115	-
14	CLA	B	817	4	1/1/11/20	7/13/91/115	-
14	CLA	g	834	2	1/1/11/20	7/13/91/115	-
14	CLA	l	204	-	1/1/11/20	7/13/91/115	-
14	CLA	U	101	10	1/1/9/20	5/7/81/115	-
14	CLA	n	827	4	1/1/15/20	17/37/115/115	-
14	CLA	n	839	-	1/1/15/20	2/37/115/115	-
14	CLA	A	832	2	1/1/15/20	9/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	BCR	g	845	-	-	2/29/63/63	0/2/2/2
14	CLA	J	101	9	1/1/11/20	9/13/91/115	-
14	CLA	N	851	4	1/1/15/20	17/37/115/115	-
14	CLA	a	828	2	1/1/15/20	9/37/115/115	-
14	CLA	A	853	-	1/1/15/20	12/37/115/115	-
17	BCR	b	844	-	-	6/29/63/63	0/2/2/2
14	CLA	g	825	2	1/1/15/20	13/37/115/115	-
14	CLA	N	837	-	1/1/11/20	8/13/91/115	-
14	CLA	N	824	-	1/1/13/20	4/25/103/115	-
14	CLA	g	801	2	1/1/15/20	6/37/115/115	-
14	CLA	a	838	2	1/1/15/20	7/37/115/115	-
17	BCR	g	844	-	-	3/29/63/63	0/2/2/2
17	BCR	m	102	-	-	4/29/63/63	0/2/2/2
14	CLA	N	818	4	1/1/11/20	4/13/91/115	-
15	PQN	N	843	-	-	1/23/43/43	0/2/2/2
14	CLA	G	808	2	1/1/15/20	17/37/115/115	-
14	CLA	g	817	2	1/1/15/20	10/37/115/115	-
14	CLA	G	852	-	1/1/11/20	5/13/91/115	-
14	CLA	n	815	4	1/1/11/20	7/18/96/115	-
14	CLA	a	807	2	1/1/15/20	7/37/115/115	-
14	CLA	b	820	-	1/1/15/20	9/37/115/115	-
14	CLA	a	820	2	1/1/11/20	7/13/91/115	-
14	CLA	g	840	-	1/1/12/20	6/19/97/115	-
14	CLA	a	819	-	1/1/15/20	14/37/115/115	-
14	CLA	A	820	-	1/1/15/20	15/37/115/115	-
21	LMG	B	802	-	-	10/30/50/70	0/1/1/1
14	CLA	a	835	2	1/1/12/20	7/21/99/115	-
17	BCR	G	845	-	-	1/29/63/63	0/2/2/2
14	CLA	f	202	-	1/1/11/20	3/13/91/115	-
15	PQN	n	841	-	-	2/23/43/43	0/2/2/2
14	CLA	a	821	2	1/1/12/20	12/24/102/115	-
14	CLA	A	821	2	1/1/11/20	7/13/91/115	-
20	SQD	n	801	-	-	21/49/69/69	0/1/1/1
14	CLA	n	830	4	1/1/12/20	7/24/102/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	N	826	4	1/1/15/20	13/37/115/115	-
14	CLA	A	828	2	1/1/15/20	7/37/115/115	-
14	CLA	G	824	-	1/1/15/20	13/37/115/115	-
14	CLA	G	838	2	1/1/15/20	12/37/115/115	-
16	SF4	P	101	5	-	-	0/6/5/5
17	BCR	y	101	-	-	5/29/63/63	0/2/2/2
17	BCR	b	850	-	-	6/29/63/63	0/2/2/2
14	CLA	A	838	2	1/1/15/20	13/37/115/115	-
14	CLA	a	823	-	1/1/15/20	12/37/115/115	-
14	CLA	g	852	-	1/1/15/20	12/37/115/115	-
14	CLA	N	804	4	1/1/15/20	17/37/115/115	-
14	CLA	G	805	2	1/1/15/20	16/37/115/115	-
14	CLA	n	802	-	1/1/15/20	15/37/115/115	-
14	CLA	A	805	2	1/1/15/20	18/37/115/115	-
14	CLA	N	819	4	1/1/15/20	11/37/115/115	-
17	BCR	n	849	-	-	3/29/63/63	0/2/2/2
17	BCR	N	853	-	-	0/29/63/63	0/2/2/2
14	CLA	b	814	4	1/1/15/20	13/37/115/115	-
18	LHG	v	102	-	-	28/47/47/53	-
14	CLA	B	813	4	1/1/12/20	10/24/102/115	-
14	CLA	N	842	4	1/1/15/20	13/37/115/115	-
14	CLA	G	809	2	1/1/11/20	4/13/91/115	-
17	BCR	G	847	-	-	2/29/63/63	0/2/2/2
14	CLA	A	814	2	1/1/11/20	5/13/91/115	-
14	CLA	A	826	2	1/1/15/20	11/37/115/115	-
17	BCR	n	846	-	-	3/29/63/63	0/2/2/2
17	BCR	n	843	-	-	6/29/63/63	0/2/2/2
14	CLA	B	832	4	1/1/14/20	14/31/109/115	-
14	CLA	N	810	4	1/1/15/20	12/37/115/115	-
14	CLA	T	102	9	1/1/8/20	0/2/76/115	-
14	CLA	b	811	4	1/1/14/20	15/31/109/115	-
14	CLA	B	836	-	1/1/11/20	9/13/91/115	-
17	BCR	k	102	-	-	0/29/63/63	0/2/2/2
14	CLA	G	823	2	1/1/11/20	8/13/91/115	-
14	CLA	A	811	2	1/1/13/20	16/30/108/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	n	824	4	1/1/15/20	9/37/115/115	-
17	BCR	g	847	-	-	4/29/63/63	0/2/2/2
14	CLA	L	1502	12	1/1/14/20	12/31/109/115	-
14	CLA	B	803	-	1/1/15/20	14/37/115/115	-
14	CLA	N	808	4	1/1/15/20	11/37/115/115	-
14	CLA	b	816	4	1/1/11/20	5/18/96/115	-
14	CLA	B	820	-	1/1/15/20	8/37/115/115	-
14	CLA	F	201	-	1/1/13/20	6/30/108/115	-
14	CLA	a	817	2	1/1/15/20	10/37/115/115	-
14	CLA	A	807	2	1/1/15/20	16/37/115/115	-
14	CLA	a	812	2	1/1/12/20	7/24/102/115	-
14	CLA	n	809	4	1/1/15/20	15/37/115/115	-
17	BCR	n	847	-	-	2/29/63/63	0/2/2/2
14	CLA	N	828	4	1/1/15/20	10/37/115/115	-

All (2454) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	801	CLA	C4B-NB	7.75	1.42	1.35
14	G	815	CLA	C4B-NB	7.73	1.42	1.35
14	B	804	CLA	C4B-NB	7.71	1.42	1.35
14	b	833	CLA	C4B-NB	7.70	1.42	1.35
14	g	805	CLA	C4B-NB	7.67	1.42	1.35
14	A	805	CLA	C4B-NB	7.67	1.42	1.35
14	A	836	CLA	C4B-NB	7.66	1.42	1.35
14	b	802	CLA	C4B-NB	7.66	1.42	1.35
14	A	820	CLA	C4B-NB	7.66	1.42	1.35
14	B	850	CLA	C4B-NB	7.65	1.42	1.35
14	N	821	CLA	C4B-NB	7.65	1.42	1.35
14	n	832	CLA	C4B-NB	7.64	1.42	1.35
14	A	806	CLA	C4B-NB	7.63	1.42	1.35
14	N	837	CLA	C4B-NB	7.61	1.42	1.35
14	g	819	CLA	C4B-NB	7.61	1.42	1.35
14	a	837	CLA	C4B-NB	7.60	1.42	1.35
14	g	810	CLA	C4B-NB	7.60	1.42	1.35
14	A	812	CLA	C4B-NB	7.60	1.42	1.35
14	b	823	CLA	C4B-NB	7.60	1.42	1.35
14	N	851	CLA	C4B-NB	7.59	1.42	1.35
14	B	839	CLA	C4B-NB	7.59	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	824	CLA	C4B-NB	7.59	1.42	1.35
14	g	854	CLA	C4B-NB	7.59	1.42	1.35
14	K	101	CLA	C4B-NB	7.59	1.42	1.35
14	G	806	CLA	C4B-NB	7.58	1.42	1.35
14	n	816	CLA	C4B-NB	7.58	1.42	1.35
14	A	853	CLA	C4B-NB	7.58	1.42	1.35
14	a	853	CLA	C4B-NB	7.58	1.42	1.35
14	A	833	CLA	C4B-NB	7.57	1.42	1.35
14	h	1701	CLA	C4B-NB	7.57	1.42	1.35
14	B	813	CLA	C4B-NB	7.57	1.42	1.35
14	b	812	CLA	C4B-NB	7.57	1.42	1.35
14	n	834	CLA	C4B-NB	7.56	1.42	1.35
14	N	801	CLA	C4B-NB	7.56	1.42	1.35
15	a	841	PQN	C3-C2	7.56	1.49	1.35
14	N	840	CLA	C4B-NB	7.56	1.42	1.35
14	X	1701	CLA	C4B-NB	7.56	1.42	1.35
14	g	809	CLA	C4B-NB	7.55	1.41	1.35
14	a	805	CLA	C4B-NB	7.55	1.41	1.35
14	T	101	CLA	C4B-NB	7.55	1.41	1.35
14	n	835	CLA	C4B-NB	7.55	1.41	1.35
14	s	202	CLA	C4B-NB	7.55	1.41	1.35
14	g	837	CLA	C4B-NB	7.55	1.41	1.35
14	B	841	CLA	C4B-NB	7.55	1.41	1.35
14	g	804	CLA	C4B-NB	7.54	1.41	1.35
14	n	833	CLA	C4B-NB	7.54	1.41	1.35
14	a	821	CLA	C4B-NB	7.54	1.41	1.35
14	t	102	CLA	C4B-NB	7.54	1.41	1.35
14	b	841	CLA	C4B-NB	7.54	1.41	1.35
14	g	853	CLA	C4B-NB	7.54	1.41	1.35
14	G	812	CLA	C4B-NB	7.53	1.41	1.35
14	N	836	CLA	C4B-NB	7.53	1.41	1.35
14	n	831	CLA	C4B-NB	7.53	1.41	1.35
14	g	821	CLA	C4B-NB	7.53	1.41	1.35
14	A	838	CLA	C4B-NB	7.53	1.41	1.35
14	n	838	CLA	C4B-NB	7.52	1.41	1.35
14	b	836	CLA	C4B-NB	7.52	1.41	1.35
14	b	853	CLA	C4B-NB	7.52	1.41	1.35
14	N	842	CLA	C4B-NB	7.52	1.41	1.35
14	j	101	CLA	C4B-NB	7.52	1.41	1.35
14	l	204	CLA	C4B-NB	7.51	1.41	1.35
14	f	202	CLA	C4B-NB	7.51	1.41	1.35
15	g	841	PQN	C3-C2	7.51	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	803	CLA	C4B-NB	7.51	1.41	1.35
14	a	809	CLA	C4B-NB	7.51	1.41	1.35
14	N	833	CLA	C4B-NB	7.51	1.41	1.35
14	a	854	CLA	C4B-NB	7.51	1.41	1.35
14	b	821	CLA	C4B-NB	7.51	1.41	1.35
14	n	812	CLA	C4B-NB	7.50	1.41	1.35
15	A	842	PQN	C3-C2	7.50	1.48	1.35
14	k	101	CLA	C4B-NB	7.50	1.41	1.35
14	G	835	CLA	C4B-NB	7.50	1.41	1.35
14	j	102	CLA	C4B-NB	7.50	1.41	1.35
14	B	828	CLA	C4B-NB	7.50	1.41	1.35
14	G	816	CLA	C4B-NB	7.50	1.41	1.35
14	B	811	CLA	C4B-NB	7.50	1.41	1.35
14	U	101	CLA	C4B-NB	7.50	1.41	1.35
14	A	803	CLA	C4B-NB	7.50	1.41	1.35
14	F	202	CLA	C4B-NB	7.49	1.41	1.35
14	n	810	CLA	C4B-NB	7.49	1.41	1.35
14	g	820	CLA	C4B-NB	7.49	1.41	1.35
14	b	805	CLA	C4B-NB	7.49	1.41	1.35
14	B	836	CLA	C4B-NB	7.49	1.41	1.35
14	G	801	CLA	C4B-NB	7.49	1.41	1.35
14	B	805	CLA	C4B-NB	7.49	1.41	1.35
14	a	840	CLA	C4B-NB	7.49	1.41	1.35
14	g	831	CLA	C4B-NB	7.48	1.41	1.35
14	b	839	CLA	C4B-NB	7.48	1.41	1.35
14	B	840	CLA	C4B-NB	7.48	1.41	1.35
15	N	843	PQN	C3-C2	7.48	1.48	1.35
14	g	817	CLA	C4B-NB	7.48	1.41	1.35
14	n	821	CLA	C4B-NB	7.48	1.41	1.35
14	B	832	CLA	C4B-NB	7.47	1.41	1.35
14	B	835	CLA	C4B-NB	7.47	1.41	1.35
14	J	101	CLA	C4B-NB	7.47	1.41	1.35
14	N	838	CLA	C4B-NB	7.47	1.41	1.35
15	b	842	PQN	C3-C2	7.47	1.48	1.35
14	G	811	CLA	C4B-NB	7.47	1.41	1.35
14	b	851	CLA	C4B-NB	7.47	1.41	1.35
14	n	806	CLA	C4B-NB	7.47	1.41	1.35
14	H	1701	CLA	C4B-NB	7.47	1.41	1.35
14	N	841	CLA	C4B-NB	7.47	1.41	1.35
14	a	817	CLA	C4B-NB	7.47	1.41	1.35
15	B	842	PQN	C3-C2	7.47	1.48	1.35
14	N	822	CLA	C4B-NB	7.47	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	U	102	CLA	C4B-NB	7.47	1.41	1.35
14	w	203	CLA	C4B-NB	7.47	1.41	1.35
14	g	839	CLA	C4B-NB	7.47	1.41	1.35
14	b	840	CLA	C4B-NB	7.47	1.41	1.35
14	a	836	CLA	C4B-NB	7.46	1.41	1.35
14	A	810	CLA	C4B-NB	7.46	1.41	1.35
14	B	803	CLA	C4B-NB	7.46	1.41	1.35
14	G	819	CLA	C4B-NB	7.46	1.41	1.35
14	n	827	CLA	C4B-NB	7.46	1.41	1.35
14	n	850	CLA	C4B-NB	7.45	1.41	1.35
14	T	102	CLA	C4B-NB	7.45	1.41	1.35
14	N	814	CLA	C4B-NB	7.45	1.41	1.35
14	A	837	CLA	C4B-NB	7.45	1.41	1.35
14	B	812	CLA	C4B-NB	7.45	1.41	1.35
14	g	808	CLA	C4B-NB	7.45	1.41	1.35
14	A	813	CLA	C4B-NB	7.45	1.41	1.35
14	n	840	CLA	C4B-NB	7.45	1.41	1.35
14	L	1502	CLA	C4B-NB	7.45	1.41	1.35
14	b	809	CLA	C4B-NB	7.45	1.41	1.35
14	g	815	CLA	C4B-NB	7.44	1.41	1.35
14	n	819	CLA	C4B-NB	7.44	1.41	1.35
14	a	812	CLA	C4B-NB	7.44	1.41	1.35
14	u	101	CLA	C4B-NB	7.44	1.41	1.35
14	a	808	CLA	C4B-NB	7.44	1.41	1.35
14	b	803	CLA	C4B-NB	7.44	1.41	1.35
15	G	841	PQN	C3-C2	7.44	1.48	1.35
14	n	823	CLA	C4B-NB	7.44	1.41	1.35
14	g	807	CLA	C4B-NB	7.44	1.41	1.35
14	n	830	CLA	C4B-NB	7.44	1.41	1.35
14	u	102	CLA	C4B-NB	7.44	1.41	1.35
14	G	838	CLA	C4B-NB	7.43	1.41	1.35
14	S	203	CLA	C4B-NB	7.43	1.41	1.35
14	g	832	CLA	C4B-NB	7.43	1.41	1.35
14	g	812	CLA	C4B-NB	7.43	1.41	1.35
14	g	818	CLA	C4B-NB	7.43	1.41	1.35
14	N	812	CLA	C4B-NB	7.43	1.41	1.35
14	n	826	CLA	C4B-NB	7.43	1.41	1.35
14	w	205	CLA	C4B-NB	7.43	1.41	1.35
14	A	832	CLA	C4B-NB	7.43	1.41	1.35
14	a	834	CLA	C4B-NB	7.43	1.41	1.35
14	x	1701	CLA	C4B-NB	7.43	1.41	1.35
14	b	831	CLA	C4B-NB	7.43	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	808	CLA	C4B-NB	7.43	1.41	1.35
14	F	201	CLA	C4B-NB	7.43	1.41	1.35
14	G	840	CLA	C4B-NB	7.42	1.41	1.35
14	A	826	CLA	C4B-NB	7.42	1.41	1.35
14	A	835	CLA	C4B-NB	7.42	1.41	1.35
14	n	803	CLA	C4B-NB	7.42	1.41	1.35
14	G	833	CLA	C4B-NB	7.42	1.41	1.35
14	A	839	CLA	C4B-NB	7.42	1.41	1.35
14	b	834	CLA	C4B-NB	7.42	1.41	1.35
14	a	815	CLA	C4B-NB	7.42	1.41	1.35
14	b	822	CLA	C4B-NB	7.42	1.41	1.35
14	b	828	CLA	C4B-NB	7.42	1.41	1.35
14	b	835	CLA	C4B-NB	7.42	1.41	1.35
14	A	811	CLA	C4B-NB	7.42	1.41	1.35
14	b	827	CLA	C4B-NB	7.42	1.41	1.35
14	b	811	CLA	C4B-NB	7.42	1.41	1.35
15	n	841	PQN	C3-C2	7.41	1.48	1.35
14	A	828	CLA	C4B-NB	7.41	1.41	1.35
14	A	857	CLA	C4B-NB	7.41	1.41	1.35
14	A	834	CLA	C4B-NB	7.41	1.41	1.35
14	a	802	CLA	C4B-NB	7.41	1.41	1.35
14	g	816	CLA	C4B-NB	7.41	1.41	1.35
14	N	806	CLA	C4B-NB	7.40	1.41	1.35
14	N	805	CLA	C4B-NB	7.40	1.41	1.35
14	A	823	CLA	C4B-NB	7.40	1.41	1.35
14	a	816	CLA	C4B-NB	7.40	1.41	1.35
14	g	840	CLA	C4B-NB	7.40	1.41	1.35
14	A	818	CLA	C4B-NB	7.40	1.41	1.35
14	G	814	CLA	C4B-NB	7.40	1.41	1.35
14	G	824	CLA	C4B-NB	7.40	1.41	1.35
14	G	839	CLA	C4B-NB	7.40	1.41	1.35
14	N	828	CLA	C4B-NB	7.40	1.41	1.35
14	N	834	CLA	C4B-NB	7.40	1.41	1.35
14	n	820	CLA	C4B-NB	7.40	1.41	1.35
14	n	815	CLA	C4B-NB	7.40	1.41	1.35
14	G	809	CLA	C4B-NB	7.40	1.41	1.35
14	s	201	CLA	C4B-NB	7.40	1.41	1.35
14	b	817	CLA	C4B-NB	7.40	1.41	1.35
14	B	817	CLA	C4B-NB	7.40	1.41	1.35
14	B	819	CLA	C4B-NB	7.39	1.41	1.35
14	J	102	CLA	C4B-NB	7.39	1.41	1.35
14	n	811	CLA	C4B-NB	7.39	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	815	CLA	C4B-NB	7.39	1.41	1.35
14	g	834	CLA	C4B-NB	7.39	1.41	1.35
14	a	810	CLA	C4B-NB	7.39	1.41	1.35
14	N	804	CLA	C4B-NB	7.39	1.41	1.35
14	G	818	CLA	C4B-NB	7.39	1.41	1.35
14	b	820	CLA	C4B-NB	7.39	1.41	1.35
14	G	829	CLA	C4B-NB	7.38	1.41	1.35
14	G	810	CLA	C4B-NB	7.38	1.41	1.35
14	g	802	CLA	C4B-NB	7.38	1.41	1.35
14	g	827	CLA	C4B-NB	7.38	1.41	1.35
14	N	835	CLA	C4B-NB	7.38	1.41	1.35
14	B	833	CLA	C4B-NB	7.38	1.41	1.35
14	N	825	CLA	C4B-NB	7.38	1.41	1.35
14	a	832	CLA	C4B-NB	7.38	1.41	1.35
14	b	819	CLA	C4B-NB	7.38	1.41	1.35
14	b	825	CLA	C4B-NB	7.38	1.41	1.35
14	B	822	CLA	C4B-NB	7.38	1.41	1.35
14	N	839	CLA	C4B-NB	7.38	1.41	1.35
14	G	828	CLA	C4B-NB	7.37	1.41	1.35
14	A	815	CLA	C4B-NB	7.37	1.41	1.35
14	G	820	CLA	C4B-NB	7.37	1.41	1.35
14	G	834	CLA	C4B-NB	7.37	1.41	1.35
14	b	832	CLA	C4B-NB	7.37	1.41	1.35
14	g	814	CLA	C4B-NB	7.37	1.41	1.35
14	B	816	CLA	C4B-NB	7.37	1.41	1.35
14	N	818	CLA	C4B-NB	7.37	1.41	1.35
14	N	824	CLA	C4B-NB	7.37	1.41	1.35
14	a	825	CLA	C4B-NB	7.37	1.41	1.35
14	A	829	CLA	C4B-NB	7.36	1.41	1.35
14	B	831	CLA	C4B-NB	7.36	1.41	1.35
14	g	811	CLA	C4B-NB	7.36	1.41	1.35
14	a	827	CLA	C4B-NB	7.36	1.41	1.35
14	a	807	CLA	C4B-NB	7.36	1.41	1.35
14	n	822	CLA	C4B-NB	7.36	1.41	1.35
14	n	802	CLA	C4B-NB	7.36	1.41	1.35
14	B	820	CLA	C4B-NB	7.36	1.41	1.35
14	G	826	CLA	C4B-NB	7.36	1.41	1.35
14	a	829	CLA	C4B-NB	7.35	1.41	1.35
14	W	203	CLA	C4B-NB	7.35	1.41	1.35
14	b	804	CLA	C4B-NB	7.35	1.41	1.35
14	g	826	CLA	C4B-NB	7.35	1.41	1.35
14	A	814	CLA	C4B-NB	7.35	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	813	CLA	C4B-NB	7.35	1.41	1.35
14	b	838	CLA	C4B-NB	7.35	1.41	1.35
14	l	203	CLA	C4B-NB	7.35	1.41	1.35
14	A	802	CLA	C4B-NB	7.35	1.41	1.35
14	g	813	CLA	C4B-NB	7.35	1.41	1.35
14	n	852	CLA	C4B-NB	7.35	1.41	1.35
14	n	818	CLA	C4B-NB	7.35	1.41	1.35
14	A	840	CLA	C4B-NB	7.35	1.41	1.35
14	B	821	CLA	C4B-NB	7.35	1.41	1.35
14	a	833	CLA	C4B-NB	7.34	1.41	1.35
14	N	813	CLA	C4B-NB	7.34	1.41	1.35
14	N	832	CLA	C4B-NB	7.34	1.41	1.35
14	L	1503	CLA	C4B-NB	7.34	1.41	1.35
14	a	826	CLA	C4B-NB	7.34	1.41	1.35
14	G	817	CLA	C4B-NB	7.34	1.41	1.35
14	n	837	CLA	C4B-NB	7.34	1.41	1.35
14	G	853	CLA	C4B-NB	7.34	1.41	1.35
14	A	804	CLA	C4B-NB	7.34	1.41	1.35
14	g	829	CLA	C4B-NB	7.34	1.41	1.35
14	a	828	CLA	C4B-NB	7.34	1.41	1.35
14	L	1501	CLA	C4B-NB	7.33	1.41	1.35
14	S	201	CLA	C4B-NB	7.33	1.41	1.35
14	A	821	CLA	C4B-NB	7.33	1.41	1.35
14	a	818	CLA	C4B-NB	7.33	1.41	1.35
14	N	829	CLA	C4B-NB	7.33	1.41	1.35
14	A	807	CLA	C4B-NB	7.33	1.41	1.35
14	b	810	CLA	C4B-NB	7.33	1.41	1.35
14	B	824	CLA	C4B-NB	7.33	1.41	1.35
14	A	841	CLA	C4B-NB	7.33	1.41	1.35
14	g	828	CLA	C4B-NB	7.32	1.41	1.35
14	A	827	CLA	C4B-NB	7.32	1.41	1.35
14	N	816	CLA	C4B-NB	7.32	1.41	1.35
14	t	101	CLA	C4B-NB	7.32	1.41	1.35
14	A	830	CLA	C4B-NB	7.32	1.41	1.35
14	B	829	CLA	C4B-NB	7.32	1.41	1.35
14	G	832	CLA	C4B-NB	7.32	1.41	1.35
14	n	839	CLA	C4B-NB	7.32	1.41	1.35
14	a	814	CLA	C4B-NB	7.32	1.41	1.35
14	A	808	CLA	C4B-NB	7.32	1.41	1.35
14	a	831	CLA	C4B-NB	7.32	1.41	1.35
14	b	816	CLA	C4B-NB	7.32	1.41	1.35
14	n	814	CLA	C4B-NB	7.32	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	822	CLA	C4B-NB	7.32	1.41	1.35
14	G	802	CLA	C4B-NB	7.31	1.41	1.35
14	A	819	CLA	C4B-NB	7.31	1.41	1.35
14	G	827	CLA	C4B-NB	7.31	1.41	1.35
14	W	204	CLA	C4B-NB	7.31	1.41	1.35
14	B	818	CLA	C4B-NB	7.31	1.41	1.35
14	a	819	CLA	C4B-NB	7.31	1.41	1.35
14	N	811	CLA	C4B-NB	7.31	1.41	1.35
14	A	854	CLA	C4B-NB	7.31	1.41	1.35
14	N	803	CLA	C4B-NB	7.31	1.41	1.35
14	l	202	CLA	C4B-NB	7.31	1.41	1.35
14	G	813	CLA	C4B-NB	7.30	1.41	1.35
14	B	827	CLA	C4B-NB	7.30	1.41	1.35
14	b	837	CLA	C4B-NB	7.30	1.41	1.35
14	G	808	CLA	C4B-NB	7.30	1.41	1.35
14	N	826	CLA	C4B-NB	7.30	1.41	1.35
14	W	202	CLA	C4B-NB	7.30	1.41	1.35
14	B	808	CLA	C4B-NB	7.30	1.41	1.35
14	a	830	CLA	C4B-NB	7.30	1.41	1.35
14	N	817	CLA	C4B-NB	7.30	1.41	1.35
14	A	817	CLA	C4B-NB	7.30	1.41	1.35
14	N	823	CLA	C4B-NB	7.29	1.41	1.35
14	N	807	CLA	C4B-NB	7.29	1.41	1.35
14	n	824	CLA	C4B-NB	7.29	1.41	1.35
14	N	810	CLA	C4B-NB	7.28	1.41	1.35
14	b	808	CLA	C4B-NB	7.28	1.41	1.35
14	g	836	CLA	C4B-NB	7.28	1.41	1.35
14	a	820	CLA	C4B-NB	7.28	1.41	1.35
14	g	833	CLA	C4B-NB	7.28	1.41	1.35
14	B	834	CLA	C4B-NB	7.28	1.41	1.35
14	a	838	CLA	C4B-NB	7.28	1.41	1.35
14	n	829	CLA	C4B-NB	7.28	1.41	1.35
14	a	801	CLA	C4B-NB	7.28	1.41	1.35
14	a	803	CLA	C4B-NB	7.28	1.41	1.35
14	B	806	CLA	C4B-NB	7.27	1.41	1.35
14	N	820	CLA	C4B-NB	7.27	1.41	1.35
14	B	809	CLA	C4B-NB	7.27	1.41	1.35
14	B	810	CLA	C4B-NB	7.27	1.41	1.35
14	g	806	CLA	C4B-NB	7.27	1.41	1.35
14	f	201	CLA	C4B-NB	7.27	1.41	1.35
14	N	830	CLA	C4B-NB	7.26	1.41	1.35
14	n	808	CLA	C4B-NB	7.26	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	837	CLA	C4B-NB	7.26	1.41	1.35
14	a	804	CLA	C4B-NB	7.26	1.41	1.35
14	g	801	CLA	C4B-NB	7.26	1.41	1.35
14	A	816	CLA	C4B-NB	7.26	1.41	1.35
14	g	822	CLA	C4B-NB	7.26	1.41	1.35
14	n	805	CLA	C4B-NB	7.25	1.41	1.35
14	G	823	CLA	C4B-NB	7.25	1.41	1.35
14	n	828	CLA	C4B-NB	7.25	1.41	1.35
14	A	825	CLA	C4B-NB	7.25	1.41	1.35
14	A	822	CLA	C4B-NB	7.25	1.41	1.35
14	G	805	CLA	C4B-NB	7.24	1.41	1.35
14	G	831	CLA	C4B-NB	7.24	1.41	1.35
14	B	823	CLA	C4B-NB	7.24	1.41	1.35
14	b	830	CLA	C4B-NB	7.24	1.41	1.35
14	n	809	CLA	C4B-NB	7.24	1.41	1.35
14	B	838	CLA	C4B-NB	7.24	1.41	1.35
14	g	803	CLA	C4B-NB	7.24	1.41	1.35
14	G	830	CLA	C4B-NB	7.24	1.41	1.35
14	N	809	CLA	C4B-NB	7.24	1.41	1.35
14	A	809	CLA	C4B-NB	7.23	1.41	1.35
14	B	807	CLA	C4B-NB	7.23	1.41	1.35
14	b	815	CLA	C4B-NB	7.23	1.41	1.35
14	b	813	CLA	C4B-NB	7.23	1.41	1.35
14	n	807	CLA	C4B-NB	7.22	1.41	1.35
14	A	824	CLA	C4B-NB	7.22	1.41	1.35
14	G	822	CLA	C4B-NB	7.22	1.41	1.35
14	B	825	CLA	C4B-NB	7.21	1.41	1.35
14	G	821	CLA	C4B-NB	7.21	1.41	1.35
14	G	804	CLA	C4B-NB	7.21	1.41	1.35
14	A	831	CLA	C4B-NB	7.21	1.41	1.35
14	b	807	CLA	C4B-NB	7.21	1.41	1.35
14	G	825	CLA	C4B-NB	7.20	1.41	1.35
14	N	831	CLA	C4B-NB	7.20	1.41	1.35
14	a	824	CLA	C4B-NB	7.19	1.41	1.35
14	G	836	CLA	C4B-NB	7.19	1.41	1.35
14	a	835	CLA	C4B-NB	7.19	1.41	1.35
14	N	815	CLA	C4B-NB	7.19	1.41	1.35
14	w	204	CLA	C4B-NB	7.19	1.41	1.35
14	b	829	CLA	C4B-NB	7.19	1.41	1.35
14	a	823	CLA	C4B-NB	7.19	1.41	1.35
14	b	806	CLA	C4B-NB	7.19	1.41	1.35
14	B	814	CLA	C4B-NB	7.18	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	g	823	CLA	C4B-NB	7.18	1.41	1.35
14	g	838	CLA	C4B-NB	7.18	1.41	1.35
14	g	824	CLA	C4B-NB	7.18	1.41	1.35
14	b	818	CLA	C4B-NB	7.17	1.41	1.35
14	g	825	CLA	C4B-NB	7.17	1.41	1.35
14	b	814	CLA	C4B-NB	7.17	1.41	1.35
14	B	830	CLA	C4B-NB	7.17	1.41	1.35
14	a	839	CLA	C4B-NB	7.16	1.41	1.35
14	G	837	CLA	C4B-NB	7.16	1.41	1.35
14	N	819	CLA	C4B-NB	7.14	1.41	1.35
14	n	813	CLA	C4B-NB	7.14	1.41	1.35
14	B	826	CLA	C4B-NB	7.13	1.41	1.35
14	g	830	CLA	C4B-NB	7.13	1.41	1.35
14	n	817	CLA	C4B-NB	7.13	1.41	1.35
14	n	804	CLA	C4B-NB	7.13	1.41	1.35
14	g	835	CLA	C4B-NB	7.12	1.41	1.35
14	a	811	CLA	C4B-NB	7.12	1.41	1.35
14	G	807	CLA	C4B-NB	7.10	1.41	1.35
14	b	826	CLA	C4B-NB	7.06	1.41	1.35
14	N	827	CLA	C4B-NB	7.06	1.41	1.35
14	n	836	CLA	C4B-NB	7.04	1.41	1.35
14	a	806	CLA	C4B-NB	7.04	1.41	1.35
14	n	825	CLA	C4B-NB	7.02	1.41	1.35
14	a	852	CLA	C4B-NB	7.00	1.41	1.35
14	g	852	CLA	C4B-NB	6.91	1.41	1.35
14	G	852	CLA	C4B-NB	6.66	1.41	1.35
14	A	855	CLA	C4B-NB	6.65	1.41	1.35
19	A	852	CL0	C1D-ND	5.54	1.44	1.37
19	g	851	CL0	C1D-ND	5.54	1.44	1.37
19	a	851	CL0	O2D-CGD	5.50	1.46	1.33
19	G	851	CL0	C1D-ND	5.50	1.44	1.37
19	a	851	CL0	C1D-ND	5.24	1.44	1.37
19	g	851	CL0	C3B-C2B	5.12	1.47	1.40
19	a	851	CL0	C3B-C2B	5.10	1.47	1.40
19	G	851	CL0	O2D-CGD	5.05	1.45	1.33
19	A	852	CL0	C3C-C2C	5.03	1.47	1.36
19	A	852	CL0	O2D-CGD	4.99	1.45	1.33
19	G	851	CL0	C3C-C2C	4.96	1.47	1.36
19	a	851	CL0	C3C-C2C	4.94	1.47	1.36
19	g	851	CL0	O2D-CGD	4.92	1.45	1.33
19	A	852	CL0	C3B-C2B	4.90	1.47	1.40
15	N	843	PQN	C10-C5	4.90	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	B	842	PQN	C10-C5	4.89	1.48	1.40
15	G	841	PQN	C10-C5	4.88	1.48	1.40
15	A	842	PQN	C10-C5	4.85	1.48	1.40
19	g	851	CL0	C3C-C2C	4.84	1.47	1.36
15	a	841	PQN	C10-C5	4.83	1.48	1.40
19	G	851	CL0	C3B-C2B	4.83	1.47	1.40
15	g	841	PQN	C10-C5	4.81	1.48	1.40
15	n	841	PQN	C10-C5	4.78	1.48	1.40
15	b	842	PQN	C10-C5	4.78	1.48	1.40
19	a	851	CL0	CHC-C1C	4.74	1.47	1.35
20	b	801	SQD	O48-C23	4.71	1.47	1.33
20	n	801	SQD	O48-C23	4.67	1.47	1.33
20	l	201	SQD	O48-C23	4.67	1.47	1.33
19	A	852	CL0	CHC-C1C	4.67	1.46	1.35
20	h	1702	SQD	O48-C23	4.67	1.47	1.33
20	H	1702	SQD	O48-C23	4.66	1.47	1.33
20	w	202	SQD	O48-C23	4.65	1.46	1.33
20	x	1702	SQD	O48-C23	4.65	1.46	1.33
20	B	801	SQD	O48-C23	4.63	1.46	1.33
19	G	851	CL0	CHC-C1C	4.58	1.46	1.35
19	g	851	CL0	CHC-C1C	4.56	1.46	1.35
19	A	852	CL0	O2A-CGA	4.44	1.45	1.30
14	A	826	CLA	C1D-ND	4.38	1.43	1.37
19	g	851	CL0	O2A-CGA	4.23	1.45	1.33
19	a	851	CL0	O2A-CGA	4.18	1.45	1.33
19	G	851	CL0	O2A-CGA	4.15	1.45	1.33
19	a	851	CL0	CHD-C1D	4.12	1.46	1.38
19	A	852	CL0	CHD-C1D	4.00	1.46	1.38
19	g	851	CL0	CHD-C1D	3.99	1.46	1.38
19	G	851	CL0	CHD-C1D	3.99	1.46	1.38
14	j	101	CLA	C1D-ND	3.98	1.42	1.37
14	t	102	CLA	C1D-ND	3.95	1.42	1.37
14	A	838	CLA	C1D-ND	3.93	1.42	1.37
14	N	828	CLA	C1D-ND	3.92	1.42	1.37
14	g	853	CLA	C1D-ND	3.92	1.42	1.37
14	u	102	CLA	C1D-ND	3.91	1.42	1.37
14	J	101	CLA	C1D-ND	3.91	1.42	1.37
14	k	101	CLA	C1D-ND	3.91	1.42	1.37
14	g	812	CLA	C1D-ND	3.90	1.42	1.37
14	h	1701	CLA	C1D-ND	3.89	1.42	1.37
14	f	202	CLA	C1D-ND	3.89	1.42	1.37
14	a	832	CLA	C1D-ND	3.88	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	n	826	CLA	C1D-ND	3.88	1.42	1.37
14	g	805	CLA	C1D-ND	3.88	1.42	1.37
14	n	820	CLA	C1D-ND	3.88	1.42	1.37
14	G	823	CLA	C1D-ND	3.88	1.42	1.37
14	n	821	CLA	C1D-ND	3.88	1.42	1.37
14	A	820	CLA	C1D-ND	3.88	1.42	1.37
14	g	818	CLA	C1D-ND	3.88	1.42	1.37
14	A	825	CLA	C1D-ND	3.88	1.42	1.37
14	A	836	CLA	C1D-ND	3.88	1.42	1.37
14	b	827	CLA	C1D-ND	3.88	1.42	1.37
14	T	101	CLA	C1D-ND	3.88	1.42	1.37
14	n	835	CLA	C1D-ND	3.88	1.42	1.37
14	G	840	CLA	C1D-ND	3.88	1.42	1.37
14	N	823	CLA	C1D-ND	3.88	1.42	1.37
14	K	101	CLA	C1D-ND	3.87	1.42	1.37
14	A	815	CLA	C1D-ND	3.87	1.42	1.37
14	b	822	CLA	C1D-ND	3.87	1.42	1.37
14	s	202	CLA	C1D-ND	3.87	1.42	1.37
14	A	832	CLA	C1D-ND	3.87	1.42	1.37
14	a	826	CLA	C1D-ND	3.87	1.42	1.37
14	B	818	CLA	C1D-ND	3.87	1.42	1.37
14	b	823	CLA	C1D-ND	3.86	1.42	1.37
14	N	830	CLA	C1D-ND	3.86	1.42	1.37
14	G	822	CLA	C1D-ND	3.86	1.42	1.37
14	A	802	CLA	C1D-ND	3.86	1.42	1.37
14	G	811	CLA	C1D-ND	3.86	1.42	1.37
14	b	828	CLA	C1D-ND	3.86	1.42	1.37
14	b	837	CLA	C1D-ND	3.86	1.42	1.37
14	j	102	CLA	C1D-ND	3.85	1.42	1.37
14	B	810	CLA	C1D-ND	3.85	1.42	1.37
14	a	814	CLA	C1D-ND	3.85	1.42	1.37
14	S	203	CLA	C1D-ND	3.85	1.42	1.37
14	n	828	CLA	C1D-ND	3.85	1.42	1.37
14	U	102	CLA	C1D-ND	3.85	1.42	1.37
14	B	813	CLA	C1D-ND	3.84	1.42	1.37
14	u	101	CLA	C1D-ND	3.84	1.42	1.37
14	U	101	CLA	C1D-ND	3.84	1.42	1.37
14	T	102	CLA	C1D-ND	3.84	1.42	1.37
14	A	814	CLA	C1D-ND	3.84	1.42	1.37
14	A	839	CLA	C1D-ND	3.84	1.42	1.37
14	N	827	CLA	C1D-ND	3.84	1.42	1.37
14	N	813	CLA	C1D-ND	3.84	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	814	CLA	C1D-ND	3.84	1.42	1.37
14	g	811	CLA	C1D-ND	3.84	1.42	1.37
14	A	823	CLA	C1D-ND	3.84	1.42	1.37
14	B	841	CLA	C1D-ND	3.84	1.42	1.37
14	g	814	CLA	C1D-ND	3.83	1.42	1.37
14	A	801	CLA	C1D-ND	3.83	1.42	1.37
14	n	827	CLA	C1D-ND	3.83	1.42	1.37
14	a	805	CLA	C1D-ND	3.83	1.42	1.37
14	a	840	CLA	C1D-ND	3.83	1.42	1.37
14	g	834	CLA	C1D-ND	3.83	1.42	1.37
14	X	1701	CLA	C1D-ND	3.83	1.42	1.37
14	a	834	CLA	C1D-ND	3.83	1.42	1.37
14	n	815	CLA	C1D-ND	3.83	1.42	1.37
14	b	832	CLA	C1D-ND	3.83	1.42	1.37
14	G	836	CLA	C1D-ND	3.83	1.42	1.37
14	g	820	CLA	C1D-ND	3.83	1.42	1.37
14	B	827	CLA	C1D-ND	3.83	1.42	1.37
14	F	202	CLA	C1D-ND	3.83	1.42	1.37
14	A	806	CLA	C1D-ND	3.83	1.42	1.37
14	B	822	CLA	C1D-ND	3.83	1.42	1.37
14	G	815	CLA	C1D-ND	3.83	1.42	1.37
14	g	816	CLA	C1D-ND	3.83	1.42	1.37
14	B	807	CLA	C1D-ND	3.82	1.42	1.37
14	G	805	CLA	C1D-ND	3.82	1.42	1.37
14	G	818	CLA	C1D-ND	3.82	1.42	1.37
14	B	839	CLA	C1D-ND	3.82	1.42	1.37
14	G	839	CLA	C1D-ND	3.82	1.42	1.37
14	g	825	CLA	C1D-ND	3.82	1.42	1.37
14	A	830	CLA	C1D-ND	3.82	1.42	1.37
14	a	825	CLA	C1D-ND	3.82	1.42	1.37
14	n	831	CLA	C1D-ND	3.82	1.42	1.37
14	g	817	CLA	C1D-ND	3.82	1.42	1.37
14	n	823	CLA	C1D-ND	3.82	1.42	1.37
14	g	826	CLA	C1D-ND	3.82	1.42	1.37
14	n	833	CLA	C1D-ND	3.82	1.42	1.37
14	L	1501	CLA	C1D-ND	3.82	1.42	1.37
14	a	822	CLA	C1D-ND	3.82	1.42	1.37
14	A	821	CLA	C1D-ND	3.82	1.42	1.37
14	g	801	CLA	C1D-ND	3.81	1.42	1.37
14	n	812	CLA	C1D-ND	3.81	1.42	1.37
14	G	825	CLA	C1D-ND	3.81	1.42	1.37
14	n	838	CLA	C1D-ND	3.81	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	819	CLA	C1D-ND	3.81	1.42	1.37
14	N	833	CLA	C1D-ND	3.81	1.42	1.37
14	a	808	CLA	C1D-ND	3.81	1.42	1.37
14	b	853	CLA	C1D-ND	3.81	1.42	1.37
14	b	841	CLA	C1D-ND	3.81	1.42	1.37
14	G	806	CLA	C1D-ND	3.81	1.42	1.37
14	A	812	CLA	C1D-ND	3.81	1.42	1.37
14	G	835	CLA	C1D-ND	3.81	1.42	1.37
14	N	815	CLA	C1D-ND	3.81	1.42	1.37
14	n	824	CLA	C1D-ND	3.81	1.42	1.37
14	A	824	CLA	C1D-ND	3.81	1.42	1.37
14	N	817	CLA	C1D-ND	3.81	1.42	1.37
14	A	857	CLA	C1D-ND	3.81	1.42	1.37
14	F	201	CLA	C1D-ND	3.81	1.42	1.37
14	b	840	CLA	C1D-ND	3.81	1.42	1.37
14	g	807	CLA	C1D-ND	3.81	1.42	1.37
14	A	811	CLA	C1D-ND	3.81	1.42	1.37
14	b	821	CLA	C1D-ND	3.81	1.42	1.37
14	b	836	CLA	C1D-ND	3.81	1.42	1.37
14	b	839	CLA	C1D-ND	3.81	1.42	1.37
14	n	808	CLA	C1D-ND	3.81	1.42	1.37
14	w	205	CLA	C1D-ND	3.81	1.42	1.37
14	N	822	CLA	C1D-ND	3.81	1.42	1.37
14	N	842	CLA	C1D-ND	3.81	1.42	1.37
14	g	832	CLA	C1D-ND	3.81	1.42	1.37
14	a	829	CLA	C1D-ND	3.81	1.42	1.37
14	x	1701	CLA	C1D-ND	3.81	1.42	1.37
14	g	829	CLA	C1D-ND	3.81	1.42	1.37
14	g	838	CLA	C1D-ND	3.81	1.42	1.37
14	n	836	CLA	C1D-ND	3.81	1.42	1.37
14	a	854	CLA	C1D-ND	3.81	1.42	1.37
14	N	825	CLA	C1D-ND	3.80	1.42	1.37
14	n	840	CLA	C1D-ND	3.80	1.42	1.37
14	A	808	CLA	C1D-ND	3.80	1.42	1.37
14	A	816	CLA	C1D-ND	3.80	1.42	1.37
14	B	825	CLA	C1D-ND	3.80	1.42	1.37
14	A	833	CLA	C1D-ND	3.80	1.42	1.37
14	A	835	CLA	C1D-ND	3.80	1.42	1.37
14	J	102	CLA	C1D-ND	3.80	1.42	1.37
14	a	812	CLA	C1D-ND	3.80	1.42	1.37
14	G	814	CLA	C1D-ND	3.80	1.42	1.37
14	n	830	CLA	C1D-ND	3.80	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	819	CLA	C1D-ND	3.80	1.42	1.37
14	l	204	CLA	C1D-ND	3.80	1.42	1.37
14	g	837	CLA	C1D-ND	3.80	1.42	1.37
14	G	803	CLA	C1D-ND	3.80	1.42	1.37
14	g	808	CLA	C1D-ND	3.80	1.42	1.37
14	n	811	CLA	C1D-ND	3.80	1.42	1.37
14	N	840	CLA	C1D-ND	3.80	1.42	1.37
14	A	841	CLA	C1D-ND	3.80	1.42	1.37
14	B	823	CLA	C1D-ND	3.80	1.42	1.37
14	a	837	CLA	C1D-ND	3.80	1.42	1.37
14	G	821	CLA	C1D-ND	3.79	1.42	1.37
14	G	812	CLA	C1D-ND	3.79	1.42	1.37
14	B	809	CLA	C1D-ND	3.79	1.42	1.37
14	b	813	CLA	C1D-ND	3.79	1.42	1.37
14	B	820	CLA	C1D-ND	3.79	1.42	1.37
14	B	834	CLA	C1D-ND	3.79	1.42	1.37
14	G	827	CLA	C1D-ND	3.79	1.42	1.37
14	H	1701	CLA	C1D-ND	3.79	1.42	1.37
14	A	813	CLA	C1D-ND	3.79	1.42	1.37
14	G	837	CLA	C1D-ND	3.79	1.42	1.37
14	A	817	CLA	C1D-ND	3.79	1.42	1.37
14	b	819	CLA	C1D-ND	3.79	1.42	1.37
14	g	802	CLA	C1D-ND	3.79	1.42	1.37
14	N	810	CLA	C1D-ND	3.79	1.42	1.37
14	l	202	CLA	C1D-ND	3.79	1.42	1.37
14	n	834	CLA	C1D-ND	3.79	1.42	1.37
14	G	801	CLA	C1D-ND	3.79	1.42	1.37
14	n	806	CLA	C1D-ND	3.79	1.42	1.37
14	n	816	CLA	C1D-ND	3.79	1.42	1.37
14	B	836	CLA	C1D-ND	3.79	1.42	1.37
14	a	801	CLA	C1D-ND	3.79	1.42	1.37
14	n	832	CLA	C1D-ND	3.79	1.42	1.37
14	G	832	CLA	C1D-ND	3.79	1.42	1.37
14	t	101	CLA	C1D-ND	3.78	1.42	1.37
14	A	810	CLA	C1D-ND	3.78	1.42	1.37
14	G	819	CLA	C1D-ND	3.78	1.42	1.37
14	a	811	CLA	C1D-ND	3.78	1.42	1.37
14	N	824	CLA	C1D-ND	3.78	1.42	1.37
14	w	203	CLA	C1D-ND	3.78	1.42	1.37
14	a	810	CLA	C1D-ND	3.78	1.42	1.37
14	a	816	CLA	C1D-ND	3.78	1.42	1.37
14	b	816	CLA	C1D-ND	3.78	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	802	CLA	C1D-ND	3.78	1.42	1.37
14	b	808	CLA	C1D-ND	3.78	1.42	1.37
14	a	835	CLA	C1D-ND	3.78	1.42	1.37
14	A	837	CLA	C1D-ND	3.78	1.42	1.37
14	n	814	CLA	C1D-ND	3.78	1.42	1.37
14	N	811	CLA	C1D-ND	3.78	1.42	1.37
14	g	835	CLA	C1D-ND	3.78	1.42	1.37
14	n	822	CLA	C1D-ND	3.78	1.42	1.37
14	B	837	CLA	C1D-ND	3.78	1.42	1.37
14	b	807	CLA	C1D-ND	3.78	1.42	1.37
14	N	819	CLA	C1D-ND	3.78	1.42	1.37
14	b	817	CLA	C1D-ND	3.78	1.42	1.37
14	B	812	CLA	C1D-ND	3.78	1.42	1.37
14	a	809	CLA	C1D-ND	3.78	1.42	1.37
14	b	811	CLA	C1D-ND	3.78	1.42	1.37
14	N	836	CLA	C1D-ND	3.77	1.42	1.37
14	b	831	CLA	C1D-ND	3.77	1.42	1.37
14	n	825	CLA	C1D-ND	3.77	1.42	1.37
14	a	819	CLA	C1D-ND	3.77	1.42	1.37
14	b	824	CLA	C1D-ND	3.77	1.42	1.37
14	G	810	CLA	C1D-ND	3.77	1.42	1.37
14	A	807	CLA	C1D-ND	3.77	1.42	1.37
14	n	813	CLA	C1D-ND	3.77	1.42	1.37
14	B	826	CLA	C1D-ND	3.77	1.42	1.37
14	L	1503	CLA	C1D-ND	3.77	1.42	1.37
14	a	813	CLA	C1D-ND	3.77	1.42	1.37
14	g	821	CLA	C1D-ND	3.77	1.42	1.37
14	G	813	CLA	C1D-ND	3.77	1.42	1.37
14	b	825	CLA	C1D-ND	3.77	1.42	1.37
14	G	838	CLA	C1D-ND	3.77	1.42	1.37
14	N	829	CLA	C1D-ND	3.77	1.42	1.37
14	B	805	CLA	C1D-ND	3.77	1.42	1.37
14	a	821	CLA	C1D-ND	3.76	1.42	1.37
14	B	850	CLA	C1D-ND	3.76	1.42	1.37
14	a	828	CLA	C1D-ND	3.76	1.42	1.37
14	a	803	CLA	C1D-ND	3.76	1.42	1.37
14	G	817	CLA	C1D-ND	3.76	1.42	1.37
14	b	829	CLA	C1D-ND	3.76	1.42	1.37
14	a	802	CLA	C1D-ND	3.76	1.42	1.37
14	a	817	CLA	C1D-ND	3.76	1.42	1.37
14	a	853	CLA	C1D-ND	3.76	1.42	1.37
14	g	815	CLA	C1D-ND	3.76	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	g	831	CLA	C1D-ND	3.76	1.42	1.37
14	n	818	CLA	C1D-ND	3.76	1.42	1.37
14	W	204	CLA	C1D-ND	3.76	1.42	1.37
14	s	201	CLA	C1D-ND	3.76	1.42	1.37
14	n	810	CLA	C1D-ND	3.76	1.42	1.37
14	n	819	CLA	C1D-ND	3.76	1.42	1.37
14	G	830	CLA	C1D-ND	3.76	1.42	1.37
14	a	836	CLA	C1D-ND	3.76	1.42	1.37
14	b	833	CLA	C1D-ND	3.76	1.42	1.37
14	N	837	CLA	C1D-ND	3.75	1.42	1.37
14	G	833	CLA	C1D-ND	3.75	1.42	1.37
14	g	813	CLA	C1D-ND	3.75	1.42	1.37
14	A	822	CLA	C1D-ND	3.75	1.42	1.37
14	A	831	CLA	C1D-ND	3.75	1.42	1.37
14	a	839	CLA	C1D-ND	3.75	1.42	1.37
14	N	851	CLA	C1D-ND	3.75	1.42	1.37
14	A	805	CLA	C1D-ND	3.75	1.42	1.37
14	B	840	CLA	C1D-ND	3.75	1.42	1.37
14	b	806	CLA	C1D-ND	3.75	1.42	1.37
14	A	829	CLA	C1D-ND	3.75	1.42	1.37
14	S	201	CLA	C1D-ND	3.75	1.42	1.37
14	a	815	CLA	C1D-ND	3.75	1.42	1.37
14	a	820	CLA	C1D-ND	3.75	1.42	1.37
14	G	809	CLA	C1D-ND	3.75	1.42	1.37
14	g	806	CLA	C1D-ND	3.75	1.42	1.37
14	g	822	CLA	C1D-ND	3.75	1.42	1.37
14	B	831	CLA	C1D-ND	3.75	1.42	1.37
14	b	815	CLA	C1D-ND	3.75	1.42	1.37
14	N	816	CLA	C1D-ND	3.75	1.42	1.37
14	A	827	CLA	C1D-ND	3.75	1.42	1.37
14	B	833	CLA	C1D-ND	3.75	1.42	1.37
14	g	823	CLA	C1D-ND	3.75	1.42	1.37
14	A	854	CLA	C1D-ND	3.75	1.42	1.37
14	A	818	CLA	C1D-ND	3.74	1.42	1.37
14	a	824	CLA	C1D-ND	3.74	1.42	1.37
14	b	814	CLA	C1D-ND	3.74	1.42	1.37
14	b	835	CLA	C1D-ND	3.74	1.42	1.37
14	g	840	CLA	C1D-ND	3.74	1.42	1.37
14	g	824	CLA	C1D-ND	3.74	1.42	1.37
14	A	828	CLA	C1D-ND	3.74	1.42	1.37
14	W	202	CLA	C1D-ND	3.74	1.42	1.37
14	a	831	CLA	C1D-ND	3.74	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	821	CLA	C1D-ND	3.74	1.42	1.37
14	n	839	CLA	C1D-ND	3.74	1.42	1.37
14	B	808	CLA	C1D-ND	3.74	1.42	1.37
14	G	834	CLA	C1D-ND	3.74	1.42	1.37
14	N	838	CLA	C1D-ND	3.74	1.42	1.37
14	G	820	CLA	C1D-ND	3.74	1.42	1.37
14	g	828	CLA	C1D-ND	3.74	1.42	1.37
14	A	809	CLA	C1D-ND	3.74	1.42	1.37
14	b	818	CLA	C1D-ND	3.74	1.42	1.37
14	A	803	CLA	C1D-ND	3.73	1.42	1.37
14	B	817	CLA	C1D-ND	3.73	1.42	1.37
14	b	851	CLA	C1D-ND	3.73	1.42	1.37
14	N	809	CLA	C1D-ND	3.73	1.42	1.37
14	N	818	CLA	C1D-ND	3.73	1.42	1.37
14	g	810	CLA	C1D-ND	3.73	1.42	1.37
14	b	809	CLA	C1D-ND	3.73	1.42	1.37
14	b	834	CLA	C1D-ND	3.73	1.42	1.37
14	G	807	CLA	C1D-ND	3.73	1.42	1.37
14	g	804	CLA	C1D-ND	3.73	1.42	1.37
14	B	816	CLA	C1D-ND	3.73	1.42	1.37
14	n	837	CLA	C1D-ND	3.73	1.42	1.37
14	B	835	CLA	C1D-ND	3.72	1.42	1.37
14	B	806	CLA	C1D-ND	3.72	1.42	1.37
14	N	841	CLA	C1D-ND	3.72	1.42	1.37
14	A	804	CLA	C1D-ND	3.72	1.42	1.37
14	a	823	CLA	C1D-ND	3.72	1.42	1.37
14	n	805	CLA	C1D-ND	3.72	1.42	1.37
14	a	806	CLA	C1D-ND	3.72	1.42	1.37
14	g	833	CLA	C1D-ND	3.72	1.42	1.37
14	G	804	CLA	C1D-ND	3.72	1.42	1.37
14	B	804	CLA	C1D-ND	3.72	1.42	1.37
14	b	820	CLA	C1D-ND	3.72	1.42	1.37
14	g	836	CLA	C1D-ND	3.71	1.42	1.37
14	B	815	CLA	C1D-ND	3.71	1.42	1.37
14	N	808	CLA	C1D-ND	3.71	1.42	1.37
14	g	819	CLA	C1D-ND	3.71	1.42	1.37
14	g	830	CLA	C1D-ND	3.71	1.42	1.37
14	B	829	CLA	C1D-ND	3.71	1.42	1.37
14	n	850	CLA	C1D-ND	3.71	1.42	1.37
14	a	827	CLA	C1D-ND	3.71	1.42	1.37
14	N	812	CLA	C1D-ND	3.71	1.42	1.37
14	B	838	CLA	C1D-ND	3.71	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	833	CLA	C1D-ND	3.71	1.42	1.37
14	G	808	CLA	C1D-ND	3.71	1.42	1.37
14	n	852	CLA	C1D-ND	3.71	1.42	1.37
14	b	810	CLA	C1D-ND	3.71	1.42	1.37
14	g	809	CLA	C1D-ND	3.71	1.42	1.37
14	B	821	CLA	C1D-ND	3.71	1.42	1.37
14	b	838	CLA	C1D-ND	3.71	1.42	1.37
14	N	831	CLA	C1D-ND	3.71	1.42	1.37
14	B	824	CLA	C1D-ND	3.70	1.42	1.37
14	B	814	CLA	C1D-ND	3.70	1.42	1.37
14	f	201	CLA	C1D-ND	3.70	1.42	1.37
14	B	828	CLA	C1D-ND	3.70	1.42	1.37
14	G	831	CLA	C1D-ND	3.70	1.42	1.37
14	a	830	CLA	C1D-ND	3.70	1.42	1.37
14	N	807	CLA	C1D-ND	3.70	1.42	1.37
14	N	801	CLA	C1D-ND	3.70	1.42	1.37
14	n	817	CLA	C1D-ND	3.70	1.42	1.37
14	b	804	CLA	C1D-ND	3.70	1.42	1.37
14	G	802	CLA	C1D-ND	3.69	1.42	1.37
14	g	854	CLA	C1D-ND	3.69	1.42	1.37
14	b	826	CLA	C1D-ND	3.69	1.42	1.37
14	N	835	CLA	C1D-ND	3.69	1.42	1.37
14	a	804	CLA	C1D-ND	3.69	1.42	1.37
14	N	820	CLA	C1D-ND	3.69	1.42	1.37
14	B	811	CLA	C1D-ND	3.69	1.42	1.37
14	B	832	CLA	C1D-ND	3.69	1.42	1.37
14	g	827	CLA	C1D-ND	3.69	1.42	1.37
14	n	809	CLA	C1D-ND	3.69	1.42	1.37
14	b	812	CLA	C1D-ND	3.68	1.42	1.37
14	N	806	CLA	C1D-ND	3.68	1.42	1.37
14	G	816	CLA	C1D-ND	3.68	1.42	1.37
19	g	851	CL0	OBD-CAD	3.68	1.28	1.22
14	n	807	CLA	C1D-ND	3.68	1.42	1.37
14	g	803	CLA	C1D-ND	3.68	1.42	1.37
14	N	839	CLA	C1D-ND	3.67	1.42	1.37
14	a	807	CLA	C1D-ND	3.67	1.42	1.37
14	g	839	CLA	C1D-ND	3.67	1.42	1.37
14	G	853	CLA	C1D-ND	3.67	1.42	1.37
14	G	828	CLA	C1D-ND	3.67	1.42	1.37
14	N	832	CLA	C1D-ND	3.67	1.42	1.37
14	n	804	CLA	C1D-ND	3.66	1.42	1.37
14	G	826	CLA	C1D-ND	3.66	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	826	CLA	C1D-ND	3.65	1.42	1.37
14	A	834	CLA	C1D-ND	3.65	1.42	1.37
14	n	803	CLA	C1D-ND	3.65	1.42	1.37
14	G	829	CLA	C1D-ND	3.64	1.42	1.37
19	G	851	CL0	OBD-CAD	3.64	1.28	1.22
14	a	838	CLA	C1D-ND	3.64	1.42	1.37
14	N	804	CLA	C1D-ND	3.63	1.42	1.37
14	l	203	CLA	C1D-ND	3.63	1.42	1.37
14	n	829	CLA	C1D-ND	3.62	1.42	1.37
14	B	830	CLA	C1D-ND	3.62	1.42	1.37
19	A	852	CL0	OBD-CAD	3.61	1.28	1.22
14	a	818	CLA	C1D-ND	3.61	1.42	1.37
14	L	1502	CLA	C1D-ND	3.60	1.42	1.37
14	B	803	CLA	C1D-ND	3.60	1.42	1.37
14	b	803	CLA	C1D-ND	3.59	1.42	1.37
14	b	830	CLA	C1D-ND	3.59	1.42	1.37
14	A	853	CLA	C1D-ND	3.58	1.42	1.37
19	a	851	CL0	OBD-CAD	3.58	1.28	1.22
14	A	840	CLA	C1D-ND	3.58	1.42	1.37
19	a	851	CL0	C3D-C2D	3.56	1.48	1.39
14	W	203	CLA	C1D-ND	3.56	1.42	1.37
19	g	851	CL0	CHD-C4C	3.56	1.47	1.39
14	b	805	CLA	C1D-ND	3.55	1.42	1.37
19	A	852	CL0	C3D-C2D	3.54	1.48	1.39
14	G	824	CLA	C1D-ND	3.53	1.42	1.37
14	n	802	CLA	C1D-ND	3.53	1.42	1.37
14	N	803	CLA	C1D-ND	3.52	1.42	1.37
20	w	202	SQD	O47-C45	-3.52	1.37	1.46
20	h	1702	SQD	O47-C45	-3.52	1.37	1.46
20	n	801	SQD	O47-C45	-3.51	1.37	1.46
14	N	805	CLA	C1D-ND	3.50	1.42	1.37
19	a	851	CL0	CHD-C4C	3.50	1.47	1.39
19	G	851	CL0	C3D-C2D	3.50	1.48	1.39
19	g	851	CL0	C3D-C2D	3.49	1.48	1.39
20	B	801	SQD	O47-C45	-3.48	1.37	1.46
20	l	201	SQD	O47-C45	-3.48	1.37	1.46
20	b	801	SQD	O47-C45	-3.46	1.37	1.46
20	H	1702	SQD	O47-C45	-3.46	1.37	1.46
14	w	204	CLA	C1D-ND	3.46	1.42	1.37
20	x	1702	SQD	O47-C45	-3.46	1.37	1.46
19	G	851	CL0	CHD-C4C	3.45	1.47	1.39
19	A	852	CL0	CHD-C4C	3.42	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	805	CLA	CHC-C1C	3.42	1.43	1.35
14	G	852	CLA	C1D-ND	3.39	1.42	1.37
14	a	852	CLA	C1D-ND	3.37	1.41	1.37
14	A	855	CLA	C4D-ND	-3.37	1.33	1.37
20	h	1702	SQD	O5-C1	3.36	1.50	1.41
20	w	202	SQD	O5-C1	3.35	1.50	1.41
20	b	801	SQD	O5-C1	3.35	1.50	1.41
14	N	834	CLA	C1D-ND	3.34	1.41	1.37
20	l	201	SQD	O5-C1	3.33	1.50	1.41
20	x	1702	SQD	O5-C1	3.32	1.50	1.41
20	w	202	SQD	O47-C7	3.32	1.43	1.34
14	A	855	CLA	C1D-ND	3.32	1.41	1.37
14	n	804	CLA	CHC-C1C	3.30	1.43	1.35
20	n	801	SQD	O5-C1	3.29	1.50	1.41
20	b	801	SQD	O47-C7	3.29	1.43	1.34
20	H	1702	SQD	O47-C7	3.29	1.43	1.34
14	N	805	CLA	CHC-C1C	3.29	1.43	1.35
14	N	803	CLA	CHC-C1C	3.28	1.43	1.35
20	n	801	SQD	O47-C7	3.27	1.43	1.34
20	B	801	SQD	O5-C1	3.27	1.50	1.41
14	B	803	CLA	CHC-C1C	3.26	1.43	1.35
14	B	837	CLA	CHC-C1C	3.26	1.43	1.35
20	l	201	SQD	O47-C7	3.26	1.43	1.34
14	B	820	CLA	CHC-C1C	3.26	1.43	1.35
14	g	852	CLA	C4D-ND	-3.25	1.33	1.37
20	x	1702	SQD	O47-C7	3.24	1.43	1.34
14	B	805	CLA	CHC-C1C	3.24	1.43	1.35
14	G	852	CLA	C4D-ND	-3.23	1.33	1.37
14	b	820	CLA	CHC-C1C	3.23	1.43	1.35
20	H	1702	SQD	O5-C1	3.23	1.50	1.41
14	G	803	CLA	CHC-C1C	3.22	1.43	1.35
14	W	203	CLA	CHC-C1C	3.22	1.43	1.35
14	a	852	CLA	C4D-ND	-3.22	1.33	1.37
14	b	824	CLA	CHC-C1C	3.22	1.43	1.35
14	a	802	CLA	CHC-C1C	3.22	1.43	1.35
14	n	852	CLA	CHC-C1C	3.22	1.43	1.35
14	B	815	CLA	CHC-C1C	3.21	1.43	1.35
14	A	826	CLA	CHC-C1C	3.21	1.43	1.35
14	A	826	CLA	C4D-ND	-3.21	1.33	1.37
14	G	826	CLA	CHC-C1C	3.21	1.43	1.35
14	N	827	CLA	CHC-C1C	3.21	1.43	1.35
14	g	802	CLA	CHC-C1C	3.21	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	g	819	CLA	CHC-C1C	3.21	1.43	1.35
14	A	803	CLA	CHC-C1C	3.20	1.43	1.35
14	N	806	CLA	CHC-C1C	3.20	1.43	1.35
14	b	853	CLA	CHC-C1C	3.20	1.43	1.35
14	n	832	CLA	CHC-C1C	3.19	1.43	1.35
14	n	802	CLA	CHC-C1C	3.19	1.43	1.35
14	b	834	CLA	CHC-C1C	3.19	1.43	1.35
14	N	825	CLA	CHC-C1C	3.19	1.43	1.35
14	A	853	CLA	CHC-C1C	3.19	1.43	1.35
14	N	807	CLA	CHC-C1C	3.19	1.43	1.35
14	N	838	CLA	CHC-C1C	3.19	1.43	1.35
14	N	851	CLA	CHC-C1C	3.19	1.43	1.35
20	B	801	SQD	O47-C7	3.19	1.43	1.34
14	A	813	CLA	CHC-C1C	3.19	1.43	1.35
14	a	828	CLA	CHC-C1C	3.19	1.43	1.35
14	a	854	CLA	CHC-C1C	3.19	1.43	1.35
14	G	820	CLA	CHC-C1C	3.19	1.43	1.35
14	A	831	CLA	CHC-C1C	3.19	1.43	1.35
14	N	841	CLA	CHC-C1C	3.18	1.43	1.35
14	g	825	CLA	CHC-C1C	3.18	1.43	1.35
14	a	806	CLA	CHC-C1C	3.18	1.43	1.35
14	g	803	CLA	CHC-C1C	3.18	1.43	1.35
14	a	819	CLA	CHC-C1C	3.18	1.43	1.35
14	G	817	CLA	CHC-C1C	3.18	1.43	1.35
14	B	840	CLA	CHC-C1C	3.18	1.43	1.35
14	a	853	CLA	CHC-C1C	3.18	1.43	1.35
14	b	815	CLA	CHC-C1C	3.18	1.43	1.35
14	N	833	CLA	CHC-C1C	3.18	1.43	1.35
20	h	1702	SQD	O47-C7	3.18	1.43	1.34
14	N	821	CLA	CHC-C1C	3.18	1.43	1.35
14	J	102	CLA	CHC-C1C	3.18	1.43	1.35
14	a	804	CLA	CHC-C1C	3.18	1.43	1.35
14	b	825	CLA	CHC-C1C	3.18	1.43	1.35
14	n	822	CLA	CHC-C1C	3.18	1.43	1.35
14	a	803	CLA	CHC-C1C	3.18	1.43	1.35
14	a	825	CLA	CHC-C1C	3.18	1.43	1.35
14	N	804	CLA	CHC-C1C	3.18	1.43	1.35
14	g	804	CLA	CHC-C1C	3.18	1.43	1.35
14	A	807	CLA	CHC-C1C	3.17	1.43	1.35
14	b	832	CLA	CHC-C1C	3.17	1.43	1.35
14	b	803	CLA	CHC-C1C	3.17	1.43	1.35
14	l	203	CLA	CHC-C1C	3.17	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	836	CLA	CHC-C1C	3.17	1.43	1.35
14	G	811	CLA	CHC-C1C	3.17	1.43	1.35
14	n	814	CLA	CHC-C1C	3.17	1.43	1.35
14	n	833	CLA	CHC-C1C	3.17	1.43	1.35
14	b	823	CLA	CHC-C1C	3.17	1.43	1.35
14	n	829	CLA	CHC-C1C	3.17	1.43	1.35
14	N	816	CLA	CHC-C1C	3.17	1.43	1.35
14	n	815	CLA	CHC-C1C	3.17	1.43	1.35
14	n	834	CLA	CHC-C1C	3.17	1.43	1.35
14	A	818	CLA	CHC-C1C	3.17	1.43	1.35
14	N	818	CLA	CHC-C1C	3.17	1.43	1.35
14	B	827	CLA	CHC-C1C	3.16	1.43	1.35
14	n	823	CLA	CHC-C1C	3.16	1.43	1.35
14	g	813	CLA	CHC-C1C	3.16	1.43	1.35
14	w	204	CLA	CHC-C1C	3.16	1.43	1.35
14	H	1701	CLA	CHC-C1C	3.16	1.43	1.35
14	T	102	CLA	CHC-C1C	3.16	1.43	1.35
14	A	820	CLA	CHC-C1C	3.16	1.43	1.35
14	B	824	CLA	CHC-C1C	3.16	1.43	1.35
14	B	807	CLA	CHC-C1C	3.16	1.43	1.35
14	a	809	CLA	CHC-C1C	3.16	1.43	1.35
14	G	810	CLA	CHC-C1C	3.16	1.43	1.35
14	b	826	CLA	CHC-C1C	3.16	1.43	1.35
14	F	201	CLA	CHC-C1C	3.16	1.43	1.35
14	G	825	CLA	CHC-C1C	3.16	1.43	1.35
14	B	826	CLA	CHC-C1C	3.16	1.43	1.35
14	j	102	CLA	CHC-C1C	3.16	1.43	1.35
14	n	837	CLA	CHC-C1C	3.15	1.43	1.35
14	B	823	CLA	CHC-C1C	3.15	1.43	1.35
14	A	836	CLA	C4D-ND	-3.15	1.33	1.37
14	G	807	CLA	CHC-C1C	3.15	1.43	1.35
14	b	822	CLA	CHC-C1C	3.15	1.43	1.35
14	G	821	CLA	CHC-C1C	3.15	1.43	1.35
14	n	819	CLA	CHC-C1C	3.15	1.43	1.35
14	w	205	CLA	CHC-C1C	3.15	1.43	1.35
14	A	854	CLA	CHC-C1C	3.15	1.43	1.35
14	g	826	CLA	CHC-C1C	3.15	1.43	1.35
14	g	833	CLA	CHC-C1C	3.15	1.43	1.35
14	b	816	CLA	CHC-C1C	3.15	1.43	1.35
14	n	831	CLA	CHC-C1C	3.15	1.43	1.35
14	N	819	CLA	CHC-C1C	3.15	1.43	1.35
14	n	824	CLA	CHC-C1C	3.15	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	t	101	CLA	CHC-C1C	3.15	1.43	1.35
14	j	101	CLA	CHC-C1C	3.15	1.43	1.35
14	L	1502	CLA	CHC-C1C	3.15	1.43	1.35
14	a	820	CLA	CHC-C1C	3.15	1.43	1.35
14	b	817	CLA	CHC-C1C	3.15	1.43	1.35
14	b	833	CLA	CHC-C1C	3.15	1.43	1.35
14	B	825	CLA	CHC-C1C	3.15	1.43	1.35
14	b	807	CLA	CHC-C1C	3.15	1.43	1.35
14	B	850	CLA	C4D-ND	-3.15	1.33	1.37
14	g	836	CLA	CHC-C1C	3.15	1.43	1.35
14	n	803	CLA	CHC-C1C	3.15	1.43	1.35
14	n	821	CLA	CHC-C1C	3.15	1.43	1.35
14	B	834	CLA	CHC-C1C	3.15	1.43	1.35
14	G	814	CLA	CHC-C1C	3.15	1.43	1.35
14	S	201	CLA	CHC-C1C	3.15	1.43	1.35
14	n	835	CLA	CHC-C1C	3.15	1.43	1.35
14	b	836	CLA	CHC-C1C	3.14	1.43	1.35
14	G	809	CLA	CHC-C1C	3.14	1.43	1.35
14	a	834	CLA	CHC-C1C	3.14	1.43	1.35
14	g	840	CLA	CHC-C1C	3.14	1.43	1.35
14	A	806	CLA	CHC-C1C	3.14	1.43	1.35
14	G	806	CLA	CHC-C1C	3.14	1.43	1.35
14	N	837	CLA	CHC-C1C	3.14	1.43	1.35
14	B	818	CLA	CHC-C1C	3.14	1.43	1.35
14	B	821	CLA	CHC-C1C	3.14	1.43	1.35
14	B	830	CLA	CHC-C1C	3.14	1.43	1.35
14	u	101	CLA	CHC-C1C	3.14	1.43	1.35
14	A	857	CLA	CHC-C1C	3.14	1.43	1.35
14	G	804	CLA	CHC-C1C	3.14	1.43	1.35
14	B	806	CLA	CHC-C1C	3.14	1.43	1.35
14	A	841	CLA	CHC-C1C	3.14	1.43	1.35
14	a	810	CLA	CHC-C1C	3.14	1.43	1.35
14	g	806	CLA	CHC-C1C	3.14	1.43	1.35
14	b	837	CLA	CHC-C1C	3.14	1.43	1.35
14	G	826	CLA	C4D-ND	-3.14	1.33	1.37
14	J	101	CLA	CHC-C1C	3.14	1.43	1.35
14	a	829	CLA	CHC-C1C	3.14	1.43	1.35
14	x	1701	CLA	CHC-C1C	3.14	1.43	1.35
14	n	806	CLA	CHC-C1C	3.14	1.43	1.35
14	n	816	CLA	CHC-C1C	3.14	1.43	1.35
14	n	836	CLA	CHC-C1C	3.14	1.43	1.35
14	n	808	CLA	CHC-C1C	3.14	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	826	CLA	CHC-C1C	3.14	1.43	1.35
14	b	821	CLA	CHC-C1C	3.14	1.43	1.35
14	g	837	CLA	CHC-C1C	3.14	1.43	1.35
14	l	204	CLA	CHC-C1C	3.14	1.43	1.35
14	s	202	CLA	CHC-C1C	3.14	1.43	1.35
14	U	101	CLA	CHC-C1C	3.13	1.43	1.35
14	U	102	CLA	CHC-C1C	3.13	1.43	1.35
14	B	839	CLA	CHC-C1C	3.13	1.43	1.35
14	N	813	CLA	CHC-C1C	3.13	1.43	1.35
14	n	811	CLA	CHC-C1C	3.13	1.43	1.35
14	a	833	CLA	CHC-C1C	3.13	1.43	1.35
14	n	805	CLA	CHC-C1C	3.13	1.43	1.35
14	A	805	CLA	CHC-C1C	3.13	1.43	1.35
14	G	813	CLA	CHC-C1C	3.13	1.43	1.35
14	g	812	CLA	CHC-C1C	3.13	1.43	1.35
14	n	838	CLA	CHC-C1C	3.13	1.43	1.35
14	g	834	CLA	CHC-C1C	3.13	1.43	1.35
14	a	836	CLA	CHC-C1C	3.13	1.43	1.35
14	N	832	CLA	CHC-C1C	3.13	1.43	1.35
14	N	835	CLA	CHC-C1C	3.13	1.43	1.35
14	W	204	CLA	CHC-C1C	3.13	1.43	1.35
14	A	810	CLA	CHC-C1C	3.13	1.43	1.35
14	w	203	CLA	CHC-C1C	3.13	1.43	1.35
14	G	828	CLA	CHC-C1C	3.13	1.43	1.35
14	A	839	CLA	CHC-C1C	3.13	1.43	1.35
14	b	827	CLA	CHC-C1C	3.13	1.43	1.35
14	b	809	CLA	CHC-C1C	3.13	1.43	1.35
14	g	852	CLA	C1D-ND	3.13	1.41	1.37
14	B	817	CLA	CHC-C1C	3.13	1.43	1.35
14	a	816	CLA	CHC-C1C	3.13	1.43	1.35
14	b	835	CLA	CHC-C1C	3.13	1.43	1.35
14	g	816	CLA	CHC-C1C	3.13	1.43	1.35
14	h	1701	CLA	CHC-C1C	3.13	1.43	1.35
14	n	825	CLA	CHC-C1C	3.13	1.43	1.35
14	t	102	CLA	CHC-C1C	3.13	1.43	1.35
14	T	101	CLA	CHC-C1C	3.13	1.43	1.35
14	A	801	CLA	CHC-C1C	3.13	1.43	1.35
14	L	1503	CLA	CHC-C1C	3.13	1.43	1.35
14	G	833	CLA	CHC-C1C	3.13	1.43	1.35
14	n	830	CLA	CHC-C1C	3.13	1.43	1.35
14	N	822	CLA	CHC-C1C	3.13	1.43	1.35
14	a	835	CLA	CHC-C1C	3.13	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	n	817	CLA	CHC-C1C	3.12	1.43	1.35
14	u	102	CLA	CHC-C1C	3.12	1.43	1.35
14	B	850	CLA	CHC-C1C	3.12	1.43	1.35
14	g	809	CLA	CHC-C1C	3.12	1.43	1.35
14	g	810	CLA	CHC-C1C	3.12	1.43	1.35
14	G	853	CLA	CHC-C1C	3.12	1.43	1.35
14	N	829	CLA	CHC-C1C	3.12	1.43	1.35
14	A	811	CLA	CHC-C1C	3.12	1.43	1.35
14	G	827	CLA	CHC-C1C	3.12	1.43	1.35
14	g	838	CLA	CHC-C1C	3.12	1.43	1.35
14	A	830	CLA	CHC-C1C	3.12	1.43	1.35
14	a	815	CLA	CHC-C1C	3.12	1.43	1.35
14	B	816	CLA	CHC-C1C	3.12	1.43	1.35
14	b	819	CLA	CHC-C1C	3.12	1.43	1.35
14	n	826	CLA	CHC-C1C	3.12	1.43	1.35
14	b	813	CLA	CHC-C1C	3.12	1.43	1.35
14	N	817	CLA	CHC-C1C	3.12	1.43	1.35
14	N	823	CLA	CHC-C1C	3.12	1.43	1.35
14	n	839	CLA	CHC-C1C	3.12	1.43	1.35
14	b	804	CLA	CHC-C1C	3.12	1.43	1.35
14	g	818	CLA	CHC-C1C	3.12	1.43	1.35
14	g	825	CLA	C4D-ND	-3.12	1.33	1.37
14	B	811	CLA	CHC-C1C	3.12	1.43	1.35
14	a	827	CLA	CHC-C1C	3.12	1.43	1.35
14	b	818	CLA	CHC-C1C	3.12	1.43	1.35
14	G	831	CLA	CHC-C1C	3.12	1.43	1.35
14	S	203	CLA	CHC-C1C	3.12	1.43	1.35
14	A	809	CLA	CHC-C1C	3.12	1.43	1.35
14	B	835	CLA	CHC-C1C	3.12	1.43	1.35
14	G	839	CLA	CHC-C1C	3.12	1.43	1.35
14	N	839	CLA	CHC-C1C	3.12	1.43	1.35
14	B	831	CLA	CHC-C1C	3.12	1.43	1.35
14	G	824	CLA	CHC-C1C	3.12	1.43	1.35
14	B	813	CLA	CHC-C1C	3.12	1.43	1.35
14	b	828	CLA	CHC-C1C	3.12	1.43	1.35
14	A	831	CLA	C4D-ND	-3.12	1.33	1.37
14	A	833	CLA	CHC-C1C	3.12	1.43	1.35
14	a	812	CLA	CHC-C1C	3.12	1.43	1.35
14	b	839	CLA	CHC-C1C	3.12	1.43	1.35
14	a	837	CLA	CHC-C1C	3.12	1.43	1.35
14	n	812	CLA	CHC-C1C	3.11	1.43	1.35
14	a	830	CLA	CHC-C1C	3.11	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	l	203	CLA	C4D-ND	-3.11	1.33	1.37
14	n	820	CLA	CHC-C1C	3.11	1.42	1.35
14	K	101	CLA	CHC-C1C	3.11	1.42	1.35
14	G	815	CLA	CHC-C1C	3.11	1.42	1.35
14	n	827	CLA	CHC-C1C	3.11	1.42	1.35
14	A	815	CLA	CHC-C1C	3.11	1.42	1.35
14	G	835	CLA	CHC-C1C	3.11	1.42	1.35
14	g	824	CLA	CHC-C1C	3.11	1.42	1.35
14	a	817	CLA	CHC-C1C	3.11	1.42	1.35
14	b	838	CLA	CHC-C1C	3.11	1.42	1.35
14	g	820	CLA	CHC-C1C	3.11	1.42	1.35
14	s	201	CLA	CHC-C1C	3.11	1.42	1.35
14	A	825	CLA	CHC-C1C	3.11	1.42	1.35
14	f	201	CLA	CHC-C1C	3.11	1.42	1.35
14	a	821	CLA	CHC-C1C	3.11	1.42	1.35
14	A	817	CLA	C4D-ND	-3.11	1.33	1.37
14	b	806	CLA	CHC-C1C	3.11	1.42	1.35
14	A	836	CLA	CHC-C1C	3.11	1.42	1.35
14	a	814	CLA	CHC-C1C	3.11	1.42	1.35
14	a	811	CLA	C4D-ND	-3.11	1.33	1.37
14	A	821	CLA	CHC-C1C	3.11	1.42	1.35
14	b	808	CLA	CHC-C1C	3.11	1.42	1.35
14	N	809	CLA	CHC-C1C	3.11	1.42	1.35
14	g	814	CLA	CHC-C1C	3.11	1.42	1.35
14	N	828	CLA	CHC-C1C	3.11	1.42	1.35
14	g	831	CLA	CHC-C1C	3.11	1.42	1.35
14	b	814	CLA	CHC-C1C	3.11	1.42	1.35
14	w	204	CLA	C4D-ND	-3.11	1.33	1.37
14	B	812	CLA	CHC-C1C	3.11	1.42	1.35
14	F	202	CLA	CHC-C1C	3.11	1.42	1.35
14	b	831	CLA	CHC-C1C	3.11	1.42	1.35
14	b	837	CLA	C4D-ND	-3.11	1.33	1.37
14	N	824	CLA	CHC-C1C	3.10	1.42	1.35
14	A	832	CLA	CHC-C1C	3.10	1.42	1.35
14	B	829	CLA	CHC-C1C	3.10	1.42	1.35
14	a	801	CLA	CHC-C1C	3.10	1.42	1.35
14	N	820	CLA	C4D-ND	-3.10	1.33	1.37
14	N	801	CLA	CHC-C1C	3.10	1.42	1.35
14	n	826	CLA	C4D-ND	-3.10	1.33	1.37
14	A	827	CLA	CHC-C1C	3.10	1.42	1.35
14	G	819	CLA	CHC-C1C	3.10	1.42	1.35
14	G	836	CLA	CHC-C1C	3.10	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	805	CLA	CHC-C1C	3.10	1.42	1.35
14	a	822	CLA	CHC-C1C	3.10	1.42	1.35
14	a	838	CLA	CHC-C1C	3.10	1.42	1.35
14	N	831	CLA	CHC-C1C	3.10	1.42	1.35
14	a	835	CLA	C4D-ND	-3.10	1.33	1.37
14	B	828	CLA	CHC-C1C	3.10	1.42	1.35
14	a	808	CLA	CHC-C1C	3.10	1.42	1.35
14	a	825	CLA	C4D-ND	-3.10	1.33	1.37
14	G	818	CLA	CHC-C1C	3.10	1.42	1.35
14	A	828	CLA	CHC-C1C	3.10	1.42	1.35
14	B	808	CLA	CHC-C1C	3.10	1.42	1.35
14	G	801	CLA	CHC-C1C	3.10	1.42	1.35
14	g	811	CLA	C4D-ND	-3.10	1.33	1.37
14	G	832	CLA	CHC-C1C	3.10	1.42	1.35
14	N	808	CLA	CHC-C1C	3.10	1.42	1.35
14	N	840	CLA	CHC-C1C	3.10	1.42	1.35
14	g	801	CLA	CHC-C1C	3.10	1.42	1.35
14	g	817	CLA	CHC-C1C	3.10	1.42	1.35
14	A	817	CLA	CHC-C1C	3.10	1.42	1.35
14	n	832	CLA	C4D-ND	-3.10	1.33	1.37
14	G	802	CLA	CHC-C1C	3.10	1.42	1.35
14	A	819	CLA	CHC-C1C	3.10	1.42	1.35
14	A	840	CLA	CHC-C1C	3.10	1.42	1.35
14	G	816	CLA	CHC-C1C	3.10	1.42	1.35
14	g	808	CLA	CHC-C1C	3.10	1.42	1.35
14	A	830	CLA	C4D-ND	-3.10	1.33	1.37
14	G	840	CLA	CHC-C1C	3.10	1.42	1.35
14	g	815	CLA	CHC-C1C	3.10	1.42	1.35
14	g	835	CLA	CHC-C1C	3.10	1.42	1.35
14	A	838	CLA	CHC-C1C	3.10	1.42	1.35
14	a	805	CLA	CHC-C1C	3.10	1.42	1.35
14	A	834	CLA	CHC-C1C	3.10	1.42	1.35
14	G	822	CLA	CHC-C1C	3.09	1.42	1.35
14	n	807	CLA	CHC-C1C	3.09	1.42	1.35
14	n	813	CLA	CHC-C1C	3.09	1.42	1.35
14	a	831	CLA	CHC-C1C	3.09	1.42	1.35
14	N	810	CLA	CHC-C1C	3.09	1.42	1.35
14	A	804	CLA	CHC-C1C	3.09	1.42	1.35
14	g	853	CLA	CHC-C1C	3.09	1.42	1.35
14	l	202	CLA	CHC-C1C	3.09	1.42	1.35
14	A	835	CLA	CHC-C1C	3.09	1.42	1.35
14	X	1701	CLA	CHC-C1C	3.09	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	820	CLA	CHC-C1C	3.09	1.42	1.35
14	B	819	CLA	CHC-C1C	3.09	1.42	1.35
14	N	809	CLA	C4D-ND	-3.09	1.33	1.37
14	B	827	CLA	C4D-ND	-3.09	1.33	1.37
14	N	826	CLA	CHC-C1C	3.09	1.42	1.35
14	b	811	CLA	CHC-C1C	3.09	1.42	1.35
14	g	829	CLA	CHC-C1C	3.09	1.42	1.35
14	A	808	CLA	CHC-C1C	3.09	1.42	1.35
14	n	828	CLA	CHC-C1C	3.09	1.42	1.35
14	g	821	CLA	CHC-C1C	3.09	1.42	1.35
14	b	829	CLA	CHC-C1C	3.08	1.42	1.35
14	b	833	CLA	C4D-ND	-3.08	1.33	1.37
14	N	814	CLA	CHC-C1C	3.08	1.42	1.35
14	a	816	CLA	C4D-ND	-3.08	1.33	1.37
14	g	832	CLA	CHC-C1C	3.08	1.42	1.35
14	g	822	CLA	CHC-C1C	3.08	1.42	1.35
14	A	814	CLA	CHC-C1C	3.08	1.42	1.35
14	g	805	CLA	CHC-C1C	3.08	1.42	1.35
14	G	834	CLA	CHC-C1C	3.08	1.42	1.35
14	g	827	CLA	CHC-C1C	3.08	1.42	1.35
14	g	824	CLA	C4D-ND	-3.08	1.33	1.37
20	n	801	SQD	C24-C23	3.08	1.59	1.50
14	B	822	CLA	CHC-C1C	3.08	1.42	1.35
14	B	829	CLA	C4D-ND	-3.08	1.33	1.37
14	B	814	CLA	CHC-C1C	3.08	1.42	1.35
14	N	815	CLA	CHC-C1C	3.08	1.42	1.35
14	b	840	CLA	CHC-C1C	3.08	1.42	1.35
14	A	822	CLA	CHC-C1C	3.08	1.42	1.35
14	b	812	CLA	CHC-C1C	3.08	1.42	1.35
14	g	852	CLA	CHC-C1C	3.08	1.42	1.35
14	g	854	CLA	CHC-C1C	3.08	1.42	1.35
14	a	839	CLA	CHC-C1C	3.08	1.42	1.35
14	N	829	CLA	C4D-ND	-3.08	1.33	1.37
14	n	836	CLA	C4D-ND	-3.08	1.33	1.37
14	B	828	CLA	C4D-ND	-3.08	1.33	1.37
14	G	830	CLA	CHC-C1C	3.08	1.42	1.35
14	b	810	CLA	CHC-C1C	3.08	1.42	1.35
14	B	832	CLA	CHC-C1C	3.08	1.42	1.35
14	g	835	CLA	C4D-ND	-3.08	1.33	1.37
20	b	801	SQD	C24-C23	3.08	1.59	1.50
14	B	838	CLA	CHC-C1C	3.08	1.42	1.35
14	k	101	CLA	CHC-C1C	3.08	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	813	CLA	CHC-C1C	3.08	1.42	1.35
14	g	823	CLA	CHC-C1C	3.08	1.42	1.35
14	A	823	CLA	CHC-C1C	3.08	1.42	1.35
14	f	202	CLA	CHC-C1C	3.08	1.42	1.35
14	N	808	CLA	C4D-ND	-3.07	1.33	1.37
14	g	829	CLA	C4D-ND	-3.07	1.33	1.37
14	B	807	CLA	C4D-ND	-3.07	1.33	1.37
14	A	816	CLA	CHC-C1C	3.07	1.42	1.35
14	g	830	CLA	CHC-C1C	3.07	1.42	1.35
14	A	837	CLA	CHC-C1C	3.07	1.42	1.35
14	A	802	CLA	CHC-C1C	3.07	1.42	1.35
14	G	837	CLA	CHC-C1C	3.07	1.42	1.35
14	N	812	CLA	CHC-C1C	3.07	1.42	1.35
14	N	811	CLA	CHC-C1C	3.07	1.42	1.35
14	a	824	CLA	CHC-C1C	3.07	1.42	1.35
14	n	810	CLA	CHC-C1C	3.07	1.42	1.35
14	b	851	CLA	CHC-C1C	3.07	1.42	1.35
14	a	840	CLA	CHC-C1C	3.07	1.42	1.35
20	h	1702	SQD	C24-C23	3.07	1.59	1.50
14	G	812	CLA	CHC-C1C	3.07	1.42	1.35
14	A	801	CLA	C4D-ND	-3.07	1.33	1.37
14	B	809	CLA	CHC-C1C	3.06	1.42	1.35
14	b	827	CLA	C4D-ND	-3.06	1.33	1.37
14	N	834	CLA	CHC-C1C	3.06	1.42	1.35
14	S	201	CLA	C4D-ND	-3.06	1.33	1.37
14	n	807	CLA	C4D-ND	-3.06	1.33	1.37
14	n	850	CLA	CHC-C1C	3.06	1.42	1.35
14	N	836	CLA	CHC-C1C	3.06	1.42	1.35
14	n	818	CLA	CHC-C1C	3.06	1.42	1.35
14	G	830	CLA	C4D-ND	-3.06	1.33	1.37
14	b	828	CLA	C4D-ND	-3.06	1.33	1.37
14	B	804	CLA	CHC-C1C	3.06	1.42	1.35
14	A	812	CLA	CHC-C1C	3.06	1.42	1.35
14	N	828	CLA	C4D-ND	-3.05	1.33	1.37
14	g	839	CLA	CHC-C1C	3.05	1.42	1.35
14	b	830	CLA	CHC-C1C	3.05	1.42	1.35
14	N	839	CLA	C4D-ND	-3.05	1.33	1.37
14	g	853	CLA	C4D-ND	-3.05	1.33	1.37
14	n	818	CLA	C4D-ND	-3.05	1.33	1.37
14	W	202	CLA	CHC-C1C	3.05	1.42	1.35
14	a	852	CLA	CHC-C1C	3.05	1.42	1.35
14	L	1502	CLA	C4D-ND	-3.05	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	832	CLA	CHC-C1C	3.05	1.42	1.35
14	b	838	CLA	C4D-ND	-3.05	1.33	1.37
14	A	829	CLA	CHC-C1C	3.05	1.42	1.35
14	G	808	CLA	CHC-C1C	3.05	1.42	1.35
14	n	809	CLA	C4D-ND	-3.05	1.33	1.37
14	N	830	CLA	CHC-C1C	3.04	1.42	1.35
14	g	807	CLA	CHC-C1C	3.04	1.42	1.35
14	N	815	CLA	C4D-ND	-3.04	1.33	1.37
14	B	818	CLA	C4D-ND	-3.04	1.33	1.37
14	B	817	CLA	C4D-ND	-3.04	1.33	1.37
14	G	852	CLA	CHC-C1C	3.04	1.42	1.35
14	a	824	CLA	C4D-ND	-3.04	1.33	1.37
14	W	203	CLA	C4D-ND	-3.04	1.33	1.37
14	N	851	CLA	C4D-ND	-3.04	1.33	1.37
14	g	811	CLA	CHC-C1C	3.04	1.42	1.35
14	N	805	CLA	C4D-ND	-3.04	1.33	1.37
14	g	830	CLA	C4D-ND	-3.04	1.33	1.37
14	n	827	CLA	C4D-ND	-3.04	1.33	1.37
14	b	807	CLA	C4D-ND	-3.04	1.33	1.37
14	G	807	CLA	C4D-ND	-3.03	1.33	1.37
14	G	817	CLA	C4D-ND	-3.03	1.33	1.37
14	A	839	CLA	C4D-ND	-3.03	1.33	1.37
14	A	824	CLA	CHC-C1C	3.03	1.42	1.35
14	g	822	CLA	C4D-ND	-3.03	1.33	1.37
14	a	807	CLA	CHC-C1C	3.03	1.42	1.35
14	n	813	CLA	C4D-ND	-3.03	1.33	1.37
14	B	838	CLA	C4D-ND	-3.03	1.33	1.37
14	b	808	CLA	C4D-ND	-3.03	1.33	1.37
14	a	819	CLA	C4D-ND	-3.03	1.33	1.37
14	a	853	CLA	C4D-ND	-3.03	1.33	1.37
14	n	837	CLA	C4D-ND	-3.03	1.33	1.37
14	G	838	CLA	CHC-C1C	3.02	1.42	1.35
14	G	823	CLA	CHC-C1C	3.02	1.42	1.35
14	L	1501	CLA	CHC-C1C	3.02	1.42	1.35
14	A	821	CLA	C4D-ND	-3.02	1.33	1.37
14	n	809	CLA	CHC-C1C	3.02	1.42	1.35
14	N	842	CLA	C4D-ND	-3.02	1.33	1.37
14	l	204	CLA	C4D-ND	-3.02	1.33	1.37
14	n	825	CLA	C4D-ND	-3.02	1.33	1.37
14	b	805	CLA	C4D-ND	-3.02	1.33	1.37
14	a	831	CLA	C4D-ND	-3.02	1.33	1.37
14	a	823	CLA	CHC-C1C	3.02	1.42	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	g	837	CLA	C4D-ND	-3.02	1.33	1.37
20	l	201	SQD	C24-C23	3.02	1.59	1.50
14	a	811	CLA	CHC-C1C	3.02	1.42	1.35
14	B	839	CLA	C4D-ND	-3.02	1.33	1.37
14	G	812	CLA	C4D-ND	-3.01	1.33	1.37
14	b	819	CLA	C4D-ND	-3.01	1.33	1.37
14	a	818	CLA	CHC-C1C	3.01	1.42	1.35
14	w	203	CLA	C4D-ND	-3.01	1.33	1.37
14	B	833	CLA	CHC-C1C	3.01	1.42	1.35
14	G	840	CLA	C4D-ND	-3.01	1.33	1.37
14	a	837	CLA	C4D-ND	-3.01	1.33	1.37
14	b	806	CLA	C4D-ND	-3.01	1.33	1.37
14	g	804	CLA	C4D-ND	-3.01	1.33	1.37
14	B	806	CLA	C4D-ND	-3.01	1.33	1.37
14	b	802	CLA	CHC-C1C	3.01	1.42	1.35
14	g	831	CLA	C4D-ND	-3.01	1.33	1.37
14	g	832	CLA	C4D-ND	-3.01	1.33	1.37
14	B	837	CLA	C4D-ND	-3.01	1.33	1.37
14	a	834	CLA	C4D-ND	-3.01	1.33	1.37
20	B	801	SQD	C24-C23	3.01	1.59	1.50
14	N	826	CLA	C4D-ND	-3.01	1.33	1.37
14	G	816	CLA	C4D-ND	-3.00	1.33	1.37
20	w	202	SQD	C24-C23	3.00	1.59	1.50
14	B	808	CLA	C4D-ND	-3.00	1.33	1.37
14	G	838	CLA	C4D-ND	-3.00	1.33	1.37
14	n	830	CLA	C4D-ND	-3.00	1.33	1.37
14	B	841	CLA	C4D-ND	-3.00	1.33	1.37
14	a	829	CLA	C4D-ND	-3.00	1.33	1.37
14	A	812	CLA	C4D-ND	-3.00	1.33	1.37
14	N	803	CLA	C4D-ND	-3.00	1.33	1.37
20	H	1702	SQD	C24-C23	3.00	1.59	1.50
14	g	836	CLA	C4D-ND	-3.00	1.33	1.37
14	n	810	CLA	C4D-ND	-3.00	1.33	1.37
14	n	839	CLA	C4D-ND	-3.00	1.33	1.37
14	N	824	CLA	C4D-ND	-3.00	1.33	1.37
14	N	840	CLA	C4D-ND	-3.00	1.33	1.37
14	A	810	CLA	C4D-ND	-3.00	1.33	1.37
14	g	828	CLA	CHC-C1C	2.99	1.42	1.35
14	B	810	CLA	CHC-C1C	2.99	1.42	1.35
14	N	833	CLA	C4D-ND	-2.99	1.33	1.37
14	n	802	CLA	C4D-ND	-2.99	1.33	1.37
14	n	817	CLA	C4D-ND	-2.99	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	841	CLA	C4D-ND	-2.99	1.33	1.37
14	a	818	CLA	C4D-ND	-2.99	1.33	1.37
14	a	836	CLA	C4D-ND	-2.99	1.33	1.37
14	B	814	CLA	C4D-ND	-2.99	1.33	1.37
14	B	824	CLA	C4D-ND	-2.99	1.33	1.37
14	a	830	CLA	C4D-ND	-2.99	1.33	1.37
14	b	814	CLA	C4D-ND	-2.99	1.33	1.37
14	N	819	CLA	C4D-ND	-2.99	1.33	1.37
14	A	815	CLA	C4D-ND	-2.99	1.33	1.37
14	G	809	CLA	C4D-ND	-2.99	1.33	1.37
14	g	816	CLA	C4D-ND	-2.99	1.33	1.37
14	G	834	CLA	C4D-ND	-2.99	1.33	1.37
14	G	825	CLA	C4D-ND	-2.98	1.33	1.37
14	N	807	CLA	C4D-ND	-2.98	1.33	1.37
14	N	838	CLA	C4D-ND	-2.98	1.33	1.37
20	x	1702	SQD	C24-C23	2.98	1.59	1.50
14	g	827	CLA	C4D-ND	-2.98	1.33	1.37
14	n	805	CLA	C4D-ND	-2.98	1.33	1.37
14	G	803	CLA	C4D-ND	-2.98	1.33	1.37
14	g	833	CLA	C4D-ND	-2.98	1.33	1.37
14	B	810	CLA	C4D-ND	-2.98	1.33	1.37
14	G	839	CLA	C4D-ND	-2.98	1.33	1.37
14	b	811	CLA	C4D-ND	-2.98	1.33	1.37
14	g	803	CLA	C4D-ND	-2.98	1.33	1.37
14	L	1503	CLA	C4D-ND	-2.98	1.33	1.37
14	a	813	CLA	C4D-ND	-2.98	1.33	1.37
14	G	801	CLA	C4D-ND	-2.98	1.33	1.37
14	A	840	CLA	C4D-ND	-2.98	1.33	1.37
14	B	833	CLA	C4D-ND	-2.98	1.33	1.37
14	n	840	CLA	C4D-ND	-2.98	1.33	1.37
14	G	835	CLA	C4D-ND	-2.98	1.33	1.37
14	G	831	CLA	C4D-ND	-2.98	1.33	1.37
14	G	837	CLA	C4D-ND	-2.98	1.33	1.37
14	a	804	CLA	C4D-ND	-2.98	1.33	1.37
14	a	823	CLA	C4D-ND	-2.98	1.33	1.37
14	G	829	CLA	C4D-ND	-2.97	1.33	1.37
14	f	202	CLA	C4D-ND	-2.97	1.33	1.37
14	G	806	CLA	C4D-ND	-2.97	1.33	1.37
14	B	821	CLA	C4D-ND	-2.97	1.33	1.37
14	A	838	CLA	C4D-ND	-2.97	1.33	1.37
14	N	806	CLA	C4D-ND	-2.97	1.33	1.37
14	s	201	CLA	C4D-ND	-2.97	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	821	CLA	C4D-ND	-2.97	1.33	1.37
14	B	820	CLA	C4D-ND	-2.97	1.33	1.37
14	a	839	CLA	C4D-ND	-2.97	1.33	1.37
14	b	841	CLA	C4D-ND	-2.97	1.33	1.37
14	X	1701	CLA	C4D-ND	-2.97	1.33	1.37
14	A	828	CLA	C4D-ND	-2.97	1.33	1.37
14	A	825	CLA	C4D-ND	-2.96	1.33	1.37
14	G	829	CLA	CHC-C1C	2.96	1.42	1.35
14	B	819	CLA	C4D-ND	-2.96	1.33	1.37
14	n	815	CLA	C4D-ND	-2.96	1.33	1.37
14	b	832	CLA	C4D-ND	-2.96	1.33	1.37
14	b	830	CLA	C4D-ND	-2.96	1.33	1.37
14	N	812	CLA	C4D-ND	-2.96	1.33	1.37
14	B	823	CLA	C4D-ND	-2.96	1.33	1.37
14	g	854	CLA	C4D-ND	-2.96	1.33	1.37
14	b	817	CLA	C4D-ND	-2.96	1.33	1.37
14	F	201	CLA	C4D-ND	-2.96	1.33	1.37
14	G	832	CLA	C4D-ND	-2.95	1.33	1.37
14	A	832	CLA	C4D-ND	-2.95	1.33	1.37
14	A	854	CLA	C4D-ND	-2.95	1.33	1.37
14	G	820	CLA	C4D-ND	-2.95	1.33	1.37
14	N	811	CLA	C4D-ND	-2.95	1.33	1.37
14	N	825	CLA	C4D-ND	-2.95	1.33	1.37
14	u	101	CLA	C4D-ND	-2.95	1.33	1.37
14	N	830	CLA	C4D-ND	-2.95	1.33	1.37
14	A	818	CLA	C4D-ND	-2.95	1.33	1.37
14	n	814	CLA	C4D-ND	-2.95	1.33	1.37
14	B	805	CLA	C4D-ND	-2.95	1.33	1.37
14	a	803	CLA	C4D-ND	-2.95	1.33	1.37
14	N	801	CLA	C4D-ND	-2.95	1.33	1.37
14	g	801	CLA	C4D-ND	-2.95	1.33	1.37
14	B	816	CLA	C4D-ND	-2.95	1.33	1.37
14	N	842	CLA	CHC-C1C	2.95	1.42	1.35
14	b	813	CLA	C4D-ND	-2.95	1.33	1.37
14	N	834	CLA	C4D-ND	-2.95	1.33	1.37
14	g	815	CLA	C4D-ND	-2.95	1.33	1.37
14	A	855	CLA	CHC-C1C	2.95	1.42	1.35
14	A	823	CLA	C4D-ND	-2.95	1.33	1.37
14	b	826	CLA	C4D-ND	-2.95	1.33	1.37
14	G	836	CLA	C4D-ND	-2.95	1.33	1.37
14	A	805	CLA	C4D-ND	-2.95	1.33	1.37
14	n	850	CLA	C4D-ND	-2.94	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	802	CLA	C4D-ND	-2.94	1.33	1.37
14	G	808	CLA	C4D-ND	-2.94	1.33	1.37
14	G	833	CLA	C4D-ND	-2.94	1.33	1.37
14	B	831	CLA	C4D-ND	-2.94	1.33	1.37
14	N	817	CLA	C4D-ND	-2.94	1.33	1.37
14	A	806	CLA	C4D-ND	-2.94	1.33	1.37
14	G	813	CLA	C4D-ND	-2.94	1.33	1.37
14	n	838	CLA	C4D-ND	-2.94	1.33	1.37
14	b	839	CLA	C4D-ND	-2.94	1.33	1.37
14	G	828	CLA	C4D-ND	-2.94	1.33	1.37
14	g	808	CLA	C4D-ND	-2.94	1.33	1.37
14	A	808	CLA	C4D-ND	-2.94	1.33	1.37
14	A	834	CLA	C4D-ND	-2.94	1.33	1.37
14	A	807	CLA	C4D-ND	-2.94	1.33	1.37
14	a	832	CLA	C4D-ND	-2.94	1.33	1.37
14	b	810	CLA	C4D-ND	-2.94	1.33	1.37
14	g	813	CLA	C4D-ND	-2.94	1.33	1.37
14	b	829	CLA	C4D-ND	-2.94	1.33	1.37
14	G	805	CLA	C4D-ND	-2.94	1.33	1.37
14	A	857	CLA	C4D-ND	-2.94	1.33	1.37
14	b	818	CLA	C4D-ND	-2.94	1.33	1.37
14	W	202	CLA	C4D-ND	-2.93	1.33	1.37
14	A	804	CLA	C4D-ND	-2.93	1.33	1.37
14	A	811	CLA	C4D-ND	-2.93	1.33	1.37
14	H	1701	CLA	C4D-ND	-2.93	1.33	1.37
14	b	821	CLA	C4D-ND	-2.93	1.33	1.37
14	b	822	CLA	C4D-ND	-2.93	1.33	1.37
14	A	809	CLA	C4D-ND	-2.93	1.33	1.37
14	A	833	CLA	C4D-ND	-2.93	1.33	1.37
14	n	840	CLA	CHC-C1C	2.93	1.42	1.35
14	g	839	CLA	C4D-ND	-2.93	1.33	1.37
14	n	806	CLA	C4D-ND	-2.93	1.33	1.37
14	a	807	CLA	C4D-ND	-2.93	1.33	1.37
14	l	202	CLA	C4D-ND	-2.93	1.33	1.37
14	G	802	CLA	C4D-ND	-2.93	1.33	1.37
14	L	1501	CLA	C4D-ND	-2.93	1.33	1.37
14	g	810	CLA	C4D-ND	-2.93	1.33	1.37
14	g	823	CLA	C4D-ND	-2.93	1.33	1.37
14	a	826	CLA	C4D-ND	-2.93	1.33	1.37
14	b	841	CLA	CHC-C1C	2.93	1.42	1.35
14	a	840	CLA	C4D-ND	-2.93	1.33	1.37
14	g	817	CLA	C4D-ND	-2.93	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	n	852	CLA	C4D-ND	-2.93	1.33	1.37
14	k	101	CLA	C4D-ND	-2.93	1.33	1.37
14	w	205	CLA	C4D-ND	-2.93	1.33	1.37
14	a	810	CLA	C4D-ND	-2.93	1.33	1.37
14	g	838	CLA	C4D-ND	-2.92	1.33	1.37
14	A	819	CLA	C4D-ND	-2.92	1.33	1.37
14	b	804	CLA	C4D-ND	-2.92	1.33	1.37
14	b	840	CLA	C4D-ND	-2.92	1.33	1.37
14	b	812	CLA	C4D-ND	-2.92	1.33	1.37
14	b	816	CLA	C4D-ND	-2.92	1.33	1.37
14	B	835	CLA	C4D-ND	-2.92	1.33	1.37
14	G	853	CLA	C4D-ND	-2.92	1.33	1.37
14	g	826	CLA	C4D-ND	-2.92	1.33	1.37
14	W	204	CLA	C4D-ND	-2.92	1.33	1.37
14	N	818	CLA	C4D-ND	-2.92	1.33	1.37
14	n	820	CLA	C4D-ND	-2.92	1.33	1.37
14	n	823	CLA	C4D-ND	-2.92	1.33	1.37
14	n	831	CLA	C4D-ND	-2.92	1.33	1.37
14	a	812	CLA	C4D-ND	-2.92	1.33	1.37
14	G	821	CLA	C4D-ND	-2.92	1.33	1.37
14	a	817	CLA	C4D-ND	-2.92	1.33	1.37
14	U	101	CLA	C4D-ND	-2.92	1.33	1.37
14	a	821	CLA	C4D-ND	-2.91	1.33	1.37
14	g	809	CLA	C4D-ND	-2.91	1.33	1.37
14	B	841	CLA	CHC-C1C	2.91	1.42	1.35
14	a	854	CLA	C4D-ND	-2.91	1.33	1.37
14	n	834	CLA	C4D-ND	-2.91	1.33	1.37
14	G	827	CLA	C4D-ND	-2.91	1.33	1.37
14	B	813	CLA	C4D-ND	-2.91	1.33	1.37
14	G	819	CLA	C4D-ND	-2.91	1.33	1.37
14	B	832	CLA	C4D-ND	-2.91	1.33	1.37
14	a	809	CLA	C4D-ND	-2.91	1.33	1.37
14	g	805	CLA	C4D-ND	-2.91	1.33	1.37
14	g	814	CLA	C4D-ND	-2.91	1.33	1.37
14	n	811	CLA	C4D-ND	-2.91	1.33	1.37
14	a	802	CLA	C4D-ND	-2.91	1.33	1.37
14	a	805	CLA	C4D-ND	-2.91	1.33	1.37
14	B	840	CLA	C4D-ND	-2.91	1.33	1.37
14	g	828	CLA	C4D-ND	-2.91	1.33	1.37
14	B	815	CLA	C4D-ND	-2.91	1.33	1.37
14	a	820	CLA	C4D-ND	-2.91	1.33	1.37
14	a	833	CLA	C4D-ND	-2.91	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	827	CLA	C4D-ND	-2.90	1.33	1.37
14	A	853	CLA	C4D-ND	-2.90	1.33	1.37
14	G	822	CLA	C4D-ND	-2.90	1.33	1.37
14	a	827	CLA	C4D-ND	-2.90	1.33	1.37
14	n	816	CLA	C4D-ND	-2.90	1.33	1.37
14	B	822	CLA	C4D-ND	-2.90	1.33	1.37
14	t	101	CLA	C4D-ND	-2.90	1.33	1.37
14	g	812	CLA	C4D-ND	-2.90	1.33	1.37
14	n	812	CLA	C4D-ND	-2.90	1.33	1.37
14	b	815	CLA	C4D-ND	-2.90	1.33	1.37
14	G	810	CLA	C4D-ND	-2.90	1.33	1.37
14	n	828	CLA	C4D-ND	-2.90	1.33	1.37
14	a	838	CLA	C4D-ND	-2.90	1.33	1.37
14	G	823	CLA	C4D-ND	-2.90	1.33	1.37
14	u	102	CLA	C4D-ND	-2.90	1.33	1.37
14	g	820	CLA	C4D-ND	-2.90	1.33	1.37
14	J	102	CLA	C4D-ND	-2.90	1.33	1.37
14	a	808	CLA	C4D-ND	-2.90	1.33	1.37
14	g	840	CLA	C4D-ND	-2.89	1.33	1.37
14	b	824	CLA	C4D-ND	-2.89	1.33	1.37
14	a	806	CLA	C4D-ND	-2.89	1.33	1.37
14	A	837	CLA	C4D-ND	-2.89	1.33	1.37
14	a	814	CLA	C4D-ND	-2.89	1.33	1.37
14	T	101	CLA	C4D-ND	-2.89	1.33	1.37
14	N	823	CLA	C4D-ND	-2.89	1.33	1.37
14	h	1701	CLA	C4D-ND	-2.89	1.33	1.37
14	b	851	CLA	C4D-ND	-2.89	1.33	1.37
14	s	202	CLA	C4D-ND	-2.89	1.33	1.37
14	B	826	CLA	C4D-ND	-2.89	1.33	1.37
14	x	1701	CLA	C4D-ND	-2.89	1.33	1.37
14	g	807	CLA	C4D-ND	-2.89	1.33	1.37
14	G	814	CLA	C4D-ND	-2.89	1.33	1.37
14	G	804	CLA	C4D-ND	-2.89	1.33	1.37
14	A	824	CLA	C4D-ND	-2.89	1.33	1.37
14	a	801	CLA	C4D-ND	-2.89	1.33	1.37
14	A	814	CLA	C4D-ND	-2.88	1.33	1.37
14	G	815	CLA	C4D-ND	-2.88	1.33	1.37
14	g	802	CLA	C4D-ND	-2.88	1.33	1.37
14	n	821	CLA	C4D-ND	-2.88	1.33	1.37
14	A	813	CLA	C4D-ND	-2.88	1.33	1.37
14	A	816	CLA	C4D-ND	-2.88	1.33	1.37
14	N	816	CLA	C4D-ND	-2.88	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	836	CLA	C4D-ND	-2.88	1.33	1.37
14	A	803	CLA	C4D-ND	-2.88	1.33	1.37
14	B	804	CLA	C4D-ND	-2.88	1.33	1.37
14	G	811	CLA	C4D-ND	-2.88	1.33	1.37
14	N	813	CLA	C4D-ND	-2.88	1.33	1.37
14	n	808	CLA	C4D-ND	-2.88	1.33	1.37
14	a	828	CLA	C4D-ND	-2.88	1.33	1.37
14	N	831	CLA	C4D-ND	-2.88	1.33	1.37
14	g	806	CLA	C4D-ND	-2.88	1.33	1.37
14	N	822	CLA	C4D-ND	-2.88	1.33	1.37
14	b	853	CLA	C4D-ND	-2.88	1.33	1.37
14	g	834	CLA	C4D-ND	-2.88	1.33	1.37
14	N	814	CLA	C4D-ND	-2.87	1.33	1.37
14	N	837	CLA	C4D-ND	-2.87	1.33	1.37
14	a	815	CLA	C4D-ND	-2.87	1.33	1.37
14	b	834	CLA	C4D-ND	-2.87	1.33	1.37
14	G	818	CLA	C4D-ND	-2.87	1.33	1.37
14	A	829	CLA	C4D-ND	-2.87	1.33	1.37
14	G	824	CLA	C4D-ND	-2.87	1.33	1.37
14	B	825	CLA	C4D-ND	-2.87	1.33	1.37
14	g	852	CLA	CMB-C2B	-2.87	1.45	1.51
14	A	822	CLA	C4D-ND	-2.87	1.33	1.37
14	U	102	CLA	C4D-ND	-2.87	1.33	1.37
14	A	835	CLA	C4D-ND	-2.87	1.33	1.37
14	n	824	CLA	C4D-ND	-2.87	1.33	1.37
14	f	201	CLA	C4D-ND	-2.87	1.33	1.37
14	g	818	CLA	C4D-ND	-2.86	1.33	1.37
14	B	803	CLA	C4D-ND	-2.86	1.33	1.37
14	B	809	CLA	C4D-ND	-2.86	1.33	1.37
14	b	803	CLA	C4D-ND	-2.86	1.33	1.37
14	N	836	CLA	C4D-ND	-2.86	1.33	1.37
14	g	821	CLA	C4D-ND	-2.86	1.33	1.37
14	j	102	CLA	C4D-ND	-2.86	1.33	1.37
14	B	834	CLA	C4D-ND	-2.85	1.33	1.37
14	a	822	CLA	C4D-ND	-2.85	1.33	1.37
14	t	102	CLA	C4D-ND	-2.85	1.33	1.37
14	b	820	CLA	C4D-ND	-2.85	1.33	1.37
14	b	835	CLA	C4D-ND	-2.85	1.33	1.37
14	F	202	CLA	C4D-ND	-2.85	1.33	1.37
18	A	850	LHG	C26-C25	-2.85	1.35	1.51
14	n	835	CLA	C4D-ND	-2.85	1.33	1.37
14	b	831	CLA	C4D-ND	-2.85	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	a	850	LHG	C26-C25	-2.85	1.35	1.51
14	B	830	CLA	C4D-ND	-2.85	1.33	1.37
14	n	819	CLA	C4D-ND	-2.84	1.33	1.37
14	n	829	CLA	C4D-ND	-2.84	1.33	1.37
14	A	841	CLA	C4D-ND	-2.84	1.33	1.37
18	a	849	LHG	C26-C25	-2.84	1.35	1.51
18	G	850	LHG	C26-C25	-2.84	1.35	1.51
14	T	102	CLA	C4D-ND	-2.84	1.33	1.37
14	B	836	CLA	C4D-ND	-2.84	1.33	1.37
18	A	851	LHG	C26-C25	-2.83	1.35	1.51
14	K	101	CLA	C4D-ND	-2.83	1.33	1.37
14	N	832	CLA	C4D-ND	-2.83	1.33	1.37
14	b	823	CLA	C4D-ND	-2.83	1.33	1.37
14	A	820	CLA	C4D-ND	-2.83	1.33	1.37
14	N	827	CLA	C4D-ND	-2.83	1.33	1.37
14	J	101	CLA	C4D-ND	-2.83	1.33	1.37
14	N	810	CLA	C4D-ND	-2.83	1.33	1.37
14	B	812	CLA	C4D-ND	-2.83	1.33	1.37
18	g	849	LHG	C26-C25	-2.83	1.35	1.51
18	g	850	LHG	C26-C25	-2.83	1.35	1.51
14	n	822	CLA	C4D-ND	-2.82	1.33	1.37
18	G	849	LHG	C26-C25	-2.82	1.35	1.51
14	B	811	CLA	C4D-ND	-2.81	1.33	1.37
14	b	809	CLA	C4D-ND	-2.81	1.33	1.37
14	n	833	CLA	C4D-ND	-2.81	1.33	1.37
18	X	1702	LHG	C26-C25	-2.81	1.35	1.51
14	N	804	CLA	C4D-ND	-2.81	1.33	1.37
14	N	835	CLA	C4D-ND	-2.81	1.33	1.37
18	S	202	LHG	C26-C25	-2.81	1.35	1.51
14	b	841	CLA	CMB-C2B	-2.81	1.45	1.51
14	S	203	CLA	C4D-ND	-2.81	1.33	1.37
14	b	802	CLA	C4D-ND	-2.81	1.33	1.37
14	g	819	CLA	C4D-ND	-2.80	1.33	1.37
18	v	102	LHG	C26-C25	-2.79	1.35	1.51
18	m	101	LHG	C26-C25	-2.79	1.35	1.51
14	g	828	CLA	CMB-C2B	-2.79	1.45	1.51
14	g	854	CLA	CMB-C2B	-2.77	1.45	1.51
14	n	803	CLA	C4D-ND	-2.76	1.33	1.37
14	b	825	CLA	C4D-ND	-2.76	1.33	1.37
14	n	804	CLA	C4D-ND	-2.74	1.33	1.37
14	n	840	CLA	CMB-C2B	-2.74	1.45	1.51
14	N	801	CLA	CMB-C2B	-2.74	1.45	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	829	CLA	CMB-C2B	-2.73	1.46	1.51
14	j	101	CLA	C4D-ND	-2.73	1.33	1.37
14	b	812	CLA	CMB-C2B	-2.72	1.46	1.51
14	N	842	CLA	CMB-C2B	-2.71	1.46	1.51
14	b	802	CLA	CMB-C2B	-2.69	1.46	1.51
14	B	841	CLA	CMB-C2B	-2.68	1.46	1.51
14	A	829	CLA	CMB-C2B	-2.67	1.46	1.51
14	b	830	CLA	CMB-C2B	-2.65	1.46	1.51
14	B	810	CLA	CMB-C2B	-2.65	1.46	1.51
14	A	834	CLA	CMB-C2B	-2.65	1.46	1.51
14	G	852	CLA	CMB-C2B	-2.63	1.46	1.51
14	N	811	CLA	CMB-C2B	-2.63	1.46	1.51
14	A	840	CLA	CMB-C2B	-2.62	1.46	1.51
14	a	840	CLA	CMB-C2B	-2.61	1.46	1.51
14	a	852	CLA	CMB-C2B	-2.61	1.46	1.51
14	N	821	CLA	CMB-C2B	-2.60	1.46	1.51
14	N	836	CLA	CMB-C2B	-2.60	1.46	1.51
14	g	817	CLA	CMB-C2B	-2.59	1.46	1.51
14	n	830	CLA	CMB-C2B	-2.58	1.46	1.51
14	B	835	CLA	CMB-C2B	-2.58	1.46	1.51
14	b	810	CLA	CMB-C2B	-2.58	1.46	1.51
14	B	833	CLA	CMB-C2B	-2.58	1.46	1.51
14	L	1501	CLA	CMB-C2B	-2.57	1.46	1.51
14	N	834	CLA	CMB-C2B	-2.57	1.46	1.51
14	a	829	CLA	CMB-C2B	-2.57	1.46	1.51
14	n	818	CLA	CMB-C2B	-2.57	1.46	1.51
14	b	820	CLA	CMB-C2B	-2.57	1.46	1.51
14	B	820	CLA	CMB-C2B	-2.57	1.46	1.51
14	g	823	CLA	CMB-C2B	-2.56	1.46	1.51
14	A	855	CLA	CMB-C2B	-2.56	1.46	1.51
14	g	819	CLA	CMB-C2B	-2.56	1.46	1.51
14	n	809	CLA	CMB-C2B	-2.56	1.46	1.51
14	A	837	CLA	CMB-C2B	-2.55	1.46	1.51
14	g	833	CLA	CMB-C2B	-2.54	1.46	1.51
14	N	832	CLA	CMB-C2B	-2.54	1.46	1.51
14	b	831	CLA	CMB-C2B	-2.54	1.46	1.51
14	N	830	CLA	CMB-C2B	-2.54	1.46	1.51
14	a	836	CLA	CMB-C2B	-2.54	1.46	1.51
14	a	823	CLA	CMB-C2B	-2.54	1.46	1.51
14	A	836	CLA	CMB-C2B	-2.54	1.46	1.51
14	W	202	CLA	CMB-C2B	-2.53	1.46	1.51
14	A	824	CLA	CMB-C2B	-2.53	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	g	839	CLA	CMB-C2B	-2.53	1.46	1.51
14	b	819	CLA	CMB-C2B	-2.53	1.46	1.51
19	g	851	CL0	MG-NA	-2.53	2.00	2.06
14	n	804	CLA	CMB-C2B	-2.53	1.46	1.51
14	g	810	CLA	CMB-C2B	-2.53	1.46	1.51
14	a	827	CLA	CMB-C2B	-2.53	1.46	1.51
14	b	851	CLA	CMB-C2B	-2.53	1.46	1.51
14	a	817	CLA	CMB-C2B	-2.53	1.46	1.51
14	A	818	CLA	CMB-C2B	-2.53	1.46	1.51
14	N	820	CLA	CMB-C2B	-2.52	1.46	1.51
14	g	829	CLA	CMB-C2B	-2.52	1.46	1.51
14	g	827	CLA	CMB-C2B	-2.52	1.46	1.51
14	G	834	CLA	CMB-C2B	-2.52	1.46	1.51
14	a	807	CLA	CMB-C2B	-2.52	1.46	1.51
14	a	853	CLA	CMB-C2B	-2.52	1.46	1.51
14	G	828	CLA	CMB-C2B	-2.51	1.46	1.51
14	g	809	CLA	CMB-C2B	-2.51	1.46	1.51
14	f	202	CLA	CMB-C2B	-2.51	1.46	1.51
14	N	840	CLA	CMB-C2B	-2.51	1.46	1.51
14	w	203	CLA	CMB-C2B	-2.51	1.46	1.51
14	a	837	CLA	CMB-C2B	-2.51	1.46	1.51
14	G	824	CLA	CMB-C2B	-2.51	1.46	1.51
14	F	202	CLA	CMB-C2B	-2.51	1.46	1.51
14	G	830	CLA	CMB-C2B	-2.51	1.46	1.51
14	A	828	CLA	CMB-C2B	-2.51	1.46	1.51
14	A	853	CLA	CMB-C2B	-2.51	1.46	1.51
14	b	835	CLA	CMB-C2B	-2.50	1.46	1.51
14	G	820	CLA	CMB-C2B	-2.50	1.46	1.51
14	n	850	CLA	CMB-C2B	-2.50	1.46	1.51
14	N	838	CLA	CMB-C2B	-2.50	1.46	1.51
14	n	819	CLA	CMB-C2B	-2.50	1.46	1.51
18	a	850	LHG	O8-C6	-2.50	1.39	1.45
14	N	819	CLA	CMB-C2B	-2.49	1.46	1.51
14	g	805	CLA	CMB-C2B	-2.49	1.46	1.51
14	N	805	CLA	CMB-C2B	-2.49	1.46	1.51
14	G	812	CLA	CMB-C2B	-2.49	1.46	1.51
14	g	820	CLA	CMB-C2B	-2.49	1.46	1.51
14	n	839	CLA	CMB-C2B	-2.49	1.46	1.51
14	a	830	CLA	CMB-C2B	-2.49	1.46	1.51
14	l	203	CLA	CMB-C2B	-2.49	1.46	1.51
14	N	841	CLA	CMB-C2B	-2.49	1.46	1.51
14	B	819	CLA	CMB-C2B	-2.49	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	801	CLA	CMB-C2B	-2.49	1.46	1.51
14	A	839	CLA	CMB-C2B	-2.49	1.46	1.51
14	A	806	CLA	CMB-C2B	-2.49	1.46	1.51
14	n	834	CLA	CMB-C2B	-2.49	1.46	1.51
14	A	830	CLA	CMB-C2B	-2.49	1.46	1.51
14	s	201	CLA	CMB-C2B	-2.49	1.46	1.51
14	g	816	CLA	CMB-C2B	-2.48	1.46	1.51
14	A	821	CLA	CMB-C2B	-2.48	1.46	1.51
14	B	811	CLA	CMB-C2B	-2.48	1.46	1.51
14	B	829	CLA	CMB-C2B	-2.48	1.46	1.51
14	b	840	CLA	CMB-C2B	-2.48	1.46	1.51
14	g	811	CLA	CMB-C2B	-2.48	1.46	1.51
14	A	807	CLA	CMB-C2B	-2.48	1.46	1.51
14	G	815	CLA	CMB-C2B	-2.48	1.46	1.51
14	G	838	CLA	CMB-C2B	-2.48	1.46	1.51
14	b	809	CLA	CMB-C2B	-2.48	1.46	1.51
14	b	838	CLA	CMB-C2B	-2.48	1.46	1.51
14	A	820	CLA	CMB-C2B	-2.48	1.46	1.51
14	G	818	CLA	CMB-C2B	-2.48	1.46	1.51
14	G	821	CLA	CMB-C2B	-2.48	1.46	1.51
14	n	810	CLA	CMB-C2B	-2.48	1.46	1.51
14	g	804	CLA	CMB-C2B	-2.48	1.46	1.51
14	g	853	CLA	CMB-C2B	-2.48	1.46	1.51
14	N	839	CLA	CMB-C2B	-2.48	1.46	1.51
14	A	816	CLA	CMB-C2B	-2.48	1.46	1.51
14	G	823	CLA	CMB-C2B	-2.48	1.46	1.51
14	N	812	CLA	CMB-C2B	-2.48	1.46	1.51
14	G	811	CLA	CMB-C2B	-2.48	1.46	1.51
14	G	817	CLA	CMB-C2B	-2.47	1.46	1.51
14	L	1503	CLA	CMB-C2B	-2.47	1.46	1.51
14	J	101	CLA	CMB-C2B	-2.47	1.46	1.51
14	g	837	CLA	CMB-C2B	-2.47	1.46	1.51
14	n	811	CLA	CMB-C2B	-2.47	1.46	1.51
14	A	805	CLA	CMB-C2B	-2.47	1.46	1.51
14	b	811	CLA	CMB-C2B	-2.47	1.46	1.51
14	g	821	CLA	CMB-C2B	-2.47	1.46	1.51
14	b	824	CLA	CMB-C2B	-2.47	1.46	1.51
14	H	1701	CLA	CMB-C2B	-2.47	1.46	1.51
14	a	809	CLA	CMB-C2B	-2.47	1.46	1.51
14	a	833	CLA	CMB-C2B	-2.47	1.46	1.51
14	B	850	CLA	CMB-C2B	-2.47	1.46	1.51
14	L	1502	CLA	CMB-C2B	-2.47	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	826	CLA	CMB-C2B	-2.47	1.46	1.51
14	B	840	CLA	CMB-C2B	-2.47	1.46	1.51
14	G	831	CLA	CMB-C2B	-2.47	1.46	1.51
14	s	202	CLA	CMB-C2B	-2.47	1.46	1.51
14	A	833	CLA	CMB-C2B	-2.47	1.46	1.51
14	G	833	CLA	CMB-C2B	-2.47	1.46	1.51
14	A	811	CLA	CMB-C2B	-2.47	1.46	1.51
14	g	831	CLA	CMB-C2B	-2.47	1.46	1.51
14	n	823	CLA	CMB-C2B	-2.47	1.46	1.51
14	S	201	CLA	CMB-C2B	-2.47	1.46	1.51
14	B	839	CLA	CMB-C2B	-2.47	1.46	1.51
14	N	851	CLA	CMB-C2B	-2.47	1.46	1.51
14	a	832	CLA	CMB-C2B	-2.47	1.46	1.51
14	a	839	CLA	CMB-C2B	-2.47	1.46	1.51
14	A	838	CLA	CMB-C2B	-2.46	1.46	1.51
14	a	821	CLA	CMB-C2B	-2.46	1.46	1.51
14	A	809	CLA	CMB-C2B	-2.46	1.46	1.51
14	U	101	CLA	CMB-C2B	-2.46	1.46	1.51
14	G	832	CLA	CMB-C2B	-2.46	1.46	1.51
14	A	812	CLA	CMB-C2B	-2.46	1.46	1.51
14	G	840	CLA	CMB-C2B	-2.46	1.46	1.51
14	A	854	CLA	CMB-C2B	-2.46	1.46	1.51
14	a	815	CLA	CMB-C2B	-2.46	1.46	1.51
14	a	822	CLA	CMB-C2B	-2.46	1.46	1.51
14	l	204	CLA	CMB-C2B	-2.46	1.46	1.51
14	K	101	CLA	CMB-C2B	-2.46	1.46	1.51
14	B	831	CLA	CMB-C2B	-2.46	1.46	1.51
14	A	823	CLA	CMB-C2B	-2.46	1.46	1.51
14	a	818	CLA	CMB-C2B	-2.46	1.46	1.51
14	l	202	CLA	CMB-C2B	-2.46	1.46	1.51
14	u	102	CLA	CMB-C2B	-2.46	1.46	1.51
14	b	829	CLA	CMB-C2B	-2.46	1.46	1.51
14	N	837	CLA	CMB-C2B	-2.45	1.46	1.51
14	S	203	CLA	CMB-C2B	-2.45	1.46	1.51
14	n	817	CLA	CMB-C2B	-2.45	1.46	1.51
14	g	822	CLA	CMB-C2B	-2.45	1.46	1.51
14	F	201	CLA	CMB-C2B	-2.45	1.46	1.51
14	N	814	CLA	CMB-C2B	-2.45	1.46	1.51
14	U	102	CLA	CMB-C2B	-2.45	1.46	1.51
14	n	828	CLA	CMB-C2B	-2.45	1.46	1.51
14	w	204	CLA	CMB-C2B	-2.45	1.46	1.51
14	g	852	CLA	CMD-C2D	-2.45	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	809	CLA	CMB-C2B	-2.45	1.46	1.51
14	N	808	CLA	CMB-C2B	-2.45	1.46	1.51
14	B	817	CLA	CMB-C2B	-2.45	1.46	1.51
14	n	832	CLA	CMB-C2B	-2.45	1.46	1.51
14	a	808	CLA	CMB-C2B	-2.45	1.46	1.51
14	g	838	CLA	CMB-C2B	-2.45	1.46	1.51
14	a	806	CLA	CMB-C2B	-2.45	1.46	1.51
14	G	839	CLA	CMB-C2B	-2.45	1.46	1.51
14	A	804	CLA	CMB-C2B	-2.45	1.46	1.51
14	n	826	CLA	CMB-C2B	-2.44	1.46	1.51
14	a	824	CLA	CMB-C2B	-2.44	1.46	1.51
14	T	101	CLA	CMB-C2B	-2.44	1.46	1.51
14	g	835	CLA	CMB-C2B	-2.44	1.46	1.51
14	a	810	CLA	CMB-C2B	-2.44	1.46	1.51
14	G	806	CLA	CMB-C2B	-2.44	1.46	1.51
14	G	853	CLA	CMB-C2B	-2.44	1.46	1.51
14	g	832	CLA	CMB-C2B	-2.44	1.46	1.51
14	n	812	CLA	CMB-C2B	-2.44	1.46	1.51
14	A	801	CLA	CMB-C2B	-2.44	1.46	1.51
14	g	807	CLA	CMB-C2B	-2.44	1.46	1.51
14	A	810	CLA	CMB-C2B	-2.44	1.46	1.51
14	B	813	CLA	CMB-C2B	-2.44	1.46	1.51
14	a	805	CLA	CMB-C2B	-2.44	1.46	1.51
14	f	201	CLA	CMB-C2B	-2.44	1.46	1.51
14	A	826	CLA	CMB-C2B	-2.44	1.46	1.51
14	x	1701	CLA	CMB-C2B	-2.44	1.46	1.51
14	N	828	CLA	CMB-C2B	-2.44	1.46	1.51
14	G	814	CLA	CMB-C2B	-2.44	1.46	1.51
14	g	815	CLA	CMB-C2B	-2.44	1.46	1.51
14	g	836	CLA	CMB-C2B	-2.44	1.46	1.51
14	B	804	CLA	CMB-C2B	-2.44	1.46	1.51
18	g	850	LHG	O8-C6	-2.43	1.39	1.45
14	n	831	CLA	CMB-C2B	-2.43	1.46	1.51
14	a	819	CLA	CMB-C2B	-2.43	1.46	1.51
14	G	827	CLA	CMB-C2B	-2.43	1.46	1.51
14	N	817	CLA	CMB-C2B	-2.43	1.46	1.51
14	g	818	CLA	CMB-C2B	-2.43	1.46	1.51
14	a	834	CLA	CMB-C2B	-2.43	1.46	1.51
14	b	839	CLA	CMB-C2B	-2.43	1.46	1.51
14	b	821	CLA	CMB-C2B	-2.43	1.46	1.51
14	N	833	CLA	CMB-C2B	-2.43	1.46	1.51
14	B	826	CLA	CMB-C2B	-2.43	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	816	CLA	CMB-C2B	-2.43	1.46	1.51
14	B	809	CLA	CMB-C2B	-2.43	1.46	1.51
14	B	821	CLA	CMB-C2B	-2.43	1.46	1.51
14	X	1701	CLA	CMB-C2B	-2.43	1.46	1.51
14	B	838	CLA	CMB-C2B	-2.43	1.46	1.51
14	G	803	CLA	CMB-C2B	-2.43	1.46	1.51
14	n	808	CLA	CMB-C2B	-2.43	1.46	1.51
14	G	804	CLA	CMB-C2B	-2.43	1.46	1.51
14	N	835	CLA	CMB-C2B	-2.43	1.46	1.51
14	n	836	CLA	CMB-C2B	-2.42	1.46	1.51
14	A	819	CLA	CMB-C2B	-2.42	1.46	1.51
14	B	818	CLA	CMB-C2B	-2.42	1.46	1.51
14	B	837	CLA	CMB-C2B	-2.42	1.46	1.51
14	a	811	CLA	CMB-C2B	-2.42	1.46	1.51
14	N	807	CLA	CMB-C2B	-2.42	1.46	1.51
14	n	821	CLA	CMB-C2B	-2.42	1.46	1.51
14	B	815	CLA	CMB-C2B	-2.42	1.46	1.51
14	N	825	CLA	CMB-C2B	-2.42	1.46	1.51
14	A	841	CLA	CMB-C2B	-2.42	1.46	1.51
14	G	819	CLA	CMB-C2B	-2.42	1.46	1.51
14	g	824	CLA	CMB-C2B	-2.42	1.46	1.51
14	b	805	CLA	CMB-C2B	-2.42	1.46	1.51
14	W	203	CLA	CMB-C2B	-2.42	1.46	1.51
14	g	830	CLA	CMB-C2B	-2.42	1.46	1.51
14	A	802	CLA	CMB-C2B	-2.42	1.46	1.51
14	N	823	CLA	CMB-C2B	-2.42	1.46	1.51
14	n	814	CLA	CMB-C2B	-2.42	1.46	1.51
14	n	827	CLA	CMB-C2B	-2.42	1.46	1.51
14	w	205	CLA	CMB-C2B	-2.42	1.46	1.51
14	B	834	CLA	CMB-C2B	-2.42	1.46	1.51
14	g	808	CLA	CMB-C2B	-2.42	1.46	1.51
14	A	831	CLA	CMB-C2B	-2.42	1.46	1.51
14	N	806	CLA	CMB-C2B	-2.42	1.46	1.51
14	a	820	CLA	CMB-C2B	-2.42	1.46	1.51
14	t	102	CLA	CMB-C2B	-2.42	1.46	1.51
14	G	816	CLA	CMB-C2B	-2.42	1.46	1.51
14	n	802	CLA	CMB-C2B	-2.42	1.46	1.51
14	n	807	CLA	CMB-C2B	-2.42	1.46	1.51
14	A	813	CLA	CMB-C2B	-2.42	1.46	1.51
14	b	828	CLA	CMB-C2B	-2.42	1.46	1.51
14	G	826	CLA	CMB-C2B	-2.42	1.46	1.51
14	n	822	CLA	CMB-C2B	-2.41	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	b	834	CLA	CMB-C2B	-2.41	1.46	1.51
14	N	822	CLA	CMB-C2B	-2.41	1.46	1.51
14	u	101	CLA	CMB-C2B	-2.41	1.46	1.51
14	G	807	CLA	CMB-C2B	-2.41	1.46	1.51
14	n	838	CLA	CMB-C2B	-2.41	1.46	1.51
14	A	857	CLA	CMB-C2B	-2.41	1.46	1.51
14	b	817	CLA	CMB-C2B	-2.41	1.46	1.51
14	b	833	CLA	CMB-C2B	-2.41	1.46	1.51
14	b	818	CLA	CMB-C2B	-2.41	1.46	1.51
14	n	813	CLA	CMB-C2B	-2.41	1.46	1.51
14	a	825	CLA	CMB-C2B	-2.41	1.46	1.51
14	G	802	CLA	CMB-C2B	-2.41	1.46	1.51
14	t	101	CLA	CMB-C2B	-2.41	1.46	1.51
14	N	832	CLA	CMD-C2D	-2.41	1.45	1.50
14	n	852	CLA	CMB-C2B	-2.41	1.46	1.51
14	n	833	CLA	CMB-C2B	-2.41	1.46	1.51
14	k	101	CLA	CMB-C2B	-2.41	1.46	1.51
14	n	803	CLA	CMB-C2B	-2.41	1.46	1.51
14	n	806	CLA	CMB-C2B	-2.41	1.46	1.51
14	G	836	CLA	CMB-C2B	-2.41	1.46	1.51
14	h	1701	CLA	CMB-C2B	-2.41	1.46	1.51
14	B	828	CLA	CMB-C2B	-2.41	1.46	1.51
14	N	804	CLA	CMB-C2B	-2.41	1.46	1.51
14	b	827	CLA	CMB-C2B	-2.41	1.46	1.51
14	G	805	CLA	CMB-C2B	-2.41	1.46	1.51
14	N	815	CLA	CMB-C2B	-2.41	1.46	1.51
14	n	805	CLA	CMB-C2B	-2.41	1.46	1.51
18	G	850	LHG	O8-C6	-2.41	1.39	1.45
14	a	804	CLA	CMB-C2B	-2.41	1.46	1.51
14	B	808	CLA	CMB-C2B	-2.41	1.46	1.51
14	B	832	CLA	CMB-C2B	-2.41	1.46	1.51
14	a	802	CLA	CMB-C2B	-2.41	1.46	1.51
14	T	102	CLA	CMB-C2B	-2.40	1.46	1.51
14	n	837	CLA	CMB-C2B	-2.40	1.46	1.51
14	N	810	CLA	CMB-C2B	-2.40	1.46	1.51
14	B	816	CLA	CMB-C2B	-2.40	1.46	1.51
14	g	803	CLA	CMB-C2B	-2.40	1.46	1.51
14	n	816	CLA	CMB-C2B	-2.40	1.46	1.51
14	B	824	CLA	CMB-C2B	-2.40	1.46	1.51
14	N	813	CLA	CMB-C2B	-2.40	1.46	1.51
14	g	802	CLA	CMB-C2B	-2.40	1.46	1.51
14	a	826	CLA	CMB-C2B	-2.40	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	838	CLA	CMB-C2B	-2.40	1.46	1.51
14	G	813	CLA	CMB-C2B	-2.40	1.46	1.51
14	N	803	CLA	CMB-C2B	-2.40	1.46	1.51
14	A	817	CLA	CMB-C2B	-2.40	1.46	1.51
14	a	854	CLA	CMB-C2B	-2.40	1.46	1.51
14	G	825	CLA	CMB-C2B	-2.40	1.46	1.51
14	W	204	CLA	CMB-C2B	-2.40	1.46	1.51
14	A	832	CLA	CMB-C2B	-2.40	1.46	1.51
14	j	101	CLA	CMB-C2B	-2.40	1.46	1.51
14	g	825	CLA	CMB-C2B	-2.40	1.46	1.51
14	B	823	CLA	CMB-C2B	-2.40	1.46	1.51
14	G	837	CLA	CMB-C2B	-2.40	1.46	1.51
14	A	822	CLA	CMB-C2B	-2.40	1.46	1.51
14	N	816	CLA	CMB-C2B	-2.40	1.46	1.51
14	j	102	CLA	CMB-C2B	-2.40	1.46	1.51
14	n	825	CLA	CMB-C2B	-2.40	1.46	1.51
14	B	812	CLA	CMB-C2B	-2.40	1.46	1.51
14	G	810	CLA	CMB-C2B	-2.40	1.46	1.51
14	G	835	CLA	CMB-C2B	-2.40	1.46	1.51
14	g	806	CLA	CMB-C2B	-2.40	1.46	1.51
14	b	826	CLA	CMB-C2B	-2.40	1.46	1.51
14	b	830	CLA	CMD-C2D	-2.40	1.45	1.50
14	b	804	CLA	CMB-C2B	-2.40	1.46	1.51
14	A	814	CLA	CMB-C2B	-2.40	1.46	1.51
14	n	815	CLA	CMB-C2B	-2.39	1.46	1.51
14	a	813	CLA	CMB-C2B	-2.39	1.46	1.51
18	a	849	LHG	O8-C6	-2.39	1.39	1.45
14	A	803	CLA	CMB-C2B	-2.39	1.46	1.51
14	G	808	CLA	CMB-C2B	-2.39	1.46	1.51
14	B	825	CLA	CMB-C2B	-2.39	1.46	1.51
14	A	835	CLA	CMB-C2B	-2.39	1.46	1.51
14	b	815	CLA	CMB-C2B	-2.39	1.46	1.51
14	b	823	CLA	CMB-C2B	-2.39	1.46	1.51
14	A	808	CLA	CMB-C2B	-2.39	1.46	1.51
14	b	803	CLA	CMB-C2B	-2.39	1.46	1.51
14	B	822	CLA	CMB-C2B	-2.39	1.46	1.51
14	a	803	CLA	CMB-C2B	-2.39	1.46	1.51
14	b	816	CLA	CMB-C2B	-2.39	1.46	1.51
18	A	851	LHG	O8-C6	-2.39	1.39	1.45
14	b	807	CLA	CMB-C2B	-2.39	1.46	1.51
14	A	825	CLA	CMB-C2B	-2.39	1.46	1.51
14	g	840	CLA	CMB-C2B	-2.39	1.46	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	n	820	CLA	CMB-C2B	-2.39	1.46	1.51
14	a	814	CLA	CMB-C2B	-2.39	1.46	1.51
14	B	807	CLA	CMB-C2B	-2.38	1.46	1.51
14	B	814	CLA	CMB-C2B	-2.38	1.46	1.51
14	B	827	CLA	CMB-C2B	-2.38	1.46	1.51
14	b	853	CLA	CMB-C2B	-2.38	1.46	1.51
18	G	849	LHG	O8-C6	-2.38	1.39	1.45
14	J	102	CLA	CMB-C2B	-2.38	1.46	1.51
14	b	822	CLA	CMB-C2B	-2.38	1.46	1.51
14	B	803	CLA	CMB-C2B	-2.38	1.46	1.51
14	n	824	CLA	CMB-C2B	-2.38	1.46	1.51
14	b	836	CLA	CMB-C2B	-2.38	1.46	1.51
14	N	829	CLA	CMB-C2B	-2.38	1.46	1.51
14	a	835	CLA	CMB-C2B	-2.38	1.46	1.51
14	b	814	CLA	CMB-C2B	-2.38	1.46	1.51
14	g	813	CLA	CMB-C2B	-2.38	1.46	1.51
18	g	849	LHG	O8-C6	-2.38	1.39	1.45
14	g	812	CLA	CMB-C2B	-2.38	1.46	1.51
14	b	837	CLA	CMB-C2B	-2.37	1.46	1.51
14	b	813	CLA	CMB-C2B	-2.37	1.46	1.51
14	A	827	CLA	CMB-C2B	-2.37	1.46	1.51
14	n	835	CLA	CMB-C2B	-2.37	1.46	1.51
14	g	814	CLA	CMB-C2B	-2.37	1.46	1.51
14	g	834	CLA	CMB-C2B	-2.37	1.46	1.51
18	X	1702	LHG	O8-C6	-2.37	1.39	1.45
14	a	831	CLA	CMB-C2B	-2.37	1.46	1.51
14	B	805	CLA	CMB-C2B	-2.37	1.46	1.51
14	a	801	CLA	CMB-C2B	-2.37	1.46	1.51
14	N	818	CLA	CMB-C2B	-2.37	1.46	1.51
14	A	815	CLA	CMB-C2B	-2.36	1.46	1.51
14	a	812	CLA	CMB-C2B	-2.36	1.46	1.51
14	b	808	CLA	CMB-C2B	-2.36	1.46	1.51
18	v	102	LHG	O8-C23	2.36	1.40	1.33
14	N	827	CLA	CMB-C2B	-2.36	1.46	1.51
14	b	825	CLA	CMB-C2B	-2.36	1.46	1.51
14	b	832	CLA	CMB-C2B	-2.36	1.46	1.51
14	G	822	CLA	CMB-C2B	-2.36	1.46	1.51
14	N	824	CLA	CMB-C2B	-2.35	1.46	1.51
18	S	202	LHG	O8-C23	2.35	1.40	1.33
14	b	806	CLA	CMB-C2B	-2.35	1.46	1.51
18	A	850	LHG	O8-C6	-2.35	1.39	1.45
19	a	851	CL0	C3D-C4D	-2.35	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	809	CLA	CMB-C2B	-2.35	1.46	1.51
19	a	851	CL0	MG-NA	-2.35	2.00	2.06
14	B	836	CLA	CMB-C2B	-2.35	1.46	1.51
14	g	801	CLA	CMB-C2B	-2.34	1.46	1.51
14	B	806	CLA	CMB-C2B	-2.34	1.46	1.51
18	m	101	LHG	O8-C6	-2.34	1.39	1.45
18	A	850	LHG	O7-C5	-2.33	1.40	1.46
18	X	1702	LHG	O8-C23	2.33	1.40	1.33
14	g	826	CLA	CMB-C2B	-2.33	1.46	1.51
18	v	102	LHG	O8-C6	-2.33	1.39	1.45
14	N	834	CLA	CMD-C2D	-2.33	1.45	1.50
19	A	852	CL0	C3D-C4D	-2.32	1.38	1.44
18	m	101	LHG	O8-C23	2.32	1.40	1.33
17	I	102	BCR	C30-C25	-2.32	1.50	1.53
18	A	850	LHG	O8-C23	2.31	1.40	1.33
18	g	849	LHG	O8-C23	2.31	1.40	1.33
18	S	202	LHG	O8-C6	-2.31	1.39	1.45
14	B	830	CLA	CMD-C2D	-2.30	1.45	1.50
19	a	851	CL0	C1C-C2C	2.29	1.49	1.44
18	G	849	LHG	O7-C7	2.29	1.40	1.34
19	a	851	CL0	C4C-C3C	2.29	1.49	1.45
18	m	101	LHG	O7-C7	2.28	1.40	1.34
18	A	851	LHG	O8-C23	2.28	1.40	1.33
14	N	826	CLA	CMC-C2C	-2.28	1.46	1.50
19	G	851	CL0	C3D-C4D	-2.28	1.39	1.44
18	G	849	LHG	O8-C23	2.28	1.40	1.33
14	N	831	CLA	CMD-C2D	-2.28	1.46	1.50
18	a	849	LHG	O7-C7	2.27	1.40	1.34
18	a	849	LHG	O8-C23	2.27	1.40	1.33
18	a	850	LHG	O7-C5	-2.27	1.40	1.46
18	G	850	LHG	O7-C7	2.27	1.40	1.34
18	S	202	LHG	O7-C7	2.27	1.40	1.34
18	A	851	LHG	O7-C7	2.27	1.40	1.34
18	g	850	LHG	O8-C23	2.26	1.39	1.33
18	G	850	LHG	O8-C23	2.26	1.39	1.33
18	g	849	LHG	O7-C7	2.26	1.40	1.34
18	v	102	LHG	O7-C7	2.26	1.40	1.34
19	A	852	CL0	MG-NA	-2.26	2.00	2.06
14	g	852	CLA	CMC-C2C	-2.25	1.46	1.50
17	n	847	BCR	C30-C25	-2.25	1.50	1.53
14	a	807	CLA	CMD-C2D	-2.25	1.46	1.50
14	A	826	CLA	CMC-C2C	-2.24	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	830	CLA	CMD-C2D	-2.24	1.46	1.50
18	G	850	LHG	O7-C5	-2.24	1.41	1.46
18	X	1702	LHG	O7-C5	-2.24	1.41	1.46
17	g	847	BCR	C1-C6	-2.23	1.50	1.53
18	g	850	LHG	O7-C5	-2.23	1.41	1.46
18	g	850	LHG	O7-C7	2.23	1.40	1.34
18	X	1702	LHG	O7-C7	2.23	1.40	1.34
14	n	829	CLA	CMD-C2D	-2.23	1.46	1.50
19	G	851	CL0	MG-NA	-2.23	2.01	2.06
19	a	851	CL0	C4B-CHC	2.22	1.47	1.41
18	S	202	LHG	O7-C5	-2.22	1.41	1.46
19	g	851	CL0	C3D-C4D	-2.22	1.39	1.44
18	G	849	LHG	O7-C5	-2.21	1.41	1.46
18	v	102	LHG	O7-C5	-2.21	1.41	1.46
17	a	847	BCR	C30-C25	-2.21	1.50	1.53
18	a	849	LHG	O7-C5	-2.21	1.41	1.46
18	A	850	LHG	O7-C7	2.20	1.40	1.34
14	A	855	CLA	CMD-C2D	-2.20	1.46	1.50
18	g	849	LHG	O7-C5	-2.20	1.41	1.46
18	A	851	LHG	O7-C5	-2.19	1.41	1.46
18	a	850	LHG	O7-C7	2.19	1.40	1.34
20	h	1702	SQD	O9-S	2.19	1.51	1.45
20	l	201	SQD	O9-S	2.19	1.51	1.45
14	b	802	CLA	CMD-C2D	-2.19	1.46	1.50
20	b	801	SQD	O9-S	2.19	1.51	1.45
14	G	826	CLA	CMC-C2C	-2.19	1.46	1.50
18	a	850	LHG	O8-C23	2.18	1.39	1.33
19	A	852	CL0	C1C-C2C	2.18	1.48	1.44
20	n	801	SQD	O9-S	2.17	1.51	1.45
19	g	851	CL0	C4D-CHA	2.17	1.46	1.38
14	n	829	CLA	CMB-C2B	-2.17	1.47	1.51
14	G	824	CLA	CMD-C2D	-2.17	1.46	1.50
14	g	854	CLA	CMD-C2D	-2.17	1.46	1.50
14	N	831	CLA	CMB-C2B	-2.17	1.47	1.51
19	G	851	CL0	C1C-C2C	2.17	1.48	1.44
14	n	804	CLA	CMC-C2C	-2.17	1.46	1.50
14	G	808	CLA	CMD-C2D	-2.16	1.46	1.50
20	B	801	SQD	O9-S	2.16	1.51	1.45
14	N	826	CLA	CMD-C2D	-2.16	1.46	1.50
20	x	1702	SQD	O9-S	2.16	1.51	1.45
18	m	101	LHG	O7-C5	-2.15	1.41	1.46
14	a	852	CLA	CMD-C2D	-2.15	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	w	202	SQD	O9-S	2.15	1.51	1.45
14	g	840	CLA	CMD-C2D	-2.14	1.46	1.50
14	N	816	CLA	CMD-C2D	-2.14	1.46	1.50
14	G	852	CLA	CMD-C2D	-2.14	1.46	1.50
17	a	847	BCR	C1-C6	-2.14	1.50	1.53
14	B	830	CLA	CMB-C2B	-2.14	1.47	1.51
14	n	803	CLA	CMD-C2D	-2.13	1.46	1.50
14	g	809	CLA	CMD-C2D	-2.13	1.46	1.50
14	N	819	CLA	C3B-CAB	-2.13	1.43	1.47
14	b	818	CLA	CMD-C2D	-2.13	1.46	1.50
19	a	851	CL0	C4D-CHA	2.13	1.46	1.38
14	G	810	CLA	CMD-C2D	-2.13	1.46	1.50
14	g	839	CLA	CMD-C2D	-2.13	1.46	1.50
14	B	815	CLA	CMD-C2D	-2.13	1.46	1.50
14	g	807	CLA	CMD-C2D	-2.13	1.46	1.50
20	H	1702	SQD	O9-S	2.12	1.51	1.45
14	a	828	CLA	CMB-C2B	-2.12	1.47	1.51
14	g	803	CLA	CMD-C2D	-2.12	1.46	1.50
19	G	851	CL0	C4D-CHA	2.12	1.45	1.38
14	N	839	CLA	CMD-C2D	-2.12	1.46	1.50
14	N	841	CLA	CMD-C2D	-2.12	1.46	1.50
14	A	855	CLA	C3B-CAB	-2.12	1.43	1.47
19	A	852	CL0	C4D-CHA	2.12	1.45	1.38
14	N	801	CLA	CMD-C2D	-2.12	1.46	1.50
19	A	852	CL0	C4B-CHC	2.11	1.46	1.41
14	g	827	CLA	CMD-C2D	-2.11	1.46	1.50
14	B	840	CLA	CMD-C2D	-2.11	1.46	1.50
14	b	809	CLA	CMD-C2D	-2.11	1.46	1.50
19	G	851	CL0	C4C-C3C	2.11	1.48	1.45
14	a	827	CLA	CMD-C2D	-2.11	1.46	1.50
14	A	804	CLA	CMD-C2D	-2.11	1.46	1.50
14	G	826	CLA	CMD-C2D	-2.11	1.46	1.50
14	k	101	CLA	CBD-CAD	2.11	1.56	1.51
14	u	101	CLA	CBD-CAD	2.11	1.56	1.51
14	j	102	CLA	CBD-CAD	2.11	1.56	1.51
19	a	851	CL0	C1B-CHB	2.10	1.46	1.41
14	K	101	CLA	CBD-CAD	2.10	1.56	1.51
14	N	806	CLA	CMD-C2D	-2.10	1.46	1.50
20	h	1702	SQD	O7-S	2.10	1.51	1.45
14	t	102	CLA	CBD-CAD	2.10	1.56	1.51
20	w	202	SQD	O7-S	2.10	1.51	1.45
14	n	826	CLA	CMC-C2C	-2.10	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	809	CLA	CMD-C2D	-2.10	1.46	1.50
14	A	824	CLA	CMD-C2D	-2.10	1.46	1.50
18	v	102	LHG	P-O6	2.10	1.67	1.59
14	T	102	CLA	CBD-CAD	2.10	1.56	1.51
14	G	828	CLA	CMD-C2D	-2.10	1.46	1.50
14	n	810	CLA	CMD-C2D	-2.10	1.46	1.50
14	G	817	CLA	CMD-C2D	-2.10	1.46	1.50
14	A	808	CLA	CMD-C2D	-2.09	1.46	1.50
20	B	801	SQD	O7-S	2.09	1.51	1.45
20	l	201	SQD	O7-S	2.09	1.51	1.45
14	b	831	CLA	CMD-C2D	-2.09	1.46	1.50
14	W	203	CLA	CMD-C2D	-2.09	1.46	1.50
14	b	841	CLA	C3B-C2B	-2.09	1.37	1.40
14	g	852	CLA	C3B-C2B	-2.09	1.37	1.40
14	B	804	CLA	CMD-C2D	-2.09	1.46	1.50
14	b	803	CLA	CMC-C2C	-2.09	1.46	1.50
19	g	851	CL0	C4C-C3C	2.09	1.48	1.45
14	g	831	CLA	CMD-C2D	-2.09	1.46	1.50
14	A	812	CLA	CMD-C2D	-2.09	1.46	1.50
18	m	101	LHG	P-O6	2.09	1.67	1.59
14	A	855	CLA	C3B-C2B	-2.09	1.37	1.40
14	g	824	CLA	CMD-C2D	-2.09	1.46	1.50
14	A	840	CLA	CMD-C2D	-2.09	1.46	1.50
20	b	801	SQD	O7-S	2.09	1.51	1.45
14	g	825	CLA	CMC-C2C	-2.09	1.46	1.50
14	B	818	CLA	CMD-C2D	-2.09	1.46	1.50
14	b	840	CLA	CMD-C2D	-2.09	1.46	1.50
20	H	1702	SQD	O7-S	2.09	1.51	1.45
14	B	841	CLA	CMD-C2D	-2.09	1.46	1.50
14	B	809	CLA	CMD-C2D	-2.09	1.46	1.50
14	N	812	CLA	CMD-C2D	-2.08	1.46	1.50
14	B	833	CLA	CMD-C2D	-2.08	1.46	1.50
14	a	803	CLA	CMD-C2D	-2.08	1.46	1.50
14	A	837	CLA	CMD-C2D	-2.08	1.46	1.50
14	L	1501	CLA	CMD-C2D	-2.08	1.46	1.50
14	n	802	CLA	CMD-C2D	-2.08	1.46	1.50
18	S	202	LHG	P-O6	2.08	1.67	1.59
14	A	810	CLA	CMD-C2D	-2.08	1.46	1.50
14	b	827	CLA	CMC-C2C	-2.08	1.46	1.50
14	J	102	CLA	CBD-CAD	2.08	1.56	1.51
20	n	801	SQD	O7-S	2.08	1.51	1.45
14	A	807	CLA	CMD-C2D	-2.08	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	823	CLA	CMD-C2D	-2.08	1.46	1.50
14	n	852	CLA	CMD-C2D	-2.08	1.46	1.50
14	B	838	CLA	CMD-C2D	-2.08	1.46	1.50
17	g	847	BCR	C30-C25	-2.08	1.50	1.53
14	N	841	CLA	CMC-C2C	-2.08	1.46	1.50
14	G	836	CLA	CMD-C2D	-2.08	1.46	1.50
14	N	830	CLA	CMD-C2D	-2.08	1.46	1.50
14	N	836	CLA	CMD-C2D	-2.08	1.46	1.50
14	g	828	CLA	CMD-C2D	-2.08	1.46	1.50
14	G	852	CLA	C3B-C2B	-2.08	1.37	1.40
18	X	1702	LHG	P-O6	2.08	1.67	1.59
14	A	833	CLA	CMD-C2D	-2.08	1.46	1.50
14	G	804	CLA	CMD-C2D	-2.08	1.46	1.50
14	B	831	CLA	CMD-C2D	-2.08	1.46	1.50
14	g	806	CLA	CMD-C2D	-2.07	1.46	1.50
14	s	201	CLA	CMD-C2D	-2.07	1.46	1.50
14	N	819	CLA	CMD-C2D	-2.07	1.46	1.50
14	b	804	CLA	CMD-C2D	-2.07	1.46	1.50
14	n	808	CLA	CMD-C2D	-2.07	1.46	1.50
14	b	812	CLA	CMD-C2D	-2.07	1.46	1.50
14	n	817	CLA	CMD-C2D	-2.07	1.46	1.50
14	n	804	CLA	C3B-C2B	-2.07	1.37	1.40
14	b	815	CLA	CMD-C2D	-2.07	1.46	1.50
14	a	801	CLA	CMD-C2D	-2.07	1.46	1.50
14	B	821	CLA	CMD-C2D	-2.07	1.46	1.50
14	U	101	CLA	CMD-C2D	-2.07	1.46	1.50
14	B	811	CLA	CMD-C2D	-2.07	1.46	1.50
14	B	841	CLA	C3B-C2B	-2.07	1.37	1.40
14	G	834	CLA	CMD-C2D	-2.07	1.46	1.50
18	g	849	LHG	P-O6	2.07	1.67	1.59
17	N	853	BCR	C30-C25	-2.07	1.50	1.53
14	N	837	CLA	CMD-C2D	-2.07	1.46	1.50
14	F	201	CLA	CMD-C2D	-2.06	1.46	1.50
14	n	839	CLA	CMD-C2D	-2.06	1.46	1.50
14	N	824	CLA	CMD-C2D	-2.06	1.46	1.50
19	G	851	CL0	C4B-CHC	2.06	1.46	1.41
18	A	851	LHG	P-O6	2.06	1.67	1.59
14	B	832	CLA	CMD-C2D	-2.06	1.46	1.50
14	n	814	CLA	CMD-C2D	-2.06	1.46	1.50
14	B	825	CLA	CMD-C2D	-2.06	1.46	1.50
14	b	841	CLA	CMD-C2D	-2.06	1.46	1.50
14	G	853	CLA	CMD-C2D	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	a	821	CLA	CMD-C2D	-2.06	1.46	1.50
14	g	822	CLA	CMD-C2D	-2.06	1.46	1.50
18	G	849	LHG	P-O6	2.06	1.67	1.59
14	A	801	CLA	CMD-C2D	-2.06	1.46	1.50
14	N	827	CLA	CMD-C2D	-2.06	1.46	1.50
14	g	837	CLA	CMD-C2D	-2.06	1.46	1.50
14	S	201	CLA	CMD-C2D	-2.06	1.46	1.50
14	n	837	CLA	CMD-C2D	-2.06	1.46	1.50
14	G	831	CLA	CMD-C2D	-2.06	1.46	1.50
14	N	807	CLA	CMD-C2D	-2.05	1.46	1.50
14	g	854	CLA	C3B-C2B	-2.05	1.37	1.40
14	g	816	CLA	CMD-C2D	-2.05	1.46	1.50
14	H	1701	CLA	CMD-C2D	-2.05	1.46	1.50
14	g	852	CLA	C3B-CAB	-2.05	1.43	1.47
14	g	820	CLA	CMD-C2D	-2.05	1.46	1.50
14	a	816	CLA	CMD-C2D	-2.05	1.46	1.50
14	N	805	CLA	CMC-C2C	-2.05	1.46	1.50
14	N	818	CLA	CMD-C2D	-2.05	1.46	1.50
14	n	809	CLA	CMD-C2D	-2.05	1.46	1.50
14	A	805	CLA	CMD-C2D	-2.05	1.46	1.50
14	W	202	CLA	CMD-C2D	-2.05	1.46	1.50
14	a	853	CLA	CMD-C2D	-2.05	1.46	1.50
14	b	826	CLA	CMD-C2D	-2.05	1.46	1.50
20	x	1702	SQD	O7-S	2.05	1.51	1.45
14	A	828	CLA	CMD-C2D	-2.05	1.46	1.50
14	G	819	CLA	CMD-C2D	-2.05	1.46	1.50
14	g	823	CLA	CMD-C2D	-2.05	1.46	1.50
14	X	1701	CLA	CMD-C2D	-2.05	1.46	1.50
14	G	852	CLA	C3B-CAB	-2.05	1.43	1.47
14	L	1502	CLA	CMD-C2D	-2.05	1.46	1.50
14	U	101	CLA	CBD-CAD	2.05	1.56	1.51
14	b	838	CLA	CMD-C2D	-2.05	1.46	1.50
14	G	802	CLA	CMD-C2D	-2.05	1.46	1.50
14	N	804	CLA	CMD-C2D	-2.05	1.46	1.50
14	A	817	CLA	CMC-C2C	-2.05	1.46	1.50
14	n	828	CLA	CMD-C2D	-2.05	1.46	1.50
14	g	832	CLA	CMD-C2D	-2.05	1.46	1.50
14	A	819	CLA	CMD-C2D	-2.05	1.46	1.50
14	B	809	CLA	CMC-C2C	-2.04	1.46	1.50
14	b	811	CLA	CMD-C2D	-2.04	1.46	1.50
14	b	825	CLA	CMD-C2D	-2.04	1.46	1.50
19	g	851	CL0	C4B-CHC	2.04	1.46	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	816	CLA	CMC-C2C	-2.04	1.46	1.50
14	N	805	CLA	CMD-C2D	-2.04	1.46	1.50
18	a	849	LHG	P-O6	2.04	1.67	1.59
14	b	805	CLA	C3B-CAB	-2.04	1.43	1.47
14	G	852	CLA	CMC-C2C	-2.04	1.46	1.50
14	A	819	CLA	CMC-C2C	-2.04	1.46	1.50
14	b	832	CLA	CMD-C2D	-2.04	1.46	1.50
14	g	836	CLA	CMD-C2D	-2.04	1.46	1.50
14	L	1503	CLA	CMD-C2D	-2.04	1.46	1.50
14	G	840	CLA	CMD-C2D	-2.04	1.46	1.50
14	k	101	CLA	CMD-C2D	-2.04	1.46	1.50
14	n	825	CLA	CMD-C2D	-2.04	1.46	1.50
14	g	801	CLA	CMD-C2D	-2.04	1.46	1.50
14	N	815	CLA	CMD-C2D	-2.04	1.46	1.50
14	A	812	CLA	CMC-C2C	-2.04	1.46	1.50
14	G	827	CLA	CMD-C2D	-2.04	1.46	1.50
14	G	839	CLA	CMD-C2D	-2.04	1.46	1.50
14	K	101	CLA	CMD-C2D	-2.04	1.46	1.50
14	A	802	CLA	CMD-C2D	-2.04	1.46	1.50
14	a	832	CLA	CMD-C2D	-2.04	1.46	1.50
14	a	838	CLA	CMD-C2D	-2.04	1.46	1.50
14	b	851	CLA	CMD-C2D	-2.04	1.46	1.50
14	n	827	CLA	CMD-C2D	-2.04	1.46	1.50
14	A	855	CLA	CMC-C2C	-2.04	1.46	1.50
14	B	803	CLA	CMD-C2D	-2.04	1.46	1.50
14	a	811	CLA	CMD-C2D	-2.04	1.46	1.50
14	b	834	CLA	CMD-C2D	-2.04	1.46	1.50
19	g	851	CL0	C1C-C2C	2.04	1.48	1.44
14	G	825	CLA	CMD-C2D	-2.04	1.46	1.50
14	G	832	CLA	CMD-C2D	-2.04	1.46	1.50
14	N	815	CLA	CMC-C2C	-2.04	1.46	1.50
14	B	810	CLA	CMD-C2D	-2.04	1.46	1.50
18	A	850	LHG	P-O6	2.04	1.67	1.59
14	b	805	CLA	C3B-C2B	-2.04	1.37	1.40
14	G	829	CLA	CMD-C2D	-2.03	1.46	1.50
14	A	830	CLA	CMD-C2D	-2.03	1.46	1.50
17	G	847	BCR	C30-C25	-2.03	1.51	1.53
14	A	838	CLA	CMD-C2D	-2.03	1.46	1.50
14	b	807	CLA	CMD-C2D	-2.03	1.46	1.50
14	b	829	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	831	CLA	CMD-C2D	-2.03	1.46	1.50
14	g	814	CLA	CMD-C2D	-2.03	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	N	810	CLA	CMD-C2D	-2.03	1.46	1.50
14	u	101	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	823	CLA	CMD-C2D	-2.03	1.46	1.50
14	A	816	CLA	CMD-C2D	-2.03	1.46	1.50
14	b	816	CLA	CMD-C2D	-2.03	1.46	1.50
14	G	838	CLA	CMD-C2D	-2.03	1.46	1.50
14	B	829	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	824	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	819	CLA	CMC-C2C	-2.03	1.46	1.50
14	g	833	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	820	CLA	CMD-C2D	-2.03	1.46	1.50
14	B	816	CLA	CMD-C2D	-2.03	1.46	1.50
14	f	201	CLA	CMD-C2D	-2.03	1.46	1.50
14	G	816	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	830	CLA	CMD-C2D	-2.03	1.46	1.50
14	B	805	CLA	CMD-C2D	-2.03	1.46	1.50
14	w	205	CLA	CMD-C2D	-2.03	1.46	1.50
14	B	837	CLA	CMC-C2C	-2.03	1.46	1.50
14	G	822	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	808	CLA	CMC-C2C	-2.03	1.46	1.50
14	A	834	CLA	CMD-C2D	-2.03	1.46	1.50
14	g	812	CLA	CMD-C2D	-2.03	1.46	1.50
14	n	805	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	820	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	835	CLA	CMD-C2D	-2.03	1.46	1.50
14	B	806	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	828	CLA	CMD-C2D	-2.03	1.46	1.50
14	j	101	CLA	CMD-C2D	-2.03	1.46	1.50
14	B	817	CLA	CMD-C2D	-2.03	1.46	1.50
14	a	826	CLA	CMD-C2D	-2.03	1.46	1.50
14	S	201	CLA	CMC-C2C	-2.02	1.46	1.50
14	n	833	CLA	CMD-C2D	-2.02	1.46	1.50
14	B	834	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	818	CLA	CMD-C2D	-2.02	1.46	1.50
14	G	821	CLA	CMD-C2D	-2.02	1.46	1.50
14	n	815	CLA	CMD-C2D	-2.02	1.46	1.50
14	b	808	CLA	CMD-C2D	-2.02	1.46	1.50
14	N	822	CLA	CMD-C2D	-2.02	1.46	1.50
19	A	852	CL0	C4C-C3C	2.02	1.48	1.45
14	N	835	CLA	CMD-C2D	-2.02	1.46	1.50
14	G	803	CLA	CMC-C2C	-2.02	1.46	1.50
14	B	835	CLA	CMD-C2D	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	823	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	817	CLA	CMD-C2D	-2.02	1.46	1.50
14	b	809	CLA	CMC-C2C	-2.02	1.46	1.50
18	g	850	LHG	P-O6	2.02	1.67	1.59
14	G	835	CLA	CMD-C2D	-2.02	1.46	1.50
14	g	803	CLA	CMC-C2C	-2.02	1.46	1.50
14	g	830	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	805	CLA	CMD-C2D	-2.02	1.46	1.50
14	B	824	CLA	CMD-C2D	-2.02	1.46	1.50
14	B	827	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	840	CLA	CMD-C2D	-2.02	1.46	1.50
14	N	814	CLA	CMD-C2D	-2.02	1.46	1.50
14	A	820	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	814	CLA	CMD-C2D	-2.02	1.46	1.50
14	b	822	CLA	CMD-C2D	-2.02	1.46	1.50
14	n	824	CLA	CMD-C2D	-2.02	1.46	1.50
14	B	805	CLA	CMC-C2C	-2.02	1.46	1.50
14	N	806	CLA	CMC-C2C	-2.02	1.46	1.50
14	n	836	CLA	CMD-C2D	-2.02	1.46	1.50
14	n	850	CLA	CMC-C2C	-2.02	1.46	1.50
14	A	854	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	806	CLA	CMD-C2D	-2.02	1.46	1.50
14	w	204	CLA	CMD-C2D	-2.02	1.46	1.50
20	b	801	SQD	C8-C7	2.02	1.56	1.50
14	G	809	CLA	CMD-C2D	-2.02	1.46	1.50
14	N	838	CLA	CMD-C2D	-2.02	1.46	1.50
14	A	832	CLA	CMD-C2D	-2.02	1.46	1.50
14	b	806	CLA	CMD-C2D	-2.02	1.46	1.50
14	n	835	CLA	CMD-C2D	-2.02	1.46	1.50
14	h	1701	CLA	CMD-C2D	-2.02	1.46	1.50
14	b	814	CLA	CMD-C2D	-2.02	1.46	1.50
14	W	204	CLA	CMD-C2D	-2.02	1.46	1.50
14	A	829	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	829	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	837	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	854	CLA	CMD-C2D	-2.02	1.46	1.50
14	G	818	CLA	CMD-C2D	-2.02	1.46	1.50
14	g	838	CLA	CMD-C2D	-2.02	1.46	1.50
14	B	837	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	825	CLA	CMD-C2D	-2.02	1.46	1.50
14	a	833	CLA	CMD-C2D	-2.02	1.46	1.50
14	g	802	CLA	CMD-C2D	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	G	807	CLA	CMD-C2D	-2.01	1.46	1.50
14	n	838	CLA	CMD-C2D	-2.01	1.46	1.50
14	n	834	CLA	CMD-C2D	-2.01	1.46	1.50
14	a	802	CLA	CMD-C2D	-2.01	1.46	1.50
14	j	102	CLA	CMD-C2D	-2.01	1.46	1.50
14	l	203	CLA	CMD-C2D	-2.01	1.46	1.50
14	N	824	CLA	CMC-C2C	-2.01	1.46	1.50
14	g	825	CLA	CMD-C2D	-2.01	1.46	1.50
14	b	835	CLA	CMD-C2D	-2.01	1.46	1.50
14	J	102	CLA	CMD-C2D	-2.01	1.46	1.50
14	B	813	CLA	CMD-C2D	-2.01	1.46	1.50
20	n	801	SQD	C8-C7	2.01	1.56	1.50
14	J	101	CLA	CMD-C2D	-2.01	1.46	1.50
14	A	804	CLA	CMC-C2C	-2.01	1.46	1.50
14	n	852	CLA	CMC-C2C	-2.01	1.46	1.50
14	B	823	CLA	CMD-C2D	-2.01	1.46	1.50
14	a	836	CLA	CMD-C2D	-2.01	1.46	1.50
14	N	809	CLA	CMD-C2D	-2.01	1.46	1.50
14	n	813	CLA	CMD-C2D	-2.01	1.46	1.50
14	G	823	CLA	CMD-C2D	-2.01	1.46	1.50
14	A	825	CLA	CMD-C2D	-2.01	1.46	1.50
14	B	836	CLA	CMD-C2D	-2.01	1.46	1.50
14	b	817	CLA	CMD-C2D	-2.01	1.46	1.50
14	B	839	CLA	CMD-C2D	-2.01	1.46	1.50
14	N	811	CLA	CMD-C2D	-2.01	1.46	1.50
14	n	809	CLA	CMC-C2C	-2.01	1.46	1.50
18	G	850	LHG	P-O6	2.01	1.67	1.59
14	n	840	CLA	CMD-C2D	-2.01	1.46	1.50
14	n	850	CLA	CMD-C2D	-2.01	1.46	1.50
14	a	815	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	832	CLA	C3B-C2B	-2.01	1.37	1.40
14	N	804	CLA	CMC-C2C	-2.01	1.46	1.50
14	S	203	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	804	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	805	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	811	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	853	CLA	CMD-C2D	-2.01	1.46	1.50
14	B	841	CLA	CMC-C2C	-2.01	1.46	1.50
14	b	851	CLA	CMC-C2C	-2.01	1.46	1.50
14	G	829	CLA	CMC-C2C	-2.01	1.46	1.50
14	A	811	CLA	CMD-C2D	-2.01	1.46	1.50
14	n	819	CLA	CMD-C2D	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	808	CLA	CMD-C2D	-2.01	1.46	1.50
14	B	819	CLA	CMD-C2D	-2.01	1.46	1.50
14	a	830	CLA	CMD-C2D	-2.01	1.46	1.50
14	b	810	CLA	CMD-C2D	-2.01	1.46	1.50
14	a	831	CLA	CMD-C2D	-2.01	1.46	1.50
14	F	202	CLA	CMD-C2D	-2.01	1.46	1.50
14	G	817	CLA	C3B-CAB	-2.01	1.43	1.47
14	T	102	CLA	CMD-C2D	-2.01	1.46	1.50
14	g	813	CLA	CMD-C2D	-2.01	1.46	1.50
14	w	203	CLA	CMD-C2D	-2.01	1.46	1.50
14	a	825	CLA	CMC-C2C	-2.01	1.46	1.50
14	B	814	CLA	CMD-C2D	-2.01	1.46	1.50
14	B	803	CLA	CMC-C2C	-2.01	1.46	1.50
14	b	821	CLA	CMD-C2D	-2.01	1.46	1.50
14	b	833	CLA	CMD-C2D	-2.01	1.46	1.50
14	G	840	CLA	CMC-C2C	-2.00	1.46	1.50
14	g	810	CLA	CMD-C2D	-2.00	1.46	1.50
14	A	839	CLA	CMD-C2D	-2.00	1.46	1.50
14	G	801	CLA	CMD-C2D	-2.00	1.46	1.50
14	n	813	CLA	CMC-C2C	-2.00	1.46	1.50
14	B	814	CLA	CMC-C2C	-2.00	1.46	1.50
14	a	839	CLA	CMD-C2D	-2.00	1.46	1.50
14	g	821	CLA	CMD-C2D	-2.00	1.46	1.50
14	A	857	CLA	CMD-C2D	-2.00	1.46	1.50
14	a	813	CLA	CMD-C2D	-2.00	1.46	1.50
14	b	820	CLA	CMD-C2D	-2.00	1.46	1.50
14	b	828	CLA	CMD-C2D	-2.00	1.46	1.50
14	G	852	CLA	MG-ND	-2.00	2.01	2.05
14	N	825	CLA	CMD-C2D	-2.00	1.46	1.50
14	A	835	CLA	CMD-C2D	-2.00	1.46	1.50
14	B	812	CLA	CMD-C2D	-2.00	1.46	1.50
14	G	814	CLA	CMD-C2D	-2.00	1.46	1.50
14	g	811	CLA	CMC-C2C	-2.00	1.46	1.50
14	B	817	CLA	CMC-C2C	-2.00	1.46	1.50
14	b	813	CLA	CMD-C2D	-2.00	1.46	1.50
18	a	850	LHG	P-O6	2.00	1.67	1.59
14	B	822	CLA	CMD-C2D	-2.00	1.46	1.50
14	b	804	CLA	CMC-C2C	-2.00	1.46	1.50
14	n	811	CLA	CMD-C2D	-2.00	1.46	1.50

All (4467) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	I	102	BCR	C16-C17-C18	-10.26	112.67	127.31
17	a	846	BCR	C24-C23-C22	-9.63	111.68	126.23
17	I	102	BCR	C24-C23-C22	-9.44	111.97	126.23
17	a	846	BCR	C16-C17-C18	-9.07	114.36	127.31
17	W	201	BCR	C20-C21-C22	-8.72	114.86	127.31
17	b	846	BCR	C15-C14-C13	-7.92	116.00	127.31
17	g	846	BCR	C7-C8-C9	-7.70	114.60	126.23
17	W	201	BCR	C24-C23-C22	-7.33	115.17	126.23
14	a	807	CLA	C4A-NA-C1A	7.29	109.98	106.71
17	B	844	BCR	C16-C17-C18	-7.11	117.17	127.31
14	B	827	CLA	C4A-NA-C1A	7.06	109.88	106.71
14	n	840	CLA	C4A-NA-C1A	7.06	109.88	106.71
14	B	809	CLA	C4A-NA-C1A	7.01	109.86	106.71
14	N	831	CLA	C4A-NA-C1A	6.98	109.84	106.71
14	N	828	CLA	C4A-NA-C1A	6.97	109.84	106.71
14	W	202	CLA	C4A-NA-C1A	6.95	109.83	106.71
14	N	834	CLA	C4A-NA-C1A	6.91	109.81	106.71
14	A	826	CLA	C4A-NA-C1A	6.91	109.81	106.71
14	a	818	CLA	C4A-NA-C1A	6.91	109.81	106.71
14	N	810	CLA	C4A-NA-C1A	6.91	109.81	106.71
14	B	838	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	N	842	CLA	C4A-NA-C1A	6.90	109.81	106.71
14	A	804	CLA	C4A-NA-C1A	6.89	109.80	106.71
17	g	846	BCR	C15-C14-C13	-6.87	117.51	127.31
14	n	816	CLA	C4A-NA-C1A	6.85	109.79	106.71
14	b	841	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	G	824	CLA	C4A-NA-C1A	6.84	109.78	106.71
14	g	807	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	a	820	CLA	C4A-NA-C1A	6.81	109.77	106.71
14	a	830	CLA	C4A-NA-C1A	6.81	109.77	106.71
14	b	803	CLA	C4A-NA-C1A	6.79	109.76	106.71
14	G	823	CLA	C4A-NA-C1A	6.78	109.75	106.71
14	B	841	CLA	C4A-NA-C1A	6.77	109.75	106.71
14	a	828	CLA	C4A-NA-C1A	6.77	109.75	106.71
14	G	821	CLA	C4A-NA-C1A	6.76	109.75	106.71
14	b	851	CLA	C4A-NA-C1A	6.76	109.75	106.71
14	B	817	CLA	C4A-NA-C1A	6.76	109.75	106.71
14	B	833	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	a	812	CLA	C4A-NA-C1A	6.75	109.74	106.71
14	B	830	CLA	C4A-NA-C1A	6.74	109.74	106.71
14	A	819	CLA	C4A-NA-C1A	6.74	109.74	106.71
14	b	817	CLA	C4A-NA-C1A	6.74	109.74	106.71
14	G	819	CLA	C4A-NA-C1A	6.74	109.73	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	838	CLA	C4A-NA-C1A	6.74	109.73	106.71
14	B	822	CLA	C4A-NA-C1A	6.74	109.73	106.71
14	G	822	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	A	815	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	A	823	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	a	838	CLA	C4A-NA-C1A	6.72	109.73	106.71
14	W	203	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	H	1701	CLA	C4A-NA-C1A	6.71	109.72	106.71
14	g	801	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	a	839	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	N	816	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	n	829	CLA	C4A-NA-C1A	6.70	109.72	106.71
14	A	822	CLA	C4A-NA-C1A	6.69	109.71	106.71
14	g	828	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	g	830	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	b	827	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	g	814	CLA	C4A-NA-C1A	6.68	109.71	106.71
14	g	812	CLA	C4A-NA-C1A	6.67	109.71	106.71
14	A	816	CLA	C4A-NA-C1A	6.67	109.71	106.71
14	A	806	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	B	821	CLA	C4A-NA-C1A	6.67	109.70	106.71
14	A	813	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	G	808	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	G	816	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	A	814	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	B	812	CLA	C4A-NA-C1A	6.66	109.70	106.71
14	A	854	CLA	C4A-NA-C1A	6.65	109.69	106.71
14	N	839	CLA	C4A-NA-C1A	6.65	109.69	106.71
14	x	1701	CLA	C4A-NA-C1A	6.65	109.69	106.71
14	b	821	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	L	1501	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	g	837	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	g	840	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	A	807	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	a	815	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	B	816	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	a	806	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	A	835	CLA	C4A-NA-C1A	6.63	109.69	106.71
14	A	836	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	B	815	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	a	840	CLA	C4A-NA-C1A	6.62	109.68	106.71
14	A	829	CLA	C4A-NA-C1A	6.61	109.68	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	805	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	b	834	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	G	829	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	b	838	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	g	816	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	s	201	CLA	C4A-NA-C1A	6.61	109.68	106.71
14	G	835	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	N	836	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	G	830	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	G	838	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	N	823	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	b	822	CLA	C4A-NA-C1A	6.60	109.67	106.71
14	G	809	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	g	806	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	b	809	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	X	1701	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	b	813	CLA	C4A-NA-C1A	6.59	109.67	106.71
14	A	808	CLA	C4A-NA-C1A	6.58	109.67	106.71
14	N	824	CLA	C4A-NA-C1A	6.58	109.67	106.71
14	g	838	CLA	C4A-NA-C1A	6.58	109.67	106.71
14	N	822	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	G	826	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	N	815	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	n	826	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	A	857	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	a	834	CLA	C4A-NA-C1A	6.58	109.66	106.71
14	A	803	CLA	C4A-NA-C1A	6.57	109.66	106.71
14	S	201	CLA	C4A-NA-C1A	6.57	109.66	106.71
14	g	805	CLA	C4A-NA-C1A	6.57	109.66	106.71
14	a	813	CLA	C4A-NA-C1A	6.57	109.66	106.71
14	G	853	CLA	C4A-NA-C1A	6.56	109.66	106.71
14	n	833	CLA	C4A-NA-C1A	6.56	109.66	106.71
14	l	202	CLA	C4A-NA-C1A	6.56	109.66	106.71
14	a	822	CLA	C4A-NA-C1A	6.56	109.65	106.71
14	B	835	CLA	C4A-NA-C1A	6.55	109.65	106.71
14	A	817	CLA	C4A-NA-C1A	6.55	109.65	106.71
14	a	816	CLA	C4A-NA-C1A	6.55	109.65	106.71
14	A	821	CLA	C4A-NA-C1A	6.55	109.65	106.71
14	n	813	CLA	C4A-NA-C1A	6.54	109.65	106.71
14	A	839	CLA	C4A-NA-C1A	6.54	109.65	106.71
14	g	834	CLA	C4A-NA-C1A	6.54	109.65	106.71
14	a	825	CLA	C4A-NA-C1A	6.54	109.65	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	820	CLA	C4A-NA-C1A	6.53	109.64	106.71
14	g	818	CLA	C4A-NA-C1A	6.53	109.64	106.71
14	g	839	CLA	C4A-NA-C1A	6.53	109.64	106.71
14	a	802	CLA	C4A-NA-C1A	6.53	109.64	106.71
14	G	814	CLA	C4A-NA-C1A	6.53	109.64	106.71
14	t	101	CLA	C4A-NA-C1A	6.53	109.64	106.71
17	B	851	BCR	C24-C23-C22	-6.53	116.37	126.23
14	g	815	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	n	837	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	U	101	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	h	1701	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	n	820	CLA	C4A-NA-C1A	6.52	109.64	106.71
14	a	814	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	u	101	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	g	825	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	N	837	CLA	C4A-NA-C1A	6.51	109.63	106.71
14	g	823	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	w	204	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	B	840	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	A	809	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	N	835	CLA	C4A-NA-C1A	6.50	109.63	106.71
14	G	839	CLA	C4A-NA-C1A	6.49	109.63	106.71
14	f	201	CLA	C4A-NA-C1A	6.49	109.63	106.71
14	A	811	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	B	813	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	G	807	CLA	C4A-NA-C1A	6.49	109.62	106.71
14	J	101	CLA	C4A-NA-C1A	6.48	109.62	106.71
14	G	827	CLA	C4A-NA-C1A	6.48	109.62	106.71
14	A	802	CLA	C4A-NA-C1A	6.48	109.62	106.71
14	G	813	CLA	C4A-NA-C1A	6.47	109.62	106.71
14	A	841	CLA	C4A-NA-C1A	6.47	109.62	106.71
14	G	836	CLA	C4A-NA-C1A	6.47	109.62	106.71
14	N	814	CLA	C4A-NA-C1A	6.47	109.61	106.71
14	G	832	CLA	C4A-NA-C1A	6.47	109.61	106.71
14	n	809	CLA	C4A-NA-C1A	6.47	109.61	106.71
14	a	837	CLA	C4A-NA-C1A	6.47	109.61	106.71
14	B	832	CLA	C4A-NA-C1A	6.47	109.61	106.71
14	N	840	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	N	826	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	B	819	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	G	802	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	b	832	CLA	C4A-NA-C1A	6.46	109.61	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	n	808	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	A	825	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	g	822	CLA	C4A-NA-C1A	6.45	109.61	106.71
17	i	102	BCR	C24-C23-C22	-6.45	116.49	126.23
14	G	804	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	G	810	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	g	835	CLA	C4A-NA-C1A	6.45	109.61	106.71
17	w	206	BCR	C24-C23-C22	-6.45	116.49	126.23
14	G	833	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	b	811	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	b	816	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	b	823	CLA	C4A-NA-C1A	6.45	109.61	106.71
14	T	101	CLA	C4A-NA-C1A	6.45	109.60	106.71
14	b	806	CLA	C4A-NA-C1A	6.45	109.60	106.71
14	N	811	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	N	813	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	g	808	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	g	832	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	n	821	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	A	810	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	g	827	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	u	102	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	n	822	CLA	C4A-NA-C1A	6.44	109.60	106.71
14	A	832	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	B	834	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	b	830	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	a	852	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	G	811	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	U	102	CLA	C4A-NA-C1A	6.43	109.60	106.71
14	B	823	CLA	C4A-NA-C1A	6.43	109.59	106.71
17	t	104	BCR	C20-C21-C22	-6.42	118.14	127.31
14	b	808	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	g	836	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	g	833	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	a	823	CLA	C4A-NA-C1A	6.42	109.59	106.71
14	N	809	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	n	806	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	n	834	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	g	820	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	B	831	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	n	835	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	b	807	CLA	C4A-NA-C1A	6.41	109.59	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	839	CLA	C4A-NA-C1A	6.41	109.59	106.71
14	n	807	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	a	826	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	L	1502	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	n	811	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	n	830	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	B	807	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	a	832	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	b	812	CLA	C4A-NA-C1A	6.40	109.58	106.71
14	a	801	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	n	839	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	n	815	CLA	C4A-NA-C1A	6.38	109.58	106.71
14	B	814	CLA	C4A-NA-C1A	6.38	109.58	106.71
14	k	101	CLA	C4A-NA-C1A	6.38	109.58	106.71
14	n	819	CLA	C4A-NA-C1A	6.38	109.57	106.71
14	b	819	CLA	C4A-NA-C1A	6.38	109.57	106.71
14	N	829	CLA	C4A-NA-C1A	6.38	109.57	106.71
14	n	805	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	a	809	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	a	833	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	G	805	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	N	818	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	N	821	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	n	825	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	a	819	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	N	817	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	g	802	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	b	815	CLA	C4A-NA-C1A	6.37	109.57	106.71
14	G	806	CLA	C4A-NA-C1A	6.36	109.57	106.71
14	b	835	CLA	C4A-NA-C1A	6.36	109.57	106.71
17	i	101	BCR	C7-C8-C9	-6.36	116.62	126.23
14	G	812	CLA	C4A-NA-C1A	6.36	109.56	106.71
14	B	828	CLA	C4A-NA-C1A	6.35	109.56	106.71
14	g	821	CLA	C4A-NA-C1A	6.35	109.56	106.71
14	n	850	CLA	C4A-NA-C1A	6.35	109.56	106.71
14	a	835	CLA	C4A-NA-C1A	6.35	109.56	106.71
14	J	102	CLA	C4A-NA-C1A	6.35	109.56	106.71
14	j	102	CLA	C4A-NA-C1A	6.35	109.56	106.71
14	n	831	CLA	C4A-NA-C1A	6.34	109.56	106.71
14	w	203	CLA	C4A-NA-C1A	6.34	109.56	106.71
14	b	853	CLA	C4A-NA-C1A	6.34	109.56	106.71
17	g	843	BCR	C11-C10-C9	-6.34	118.26	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	824	CLA	C4A-NA-C1A	6.34	109.56	106.71
17	t	104	BCR	C24-C23-C22	-6.34	116.66	126.23
14	T	102	CLA	C4A-NA-C1A	6.34	109.56	106.71
14	F	201	CLA	C4A-NA-C1A	6.34	109.56	106.71
14	g	810	CLA	C4A-NA-C1A	6.33	109.55	106.71
14	n	824	CLA	C4A-NA-C1A	6.33	109.55	106.71
14	b	831	CLA	C4A-NA-C1A	6.33	109.55	106.71
14	b	840	CLA	C4A-NA-C1A	6.33	109.55	106.71
17	j	104	BCR	C20-C21-C22	-6.33	118.28	127.31
14	G	837	CLA	C4A-NA-C1A	6.32	109.55	106.71
14	N	838	CLA	C4A-NA-C1A	6.32	109.55	106.71
14	g	813	CLA	C4A-NA-C1A	6.31	109.55	106.71
14	n	803	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	w	205	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	g	819	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	b	836	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	G	828	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	g	826	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	n	817	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	A	853	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	b	810	CLA	C4A-NA-C1A	6.31	109.54	106.71
14	G	817	CLA	C4A-NA-C1A	6.30	109.54	106.71
14	A	827	CLA	C4A-NA-C1A	6.30	109.54	106.71
14	K	101	CLA	C4A-NA-C1A	6.30	109.54	106.71
14	l	204	CLA	C4A-NA-C1A	6.30	109.54	106.71
14	a	810	CLA	C4A-NA-C1A	6.29	109.54	106.71
14	A	812	CLA	C4A-NA-C1A	6.29	109.53	106.71
14	a	824	CLA	C4A-NA-C1A	6.29	109.53	106.71
14	g	831	CLA	C4A-NA-C1A	6.29	109.53	106.71
14	n	838	CLA	C4A-NA-C1A	6.29	109.53	106.71
14	a	836	CLA	C4A-NA-C1A	6.29	109.53	106.71
14	N	841	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	n	810	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	l	203	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	b	825	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	n	812	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	N	833	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	t	102	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	A	837	CLA	C4A-NA-C1A	6.28	109.53	106.71
14	b	814	CLA	C4A-NA-C1A	6.27	109.52	106.71
14	G	834	CLA	C4A-NA-C1A	6.27	109.52	106.71
14	a	804	CLA	C4A-NA-C1A	6.27	109.52	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	808	CLA	C4A-NA-C1A	6.26	109.52	106.71
14	s	202	CLA	C4A-NA-C1A	6.26	109.52	106.71
14	B	825	CLA	C4A-NA-C1A	6.26	109.52	106.71
14	n	818	CLA	C4A-NA-C1A	6.26	109.52	106.71
14	N	820	CLA	C4A-NA-C1A	6.25	109.52	106.71
17	A	847	BCR	C15-C14-C13	-6.25	118.39	127.31
14	S	203	CLA	C4A-NA-C1A	6.25	109.51	106.71
14	G	803	CLA	C4A-NA-C1A	6.24	109.51	106.71
14	G	831	CLA	C4A-NA-C1A	6.24	109.51	106.71
14	b	837	CLA	C4A-NA-C1A	6.24	109.51	106.71
14	A	834	CLA	C4A-NA-C1A	6.24	109.51	106.71
14	B	804	CLA	C4A-NA-C1A	6.23	109.51	106.71
14	n	836	CLA	C4A-NA-C1A	6.23	109.51	106.71
14	g	803	CLA	C4A-NA-C1A	6.22	109.50	106.71
14	A	833	CLA	C4A-NA-C1A	6.22	109.50	106.71
14	n	832	CLA	C4A-NA-C1A	6.22	109.50	106.71
14	N	807	CLA	C4A-NA-C1A	6.22	109.50	106.71
14	N	819	CLA	C4A-NA-C1A	6.22	109.50	106.71
14	b	829	CLA	C4A-NA-C1A	6.21	109.50	106.71
14	B	810	CLA	C4A-NA-C1A	6.21	109.50	106.71
14	G	840	CLA	C4A-NA-C1A	6.20	109.50	106.71
14	B	836	CLA	C4A-NA-C1A	6.20	109.50	106.71
14	a	854	CLA	C4A-NA-C1A	6.20	109.50	106.71
14	a	808	CLA	C4A-NA-C1A	6.20	109.49	106.71
14	G	818	CLA	C4A-NA-C1A	6.19	109.49	106.71
14	L	1503	CLA	C4A-NA-C1A	6.19	109.49	106.71
14	n	804	CLA	C4A-NA-C1A	6.19	109.49	106.71
14	B	839	CLA	C4A-NA-C1A	6.19	109.49	106.71
14	G	815	CLA	C4A-NA-C1A	6.18	109.48	106.71
14	g	817	CLA	C4A-NA-C1A	6.18	109.48	106.71
14	b	818	CLA	C4A-NA-C1A	6.18	109.48	106.71
14	n	827	CLA	C4A-NA-C1A	6.17	109.48	106.71
14	b	826	CLA	C4A-NA-C1A	6.17	109.48	106.71
14	N	812	CLA	C4A-NA-C1A	6.17	109.48	106.71
14	W	204	CLA	C4A-NA-C1A	6.17	109.48	106.71
17	B	846	BCR	C24-C23-C22	-6.16	116.92	126.23
14	N	808	CLA	C4A-NA-C1A	6.16	109.47	106.71
14	b	828	CLA	C4A-NA-C1A	6.16	109.47	106.71
14	g	824	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	n	828	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	B	811	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	a	831	CLA	C4A-NA-C1A	6.15	109.47	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	856	BCR	C15-C14-C13	-6.15	118.53	127.31
14	G	825	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	N	806	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	B	806	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	f	202	CLA	C4A-NA-C1A	6.15	109.47	106.71
17	n	845	BCR	C15-C14-C13	-6.14	118.54	127.31
14	N	825	CLA	C4A-NA-C1A	6.12	109.46	106.71
14	a	829	CLA	C4A-NA-C1A	6.12	109.46	106.71
14	N	830	CLA	C4A-NA-C1A	6.12	109.46	106.71
14	B	805	CLA	C4A-NA-C1A	6.12	109.46	106.71
14	A	818	CLA	C4A-NA-C1A	6.11	109.45	106.71
14	A	830	CLA	C4A-NA-C1A	6.11	109.45	106.71
14	A	855	CLA	C4A-NA-C1A	6.10	109.45	106.71
14	g	809	CLA	C4A-NA-C1A	6.10	109.45	106.71
14	N	832	CLA	C4A-NA-C1A	6.09	109.44	106.71
14	B	826	CLA	C4A-NA-C1A	6.09	109.44	106.71
14	F	202	CLA	C4A-NA-C1A	6.09	109.44	106.71
14	n	814	CLA	C4A-NA-C1A	6.08	109.44	106.71
14	a	811	CLA	C4A-NA-C1A	6.08	109.44	106.71
14	a	821	CLA	C4A-NA-C1A	6.08	109.44	106.71
14	b	833	CLA	C4A-NA-C1A	6.08	109.44	106.71
14	A	831	CLA	C4A-NA-C1A	6.07	109.44	106.71
14	B	837	CLA	C4A-NA-C1A	6.07	109.44	106.71
14	A	840	CLA	C4A-NA-C1A	6.07	109.44	106.71
14	b	820	CLA	C4A-NA-C1A	6.05	109.43	106.71
14	g	804	CLA	C4A-NA-C1A	6.05	109.42	106.71
14	b	824	CLA	C4A-NA-C1A	6.04	109.42	106.71
14	N	801	CLA	C4A-NA-C1A	6.03	109.42	106.71
14	g	852	CLA	C4A-NA-C1A	6.03	109.42	106.71
14	b	802	CLA	C4A-NA-C1A	6.02	109.41	106.71
14	N	851	CLA	C4A-NA-C1A	6.01	109.41	106.71
14	n	852	CLA	C4A-NA-C1A	6.01	109.41	106.71
14	a	817	CLA	C4A-NA-C1A	6.01	109.41	106.71
17	N	844	BCR	C24-C23-C22	-6.01	117.15	126.23
14	G	820	CLA	C4A-NA-C1A	6.01	109.41	106.71
14	B	818	CLA	C4A-NA-C1A	6.01	109.41	106.71
14	g	811	CLA	C4A-NA-C1A	6.01	109.41	106.71
17	t	104	BCR	C16-C17-C18	-6.01	118.74	127.31
14	A	805	CLA	C4A-NA-C1A	6.00	109.41	106.71
14	g	829	CLA	C4A-NA-C1A	6.00	109.40	106.71
17	V	101	BCR	C11-C10-C9	-6.00	118.75	127.31
14	b	804	CLA	C4A-NA-C1A	5.99	109.40	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	j	104	BCR	C11-C10-C9	-5.99	118.77	127.31
14	N	804	CLA	C4A-NA-C1A	5.99	109.40	106.71
17	a	848	BCR	C20-C21-C22	-5.98	118.77	127.31
14	n	823	CLA	C4A-NA-C1A	5.97	109.39	106.71
14	B	850	CLA	C4A-NA-C1A	5.96	109.39	106.71
14	N	805	CLA	C4A-NA-C1A	5.95	109.38	106.71
17	G	843	BCR	C16-C17-C18	-5.94	118.83	127.31
17	T	104	BCR	C15-C14-C13	-5.94	118.84	127.31
14	g	854	CLA	C4A-NA-C1A	5.92	109.37	106.71
17	j	104	BCR	C24-C23-C22	-5.92	117.29	126.23
14	B	824	CLA	C4A-NA-C1A	5.91	109.36	106.71
14	a	827	CLA	C4A-NA-C1A	5.90	109.36	106.71
14	A	828	CLA	C4A-NA-C1A	5.90	109.36	106.71
17	I	101	BCR	C24-C23-C22	-5.87	117.36	126.23
17	B	851	BCR	C16-C17-C18	-5.87	118.94	127.31
17	f	203	BCR	C15-C14-C13	-5.86	118.94	127.31
17	g	848	BCR	C7-C8-C9	-5.85	117.40	126.23
17	V	101	BCR	C7-C8-C9	-5.85	117.40	126.23
14	j	101	CLA	C4A-NA-C1A	5.85	109.33	106.71
17	a	848	BCR	C7-C8-C9	-5.82	117.44	126.23
17	G	843	BCR	C11-C10-C9	-5.81	119.01	127.31
14	B	829	CLA	C4A-NA-C1A	5.81	109.32	106.71
17	v	101	BCR	C20-C21-C22	-5.80	119.04	127.31
17	s	203	BCR	C15-C14-C13	-5.78	119.06	127.31
17	n	846	BCR	C15-C14-C13	-5.78	119.06	127.31
17	A	844	BCR	C11-C10-C9	-5.77	119.08	127.31
14	n	802	CLA	C4A-NA-C1A	5.75	109.29	106.71
17	B	846	BCR	C16-C17-C18	-5.75	119.11	127.31
14	B	820	CLA	C4A-NA-C1A	5.75	109.29	106.71
14	G	852	CLA	C4A-NA-C1A	5.74	109.29	106.71
14	a	803	CLA	C4A-NA-C1A	5.71	109.28	106.71
17	n	845	BCR	C20-C21-C22	-5.68	119.20	127.31
14	N	803	CLA	C4A-NA-C1A	5.68	109.26	106.71
17	B	846	BCR	C20-C21-C22	-5.68	119.21	127.31
17	A	849	BCR	C7-C8-C9	-5.66	117.68	126.23
17	a	846	BCR	C3-C4-C5	-5.65	104.00	114.08
14	a	853	CLA	C4A-NA-C1A	5.63	109.24	106.71
17	w	201	BCR	C24-C23-C22	-5.62	117.74	126.23
17	i	101	BCR	C11-C10-C9	-5.62	119.29	127.31
14	g	853	CLA	C4A-NA-C1A	5.61	109.23	106.71
17	j	104	BCR	C16-C17-C18	-5.59	119.33	127.31
14	N	827	CLA	C4A-NA-C1A	5.58	109.22	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	848	BCR	C7-C8-C9	-5.58	117.81	126.23
17	n	845	BCR	C11-C10-C9	-5.58	119.35	127.31
17	T	104	BCR	C16-C17-C18	-5.56	119.37	127.31
17	B	845	BCR	C24-C23-C22	-5.55	117.85	126.23
17	b	845	BCR	C24-C23-C22	-5.54	117.86	126.23
17	B	843	BCR	C20-C21-C22	-5.54	119.40	127.31
17	N	852	BCR	C16-C17-C18	-5.52	119.43	127.31
17	a	844	BCR	C16-C17-C18	-5.51	119.44	127.31
17	l	205	BCR	C24-C23-C22	-5.51	117.92	126.23
17	n	849	BCR	C16-C17-C18	-5.50	119.45	127.31
17	v	101	BCR	C3-C4-C5	-5.50	104.25	114.08
17	g	846	BCR	C34-C9-C10	-5.50	115.22	122.92
17	B	845	BCR	C7-C8-C9	-5.49	117.94	126.23
17	N	847	BCR	C15-C14-C13	-5.49	119.47	127.31
17	v	101	BCR	C24-C23-C22	-5.49	117.94	126.23
17	g	846	BCR	C20-C21-C22	-5.48	119.48	127.31
17	B	848	BCR	C16-C17-C18	-5.48	119.49	127.31
17	I	101	BCR	C16-C17-C18	-5.48	119.49	127.31
17	n	844	BCR	C24-C23-C22	-5.46	117.99	126.23
14	G	801	CLA	C4A-NA-C1A	5.45	109.16	106.71
14	B	803	CLA	C4A-NA-C1A	5.43	109.15	106.71
17	B	848	BCR	C24-C23-C22	-5.43	118.04	126.23
17	a	845	BCR	C3-C4-C5	-5.41	104.41	114.08
17	A	849	BCR	C20-C21-C22	-5.41	119.59	127.31
17	n	842	BCR	C20-C21-C22	-5.40	119.60	127.31
17	u	103	BCR	C16-C17-C18	-5.40	119.61	127.31
17	n	842	BCR	C24-C23-C22	-5.36	118.13	126.23
17	g	846	BCR	C8-C9-C10	5.36	127.17	118.94
17	F	203	BCR	C15-C14-C13	-5.35	119.67	127.31
17	G	848	BCR	C20-C21-C22	-5.34	119.69	127.31
17	B	843	BCR	C24-C23-C22	-5.34	118.17	126.23
17	N	852	BCR	C20-C19-C18	-5.32	111.46	126.42
17	a	843	BCR	C11-C10-C9	-5.32	119.72	127.31
17	G	845	BCR	C3-C4-C5	-5.31	104.59	114.08
17	g	845	BCR	C3-C4-C5	-5.31	104.60	114.08
17	S	204	BCR	C15-C14-C13	-5.29	119.76	127.31
17	a	846	BCR	C16-C15-C14	-5.28	112.67	123.47
17	N	846	BCR	C24-C23-C22	-5.26	118.28	126.23
17	v	101	BCR	C16-C17-C18	-5.26	119.81	127.31
14	b	805	CLA	C4A-NA-C1A	5.26	109.07	106.71
17	b	850	BCR	C20-C21-C22	-5.25	119.82	127.31
19	g	851	CL0	C4A-NA-C1A	-5.24	104.35	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	W	206	BCR	C7-C8-C9	-5.23	118.33	126.23
17	V	101	BCR	C15-C14-C13	-5.23	119.85	127.31
17	N	844	BCR	C20-C21-C22	-5.22	119.86	127.31
17	B	848	BCR	C20-C21-C22	-5.22	119.86	127.31
17	g	848	BCR	C20-C21-C22	-5.22	119.86	127.31
17	A	846	BCR	C15-C14-C13	-5.21	119.87	127.31
17	N	848	BCR	C15-C14-C13	-5.21	119.87	127.31
17	G	846	BCR	C15-C14-C13	-5.21	119.88	127.31
17	B	851	BCR	C20-C21-C22	-5.19	119.90	127.31
14	A	801	CLA	C4A-NA-C1A	5.19	109.04	106.71
17	n	847	BCR	C16-C17-C18	-5.18	119.91	127.31
17	k	102	BCR	C16-C17-C18	-5.18	119.92	127.31
17	B	847	BCR	C24-C23-C22	-5.17	118.42	126.23
17	b	846	BCR	C11-C10-C9	-5.17	119.94	127.31
17	n	846	BCR	C11-C10-C9	-5.11	120.02	127.31
17	n	845	BCR	C24-C23-C22	-5.11	118.52	126.23
17	n	843	BCR	C7-C8-C9	-5.11	118.52	126.23
17	b	847	BCR	C11-C10-C9	-5.10	120.03	127.31
17	A	847	BCR	C20-C21-C22	-5.09	120.04	127.31
17	S	204	BCR	C11-C10-C9	-5.08	120.06	127.31
17	G	844	BCR	C16-C17-C18	-5.05	120.10	127.31
17	F	203	BCR	C11-C10-C9	-5.00	120.17	127.31
17	N	847	BCR	C20-C21-C22	-5.00	120.17	127.31
17	m	102	BCR	C20-C21-C22	-5.00	120.18	127.31
17	i	101	BCR	C3-C4-C5	-4.99	105.17	114.08
17	f	203	BCR	C11-C10-C9	-4.99	120.19	127.31
17	w	206	BCR	C20-C21-C22	-4.98	120.20	127.31
17	Y	101	BCR	C16-C17-C18	-4.97	120.21	127.31
17	m	102	BCR	C16-C17-C18	-4.97	120.22	127.31
17	b	847	BCR	C15-C14-C13	-4.96	120.22	127.31
17	N	848	BCR	C11-C10-C9	-4.96	120.24	127.31
17	A	844	BCR	C16-C17-C18	-4.95	120.25	127.31
19	A	852	CL0	C4A-NA-C1A	-4.93	104.49	106.71
17	I	102	BCR	C21-C20-C19	-4.93	107.84	123.22
17	N	847	BCR	C24-C23-C22	-4.92	118.80	126.23
17	V	101	BCR	C16-C17-C18	-4.92	120.29	127.31
17	l	206	BCR	C3-C4-C5	-4.92	105.30	114.08
17	I	102	BCR	C16-C15-C14	-4.91	113.42	123.47
17	I	101	BCR	C20-C21-C22	-4.90	120.31	127.31
17	I	103	BCR	C16-C17-C18	-4.90	120.32	127.31
17	g	848	BCR	C38-C26-C25	-4.89	119.03	124.53
17	m	102	BCR	C33-C5-C6	-4.89	119.03	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	843	BCR	C15-C14-C13	-4.89	120.33	127.31
17	N	846	BCR	C15-C14-C13	-4.89	120.33	127.31
17	I	101	BCR	C7-C8-C9	-4.89	118.85	126.23
17	J	103	BCR	C15-C14-C13	-4.88	120.34	127.31
17	b	844	BCR	C7-C8-C9	-4.88	118.86	126.23
17	G	847	BCR	C16-C17-C18	-4.87	120.36	127.31
17	k	102	BCR	C20-C21-C22	-4.87	120.36	127.31
17	g	844	BCR	C16-C17-C18	-4.86	120.37	127.31
17	w	207	BCR	C3-C4-C5	-4.86	105.40	114.08
17	N	846	BCR	C11-C10-C9	-4.85	120.39	127.31
17	n	845	BCR	C16-C17-C18	-4.84	120.40	127.31
17	a	847	BCR	C15-C14-C13	-4.84	120.40	127.31
17	g	847	BCR	C15-C14-C13	-4.84	120.41	127.31
17	g	847	BCR	C16-C17-C18	-4.83	120.42	127.31
17	w	206	BCR	C15-C14-C13	-4.83	120.42	127.31
17	N	853	BCR	C11-C10-C9	-4.83	120.42	127.31
17	B	847	BCR	C15-C14-C13	-4.83	120.42	127.31
17	y	101	BCR	C33-C5-C6	-4.83	119.11	124.53
17	s	203	BCR	C11-C10-C9	-4.82	120.43	127.31
17	B	847	BCR	C11-C10-C9	-4.82	120.44	127.31
17	b	850	BCR	C7-C8-C9	-4.81	118.96	126.23
17	A	845	BCR	C16-C17-C18	-4.80	120.46	127.31
17	a	844	BCR	C20-C21-C22	-4.80	120.47	127.31
17	j	103	BCR	C11-C10-C9	-4.79	120.47	127.31
17	W	201	BCR	C3-C4-C5	-4.79	105.52	114.08
17	n	844	BCR	C7-C8-C9	-4.79	119.00	126.23
17	G	848	BCR	C38-C26-C25	-4.78	119.16	124.53
17	a	845	BCR	C15-C14-C13	-4.78	120.49	127.31
17	N	845	BCR	C24-C23-C22	-4.77	119.02	126.23
17	g	843	BCR	C16-C17-C18	-4.77	120.50	127.31
17	n	842	BCR	C16-C17-C18	-4.77	120.50	127.31
17	T	104	BCR	C38-C26-C25	-4.77	119.17	124.53
17	W	201	BCR	C38-C26-C25	-4.77	119.17	124.53
17	i	102	BCR	C33-C5-C6	-4.77	119.17	124.53
17	G	845	BCR	C15-C14-C13	-4.76	120.51	127.31
17	N	844	BCR	C16-C17-C18	-4.76	120.52	127.31
17	g	848	BCR	C33-C5-C6	-4.76	119.18	124.53
17	Y	101	BCR	C33-C5-C6	-4.76	119.19	124.53
17	b	845	BCR	C7-C8-C9	-4.75	119.06	126.23
17	B	843	BCR	C16-C17-C18	-4.75	120.53	127.31
17	B	852	BCR	C15-C14-C13	-4.74	120.54	127.31
17	A	849	BCR	C38-C26-C25	-4.74	119.20	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	j	103	BCR	C33-C5-C6	-4.74	119.21	124.53
17	B	852	BCR	C11-C10-C9	-4.74	120.55	127.31
17	M	101	BCR	C20-C21-C22	-4.73	120.55	127.31
17	y	101	BCR	C20-C21-C22	-4.72	120.58	127.31
17	n	846	BCR	C24-C23-C22	-4.72	119.11	126.23
17	n	844	BCR	C15-C14-C13	-4.71	120.58	127.31
17	t	103	BCR	C15-C14-C13	-4.71	120.58	127.31
17	g	845	BCR	C15-C14-C13	-4.71	120.58	127.31
19	g	851	CL0	CHD-C1D-ND	-4.71	120.12	124.45
17	A	846	BCR	C3-C4-C5	-4.71	105.67	114.08
17	T	103	BCR	C16-C17-C18	-4.71	120.59	127.31
17	T	103	BCR	C15-C14-C13	-4.70	120.60	127.31
17	g	847	BCR	C7-C8-C9	-4.70	119.14	126.23
17	N	853	BCR	C15-C14-C13	-4.70	120.61	127.31
17	A	856	BCR	C16-C17-C18	-4.69	120.61	127.31
17	a	848	BCR	C38-C26-C25	-4.69	119.26	124.53
17	n	845	BCR	C36-C18-C19	4.68	125.45	118.08
17	A	845	BCR	C20-C21-C22	-4.68	120.63	127.31
17	a	847	BCR	C7-C8-C9	-4.68	119.17	126.23
17	A	846	BCR	C7-C8-C9	-4.67	119.17	126.23
17	n	847	BCR	C24-C23-C22	-4.67	119.17	126.23
17	N	848	BCR	C24-C23-C22	-4.66	119.19	126.23
14	A	831	CLA	CMB-C2B-C1B	-4.66	121.31	128.46
17	N	847	BCR	C11-C10-C9	-4.65	120.67	127.31
17	N	853	BCR	C16-C17-C18	-4.65	120.67	127.31
17	b	846	BCR	C16-C17-C18	-4.65	120.67	127.31
17	U	103	BCR	C16-C17-C18	-4.64	120.69	127.31
19	G	851	CL0	CHD-C1D-ND	-4.63	120.19	124.45
17	b	852	BCR	C15-C14-C13	-4.63	120.70	127.31
17	s	203	BCR	C16-C17-C18	-4.63	120.70	127.31
17	T	104	BCR	C33-C5-C6	-4.63	119.33	124.53
17	n	843	BCR	C15-C14-C13	-4.63	120.70	127.31
17	A	845	BCR	C15-C14-C13	-4.63	120.70	127.31
17	n	851	BCR	C11-C10-C9	-4.63	120.71	127.31
17	N	844	BCR	C15-C14-C13	-4.62	120.72	127.31
17	f	203	BCR	C16-C17-C18	-4.61	120.73	127.31
17	b	843	BCR	C16-C17-C18	-4.60	120.75	127.31
17	b	843	BCR	C20-C21-C22	-4.60	120.75	127.31
14	g	852	CLA	CMB-C2B-C1B	-4.59	121.40	128.46
17	g	846	BCR	C33-C5-C6	-4.59	119.38	124.53
17	A	847	BCR	C3-C4-C5	-4.59	105.89	114.08
17	j	104	BCR	C3-C4-C5	-4.59	105.89	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	t	103	BCR	C16-C17-C18	-4.58	120.77	127.31
17	N	849	BCR	C15-C14-C13	-4.57	120.78	127.31
17	U	103	BCR	C15-C14-C13	-4.57	120.78	127.31
17	B	845	BCR	C15-C14-C13	-4.57	120.78	127.31
17	K	102	BCR	C16-C17-C18	-4.57	120.78	127.31
17	W	206	BCR	C20-C21-C22	-4.57	120.79	127.31
17	Y	101	BCR	C20-C21-C22	-4.56	120.81	127.31
17	j	104	BCR	C15-C14-C13	-4.56	120.81	127.31
17	n	842	BCR	C15-C14-C13	-4.55	120.81	127.31
17	l	205	BCR	C15-C14-C13	-4.55	120.82	127.31
17	G	848	BCR	C16-C17-C18	-4.54	120.83	127.31
17	N	853	BCR	C7-C8-C9	-4.53	119.38	126.23
14	b	835	CLA	CMB-C2B-C1B	-4.53	121.50	128.46
17	j	103	BCR	C7-C8-C9	-4.53	119.39	126.23
17	G	846	BCR	C7-C8-C9	-4.52	119.40	126.23
17	n	845	BCR	C7-C8-C9	-4.52	119.40	126.23
17	A	848	BCR	C16-C17-C18	-4.52	120.86	127.31
17	b	847	BCR	C24-C23-C22	-4.52	119.41	126.23
17	G	844	BCR	C20-C21-C22	-4.51	120.87	127.31
17	g	844	BCR	C20-C21-C22	-4.51	120.88	127.31
17	b	846	BCR	C7-C8-C9	-4.50	119.43	126.23
19	A	852	CL0	CHD-C1D-ND	-4.50	120.32	124.45
17	a	844	BCR	C15-C14-C13	-4.50	120.89	127.31
17	w	207	BCR	C20-C21-C22	-4.50	120.89	127.31
17	i	101	BCR	C15-C14-C13	-4.49	120.89	127.31
17	N	853	BCR	C20-C21-C22	-4.49	120.90	127.31
17	B	845	BCR	C33-C5-C6	-4.49	119.49	124.53
17	n	849	BCR	C15-C14-C13	-4.48	120.91	127.31
14	G	831	CLA	CMB-C2B-C1B	-4.48	121.57	128.46
17	u	103	BCR	C20-C21-C22	-4.48	120.91	127.31
17	U	103	BCR	C20-C21-C22	-4.48	120.91	127.31
17	b	845	BCR	C15-C14-C13	-4.48	120.92	127.31
17	n	846	BCR	C7-C8-C9	-4.48	119.47	126.23
14	G	820	CLA	CMB-C2B-C1B	-4.47	121.59	128.46
17	N	847	BCR	C7-C8-C9	-4.47	119.48	126.23
17	b	847	BCR	C38-C26-C25	-4.47	119.51	124.53
17	A	856	BCR	C20-C21-C22	-4.47	120.93	127.31
17	b	844	BCR	C15-C14-C13	-4.46	120.94	127.31
17	B	844	BCR	C33-C5-C6	-4.46	119.52	124.53
17	n	851	BCR	C15-C14-C13	-4.45	120.95	127.31
17	A	847	BCR	C16-C17-C18	-4.44	120.97	127.31
17	a	845	BCR	C16-C17-C18	-4.44	120.97	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	b	852	BCR	C16-C17-C18	-4.44	120.97	127.31
17	a	847	BCR	C16-C17-C18	-4.44	120.97	127.31
17	B	843	BCR	C15-C14-C13	-4.44	120.97	127.31
17	B	852	BCR	C7-C8-C9	-4.44	119.53	126.23
14	b	830	CLA	CMB-C2B-C1B	-4.44	121.65	128.46
17	n	845	BCR	C3-C4-C5	-4.43	106.16	114.08
14	A	824	CLA	CMB-C2B-C1B	-4.43	121.65	128.46
17	A	847	BCR	C38-C26-C25	-4.43	119.55	124.53
17	b	843	BCR	C11-C10-C9	-4.43	120.99	127.31
17	A	846	BCR	C11-C10-C9	-4.42	121.00	127.31
17	g	845	BCR	C16-C17-C18	-4.41	121.01	127.31
17	w	207	BCR	C16-C17-C18	-4.41	121.02	127.31
17	W	201	BCR	C20-C19-C18	-4.41	114.03	126.42
14	A	829	CLA	CMB-C2B-C1B	-4.41	121.69	128.46
17	a	847	BCR	C11-C10-C9	-4.41	121.02	127.31
17	N	845	BCR	C15-C14-C13	-4.40	121.03	127.31
17	m	102	BCR	C15-C14-C13	-4.40	121.03	127.31
17	W	205	BCR	C38-C26-C25	-4.39	119.60	124.53
17	n	847	BCR	C33-C5-C6	-4.39	119.60	124.53
17	i	101	BCR	C24-C23-C22	-4.39	119.60	126.23
17	G	846	BCR	C3-C4-C5	-4.39	106.25	114.08
17	j	103	BCR	C15-C14-C13	-4.38	121.05	127.31
14	N	830	CLA	CMB-C2B-C1B	-4.38	121.73	128.46
17	B	852	BCR	C16-C17-C18	-4.38	121.06	127.31
17	G	847	BCR	C15-C14-C13	-4.37	121.07	127.31
17	j	103	BCR	C16-C17-C18	-4.37	121.07	127.31
17	M	101	BCR	C16-C17-C18	-4.37	121.07	127.31
17	n	846	BCR	C20-C21-C22	-4.37	121.08	127.31
14	B	829	CLA	CMB-C2B-C1B	-4.36	121.75	128.46
14	b	806	CLA	CMB-C2B-C1B	-4.36	121.76	128.46
14	N	827	CLA	CMB-C2B-C1B	-4.36	121.76	128.46
14	B	837	CLA	CMB-C2B-C1B	-4.36	121.76	128.46
17	M	101	BCR	C15-C14-C13	-4.36	121.09	127.31
14	B	806	CLA	CMB-C2B-C1B	-4.35	121.78	128.46
14	A	818	CLA	CMB-C2B-C1B	-4.35	121.78	128.46
17	b	850	BCR	C15-C14-C13	-4.35	121.11	127.31
17	S	204	BCR	C7-C8-C9	-4.35	119.67	126.23
17	b	852	BCR	C11-C10-C9	-4.34	121.12	127.31
17	w	206	BCR	C38-C26-C25	-4.34	119.66	124.53
17	A	849	BCR	C16-C17-C18	-4.33	121.13	127.31
17	n	842	BCR	C33-C5-C6	-4.33	119.67	124.53
17	b	848	BCR	C16-C17-C18	-4.33	121.13	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	n	836	CLA	CMB-C2B-C1B	-4.32	121.82	128.46
14	b	832	CLA	CMB-C2B-C1B	-4.32	121.83	128.46
17	N	844	BCR	C33-C5-C6	-4.32	119.68	124.53
17	n	851	BCR	C16-C17-C18	-4.32	121.15	127.31
17	b	845	BCR	C16-C17-C18	-4.32	121.15	127.31
17	g	847	BCR	C11-C10-C9	-4.31	121.15	127.31
17	B	845	BCR	C16-C17-C18	-4.31	121.15	127.31
17	b	848	BCR	C33-C5-C6	-4.31	119.68	124.53
17	F	203	BCR	C16-C17-C18	-4.31	121.15	127.31
14	g	840	CLA	CMB-C2B-C1B	-4.31	121.83	128.46
14	G	821	CLA	CMB-C2B-C1B	-4.31	121.84	128.46
17	w	206	BCR	C16-C17-C18	-4.31	121.17	127.31
17	l	206	BCR	C15-C14-C13	-4.31	121.17	127.31
17	g	846	BCR	C24-C23-C22	-4.30	119.73	126.23
17	n	844	BCR	C16-C17-C18	-4.30	121.17	127.31
17	y	101	BCR	C16-C17-C18	-4.30	121.17	127.31
17	u	103	BCR	C11-C10-C9	-4.30	121.17	127.31
14	N	809	CLA	CMB-C2B-C1B	-4.30	121.85	128.46
17	I	101	BCR	C11-C10-C9	-4.30	121.17	127.31
17	b	843	BCR	C24-C23-C22	-4.30	119.74	126.23
14	B	820	CLA	CMB-C2B-C1B	-4.30	121.86	128.46
17	n	851	BCR	C7-C8-C9	-4.29	119.75	126.23
17	I	103	BCR	C38-C26-C25	-4.29	119.71	124.53
17	N	846	BCR	C7-C8-C9	-4.29	119.75	126.23
17	B	851	BCR	C28-C27-C26	-4.29	106.41	114.08
14	b	827	CLA	CMB-C2B-C1B	-4.28	121.88	128.46
17	A	847	BCR	C11-C10-C9	-4.28	121.20	127.31
17	n	847	BCR	C20-C21-C22	-4.28	121.20	127.31
17	i	102	BCR	C7-C8-C9	-4.28	119.77	126.23
17	J	103	BCR	C16-C17-C18	-4.28	121.20	127.31
17	F	203	BCR	C7-C8-C9	-4.28	119.77	126.23
17	N	844	BCR	C11-C10-C9	-4.28	121.21	127.31
14	n	834	CLA	CMB-C2B-C1B	-4.27	121.89	128.46
14	g	836	CLA	CMB-C2B-C1B	-4.27	121.90	128.46
14	A	827	CLA	CMB-C2B-C1B	-4.27	121.90	128.46
17	B	846	BCR	C15-C14-C13	-4.27	121.21	127.31
17	b	843	BCR	C15-C14-C13	-4.27	121.22	127.31
17	g	844	BCR	C15-C14-C13	-4.26	121.22	127.31
17	G	844	BCR	C15-C14-C13	-4.26	121.23	127.31
17	k	102	BCR	C15-C14-C13	-4.26	121.23	127.31
17	j	104	BCR	C38-C26-C25	-4.26	119.75	124.53
17	I	101	BCR	C3-C4-C5	-4.26	106.48	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	823	CLA	CMB-C2B-C1B	-4.26	121.92	128.46
17	b	850	BCR	C11-C10-C9	-4.25	121.24	127.31
17	G	847	BCR	C20-C21-C22	-4.25	121.24	127.31
17	a	844	BCR	C11-C10-C9	-4.25	121.25	127.31
17	N	845	BCR	C16-C17-C18	-4.24	121.26	127.31
17	a	843	BCR	C16-C17-C18	-4.24	121.26	127.31
17	g	844	BCR	C11-C10-C9	-4.24	121.26	127.31
14	A	808	CLA	CMB-C2B-C1B	-4.24	121.95	128.46
14	b	814	CLA	CMB-C2B-C1B	-4.24	121.95	128.46
17	b	852	BCR	C20-C21-C22	-4.23	121.27	127.31
14	N	811	CLA	CMB-C2B-C1B	-4.23	121.96	128.46
14	b	829	CLA	CMB-C2B-C1B	-4.23	121.96	128.46
14	a	831	CLA	CMB-C2B-C1B	-4.23	121.96	128.46
17	N	846	BCR	C16-C17-C18	-4.23	121.28	127.31
17	w	206	BCR	C11-C10-C9	-4.23	121.28	127.31
19	a	851	CL0	CHD-C1D-ND	-4.23	120.57	124.45
17	G	843	BCR	C20-C21-C22	-4.23	121.28	127.31
14	g	826	CLA	CMB-C2B-C1B	-4.23	121.97	128.46
17	f	203	BCR	C7-C8-C9	-4.22	119.85	126.23
14	G	805	CLA	CMB-C2B-C1B	-4.22	121.97	128.46
17	a	848	BCR	C16-C17-C18	-4.22	121.28	127.31
17	K	102	BCR	C15-C14-C13	-4.22	121.29	127.31
17	A	844	BCR	C7-C8-C9	-4.22	119.86	126.23
17	A	847	BCR	C24-C23-C22	-4.21	119.87	126.23
17	w	207	BCR	C38-C26-C25	-4.21	119.80	124.53
17	A	856	BCR	C28-C27-C26	-4.21	106.55	114.08
14	a	819	CLA	CMB-C2B-C1B	-4.21	121.99	128.46
17	u	103	BCR	C15-C14-C13	-4.21	121.30	127.31
14	g	801	CLA	CMB-C2B-C1B	-4.21	122.00	128.46
14	a	801	CLA	CMB-C2B-C1B	-4.21	122.00	128.46
14	b	826	CLA	CMB-C2B-C1B	-4.21	122.00	128.46
19	g	851	CL0	C1B-CHB-C4A	-4.20	121.79	130.12
20	n	801	SQD	O9-S-C6	4.20	111.93	106.94
14	g	830	CLA	CMB-C2B-C1B	-4.20	122.01	128.46
17	n	844	BCR	C11-C10-C9	-4.20	121.31	127.31
17	n	843	BCR	C33-C5-C6	-4.20	119.81	124.53
17	L	1504	BCR	C15-C14-C13	-4.20	121.32	127.31
14	G	822	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
14	g	820	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
14	G	801	CLA	CMB-C2B-C1B	-4.19	122.02	128.46
17	w	207	BCR	C15-C14-C13	-4.19	121.33	127.31
14	b	813	CLA	CMB-C2B-C1B	-4.19	122.03	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	J	103	BCR	C11-C10-C9	-4.19	121.34	127.31
14	G	829	CLA	CMB-C2B-C1B	-4.18	122.03	128.46
14	n	813	CLA	CMB-C2B-C1B	-4.18	122.03	128.46
14	b	837	CLA	CMB-C2B-C1B	-4.18	122.04	128.46
17	t	103	BCR	C11-C10-C9	-4.18	121.35	127.31
17	W	206	BCR	C11-C10-C9	-4.18	121.35	127.31
17	N	849	BCR	C16-C17-C18	-4.17	121.35	127.31
17	n	842	BCR	C11-C10-C9	-4.17	121.35	127.31
17	A	848	BCR	C15-C14-C13	-4.17	121.35	127.31
17	w	201	BCR	C7-C8-C9	-4.17	119.93	126.23
17	w	206	BCR	C7-C8-C9	-4.17	119.93	126.23
17	A	849	BCR	C24-C23-C22	-4.17	119.93	126.23
17	n	846	BCR	C16-C17-C18	-4.17	121.36	127.31
17	l	205	BCR	C38-C26-C25	-4.17	119.85	124.53
17	K	102	BCR	C20-C21-C22	-4.16	121.37	127.31
17	b	847	BCR	C7-C8-C9	-4.16	119.95	126.23
17	g	844	BCR	C33-C5-C6	-4.16	119.86	124.53
17	l	205	BCR	C16-C17-C18	-4.15	121.38	127.31
17	b	845	BCR	C11-C10-C9	-4.15	121.39	127.31
14	B	827	CLA	CMB-C2B-C1B	-4.15	122.09	128.46
17	G	848	BCR	C33-C5-C6	-4.15	119.87	124.53
17	A	847	BCR	C7-C8-C9	-4.14	119.97	126.23
17	G	846	BCR	C16-C17-C18	-4.14	121.40	127.31
14	B	808	CLA	CMB-C2B-C1B	-4.14	122.10	128.46
17	b	850	BCR	C24-C23-C22	-4.14	119.98	126.23
17	n	851	BCR	C24-C23-C22	-4.14	119.98	126.23
17	y	101	BCR	C38-C26-C25	-4.14	119.88	124.53
14	B	836	CLA	CMB-C2B-C1B	-4.13	122.11	128.46
17	N	848	BCR	C38-C26-C25	-4.13	119.89	124.53
14	g	834	CLA	CMB-C2B-C1B	-4.13	122.12	128.46
14	A	815	CLA	CMB-C2B-C1B	-4.12	122.13	128.46
19	a	851	CL0	C4A-NA-C1A	-4.12	104.85	106.71
17	M	101	BCR	C38-C26-C25	-4.12	119.90	124.53
17	k	102	BCR	C11-C10-C9	-4.12	121.44	127.31
17	w	201	BCR	C15-C14-C13	-4.12	121.44	127.31
17	G	845	BCR	C11-C10-C9	-4.11	121.44	127.31
20	l	201	SQD	O47-C7-C8	4.11	120.36	111.50
14	G	807	CLA	CMB-C2B-C1B	-4.11	122.14	128.46
17	B	852	BCR	C20-C21-C22	-4.11	121.45	127.31
17	N	848	BCR	C16-C17-C18	-4.11	121.45	127.31
17	N	849	BCR	C33-C5-C6	-4.11	119.92	124.53
17	W	201	BCR	C8-C7-C6	-4.10	115.68	127.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	m	102	BCR	C38-C26-C25	-4.10	119.92	124.53
14	b	807	CLA	CMB-C2B-C1B	-4.10	122.16	128.46
17	A	856	BCR	C33-C5-C6	-4.10	119.93	124.53
17	A	846	BCR	C20-C21-C22	-4.10	121.46	127.31
19	g	851	CL0	C2A-C3A-C4A	-4.09	95.26	101.87
17	b	844	BCR	C16-C17-C18	-4.09	121.47	127.31
17	a	843	BCR	C7-C8-C9	-4.09	120.05	126.23
14	l	202	CLA	CMB-C2B-C1B	-4.09	122.18	128.46
20	H	1702	SQD	O7-S-C6	4.09	111.79	106.94
17	w	201	BCR	C33-C5-C6	-4.08	119.94	124.53
17	g	847	BCR	C20-C21-C22	-4.08	121.49	127.31
14	a	827	CLA	CMB-C2B-C1B	-4.08	122.19	128.46
14	N	807	CLA	CMB-C2B-C1B	-4.08	122.20	128.46
18	a	850	LHG	O7-C7-C8	4.07	120.28	111.50
14	B	835	CLA	CMB-C2B-C1B	-4.07	122.21	128.46
14	g	853	CLA	CMB-C2B-C1B	-4.07	122.21	128.46
14	G	836	CLA	CMB-C2B-C1B	-4.06	122.22	128.46
14	N	836	CLA	CMB-C2B-C1B	-4.06	122.22	128.46
14	n	805	CLA	CMB-C2B-C1B	-4.06	122.22	128.46
14	n	828	CLA	CMB-C2B-C1B	-4.06	122.22	128.46
17	B	847	BCR	C20-C21-C22	-4.06	121.52	127.31
17	G	843	BCR	C7-C8-C9	-4.05	120.11	126.23
17	g	845	BCR	C11-C10-C9	-4.05	121.53	127.31
19	G	851	CL0	C4A-NA-C1A	-4.05	104.88	106.71
14	N	825	CLA	CMB-C2B-C1B	-4.05	122.24	128.46
20	n	801	SQD	O47-C7-C8	4.05	120.23	111.50
17	L	1504	BCR	C16-C17-C18	-4.04	121.54	127.31
14	b	815	CLA	CMB-C2B-C1B	-4.04	122.25	128.46
20	x	1702	SQD	O47-C7-C8	4.04	120.21	111.50
17	n	846	BCR	C38-C26-C25	-4.04	120.00	124.53
14	G	810	CLA	CMB-C2B-C1B	-4.04	122.26	128.46
14	G	818	CLA	CMB-C2B-C1B	-4.04	122.26	128.46
17	W	206	BCR	C3-C4-C5	-4.03	106.88	114.08
17	Y	101	BCR	C15-C14-C13	-4.03	121.56	127.31
14	G	826	CLA	CMB-C2B-C1B	-4.03	122.27	128.46
17	g	843	BCR	C7-C8-C9	-4.02	120.15	126.23
17	b	843	BCR	C33-C5-C6	-4.02	120.01	124.53
14	N	828	CLA	CMB-C2B-C1B	-4.02	122.28	128.46
17	n	849	BCR	C20-C19-C18	-4.02	115.11	126.42
17	B	847	BCR	C7-C8-C9	-4.02	120.16	126.23
14	a	829	CLA	CMB-C2B-C1B	-4.02	122.29	128.46
14	S	203	CLA	CMB-C2B-C1B	-4.01	122.29	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	L	1504	BCR	C20-C21-C22	-4.01	121.58	127.31
17	a	845	BCR	C11-C10-C9	-4.01	121.58	127.31
17	n	851	BCR	C3-C4-C5	-4.01	106.91	114.08
17	l	206	BCR	C16-C17-C18	-4.01	121.58	127.31
17	s	203	BCR	C20-C21-C22	-4.01	121.59	127.31
20	b	801	SQD	O47-C7-C8	4.01	120.14	111.50
14	a	803	CLA	CMB-C2B-C1B	-4.01	122.30	128.46
17	t	104	BCR	C38-C26-C25	-4.01	120.03	124.53
17	B	848	BCR	C33-C5-C6	-4.01	120.03	124.53
17	n	851	BCR	C20-C21-C22	-4.01	121.59	127.31
14	G	814	CLA	CMB-C2B-C1B	-4.01	122.31	128.46
17	B	848	BCR	C15-C14-C13	-4.01	121.59	127.31
17	B	847	BCR	C38-C26-C25	-4.01	120.03	124.53
14	G	824	CLA	CMB-C2B-C1B	-4.01	122.31	128.46
17	a	844	BCR	C33-C5-C6	-4.00	120.03	124.53
17	N	852	BCR	C15-C14-C13	-4.00	121.60	127.31
17	s	203	BCR	C7-C8-C9	-4.00	120.19	126.23
14	b	831	CLA	CMB-C2B-C1B	-4.00	122.32	128.46
17	l	206	BCR	C11-C10-C9	-4.00	121.61	127.31
17	a	844	BCR	C38-C26-C25	-4.00	120.04	124.53
17	w	201	BCR	C38-C26-C25	-4.00	120.04	124.53
14	g	828	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
14	a	826	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
14	b	820	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
17	B	846	BCR	C11-C10-C9	-3.99	121.61	127.31
14	n	826	CLA	CMB-C2B-C1B	-3.99	122.33	128.46
17	b	844	BCR	C11-C10-C9	-3.99	121.62	127.31
14	b	838	CLA	CMB-C2B-C1B	-3.99	122.34	128.46
17	b	848	BCR	C15-C14-C13	-3.99	121.62	127.31
17	A	845	BCR	C38-C26-C25	-3.99	120.05	124.53
17	I	102	BCR	C19-C18-C17	3.99	125.06	118.94
17	W	206	BCR	C16-C17-C18	-3.98	121.62	127.31
17	g	844	BCR	C38-C26-C25	-3.98	120.06	124.53
20	H	1702	SQD	O47-C7-C8	3.98	120.07	111.50
17	a	846	BCR	C20-C19-C18	-3.98	115.25	126.42
17	l	206	BCR	C20-C21-C22	-3.97	121.64	127.31
19	a	851	CL0	C4D-CHA-C1A	-3.97	116.41	121.25
17	A	849	BCR	C33-C5-C6	-3.97	120.07	124.53
17	g	848	BCR	C16-C17-C18	-3.97	121.64	127.31
17	L	1504	BCR	C3-C4-C5	-3.97	106.98	114.08
14	g	825	CLA	CMB-C2B-C1B	-3.97	122.36	128.46
17	f	203	BCR	C20-C21-C22	-3.97	121.65	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	X	1702	LHG	O7-C7-C8	3.97	120.05	111.50
14	N	803	CLA	CMB-C2B-C1B	-3.97	122.37	128.46
17	G	845	BCR	C16-C17-C18	-3.96	121.65	127.31
14	g	806	CLA	CMB-C2B-C1B	-3.96	122.37	128.46
17	G	848	BCR	C24-C23-C22	-3.96	120.25	126.23
17	u	103	BCR	C24-C23-C22	-3.96	120.25	126.23
17	g	845	BCR	C4-C5-C6	-3.96	116.98	122.73
17	g	848	BCR	C24-C23-C22	-3.96	120.25	126.23
17	g	843	BCR	C15-C14-C13	-3.96	121.66	127.31
14	B	830	CLA	CMB-C2B-C1B	-3.96	122.38	128.46
17	b	852	BCR	C24-C23-C22	-3.96	120.26	126.23
14	g	835	CLA	CMB-C2B-C1B	-3.96	122.39	128.46
14	a	812	CLA	CMB-C2B-C1B	-3.96	122.39	128.46
20	B	801	SQD	O47-C7-C8	3.95	120.02	111.50
17	a	848	BCR	C33-C5-C6	-3.95	120.09	124.53
14	B	803	CLA	CMB-C2B-C1B	-3.95	122.39	128.46
14	n	809	CLA	CMB-C2B-C1B	-3.95	122.39	128.46
14	n	815	CLA	CMB-C2B-C1B	-3.95	122.39	128.46
14	w	203	CLA	CMB-C2B-C1B	-3.95	122.39	128.46
20	w	202	SQD	O47-C7-C8	3.95	120.01	111.50
14	B	807	CLA	CMB-C2B-C1B	-3.95	122.39	128.46
18	S	202	LHG	O7-C7-C8	3.95	120.01	111.50
17	b	847	BCR	C20-C21-C22	-3.95	121.68	127.31
14	A	801	CLA	CMB-C2B-C1B	-3.95	122.40	128.46
18	g	850	LHG	O7-C7-C8	3.94	120.00	111.50
14	G	804	CLA	CMB-C2B-C1B	-3.94	122.40	128.46
14	A	819	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
17	N	847	BCR	C33-C5-C6	-3.94	120.10	124.53
14	a	830	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
18	v	102	LHG	O7-C7-C8	3.94	119.99	111.50
14	g	817	CLA	CMB-C2B-C1B	-3.94	122.41	128.46
17	a	843	BCR	C33-C5-C6	-3.93	120.12	124.53
14	n	831	CLA	CMB-C2B-C1B	-3.93	122.43	128.46
17	g	846	BCR	C38-C26-C25	-3.93	120.12	124.53
17	t	103	BCR	C20-C21-C22	-3.93	121.71	127.31
14	g	802	CLA	CMB-C2B-C1B	-3.92	122.43	128.46
14	g	854	CLA	CMB-C2B-C1B	-3.92	122.43	128.46
14	n	825	CLA	CMB-C2B-C1B	-3.92	122.44	128.46
20	B	801	SQD	O7-S-C6	3.92	111.60	106.94
14	A	821	CLA	CMB-C2B-C1B	-3.92	122.44	128.46
17	T	104	BCR	C11-C10-C9	-3.92	121.72	127.31
18	g	849	LHG	O7-C7-C8	3.92	119.94	111.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	845	BCR	C33-C5-C6	-3.92	120.13	124.53
17	y	101	BCR	C15-C14-C13	-3.91	121.72	127.31
14	B	832	CLA	CMB-C2B-C1B	-3.91	122.45	128.46
17	b	846	BCR	C15-C16-C17	-3.91	115.46	123.47
17	B	846	BCR	C33-C5-C6	-3.91	120.14	124.53
18	A	851	LHG	O7-C7-C8	3.91	119.92	111.50
14	B	815	CLA	CMB-C2B-C1B	-3.91	122.46	128.46
14	g	813	CLA	CMB-C2B-C1B	-3.90	122.46	128.46
14	b	817	CLA	CMB-C2B-C1B	-3.90	122.46	128.46
14	B	826	CLA	CMB-C2B-C1B	-3.90	122.47	128.46
19	G	851	CL0	CHB-C4A-NA	3.90	129.91	124.51
17	W	205	BCR	C16-C17-C18	-3.90	121.74	127.31
15	b	842	PQN	C11-C12-C13	-3.90	120.30	126.79
14	a	802	CLA	CMB-C2B-C1B	-3.90	122.47	128.46
17	a	846	BCR	C38-C26-C25	-3.90	120.15	124.53
17	k	102	BCR	C24-C23-C22	-3.90	120.35	126.23
14	N	833	CLA	CMB-C2B-C1B	-3.90	122.48	128.46
17	i	101	BCR	C16-C17-C18	-3.89	121.75	127.31
14	N	801	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
17	B	852	BCR	C24-C23-C22	-3.89	120.36	126.23
14	B	822	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
14	g	833	CLA	CMB-C2B-C1B	-3.89	122.48	128.46
15	B	842	PQN	C11-C12-C13	-3.89	120.31	126.79
14	n	807	CLA	CMB-C2B-C1B	-3.89	122.49	128.46
17	g	843	BCR	C33-C5-C6	-3.88	120.17	124.53
14	a	810	CLA	CMB-C2B-C1B	-3.88	122.50	128.46
14	g	829	CLA	CMB-C2B-C1B	-3.88	122.50	128.46
14	A	813	CLA	CMB-C2B-C1B	-3.88	122.50	128.46
14	g	803	CLA	CMB-C2B-C1B	-3.88	122.50	128.46
17	b	846	BCR	C33-C5-C6	-3.88	120.17	124.53
14	G	835	CLA	CMB-C2B-C1B	-3.88	122.50	128.46
20	h	1702	SQD	O47-C7-C8	3.88	119.85	111.50
14	B	819	CLA	CMB-C2B-C1B	-3.87	122.51	128.46
14	a	825	CLA	CMB-C2B-C1B	-3.87	122.51	128.46
17	G	845	BCR	C7-C8-C9	-3.87	120.39	126.23
19	A	852	CL0	CHD-C4C-C3C	-3.87	119.15	124.84
14	n	814	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
14	A	840	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
14	b	810	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
14	g	812	CLA	CMB-C2B-C1B	-3.87	122.52	128.46
17	b	843	BCR	C7-C8-C9	-3.86	120.40	126.23
17	b	844	BCR	C33-C5-C6	-3.86	120.19	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	G	849	LHG	O7-C7-C8	3.86	119.82	111.50
14	N	829	CLA	CMB-C2B-C1B	-3.86	122.53	128.46
14	G	813	CLA	CMB-C2B-C1B	-3.85	122.54	128.46
14	G	828	CLA	CMB-C2B-C1B	-3.85	122.54	128.46
14	a	834	CLA	CMB-C2B-C1B	-3.85	122.54	128.46
14	A	831	CLA	CMB-C2B-C3B	3.85	131.88	124.68
14	g	818	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
14	a	835	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
17	G	844	BCR	C33-C5-C6	-3.85	120.21	124.53
14	a	808	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
14	A	822	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
17	K	102	BCR	C3-C4-C5	-3.85	107.21	114.08
14	f	201	CLA	CMB-C2B-C1B	-3.85	122.55	128.46
17	I	102	BCR	C7-C8-C9	-3.85	120.42	126.23
17	a	845	BCR	C4-C5-C6	-3.85	117.15	122.73
17	Y	101	BCR	C38-C26-C25	-3.85	120.21	124.53
14	N	816	CLA	CMB-C2B-C1B	-3.84	122.56	128.46
14	a	813	CLA	CMB-C2B-C1B	-3.84	122.56	128.46
17	T	103	BCR	C11-C10-C9	-3.84	121.83	127.31
14	n	817	CLA	CMB-C2B-C1B	-3.84	122.56	128.46
14	G	853	CLA	CMB-C2B-C1B	-3.84	122.56	128.46
17	G	845	BCR	C4-C5-C6	-3.84	117.16	122.73
17	l	205	BCR	C20-C21-C22	-3.84	121.83	127.31
14	N	818	CLA	CMB-C2B-C1B	-3.84	122.57	128.46
17	A	848	BCR	C33-C5-C6	-3.84	120.22	124.53
14	g	808	CLA	CMB-C2B-C1B	-3.83	122.57	128.46
14	n	852	CLA	CMB-C2B-C1B	-3.83	122.57	128.46
14	n	824	CLA	CMB-C2B-C1B	-3.83	122.57	128.46
14	g	824	CLA	CMB-C2B-C1B	-3.83	122.58	128.46
19	a	851	CL0	CHB-C4A-NA	3.83	129.81	124.51
17	B	847	BCR	C16-C17-C18	-3.83	121.84	127.31
17	w	201	BCR	C16-C17-C18	-3.83	121.85	127.31
17	V	101	BCR	C3-C4-C5	-3.83	107.25	114.08
18	G	850	LHG	O7-C7-C8	3.82	119.74	111.50
14	G	827	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
14	n	830	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
17	a	848	BCR	C3-C4-C5	-3.82	107.25	114.08
14	t	101	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
14	N	817	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
14	A	826	CLA	CMB-C2B-C1B	-3.82	122.59	128.46
15	G	841	PQN	C11-C12-C13	-3.82	120.44	126.79
17	B	851	BCR	C33-C5-C6	-3.81	120.24	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
20	x	1702	SQD	O9-S-C6	3.81	111.47	106.94
14	G	803	CLA	CMB-C2B-C1B	-3.81	122.60	128.46
14	W	202	CLA	CMB-C2B-C1B	-3.81	122.60	128.46
17	A	844	BCR	C33-C5-C6	-3.81	120.25	124.53
17	G	843	BCR	C33-C5-C6	-3.80	120.26	124.53
14	g	827	CLA	CMB-C2B-C1B	-3.80	122.62	128.46
17	N	848	BCR	C20-C21-C22	-3.80	121.89	127.31
17	N	853	BCR	C3-C4-C5	-3.80	107.30	114.08
15	A	842	PQN	C11-C12-C13	-3.80	120.47	126.79
14	B	816	CLA	CMB-C2B-C1B	-3.80	122.63	128.46
15	N	843	PQN	C11-C12-C13	-3.79	120.48	126.79
14	A	803	CLA	CMB-C2B-C1B	-3.79	122.63	128.46
17	S	204	BCR	C16-C17-C18	-3.79	121.90	127.31
17	A	844	BCR	C15-C14-C13	-3.79	121.90	127.31
19	G	851	CL0	CHD-C4C-C3C	-3.79	119.27	124.84
17	A	849	BCR	C3-C4-C5	-3.79	107.31	114.08
14	B	824	CLA	CMB-C2B-C1B	-3.79	122.64	128.46
20	B	801	SQD	O9-S-O7	-3.79	100.84	113.95
17	B	847	BCR	C3-C4-C5	-3.79	107.32	114.08
14	n	833	CLA	CMB-C2B-C1B	-3.79	122.64	128.46
14	b	803	CLA	CMB-C2B-C1B	-3.79	122.65	128.46
17	B	851	BCR	C11-C10-C9	-3.78	121.91	127.31
17	G	844	BCR	C38-C26-C25	-3.78	120.28	124.53
14	N	820	CLA	CMB-C2B-C1B	-3.78	122.66	128.46
14	w	205	CLA	CMB-C2B-C1B	-3.78	122.66	128.46
14	b	825	CLA	CMB-C2B-C1B	-3.78	122.66	128.46
14	A	804	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	a	820	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
17	a	847	BCR	C20-C21-C22	-3.77	121.93	127.31
14	B	814	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	G	825	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	g	838	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	B	805	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	A	835	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
14	A	814	CLA	CMB-C2B-C1B	-3.77	122.67	128.46
17	I	102	BCR	C33-C5-C6	-3.77	120.30	124.53
14	A	809	CLA	CMB-C2B-C1B	-3.77	122.68	128.46
17	k	102	BCR	C7-C8-C9	-3.76	120.55	126.23
14	n	837	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
14	L	1501	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
14	G	837	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
14	B	812	CLA	CMB-C2B-C1B	-3.76	122.68	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	838	CLA	CMB-C2B-C1B	-3.76	122.68	128.46
20	l	201	SQD	O7-S-C6	3.76	111.41	106.94
20	h	1702	SQD	O9-S-C6	3.76	111.41	106.94
19	G	851	CL0	C2C-C1C-NC	3.76	113.49	109.97
17	n	849	BCR	C20-C21-C22	-3.76	121.95	127.31
14	A	854	CLA	CMB-C2B-C1B	-3.76	122.69	128.46
14	N	806	CLA	CMB-C2B-C1B	-3.75	122.69	128.46
14	n	820	CLA	CMB-C2B-C1B	-3.75	122.69	128.46
17	g	845	BCR	C20-C21-C22	-3.75	121.95	127.31
14	N	813	CLA	CMB-C2B-C1B	-3.75	122.70	128.46
17	M	101	BCR	C33-C5-C6	-3.75	120.31	124.53
17	a	843	BCR	C15-C14-C13	-3.75	121.96	127.31
17	G	847	BCR	C11-C10-C9	-3.75	121.96	127.31
14	B	828	CLA	CMB-C2B-C1B	-3.75	122.70	128.46
14	B	834	CLA	CMB-C2B-C1B	-3.75	122.70	128.46
17	N	848	BCR	C33-C5-C6	-3.75	120.32	124.53
17	N	853	BCR	C24-C23-C22	-3.75	120.57	126.23
14	b	853	CLA	CMB-C2B-C1B	-3.75	122.70	128.46
18	m	101	LHG	O7-C7-C8	3.75	119.57	111.50
14	a	833	CLA	CMB-C2B-C1B	-3.74	122.71	128.46
17	G	844	BCR	C11-C10-C9	-3.74	121.97	127.31
17	N	845	BCR	C33-C5-C6	-3.74	120.33	124.53
17	U	103	BCR	C24-C23-C22	-3.74	120.58	126.23
14	N	835	CLA	CMB-C2B-C1B	-3.74	122.71	128.46
14	J	102	CLA	CMB-C2B-C1B	-3.74	122.71	128.46
20	H	1702	SQD	O9-S-O7	-3.74	101.00	113.95
14	N	823	CLA	CMB-C2B-C1B	-3.74	122.71	128.46
17	N	848	BCR	C7-C8-C9	-3.74	120.59	126.23
17	n	849	BCR	C24-C23-C22	-3.74	120.59	126.23
17	n	847	BCR	C15-C14-C13	-3.74	121.97	127.31
17	n	845	BCR	C33-C5-C4	3.74	120.80	113.62
17	t	104	BCR	C15-C14-C13	-3.74	121.98	127.31
17	t	103	BCR	C3-C4-C5	-3.74	107.41	114.08
14	A	841	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
14	b	834	CLA	CMB-C2B-C1B	-3.74	122.72	128.46
17	A	856	BCR	C38-C26-C25	-3.74	120.33	124.53
14	n	836	CLA	CMB-C2B-C3B	3.73	131.66	124.68
17	K	102	BCR	C38-C26-C25	-3.73	120.34	124.53
14	A	825	CLA	CMB-C2B-C1B	-3.73	122.73	128.46
20	w	202	SQD	O7-S-C6	3.73	111.37	106.94
14	g	810	CLA	CMB-C2B-C1B	-3.73	122.73	128.46
14	b	835	CLA	CMB-C2B-C3B	3.73	131.66	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	W	206	BCR	C38-C26-C25	-3.73	120.34	124.53
14	b	818	CLA	CMB-C2B-C1B	-3.73	122.74	128.46
17	V	101	BCR	C20-C21-C22	-3.72	121.99	127.31
19	A	852	CL0	CHB-C4A-NA	3.72	129.66	124.51
17	N	852	BCR	C33-C5-C6	-3.72	120.35	124.53
20	w	202	SQD	O9-S-C6	3.72	111.36	106.94
17	u	103	BCR	C7-C8-C9	-3.72	120.61	126.23
14	B	838	CLA	CMB-C2B-C1B	-3.72	122.74	128.46
14	G	809	CLA	CMB-C2B-C1B	-3.72	122.74	128.46
14	U	102	CLA	CMB-C2B-C1B	-3.72	122.74	128.46
14	a	804	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
14	a	853	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
14	N	831	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
14	N	827	CLA	CMB-C2B-C3B	3.72	131.63	124.68
17	I	102	BCR	C11-C10-C9	-3.72	122.01	127.31
14	B	823	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
14	n	818	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
20	l	201	SQD	O9-S-O7	-3.72	101.09	113.95
14	b	822	CLA	CMB-C2B-C1B	-3.72	122.75	128.46
14	G	801	CLA	CMB-C2B-C3B	3.71	131.63	124.68
14	a	806	CLA	CMB-C2B-C1B	-3.71	122.75	128.46
20	w	202	SQD	O9-S-O7	-3.71	101.09	113.95
17	i	102	BCR	C15-C16-C17	-3.71	115.87	123.47
14	G	834	CLA	CMB-C2B-C1B	-3.71	122.76	128.46
14	b	808	CLA	CMB-C2B-C1B	-3.71	122.76	128.46
14	A	830	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
14	B	806	CLA	CMB-C2B-C3B	3.71	131.62	124.68
14	A	827	CLA	CMB-C2B-C3B	3.71	131.61	124.68
14	n	839	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
14	A	810	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
14	b	828	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
17	L	1504	BCR	C38-C26-C25	-3.71	120.37	124.53
14	N	824	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
14	n	827	CLA	CMB-C2B-C1B	-3.71	122.77	128.46
14	u	102	CLA	CMB-C2B-C1B	-3.70	122.77	128.46
17	b	848	BCR	C20-C21-C22	-3.70	122.02	127.31
17	n	842	BCR	C7-C8-C9	-3.70	120.64	126.23
14	n	819	CLA	CMB-C2B-C1B	-3.70	122.78	128.46
14	a	818	CLA	CMB-C2B-C1B	-3.70	122.78	128.46
20	b	801	SQD	O9-S-C6	3.70	111.34	106.94
14	L	1503	CLA	CMB-C2B-C1B	-3.70	122.78	128.46
17	A	845	BCR	C11-C10-C9	-3.70	122.03	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	v	101	BCR	C4-C5-C6	-3.70	117.36	122.73
14	a	817	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
17	g	844	BCR	C7-C8-C9	-3.69	120.66	126.23
14	g	819	CLA	CMB-C2B-C1B	-3.69	122.79	128.46
20	h	1702	SQD	O9-S-O7	-3.69	101.17	113.95
20	n	801	SQD	O9-S-O7	-3.69	101.17	113.95
17	w	207	BCR	C24-C23-C22	-3.69	120.66	126.23
17	B	851	BCR	C15-C14-C13	-3.69	122.04	127.31
17	a	844	BCR	C7-C8-C9	-3.69	120.66	126.23
17	l	205	BCR	C7-C8-C9	-3.69	120.66	126.23
14	n	802	CLA	CMB-C2B-C1B	-3.69	122.80	128.46
14	b	816	CLA	CMB-C2B-C1B	-3.69	122.80	128.46
14	G	831	CLA	CMB-C2B-C3B	3.69	131.58	124.68
14	G	820	CLA	CMB-C2B-C3B	3.69	131.58	124.68
17	i	101	BCR	C20-C21-C22	-3.69	122.05	127.31
17	W	201	BCR	C16-C15-C14	-3.69	115.92	123.47
14	L	1502	CLA	CMB-C2B-C1B	-3.68	122.80	128.46
17	A	856	BCR	C11-C10-C9	-3.68	122.05	127.31
18	a	849	LHG	O7-C7-C8	3.68	119.44	111.50
19	g	851	CL0	C2C-C1C-NC	3.68	113.42	109.97
14	B	809	CLA	CMB-C2B-C1B	-3.68	122.80	128.46
14	a	854	CLA	CMB-C2B-C1B	-3.68	122.80	128.46
17	G	847	BCR	C24-C23-C22	-3.68	120.67	126.23
14	A	853	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
14	g	809	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
17	A	844	BCR	C24-C23-C22	-3.68	120.68	126.23
14	N	839	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
14	B	840	CLA	CMB-C2B-C1B	-3.68	122.81	128.46
17	w	207	BCR	C11-C10-C9	-3.68	122.06	127.31
14	b	812	CLA	CMB-C2B-C1B	-3.67	122.82	128.46
19	g	851	CL0	CHD-C4C-C3C	-3.67	119.44	124.84
14	g	852	CLA	CMB-C2B-C3B	3.67	131.54	124.68
17	W	206	BCR	C15-C14-C13	-3.67	122.08	127.31
14	b	806	CLA	CMB-C2B-C3B	3.67	131.54	124.68
17	A	846	BCR	C16-C17-C18	-3.66	122.08	127.31
14	A	857	CLA	CMB-C2B-C1B	-3.66	122.83	128.46
14	A	824	CLA	CMB-C2B-C3B	3.66	131.53	124.68
17	l	205	BCR	C11-C10-C9	-3.66	122.09	127.31
14	B	837	CLA	CMB-C2B-C3B	3.66	131.53	124.68
14	B	829	CLA	CMB-C2B-C3B	3.66	131.52	124.68
17	a	846	BCR	C7-C8-C9	-3.66	120.71	126.23
14	B	825	CLA	CMB-C2B-C1B	-3.66	122.85	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	t	104	BCR	C3-C4-C5	-3.65	107.55	114.08
17	V	101	BCR	C24-C23-C22	-3.65	120.72	126.23
14	n	835	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
14	b	836	CLA	CMB-C2B-C1B	-3.65	122.85	128.46
17	N	845	BCR	C11-C10-C9	-3.65	122.10	127.31
14	g	822	CLA	CMB-C2B-C1B	-3.65	122.86	128.46
17	j	103	BCR	C20-C21-C22	-3.64	122.11	127.31
17	n	845	BCR	C38-C26-C25	-3.64	120.44	124.53
14	g	826	CLA	CMB-C2B-C3B	3.64	131.50	124.68
14	a	831	CLA	CMB-C2B-C3B	3.64	131.49	124.68
20	x	1702	SQD	O9-S-O7	-3.64	101.35	113.95
14	g	814	CLA	CMB-C2B-C1B	-3.64	122.87	128.46
17	B	843	BCR	C11-C10-C9	-3.64	122.12	127.31
14	W	204	CLA	CMB-C2B-C1B	-3.63	122.88	128.46
17	a	845	BCR	C20-C21-C22	-3.63	122.13	127.31
17	N	844	BCR	C7-C8-C9	-3.63	120.75	126.23
17	l	206	BCR	C38-C26-C25	-3.63	120.45	124.53
14	N	815	CLA	CMB-C2B-C1B	-3.63	122.89	128.46
17	L	1504	BCR	C24-C23-C22	-3.63	120.76	126.23
17	f	203	BCR	C24-C23-C22	-3.63	120.76	126.23
14	N	809	CLA	CMB-C2B-C3B	3.62	131.46	124.68
17	B	846	BCR	C7-C8-C9	-3.62	120.76	126.23
17	v	101	BCR	C7-C8-C9	-3.62	120.76	126.23
14	b	819	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
19	a	851	CL0	C1B-CHB-C4A	-3.62	122.94	130.12
14	f	202	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
17	g	843	BCR	C28-C27-C26	-3.62	107.61	114.08
14	G	819	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
14	n	822	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
14	G	802	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
14	a	852	CLA	CMB-C2B-C1B	-3.62	122.90	128.46
20	h	1702	SQD	O7-S-C6	3.62	111.24	106.94
14	n	806	CLA	CMB-C2B-C1B	-3.62	122.91	128.46
14	a	814	CLA	CMB-C2B-C1B	-3.62	122.91	128.46
14	G	808	CLA	CMB-C2B-C1B	-3.61	122.91	128.46
14	N	830	CLA	CMB-C2B-C3B	3.61	131.44	124.68
14	g	840	CLA	CMB-C2B-C3B	3.61	131.44	124.68
17	N	846	BCR	C33-C5-C6	-3.61	120.48	124.53
14	N	841	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
14	a	839	CLA	CMB-C2B-C1B	-3.61	122.92	128.46
17	a	844	BCR	C24-C23-C22	-3.61	120.79	126.23
14	T	102	CLA	CMB-C2B-C1B	-3.60	122.92	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	845	BCR	C11-C10-C9	-3.60	122.17	127.31
14	b	837	CLA	CMB-C2B-C3B	3.60	131.41	124.68
14	G	805	CLA	CMB-C2B-C3B	3.60	131.41	124.68
14	b	832	CLA	CMB-C2B-C3B	3.60	131.41	124.68
19	g	851	CL0	CMB-C2B-C3B	3.60	131.41	124.68
14	N	832	CLA	CMB-C2B-C1B	-3.60	122.94	128.46
17	l	206	BCR	C24-C23-C22	-3.59	120.80	126.23
14	B	831	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
17	U	103	BCR	C38-C26-C25	-3.59	120.49	124.53
14	N	826	CLA	CMB-C2B-C1B	-3.59	122.94	128.46
20	n	801	SQD	O7-S-C6	3.59	111.21	106.94
17	N	849	BCR	C20-C21-C22	-3.59	122.19	127.31
17	a	845	BCR	C38-C26-C25	-3.59	120.50	124.53
17	a	848	BCR	C24-C23-C22	-3.59	120.81	126.23
14	B	818	CLA	CMB-C2B-C1B	-3.59	122.95	128.46
17	U	103	BCR	C3-C4-C5	-3.59	107.67	114.08
19	A	852	CL0	C1B-CHB-C4A	-3.59	123.02	130.12
14	B	830	CLA	CMB-C2B-C3B	3.58	131.38	124.68
17	N	846	BCR	C20-C21-C22	-3.58	122.20	127.31
17	A	844	BCR	C20-C21-C22	-3.58	122.20	127.31
17	b	852	BCR	C7-C8-C9	-3.58	120.82	126.23
14	b	802	CLA	CMB-C2B-C1B	-3.58	122.96	128.46
17	i	101	BCR	C4-C5-C6	-3.58	117.54	122.73
20	b	801	SQD	O9-S-O7	-3.58	101.57	113.95
17	n	845	BCR	C36-C18-C17	-3.58	117.91	122.92
14	A	817	CLA	CMB-C2B-C1B	-3.58	122.97	128.46
17	W	206	BCR	C24-C23-C22	-3.58	120.83	126.23
14	l	203	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
17	j	104	BCR	C33-C5-C6	-3.57	120.52	124.53
17	N	852	BCR	C20-C21-C22	-3.57	122.21	127.31
14	t	102	CLA	CMB-C2B-C1B	-3.57	122.97	128.46
14	n	829	CLA	CMB-C2B-C1B	-3.57	122.98	128.46
17	k	102	BCR	C38-C26-C25	-3.57	120.52	124.53
17	g	845	BCR	C7-C8-C9	-3.57	120.84	126.23
17	u	103	BCR	C3-C4-C5	-3.57	107.70	114.08
17	J	103	BCR	C20-C21-C22	-3.57	122.22	127.31
14	b	829	CLA	CMB-C2B-C3B	3.56	131.35	124.68
14	b	826	CLA	CMB-C2B-C3B	3.56	131.35	124.68
14	g	853	CLA	CMB-C2B-C3B	3.56	131.34	124.68
14	A	808	CLA	CMB-C2B-C3B	3.56	131.34	124.68
14	b	827	CLA	CMB-C2B-C3B	3.56	131.34	124.68
14	A	828	CLA	CMB-C2B-C1B	-3.56	122.99	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	821	CLA	CMB-C2B-C3B	3.56	131.34	124.68
19	a	851	CL0	CMB-C2B-C3B	3.56	131.34	124.68
20	B	801	SQD	O9-S-C6	3.56	111.17	106.94
17	T	103	BCR	C3-C4-C5	-3.55	107.73	114.08
14	A	818	CLA	CMB-C2B-C3B	3.55	131.33	124.68
14	B	820	CLA	CMB-C2B-C3B	3.55	131.32	124.68
14	b	814	CLA	CMB-C2B-C3B	3.55	131.32	124.68
14	a	801	CLA	CMB-C2B-C3B	3.55	131.32	124.68
14	G	830	CLA	CMB-C2B-C1B	-3.55	123.01	128.46
17	g	844	BCR	C24-C23-C22	-3.55	120.88	126.23
14	N	803	CLA	CMB-C2B-C3B	3.54	131.31	124.68
15	n	841	PQN	C11-C12-C13	-3.54	120.89	126.79
18	A	850	LHG	O7-C7-C8	3.54	119.14	111.50
14	b	805	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
14	J	101	CLA	CMB-C2B-C1B	-3.54	123.02	128.46
17	G	847	BCR	C33-C5-C6	-3.54	120.55	124.53
17	K	102	BCR	C24-C23-C22	-3.54	120.89	126.23
17	B	843	BCR	C38-C26-C25	-3.54	120.56	124.53
14	a	822	CLA	CMB-C2B-C1B	-3.54	123.03	128.46
14	a	819	CLA	CMB-C2B-C3B	3.54	131.29	124.68
17	n	843	BCR	C16-C17-C18	-3.53	122.27	127.31
17	U	103	BCR	C33-C5-C6	-3.53	120.56	124.53
14	b	813	CLA	CMB-C2B-C3B	3.53	131.29	124.68
14	B	821	CLA	CMB-C2B-C1B	-3.53	123.03	128.46
14	B	808	CLA	CMB-C2B-C3B	3.53	131.29	124.68
17	a	843	BCR	C28-C27-C26	-3.53	107.78	114.08
17	m	102	BCR	C24-C23-C22	-3.53	120.91	126.23
17	I	103	BCR	C15-C14-C13	-3.52	122.28	127.31
17	I	102	BCR	C28-C27-C26	-3.52	107.79	114.08
14	A	820	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
17	A	856	BCR	C11-C12-C13	-3.52	116.52	126.42
17	J	103	BCR	C3-C4-C5	-3.52	107.79	114.08
14	W	203	CLA	CMB-C2B-C1B	-3.52	123.05	128.46
14	n	804	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
14	T	101	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
14	b	830	CLA	CMB-C2B-C3B	3.52	131.26	124.68
14	b	840	CLA	CMB-C2B-C1B	-3.52	123.06	128.46
17	b	848	BCR	C24-C23-C22	-3.52	120.92	126.23
20	x	1702	SQD	O7-S-C6	3.51	111.11	106.94
14	A	823	CLA	CMB-C2B-C1B	-3.51	123.07	128.46
17	a	846	BCR	C15-C14-C13	-3.51	122.30	127.31
14	G	812	CLA	CMB-C2B-C1B	-3.51	123.07	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	807	CLA	CMB-C2B-C1B	-3.51	123.08	128.46
17	b	847	BCR	C16-C17-C18	-3.51	122.31	127.31
14	n	834	CLA	CMB-C2B-C3B	3.50	131.23	124.68
14	a	824	CLA	CMB-C2B-C1B	-3.50	123.08	128.46
17	I	103	BCR	C11-C10-C9	-3.50	122.31	127.31
17	B	844	BCR	C16-C15-C14	-3.50	116.30	123.47
14	g	830	CLA	CMB-C2B-C3B	3.50	131.22	124.68
17	b	850	BCR	C16-C17-C18	-3.50	122.32	127.31
17	U	103	BCR	C11-C10-C9	-3.50	122.32	127.31
17	G	845	BCR	C38-C26-C25	-3.49	120.61	124.53
14	G	822	CLA	CMB-C2B-C3B	3.49	131.21	124.68
17	G	846	BCR	C28-C27-C26	-3.49	107.84	114.08
14	g	823	CLA	CMB-C2B-C3B	3.49	131.21	124.68
17	Y	101	BCR	C28-C27-C26	-3.49	107.85	114.08
17	K	102	BCR	C11-C10-C9	-3.49	122.33	127.31
14	g	834	CLA	CMB-C2B-C3B	3.49	131.20	124.68
14	B	836	CLA	CMB-C2B-C3B	3.49	131.20	124.68
14	N	805	CLA	CMB-C2B-C1B	-3.49	123.11	128.46
14	A	837	CLA	CMB-C2B-C1B	-3.49	123.11	128.46
14	g	801	CLA	CMB-C2B-C3B	3.49	131.20	124.68
17	t	103	BCR	C24-C23-C22	-3.49	120.97	126.23
14	n	810	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
14	n	811	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
17	k	102	BCR	C33-C5-C6	-3.48	120.62	124.53
17	g	848	BCR	C15-C14-C13	-3.48	122.34	127.31
14	S	201	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
14	N	821	CLA	CMB-C2B-C1B	-3.48	123.11	128.46
17	j	103	BCR	C24-C23-C22	-3.48	120.98	126.23
14	F	202	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
14	s	201	CLA	CMB-C2B-C1B	-3.48	123.12	128.46
17	a	843	BCR	C20-C21-C22	-3.48	122.35	127.31
17	I	102	BCR	C36-C18-C17	-3.48	118.05	122.92
14	G	826	CLA	CMB-C2B-C3B	3.48	131.18	124.68
17	W	201	BCR	C33-C5-C4	3.48	120.29	113.62
14	n	813	CLA	CMB-C2B-C3B	3.47	131.18	124.68
14	a	821	CLA	CMB-C2B-C1B	-3.47	123.12	128.46
17	G	846	BCR	C11-C10-C9	-3.47	122.35	127.31
14	G	807	CLA	CMB-C2B-C3B	3.47	131.18	124.68
14	A	806	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
14	a	807	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
14	A	802	CLA	CMB-C2B-C1B	-3.47	123.13	128.46
14	g	836	CLA	CMB-C2B-C3B	3.47	131.17	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	815	CLA	CMB-C2B-C3B	3.47	131.17	124.68
14	A	829	CLA	CMB-C2B-C3B	3.47	131.17	124.68
14	w	204	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
14	G	833	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
14	G	839	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
14	g	804	CLA	CMB-C2B-C1B	-3.46	123.14	128.46
14	N	808	CLA	CMB-C2B-C1B	-3.46	123.15	128.46
17	Y	101	BCR	C24-C23-C22	-3.46	121.01	126.23
14	N	831	CLA	O2D-CGD-O1D	-3.46	117.08	123.84
17	N	845	BCR	C3-C4-C5	-3.46	107.90	114.08
14	a	826	CLA	CMB-C2B-C3B	3.45	131.14	124.68
17	u	103	BCR	C38-C26-C25	-3.45	120.65	124.53
19	A	852	CL0	C2C-C1C-NC	3.45	113.21	109.97
17	a	848	BCR	C33-C5-C4	3.45	120.25	113.62
14	j	102	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
14	A	801	CLA	C1B-CHB-C4A	-3.45	123.28	130.12
14	b	824	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
17	B	843	BCR	C3-C4-C5	-3.45	107.91	114.08
14	a	809	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
17	t	104	BCR	C11-C10-C9	-3.45	122.39	127.31
17	N	847	BCR	C16-C17-C18	-3.45	122.39	127.31
14	N	812	CLA	CMB-C2B-C1B	-3.45	123.16	128.46
14	B	833	CLA	CMB-C2B-C1B	-3.45	123.17	128.46
14	A	801	CLA	CMB-C2B-C3B	3.45	131.13	124.68
14	B	827	CLA	CMB-C2B-C3B	3.45	131.13	124.68
14	N	814	CLA	CMB-C2B-C1B	-3.45	123.17	128.46
17	I	102	BCR	C38-C26-C27	3.45	120.23	113.62
14	G	823	CLA	CMB-C2B-C1B	-3.45	123.17	128.46
14	G	832	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
14	s	202	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
14	B	811	CLA	CMB-C2B-C1B	-3.44	123.17	128.46
17	u	103	BCR	C33-C5-C6	-3.44	120.67	124.53
19	a	851	CL0	C1-C2-C3	-3.44	120.09	126.04
14	a	805	CLA	CMB-C2B-C1B	-3.44	123.18	128.46
14	B	850	CLA	CMB-C2B-C1B	-3.44	123.18	128.46
19	A	852	CL0	CMB-C2B-C3B	3.44	131.10	124.68
17	v	101	BCR	C11-C10-C9	-3.43	122.41	127.31
14	n	821	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	n	828	CLA	CMB-C2B-C3B	3.43	131.10	124.68
14	B	810	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	g	820	CLA	CMB-C2B-C3B	3.43	131.10	124.68
14	A	812	CLA	CMB-C2B-C1B	-3.43	123.19	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	F	201	CLA	CMB-C2B-C1B	-3.43	123.19	128.46
14	b	807	CLA	CMB-C2B-C3B	3.43	131.09	124.68
14	B	803	CLA	CMB-C2B-C3B	3.43	131.09	124.68
17	n	843	BCR	C11-C10-C9	-3.43	122.42	127.31
17	i	102	BCR	C21-C20-C19	-3.42	112.53	123.22
14	X	1701	CLA	CMB-C2B-C1B	-3.42	123.20	128.46
17	W	206	BCR	C28-C27-C26	-3.42	107.96	114.08
17	n	849	BCR	C33-C5-C6	-3.42	120.68	124.53
14	g	811	CLA	CMB-C2B-C1B	-3.42	123.20	128.46
14	A	834	CLA	CMB-C2B-C1B	-3.42	123.20	128.46
17	J	103	BCR	C33-C5-C6	-3.42	120.69	124.53
14	l	202	CLA	CMB-C2B-C3B	3.42	131.08	124.68
14	G	817	CLA	CMB-C2B-C1B	-3.42	123.21	128.46
14	G	806	CLA	CMB-C2B-C1B	-3.42	123.21	128.46
17	G	845	BCR	C20-C21-C22	-3.42	122.43	127.31
19	A	852	CL0	C3D-C4D-ND	3.42	115.77	110.24
17	a	846	BCR	C28-C27-C26	-3.42	107.97	114.08
14	A	839	CLA	CMB-C2B-C1B	-3.42	123.21	128.46
14	G	852	CLA	CMB-C2B-C1B	-3.42	123.21	128.46
17	K	102	BCR	C33-C5-C6	-3.42	120.69	124.53
14	G	811	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
14	b	811	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
14	n	825	CLA	CMB-C2B-C3B	3.41	131.06	124.68
17	b	847	BCR	C33-C5-C6	-3.41	120.70	124.53
17	G	847	BCR	C7-C8-C9	-3.41	121.08	126.23
14	g	839	CLA	CMB-C2B-C1B	-3.41	123.22	128.46
19	g	851	CL0	C1C-C2C-C3C	-3.41	103.37	106.96
14	b	815	CLA	CMB-C2B-C3B	3.41	131.05	124.68
14	A	855	CLA	CMB-C2B-C1B	-3.41	123.23	128.46
14	N	807	CLA	CMB-C2B-C3B	3.41	131.05	124.68
17	A	849	BCR	C34-C9-C10	-3.40	118.15	122.92
14	G	836	CLA	CMB-C2B-C3B	3.40	131.05	124.68
14	b	833	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
17	n	846	BCR	C3-C4-C5	-3.40	108.00	114.08
14	n	823	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
19	G	851	CL0	C3D-C4D-ND	3.40	115.74	110.24
17	A	845	BCR	C24-C23-C22	-3.40	121.10	126.23
14	b	821	CLA	CMB-C2B-C1B	-3.40	123.24	128.46
17	B	848	BCR	C7-C8-C9	-3.40	121.10	126.23
17	G	844	BCR	C7-C8-C9	-3.40	121.11	126.23
14	g	825	CLA	CMB-C2B-C3B	3.39	131.03	124.68
14	G	815	CLA	CMB-C2B-C1B	-3.39	123.25	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	811	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
19	g	851	CL0	C3D-C4D-ND	3.39	115.72	110.24
14	b	839	CLA	CMB-C2B-C1B	-3.39	123.25	128.46
17	j	103	BCR	C38-C26-C25	-3.39	120.72	124.53
14	b	809	CLA	CMB-C2B-C1B	-3.39	123.26	128.46
14	a	803	CLA	CMB-C2B-C3B	3.39	131.02	124.68
20	H	1702	SQD	O9-S-C6	3.39	110.97	106.94
17	g	847	BCR	C24-C23-C22	-3.39	121.12	126.23
14	a	823	CLA	CMB-C2B-C1B	-3.39	123.26	128.46
14	a	827	CLA	CMB-C2B-C3B	3.38	131.01	124.68
17	n	847	BCR	C30-C25-C26	-3.38	117.85	122.61
14	B	813	CLA	CMB-C2B-C1B	-3.38	123.26	128.46
17	b	852	BCR	C3-C4-C5	-3.38	108.04	114.08
19	G	851	CL0	C1D-ND-C4D	-3.38	103.93	106.33
14	U	101	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
17	A	848	BCR	C11-C10-C9	-3.38	122.48	127.31
14	n	812	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
14	G	818	CLA	CMB-C2B-C3B	3.38	131.00	124.68
14	H	1701	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
14	n	808	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
14	L	1501	CLA	O2D-CGD-O1D	-3.38	117.23	123.84
17	s	203	BCR	C38-C26-C25	-3.38	120.73	124.53
14	n	805	CLA	CMB-C2B-C3B	3.38	131.00	124.68
14	k	101	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
14	N	822	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
14	g	821	CLA	CMB-C2B-C1B	-3.38	123.27	128.46
17	G	846	BCR	C20-C21-C22	-3.38	122.49	127.31
14	g	835	CLA	CMB-C2B-C3B	3.38	131.00	124.68
14	g	815	CLA	CMB-C2B-C1B	-3.38	123.28	128.46
17	G	843	BCR	C11-C12-C13	-3.37	116.94	126.42
17	g	845	BCR	C38-C26-C25	-3.37	120.74	124.53
17	a	843	BCR	C24-C23-C22	-3.37	121.14	126.23
17	A	845	BCR	C7-C8-C9	-3.37	121.14	126.23
14	h	1701	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
17	s	203	BCR	C24-C23-C22	-3.37	121.14	126.23
14	N	837	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
17	l	206	BCR	C28-C27-C26	-3.37	108.06	114.08
14	G	810	CLA	CMB-C2B-C3B	3.37	130.98	124.68
14	b	841	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
14	N	825	CLA	CMB-C2B-C3B	3.37	130.98	124.68
14	g	837	CLA	CMB-C2B-C1B	-3.37	123.29	128.46
14	B	839	CLA	CMB-C2B-C1B	-3.37	123.29	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	N	851	CLA	CMB-C2B-C1B	-3.36	123.29	128.46
17	A	848	BCR	C20-C21-C22	-3.36	122.51	127.31
17	B	844	BCR	C11-C10-C9	-3.36	122.51	127.31
17	B	851	BCR	C27-C26-C25	-3.36	117.85	122.73
14	G	814	CLA	CMB-C2B-C3B	3.36	130.97	124.68
20	l	201	SQD	O9-S-C6	3.36	110.93	106.94
14	G	838	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
14	a	811	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
17	G	845	BCR	C33-C5-C4	3.36	120.07	113.62
17	l	206	BCR	C33-C5-C4	3.36	120.07	113.62
17	W	205	BCR	C7-C8-C9	-3.36	121.16	126.23
14	x	1701	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
14	A	836	CLA	CMB-C2B-C1B	-3.36	123.30	128.46
14	u	101	CLA	CMB-C2B-C1B	-3.36	123.31	128.46
14	g	805	CLA	CMB-C2B-C1B	-3.35	123.31	128.46
17	F	203	BCR	C20-C21-C22	-3.35	122.53	127.31
17	A	848	BCR	C7-C8-C9	-3.35	121.17	126.23
14	A	816	CLA	CMB-C2B-C1B	-3.35	123.31	128.46
17	T	103	BCR	C28-C27-C26	-3.35	108.09	114.08
17	G	844	BCR	C28-C27-C26	-3.35	108.09	114.08
14	G	840	CLA	CMB-C2B-C1B	-3.35	123.31	128.46
17	J	103	BCR	C7-C8-C9	-3.35	121.17	126.23
19	G	851	CL0	C1B-CHB-C4A	-3.35	123.48	130.12
14	g	802	CLA	CMB-C2B-C3B	3.35	130.94	124.68
14	N	804	CLA	O2D-CGD-O1D	-3.35	117.30	123.84
17	g	846	BCR	C16-C17-C18	-3.35	122.53	127.31
17	A	846	BCR	C4-C5-C6	-3.35	117.87	122.73
17	B	852	BCR	C3-C4-C5	-3.34	108.11	114.08
14	a	816	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
14	l	204	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
14	K	101	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
14	N	840	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
14	G	824	CLA	CMB-C2B-C3B	3.34	130.93	124.68
17	I	101	BCR	C15-C14-C13	-3.34	122.55	127.31
14	a	836	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
17	t	103	BCR	C38-C26-C25	-3.34	120.78	124.53
17	A	845	BCR	C38-C26-C27	3.34	120.03	113.62
14	A	832	CLA	CMB-C2B-C1B	-3.34	123.33	128.46
14	G	804	CLA	CMB-C2B-C3B	3.34	130.92	124.68
17	n	844	BCR	C3-C4-C5	-3.34	108.12	114.08
17	t	103	BCR	C7-C8-C9	-3.33	121.20	126.23
14	b	823	CLA	CMB-C2B-C1B	-3.33	123.34	128.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	n	826	CLA	CMB-C2B-C3B	3.33	130.91	124.68
14	A	838	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
14	j	101	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
14	n	838	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
14	B	817	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
17	B	844	BCR	C24-C23-C22	-3.33	121.20	126.23
14	a	828	CLA	CMB-C2B-C1B	-3.33	123.34	128.46
14	g	806	CLA	CMB-C2B-C3B	3.33	130.91	124.68
17	B	847	BCR	C33-C5-C6	-3.33	120.79	124.53
17	J	103	BCR	C38-C26-C25	-3.33	120.79	124.53
14	A	805	CLA	CMB-C2B-C1B	-3.33	123.35	128.46
17	J	103	BCR	C24-C23-C22	-3.33	121.21	126.23
17	s	203	BCR	C33-C5-C6	-3.33	120.79	124.53
17	w	201	BCR	C11-C10-C9	-3.32	122.56	127.31
14	a	835	CLA	CMB-C2B-C3B	3.32	130.90	124.68
14	N	831	CLA	CMB-C2B-C3B	3.32	130.90	124.68
14	g	807	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
17	n	849	BCR	C28-C27-C26	-3.32	108.14	114.08
17	S	204	BCR	C20-C21-C22	-3.32	122.57	127.31
14	G	827	CLA	CMB-C2B-C3B	3.32	130.89	124.68
17	U	103	BCR	C7-C8-C9	-3.32	121.22	126.23
14	a	802	CLA	CMB-C2B-C3B	3.32	130.89	124.68
14	n	831	CLA	CMB-C2B-C3B	3.32	130.89	124.68
14	n	803	CLA	CMB-C2B-C1B	-3.32	123.36	128.46
17	f	203	BCR	C38-C26-C25	-3.32	120.80	124.53
14	B	812	CLA	O2D-CGD-O1D	-3.32	117.36	123.84
17	b	844	BCR	C3-C4-C5	-3.31	108.16	114.08
14	B	811	CLA	O2D-CGD-O1D	-3.31	117.36	123.84
14	n	816	CLA	CMB-C2B-C1B	-3.31	123.37	128.46
17	i	102	BCR	C38-C26-C25	-3.31	120.81	124.53
17	N	852	BCR	C28-C27-C26	-3.31	108.16	114.08
17	i	102	BCR	C11-C10-C9	-3.31	122.58	127.31
17	G	848	BCR	C34-C9-C10	-3.31	118.28	122.92
17	a	845	BCR	C7-C8-C9	-3.31	121.23	126.23
14	a	837	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
17	a	845	BCR	C33-C5-C4	3.31	119.97	113.62
17	g	846	BCR	C15-C16-C17	-3.31	116.70	123.47
17	N	845	BCR	C20-C21-C22	-3.31	122.59	127.31
14	G	816	CLA	CMB-C2B-C1B	-3.31	123.38	128.46
14	B	830	CLA	O2D-CGD-O1D	-3.31	117.37	123.84
19	A	852	CL0	C1D-ND-C4D	-3.31	103.99	106.33
14	N	811	CLA	CMB-C2B-C3B	3.31	130.86	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	S	204	BCR	C38-C26-C25	-3.30	120.82	124.53
19	g	851	CL0	C1D-ND-C4D	-3.30	103.99	106.33
14	g	831	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
14	A	833	CLA	CMB-C2B-C1B	-3.30	123.39	128.46
17	F	203	BCR	C38-C26-C25	-3.30	120.82	124.53
14	N	814	CLA	O2D-CGD-O1D	-3.30	117.38	123.84
17	I	103	BCR	C7-C8-C9	-3.30	121.25	126.23
17	T	103	BCR	C33-C5-C6	-3.30	120.82	124.53
14	N	829	CLA	CMB-C2B-C3B	3.30	130.85	124.68
14	n	815	CLA	CMB-C2B-C3B	3.30	130.85	124.68
17	G	844	BCR	C38-C26-C27	3.30	119.95	113.62
14	N	827	CLA	O2D-CGD-O1D	-3.30	117.39	123.84
14	B	807	CLA	CMB-C2B-C3B	3.30	130.84	124.68
17	w	207	BCR	C33-C5-C4	3.29	119.94	113.62
14	S	203	CLA	CMB-C2B-C3B	3.29	130.84	124.68
15	a	841	PQN	C14-C13-C15	3.29	120.81	115.27
14	N	828	CLA	CMB-C2B-C3B	3.29	130.83	124.68
14	G	835	CLA	CMB-C2B-C3B	3.29	130.83	124.68
17	N	845	BCR	C33-C5-C4	3.29	119.94	113.62
17	g	843	BCR	C20-C21-C22	-3.29	122.62	127.31
14	n	824	CLA	CMB-C2B-C3B	3.29	130.83	124.68
17	u	103	BCR	C28-C27-C26	-3.29	108.21	114.08
17	I	102	BCR	C3-C4-C5	-3.28	108.21	114.08
14	A	819	CLA	CMB-C2B-C3B	3.28	130.82	124.68
14	B	815	CLA	CMB-C2B-C3B	3.28	130.82	124.68
19	A	852	CL0	C2A-C3A-C4A	-3.28	96.57	101.87
17	n	844	BCR	C20-C21-C22	-3.28	122.63	127.31
14	b	838	CLA	CMB-C2B-C3B	3.28	130.82	124.68
14	B	826	CLA	CMB-C2B-C3B	3.28	130.82	124.68
17	v	101	BCR	C15-C14-C13	-3.28	122.63	127.31
17	k	102	BCR	C3-C4-C5	-3.28	108.22	114.08
14	N	810	CLA	CMB-C2B-C1B	-3.28	123.43	128.46
17	W	201	BCR	C28-C27-C26	-3.28	108.23	114.08
17	B	851	BCR	C7-C8-C9	-3.27	121.29	126.23
14	a	825	CLA	CMB-C2B-C3B	3.27	130.80	124.68
17	b	850	BCR	C28-C27-C26	-3.27	108.23	114.08
14	a	834	CLA	CMB-C2B-C3B	3.27	130.80	124.68
14	a	812	CLA	CMB-C2B-C3B	3.27	130.80	124.68
14	G	813	CLA	CMB-C2B-C3B	3.27	130.80	124.68
14	n	814	CLA	CMB-C2B-C3B	3.27	130.80	124.68
17	G	846	BCR	C38-C26-C25	-3.27	120.85	124.53
17	f	203	BCR	C33-C5-C6	-3.27	120.86	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	a	851	CL0	C3D-C4D-ND	3.27	115.53	110.24
14	B	835	CLA	CMB-C2B-C3B	3.27	130.80	124.68
14	b	831	CLA	CMB-C2B-C3B	3.27	130.79	124.68
14	a	840	CLA	CMB-C2B-C1B	-3.27	123.44	128.46
14	n	807	CLA	CMB-C2B-C3B	3.27	130.79	124.68
14	A	813	CLA	CMB-C2B-C3B	3.27	130.79	124.68
14	b	817	CLA	CMB-C2B-C3B	3.27	130.79	124.68
17	I	102	BCR	C27-C26-C25	-3.27	117.99	122.73
14	N	833	CLA	CMB-C2B-C3B	3.27	130.79	124.68
17	m	102	BCR	C11-C10-C9	-3.26	122.65	127.31
17	B	844	BCR	C28-C27-C26	-3.26	108.25	114.08
14	A	829	CLA	O2D-CGD-O1D	-3.26	117.46	123.84
14	w	203	CLA	CMB-C2B-C3B	3.26	130.78	124.68
17	W	201	BCR	C10-C11-C12	-3.26	113.04	123.22
14	B	822	CLA	CMB-C2B-C3B	3.26	130.78	124.68
14	n	832	CLA	CMB-C2B-C1B	-3.26	123.45	128.46
17	b	845	BCR	C38-C26-C25	-3.26	120.87	124.53
14	b	820	CLA	CMB-C2B-C3B	3.26	130.78	124.68
17	B	845	BCR	C38-C26-C25	-3.26	120.87	124.53
14	N	810	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
14	g	803	CLA	CMB-C2B-C3B	3.26	130.77	124.68
14	B	819	CLA	CMB-C2B-C3B	3.26	130.77	124.68
19	G	851	CL0	C1C-C2C-C3C	-3.26	103.53	106.96
14	N	813	CLA	O2D-CGD-O1D	-3.26	117.47	123.84
17	B	851	BCR	C33-C5-C4	3.26	119.87	113.62
14	B	832	CLA	CMB-C2B-C3B	3.25	130.77	124.68
14	G	828	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	a	832	CLA	CMB-C2B-C1B	-3.25	123.46	128.46
17	N	849	BCR	C24-C23-C22	-3.25	121.32	126.23
17	t	103	BCR	C28-C27-C26	-3.25	108.27	114.08
14	A	821	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	a	829	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	g	813	CLA	CMB-C2B-C3B	3.25	130.76	124.68
17	A	845	BCR	C28-C27-C26	-3.25	108.28	114.08
14	N	836	CLA	CMB-C2B-C3B	3.25	130.75	124.68
14	n	852	CLA	CMB-C2B-C3B	3.25	130.75	124.68
14	a	810	CLA	CMB-C2B-C3B	3.25	130.75	124.68
19	a	851	CL0	C2C-C1C-NC	3.25	113.01	109.97
14	N	818	CLA	CMB-C2B-C3B	3.24	130.75	124.68
14	G	837	CLA	CMB-C2B-C3B	3.24	130.74	124.68
14	A	826	CLA	CMB-C2B-C3B	3.24	130.74	124.68
17	v	101	BCR	C28-C27-C26	-3.24	108.29	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	A	849	BCR	C33-C5-C4	3.24	119.84	113.62
14	N	838	CLA	CMB-C2B-C1B	-3.24	123.49	128.46
17	G	848	BCR	C15-C14-C13	-3.24	122.69	127.31
17	F	203	BCR	C28-C27-C26	-3.24	108.30	114.08
14	G	803	CLA	CMB-C2B-C3B	3.23	130.73	124.68
14	G	853	CLA	CMB-C2B-C3B	3.23	130.73	124.68
17	N	847	BCR	C3-C4-C5	-3.23	108.31	114.08
17	B	846	BCR	C28-C27-C26	-3.23	108.31	114.08
14	A	822	CLA	CMB-C2B-C3B	3.23	130.72	124.68
14	g	812	CLA	CMB-C2B-C3B	3.23	130.72	124.68
14	b	803	CLA	CMB-C2B-C3B	3.23	130.72	124.68
14	t	101	CLA	CMB-C2B-C3B	3.23	130.72	124.68
19	A	852	CL0	C1C-C2C-C3C	-3.23	103.56	106.96
14	N	803	CLA	C1B-CHB-C4A	-3.22	123.73	130.12
14	B	828	CLA	CMB-C2B-C3B	3.22	130.71	124.68
14	a	830	CLA	CMB-C2B-C3B	3.22	130.71	124.68
17	g	845	BCR	C33-C5-C4	3.22	119.81	113.62
14	B	805	CLA	CMB-C2B-C3B	3.22	130.71	124.68
14	f	201	CLA	CMB-C2B-C3B	3.22	130.71	124.68
14	n	802	CLA	CMB-C2B-C3B	3.22	130.70	124.68
14	G	837	CLA	O2D-CGD-O1D	-3.22	117.54	123.84
14	n	817	CLA	CMB-C2B-C3B	3.22	130.70	124.68
17	B	846	BCR	C3-C4-C5	-3.22	108.33	114.08
14	a	853	CLA	CMB-C2B-C3B	3.22	130.70	124.68
17	b	845	BCR	C3-C4-C5	-3.22	108.33	114.08
17	b	845	BCR	C33-C5-C6	-3.22	120.92	124.53
17	T	104	BCR	C11-C12-C13	-3.22	117.38	126.42
14	g	824	CLA	CMB-C2B-C3B	3.22	130.69	124.68
14	N	816	CLA	CMB-C2B-C3B	3.21	130.69	124.68
14	g	818	CLA	CMB-C2B-C3B	3.21	130.69	124.68
17	a	846	BCR	C38-C26-C27	3.21	119.78	113.62
14	n	809	CLA	CMB-C2B-C3B	3.21	130.69	124.68
20	b	801	SQD	O7-S-C6	3.21	110.75	106.94
14	a	813	CLA	CMB-C2B-C3B	3.21	130.69	124.68
14	n	827	CLA	CMB-C2B-C3B	3.21	130.68	124.68
14	G	818	CLA	O2D-CGD-O1D	-3.21	117.56	123.84
17	K	102	BCR	C28-C27-C26	-3.21	108.35	114.08
14	g	829	CLA	CMB-C2B-C3B	3.21	130.68	124.68
17	A	847	BCR	C33-C5-C4	3.21	119.78	113.62
14	g	808	CLA	CMB-C2B-C3B	3.20	130.67	124.68
17	n	844	BCR	C38-C26-C25	-3.20	120.93	124.53
14	G	829	CLA	CMB-C2B-C3B	3.20	130.67	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	809	CLA	O2D-CGD-O1D	-3.20	117.58	123.84
14	b	853	CLA	CMB-C2B-C3B	3.20	130.67	124.68
17	S	204	BCR	C33-C5-C6	-3.20	120.93	124.53
17	g	847	BCR	C33-C5-C6	-3.20	120.94	124.53
17	A	856	BCR	C3-C4-C5	-3.20	108.37	114.08
19	a	851	CL0	CHD-C4C-C3C	-3.19	120.14	124.84
17	a	847	BCR	C28-C27-C26	-3.19	108.38	114.08
14	g	816	CLA	CMB-C2B-C1B	-3.19	123.56	128.46
14	g	817	CLA	CMB-C2B-C3B	3.19	130.65	124.68
17	n	845	BCR	C4-C5-C6	-3.19	118.10	122.73
14	G	825	CLA	CMB-C2B-C3B	3.19	130.64	124.68
14	n	810	CLA	O2D-CGD-O1D	-3.19	117.61	123.84
17	W	206	BCR	C33-C5-C6	-3.19	120.95	124.53
14	A	825	CLA	CMB-C2B-C3B	3.18	130.64	124.68
14	g	838	CLA	CMB-C2B-C3B	3.18	130.64	124.68
14	B	814	CLA	CMB-C2B-C3B	3.18	130.63	124.68
14	w	205	CLA	CMB-C2B-C3B	3.18	130.63	124.68
17	A	849	BCR	C15-C14-C13	-3.18	122.77	127.31
17	g	844	BCR	C28-C27-C26	-3.18	108.40	114.08
14	A	803	CLA	CMB-C2B-C3B	3.18	130.62	124.68
17	F	203	BCR	C33-C5-C6	-3.18	120.96	124.53
14	B	809	CLA	CMB-C2B-C3B	3.18	130.62	124.68
17	a	848	BCR	C20-C19-C18	-3.17	117.50	126.42
17	T	103	BCR	C38-C26-C25	-3.17	120.96	124.53
17	g	846	BCR	C36-C18-C19	3.17	123.08	118.08
14	A	835	CLA	CMB-C2B-C3B	3.17	130.61	124.68
17	t	103	BCR	C33-C5-C6	-3.17	120.97	124.53
14	n	829	CLA	CMB-C2B-C3B	3.17	130.61	124.68
17	K	102	BCR	C7-C8-C9	-3.17	121.44	126.23
14	B	834	CLA	CMB-C2B-C3B	3.17	130.61	124.68
17	W	201	BCR	C30-C25-C24	3.17	124.75	115.78
14	b	828	CLA	CMB-C2B-C3B	3.17	130.61	124.68
17	M	101	BCR	C28-C27-C26	-3.17	108.42	114.08
14	N	813	CLA	CMB-C2B-C3B	3.17	130.61	124.68
17	G	848	BCR	C3-C4-C5	-3.17	108.42	114.08
14	a	817	CLA	CMB-C2B-C3B	3.17	130.60	124.68
14	g	832	CLA	CMB-C2B-C1B	-3.17	123.60	128.46
17	N	844	BCR	C38-C26-C25	-3.17	120.97	124.53
17	g	844	BCR	C38-C26-C27	3.16	119.69	113.62
14	N	819	CLA	CMB-C2B-C1B	-3.16	123.60	128.46
17	b	844	BCR	C30-C25-C26	-3.16	118.16	122.61
17	S	204	BCR	C28-C27-C26	-3.16	108.43	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	j	104	BCR	C33-C5-C4	3.16	119.69	113.62
14	N	806	CLA	CMB-C2B-C3B	3.16	130.59	124.68
14	A	854	CLA	CMB-C2B-C3B	3.16	130.59	124.68
14	b	825	CLA	CMB-C2B-C3B	3.16	130.59	124.68
17	f	203	BCR	C28-C27-C26	-3.16	108.43	114.08
15	g	841	PQN	C14-C13-C15	3.16	120.59	115.27
17	w	201	BCR	C20-C21-C22	-3.16	122.80	127.31
14	N	817	CLA	CMB-C2B-C3B	3.16	130.59	124.68
14	B	824	CLA	CMB-C2B-C3B	3.16	130.59	124.68
14	a	806	CLA	O2D-CGD-O1D	-3.15	117.67	123.84
17	S	204	BCR	C24-C23-C22	-3.15	121.47	126.23
17	b	846	BCR	C3-C4-C5	-3.15	108.45	114.08
14	B	825	CLA	CMB-C2B-C3B	3.15	130.57	124.68
14	A	840	CLA	CMB-C2B-C3B	3.15	130.57	124.68
17	A	846	BCR	C24-C23-C22	-3.15	121.47	126.23
17	a	844	BCR	C28-C27-C26	-3.15	108.45	114.08
14	W	203	CLA	O2D-CGD-O1D	-3.15	117.68	123.84
14	n	823	CLA	O2D-CGD-O1D	-3.15	117.69	123.84
14	N	820	CLA	CMB-C2B-C3B	3.14	130.56	124.68
14	a	808	CLA	CMB-C2B-C3B	3.14	130.56	124.68
14	n	832	CLA	O2D-CGD-O1D	-3.14	117.69	123.84
14	l	202	CLA	O2D-CGD-O1D	-3.14	117.70	123.84
14	n	837	CLA	CMB-C2B-C3B	3.14	130.55	124.68
14	B	812	CLA	CMB-C2B-C3B	3.14	130.55	124.68
14	g	806	CLA	O2D-CGD-O1D	-3.14	117.70	123.84
14	B	841	CLA	CMB-C2B-C1B	-3.14	123.64	128.46
14	G	801	CLA	C1B-CHB-C4A	-3.14	123.90	130.12
14	B	834	CLA	O2D-CGD-O1D	-3.14	117.70	123.84
14	g	827	CLA	CMB-C2B-C3B	3.14	130.54	124.68
14	n	833	CLA	CMB-C2B-C3B	3.14	130.54	124.68
14	b	823	CLA	O2D-CGD-O1D	-3.13	117.71	123.84
14	g	828	CLA	O2D-CGD-O1D	-3.13	117.71	123.84
17	A	849	BCR	C8-C9-C10	3.13	123.75	118.94
14	A	804	CLA	CMB-C2B-C3B	3.13	130.54	124.68
19	G	851	CL0	CMB-C2B-C3B	3.13	130.54	124.68
14	g	833	CLA	CMB-C2B-C3B	3.13	130.54	124.68
14	a	804	CLA	CMB-C2B-C3B	3.13	130.54	124.68
14	a	806	CLA	CMB-C2B-C3B	3.13	130.54	124.68
14	N	842	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
14	N	834	CLA	CMB-C2B-C1B	-3.13	123.65	128.46
14	g	853	CLA	C1B-CHB-C4A	-3.13	123.92	130.12
14	J	102	CLA	CMB-C2B-C3B	3.13	130.53	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	847	BCR	C28-C27-C26	-3.13	108.49	114.08
14	j	101	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
17	b	847	BCR	C3-C4-C5	-3.13	108.49	114.08
17	m	102	BCR	C28-C27-C26	-3.13	108.49	114.08
14	A	841	CLA	CMB-C2B-C3B	3.13	130.53	124.68
14	n	833	CLA	O2D-CGD-O1D	-3.13	117.72	123.84
17	v	101	BCR	C33-C5-C4	3.13	119.62	113.62
17	l	206	BCR	C7-C8-C9	-3.13	121.51	126.23
17	a	844	BCR	C38-C26-C27	3.13	119.62	113.62
14	B	816	CLA	CMB-C2B-C3B	3.13	130.53	124.68
14	G	829	CLA	O2D-CGD-O1D	-3.13	117.73	123.84
14	a	838	CLA	CMB-C2B-C3B	3.12	130.52	124.68
14	A	809	CLA	CMB-C2B-C3B	3.12	130.52	124.68
14	b	809	CLA	O2D-CGD-O1D	-3.12	117.73	123.84
14	b	808	CLA	CMB-C2B-C3B	3.12	130.52	124.68
14	g	836	CLA	O2D-CGD-O1D	-3.12	117.74	123.84
14	b	834	CLA	CMB-C2B-C3B	3.12	130.51	124.68
17	G	844	BCR	C24-C23-C22	-3.12	121.53	126.23
17	W	205	BCR	C11-C10-C9	-3.11	122.86	127.31
14	B	823	CLA	CMB-C2B-C3B	3.11	130.50	124.68
14	N	835	CLA	CMB-C2B-C3B	3.11	130.50	124.68
17	I	102	BCR	C30-C25-C26	-3.11	118.23	122.61
14	n	835	CLA	CMB-C2B-C3B	3.11	130.50	124.68
14	w	203	CLA	O2D-CGD-O1D	-3.11	117.75	123.84
14	N	824	CLA	CMB-C2B-C3B	3.11	130.50	124.68
14	u	102	CLA	O2D-CGD-O1D	-3.11	117.75	123.84
17	N	846	BCR	C33-C5-C4	3.11	119.59	113.62
17	a	848	BCR	C34-C9-C10	-3.11	118.56	122.92
14	A	814	CLA	CMB-C2B-C3B	3.11	130.50	124.68
14	b	851	CLA	CMB-C2B-C1B	-3.11	123.68	128.46
14	A	833	CLA	O2D-CGD-O1D	-3.11	117.76	123.84
14	W	202	CLA	CMB-C2B-C3B	3.11	130.50	124.68
14	A	830	CLA	CMB-C2B-C3B	3.11	130.50	124.68
14	L	1502	CLA	CMB-C2B-C3B	3.11	130.50	124.68
17	g	848	BCR	C34-C9-C10	-3.11	118.57	122.92
17	n	844	BCR	C33-C5-C6	-3.11	121.04	124.53
14	b	834	CLA	O2D-CGD-O1D	-3.10	117.77	123.84
14	n	830	CLA	CMB-C2B-C3B	3.10	130.49	124.68
14	b	816	CLA	CMB-C2B-C3B	3.10	130.48	124.68
17	a	846	BCR	C11-C10-C9	-3.10	122.88	127.31
14	B	826	CLA	O2D-CGD-O1D	-3.10	117.77	123.84
17	n	849	BCR	C7-C8-C9	-3.10	121.55	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	815	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
17	k	102	BCR	C28-C27-C26	-3.10	108.54	114.08
14	N	823	CLA	CMB-C2B-C3B	3.10	130.48	124.68
14	L	1502	CLA	O2D-CGD-O1D	-3.10	117.78	123.84
14	a	820	CLA	CMB-C2B-C3B	3.10	130.47	124.68
17	B	844	BCR	C33-C5-C4	3.10	119.57	113.62
17	j	103	BCR	C28-C27-C26	-3.10	108.55	114.08
17	n	846	BCR	C33-C5-C6	-3.10	121.05	124.53
14	g	832	CLA	O2D-CGD-O1D	-3.10	117.79	123.84
14	n	820	CLA	CMB-C2B-C3B	3.10	130.47	124.68
14	b	824	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
14	U	102	CLA	CMB-C2B-C3B	3.09	130.47	124.68
14	A	840	CLA	O2D-CGD-O1D	-3.09	117.79	123.84
17	W	205	BCR	C16-C15-C14	-3.09	117.14	123.47
17	y	101	BCR	C11-C10-C9	-3.09	122.90	127.31
17	G	848	BCR	C8-C9-C10	3.09	123.68	118.94
14	U	102	CLA	O2D-CGD-O1D	-3.09	117.80	123.84
14	u	102	CLA	CMB-C2B-C3B	3.09	130.46	124.68
17	b	846	BCR	C33-C5-C4	3.09	119.55	113.62
14	n	808	CLA	O2D-CGD-O1D	-3.09	117.80	123.84
17	B	844	BCR	C3-C4-C5	-3.09	108.57	114.08
14	b	812	CLA	O2D-CGD-O1D	-3.08	117.81	123.84
14	A	857	CLA	O2D-CGD-O1D	-3.08	117.81	123.84
14	b	836	CLA	CMB-C2B-C3B	3.08	130.45	124.68
17	y	101	BCR	C28-C27-C26	-3.08	108.57	114.08
14	n	840	CLA	CMB-C2B-C1B	-3.08	123.73	128.46
17	A	848	BCR	C24-C23-C22	-3.08	121.58	126.23
14	b	818	CLA	CMB-C2B-C3B	3.08	130.44	124.68
17	L	1504	BCR	C33-C5-C6	-3.08	121.07	124.53
17	B	848	BCR	C28-C27-C26	-3.08	108.58	114.08
14	G	809	CLA	CMB-C2B-C3B	3.08	130.44	124.68
14	B	840	CLA	CMB-C2B-C3B	3.08	130.44	124.68
17	b	852	BCR	C38-C26-C25	-3.08	121.07	124.53
14	a	854	CLA	CMB-C2B-C3B	3.08	130.44	124.68
14	N	809	CLA	O2D-CGD-O1D	-3.08	117.82	123.84
14	W	202	CLA	O2D-CGD-O1D	-3.08	117.82	123.84
14	n	806	CLA	CMB-C2B-C3B	3.07	130.43	124.68
14	n	822	CLA	CMB-C2B-C3B	3.07	130.43	124.68
14	L	1503	CLA	CMB-C2B-C3B	3.07	130.43	124.68
14	a	832	CLA	O2D-CGD-O1D	-3.07	117.83	123.84
14	a	818	CLA	CMB-C2B-C3B	3.07	130.43	124.68
14	G	806	CLA	O2D-CGD-O1D	-3.07	117.83	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	810	CLA	CMB-C2B-C3B	3.07	130.43	124.68
14	A	807	CLA	O2D-CGD-O1D	-3.07	117.83	123.84
14	b	822	CLA	CMB-C2B-C3B	3.07	130.43	124.68
17	n	845	BCR	C33-C5-C6	-3.07	121.08	124.53
14	T	101	CLA	O2D-CGD-O1D	-3.07	117.83	123.84
17	a	847	BCR	C24-C23-C22	-3.07	121.60	126.23
17	A	848	BCR	C28-C27-C26	-3.07	108.60	114.08
17	A	846	BCR	C38-C26-C25	-3.07	121.08	124.53
14	b	810	CLA	CMB-C2B-C3B	3.07	130.42	124.68
14	B	825	CLA	O2D-CGD-O1D	-3.07	117.84	123.84
17	Y	101	BCR	C11-C10-C9	-3.07	122.93	127.31
14	A	817	CLA	CMB-C2B-C3B	3.07	130.41	124.68
14	A	825	CLA	O2D-CGD-O1D	-3.07	117.84	123.84
19	a	851	CL0	C1C-C2C-C3C	-3.06	103.73	106.96
14	g	819	CLA	CMB-C2B-C3B	3.06	130.41	124.68
14	A	857	CLA	CMB-C2B-C3B	3.06	130.41	124.68
17	N	852	BCR	C8-C7-C6	-3.06	118.60	127.20
14	b	838	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
14	g	822	CLA	CMB-C2B-C3B	3.06	130.40	124.68
17	W	201	BCR	C37-C22-C21	-3.06	118.64	122.92
14	g	834	CLA	O2D-CGD-O1D	-3.06	117.86	123.84
14	G	802	CLA	CMB-C2B-C3B	3.06	130.39	124.68
14	t	102	CLA	CMB-C2B-C3B	3.05	130.39	124.68
14	a	822	CLA	O2D-CGD-O1D	-3.05	117.87	123.84
14	B	838	CLA	CMB-C2B-C3B	3.05	130.39	124.68
14	b	805	CLA	C1B-CHB-C4A	-3.05	124.07	130.12
14	n	839	CLA	CMB-C2B-C3B	3.05	130.38	124.68
14	n	850	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
14	T	102	CLA	CMB-C2B-C3B	3.05	130.38	124.68
14	a	828	CLA	O2D-CGD-O1D	-3.05	117.88	123.84
14	n	819	CLA	CMB-C2B-C3B	3.04	130.38	124.68
14	N	815	CLA	CMB-C2B-C3B	3.04	130.37	124.68
14	n	818	CLA	CMB-C2B-C3B	3.04	130.37	124.68
17	U	103	BCR	C28-C27-C26	-3.04	108.64	114.08
14	b	820	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
17	t	104	BCR	C7-C8-C9	-3.04	121.64	126.23
14	b	805	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
14	B	850	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
14	a	833	CLA	CMB-C2B-C3B	3.04	130.37	124.68
14	B	819	CLA	O2D-CGD-O1D	-3.04	117.89	123.84
14	b	803	CLA	O2D-CGD-O1D	-3.04	117.90	123.84
14	n	838	CLA	O2D-CGD-O1D	-3.04	117.90	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	852	CLA	C1B-CHB-C4A	-3.04	124.10	130.12
19	A	852	CL0	O2D-CGD-O1D	-3.04	117.90	123.84
20	l	201	SQD	O8-S-C6	3.04	110.58	105.74
17	A	844	BCR	C28-C27-C26	-3.03	108.66	114.08
17	I	102	BCR	C15-C14-C13	-3.03	122.98	127.31
14	L	1501	CLA	CMB-C2B-C3B	3.03	130.35	124.68
17	l	205	BCR	C33-C5-C6	-3.03	121.12	124.53
19	a	851	CL0	O2D-CGD-O1D	-3.03	117.91	123.84
14	a	817	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
17	G	845	BCR	C24-C23-C22	-3.03	121.65	126.23
14	B	818	CLA	CMB-C2B-C3B	3.03	130.35	124.68
17	T	103	BCR	C20-C21-C22	-3.03	122.98	127.31
14	n	829	CLA	O2D-CGD-O1D	-3.03	117.91	123.84
14	B	804	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
14	N	851	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
14	n	807	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
17	n	847	BCR	C7-C8-C9	-3.03	121.66	126.23
17	W	201	BCR	C23-C22-C21	3.03	123.59	118.94
14	N	835	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
14	b	819	CLA	CMB-C2B-C3B	3.03	130.34	124.68
14	N	804	CLA	CMB-C2B-C1B	-3.03	123.81	128.46
17	a	848	BCR	C15-C14-C13	-3.03	122.99	127.31
17	w	207	BCR	C38-C26-C27	3.03	119.43	113.62
14	a	827	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
17	A	845	BCR	C3-C4-C5	-3.02	108.68	114.08
14	A	838	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
14	G	819	CLA	CMB-C2B-C3B	3.02	130.33	124.68
14	A	826	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
14	l	203	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
14	b	833	CLA	O2D-CGD-O1D	-3.02	117.94	123.84
14	g	814	CLA	CMB-C2B-C3B	3.02	130.32	124.68
14	b	805	CLA	CMB-C2B-C3B	3.02	130.32	124.68
14	A	841	CLA	O2D-CGD-O1D	-3.01	117.94	123.84
14	G	839	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	g	810	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
17	b	844	BCR	C38-C26-C27	3.01	119.40	113.62
14	a	839	CLA	CMB-C2B-C3B	3.01	130.31	124.68
14	B	841	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	N	839	CLA	CMB-C2B-C3B	3.01	130.31	124.68
17	b	846	BCR	C11-C12-C13	-3.01	117.96	126.42
17	N	847	BCR	C33-C5-C4	3.01	119.40	113.62
14	n	818	CLA	O2D-CGD-O1D	-3.01	117.95	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	839	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	J	101	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
14	a	805	CLA	O2D-CGD-O1D	-3.01	117.95	123.84
17	M	101	BCR	C8-C7-C6	-3.01	118.75	127.20
14	g	854	CLA	CMB-C2B-C3B	3.01	130.31	124.68
17	L	1504	BCR	C28-C27-C26	-3.01	108.71	114.08
14	B	824	CLA	O2D-CGD-O1D	-3.00	117.96	123.84
17	N	853	BCR	C38-C26-C25	-3.00	121.15	124.53
14	g	828	CLA	CMB-C2B-C3B	3.00	130.30	124.68
17	g	843	BCR	C11-C12-C13	-3.00	117.98	126.42
14	A	828	CLA	CMB-C2B-C3B	3.00	130.29	124.68
14	n	806	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
14	A	821	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
14	a	839	CLA	O2D-CGD-O1D	-3.00	117.97	123.84
14	b	826	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
17	B	846	BCR	C33-C5-C4	3.00	119.38	113.62
14	A	830	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
14	W	204	CLA	CMB-C2B-C3B	3.00	130.29	124.68
14	A	805	CLA	O2D-CGD-O1D	-3.00	117.98	123.84
17	G	843	BCR	C24-C23-C22	-3.00	121.71	126.23
14	W	204	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
14	b	839	CLA	O2D-CGD-O1D	-2.99	117.98	123.84
17	T	104	BCR	C23-C24-C25	-2.99	118.79	127.20
17	B	851	BCR	C8-C7-C6	-2.99	118.80	127.20
17	I	103	BCR	C20-C21-C22	-2.99	123.04	127.31
14	a	814	CLA	CMB-C2B-C3B	2.99	130.28	124.68
14	n	850	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
14	B	828	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
17	b	844	BCR	C28-C27-C26	-2.99	108.74	114.08
14	N	805	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
14	G	834	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	n	852	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
17	n	843	BCR	C3-C4-C5	-2.99	108.74	114.08
14	n	811	CLA	O2D-CGD-O1D	-2.99	117.99	123.84
14	N	812	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
14	N	823	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
14	l	203	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	a	854	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
17	J	103	BCR	C28-C27-C26	-2.99	108.74	114.08
14	a	828	CLA	CMB-C2B-C3B	2.99	130.27	124.68
14	b	813	CLA	O2D-CGD-O1D	-2.99	118.00	123.84
17	G	846	BCR	C33-C5-C4	2.98	119.35	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	t	104	BCR	C33-C5-C6	-2.98	121.18	124.53
14	g	837	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	A	811	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	n	840	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	A	803	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	N	826	CLA	CMB-C2B-C3B	2.98	130.26	124.68
17	T	103	BCR	C24-C23-C22	-2.98	121.73	126.23
14	a	801	CLA	O2D-CGD-O1D	-2.98	118.01	123.84
14	G	808	CLA	CMB-C2B-C3B	2.98	130.25	124.68
17	G	848	BCR	C33-C5-C4	2.98	119.34	113.62
14	N	828	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
14	N	815	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
14	B	818	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
14	a	824	CLA	CMB-C2B-C3B	2.98	130.25	124.68
14	A	826	CLA	CHD-C1D-ND	-2.98	121.72	124.45
17	I	101	BCR	C30-C25-C26	-2.97	118.42	122.61
17	a	847	BCR	C30-C25-C26	-2.97	118.42	122.61
14	N	808	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	g	807	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	N	801	CLA	CMB-C2B-C3B	2.97	130.24	124.68
14	N	819	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	B	808	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
19	g	851	CL0	O2D-CGD-O1D	-2.97	118.03	123.84
17	T	103	BCR	C7-C8-C9	-2.97	121.74	126.23
14	g	830	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
17	M	101	BCR	C24-C23-C22	-2.97	121.75	126.23
14	w	204	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	a	802	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
17	N	852	BCR	C11-C10-C9	-2.97	123.07	127.31
14	n	817	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
14	A	807	CLA	CMB-C2B-C3B	2.97	130.23	124.68
14	n	828	CLA	O2D-CGD-O1D	-2.97	118.04	123.84
14	n	816	CLA	O2D-CGD-O1D	-2.97	118.04	123.84
14	W	203	CLA	CMB-C2B-C3B	2.96	130.22	124.68
17	B	846	BCR	C38-C26-C27	2.96	119.31	113.62
14	B	831	CLA	CMB-C2B-C3B	2.96	130.22	124.68
14	g	853	CLA	O2D-CGD-O1D	-2.96	118.04	123.84
17	I	101	BCR	C16-C15-C14	-2.96	117.40	123.47
17	a	846	BCR	C19-C18-C17	2.96	123.49	118.94
14	g	818	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
14	N	837	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
14	A	853	CLA	O2D-CGD-O1D	-2.96	118.05	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	N	822	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
17	N	845	BCR	C7-C8-C9	-2.96	121.76	126.23
14	N	841	CLA	CMB-C2B-C3B	2.96	130.21	124.68
14	n	812	CLA	O2D-CGD-O1D	-2.96	118.05	123.84
14	N	832	CLA	CMB-C2B-C3B	2.96	130.21	124.68
17	W	201	BCR	C33-C5-C6	-2.96	121.21	124.53
14	a	818	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
14	N	818	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
14	A	828	CLA	O2D-CGD-O1D	-2.96	118.06	123.84
14	G	807	CLA	O2D-CGD-O1D	-2.95	118.06	123.84
17	i	101	BCR	C2-C1-C6	2.95	115.03	110.48
14	g	840	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
17	N	845	BCR	C28-C27-C26	-2.95	108.81	114.08
17	A	847	BCR	C38-C26-C27	2.95	119.28	113.62
14	G	811	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
14	g	817	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
14	A	810	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
14	A	820	CLA	CMB-C2B-C3B	2.95	130.19	124.68
14	G	819	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
14	g	854	CLA	O2D-CGD-O1D	-2.95	118.08	123.84
17	B	844	BCR	C38-C26-C27	2.94	119.27	113.62
14	w	204	CLA	CMB-C2B-C3B	2.94	130.19	124.68
14	a	822	CLA	CMB-C2B-C3B	2.94	130.19	124.68
17	a	846	BCR	C36-C18-C17	-2.94	118.80	122.92
14	a	837	CLA	O2D-CGD-O1D	-2.94	118.08	123.84
14	A	839	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	b	808	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	N	829	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	X	1701	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	N	805	CLA	CMB-C2B-C3B	2.94	130.18	124.68
14	b	832	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
17	W	206	BCR	C33-C5-C4	2.94	119.26	113.62
19	g	851	CL0	C4D-CHA-C1A	-2.94	117.67	121.25
14	N	840	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	n	835	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	b	807	CLA	O2D-CGD-O1D	-2.94	118.09	123.84
14	n	825	CLA	O2D-CGD-O1D	-2.94	118.10	123.84
14	s	202	CLA	O2D-CGD-O1D	-2.94	118.10	123.84
17	B	845	BCR	C20-C21-C22	-2.94	123.12	127.31
14	a	823	CLA	CMB-C2B-C3B	2.93	130.17	124.68
14	B	829	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
14	N	839	CLA	O2D-CGD-O1D	-2.93	118.10	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	817	CLA	CMB-C2B-C3B	2.93	130.17	124.68
14	g	816	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
14	g	820	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
14	G	824	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
14	N	833	CLA	O2D-CGD-O1D	-2.93	118.10	123.84
17	w	207	BCR	C7-C8-C9	-2.93	121.80	126.23
14	B	821	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	G	833	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
14	G	832	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	N	808	CLA	CMB-C2B-C3B	2.93	130.16	124.68
14	N	834	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
14	N	826	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
17	W	201	BCR	C16-C17-C18	-2.93	123.13	127.31
14	G	801	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
14	b	804	CLA	CMB-C2B-C1B	-2.93	123.97	128.46
14	B	807	CLA	O2D-CGD-O1D	-2.93	118.12	123.84
14	j	102	CLA	CMB-C2B-C3B	2.93	130.15	124.68
17	n	845	BCR	C11-C12-C13	-2.92	118.20	126.42
14	B	820	CLA	O2D-CGD-O1D	-2.92	118.12	123.84
19	g	851	CL0	CHB-C4A-NA	2.92	128.56	124.51
14	N	842	CLA	O2D-CGD-O1D	-2.92	118.12	123.84
17	A	856	BCR	C23-C24-C25	-2.92	118.99	127.20
14	A	822	CLA	O2D-CGD-O1D	-2.92	118.12	123.84
14	G	821	CLA	O2D-CGD-O1D	-2.92	118.12	123.84
17	a	846	BCR	C10-C11-C12	-2.92	114.10	123.22
17	N	845	BCR	C8-C7-C6	-2.92	119.00	127.20
14	A	837	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
14	f	202	CLA	CMB-C2B-C3B	2.92	130.14	124.68
17	N	847	BCR	C15-C16-C17	-2.92	117.49	123.47
14	G	828	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
17	F	203	BCR	C24-C23-C22	-2.92	121.82	126.23
14	n	831	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
14	n	837	CLA	O2D-CGD-O1D	-2.92	118.13	123.84
17	W	201	BCR	C4-C5-C6	-2.92	118.49	122.73
14	N	820	CLA	O2D-CGD-O1D	-2.92	118.14	123.84
17	N	848	BCR	C3-C4-C5	-2.92	108.87	114.08
14	a	835	CLA	O2D-CGD-O1D	-2.92	118.14	123.84
17	L	1504	BCR	C33-C5-C4	2.92	119.22	113.62
14	G	852	CLA	CMB-C2B-C3B	2.92	130.13	124.68
17	n	849	BCR	C11-C10-C9	-2.91	123.15	127.31
14	A	806	CLA	O2D-CGD-O1D	-2.91	118.14	123.84
17	T	104	BCR	C20-C21-C22	-2.91	123.15	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	b	846	BCR	C20-C21-C22	-2.91	123.16	127.31
17	G	844	BCR	C3-C4-C5	-2.91	108.88	114.08
17	W	201	BCR	C15-C14-C13	-2.91	123.16	127.31
17	y	101	BCR	C23-C24-C25	-2.91	119.03	127.20
17	b	845	BCR	C20-C21-C22	-2.91	123.16	127.31
14	n	813	CLA	O2D-CGD-O1D	-2.91	118.15	123.84
17	a	845	BCR	C24-C23-C22	-2.91	121.84	126.23
14	g	809	CLA	CMB-C2B-C3B	2.91	130.12	124.68
14	b	810	CLA	O2D-CGD-O1D	-2.91	118.16	123.84
17	M	101	BCR	C23-C24-C25	-2.91	119.04	127.20
14	A	823	CLA	CMB-C2B-C3B	2.91	130.11	124.68
17	a	844	BCR	C3-C4-C5	-2.90	108.89	114.08
20	b	801	SQD	O8-S-C6	2.90	110.37	105.74
14	a	811	CLA	O2D-CGD-O1D	-2.90	118.16	123.84
14	a	852	CLA	CMB-C2B-C3B	2.90	130.11	124.68
17	b	848	BCR	C11-C10-C9	-2.90	123.17	127.31
17	b	850	BCR	C15-C16-C17	-2.90	117.53	123.47
14	B	821	CLA	O2D-CGD-O1D	-2.90	118.16	123.84
14	g	810	CLA	CMB-C2B-C3B	2.90	130.11	124.68
17	N	846	BCR	C38-C26-C25	-2.90	121.27	124.53
17	G	844	BCR	C23-C24-C25	-2.90	119.05	127.20
14	G	838	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	A	819	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	b	840	CLA	CMB-C2B-C3B	2.90	130.10	124.68
14	g	839	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	a	836	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	b	836	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	g	803	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	b	818	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
17	B	848	BCR	C11-C10-C9	-2.90	123.18	127.31
14	G	830	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	G	836	CLA	O2D-CGD-O1D	-2.90	118.17	123.84
14	G	827	CLA	O2D-CGD-O1D	-2.90	118.18	123.84
14	N	825	CLA	O2D-CGD-O1D	-2.90	118.18	123.84
14	n	802	CLA	C1B-CHB-C4A	-2.90	124.38	130.12
14	a	825	CLA	O2D-CGD-O1D	-2.89	118.18	123.84
14	s	201	CLA	CMB-C2B-C3B	2.89	130.09	124.68
14	A	853	CLA	CMB-C2B-C3B	2.89	130.09	124.68
14	N	805	CLA	C1B-CHB-C4A	-2.89	124.39	130.12
14	A	802	CLA	CMB-C2B-C3B	2.89	130.09	124.68
17	n	847	BCR	C27-C26-C25	-2.89	118.53	122.73
17	N	852	BCR	C24-C23-C22	-2.89	121.86	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	N	816	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	b	825	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	A	802	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	b	841	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	G	830	CLA	CMB-C2B-C3B	2.89	130.09	124.68
14	N	841	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	g	819	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
17	g	845	BCR	C23-C24-C25	-2.89	119.09	127.20
14	G	803	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	a	853	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
17	g	847	BCR	C38-C26-C27	2.89	119.17	113.62
14	J	101	CLA	CMB-C2B-C3B	2.89	130.08	124.68
14	G	835	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	B	814	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	N	830	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
14	f	201	CLA	O2D-CGD-O1D	-2.89	118.19	123.84
17	y	101	BCR	C8-C7-C6	-2.89	119.10	127.20
17	m	102	BCR	C8-C7-C6	-2.89	119.10	127.20
14	g	835	CLA	O2D-CGD-O1D	-2.89	118.20	123.84
14	b	824	CLA	CMB-C2B-C3B	2.89	130.08	124.68
14	b	802	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	b	817	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	b	851	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	G	823	CLA	CMB-C2B-C3B	2.88	130.07	124.68
14	A	855	CLA	CMB-C2B-C3B	2.88	130.07	124.68
14	G	804	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	g	815	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
17	l	206	BCR	C4-C5-C6	-2.88	118.55	122.73
14	A	816	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	n	811	CLA	CMB-C2B-C3B	2.88	130.07	124.68
14	b	814	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	g	827	CLA	O2D-CGD-O1D	-2.88	118.20	123.84
14	b	827	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	A	813	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
17	y	101	BCR	C24-C23-C22	-2.88	121.88	126.23
17	W	201	BCR	C38-C26-C27	2.88	119.15	113.62
17	b	848	BCR	C8-C7-C6	-2.88	119.12	127.20
14	G	826	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	B	837	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	b	804	CLA	C1B-CHB-C4A	-2.88	124.42	130.12
17	a	847	BCR	C38-C26-C27	2.88	119.14	113.62
14	a	820	CLA	O2D-CGD-O1D	-2.88	118.21	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	813	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	w	205	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	g	801	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	g	804	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	a	804	CLA	O2D-CGD-O1D	-2.88	118.21	123.84
14	g	805	CLA	O2D-CGD-O1D	-2.88	118.22	123.84
17	L	1504	BCR	C8-C7-C6	-2.88	119.13	127.20
14	A	801	CLA	O2D-CGD-O1D	-2.88	118.22	123.84
14	a	819	CLA	O2D-CGD-O1D	-2.88	118.22	123.84
14	a	840	CLA	O2D-CGD-O1D	-2.88	118.22	123.84
17	G	847	BCR	C38-C26-C27	2.88	119.14	113.62
17	A	848	BCR	C38-C26-C27	2.87	119.14	113.62
14	G	810	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	A	817	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	B	827	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	B	803	CLA	C1B-CHB-C4A	-2.87	124.42	130.12
14	N	817	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
17	B	844	BCR	C7-C8-C9	-2.87	121.89	126.23
14	A	835	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
14	A	824	CLA	O2D-CGD-O1D	-2.87	118.22	123.84
17	b	846	BCR	C24-C23-C22	-2.87	121.90	126.23
17	K	102	BCR	C38-C26-C27	2.87	119.13	113.62
17	y	101	BCR	C38-C26-C27	2.87	119.13	113.62
14	a	810	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	a	824	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	b	819	CLA	O2D-CGD-O1D	-2.87	118.23	123.84
14	a	853	CLA	C1B-CHB-C4A	-2.87	124.44	130.12
14	a	811	CLA	CMB-C2B-C3B	2.87	130.04	124.68
14	B	803	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
19	G	851	CL0	C4D-CHA-C1A	-2.86	117.76	121.25
14	N	836	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
19	A	852	CL0	C4D-CHA-C1A	-2.86	117.77	121.25
14	B	816	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
14	g	829	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
14	b	811	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
14	B	822	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
14	B	815	CLA	O2D-CGD-O1D	-2.86	118.24	123.84
14	T	101	CLA	CMB-C2B-C3B	2.86	130.03	124.68
14	g	825	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
17	w	207	BCR	C33-C5-C6	-2.86	121.32	124.53
14	A	807	CLA	CAA-C2A-C1A	-2.86	102.61	111.97
14	F	202	CLA	O2D-CGD-O1D	-2.86	118.25	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	804	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
17	a	847	BCR	C33-C5-C6	-2.86	121.32	124.53
14	B	832	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
17	N	846	BCR	C3-C4-C5	-2.86	108.98	114.08
14	a	814	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	G	839	CLA	CMB-C2B-C3B	2.85	130.02	124.68
17	B	845	BCR	C37-C22-C21	-2.85	118.92	122.92
17	g	847	BCR	C30-C25-C26	-2.85	118.59	122.61
14	L	1503	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	n	820	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	B	813	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	g	831	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	G	815	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	b	822	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
17	B	852	BCR	C38-C26-C25	-2.85	121.33	124.53
14	n	827	CLA	O2D-CGD-O1D	-2.85	118.26	123.84
14	g	821	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	n	802	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	b	805	CLA	CAC-C3C-C4C	2.85	128.51	124.81
17	N	848	BCR	C15-C16-C17	-2.85	117.64	123.47
17	t	104	BCR	C20-C19-C18	-2.85	118.41	126.42
14	n	814	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	A	832	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	a	834	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	A	816	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	g	823	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	g	824	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	n	804	CLA	CMB-C2B-C3B	2.85	130.00	124.68
14	g	813	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	b	840	CLA	O2D-CGD-O1D	-2.85	118.27	123.84
14	S	201	CLA	CMB-C2B-C3B	2.85	130.00	124.68
14	b	815	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	N	807	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	b	831	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	b	853	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	b	839	CLA	CMB-C2B-C3B	2.84	130.00	124.68
14	A	809	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	a	816	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
17	A	849	BCR	C20-C19-C18	-2.84	118.43	126.42
14	G	831	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	S	203	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	n	821	CLA	O2D-CGD-O1D	-2.84	118.28	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	805	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	n	805	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
17	A	844	BCR	C11-C12-C13	-2.84	118.44	126.42
14	N	801	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	a	831	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
14	A	815	CLA	O2D-CGD-O1D	-2.84	118.28	123.84
17	a	848	BCR	C8-C9-C10	2.84	123.30	118.94
17	b	844	BCR	C20-C21-C22	-2.84	123.26	127.31
14	a	809	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
14	g	802	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
17	g	844	BCR	C3-C4-C5	-2.84	109.01	114.08
14	B	805	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
17	w	201	BCR	C3-C4-C5	-2.84	109.01	114.08
14	A	832	CLA	CMB-C2B-C3B	2.84	129.99	124.68
14	A	818	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
14	a	830	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
14	G	816	CLA	O2D-CGD-O1D	-2.84	118.29	123.84
17	A	845	BCR	C23-C24-C25	-2.83	119.24	127.20
14	A	804	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	a	803	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	n	803	CLA	CMB-C2B-C3B	2.83	129.98	124.68
14	G	808	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	b	806	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	G	833	CLA	CMB-C2B-C3B	2.83	129.98	124.68
14	b	830	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
14	H	1701	CLA	O2D-CGD-O1D	-2.83	118.30	123.84
17	B	848	BCR	C16-C15-C14	-2.83	117.67	123.47
14	a	807	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	X	1701	CLA	CMB-C2B-C3B	2.83	129.97	124.68
17	a	843	BCR	C33-C5-C4	2.83	119.05	113.62
17	G	847	BCR	C30-C25-C26	-2.83	118.63	122.61
17	G	846	BCR	C15-C16-C17	-2.83	117.68	123.47
17	g	846	BCR	C10-C11-C12	-2.83	114.39	123.22
17	B	844	BCR	C20-C19-C18	-2.83	118.47	126.42
17	a	846	BCR	C33-C5-C4	2.83	119.04	113.62
17	n	843	BCR	C28-C27-C26	-2.83	109.03	114.08
14	n	830	CLA	O2D-CGD-O1D	-2.83	118.31	123.84
14	n	836	CLA	O2D-CGD-O1D	-2.82	118.31	123.84
17	b	843	BCR	C30-C25-C26	-2.82	118.64	122.61
14	x	1701	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
14	n	815	CLA	O2D-CGD-O1D	-2.82	118.32	123.84
14	n	808	CLA	CMB-C2B-C3B	2.82	129.95	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	F	201	CLA	CMB-C2B-C3B	2.82	129.95	124.68
17	T	104	BCR	C7-C8-C9	-2.82	121.97	126.23
17	b	848	BCR	C7-C8-C9	-2.82	121.97	126.23
14	n	826	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	l	204	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	B	806	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	f	202	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	N	840	CLA	CMB-C2B-C3B	2.82	129.95	124.68
17	g	848	BCR	C8-C9-C10	2.82	123.27	118.94
14	n	834	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	B	817	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	G	814	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	n	809	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	B	833	CLA	O2D-CGD-O1D	-2.82	118.33	123.84
14	g	811	CLA	CMB-C2B-C3B	2.82	129.94	124.68
14	F	202	CLA	CMB-C2B-C3B	2.82	129.94	124.68
14	g	831	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	A	812	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	n	804	CLA	C1B-CHB-C4A	-2.81	124.54	130.12
20	x	1702	SQD	O8-S-C6	2.81	110.22	105.74
14	A	808	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	G	840	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	t	101	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
17	l	206	BCR	C33-C5-C6	-2.81	121.37	124.53
14	n	819	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	n	824	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
17	B	845	BCR	C33-C5-C4	2.81	119.01	113.62
14	g	826	CLA	C1B-CHB-C4A	-2.81	124.55	130.12
14	b	809	CLA	CMB-C2B-C3B	2.81	129.94	124.68
17	N	847	BCR	C28-C27-C26	-2.81	109.06	114.08
14	a	821	CLA	O2D-CGD-O1D	-2.81	118.34	123.84
14	G	812	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	n	822	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	g	808	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	G	817	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	B	836	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	g	814	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
17	w	206	BCR	C33-C5-C6	-2.81	121.38	124.53
17	W	201	BCR	C24-C25-C26	-2.81	114.66	121.46
14	s	202	CLA	CMB-C2B-C3B	2.81	129.93	124.68
14	A	805	CLA	CMB-C2B-C3B	2.81	129.93	124.68
14	A	820	CLA	O2D-CGD-O1D	-2.81	118.35	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	n	846	BCR	C15-C16-C17	-2.81	117.73	123.47
14	G	823	CLA	O2D-CGD-O1D	-2.81	118.35	123.84
14	N	824	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	g	822	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	n	839	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	A	854	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	a	812	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
17	g	845	BCR	C38-C26-C27	2.80	119.00	113.62
17	j	104	BCR	C20-C19-C18	-2.80	118.55	126.42
14	B	838	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	a	808	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	G	802	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	N	838	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	a	823	CLA	O2D-CGD-O1D	-2.80	118.36	123.84
14	a	838	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
19	G	851	CL0	C1-C2-C3	-2.80	121.20	126.04
14	G	820	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
14	A	831	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
14	A	836	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
17	n	842	BCR	C38-C26-C25	-2.80	121.39	124.53
17	A	856	BCR	C38-C26-C27	2.80	118.99	113.62
14	a	816	CLA	CMB-C2B-C3B	2.80	129.91	124.68
14	N	806	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
14	A	823	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
15	B	842	PQN	C14-C13-C15	2.79	119.97	115.27
14	G	822	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
14	a	813	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
14	g	812	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
20	B	801	SQD	O8-S-C6	2.79	110.19	105.74
14	g	807	CLA	CMB-C2B-C3B	2.79	129.90	124.68
20	w	202	SQD	O8-S-C6	2.79	110.19	105.74
14	N	804	CLA	C1B-CHB-C4A	-2.79	124.59	130.12
14	B	811	CLA	CMB-C2B-C3B	2.79	129.90	124.68
14	b	828	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
14	N	810	CLA	CMB-C2B-C3B	2.79	129.90	124.68
14	G	834	CLA	O2D-CGD-O1D	-2.79	118.38	123.84
17	A	847	BCR	C15-C16-C17	-2.79	117.76	123.47
17	w	207	BCR	C28-C27-C26	-2.79	109.10	114.08
14	b	816	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
17	N	853	BCR	C2-C1-C6	2.79	114.77	110.48
14	B	839	CLA	CMB-C2B-C3B	2.79	129.89	124.68
14	B	835	CLA	O2D-CGD-O1D	-2.79	118.39	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	h	1701	CLA	O2D-CGD-O1D	-2.79	118.39	123.84
17	i	102	BCR	C12-C13-C14	-2.79	114.67	118.94
14	a	809	CLA	CMB-C2B-C3B	2.79	129.89	124.68
14	G	825	CLA	O2D-CGD-O1D	-2.78	118.39	123.84
14	n	838	CLA	CMB-C2B-C3B	2.78	129.88	124.68
14	G	812	CLA	CMB-C2B-C3B	2.78	129.88	124.68
14	B	833	CLA	CMB-C2B-C3B	2.78	129.88	124.68
14	g	809	CLA	O2D-CGD-O1D	-2.78	118.40	123.84
14	g	804	CLA	CMB-C2B-C3B	2.78	129.88	124.68
14	A	814	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
14	F	201	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
14	b	821	CLA	O2D-CGD-O1D	-2.78	118.41	123.84
17	N	849	BCR	C8-C7-C6	-2.78	119.40	127.20
14	N	812	CLA	CMB-C2B-C3B	2.78	129.87	124.68
14	K	101	CLA	CMB-C2B-C3B	2.78	129.87	124.68
14	n	821	CLA	CMB-C2B-C3B	2.78	129.87	124.68
14	G	811	CLA	CMB-C2B-C3B	2.77	129.87	124.68
14	n	823	CLA	CMB-C2B-C3B	2.77	129.87	124.68
14	g	833	CLA	O2D-CGD-O1D	-2.77	118.41	123.84
14	B	810	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	a	833	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	U	101	CLA	CMB-C2B-C3B	2.77	129.87	124.68
14	h	1701	CLA	CMB-C2B-C3B	2.77	129.86	124.68
14	x	1701	CLA	CMB-C2B-C3B	2.77	129.86	124.68
14	G	853	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
14	b	835	CLA	O2D-CGD-O1D	-2.77	118.42	123.84
17	F	203	BCR	C23-C24-C25	-2.77	119.42	127.20
14	A	837	CLA	CMB-C2B-C3B	2.77	129.86	124.68
17	V	101	BCR	C4-C5-C6	-2.77	118.71	122.73
17	I	103	BCR	C16-C15-C14	-2.77	117.80	123.47
17	A	856	BCR	C16-C15-C14	-2.77	117.81	123.47
14	A	839	CLA	CMB-C2B-C3B	2.77	129.85	124.68
14	N	832	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
17	b	843	BCR	C38-C26-C27	2.77	118.93	113.62
14	B	804	CLA	O2D-CGD-O1D	-2.77	118.43	123.84
14	N	821	CLA	CMB-C2B-C3B	2.77	129.85	124.68
14	g	821	CLA	CMB-C2B-C3B	2.76	129.85	124.68
14	A	827	CLA	O2D-CGD-O1D	-2.76	118.43	123.84
19	a	851	CL0	CMB-C2B-C1B	-2.76	124.22	128.46
17	Y	101	BCR	C8-C7-C6	-2.76	119.44	127.20
14	W	202	CLA	CHB-C4A-NA	2.76	128.33	124.51
14	N	814	CLA	CMB-C2B-C3B	2.76	129.85	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	826	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
17	M	101	BCR	C38-C26-C27	2.76	118.92	113.62
14	a	826	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
14	N	837	CLA	CMB-C2B-C3B	2.76	129.85	124.68
14	a	821	CLA	CMB-C2B-C3B	2.76	129.84	124.68
14	b	821	CLA	CMB-C2B-C3B	2.76	129.84	124.68
14	g	815	CLA	CMB-C2B-C3B	2.76	129.84	124.68
14	N	811	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
14	B	823	CLA	O2D-CGD-O1D	-2.76	118.44	123.84
17	w	207	BCR	C4-C5-C6	-2.76	118.73	122.73
14	k	101	CLA	CMB-C2B-C3B	2.76	129.83	124.68
17	a	846	BCR	C33-C5-C6	-2.75	121.44	124.53
14	b	829	CLA	O2D-CGD-O1D	-2.75	118.45	123.84
17	t	104	BCR	C38-C26-C27	2.75	118.91	113.62
17	b	850	BCR	C11-C12-C13	-2.75	118.68	126.42
17	t	104	BCR	C16-C15-C14	-2.75	117.84	123.47
14	B	831	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
14	a	815	CLA	O2D-CGD-O1D	-2.75	118.46	123.84
14	A	812	CLA	CMB-C2B-C3B	2.75	129.82	124.68
17	G	847	BCR	C27-C26-C25	-2.75	118.74	122.73
14	b	812	CLA	CMB-C2B-C3B	2.75	129.82	124.68
17	a	844	BCR	C23-C24-C25	-2.75	119.48	127.20
14	a	802	CLA	CHB-C4A-NA	2.75	128.31	124.51
14	G	852	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
17	N	848	BCR	C8-C7-C6	-2.75	119.48	127.20
14	G	809	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
17	T	104	BCR	C16-C15-C14	-2.75	117.85	123.47
17	l	206	BCR	C8-C7-C6	-2.74	119.50	127.20
14	N	819	CLA	CMB-C2B-C3B	2.74	129.81	124.68
17	A	847	BCR	C4-C5-C6	-2.74	118.75	122.73
14	A	834	CLA	O2D-CGD-O1D	-2.74	118.47	123.84
14	j	101	CLA	CMB-C2B-C3B	2.74	129.81	124.68
14	b	811	CLA	CMB-C2B-C3B	2.74	129.81	124.68
14	g	839	CLA	CMB-C2B-C3B	2.74	129.81	124.68
14	A	811	CLA	CMB-C2B-C3B	2.74	129.81	124.68
14	N	822	CLA	CMB-C2B-C3B	2.74	129.81	124.68
14	N	851	CLA	CMB-C2B-C3B	2.74	129.81	124.68
17	N	849	BCR	C10-C11-C12	-2.74	114.67	123.22
14	A	833	CLA	CMB-C2B-C3B	2.74	129.80	124.68
14	N	821	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	a	829	CLA	O2D-CGD-O1D	-2.74	118.48	123.84
14	H	1701	CLA	CMB-C2B-C3B	2.74	129.80	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	m	102	BCR	C20-C19-C18	-2.74	118.73	126.42
14	S	201	CLA	O2D-CGD-O1D	-2.74	118.49	123.84
17	B	851	BCR	C16-C15-C14	-2.74	117.87	123.47
17	b	845	BCR	C37-C22-C21	-2.74	119.09	122.92
14	A	826	CLA	CHB-C4A-NA	2.74	128.30	124.51
17	A	846	BCR	C28-C27-C26	-2.74	109.19	114.08
14	a	826	CLA	C1B-CHB-C4A	-2.74	124.70	130.12
19	G	851	CL0	O2D-CGD-O1D	-2.73	118.49	123.84
14	u	101	CLA	CMB-C2B-C3B	2.73	129.79	124.68
17	b	848	BCR	C33-C5-C4	2.73	118.87	113.62
14	g	837	CLA	CMB-C2B-C3B	2.73	129.79	124.68
17	S	204	BCR	C23-C24-C25	-2.73	119.53	127.20
14	a	805	CLA	CMB-C2B-C3B	2.73	129.79	124.68
17	w	207	BCR	C8-C7-C6	-2.73	119.53	127.20
17	s	203	BCR	C28-C27-C26	-2.73	109.20	114.08
14	G	806	CLA	CMB-C2B-C3B	2.73	129.79	124.68
14	B	817	CLA	CMB-C2B-C3B	2.73	129.79	124.68
17	w	207	BCR	C23-C24-C25	-2.73	119.53	127.20
14	N	838	CLA	CMB-C2B-C3B	2.73	129.79	124.68
17	M	101	BCR	C10-C11-C12	-2.73	114.70	123.22
20	h	1702	SQD	O8-S-C6	2.73	110.09	105.74
17	b	852	BCR	C28-C27-C26	-2.73	109.20	114.08
17	f	203	BCR	C3-C4-C5	-2.73	109.20	114.08
17	b	846	BCR	C38-C26-C25	-2.73	121.46	124.53
15	N	843	PQN	C2M-C2-C3	-2.72	119.95	124.40
17	n	843	BCR	C30-C25-C26	-2.72	118.78	122.61
14	b	837	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
17	K	102	BCR	C23-C24-C25	-2.72	119.55	127.20
14	s	201	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
14	B	840	CLA	O2D-CGD-O1D	-2.72	118.51	123.84
17	a	847	BCR	C27-C26-C25	-2.72	118.78	122.73
14	G	832	CLA	O2D-CGD-O1D	-2.72	118.52	123.84
17	i	102	BCR	C33-C5-C4	2.72	118.84	113.62
17	s	203	BCR	C3-C4-C5	-2.72	109.22	114.08
17	A	847	BCR	C33-C5-C6	-2.72	121.47	124.53
14	b	823	CLA	CMB-C2B-C3B	2.72	129.77	124.68
17	k	102	BCR	C38-C26-C27	2.72	118.84	113.62
14	B	820	CLA	C1B-CHB-C4A	-2.72	124.73	130.12
14	n	804	CLA	O2D-CGD-O1D	-2.72	118.53	123.84
14	G	840	CLA	CMB-C2B-C3B	2.72	129.76	124.68
14	A	807	CLA	C1B-CHB-C4A	-2.72	124.74	130.12
14	g	818	CLA	CHB-C4A-NA	2.72	128.27	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	833	CLA	CMB-C2B-C3B	2.72	129.76	124.68
17	N	848	BCR	C33-C5-C4	2.72	118.83	113.62
17	N	849	BCR	C3-C4-C5	-2.71	109.23	114.08
15	g	841	PQN	C11-C12-C13	-2.71	122.27	126.79
14	B	810	CLA	CMB-C2B-C3B	2.71	129.75	124.68
14	B	813	CLA	CMB-C2B-C3B	2.71	129.75	124.68
14	G	816	CLA	CMB-C2B-C3B	2.71	129.75	124.68
17	G	845	BCR	C28-C27-C26	-2.71	109.24	114.08
17	a	843	BCR	C3-C4-C5	-2.71	109.24	114.08
17	B	843	BCR	C7-C8-C9	-2.71	122.14	126.23
14	n	810	CLA	CMB-C2B-C3B	2.71	129.74	124.68
17	g	845	BCR	C24-C23-C22	-2.71	122.14	126.23
14	A	806	CLA	CMB-C2B-C3B	2.71	129.74	124.68
17	b	848	BCR	C38-C26-C25	-2.71	121.49	124.53
17	n	843	BCR	C24-C23-C22	-2.70	122.15	126.23
17	f	203	BCR	C33-C5-C4	2.70	118.81	113.62
17	m	102	BCR	C38-C26-C27	2.70	118.81	113.62
14	g	832	CLA	CMB-C2B-C3B	2.70	129.73	124.68
14	g	838	CLA	O2D-CGD-O1D	-2.70	118.56	123.84
14	n	814	CLA	C1-C2-C3	-2.70	122.39	126.75
17	a	846	BCR	C8-C7-C6	-2.70	119.63	127.20
15	N	843	PQN	C14-C13-C15	2.70	119.81	115.27
20	n	801	SQD	O8-S-C6	2.70	110.04	105.74
14	A	819	CLA	CHB-C4A-NA	2.70	128.24	124.51
17	N	852	BCR	C15-C16-C17	-2.69	117.95	123.47
17	g	845	BCR	C28-C27-C26	-2.69	109.27	114.08
14	n	812	CLA	CMB-C2B-C3B	2.69	129.72	124.68
17	I	101	BCR	C27-C26-C25	-2.69	118.82	122.73
14	A	838	CLA	CMB-C2B-C3B	2.69	129.71	124.68
14	g	852	CLA	C1-C2-C3	-2.69	121.39	126.04
14	a	807	CLA	O2D-CGD-O1D	-2.69	118.58	123.84
14	l	204	CLA	CMB-C2B-C3B	2.69	129.71	124.68
17	B	847	BCR	C15-C16-C17	-2.69	117.97	123.47
17	i	102	BCR	C10-C11-C12	-2.69	114.83	123.22
14	a	832	CLA	CMB-C2B-C3B	2.69	129.70	124.68
14	g	816	CLA	CMB-C2B-C3B	2.69	129.70	124.68
17	U	103	BCR	C38-C26-C27	2.68	118.77	113.62
14	b	834	CLA	CHB-C4A-NA	2.68	128.22	124.51
17	i	101	BCR	C33-C5-C4	2.68	118.77	113.62
17	s	203	BCR	C33-C5-C4	2.68	118.77	113.62
15	A	842	PQN	C14-C13-C15	2.68	119.78	115.27
14	G	838	CLA	CMB-C2B-C3B	2.68	129.69	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	851	BCR	C3-C4-C5	-2.68	109.29	114.08
14	n	827	CLA	C1B-CHB-C4A	-2.68	124.81	130.12
17	t	103	BCR	C33-C5-C4	2.68	118.76	113.62
17	u	103	BCR	C38-C26-C27	2.68	118.75	113.62
14	b	828	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
14	n	827	CLA	C1-C2-C3	-2.67	121.42	126.04
14	A	827	CLA	C1B-CHB-C4A	-2.67	124.82	130.12
19	a	851	CL0	C2A-C3A-C4A	-2.67	97.55	101.87
14	a	815	CLA	CHB-C4A-NA	2.67	128.21	124.51
20	B	801	SQD	O48-C23-C24	2.67	120.29	111.91
14	g	852	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
14	a	817	CLA	C1B-CHB-C4A	-2.67	124.83	130.12
14	a	836	CLA	CMB-C2B-C3B	2.67	129.68	124.68
14	b	802	CLA	CMB-C2B-C3B	2.67	129.68	124.68
19	a	851	CL0	O2A-CGA-O1A	-2.67	116.85	123.59
20	w	202	SQD	O48-C23-C24	2.67	120.28	111.91
17	b	847	BCR	C15-C16-C17	-2.67	118.01	123.47
14	a	837	CLA	CMB-C2B-C3B	2.67	129.67	124.68
17	g	844	BCR	C23-C24-C25	-2.67	119.71	127.20
17	B	844	BCR	C30-C25-C26	-2.67	118.86	122.61
17	A	846	BCR	C33-C5-C4	2.67	118.74	113.62
17	f	203	BCR	C38-C26-C27	2.67	118.74	113.62
17	j	104	BCR	C8-C7-C6	-2.67	119.72	127.20
14	W	203	CLA	CHB-C4A-NA	2.66	128.20	124.51
14	g	819	CLA	CHB-C4A-NA	2.66	128.20	124.51
17	b	844	BCR	C27-C26-C25	-2.66	118.86	122.73
14	n	832	CLA	CMB-C2B-C3B	2.66	129.66	124.68
17	j	104	BCR	C7-C8-C9	-2.66	122.21	126.23
17	n	851	BCR	C2-C1-C6	2.66	114.58	110.48
17	w	201	BCR	C28-C27-C26	-2.66	109.33	114.08
14	A	805	CLA	C1B-CHB-C4A	-2.66	124.85	130.12
14	A	836	CLA	CMB-C2B-C3B	2.66	129.65	124.68
17	a	846	BCR	C20-C21-C22	-2.66	123.52	127.31
17	N	848	BCR	C38-C26-C27	2.66	118.72	113.62
17	b	848	BCR	C3-C4-C5	-2.65	109.34	114.08
14	N	804	CLA	CMB-C2B-C3B	2.65	129.64	124.68
14	n	816	CLA	CMB-C2B-C3B	2.65	129.64	124.68
17	A	849	BCR	C10-C11-C12	-2.65	114.93	123.22
15	g	841	PQN	C2M-C2-C3	-2.65	120.07	124.40
17	I	103	BCR	C24-C23-C22	-2.65	122.23	126.23
14	A	807	CLA	CHB-C4A-NA	2.65	128.18	124.51
14	A	834	CLA	CMB-C2B-C3B	2.65	129.64	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	j	104	BCR	C38-C26-C27	2.65	118.70	113.62
17	B	845	BCR	C28-C27-C26	-2.65	109.35	114.08
17	B	844	BCR	C38-C26-C25	-2.65	121.56	124.53
14	H	1701	CLA	CHB-C4A-NA	2.65	128.17	124.51
17	B	848	BCR	C33-C5-C4	2.64	118.69	113.62
14	x	1701	CLA	CHB-C4A-NA	2.64	128.17	124.51
14	g	854	CLA	C1B-CHB-C4A	-2.64	124.88	130.12
17	v	101	BCR	C16-C15-C14	-2.64	118.06	123.47
14	B	850	CLA	CMB-C2B-C3B	2.64	129.62	124.68
17	A	847	BCR	C28-C27-C26	-2.64	109.36	114.08
17	a	845	BCR	C23-C24-C25	-2.64	119.79	127.20
14	B	804	CLA	C1B-CHB-C4A	-2.64	124.89	130.12
14	N	831	CLA	CHB-C4A-NA	2.64	128.16	124.51
17	b	852	BCR	C2-C1-C6	2.64	114.54	110.48
14	g	805	CLA	CMB-C2B-C3B	2.64	129.62	124.68
14	N	803	CLA	O2D-CGD-O1D	-2.64	118.68	123.84
18	A	850	LHG	O8-C23-C24	2.64	120.18	111.91
17	n	847	BCR	C11-C10-C9	-2.63	123.55	127.31
19	g	851	CL0	CHC-C1C-C2C	-2.63	119.44	126.72
17	B	852	BCR	C33-C5-C6	-2.63	121.57	124.53
17	B	845	BCR	C34-C9-C10	-2.63	119.24	122.92
17	W	205	BCR	C24-C23-C22	-2.63	122.27	126.23
17	n	844	BCR	C28-C27-C26	-2.63	109.39	114.08
17	n	847	BCR	C16-C15-C14	-2.63	118.09	123.47
17	n	844	BCR	C37-C22-C21	-2.62	119.25	122.92
17	i	101	BCR	C28-C27-C26	-2.62	109.39	114.08
14	N	804	CLA	O2D-CGD-CBD	2.62	115.93	111.27
17	M	101	BCR	C3-C4-C5	-2.62	109.39	114.08
14	N	809	CLA	C1B-CHB-C4A	-2.62	124.92	130.12
20	h	1702	SQD	O48-C23-C24	2.62	120.14	111.91
17	G	848	BCR	C20-C19-C18	-2.62	119.05	126.42
14	n	803	CLA	C1B-CHB-C4A	-2.62	124.93	130.12
17	n	851	BCR	C28-C27-C26	-2.62	109.40	114.08
14	B	809	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	a	806	CLA	CHB-C4A-NA	2.62	128.13	124.51
14	A	853	CLA	C1B-CHB-C4A	-2.62	124.94	130.12
17	B	852	BCR	C2-C1-C6	2.62	114.51	110.48
17	B	844	BCR	C36-C18-C17	-2.61	119.26	122.92
14	B	834	CLA	CHB-C4A-NA	2.61	128.13	124.51
14	G	815	CLA	CMB-C2B-C3B	2.61	129.57	124.68
20	H	1702	SQD	O48-C23-C24	2.61	120.11	111.91
14	g	811	CLA	O2D-CGD-O1D	-2.61	118.73	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	815	CLA	CHB-C4A-NA	2.61	128.13	124.51
17	G	846	BCR	C33-C5-C6	-2.61	121.59	124.53
17	B	844	BCR	C15-C14-C13	-2.61	123.58	127.31
17	n	842	BCR	C38-C26-C27	2.61	118.64	113.62
15	a	841	PQN	C2M-C2-C3	-2.61	120.14	124.40
17	t	104	BCR	C28-C27-C26	-2.61	109.42	114.08
18	A	851	LHG	O8-C23-C24	2.61	120.10	111.91
14	n	829	CLA	CHB-C4A-NA	2.61	128.12	124.51
14	n	836	CLA	C1-C2-C3	-2.61	121.53	126.04
18	G	849	LHG	O8-C23-C24	2.61	120.09	111.91
17	L	1504	BCR	C38-C26-C27	2.61	118.63	113.62
18	S	202	LHG	O8-C23-C24	2.61	120.09	111.91
17	G	845	BCR	C23-C24-C25	-2.61	119.88	127.20
17	T	103	BCR	C33-C5-C4	2.61	118.63	113.62
17	B	843	BCR	C28-C27-C26	-2.61	109.42	114.08
17	g	848	BCR	C20-C19-C18	-2.61	119.10	126.42
17	j	104	BCR	C28-C27-C26	-2.61	109.42	114.08
15	n	841	PQN	C2M-C2-C3	-2.60	120.15	124.40
17	J	103	BCR	C33-C5-C4	2.60	118.62	113.62
17	I	101	BCR	C33-C5-C4	2.60	118.62	113.62
17	N	852	BCR	C33-C5-C4	2.60	118.62	113.62
15	G	841	PQN	C14-C13-C15	2.60	119.65	115.27
17	A	844	BCR	C16-C15-C14	-2.60	118.14	123.47
17	b	843	BCR	C38-C26-C25	-2.60	121.61	124.53
14	B	808	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
14	B	817	CLA	CHB-C4A-NA	2.60	128.11	124.51
14	G	819	CLA	CHB-C4A-NA	2.60	128.11	124.51
14	A	840	CLA	C1B-CHB-C4A	-2.60	124.97	130.12
17	n	846	BCR	C38-C26-C27	2.60	118.61	113.62
18	v	102	LHG	O8-C23-C24	2.60	120.05	111.91
17	a	843	BCR	C11-C12-C13	-2.60	119.12	126.42
14	G	827	CLA	C1B-CHB-C4A	-2.60	124.98	130.12
17	g	843	BCR	C33-C5-C4	2.60	118.60	113.62
19	G	851	CL0	CHC-C1C-C2C	-2.59	119.55	126.72
14	X	1701	CLA	CHB-C4A-NA	2.59	128.10	124.51
14	b	839	CLA	C1B-CHB-C4A	-2.59	124.98	130.12
17	i	102	BCR	C38-C26-C27	2.59	118.59	113.62
14	a	831	CLA	C1B-CHB-C4A	-2.59	124.99	130.12
14	h	1701	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	B	830	CLA	CHB-C4A-NA	2.59	128.09	124.51
17	N	853	BCR	C38-C26-C27	2.59	118.59	113.62
17	g	847	BCR	C38-C26-C25	-2.59	121.62	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	N	847	BCR	C38-C26-C27	2.59	118.58	113.62
14	n	808	CLA	O2A-CGA-O1A	-2.59	117.06	123.59
14	b	804	CLA	CMB-C2B-C3B	2.59	129.52	124.68
14	B	805	CLA	CHB-C4A-NA	2.59	128.09	124.51
14	a	819	CLA	CHB-C4A-NA	2.58	128.09	124.51
14	G	818	CLA	C1B-CHB-C4A	-2.58	125.00	130.12
17	i	102	BCR	C28-C27-C26	-2.58	109.46	114.08
17	Y	101	BCR	C10-C11-C12	-2.58	115.16	123.22
17	B	846	BCR	C20-C19-C18	-2.58	119.17	126.42
14	B	816	CLA	CHB-C4A-NA	2.58	128.08	124.51
14	b	815	CLA	CHB-C4A-NA	2.58	128.08	124.51
17	v	101	BCR	C2-C1-C6	2.58	114.45	110.48
14	a	840	CLA	CMB-C2B-C3B	2.58	129.50	124.68
17	b	843	BCR	C33-C5-C4	2.58	118.57	113.62
20	l	201	SQD	O48-C23-C24	2.58	120.00	111.91
17	w	201	BCR	C37-C22-C21	-2.58	119.31	122.92
14	A	855	CLA	O2D-CGD-O1D	-2.58	118.80	123.84
14	b	808	CLA	C1B-CHB-C4A	-2.58	125.01	130.12
17	n	851	BCR	C33-C5-C4	2.58	118.57	113.62
17	a	848	BCR	C16-C15-C14	-2.58	118.19	123.47
14	n	807	CLA	C1B-CHB-C4A	-2.58	125.02	130.12
17	I	101	BCR	C4-C5-C6	-2.57	118.99	122.73
17	Y	101	BCR	C16-C15-C14	-2.57	118.21	123.47
17	n	843	BCR	C38-C26-C27	2.57	118.56	113.62
17	b	852	BCR	C38-C26-C27	2.57	118.56	113.62
14	g	801	CLA	CHB-C4A-NA	2.57	128.07	124.51
14	a	811	CLA	CHB-C4A-NA	2.57	128.07	124.51
14	N	819	CLA	CHB-C4A-NA	2.57	128.07	124.51
19	G	851	CL0	C2A-C3A-C4A	-2.57	97.72	101.87
14	w	204	CLA	CHB-C4A-NA	2.57	128.06	124.51
17	A	848	BCR	C27-C26-C25	-2.57	119.00	122.73
17	B	846	BCR	C38-C26-C25	-2.57	121.64	124.53
17	i	102	BCR	C35-C13-C12	2.57	122.12	118.08
14	g	817	CLA	C1B-CHB-C4A	-2.57	125.03	130.12
14	n	825	CLA	C1B-CHB-C4A	-2.57	125.04	130.12
14	a	815	CLA	CMB-C2B-C3B	2.56	129.48	124.68
14	n	814	CLA	CHB-C4A-NA	2.56	128.06	124.51
14	A	816	CLA	CHB-C4A-NA	2.56	128.06	124.51
14	B	828	CLA	C1B-CHB-C4A	-2.56	125.04	130.12
18	m	101	LHG	O8-C23-C24	2.56	119.95	111.91
17	N	848	BCR	C11-C12-C13	-2.56	119.22	126.42
17	A	856	BCR	C7-C8-C9	-2.56	122.36	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	N	810	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	a	807	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	a	830	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	b	813	CLA	CHB-C4A-NA	2.56	128.05	124.51
17	b	843	BCR	C28-C27-C26	-2.56	109.50	114.08
14	t	101	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	B	807	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	g	806	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	A	857	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	b	825	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	a	823	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
17	B	846	BCR	C27-C26-C25	-2.56	119.02	122.73
14	N	801	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
17	n	843	BCR	C34-C9-C10	-2.56	119.34	122.92
14	N	829	CLA	C1B-CHB-C4A	-2.56	125.05	130.12
14	B	812	CLA	O2D-CGD-CBD	2.56	115.81	111.27
14	g	840	CLA	C1-C2-C3	-2.56	122.62	126.75
14	N	816	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	B	838	CLA	CHB-C4A-NA	2.56	128.05	124.51
14	A	803	CLA	CHB-C4A-NA	2.55	128.04	124.51
17	G	846	BCR	C24-C23-C22	-2.55	122.38	126.23
14	G	812	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	N	828	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	A	814	CLA	CHB-C4A-NA	2.55	128.04	124.51
18	a	850	LHG	O8-C23-C24	2.55	119.92	111.91
14	A	855	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
14	G	853	CLA	CHB-C4A-NA	2.55	128.04	124.51
17	N	852	BCR	C7-C8-C9	-2.55	122.38	126.23
17	g	848	BCR	C33-C5-C4	2.55	118.52	113.62
14	A	854	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	B	809	CLA	C1B-CHB-C4A	-2.55	125.06	130.12
17	v	101	BCR	C20-C19-C18	-2.55	119.25	126.42
17	I	101	BCR	C28-C27-C26	-2.55	109.52	114.08
14	G	832	CLA	C1-C2-C3	-2.55	121.63	126.04
14	g	802	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	n	816	CLA	CHB-C4A-NA	2.55	128.04	124.51
17	B	847	BCR	C11-C12-C13	-2.55	119.25	126.42
14	n	831	CLA	C1B-CHB-C4A	-2.55	125.07	130.12
14	G	817	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	A	804	CLA	CHB-C4A-NA	2.55	128.04	124.51
14	g	852	CLA	O2D-CGD-O1D	-2.55	118.86	123.84
17	i	101	BCR	C38-C26-C25	-2.55	121.67	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	n	842	BCR	C30-C25-C26	-2.55	119.03	122.61
20	x	1702	SQD	O48-C23-C24	2.55	119.90	111.91
17	G	848	BCR	C10-C11-C12	-2.55	115.27	123.22
17	n	842	BCR	C33-C5-C4	2.54	118.50	113.62
14	b	831	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
14	N	815	CLA	C1-C2-C3	-2.54	121.64	126.04
14	n	818	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
14	g	831	CLA	C1B-CHB-C4A	-2.54	125.08	130.12
20	n	801	SQD	O48-C23-C24	2.54	119.88	111.91
17	n	846	BCR	C23-C24-C25	-2.54	120.07	127.20
17	F	203	BCR	C3-C4-C5	-2.54	109.54	114.08
15	b	842	PQN	C14-C13-C15	2.54	119.54	115.27
14	b	802	CLA	C1B-CHB-C4A	-2.54	125.09	130.12
17	n	847	BCR	C8-C7-C6	-2.54	120.07	127.20
17	B	848	BCR	C8-C7-C6	-2.54	120.07	127.20
14	G	822	CLA	CHB-C4A-NA	2.54	128.02	124.51
14	G	823	CLA	CHB-C4A-NA	2.54	128.02	124.51
17	B	846	BCR	C30-C25-C26	-2.54	119.04	122.61
18	g	849	LHG	O8-C23-C24	2.54	119.87	111.91
17	g	843	BCR	C3-C4-C5	-2.54	109.55	114.08
17	B	846	BCR	C8-C7-C6	-2.54	120.08	127.20
17	B	848	BCR	C38-C26-C25	-2.54	121.68	124.53
14	G	833	CLA	CHB-C4A-NA	2.54	128.02	124.51
14	A	825	CLA	CHB-C4A-NA	2.54	128.02	124.51
14	G	811	CLA	CHB-C4A-NA	2.53	128.02	124.51
14	n	852	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
14	G	814	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	G	821	CLA	CHB-C4A-NA	2.53	128.01	124.51
17	b	847	BCR	C38-C26-C27	2.53	118.48	113.62
18	G	850	LHG	O8-C23-C24	2.53	119.85	111.91
14	A	835	CLA	C1B-CHB-C4A	-2.53	125.10	130.12
17	w	206	BCR	C38-C26-C27	2.53	118.48	113.62
17	G	846	BCR	C4-C5-C6	-2.53	119.06	122.73
14	N	813	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	g	816	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	G	816	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	B	840	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	f	201	CLA	CHB-C4A-NA	2.53	128.01	124.51
17	A	848	BCR	C30-C25-C26	-2.53	119.05	122.61
17	N	849	BCR	C15-C16-C17	-2.53	118.30	123.47
14	N	806	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
14	b	819	CLA	C1B-CHB-C4A	-2.53	125.11	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	1501	CLA	CHB-C4A-NA	2.53	128.01	124.51
17	n	843	BCR	C33-C5-C4	2.53	118.47	113.62
17	b	846	BCR	C21-C20-C19	-2.53	115.33	123.22
14	G	825	CLA	C1B-CHB-C4A	-2.53	125.11	130.12
17	I	103	BCR	C3-C4-C5	-2.53	109.57	114.08
17	a	845	BCR	C28-C27-C26	-2.53	109.57	114.08
14	A	854	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
17	W	205	BCR	C20-C21-C22	-2.52	123.71	127.31
14	a	812	CLA	CHB-C4A-NA	2.52	128.00	124.51
14	a	838	CLA	CHB-C4A-NA	2.52	128.00	124.51
14	b	803	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
14	b	816	CLA	CHB-C4A-NA	2.52	128.00	124.51
17	i	102	BCR	C36-C18-C19	2.52	122.05	118.08
17	w	206	BCR	C40-C30-C25	-2.52	106.21	110.30
17	b	844	BCR	C38-C26-C25	-2.52	121.69	124.53
14	n	835	CLA	C1B-CHB-C4A	-2.52	125.12	130.12
17	N	846	BCR	C28-C27-C26	-2.52	109.57	114.08
14	G	803	CLA	CHB-C4A-NA	2.52	128.00	124.51
14	b	851	CLA	CHB-C4A-NA	2.52	128.00	124.51
17	A	844	BCR	C33-C5-C4	2.52	118.46	113.62
17	B	851	BCR	C20-C19-C18	-2.52	119.33	126.42
17	w	201	BCR	C33-C5-C4	2.52	118.46	113.62
14	g	813	CLA	CHB-C4A-NA	2.52	128.00	124.51
17	S	204	BCR	C15-C16-C17	-2.52	118.31	123.47
14	a	818	CLA	CHB-C4A-NA	2.52	128.00	124.51
17	a	848	BCR	C10-C11-C12	-2.52	115.35	123.22
14	b	815	CLA	C1-C2-C3	-2.52	122.68	126.75
17	s	203	BCR	C23-C24-C25	-2.52	120.13	127.20
14	U	102	CLA	CHB-C4A-NA	2.52	127.99	124.51
14	B	812	CLA	CHB-C4A-NA	2.52	127.99	124.51
14	G	836	CLA	CHB-C4A-NA	2.52	127.99	124.51
14	j	101	CLA	C1B-CHB-C4A	-2.52	125.13	130.12
17	g	847	BCR	C28-C27-C26	-2.52	109.58	114.08
14	g	805	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	n	840	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	B	813	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	g	832	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
14	a	803	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
14	U	101	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	n	825	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	a	820	CLA	CHB-C4A-NA	2.51	127.99	124.51
14	N	840	CLA	C1B-CHB-C4A	-2.51	125.14	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	838	CLA	CHB-C4A-NA	2.51	127.99	124.51
17	U	103	BCR	C33-C5-C4	2.51	118.44	113.62
14	b	851	CLA	CMB-C2B-C3B	2.51	129.38	124.68
14	g	809	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
14	A	818	CLA	C1B-CHB-C4A	-2.51	125.14	130.12
14	n	833	CLA	CHB-C4A-NA	2.51	127.98	124.51
20	b	801	SQD	O48-C23-C24	2.51	119.79	111.91
19	a	851	CL0	C1D-ND-C4D	-2.51	104.55	106.33
14	g	830	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	n	806	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	b	807	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	a	852	CLA	O2D-CGD-O1D	-2.51	118.93	123.84
14	N	820	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
17	A	846	BCR	C15-C16-C17	-2.51	118.33	123.47
14	S	203	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	a	824	CLA	C1B-CHB-C4A	-2.51	125.15	130.12
14	J	102	CLA	CAA-C2A-C3A	-2.51	110.25	116.10
14	n	824	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	J	101	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	a	839	CLA	CHB-C4A-NA	2.51	127.98	124.51
17	G	846	BCR	C23-C24-C25	-2.51	120.16	127.20
14	G	824	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	N	835	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	n	830	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	g	835	CLA	CHB-C4A-NA	2.51	127.98	124.51
14	N	810	CLA	C1B-CHB-C4A	-2.51	125.16	130.12
14	g	829	CLA	C1B-CHB-C4A	-2.51	125.16	130.12
15	B	842	PQN	C2M-C2-C3	-2.51	120.31	124.40
14	a	810	CLA	CHB-C4A-NA	2.51	127.98	124.51
17	A	846	BCR	C38-C26-C27	2.50	118.43	113.62
14	a	806	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
20	H	1702	SQD	O8-S-C6	2.50	109.73	105.74
14	g	823	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	A	828	CLA	C1B-CHB-C4A	-2.50	125.16	130.12
14	B	827	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	a	822	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	g	825	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	b	822	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	N	823	CLA	CHB-C4A-NA	2.50	127.97	124.51
17	b	844	BCR	C24-C23-C22	-2.50	122.46	126.23
17	k	102	BCR	C8-C7-C6	-2.50	120.18	127.20
14	B	829	CLA	C1B-CHB-C4A	-2.50	125.17	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	n	851	BCR	C33-C5-C6	-2.50	121.72	124.53
14	B	814	CLA	C1-C2-C3	-2.50	121.72	126.04
14	A	806	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	n	808	CLA	CHB-C4A-NA	2.50	127.97	124.51
17	y	101	BCR	C20-C19-C18	-2.50	119.40	126.42
14	A	841	CLA	CHB-C4A-NA	2.50	127.97	124.51
17	Y	101	BCR	C38-C26-C27	2.50	118.41	113.62
14	B	805	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
14	A	823	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	B	821	CLA	CHB-C4A-NA	2.50	127.97	124.51
14	b	809	CLA	C1B-CHB-C4A	-2.50	125.17	130.12
14	b	809	CLA	CHB-C4A-NA	2.50	127.96	124.51
17	a	845	BCR	C38-C26-C27	2.50	118.41	113.62
14	A	802	CLA	CHB-C4A-NA	2.50	127.96	124.51
15	G	841	PQN	C2M-C2-C3	-2.50	120.33	124.40
14	N	834	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	a	833	CLA	CHB-C4A-NA	2.49	127.96	124.51
17	b	850	BCR	C33-C5-C6	-2.49	121.73	124.53
14	n	819	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	B	810	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
14	G	806	CLA	CHB-C4A-NA	2.49	127.96	124.51
17	l	205	BCR	C38-C26-C27	2.49	118.41	113.62
17	b	847	BCR	C11-C12-C13	-2.49	119.41	126.42
14	g	822	CLA	CHB-C4A-NA	2.49	127.96	124.51
17	S	204	BCR	C11-C12-C13	-2.49	119.41	126.42
14	a	834	CLA	C1B-CHB-C4A	-2.49	125.18	130.12
14	N	814	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	N	834	CLA	CMB-C2B-C3B	2.49	129.34	124.68
14	b	806	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	b	821	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	A	813	CLA	CHB-C4A-NA	2.49	127.96	124.51
14	J	102	CLA	CHB-C4A-NA	2.49	127.96	124.51
18	a	849	LHG	O8-C23-C24	2.49	119.72	111.91
14	b	826	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
14	G	807	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	a	827	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
14	G	804	CLA	CHB-C4A-NA	2.49	127.95	124.51
17	N	847	BCR	C38-C26-C25	-2.49	121.73	124.53
14	g	814	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	B	822	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	a	852	CLA	C1B-CHB-C4A	-2.49	125.19	130.12
17	B	843	BCR	C2-C1-C6	2.49	114.31	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	812	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	n	812	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	F	202	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	N	827	CLA	O2D-CGD-CBD	2.49	115.69	111.27
14	T	101	CLA	CHB-C4A-NA	2.49	127.95	124.51
14	n	836	CLA	CHB-C4A-NA	2.49	127.95	124.51
17	W	201	BCR	C34-C9-C8	2.49	121.99	118.08
17	j	104	BCR	C34-C9-C10	-2.49	119.44	122.92
17	b	845	BCR	C33-C5-C4	2.49	118.39	113.62
14	b	817	CLA	CHB-C4A-NA	2.49	127.95	124.51
17	u	103	BCR	C16-C15-C14	-2.49	118.38	123.47
17	A	856	BCR	C33-C5-C4	2.49	118.39	113.62
14	w	203	CLA	CHB-C4A-NA	2.48	127.95	124.51
14	G	805	CLA	CHB-C4A-NA	2.48	127.95	124.51
14	k	101	CLA	CHB-C4A-NA	2.48	127.95	124.51
17	a	843	BCR	C29-C30-C25	2.48	114.31	110.48
14	G	813	CLA	CHB-C4A-NA	2.48	127.95	124.51
14	N	827	CLA	CHB-C4A-NA	2.48	127.95	124.51
14	b	826	CLA	CHB-C4A-NA	2.48	127.95	124.51
14	l	202	CLA	CHB-C4A-NA	2.48	127.95	124.51
14	n	826	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
14	A	832	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
14	a	811	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
17	n	846	BCR	C11-C12-C13	-2.48	119.44	126.42
14	b	809	CLA	O2A-CGA-O1A	-2.48	117.33	123.59
14	g	815	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	A	811	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	A	803	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
18	X	1702	LHG	O8-C23-C24	2.48	119.69	111.91
17	Y	101	BCR	C20-C19-C18	-2.48	119.45	126.42
14	a	835	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	b	837	CLA	C1B-CHB-C4A	-2.48	125.20	130.12
14	G	802	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	L	1502	CLA	CHB-C4A-NA	2.48	127.94	124.51
17	g	844	BCR	C33-C5-C4	2.48	118.38	113.62
17	i	101	BCR	C15-C16-C17	-2.48	118.40	123.47
14	B	850	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
14	a	828	CLA	CHB-C4A-NA	2.48	127.94	124.51
17	B	848	BCR	C10-C11-C12	-2.48	115.48	123.22
14	n	810	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	G	835	CLA	C1B-CHB-C4A	-2.48	125.21	130.12
14	u	101	CLA	CHB-C4A-NA	2.48	127.94	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	g	846	BCR	C36-C18-C17	-2.48	119.45	122.92
20	l	201	SQD	O5-C5-C4	2.48	114.19	109.69
17	I	102	BCR	C20-C21-C22	-2.48	123.78	127.31
17	N	848	BCR	C23-C24-C25	-2.48	120.25	127.20
14	s	202	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	N	810	CLA	O2A-CGA-O1A	-2.48	117.34	123.59
14	l	203	CLA	CHB-C4A-NA	2.47	127.93	124.51
15	A	842	PQN	C2M-C2-C3	-2.47	120.36	124.40
17	l	205	BCR	C3-C4-C5	-2.47	109.66	114.08
19	g	851	CL0	CHD-C4C-NC	2.47	128.10	124.20
14	A	824	CLA	CHB-C4A-NA	2.47	127.93	124.51
14	K	101	CLA	CHB-C4A-NA	2.47	127.93	124.51
17	U	103	BCR	C8-C7-C6	-2.47	120.26	127.20
14	A	826	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
14	a	801	CLA	CHB-C4A-NA	2.47	127.93	124.51
14	a	804	CLA	CHB-C4A-NA	2.47	127.93	124.51
14	a	825	CLA	CHB-C4A-NA	2.47	127.93	124.51
14	b	814	CLA	CHB-C4A-NA	2.47	127.93	124.51
14	a	813	CLA	CHB-C4A-NA	2.47	127.93	124.51
14	B	826	CLA	C1B-CHB-C4A	-2.47	125.22	130.12
14	n	821	CLA	CHB-C4A-NA	2.47	127.93	124.51
17	V	101	BCR	C15-C16-C17	-2.47	118.42	123.47
14	l	203	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
14	n	838	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
17	W	205	BCR	C23-C24-C25	-2.47	120.27	127.20
14	a	829	CLA	C1B-CHB-C4A	-2.47	125.23	130.12
14	n	828	CLA	C1B-CHB-C4A	-2.46	125.23	130.12
14	a	852	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	N	809	CLA	C1-C2-C3	-2.46	121.78	126.04
14	g	831	CLA	C1-C2-C3	-2.46	121.78	126.04
14	N	827	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
14	n	850	CLA	CMB-C2B-C3B	2.46	129.29	124.68
14	g	804	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	n	805	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	B	814	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	N	851	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
17	m	102	BCR	C23-C24-C25	-2.46	120.29	127.20
14	G	805	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
14	N	817	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	n	815	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	G	803	CLA	C1B-CHB-C4A	-2.46	125.24	130.12
17	B	848	BCR	C3-C4-C5	-2.46	109.68	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	g	846	BCR	C35-C13-C14	-2.46	119.48	122.92
17	b	844	BCR	C34-C9-C10	-2.46	119.48	122.92
14	g	824	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	n	817	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	a	840	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	n	814	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
17	V	101	BCR	C11-C12-C13	-2.46	119.51	126.42
14	G	853	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	b	832	CLA	CHB-C4A-NA	2.46	127.91	124.51
17	B	844	BCR	C27-C26-C25	-2.46	119.16	122.73
17	S	204	BCR	C38-C26-C27	2.46	118.34	113.62
14	G	809	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	b	823	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	b	837	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	G	829	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	g	828	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	a	805	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	A	833	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	b	827	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	L	1502	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
17	g	847	BCR	C27-C26-C25	-2.46	119.17	122.73
17	G	845	BCR	C38-C26-C27	2.46	118.33	113.62
14	N	851	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	B	835	CLA	C1B-CHB-C4A	-2.46	125.25	130.12
14	n	832	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	n	850	CLA	CHB-C4A-NA	2.46	127.91	124.51
17	A	845	BCR	C8-C7-C6	-2.46	120.31	127.20
14	N	815	CLA	CHB-C4A-NA	2.45	127.91	124.51
17	I	102	BCR	C38-C26-C25	-2.45	121.77	124.53
17	t	104	BCR	C33-C5-C4	2.45	118.33	113.62
17	a	848	BCR	C38-C26-C27	2.45	118.33	113.62
14	b	833	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	a	824	CLA	CHB-C4A-NA	2.45	127.91	124.51
17	f	203	BCR	C23-C24-C25	-2.45	120.31	127.20
17	n	844	BCR	C33-C5-C4	2.45	118.33	113.62
14	G	839	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	a	809	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	N	813	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	a	804	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	A	838	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	F	201	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	b	840	CLA	CHB-C4A-NA	2.45	127.90	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	823	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	N	813	CLA	O2D-CGD-CBD	2.45	115.62	111.27
14	a	819	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
17	B	845	BCR	C3-C4-C5	-2.45	109.70	114.08
14	n	808	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	n	832	CLA	CHD-C1D-ND	-2.45	122.20	124.45
14	G	807	CLA	C1B-CHB-C4A	-2.45	125.26	130.12
14	N	826	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	a	814	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	j	101	CLA	CHB-C4A-NA	2.45	127.90	124.51
17	N	846	BCR	C37-C22-C21	-2.45	119.49	122.92
17	S	204	BCR	C33-C5-C4	2.45	118.32	113.62
14	n	803	CLA	O2D-CGD-O1D	-2.45	119.05	123.84
17	N	849	BCR	C33-C5-C4	2.45	118.32	113.62
14	G	826	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	N	822	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	n	820	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	B	841	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	g	852	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	N	819	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	g	834	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
17	A	847	BCR	C11-C12-C13	-2.45	119.54	126.42
14	g	810	CLA	CHB-C4A-NA	2.45	127.90	124.51
14	g	811	CLA	CHB-C4A-NA	2.45	127.89	124.51
14	b	834	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	B	825	CLA	CHB-C4A-NA	2.45	127.89	124.51
14	G	828	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
14	N	835	CLA	C1B-CHB-C4A	-2.45	125.27	130.12
17	s	203	BCR	C38-C26-C27	2.45	118.31	113.62
17	A	848	BCR	C8-C7-C6	-2.45	120.33	127.20
14	u	102	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	A	812	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	a	832	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	b	831	CLA	CHB-C4A-NA	2.44	127.89	124.51
17	M	101	BCR	C15-C16-C17	-2.44	118.47	123.47
14	s	201	CLA	CHB-C4A-NA	2.44	127.89	124.51
14	G	820	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
14	t	102	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
14	b	820	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
17	T	103	BCR	C8-C7-C6	-2.44	120.34	127.20
17	B	844	BCR	C19-C18-C17	2.44	122.69	118.94
14	B	833	CLA	CHB-C4A-NA	2.44	127.89	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	N	833	CLA	C1B-CHB-C4A	-2.44	125.28	130.12
17	g	843	BCR	C24-C23-C22	-2.44	122.55	126.23
14	n	839	CLA	CHB-C4A-NA	2.44	127.89	124.51
17	G	843	BCR	C33-C5-C4	2.44	118.30	113.62
14	N	818	CLA	CHB-C4A-NA	2.44	127.89	124.51
17	a	845	BCR	C2-C1-C6	2.44	114.24	110.48
17	S	204	BCR	C3-C4-C5	-2.44	109.72	114.08
14	g	840	CLA	CHB-C4A-NA	2.44	127.88	124.51
14	A	834	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
14	F	201	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
14	N	824	CLA	CHB-C4A-NA	2.44	127.88	124.51
14	A	810	CLA	CHB-C4A-NA	2.44	127.88	124.51
14	w	205	CLA	CHB-C4A-NA	2.44	127.88	124.51
14	a	809	CLA	C1B-CHB-C4A	-2.44	125.29	130.12
14	g	832	CLA	CHB-C4A-NA	2.43	127.88	124.51
14	A	839	CLA	CHB-C4A-NA	2.43	127.88	124.51
14	g	838	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
14	A	830	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
17	N	852	BCR	C23-C24-C25	-2.43	120.36	127.20
17	n	847	BCR	C10-C11-C12	-2.43	115.62	123.22
17	W	205	BCR	C15-C14-C13	-2.43	123.84	127.31
18	g	850	LHG	O8-C23-C24	2.43	119.54	111.91
14	B	818	CLA	CHB-C4A-NA	2.43	127.88	124.51
14	B	809	CLA	O2A-CGA-O1A	-2.43	117.45	123.59
14	N	821	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
14	n	834	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
17	w	206	BCR	C3-C4-C5	-2.43	109.74	114.08
14	G	831	CLA	C1B-CHB-C4A	-2.43	125.30	130.12
14	a	837	CLA	CHB-C4A-NA	2.43	127.87	124.51
14	b	853	CLA	CHB-C4A-NA	2.43	127.87	124.51
17	T	104	BCR	C3-C4-C5	-2.43	109.74	114.08
14	n	804	CLA	CHB-C4A-NA	2.43	127.87	124.51
14	G	832	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	G	834	CLA	CHB-C4A-NA	2.43	127.87	124.51
14	a	816	CLA	CHB-C4A-NA	2.43	127.87	124.51
17	F	203	BCR	C11-C12-C13	-2.43	119.59	126.42
14	N	836	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	b	836	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	b	811	CLA	CHB-C4A-NA	2.43	127.87	124.51
17	b	845	BCR	C28-C27-C26	-2.43	109.74	114.08
14	b	838	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	G	820	CLA	CHB-C4A-NA	2.43	127.87	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	839	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	n	831	CLA	CHB-C4A-NA	2.43	127.87	124.51
14	A	825	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	b	841	CLA	C1B-CHB-C4A	-2.43	125.31	130.12
14	A	817	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	A	822	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	b	820	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	G	833	CLA	C1B-CHB-C4A	-2.42	125.31	130.12
14	A	834	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	b	830	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	N	841	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	n	822	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	B	831	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	N	832	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
19	A	852	CL0	CHD-C4C-NC	2.42	128.02	124.20
14	N	840	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	W	203	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	B	832	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	A	833	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	g	833	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	A	809	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	l	204	CLA	CHB-C4A-NA	2.42	127.86	124.51
19	A	852	CL0	CHC-C1C-C2C	-2.42	120.02	126.72
14	A	826	CLA	C1-C2-C3	-2.42	121.86	126.04
14	n	836	CLA	C1B-CHB-C4A	-2.42	125.32	130.12
14	g	807	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	B	823	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	a	832	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
17	I	103	BCR	C23-C24-C25	-2.42	120.41	127.20
14	N	839	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	g	834	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	N	808	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
14	G	837	CLA	CHB-C4A-NA	2.42	127.86	124.51
17	Y	101	BCR	C23-C24-C25	-2.42	120.41	127.20
14	n	830	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
14	N	832	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	B	811	CLA	CHB-C4A-NA	2.42	127.86	124.51
14	g	808	CLA	CHB-C4A-NA	2.42	127.85	124.51
14	A	815	CLA	CHB-C4A-NA	2.42	127.85	124.51
17	k	102	BCR	C33-C5-C4	2.42	118.26	113.62
14	w	204	CLA	C1B-CHB-C4A	-2.42	125.33	130.12
17	A	845	BCR	C33-C5-C4	2.42	118.26	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	852	CLA	CHB-C4A-NA	2.41	127.85	124.51
17	b	846	BCR	C28-C27-C26	-2.41	109.77	114.08
14	N	808	CLA	CHB-C4A-NA	2.41	127.85	124.51
14	g	828	CLA	CHB-C4A-NA	2.41	127.85	124.51
17	M	101	BCR	C20-C19-C18	-2.41	119.64	126.42
14	b	853	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	b	829	CLA	CHB-C4A-NA	2.41	127.85	124.51
14	B	826	CLA	CHB-C4A-NA	2.41	127.85	124.51
17	g	845	BCR	C1-C6-C5	-2.41	119.22	122.61
14	b	841	CLA	CMB-C2B-C3B	2.41	129.19	124.68
14	G	840	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	a	833	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	A	838	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	A	809	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	b	810	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	w	203	CLA	C1B-CHB-C4A	-2.41	125.34	130.12
14	j	102	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	n	813	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	A	831	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	B	824	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
14	N	821	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	A	820	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	G	817	CLA	C1B-CHB-C4A	-2.41	125.35	130.12
17	a	844	BCR	C33-C5-C4	2.41	118.24	113.62
14	g	820	CLA	CHB-C4A-NA	2.41	127.84	124.51
14	G	838	CLA	CHB-C4A-NA	2.40	127.84	124.51
14	a	854	CLA	CHB-C4A-NA	2.40	127.84	124.51
14	b	830	CLA	CHB-C4A-NA	2.40	127.84	124.51
14	G	830	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	a	834	CLA	CHB-C4A-NA	2.40	127.83	124.51
17	n	843	BCR	C20-C21-C22	-2.40	123.88	127.31
14	g	803	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	A	829	CLA	CHB-C4A-NA	2.40	127.83	124.51
17	g	847	BCR	C33-C5-C4	2.40	118.23	113.62
14	n	837	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	n	807	CLA	C1-C2-C3	-2.40	121.89	126.04
17	T	103	BCR	C23-C24-C25	-2.40	120.46	127.20
14	g	837	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
14	B	819	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
14	G	835	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	T	102	CLA	C1B-CHB-C4A	-2.40	125.36	130.12
14	g	811	CLA	C1B-CHB-C4A	-2.40	125.36	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	808	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	G	821	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	B	804	CLA	CMB-C2B-C3B	2.40	129.16	124.68
17	A	848	BCR	C38-C26-C25	-2.40	121.83	124.53
15	b	842	PQN	C2M-C2-C3	-2.40	120.49	124.40
14	G	809	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
17	A	856	BCR	C8-C7-C6	-2.40	120.47	127.20
14	B	807	CLA	O2A-CGA-O1A	-2.40	117.54	123.59
14	n	819	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	N	810	CLA	O2D-CGD-CBD	2.40	115.53	111.27
14	g	802	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	n	826	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	A	810	CLA	C1B-CHB-C4A	-2.40	125.37	130.12
14	A	835	CLA	CHB-C4A-NA	2.40	127.82	124.51
14	a	803	CLA	CHB-C4A-NA	2.40	127.82	124.51
14	b	835	CLA	CHB-C4A-NA	2.40	127.82	124.51
14	n	832	CLA	C1B-CHB-C4A	-2.39	125.37	130.12
14	a	836	CLA	C1B-CHB-C4A	-2.39	125.37	130.12
17	u	103	BCR	C33-C5-C4	2.39	118.22	113.62
17	b	850	BCR	C3-C4-C5	-2.39	109.80	114.08
14	G	837	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	n	822	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	A	829	CLA	O2D-CGD-CBD	2.39	115.52	111.27
14	B	806	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	g	837	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	B	815	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	b	824	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	b	829	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	A	830	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	G	810	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	N	842	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
19	G	851	CL0	O2A-CGA-O1A	-2.39	117.56	123.59
17	B	851	BCR	C1-C6-C5	-2.39	119.25	122.61
14	b	824	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	A	812	CLA	C1B-CHB-C4A	-2.39	125.38	130.12
14	B	820	CLA	CHB-C4A-NA	2.39	127.82	124.51
14	B	837	CLA	CHB-C4A-NA	2.39	127.82	124.51
17	N	844	BCR	C33-C5-C4	2.39	118.20	113.62
14	N	830	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	N	811	CLA	CHB-C4A-NA	2.39	127.81	124.51
14	G	818	CLA	CHB-C4A-NA	2.39	127.81	124.51
14	n	811	CLA	CHB-C4A-NA	2.39	127.81	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	j	104	BCR	C11-C12-C13	-2.39	119.71	126.42
17	F	203	BCR	C38-C26-C27	2.39	118.20	113.62
14	g	825	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	n	806	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	f	202	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
17	N	849	BCR	C7-C8-C9	-2.39	122.63	126.23
14	n	809	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	n	823	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
17	n	845	BCR	C8-C7-C6	-2.39	120.50	127.20
17	N	853	BCR	C28-C27-C26	-2.39	109.82	114.08
19	g	851	CL0	CMB-C2B-C1B	-2.39	124.80	128.46
14	B	818	CLA	C1B-CHB-C4A	-2.39	125.39	130.12
14	g	809	CLA	CHB-C4A-NA	2.38	127.81	124.51
14	g	821	CLA	CHB-C4A-NA	2.38	127.81	124.51
14	g	819	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
14	f	201	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
17	l	205	BCR	C28-C27-C26	-2.38	109.82	114.08
14	G	825	CLA	CHB-C4A-NA	2.38	127.81	124.51
14	g	839	CLA	CHB-C4A-NA	2.38	127.81	124.51
14	b	838	CLA	CHB-C4A-NA	2.38	127.81	124.51
17	I	103	BCR	C1-C6-C5	-2.38	119.26	122.61
17	j	103	BCR	C38-C26-C27	2.38	118.19	113.62
14	L	1503	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
14	b	810	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
17	b	845	BCR	C34-C9-C10	-2.38	119.59	122.92
17	b	846	BCR	C35-C13-C14	-2.38	119.59	122.92
14	b	833	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	B	836	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
17	U	103	BCR	C23-C24-C25	-2.38	120.52	127.20
14	b	825	CLA	C1B-CHB-C4A	-2.38	125.40	130.12
14	A	831	CLA	CHB-C4A-NA	2.38	127.80	124.51
17	T	104	BCR	C33-C5-C4	2.38	118.19	113.62
14	N	805	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	N	833	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	g	840	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
14	a	816	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
14	s	201	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
14	B	835	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	g	806	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
14	n	839	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
14	G	831	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	A	855	CLA	CHB-C4A-NA	2.38	127.80	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	l	203	CLA	CHD-C1D-ND	-2.38	122.27	124.45
14	N	825	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
17	A	849	BCR	C38-C26-C27	2.38	118.18	113.62
14	n	850	CLA	C1B-CHB-C4A	-2.38	125.41	130.12
14	n	809	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	A	832	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	N	842	CLA	CMB-C2B-C3B	2.38	129.12	124.68
14	j	102	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	J	101	CLA	C1B-CHB-C4A	-2.37	125.41	130.12
17	B	846	BCR	C16-C15-C14	-2.37	118.61	123.47
14	G	808	CLA	O2A-CGA-O1A	-2.37	117.60	123.59
17	A	846	BCR	C23-C24-C25	-2.37	120.53	127.20
14	B	819	CLA	CHB-C4A-NA	2.37	127.80	124.51
17	v	101	BCR	C10-C11-C12	-2.37	115.81	123.22
14	n	832	CLA	C1-C2-C3	-2.37	121.94	126.04
14	g	836	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	b	815	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	t	102	CLA	CAA-C2A-C3A	-2.37	110.56	116.10
14	N	838	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	n	834	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	N	836	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	a	808	CLA	CHB-C4A-NA	2.37	127.79	124.51
17	G	848	BCR	C16-C15-C14	-2.37	118.62	123.47
17	b	843	BCR	C3-C4-C5	-2.37	109.84	114.08
14	a	829	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	g	821	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	n	835	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	B	823	CLA	C1B-CHB-C4A	-2.37	125.42	130.12
14	A	818	CLA	CHB-C4A-NA	2.37	127.79	124.51
14	N	839	CLA	C1-C2-C3	-2.37	121.95	126.04
14	W	203	CLA	CHD-C1D-ND	-2.37	122.28	124.45
17	w	207	BCR	C2-C1-C6	2.37	114.13	110.48
14	n	828	CLA	CHB-C4A-NA	2.37	127.79	124.51
17	W	206	BCR	C38-C26-C27	2.37	118.16	113.62
14	G	838	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	A	817	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	a	810	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
17	g	848	BCR	C10-C11-C12	-2.37	115.83	123.22
14	T	102	CLA	CHB-C4A-NA	2.37	127.78	124.51
17	A	849	BCR	C16-C15-C14	-2.37	118.63	123.47
14	g	808	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	A	829	CLA	C1B-CHB-C4A	-2.37	125.43	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	807	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	b	840	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	G	840	CLA	CHB-C4A-NA	2.37	127.78	124.51
14	b	841	CLA	CHB-C4A-NA	2.37	127.78	124.51
14	g	823	CLA	C1B-CHB-C4A	-2.37	125.43	130.12
14	N	832	CLA	C2D-C1D-ND	-2.37	108.36	110.10
14	l	204	CLA	C1B-CHB-C4A	-2.36	125.43	130.12
14	a	809	CLA	CHD-C1D-ND	-2.36	122.28	124.45
14	N	807	CLA	CHB-C4A-NA	2.36	127.78	124.51
14	B	830	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
17	L	1504	BCR	C23-C24-C25	-2.36	120.56	127.20
14	b	818	CLA	CHB-C4A-NA	2.36	127.78	124.51
17	b	846	BCR	C38-C26-C27	2.36	118.15	113.62
14	G	829	CLA	CHB-C4A-NA	2.36	127.78	124.51
14	g	827	CLA	C1-C2-C3	-2.36	121.96	126.04
14	n	837	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	N	803	CLA	CAA-CBA-CGA	-2.36	106.35	113.25
14	a	836	CLA	CHB-C4A-NA	2.36	127.78	124.51
14	g	830	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
14	N	851	CLA	CHD-C1D-ND	-2.36	122.28	124.45
14	T	102	CLA	CAA-C2A-C3A	-2.36	110.59	116.10
14	N	812	CLA	CHB-C4A-NA	2.36	127.78	124.51
14	A	836	CLA	CHB-C4A-NA	2.36	127.78	124.51
14	A	820	CLA	C1B-CHB-C4A	-2.36	125.44	130.12
17	b	844	BCR	C33-C5-C4	2.36	118.15	113.62
14	g	804	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
17	J	103	BCR	C38-C26-C27	2.36	118.15	113.62
17	N	844	BCR	C8-C7-C6	-2.36	120.58	127.20
14	a	837	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
14	j	102	CLA	CAA-C2A-C3A	-2.36	110.60	116.10
17	G	846	BCR	C38-C26-C27	2.36	118.14	113.62
17	n	851	BCR	C38-C26-C27	2.36	118.14	113.62
14	W	204	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
14	g	815	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
17	l	206	BCR	C38-C26-C27	2.36	118.14	113.62
14	b	816	CLA	C1B-CHB-C4A	-2.36	125.45	130.12
14	G	827	CLA	CHB-C4A-NA	2.36	127.77	124.51
14	b	802	CLA	CHB-C4A-NA	2.36	127.77	124.51
14	t	102	CLA	CHB-C4A-NA	2.35	127.77	124.51
14	b	836	CLA	CHB-C4A-NA	2.35	127.77	124.51
14	a	818	CLA	C1B-CHB-C4A	-2.35	125.45	130.12
17	a	847	BCR	C15-C16-C17	-2.35	118.65	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	808	CLA	CHB-C4A-NA	2.35	127.77	124.51
14	G	815	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	a	820	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	g	807	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
15	a	841	PQN	C11-C12-C13	-2.35	122.88	126.79
17	j	104	BCR	C37-C22-C21	-2.35	119.63	122.92
14	N	814	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	b	835	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
17	k	102	BCR	C23-C24-C25	-2.35	120.60	127.20
14	g	816	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
14	A	822	CLA	C1B-CHB-C4A	-2.35	125.46	130.12
19	g	851	CL0	O2A-CGA-O1A	-2.35	117.66	123.59
14	n	838	CLA	CHB-C4A-NA	2.35	127.76	124.51
17	b	844	BCR	C23-C24-C25	-2.35	120.60	127.20
17	n	843	BCR	C38-C26-C25	-2.35	121.89	124.53
14	n	829	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	G	826	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	A	837	CLA	CHB-C4A-NA	2.35	127.76	124.51
14	A	816	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	N	805	CLA	CAC-C3C-C4C	2.35	127.86	124.81
14	G	804	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	g	810	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	a	802	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
14	N	825	CLA	CHB-C4A-NA	2.35	127.76	124.51
14	A	808	CLA	CHB-C4A-NA	2.35	127.76	124.51
14	g	827	CLA	C1B-CHB-C4A	-2.35	125.47	130.12
17	b	848	BCR	C16-C15-C14	-2.34	118.67	123.47
14	G	806	CLA	C1B-CHB-C4A	-2.34	125.47	130.12
14	a	854	CLA	C1B-CHB-C4A	-2.34	125.47	130.12
14	g	829	CLA	CHB-C4A-NA	2.34	127.75	124.51
17	g	848	BCR	C1-C6-C7	2.34	122.41	115.78
14	N	826	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	G	834	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	b	839	CLA	CHB-C4A-NA	2.34	127.75	124.51
17	N	847	BCR	C11-C12-C13	-2.34	119.84	126.42
15	n	841	PQN	C14-C13-C15	2.34	119.21	115.27
14	a	826	CLA	C1-C2-C3	-2.34	121.99	126.04
14	N	837	CLA	CHB-C4A-NA	2.34	127.75	124.51
14	g	820	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	X	1701	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	b	812	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	B	841	CLA	CMB-C2B-C3B	2.34	129.06	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	N	806	CLA	CHB-C4A-NA	2.34	127.75	124.51
17	t	103	BCR	C8-C7-C6	-2.34	120.63	127.20
14	b	830	CLA	C1-C2-C3	-2.34	122.00	126.04
14	A	824	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	B	806	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
14	b	832	CLA	C1B-CHB-C4A	-2.34	125.48	130.12
17	m	102	BCR	C33-C5-C4	2.34	118.11	113.62
17	J	103	BCR	C23-C24-C25	-2.34	120.64	127.20
14	a	828	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
17	b	847	BCR	C33-C5-C4	2.34	118.11	113.62
14	N	811	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
17	B	847	BCR	C38-C26-C27	2.34	118.11	113.62
14	n	815	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
14	B	834	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
14	G	816	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
14	G	824	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
14	a	815	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
17	g	846	BCR	C33-C5-C4	2.34	118.10	113.62
14	g	835	CLA	C1B-CHB-C4A	-2.34	125.49	130.12
17	G	844	BCR	C33-C5-C4	2.33	118.10	113.62
17	J	103	BCR	C8-C7-C6	-2.33	120.65	127.20
14	S	201	CLA	CHB-C4A-NA	2.33	127.74	124.51
14	N	838	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	n	824	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	A	839	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
17	b	852	BCR	C33-C5-C6	-2.33	121.91	124.53
14	F	202	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	B	832	CLA	CHB-C4A-NA	2.33	127.74	124.51
17	A	847	BCR	C23-C24-C25	-2.33	120.65	127.20
14	n	811	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	N	841	CLA	O2A-CGA-O1A	-2.33	117.71	123.59
14	g	822	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	B	812	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
17	A	856	BCR	C24-C23-C22	-2.33	122.71	126.23
14	B	850	CLA	CHB-C4A-NA	2.33	127.73	124.51
14	A	828	CLA	C1-C2-C3	-2.33	122.01	126.04
14	G	839	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
17	A	848	BCR	C23-C24-C25	-2.33	120.66	127.20
17	G	847	BCR	C16-C15-C14	-2.33	118.70	123.47
14	L	1501	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	B	841	CLA	CHB-C4A-NA	2.33	127.73	124.51
17	w	201	BCR	C38-C26-C27	2.33	118.09	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	808	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
17	y	101	BCR	C33-C5-C4	2.33	118.09	113.62
14	n	807	CLA	CHB-C4A-NA	2.33	127.73	124.51
14	L	1502	CLA	CHD-C1D-ND	-2.33	122.31	124.45
14	L	1503	CLA	CHB-C4A-NA	2.33	127.73	124.51
14	N	815	CLA	C1B-CHB-C4A	-2.33	125.50	130.12
14	n	804	CLA	CAC-C3C-C4C	2.33	127.83	124.81
14	G	808	CLA	CHB-C4A-NA	2.33	127.73	124.51
14	l	202	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
14	a	835	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
14	w	204	CLA	CHD-C1D-ND	-2.33	122.32	124.45
14	g	836	CLA	CHB-C4A-NA	2.33	127.73	124.51
17	a	843	BCR	C16-C15-C14	-2.33	118.71	123.47
14	N	817	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
14	b	807	CLA	C1B-CHB-C4A	-2.33	125.51	130.12
14	B	838	CLA	C1B-CHB-C4A	-2.32	125.51	130.12
17	M	101	BCR	C11-C10-C9	-2.32	123.99	127.31
17	B	852	BCR	C38-C26-C27	2.32	118.08	113.62
14	N	851	CLA	C1-C2-C3	-2.32	122.02	126.04
14	B	836	CLA	CHB-C4A-NA	2.32	127.72	124.51
14	b	827	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
17	S	204	BCR	C35-C13-C14	-2.32	119.67	122.92
14	G	810	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	T	101	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	a	825	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	N	820	CLA	CHB-C4A-NA	2.32	127.72	124.51
17	B	848	BCR	C20-C19-C18	-2.32	119.89	126.42
14	g	839	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	g	827	CLA	CHB-C4A-NA	2.32	127.72	124.51
14	B	816	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	B	825	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	a	830	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
17	a	844	BCR	C20-C19-C18	-2.32	119.90	126.42
17	B	847	BCR	C8-C7-C6	-2.32	120.69	127.20
14	A	821	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
17	n	847	BCR	C33-C5-C4	2.32	118.07	113.62
17	w	206	BCR	C28-C27-C26	-2.32	109.94	114.08
14	B	831	CLA	C1B-CHB-C4A	-2.32	125.52	130.12
14	G	853	CLA	O2A-CGA-O1A	-2.32	117.74	123.59
14	w	205	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
14	b	814	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
14	B	814	CLA	C1B-CHB-C4A	-2.32	125.53	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	831	CLA	CHB-C4A-NA	2.32	127.72	124.51
14	N	829	CLA	C1-C2-C3	-2.32	122.03	126.04
14	G	822	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
14	N	851	CLA	O2A-CGA-O1A	-2.32	117.75	123.59
14	A	802	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
17	N	846	BCR	C8-C7-C6	-2.32	120.70	127.20
14	G	812	CLA	C1B-CHB-C4A	-2.32	125.53	130.12
17	n	849	BCR	C8-C7-C6	-2.31	120.70	127.20
14	n	803	CLA	C1-C2-C3	-2.31	122.04	126.04
14	A	818	CLA	C1-C2-C3	-2.31	122.04	126.04
14	G	830	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
14	n	812	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
14	a	838	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
14	N	842	CLA	CHB-C4A-NA	2.31	127.71	124.51
14	G	802	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
14	g	833	CLA	C1B-CHB-C4A	-2.31	125.53	130.12
17	u	103	BCR	C8-C7-C6	-2.31	120.70	127.20
14	g	824	CLA	CHB-C4A-NA	2.31	127.71	124.51
14	b	812	CLA	CHB-C4A-NA	2.31	127.71	124.51
14	s	202	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
14	B	840	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
14	b	803	CLA	CHB-C4A-NA	2.31	127.71	124.51
14	B	815	CLA	C1-C2-C3	-2.31	123.01	126.75
14	N	822	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
19	G	851	CL0	C1D-CHD-C4C	-2.31	121.08	126.06
14	B	809	CLA	O2D-CGD-CBD	2.31	115.37	111.27
14	n	805	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
14	n	817	CLA	C1B-CHB-C4A	-2.31	125.54	130.12
17	K	102	BCR	C8-C7-C6	-2.31	120.72	127.20
14	B	837	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
17	t	103	BCR	C38-C26-C27	2.31	118.05	113.62
14	g	853	CLA	CHD-C1D-ND	-2.31	122.33	124.45
14	A	853	CLA	CHB-C4A-NA	2.31	127.70	124.51
14	a	821	CLA	CHB-C4A-NA	2.31	127.70	124.51
14	N	841	CLA	C1B-CHB-C4A	-2.31	125.55	130.12
17	F	203	BCR	C33-C5-C4	2.31	118.05	113.62
17	n	842	BCR	C8-C7-C6	-2.31	120.72	127.20
14	G	832	CLA	CHB-C4A-NA	2.31	127.70	124.51
17	g	843	BCR	C29-C30-C25	2.31	114.03	110.48
17	g	843	BCR	C34-C9-C10	-2.31	119.69	122.92
17	i	102	BCR	C37-C22-C23	2.31	121.71	118.08
20	b	801	SQD	O5-C5-C4	2.31	113.88	109.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	N	824	CLA	C1B-CHB-C4A	-2.30	125.55	130.12
14	U	102	CLA	C1B-CHB-C4A	-2.30	125.55	130.12
14	A	805	CLA	CHB-C4A-NA	2.30	127.70	124.51
14	g	817	CLA	C1-C2-C3	-2.30	122.06	126.04
14	N	829	CLA	O2A-CGA-O1A	-2.30	117.78	123.59
14	g	805	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	a	840	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	h	1701	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
17	n	849	BCR	C33-C5-C4	2.30	118.03	113.62
14	W	202	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
17	N	849	BCR	C21-C20-C19	-2.30	116.04	123.22
14	g	801	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	k	101	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	W	203	CLA	O2D-CGD-CBD	2.30	115.35	111.27
17	B	844	BCR	C1-C6-C7	2.30	122.28	115.78
14	B	839	CLA	CHB-C4A-NA	2.30	127.69	124.51
14	B	820	CLA	CHD-C1D-ND	-2.30	122.34	124.45
14	N	807	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	N	816	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	N	839	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	S	201	CLA	C1B-CHB-C4A	-2.30	125.56	130.12
14	A	821	CLA	CHB-C4A-NA	2.30	127.69	124.51
17	g	848	BCR	C38-C26-C27	2.30	118.03	113.62
14	b	805	CLA	CHB-C4A-NA	2.30	127.69	124.51
17	u	103	BCR	C23-C24-C25	-2.30	120.75	127.20
14	G	819	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	G	811	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	N	831	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	x	1701	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	A	806	CLA	C1B-CHB-C4A	-2.30	125.57	130.12
14	B	805	CLA	CAA-C2A-C3A	-2.29	106.49	112.78
14	n	852	CLA	CHB-C4A-NA	2.29	127.68	124.51
14	S	203	CLA	C1B-CHB-C4A	-2.29	125.57	130.12
14	u	102	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	A	837	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	B	817	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
14	a	831	CLA	C1-C2-C3	-2.29	122.08	126.04
17	a	847	BCR	C33-C5-C4	2.29	118.02	113.62
14	N	809	CLA	CHB-C4A-NA	2.29	127.68	124.51
17	n	845	BCR	C15-C16-C17	-2.29	118.78	123.47
14	b	823	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
17	V	101	BCR	C33-C5-C4	2.29	118.01	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	843	BCR	C33-C5-C6	-2.29	121.96	124.53
14	H	1701	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
17	G	843	BCR	C28-C27-C26	-2.29	109.99	114.08
14	J	102	CLA	C1B-CHB-C4A	-2.29	125.58	130.12
17	B	846	BCR	C36-C18-C17	-2.29	119.72	122.92
14	G	823	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
14	N	834	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
14	N	837	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
14	B	833	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
14	a	821	CLA	C1B-CHB-C4A	-2.29	125.59	130.12
17	b	843	BCR	C27-C26-C25	-2.29	119.41	122.73
14	n	823	CLA	CHB-C4A-NA	2.29	127.67	124.51
14	f	202	CLA	CHB-C4A-NA	2.29	127.67	124.51
14	N	829	CLA	CHB-C4A-NA	2.28	127.67	124.51
17	n	843	BCR	C21-C20-C19	-2.28	116.09	123.22
14	G	839	CLA	C1-C2-C3	-2.28	122.09	126.04
14	b	818	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	b	851	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
17	a	848	BCR	C36-C18-C17	-2.28	119.73	122.92
17	b	848	BCR	C10-C11-C12	-2.28	116.10	123.22
14	g	813	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	G	836	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	A	804	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	N	818	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	b	806	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
17	I	102	BCR	C33-C5-C4	2.28	118.00	113.62
14	A	841	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	a	839	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
17	F	203	BCR	C15-C16-C17	-2.28	118.81	123.47
17	n	844	BCR	C34-C9-C10	-2.28	119.73	122.92
14	n	818	CLA	CHB-C4A-NA	2.28	127.66	124.51
14	G	814	CLA	C1B-CHB-C4A	-2.28	125.60	130.12
14	n	803	CLA	CHB-C4A-NA	2.28	127.66	124.51
14	a	822	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
17	W	205	BCR	C3-C4-C5	-2.28	110.01	114.08
14	G	813	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
14	B	821	CLA	C1B-CHB-C4A	-2.28	125.61	130.12
14	b	833	CLA	CHD-C1D-ND	-2.28	122.36	124.45
14	G	827	CLA	C1-C2-C3	-2.28	122.11	126.04
17	B	847	BCR	C33-C5-C4	2.28	117.99	113.62
17	N	849	BCR	C34-C9-C8	2.28	121.66	118.08
17	N	853	BCR	C20-C19-C18	-2.27	120.03	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	850	CLA	O2A-CGA-O1A	-2.27	117.85	123.59
14	N	816	CLA	C1-C2-C3	-2.27	123.07	126.75
17	l	206	BCR	C15-C16-C17	-2.27	118.82	123.47
17	I	102	BCR	C31-C1-C6	-2.27	106.61	110.30
14	A	832	CLA	C1-C2-C3	-2.27	122.11	126.04
17	G	845	BCR	C15-C16-C17	-2.27	118.82	123.47
14	g	803	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	g	818	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	A	819	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
17	N	853	BCR	C34-C9-C10	-2.27	119.74	122.92
14	N	801	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	g	817	CLA	CHB-C4A-NA	2.27	127.65	124.51
17	A	848	BCR	C16-C15-C14	-2.27	118.83	123.47
14	B	828	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	n	832	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
14	K	101	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	G	801	CLA	CHD-C1D-ND	-2.27	122.37	124.45
14	W	204	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	a	817	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	B	813	CLA	C1B-CHB-C4A	-2.27	125.62	130.12
14	A	823	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
17	K	102	BCR	C33-C5-C4	2.27	117.97	113.62
14	A	857	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
14	a	826	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	a	813	CLA	C1B-CHB-C4A	-2.27	125.63	130.12
14	G	833	CLA	CHD-C1D-ND	-2.27	122.37	124.45
17	a	848	BCR	C23-C24-C25	-2.27	120.84	127.20
14	U	101	CLA	C1B-CHB-C4A	-2.26	125.63	130.12
14	t	101	CLA	C1B-CHB-C4A	-2.26	125.63	130.12
17	g	848	BCR	C36-C18-C17	-2.26	119.75	122.92
14	G	815	CLA	CHB-C4A-NA	2.26	127.64	124.51
14	B	834	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
17	B	851	BCR	C30-C25-C26	-2.26	119.43	122.61
17	L	1504	BCR	C35-C13-C14	-2.26	119.75	122.92
14	B	810	CLA	CHB-C4A-NA	2.26	127.64	124.51
17	N	846	BCR	C11-C12-C13	-2.26	120.07	126.42
17	A	844	BCR	C29-C30-C25	2.26	113.96	110.48
14	b	819	CLA	CHB-C4A-NA	2.26	127.64	124.51
14	n	813	CLA	C1B-CHB-C4A	-2.26	125.64	130.12
17	V	101	BCR	C28-C27-C26	-2.26	110.05	114.08
14	n	814	CLA	CAA-C2A-C3A	-2.26	106.60	112.78
14	G	808	CLA	C1-C2-C3	-2.26	122.14	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	845	BCR	C1-C6-C5	-2.26	119.44	122.61
14	b	821	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
14	A	808	CLA	C1-C2-C3	-2.26	122.14	126.04
17	m	102	BCR	C7-C8-C9	-2.26	122.83	126.23
14	u	101	CLA	C1B-CHB-C4A	-2.26	125.65	130.12
17	W	201	BCR	C8-C9-C10	-2.25	115.48	118.94
14	n	816	CLA	C1B-CHB-C4A	-2.25	125.65	130.12
15	g	841	PQN	C2M-C2-C1	2.25	120.01	116.27
14	A	811	CLA	C1B-CHB-C4A	-2.25	125.65	130.12
14	a	805	CLA	C1B-CHB-C4A	-2.25	125.65	130.12
17	A	844	BCR	C21-C20-C19	-2.25	116.19	123.22
17	n	845	BCR	C35-C13-C14	-2.25	119.77	122.92
17	G	847	BCR	C8-C7-C6	-2.25	120.88	127.20
17	v	101	BCR	C37-C22-C21	-2.25	119.77	122.92
14	n	814	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
14	N	828	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
14	b	813	CLA	C1B-CHB-C4A	-2.25	125.66	130.12
17	A	849	BCR	C23-C24-C25	-2.25	120.89	127.20
19	a	851	CL0	CHC-C1C-C2C	-2.25	120.50	126.72
14	A	815	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
14	A	814	CLA	C1B-CHB-C4A	-2.25	125.67	130.12
17	j	103	BCR	C23-C24-C25	-2.25	120.89	127.20
17	N	849	BCR	C38-C26-C25	-2.25	122.01	124.53
14	b	810	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
14	g	828	CLA	C1-C2-C3	-2.25	122.16	126.04
14	A	836	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
14	N	826	CLA	C1-C2-C3	-2.24	122.16	126.04
14	n	833	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
14	a	814	CLA	C1B-CHB-C4A	-2.24	125.67	130.12
14	N	830	CLA	CHB-C4A-NA	2.24	127.61	124.51
14	a	807	CLA	O2A-CGA-O1A	-2.24	117.93	123.59
19	G	851	CL0	CHD-C4C-NC	2.24	127.74	124.20
14	b	828	CLA	CHB-C4A-NA	2.24	127.61	124.51
17	n	849	BCR	C16-C15-C14	-2.24	118.88	123.47
17	a	844	BCR	C16-C15-C14	-2.24	118.88	123.47
14	a	801	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
14	B	807	CLA	CHD-C1D-ND	-2.24	122.39	124.45
17	T	103	BCR	C38-C26-C27	2.24	117.92	113.62
14	A	813	CLA	C1B-CHB-C4A	-2.24	125.68	130.12
17	j	104	BCR	C36-C18-C17	-2.24	119.79	122.92
15	a	841	PQN	C2M-C2-C1	2.24	119.98	116.27
19	a	851	CL0	C1D-CHD-C4C	-2.24	121.23	126.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	825	CLA	C1-C2-C3	-2.24	122.17	126.04
14	n	821	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
17	b	847	BCR	C8-C7-C6	-2.24	120.92	127.20
14	B	827	CLA	C1B-CHB-C4A	-2.24	125.69	130.12
14	a	821	CLA	CHD-C1D-ND	-2.24	122.40	124.45
20	H	1702	SQD	O5-C5-C4	2.23	113.75	109.69
14	W	203	CLA	O2A-CGA-O1A	-2.23	117.95	123.59
17	I	101	BCR	C38-C26-C27	2.23	117.91	113.62
14	G	828	CLA	CHB-C4A-NA	2.23	127.60	124.51
17	F	203	BCR	C35-C13-C14	-2.23	119.79	122.92
17	k	102	BCR	C20-C19-C18	-2.23	120.14	126.42
14	A	827	CLA	CHB-C4A-NA	2.23	127.60	124.51
14	a	831	CLA	CHB-C4A-NA	2.23	127.60	124.51
17	Y	101	BCR	C7-C8-C9	-2.23	122.86	126.23
17	l	206	BCR	C23-C24-C25	-2.23	120.93	127.20
18	v	102	LHG	C26-C25-C24	2.23	121.21	113.19
14	B	824	CLA	CHB-C4A-NA	2.23	127.60	124.51
14	N	812	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
17	N	853	BCR	C33-C5-C6	-2.23	122.02	124.53
14	b	840	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
17	V	101	BCR	C34-C9-C10	-2.23	119.80	122.92
17	a	847	BCR	C23-C24-C25	-2.23	120.94	127.20
14	b	828	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
17	n	847	BCR	C38-C26-C27	2.23	117.90	113.62
17	a	847	BCR	C38-C26-C25	-2.23	122.03	124.53
14	G	824	CLA	C1-C2-C3	-2.23	122.19	126.04
14	a	812	CLA	C1B-CHB-C4A	-2.23	125.70	130.12
14	n	840	CLA	CMB-C2B-C3B	2.23	128.85	124.68
17	l	205	BCR	C40-C30-C25	-2.23	106.69	110.30
14	a	807	CLA	C1-C2-C3	-2.23	122.19	126.04
17	M	101	BCR	C33-C5-C4	2.23	117.89	113.62
17	t	103	BCR	C23-C24-C25	-2.23	120.95	127.20
17	I	101	BCR	C2-C1-C6	2.22	113.91	110.48
14	b	817	CLA	C1B-CHB-C4A	-2.22	125.71	130.12
17	I	102	BCR	C35-C13-C14	-2.22	119.81	122.92
14	F	201	CLA	C1-C2-C3	-2.22	122.20	126.04
17	a	845	BCR	C1-C6-C5	-2.22	119.48	122.61
17	J	103	BCR	C15-C16-C17	-2.22	118.92	123.47
14	n	840	CLA	C1B-CHB-C4A	-2.22	125.71	130.12
17	a	843	BCR	C21-C20-C19	-2.22	116.28	123.22
17	i	101	BCR	C31-C1-C6	-2.22	106.69	110.30
17	n	842	BCR	C3-C4-C5	-2.22	110.11	114.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	b	847	BCR	C23-C24-C25	-2.22	120.96	127.20
15	g	841	PQN	C12-C11-C3	-2.22	106.06	112.05
14	a	801	CLA	C1-C2-C3	-2.22	122.20	126.04
14	G	810	CLA	CHD-C1D-ND	-2.22	122.41	124.45
17	n	849	BCR	C38-C26-C27	2.22	117.88	113.62
17	a	846	BCR	C4-C5-C6	-2.22	119.51	122.73
14	A	830	CLA	O2A-CGA-O1A	-2.22	117.99	123.59
17	B	852	BCR	C28-C27-C26	-2.22	110.12	114.08
14	a	824	CLA	O2A-CGA-O1A	-2.22	118.00	123.59
14	a	803	CLA	CHD-C1D-ND	-2.22	122.42	124.45
14	g	812	CLA	C1B-CHB-C4A	-2.22	125.72	130.12
14	B	804	CLA	CHB-C4A-NA	2.22	127.58	124.51
14	b	822	CLA	C1B-CHB-C4A	-2.22	125.73	130.12
14	N	804	CLA	CHB-C4A-NA	2.22	127.58	124.51
14	N	808	CLA	C1-C2-C3	-2.22	122.21	126.04
14	n	804	CLA	C1-C2-C3	-2.22	122.21	126.04
17	t	104	BCR	C37-C22-C21	-2.22	119.82	122.92
14	A	825	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
14	A	854	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
14	n	852	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
14	b	809	CLA	O2D-CGD-CBD	2.21	115.20	111.27
14	g	830	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
17	n	843	BCR	C27-C26-C25	-2.21	119.52	122.73
14	b	833	CLA	C1-C2-C3	-2.21	122.22	126.04
14	G	806	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
14	b	811	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
17	g	843	BCR	C8-C7-C6	-2.21	121.00	127.20
14	n	820	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
14	n	810	CLA	C1B-CHB-C4A	-2.21	125.74	130.12
17	T	104	BCR	C8-C7-C6	-2.21	121.00	127.20
17	M	101	BCR	C34-C9-C8	2.21	121.56	118.08
17	N	847	BCR	C30-C25-C26	-2.21	119.50	122.61
17	g	846	BCR	C38-C26-C27	2.21	117.86	113.62
14	N	809	CLA	O2A-CGA-O1A	-2.21	118.02	123.59
17	n	851	BCR	C38-C26-C25	-2.21	122.05	124.53
14	a	804	CLA	C1-C2-C3	-2.21	122.23	126.04
14	N	823	CLA	C1B-CHB-C4A	-2.21	125.75	130.12
17	A	849	BCR	C1-C6-C7	2.21	122.02	115.78
17	v	101	BCR	C29-C30-C25	2.20	113.88	110.48
17	B	852	BCR	C34-C9-C10	-2.20	119.84	122.92
14	b	837	CLA	C1-C2-C3	-2.20	122.23	126.04
14	g	854	CLA	CHB-C4A-NA	2.20	127.56	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	830	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
14	g	814	CLA	C1B-CHB-C4A	-2.20	125.75	130.12
14	G	819	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
17	W	206	BCR	C10-C11-C12	-2.20	116.34	123.22
14	B	850	CLA	C1-C2-C3	-2.20	122.24	126.04
17	G	848	BCR	C32-C1-C6	-2.20	106.73	110.30
17	b	843	BCR	C8-C7-C6	-2.20	121.02	127.20
17	T	104	BCR	C20-C19-C18	-2.20	120.23	126.42
17	G	848	BCR	C38-C26-C27	2.20	117.84	113.62
17	G	844	BCR	C30-C25-C26	-2.20	119.52	122.61
17	A	847	BCR	C8-C7-C6	-2.20	121.03	127.20
14	B	838	CLA	O2A-CGA-O1A	-2.20	118.04	123.59
14	a	817	CLA	C1-C2-C3	-2.20	122.24	126.04
17	a	846	BCR	C35-C13-C12	2.20	121.54	118.08
17	g	847	BCR	C23-C24-C25	-2.19	121.04	127.20
14	G	818	CLA	C1-C2-C3	-2.19	122.25	126.04
17	g	843	BCR	C37-C22-C23	2.19	121.53	118.08
14	a	807	CLA	C1B-CHB-C4A	-2.19	125.77	130.12
14	B	822	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
14	A	804	CLA	O2A-CGA-O1A	-2.19	118.06	123.59
17	b	846	BCR	C23-C24-C25	-2.19	121.05	127.20
14	g	826	CLA	C1-C2-C3	-2.19	122.26	126.04
14	A	808	CLA	C1B-CHB-C4A	-2.19	125.78	130.12
17	g	848	BCR	C37-C22-C21	-2.19	119.86	122.92
17	k	102	BCR	C16-C15-C14	-2.19	118.99	123.47
17	g	846	BCR	C37-C22-C21	-2.19	119.86	122.92
19	A	852	CL0	C1D-CHD-C4C	-2.19	121.34	126.06
17	g	843	BCR	C23-C24-C25	-2.19	121.06	127.20
14	b	814	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
14	a	827	CLA	CHB-C4A-NA	2.19	127.54	124.51
17	G	843	BCR	C16-C15-C14	-2.19	119.00	123.47
17	a	844	BCR	C8-C7-C6	-2.19	121.06	127.20
17	G	847	BCR	C10-C11-C12	-2.19	116.40	123.22
14	G	825	CLA	CHD-C1D-ND	-2.19	122.45	124.45
14	g	809	CLA	CHD-C1D-ND	-2.19	122.45	124.45
14	b	805	CLA	C1-C2-C3	-2.18	122.26	126.04
17	W	205	BCR	C21-C20-C19	-2.18	116.40	123.22
17	n	842	BCR	C20-C19-C18	-2.18	120.28	126.42
14	b	838	CLA	O2A-CGA-O1A	-2.18	118.08	123.59
14	N	834	CLA	O2A-CGA-O1A	-2.18	118.08	123.59
14	n	837	CLA	O2A-CGA-O1A	-2.18	118.08	123.59
14	B	811	CLA	C1B-CHB-C4A	-2.18	125.79	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	826	CLA	CHB-C4A-NA	2.18	127.53	124.51
14	B	826	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
17	G	844	BCR	C8-C7-C6	-2.18	121.08	127.20
17	G	847	BCR	C38-C26-C25	-2.18	122.08	124.53
14	n	808	CLA	O2D-CGD-CBD	2.18	115.14	111.27
17	A	847	BCR	C35-C13-C14	-2.18	119.87	122.92
17	t	104	BCR	C8-C7-C6	-2.18	121.08	127.20
17	w	206	BCR	C15-C16-C17	-2.18	119.01	123.47
17	g	844	BCR	C8-C7-C6	-2.18	121.09	127.20
17	g	845	BCR	C2-C1-C6	2.18	113.83	110.48
14	B	828	CLA	O2A-CGA-O1A	-2.18	118.10	123.59
14	b	830	CLA	C2D-C1D-ND	-2.18	108.50	110.10
17	m	102	BCR	C10-C11-C12	-2.17	116.43	123.22
14	A	801	CLA	CHD-C1D-ND	-2.17	122.46	124.45
14	b	807	CLA	C1-C2-C3	-2.17	122.28	126.04
17	g	843	BCR	C16-C15-C14	-2.17	119.02	123.47
14	n	850	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
14	B	833	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
14	b	838	CLA	CHD-C1D-ND	-2.17	122.46	124.45
14	g	804	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
14	N	808	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
17	y	101	BCR	C10-C11-C12	-2.17	116.44	123.22
14	g	824	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
14	S	201	CLA	C1-C2-C3	-2.17	122.29	126.04
17	i	101	BCR	C38-C26-C27	2.17	117.79	113.62
14	A	834	CLA	O2A-CGA-O1A	-2.17	118.11	123.59
14	A	810	CLA	CHD-C1D-ND	-2.17	122.46	124.45
14	a	838	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
17	l	206	BCR	C2-C1-C6	2.17	113.82	110.48
14	g	802	CLA	C1-C2-C3	-2.17	122.30	126.04
14	b	838	CLA	C1-C2-C3	-2.17	122.30	126.04
17	b	852	BCR	C33-C5-C4	2.17	117.78	113.62
17	g	848	BCR	C16-C15-C14	-2.17	119.04	123.47
17	A	848	BCR	C21-C20-C19	-2.17	116.46	123.22
14	A	855	CLA	O2A-CGA-O1A	-2.17	117.90	123.30
14	n	832	CLA	O2D-CGD-CBD	2.17	115.12	111.27
14	b	804	CLA	C1-C2-C3	-2.16	122.30	126.04
14	f	201	CLA	C1-C2-C3	-2.16	122.30	126.04
17	A	847	BCR	C20-C19-C18	-2.16	120.34	126.42
17	W	205	BCR	C33-C5-C6	-2.16	122.10	124.53
14	n	827	CLA	CHB-C4A-NA	2.16	127.50	124.51
14	g	829	CLA	CHD-C1D-ND	-2.16	122.47	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	G	851	CL0	C3C-C4C-NC	2.16	112.99	110.57
14	b	802	CLA	C1-C2-C3	-2.16	122.31	126.04
17	B	848	BCR	C29-C30-C25	2.16	113.81	110.48
14	b	828	CLA	C1-C2-C3	-2.16	122.31	126.04
14	n	806	CLA	CHD-C1D-ND	-2.16	122.47	124.45
17	g	847	BCR	C16-C15-C14	-2.16	119.05	123.47
14	B	840	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
14	g	806	CLA	O2D-CGD-CBD	2.16	115.10	111.27
14	g	821	CLA	CHD-C1D-ND	-2.16	122.47	124.45
14	A	808	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
14	g	806	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
14	g	852	CLA	C3C-C4C-NC	-2.16	108.15	110.57
14	A	853	CLA	C1-C2-C3	-2.15	122.32	126.04
14	A	818	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
17	N	846	BCR	C34-C9-C10	-2.15	119.91	122.92
14	G	821	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	N	820	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	G	818	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
14	B	814	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
14	g	820	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	n	815	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	G	802	CLA	C1-C2-C3	-2.15	122.33	126.04
14	G	853	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	B	826	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	B	813	CLA	C1-C2-C3	-2.15	122.33	126.04
17	A	849	BCR	C36-C18-C17	-2.15	119.92	122.92
17	a	848	BCR	C37-C22-C21	-2.15	119.92	122.92
17	b	846	BCR	C37-C22-C23	2.15	121.46	118.08
14	N	827	CLA	O2A-CGA-O1A	-2.15	118.18	123.59
14	A	830	CLA	CHD-C1D-ND	-2.14	122.48	124.45
14	A	828	CLA	CHB-C4A-NA	2.14	127.48	124.51
17	g	843	BCR	C21-C20-C19	-2.14	116.53	123.22
14	G	830	CLA	C1-C2-C3	-2.14	122.34	126.04
17	A	844	BCR	C3-C4-C5	-2.14	110.25	114.08
14	G	830	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
17	A	848	BCR	C10-C11-C12	-2.14	116.53	123.22
14	w	203	CLA	CHD-C1D-ND	-2.14	122.49	124.45
19	G	851	CL0	C4C-C3C-C2C	-2.14	103.78	106.90
18	m	101	LHG	C26-C25-C24	2.14	120.89	113.19
17	a	848	BCR	C28-C27-C26	-2.14	110.25	114.08
14	G	813	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
14	N	814	CLA	O2A-CGA-O1A	-2.14	118.19	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	G	822	CLA	CHD-C1D-ND	-2.14	122.49	124.45
14	G	808	CLA	C1B-CHB-C4A	-2.14	125.88	130.12
14	a	811	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
17	a	845	BCR	C15-C16-C17	-2.14	119.09	123.47
14	G	818	CLA	CHD-C1D-ND	-2.14	122.49	124.45
14	N	835	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
19	G	851	CL0	C2A-C1A-CHA	-2.14	120.12	123.86
14	b	807	CLA	CHD-C1D-ND	-2.14	122.49	124.45
17	N	853	BCR	C33-C5-C4	2.14	117.72	113.62
17	i	101	BCR	C21-C20-C19	-2.14	116.55	123.22
14	n	824	CLA	O2A-CGA-O1A	-2.14	118.20	123.59
14	g	836	CLA	CHD-C1D-ND	-2.13	122.49	124.45
14	a	812	CLA	O2A-CGA-O1A	-2.13	118.20	123.59
17	N	853	BCR	C23-C24-C25	-2.13	121.21	127.20
17	B	843	BCR	C20-C19-C18	-2.13	120.42	126.42
14	a	802	CLA	CHD-C1D-ND	-2.13	122.49	124.45
17	y	101	BCR	C15-C16-C17	-2.13	119.11	123.47
14	g	806	CLA	C1-C2-C3	-2.13	122.36	126.04
17	b	845	BCR	C38-C26-C27	2.13	117.71	113.62
14	B	808	CLA	CHD-C1D-ND	-2.13	122.50	124.45
14	B	824	CLA	CHD-C1D-ND	-2.13	122.50	124.45
14	B	815	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
17	a	847	BCR	C16-C15-C14	-2.13	119.11	123.47
14	L	1501	CLA	O2D-CGD-CBD	2.13	115.05	111.27
17	A	845	BCR	C37-C22-C21	-2.13	119.94	122.92
14	g	802	CLA	CHD-C1D-ND	-2.13	122.50	124.45
14	n	833	CLA	CHD-C1D-ND	-2.13	122.50	124.45
17	a	844	BCR	C36-C18-C17	-2.13	119.94	122.92
17	n	846	BCR	C33-C5-C4	2.13	117.70	113.62
14	a	806	CLA	O2D-CGD-CBD	2.13	115.05	111.27
17	b	846	BCR	C8-C7-C6	-2.13	121.23	127.20
14	n	837	CLA	CHD-C1D-ND	-2.13	122.50	124.45
19	g	851	CL0	C1-C2-C3	-2.13	122.36	126.04
17	y	101	BCR	C7-C8-C9	-2.13	123.02	126.23
14	n	833	CLA	O2D-CGD-CBD	2.13	115.05	111.27
17	a	846	BCR	C2-C1-C6	2.13	113.75	110.48
17	I	102	BCR	C2-C1-C6	2.13	113.75	110.48
14	G	804	CLA	CHD-C1D-ND	-2.13	122.50	124.45
14	l	202	CLA	O2D-CGD-CBD	2.12	115.04	111.27
14	B	841	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	N	808	CLA	CHD-C1D-ND	-2.12	122.50	124.45
14	g	824	CLA	CHD-C1D-ND	-2.12	122.50	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	N	849	BCR	C11-C10-C9	-2.12	124.28	127.31
14	n	805	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	s	201	CLA	CHD-C1D-ND	-2.12	122.50	124.45
14	b	820	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	G	816	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
14	a	820	CLA	CHD-C1D-ND	-2.12	122.50	124.45
17	I	101	BCR	C20-C19-C18	-2.12	120.46	126.42
14	g	807	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
14	s	201	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
19	a	851	CL0	CHD-C1D-C2D	2.12	129.93	125.48
14	G	839	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
14	n	825	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
17	a	848	BCR	C1-C6-C7	2.12	121.77	115.78
14	N	803	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	B	841	CLA	CHD-C1D-ND	-2.12	122.51	124.45
17	j	104	BCR	C16-C15-C14	-2.12	119.14	123.47
14	a	838	CLA	C1-C2-C3	-2.12	122.38	126.04
14	b	834	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
17	g	847	BCR	C15-C16-C17	-2.12	119.14	123.47
14	n	827	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
14	g	838	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	A	833	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	f	202	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	g	838	CLA	C1-C2-C3	-2.12	122.39	126.04
14	G	837	CLA	O2D-CGD-CBD	2.11	115.03	111.27
17	N	847	BCR	C27-C26-C25	-2.11	119.66	122.73
14	A	805	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	A	809	CLA	CHD-C1D-ND	-2.11	122.51	124.45
17	N	847	BCR	C35-C13-C14	-2.11	119.96	122.92
17	G	844	BCR	C16-C15-C14	-2.11	119.14	123.47
17	a	848	BCR	C4-C5-C6	-2.11	119.66	122.73
14	G	805	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
14	G	807	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
17	B	848	BCR	C35-C13-C12	2.11	121.41	118.08
14	B	810	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	U	102	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
17	f	203	BCR	C15-C16-C17	-2.11	119.15	123.47
15	N	843	PQN	C2M-C2-C1	2.11	119.77	116.27
17	l	205	BCR	C15-C16-C17	-2.11	119.15	123.47
14	b	830	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	N	842	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	b	808	CLA	CHD-C1D-ND	-2.11	122.52	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	834	CLA	O2D-CGD-CBD	2.11	115.02	111.27
14	A	803	CLA	CHD-C1D-ND	-2.11	122.52	124.45
17	G	848	BCR	C37-C22-C21	-2.11	119.97	122.92
17	f	203	BCR	C11-C12-C13	-2.11	120.50	126.42
14	n	838	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	A	826	CLA	O2A-CGA-O1A	-2.11	118.28	123.59
17	n	844	BCR	C38-C26-C27	2.11	117.66	113.62
14	g	803	CLA	O2A-CGA-O1A	-2.11	118.28	123.59
17	b	850	BCR	C20-C19-C18	-2.11	120.50	126.42
14	G	823	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	s	201	CLA	C1-C2-C3	-2.10	122.40	126.04
19	A	852	CL0	C4C-C3C-C2C	-2.10	103.83	106.90
14	t	102	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	G	831	CLA	O2A-CGA-O1A	-2.10	118.28	123.59
14	g	837	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
14	A	832	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
17	G	848	BCR	C1-C6-C7	2.10	121.72	115.78
17	n	847	BCR	C28-C27-C26	-2.10	110.32	114.08
14	N	817	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
14	n	827	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	a	804	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	B	829	CLA	CHB-C4A-NA	2.10	127.42	124.51
17	g	846	BCR	C3-C4-C5	-2.10	110.33	114.08
14	N	833	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	a	854	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	a	829	CLA	CHD-C1D-ND	-2.10	122.53	124.45
17	N	852	BCR	C27-C26-C25	-2.10	119.68	122.73
14	B	850	CLA	CHD-C1D-ND	-2.10	122.53	124.45
14	a	817	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	b	812	CLA	O2D-CGD-CBD	2.10	115.00	111.27
17	t	104	BCR	C36-C18-C17	-2.10	119.98	122.92
14	G	807	CLA	C1-C2-C3	-2.10	122.42	126.04
14	B	834	CLA	CHD-C1D-ND	-2.10	122.53	124.45
14	B	807	CLA	C1-C2-C3	-2.10	122.42	126.04
14	g	812	CLA	CHD-C1D-ND	-2.10	122.53	124.45
17	B	843	BCR	C8-C7-C6	-2.10	121.32	127.20
14	G	826	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	a	827	CLA	C1-C2-C3	-2.10	122.42	126.04
14	B	829	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	N	807	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	N	821	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	G	810	CLA	O2A-CGA-O1A	-2.09	118.31	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	j	103	BCR	C33-C5-C4	2.09	117.64	113.62
19	a	851	CL0	CED-O2D-CGD	2.09	120.67	115.94
14	G	853	CLA	C1-C2-C3	-2.09	122.43	126.04
19	a	851	CL0	C4C-C3C-C2C	-2.09	103.85	106.90
17	N	845	BCR	C38-C26-C25	-2.09	122.18	124.53
14	b	826	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
14	A	840	CLA	CHB-C4A-NA	2.09	127.40	124.51
14	G	834	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
14	b	820	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	a	832	CLA	O2D-CGD-CBD	2.09	114.98	111.27
14	a	812	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	A	802	CLA	C1-C2-C3	-2.09	122.43	126.04
17	L	1504	BCR	C4-C5-C6	-2.09	119.70	122.73
14	S	201	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
14	n	836	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
14	n	831	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	g	833	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
14	G	803	CLA	CHD-C1D-ND	-2.09	122.54	124.45
14	A	813	CLA	CHD-C1D-ND	-2.09	122.54	124.45
17	b	852	BCR	C20-C19-C18	-2.09	120.55	126.42
14	A	816	CLA	O2A-CGA-O1A	-2.09	118.33	123.59
17	n	846	BCR	C28-C27-C26	-2.09	110.35	114.08
14	G	802	CLA	O2A-CGA-O1A	-2.09	118.33	123.59
14	b	825	CLA	O2A-CGA-O1A	-2.09	118.33	123.59
14	G	828	CLA	C1-C2-C3	-2.08	122.44	126.04
14	N	825	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	B	839	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	G	805	CLA	C1-C2-C3	-2.08	122.44	126.04
17	b	848	BCR	C21-C20-C19	-2.08	116.72	123.22
17	a	843	BCR	C8-C7-C6	-2.08	121.36	127.20
14	g	808	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	B	806	CLA	CHD-C1D-ND	-2.08	122.54	124.45
17	n	851	BCR	C4-C5-C6	-2.08	119.71	122.73
17	g	844	BCR	C20-C19-C18	-2.08	120.57	126.42
17	u	103	BCR	C20-C19-C18	-2.08	120.57	126.42
14	B	808	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
17	G	848	BCR	C36-C18-C17	-2.08	120.01	122.92
17	i	101	BCR	C34-C9-C10	-2.08	120.01	122.92
17	A	849	BCR	C32-C1-C6	-2.08	106.92	110.30
14	G	803	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
14	n	839	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
14	A	853	CLA	O1D-CGD-CBD	2.08	128.74	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	834	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	G	804	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
14	g	832	CLA	O2D-CGD-CBD	2.08	114.96	111.27
17	s	203	BCR	C8-C7-C6	-2.08	121.36	127.20
14	a	805	CLA	O2A-CGA-O1A	-2.08	118.35	123.59
14	n	805	CLA	CHD-C1D-ND	-2.08	122.55	124.45
17	B	844	BCR	C8-C7-C6	-2.08	121.37	127.20
14	G	829	CLA	O2D-CGD-CBD	2.08	114.96	111.27
14	A	810	CLA	O2A-CGA-O1A	-2.08	118.35	123.59
17	V	101	BCR	C35-C13-C14	-2.08	120.02	122.92
14	b	831	CLA	O2A-CGA-O1A	-2.08	118.36	123.59
14	A	854	CLA	C1-C2-C3	-2.07	122.45	126.04
14	g	819	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	A	805	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
14	B	835	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	a	819	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	a	824	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	g	817	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
14	A	807	CLA	CHD-C1D-ND	-2.07	122.55	124.45
17	A	846	BCR	C2-C1-C6	2.07	113.67	110.48
14	b	841	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
17	g	845	BCR	C15-C16-C17	-2.07	119.23	123.47
14	n	807	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
14	n	840	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
14	b	807	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
17	A	847	BCR	C37-C22-C21	-2.07	120.02	122.92
14	B	814	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	a	818	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	a	833	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
14	a	839	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
17	N	849	BCR	C16-C15-C14	-2.07	119.24	123.47
17	A	844	BCR	C34-C9-C10	-2.07	120.03	122.92
14	N	816	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
14	G	825	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
14	n	815	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
17	N	844	BCR	C37-C22-C21	-2.07	120.03	122.92
17	L	1504	BCR	C11-C10-C9	-2.07	124.36	127.31
17	T	104	BCR	C38-C26-C27	2.07	117.59	113.62
14	a	853	CLA	C1-C2-C3	-2.07	122.47	126.04
14	G	832	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
14	n	806	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
14	n	831	CLA	O2A-CGA-O1A	-2.07	118.37	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	815	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	N	831	CLA	O2A-CGA-O1A	-2.07	118.38	123.59
17	W	206	BCR	C37-C22-C21	-2.07	120.03	122.92
17	j	103	BCR	C8-C7-C6	-2.07	121.40	127.20
17	A	846	BCR	C11-C12-C13	-2.07	120.61	126.42
14	N	827	CLA	C1-C2-C3	-2.07	122.47	126.04
14	g	823	CLA	C1-C2-C3	-2.07	122.47	126.04
17	G	848	BCR	C23-C24-C25	-2.07	121.40	127.20
14	N	812	CLA	O2A-CGA-O1A	-2.07	118.38	123.59
14	N	814	CLA	C1-C2-C3	-2.07	122.47	126.04
19	g	851	CL0	CHD-C1D-C2D	2.06	129.81	125.48
14	n	819	CLA	O2A-CGA-O1A	-2.06	118.38	123.59
17	B	843	BCR	C16-C15-C14	-2.06	119.25	123.47
14	g	832	CLA	O2A-CGA-O1A	-2.06	118.38	123.59
17	B	852	BCR	C33-C5-C4	2.06	117.58	113.62
14	A	802	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
17	I	103	BCR	C21-C20-C19	-2.06	116.78	123.22
17	Y	101	BCR	C33-C5-C4	2.06	117.58	113.62
14	A	838	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
14	a	853	CLA	CHD-C1D-ND	-2.06	122.56	124.45
17	n	849	BCR	C15-C16-C17	-2.06	119.25	123.47
17	N	845	BCR	C4-C5-C6	-2.06	119.74	122.73
14	b	809	CLA	C1-C2-C3	-2.06	122.48	126.04
14	a	831	CLA	CHD-C1D-ND	-2.06	122.56	124.45
17	n	849	BCR	C38-C26-C25	-2.06	122.21	124.53
14	g	817	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	n	816	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	A	818	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	A	828	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
17	b	850	BCR	C38-C26-C27	2.06	117.57	113.62
14	g	839	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
14	g	852	CLA	CAA-CBA-CGA	-2.06	107.24	113.25
17	B	843	BCR	C38-C26-C27	2.06	117.57	113.62
17	i	102	BCR	C8-C7-C6	-2.06	121.42	127.20
14	N	839	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	B	830	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
17	G	843	BCR	C21-C20-C19	-2.06	116.80	123.22
14	A	857	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	n	830	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	b	839	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	A	813	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	A	811	CLA	C1-C2-C3	-2.06	122.49	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	g	821	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	N	842	CLA	O2A-CGA-O1A	-2.06	118.41	123.59
17	A	845	BCR	C15-C16-C17	-2.05	119.27	123.47
14	B	841	CLA	C1-C2-C3	-2.05	122.49	126.04
14	b	802	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
14	g	815	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	g	853	CLA	C2D-C1D-ND	-2.05	108.59	110.10
14	n	803	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
14	n	819	CLA	C1-C2-C3	-2.05	122.49	126.04
14	a	810	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
14	A	821	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	B	819	CLA	CHD-C1D-ND	-2.05	122.57	124.45
17	i	102	BCR	C3-C4-C5	-2.05	110.41	114.08
15	n	841	PQN	C2M-C2-C1	2.05	119.67	116.27
14	B	834	CLA	O2D-CGD-CBD	2.05	114.91	111.27
14	A	823	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	B	840	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	u	102	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	a	853	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	b	837	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
17	N	852	BCR	C38-C26-C27	2.05	117.56	113.62
14	N	840	CLA	CHD-C1D-ND	-2.05	122.57	124.45
19	A	852	CL0	O2A-CGA-O1A	-2.05	118.19	123.30
14	b	813	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	b	832	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	B	834	CLA	C1-C2-C3	-2.05	122.50	126.04
17	G	843	BCR	C8-C7-C6	-2.05	121.45	127.20
14	A	839	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
15	A	842	PQN	C2M-C2-C1	2.05	119.67	116.27
17	n	842	BCR	C37-C22-C21	-2.05	120.05	122.92
14	A	806	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	a	801	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	b	815	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	A	839	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	a	815	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	g	815	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
17	n	846	BCR	C8-C7-C6	-2.05	121.45	127.20
14	A	801	CLA	C2D-C1D-ND	-2.05	108.59	110.10
14	b	803	CLA	O2D-CGD-CBD	2.05	114.91	111.27
17	G	844	BCR	C27-C26-C25	-2.05	119.76	122.73
14	N	830	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
17	n	843	BCR	C15-C16-C17	-2.05	119.28	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	b	802	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	g	814	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	a	828	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	a	840	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	a	828	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
14	b	804	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
17	S	204	BCR	C21-C20-C19	-2.05	116.83	123.22
14	B	827	CLA	C1-C2-C3	-2.05	122.51	126.04
14	b	853	CLA	CHD-C1D-ND	-2.04	122.58	124.45
17	b	844	BCR	C21-C20-C19	-2.04	116.84	123.22
14	G	828	CLA	O2A-CGA-O1A	-2.04	118.43	123.59
14	g	812	CLA	O2A-CGA-O1A	-2.04	118.43	123.59
14	g	840	CLA	O2A-CGA-O1A	-2.04	118.43	123.59
14	N	841	CLA	C1-C2-C3	-2.04	122.51	126.04
17	I	102	BCR	C15-C16-C17	2.04	127.66	123.47
14	n	819	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	a	823	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
17	v	101	BCR	C36-C18-C17	-2.04	120.06	122.92
14	G	822	CLA	C1-C2-C3	-2.04	122.51	126.04
14	A	832	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	n	817	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
14	g	809	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
14	g	819	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
14	u	102	CLA	O2D-CGD-CBD	2.04	114.89	111.27
14	G	813	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	g	803	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	n	852	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	b	835	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	j	102	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	B	816	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
14	g	810	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
17	K	102	BCR	C10-C11-C12	-2.04	116.85	123.22
17	v	101	BCR	C8-C7-C6	-2.04	121.47	127.20
17	K	102	BCR	C15-C16-C17	-2.04	119.30	123.47
14	B	837	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
17	w	207	BCR	C20-C19-C18	-2.04	120.69	126.42
14	g	823	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
14	n	812	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
14	n	822	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	n	829	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
14	B	823	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
17	B	848	BCR	C39-C30-C25	-2.04	106.99	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	G	846	BCR	C21-C20-C19	-2.04	116.86	123.22
14	B	837	CLA	CHD-C1D-ND	-2.04	122.58	124.45
17	t	104	BCR	C10-C11-C12	-2.04	116.86	123.22
14	b	805	CLA	C3C-C4C-NC	-2.04	108.29	110.57
17	W	206	BCR	C15-C16-C17	-2.04	119.30	123.47
14	N	809	CLA	O2D-CGD-CBD	2.04	114.89	111.27
14	g	822	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	F	201	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	B	825	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
14	a	819	CLA	O2A-CGA-O1A	-2.04	118.46	123.59
14	b	811	CLA	O2A-CGA-O1A	-2.04	118.46	123.59
14	B	823	CLA	CHD-C1D-ND	-2.03	122.58	124.45
17	W	205	BCR	C35-C13-C12	2.03	121.28	118.08
14	n	822	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
17	b	843	BCR	C16-C15-C14	-2.03	119.31	123.47
14	G	812	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
14	G	820	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
14	g	811	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
14	A	812	CLA	C1-C2-C3	-2.03	122.53	126.04
14	G	829	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
14	G	822	CLA	O2A-CGA-O1A	-2.03	118.46	123.59
17	B	845	BCR	C38-C26-C27	2.03	117.52	113.62
14	G	831	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	N	806	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	g	835	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	n	823	CLA	CHD-C1D-ND	-2.03	122.59	124.45
15	G	841	PQN	C2M-C2-C1	2.03	119.64	116.27
17	w	207	BCR	C15-C16-C17	-2.03	119.31	123.47
14	b	805	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
14	b	815	CLA	CHD-C1D-ND	-2.03	122.59	124.45
17	W	206	BCR	C4-C5-C6	-2.03	119.78	122.73
17	N	845	BCR	C1-C6-C5	-2.03	119.75	122.61
14	g	831	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
14	n	838	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
14	a	815	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
14	n	818	CLA	CHD-C1D-ND	-2.03	122.59	124.45
17	s	203	BCR	C15-C16-C17	-2.03	119.32	123.47
17	A	845	BCR	C20-C19-C18	-2.03	120.72	126.42
14	A	822	CLA	C1-C2-C3	-2.03	122.53	126.04
17	G	843	BCR	C34-C9-C10	-2.03	120.08	122.92
14	A	839	CLA	C1-C2-C3	-2.03	122.54	126.04
14	N	811	CLA	O2A-CGA-O1A	-2.03	118.47	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	a	844	BCR	C37-C22-C21	-2.03	120.08	122.92
17	m	102	BCR	C37-C22-C21	-2.03	120.08	122.92
14	g	820	CLA	O2A-CGA-O1A	-2.03	118.25	123.30
14	B	805	CLA	CHD-C1D-ND	-2.03	122.59	124.45
17	N	852	BCR	C34-C9-C8	2.03	121.27	118.08
14	n	823	CLA	O2D-CGD-CBD	2.03	114.87	111.27
17	n	851	BCR	C27-C26-C25	-2.03	119.79	122.73
14	A	819	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
17	a	847	BCR	C21-C20-C19	-2.03	116.89	123.22
17	j	104	BCR	C4-C5-C6	-2.03	119.79	122.73
17	b	852	BCR	C23-C24-C25	-2.03	121.51	127.20
14	N	826	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
14	n	835	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	A	825	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	B	838	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	a	814	CLA	CHD-C1D-ND	-2.03	122.59	124.45
17	B	852	BCR	C32-C1-C6	-2.03	107.01	110.30
14	A	812	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
14	f	201	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
14	G	807	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	b	810	CLA	CHD-C1D-ND	-2.03	122.59	124.45
17	g	843	BCR	C38-C26-C25	-2.03	122.25	124.53
17	I	103	BCR	C38-C26-C27	2.02	117.51	113.62
14	a	802	CLA	O2A-CGA-O1A	-2.02	118.48	123.59
14	S	201	CLA	CHD-C1D-ND	-2.02	122.59	124.45
14	g	804	CLA	CHD-C1D-ND	-2.02	122.59	124.45
14	a	817	CLA	CHD-C1D-ND	-2.02	122.59	124.45
14	f	201	CLA	CHD-C1D-ND	-2.02	122.59	124.45
14	g	802	CLA	O2A-CGA-O1A	-2.02	118.48	123.59
14	g	805	CLA	O2A-CGA-O1A	-2.02	118.48	123.59
17	g	848	BCR	C23-C24-C25	-2.02	121.52	127.20
17	A	849	BCR	C37-C22-C21	-2.02	120.09	122.92
14	A	801	CLA	C1-C2-C3	-2.02	122.54	126.04
17	G	844	BCR	C20-C19-C18	-2.02	120.73	126.42
14	N	839	CLA	CHD-C1D-ND	-2.02	122.59	124.45
14	A	827	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
14	A	821	CLA	O2D-CGD-CBD	2.02	114.86	111.27
14	g	835	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
14	a	809	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
14	b	824	CLA	O2D-CGD-CBD	2.02	114.86	111.27
14	g	853	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
14	s	202	CLA	CHD-C1D-ND	-2.02	122.60	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	828	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	J	102	CLA	CHD-C1D-ND	-2.02	122.60	124.45
17	a	846	BCR	C37-C22-C23	2.02	121.26	118.08
14	b	838	CLA	O2D-CGD-CBD	2.02	114.86	111.27
14	A	829	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
17	w	201	BCR	C10-C11-C12	-2.02	116.91	123.22
17	s	203	BCR	C11-C12-C13	-2.02	120.74	126.42
17	N	849	BCR	C35-C13-C12	2.02	121.26	118.08
14	n	828	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	A	804	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	a	833	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	N	840	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
14	k	101	CLA	O2A-CGA-O1A	-2.02	118.26	123.30
14	n	826	CLA	C1-C2-C3	-2.02	122.55	126.04
14	G	812	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	l	204	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	n	813	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
14	B	838	CLA	C1-C2-C3	-2.02	122.55	126.04
14	N	816	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	g	837	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	a	831	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
14	b	829	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
14	N	813	CLA	C1-C2-C3	-2.02	122.55	126.04
14	B	812	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	a	836	CLA	CHD-C1D-ND	-2.02	122.60	124.45
17	B	844	BCR	C23-C24-C25	-2.02	121.54	127.20
17	J	103	BCR	C11-C12-C13	-2.02	120.75	126.42
17	A	856	BCR	C21-C20-C19	-2.02	116.92	123.22
14	N	806	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
14	A	831	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	b	827	CLA	C1-C2-C3	-2.02	122.56	126.04
14	b	840	CLA	C1-C2-C3	-2.02	122.56	126.04
17	W	206	BCR	C16-C15-C14	-2.02	119.34	123.47
14	g	838	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
17	a	845	BCR	C21-C20-C19	-2.02	116.93	123.22
14	N	809	CLA	CHD-C1D-ND	-2.02	122.60	124.45
17	n	849	BCR	C3-C4-C5	-2.02	110.48	114.08
14	n	828	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	A	820	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
17	B	843	BCR	C15-C16-C17	-2.01	119.35	123.47
17	T	103	BCR	C21-C20-C19	-2.01	116.93	123.22
19	A	852	CL0	C3C-C4C-NC	2.01	112.83	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	a	818	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	G	839	CLA	CHD-C1D-ND	-2.01	122.60	124.45
14	A	833	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
17	L	1504	BCR	C1-C6-C5	-2.01	119.78	122.61
14	N	820	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	n	839	CLA	C1-C2-C3	-2.01	122.56	126.04
17	N	852	BCR	C10-C11-C12	-2.01	116.94	123.22
14	a	834	CLA	CHD-C1D-ND	-2.01	122.61	124.45
17	j	103	BCR	C15-C16-C17	-2.01	119.35	123.47
14	b	823	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
14	L	1501	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	b	824	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	b	828	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	B	811	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
17	n	844	BCR	C15-C16-C17	-2.01	119.36	123.47
17	n	851	BCR	C34-C9-C10	-2.01	120.11	122.92
14	b	806	CLA	CHD-C1D-ND	-2.01	122.61	124.45
17	K	102	BCR	C2-C1-C6	2.01	113.58	110.48
14	g	829	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
14	b	824	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
17	a	845	BCR	C8-C7-C6	-2.01	121.56	127.20
14	b	806	CLA	O2A-CGA-O1A	-2.01	118.52	123.59
14	u	101	CLA	O2A-CGA-O1A	-2.01	118.29	123.30
19	g	851	CL0	C1D-CHD-C4C	-2.01	121.72	126.06
14	n	803	CLA	CED-O2D-CGD	2.01	120.48	115.94
14	b	816	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
14	n	825	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	L	1502	CLA	O2D-CGD-CBD	2.01	114.83	111.27
14	N	838	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
14	b	833	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
14	N	830	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	J	101	CLA	CHD-C1D-ND	-2.01	122.61	124.45
14	a	816	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
14	F	202	CLA	O2A-CGA-O1A	-2.01	118.30	123.30
17	T	103	BCR	C11-C12-C13	-2.01	120.78	126.42
17	L	1504	BCR	C10-C11-C12	-2.01	116.96	123.22
14	b	808	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
14	N	801	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
14	A	811	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
17	W	206	BCR	C23-C24-C25	-2.00	121.57	127.20
14	B	829	CLA	CHD-C1D-ND	-2.00	122.61	124.45
14	g	827	CLA	O2A-CGA-O1A	-2.00	118.53	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	h	1701	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
17	j	103	BCR	C16-C15-C14	-2.00	119.37	123.47
14	x	1701	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
14	G	834	CLA	CHD-C1D-ND	-2.00	122.61	124.45
17	N	846	BCR	C15-C16-C17	-2.00	119.37	123.47
14	G	805	CLA	CHD-C1D-ND	-2.00	122.61	124.45
17	f	203	BCR	C34-C9-C10	-2.00	120.12	122.92
14	g	811	CLA	C1-C2-C3	-2.00	122.58	126.04
14	b	836	CLA	CHD-C1D-ND	-2.00	122.61	124.45
17	j	104	BCR	C35-C13-C14	-2.00	120.12	122.92
14	w	203	CLA	O2A-CGA-O1A	-2.00	118.31	123.30
14	a	822	CLA	O2A-CGA-O1A	-2.00	118.31	123.30
14	B	815	CLA	CHD-C1D-ND	-2.00	122.62	124.45
14	B	817	CLA	CHD-C1D-ND	-2.00	122.62	124.45

All (388) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
14	G	801	CLA	ND
14	G	802	CLA	ND
14	G	803	CLA	ND
14	G	804	CLA	ND
14	G	805	CLA	ND
14	G	806	CLA	ND
14	G	807	CLA	ND
14	G	808	CLA	ND
14	G	809	CLA	ND
14	G	810	CLA	ND
14	G	811	CLA	ND
14	G	812	CLA	ND
14	G	813	CLA	ND
14	G	814	CLA	ND
14	G	815	CLA	ND
14	G	816	CLA	ND
14	G	817	CLA	ND
14	G	818	CLA	ND
14	G	819	CLA	ND
14	G	820	CLA	ND
14	G	821	CLA	ND
14	G	822	CLA	ND
14	G	823	CLA	ND
14	G	824	CLA	ND

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Mol	Chain	Res	Type	Atom
14	G	825	CLA	ND
14	G	826	CLA	ND
14	G	827	CLA	ND
14	G	828	CLA	ND
14	G	829	CLA	ND
14	G	830	CLA	ND
14	G	831	CLA	ND
14	G	832	CLA	ND
14	G	833	CLA	ND
14	G	834	CLA	ND
14	G	835	CLA	ND
14	G	836	CLA	ND
14	G	837	CLA	ND
14	G	838	CLA	ND
14	G	839	CLA	ND
14	G	840	CLA	ND
14	G	852	CLA	ND
14	G	853	CLA	ND
14	H	1701	CLA	ND
14	N	801	CLA	ND
14	N	803	CLA	ND
14	N	804	CLA	ND
14	N	805	CLA	ND
14	N	806	CLA	ND
14	N	807	CLA	ND
14	N	808	CLA	ND
14	N	809	CLA	ND
14	N	810	CLA	ND
14	N	811	CLA	ND
14	N	812	CLA	ND
14	N	813	CLA	ND
14	N	814	CLA	ND
14	N	815	CLA	ND
14	N	816	CLA	ND
14	N	817	CLA	ND
14	N	818	CLA	ND
14	N	819	CLA	ND
14	N	820	CLA	ND
14	N	821	CLA	ND
14	N	822	CLA	ND
14	N	823	CLA	ND
14	N	824	CLA	ND

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Mol	Chain	Res	Type	Atom
14	N	825	CLA	ND
14	N	826	CLA	ND
14	N	827	CLA	ND
14	N	828	CLA	ND
14	N	829	CLA	ND
14	N	830	CLA	ND
14	N	831	CLA	ND
14	N	832	CLA	ND
14	N	833	CLA	ND
14	N	834	CLA	ND
14	N	835	CLA	ND
14	N	836	CLA	ND
14	N	837	CLA	ND
14	N	838	CLA	ND
14	N	839	CLA	ND
14	N	840	CLA	ND
14	N	841	CLA	ND
14	N	842	CLA	ND
14	N	851	CLA	ND
14	S	201	CLA	ND
14	S	203	CLA	ND
14	T	101	CLA	ND
14	T	102	CLA	ND
14	U	101	CLA	ND
14	U	102	CLA	ND
14	W	202	CLA	ND
14	W	203	CLA	ND
14	W	204	CLA	ND
14	g	801	CLA	ND
14	g	802	CLA	ND
14	g	803	CLA	ND
14	g	804	CLA	ND
14	g	805	CLA	ND
14	g	806	CLA	ND
14	g	807	CLA	ND
14	g	808	CLA	ND
14	g	809	CLA	ND
14	g	810	CLA	ND
14	g	811	CLA	ND
14	g	812	CLA	ND
14	g	813	CLA	ND
14	g	814	CLA	ND

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Mol	Chain	Res	Type	Atom
14	g	815	CLA	ND
14	g	816	CLA	ND
14	g	817	CLA	ND
14	g	818	CLA	ND
14	g	819	CLA	ND
14	g	820	CLA	ND
14	g	821	CLA	ND
14	g	822	CLA	ND
14	g	823	CLA	ND
14	g	824	CLA	ND
14	g	825	CLA	ND
14	g	826	CLA	ND
14	g	827	CLA	ND
14	g	828	CLA	ND
14	g	829	CLA	ND
14	g	830	CLA	ND
14	g	831	CLA	ND
14	g	832	CLA	ND
14	g	833	CLA	ND
14	g	834	CLA	ND
14	g	835	CLA	ND
14	g	836	CLA	ND
14	g	837	CLA	ND
14	g	838	CLA	ND
14	g	839	CLA	ND
14	g	840	CLA	ND
14	g	852	CLA	ND
14	g	853	CLA	ND
14	g	854	CLA	ND
14	h	1701	CLA	ND
14	n	802	CLA	ND
14	n	803	CLA	ND
14	n	804	CLA	ND
14	n	805	CLA	ND
14	n	806	CLA	ND
14	n	807	CLA	ND
14	n	808	CLA	ND
14	n	809	CLA	ND
14	n	810	CLA	ND
14	n	811	CLA	ND
14	n	812	CLA	ND
14	n	813	CLA	ND

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Mol	Chain	Res	Type	Atom
14	n	814	CLA	ND
14	n	815	CLA	ND
14	n	816	CLA	ND
14	n	817	CLA	ND
14	n	818	CLA	ND
14	n	819	CLA	ND
14	n	820	CLA	ND
14	n	821	CLA	ND
14	n	822	CLA	ND
14	n	823	CLA	ND
14	n	824	CLA	ND
14	n	825	CLA	ND
14	n	826	CLA	ND
14	n	827	CLA	ND
14	n	828	CLA	ND
14	n	829	CLA	ND
14	n	830	CLA	ND
14	n	831	CLA	ND
14	n	832	CLA	ND
14	n	833	CLA	ND
14	n	834	CLA	ND
14	n	835	CLA	ND
14	n	836	CLA	ND
14	n	837	CLA	ND
14	n	838	CLA	ND
14	n	839	CLA	ND
14	n	840	CLA	ND
14	n	850	CLA	ND
14	n	852	CLA	ND
14	s	201	CLA	ND
14	s	202	CLA	ND
14	t	101	CLA	ND
14	t	102	CLA	ND
14	u	101	CLA	ND
14	u	102	CLA	ND
14	w	203	CLA	ND
14	w	204	CLA	ND
14	w	205	CLA	ND
14	A	801	CLA	ND
14	A	802	CLA	ND
14	A	803	CLA	ND
14	A	804	CLA	ND

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Mol	Chain	Res	Type	Atom
14	A	805	CLA	ND
14	A	806	CLA	ND
14	A	807	CLA	ND
14	A	808	CLA	ND
14	A	809	CLA	ND
14	A	810	CLA	ND
14	A	811	CLA	ND
14	A	812	CLA	ND
14	A	813	CLA	ND
14	A	814	CLA	ND
14	A	815	CLA	ND
14	A	816	CLA	ND
14	A	817	CLA	ND
14	A	818	CLA	ND
14	A	819	CLA	ND
14	A	820	CLA	ND
14	A	821	CLA	ND
14	A	822	CLA	ND
14	A	823	CLA	ND
14	A	824	CLA	ND
14	A	825	CLA	ND
14	A	826	CLA	ND
14	A	827	CLA	ND
14	A	828	CLA	ND
14	A	829	CLA	ND
14	A	830	CLA	ND
14	A	831	CLA	ND
14	A	832	CLA	ND
14	A	833	CLA	ND
14	A	834	CLA	ND
14	A	835	CLA	ND
14	A	836	CLA	ND
14	A	837	CLA	ND
14	A	838	CLA	ND
14	A	839	CLA	ND
14	A	840	CLA	ND
14	A	841	CLA	ND
14	A	853	CLA	ND
14	A	854	CLA	ND
14	A	855	CLA	ND
14	A	857	CLA	ND
14	X	1701	CLA	ND

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Mol	Chain	Res	Type	Atom
14	B	803	CLA	ND
14	B	804	CLA	ND
14	B	805	CLA	ND
14	B	806	CLA	ND
14	B	807	CLA	ND
14	B	808	CLA	ND
14	B	809	CLA	ND
14	B	810	CLA	ND
14	B	811	CLA	ND
14	B	812	CLA	ND
14	B	813	CLA	ND
14	B	814	CLA	ND
14	B	815	CLA	ND
14	B	816	CLA	ND
14	B	817	CLA	ND
14	B	818	CLA	ND
14	B	819	CLA	ND
14	B	820	CLA	ND
14	B	821	CLA	ND
14	B	822	CLA	ND
14	B	823	CLA	ND
14	B	824	CLA	ND
14	B	825	CLA	ND
14	B	826	CLA	ND
14	B	827	CLA	ND
14	B	828	CLA	ND
14	B	829	CLA	ND
14	B	830	CLA	ND
14	B	831	CLA	ND
14	B	832	CLA	ND
14	B	833	CLA	ND
14	B	834	CLA	ND
14	B	835	CLA	ND
14	B	836	CLA	ND
14	B	837	CLA	ND
14	B	838	CLA	ND
14	B	839	CLA	ND
14	B	840	CLA	ND
14	B	841	CLA	ND
14	B	850	CLA	ND
14	F	201	CLA	ND
14	F	202	CLA	ND

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Mol	Chain	Res	Type	Atom
14	J	101	CLA	ND
14	J	102	CLA	ND
14	K	101	CLA	ND
14	L	1501	CLA	ND
14	L	1502	CLA	ND
14	L	1503	CLA	ND
14	a	801	CLA	ND
14	a	802	CLA	ND
14	a	803	CLA	ND
14	a	804	CLA	ND
14	a	805	CLA	ND
14	a	806	CLA	ND
14	a	807	CLA	ND
14	a	808	CLA	ND
14	a	809	CLA	ND
14	a	810	CLA	ND
14	a	811	CLA	ND
14	a	812	CLA	ND
14	a	813	CLA	ND
14	a	814	CLA	ND
14	a	815	CLA	ND
14	a	816	CLA	ND
14	a	817	CLA	ND
14	a	818	CLA	ND
14	a	819	CLA	ND
14	a	820	CLA	ND
14	a	821	CLA	ND
14	a	822	CLA	ND
14	a	823	CLA	ND
14	a	824	CLA	ND
14	a	825	CLA	ND
14	a	826	CLA	ND
14	a	827	CLA	ND
14	a	828	CLA	ND
14	a	829	CLA	ND
14	a	830	CLA	ND
14	a	831	CLA	ND
14	a	832	CLA	ND
14	a	833	CLA	ND
14	a	834	CLA	ND
14	a	835	CLA	ND
14	a	836	CLA	ND

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Mol	Chain	Res	Type	Atom
14	a	837	CLA	ND
14	a	838	CLA	ND
14	a	839	CLA	ND
14	a	840	CLA	ND
14	a	852	CLA	ND
14	a	853	CLA	ND
14	a	854	CLA	ND
14	x	1701	CLA	ND
14	b	802	CLA	ND
14	b	803	CLA	ND
14	b	804	CLA	ND
14	b	805	CLA	ND
14	b	806	CLA	ND
14	b	807	CLA	ND
14	b	808	CLA	ND
14	b	809	CLA	ND
14	b	810	CLA	ND
14	b	811	CLA	ND
14	b	812	CLA	ND
14	b	813	CLA	ND
14	b	814	CLA	ND
14	b	815	CLA	ND
14	b	816	CLA	ND
14	b	817	CLA	ND
14	b	818	CLA	ND
14	b	819	CLA	ND
14	b	820	CLA	ND
14	b	821	CLA	ND
14	b	822	CLA	ND
14	b	823	CLA	ND
14	b	824	CLA	ND
14	b	825	CLA	ND
14	b	826	CLA	ND
14	b	827	CLA	ND
14	b	828	CLA	ND
14	b	829	CLA	ND
14	b	830	CLA	ND
14	b	831	CLA	ND
14	b	832	CLA	ND
14	b	833	CLA	ND
14	b	834	CLA	ND
14	b	835	CLA	ND

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Mol	Chain	Res	Type	Atom
14	b	836	CLA	ND
14	b	837	CLA	ND
14	b	838	CLA	ND
14	b	839	CLA	ND
14	b	840	CLA	ND
14	b	841	CLA	ND
14	b	851	CLA	ND
14	b	853	CLA	ND
14	f	201	CLA	ND
14	f	202	CLA	ND
14	j	101	CLA	ND
14	j	102	CLA	ND
14	k	101	CLA	ND
14	l	202	CLA	ND
14	l	203	CLA	ND
14	l	204	CLA	ND
19	G	851	CL0	NC
19	G	851	CL0	NA
19	G	851	CL0	ND
19	g	851	CL0	NC
19	g	851	CL0	NA
19	g	851	CL0	ND
19	A	852	CL0	NC
19	A	852	CL0	NA
19	A	852	CL0	ND
19	a	851	CL0	NC
19	a	851	CL0	NA
19	a	851	CL0	ND

All (4619) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	G	803	CLA	C1A-C2A-CAA-CBA
14	G	803	CLA	C3A-C2A-CAA-CBA
14	G	803	CLA	O1A-CGA-O2A-C1
14	G	804	CLA	C1A-C2A-CAA-CBA
14	G	805	CLA	C1A-C2A-CAA-CBA
14	G	805	CLA	CBD-CGD-O2D-CED
14	G	805	CLA	C11-C10-C8-C9
14	G	806	CLA	C2-C3-C5-C6
14	G	806	CLA	C4-C3-C5-C6
14	G	807	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	G	810	CLA	CBD-CGD-O2D-CED
14	G	814	CLA	CHA-CBD-CGD-O1D
14	G	814	CLA	CHA-CBD-CGD-O2D
14	G	814	CLA	CAD-CBD-CGD-O1D
14	G	818	CLA	C1A-C2A-CAA-CBA
14	G	818	CLA	C3A-C2A-CAA-CBA
14	G	819	CLA	C1A-C2A-CAA-CBA
14	G	819	CLA	C3A-C2A-CAA-CBA
14	G	821	CLA	C1A-C2A-CAA-CBA
14	G	821	CLA	C3A-C2A-CAA-CBA
14	G	821	CLA	CHA-CBD-CGD-O1D
14	G	821	CLA	CHA-CBD-CGD-O2D
14	G	822	CLA	C1A-C2A-CAA-CBA
14	G	822	CLA	CBD-CGD-O2D-CED
14	G	823	CLA	C1A-C2A-CAA-CBA
14	G	823	CLA	C3A-C2A-CAA-CBA
14	G	823	CLA	CHA-CBD-CGD-O1D
14	G	823	CLA	CHA-CBD-CGD-O2D
14	G	826	CLA	CHA-CBD-CGD-O1D
14	G	826	CLA	CHA-CBD-CGD-O2D
14	G	827	CLA	C1A-C2A-CAA-CBA
14	G	831	CLA	C2-C3-C5-C6
14	G	831	CLA	C4-C3-C5-C6
14	G	832	CLA	CBD-CGD-O2D-CED
14	G	835	CLA	CHA-CBD-CGD-O1D
14	G	835	CLA	CHA-CBD-CGD-O2D
14	G	837	CLA	CHA-CBD-CGD-O1D
14	G	837	CLA	CHA-CBD-CGD-O2D
14	G	837	CLA	CAD-CBD-CGD-O1D
14	G	838	CLA	CHA-CBD-CGD-O1D
14	G	838	CLA	CHA-CBD-CGD-O2D
14	G	839	CLA	C2-C3-C5-C6
14	G	839	CLA	C4-C3-C5-C6
14	G	840	CLA	C1A-C2A-CAA-CBA
14	G	840	CLA	CHA-CBD-CGD-O1D
14	G	840	CLA	CHA-CBD-CGD-O2D
14	G	840	CLA	CAD-CBD-CGD-O1D
14	H	1701	CLA	C1A-C2A-CAA-CBA
14	H	1701	CLA	C3A-C2A-CAA-CBA
14	N	801	CLA	CHA-CBD-CGD-O1D
14	N	801	CLA	CHA-CBD-CGD-O2D
14	N	803	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	N	803	CLA	CHA-CBD-CGD-O2D
14	N	803	CLA	CAD-CBD-CGD-O1D
14	N	804	CLA	CHA-CBD-CGD-O2D
14	N	804	CLA	CBD-CGD-O2D-CED
14	N	804	CLA	C4-C3-C5-C6
14	N	805	CLA	CBD-CGD-O2D-CED
14	N	806	CLA	C1A-C2A-CAA-CBA
14	N	806	CLA	CBD-CGD-O2D-CED
14	N	807	CLA	C3A-C2A-CAA-CBA
14	N	810	CLA	CHA-CBD-CGD-O1D
14	N	810	CLA	CHA-CBD-CGD-O2D
14	N	811	CLA	C1A-C2A-CAA-CBA
14	N	811	CLA	C3A-C2A-CAA-CBA
14	N	812	CLA	C1A-C2A-CAA-CBA
14	N	812	CLA	C3A-C2A-CAA-CBA
14	N	813	CLA	CHA-CBD-CGD-O1D
14	N	813	CLA	CHA-CBD-CGD-O2D
14	N	814	CLA	C1A-C2A-CAA-CBA
14	N	814	CLA	C3A-C2A-CAA-CBA
14	N	819	CLA	C1A-C2A-CAA-CBA
14	N	819	CLA	C3A-C2A-CAA-CBA
14	N	820	CLA	C3A-C2A-CAA-CBA
14	N	822	CLA	C1A-C2A-CAA-CBA
14	N	822	CLA	C3A-C2A-CAA-CBA
14	N	824	CLA	CBD-CGD-O2D-CED
14	N	827	CLA	C3A-C2A-CAA-CBA
14	N	827	CLA	CHA-CBD-CGD-O1D
14	N	827	CLA	CHA-CBD-CGD-O2D
14	N	828	CLA	C1A-C2A-CAA-CBA
14	N	829	CLA	C3A-C2A-CAA-CBA
14	N	829	CLA	CHA-CBD-CGD-O1D
14	N	829	CLA	CHA-CBD-CGD-O2D
14	N	830	CLA	C1A-C2A-CAA-CBA
14	N	830	CLA	C3A-C2A-CAA-CBA
14	N	831	CLA	CAD-CBD-CGD-O1D
14	N	831	CLA	CBD-CGD-O2D-CED
14	N	833	CLA	C1A-C2A-CAA-CBA
14	N	834	CLA	C3A-C2A-CAA-CBA
14	N	835	CLA	CBD-CGD-O2D-CED
14	N	836	CLA	CBD-CGD-O2D-CED
14	N	837	CLA	CAD-CBD-CGD-O1D
14	N	837	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	N	838	CLA	C1A-C2A-CAA-CBA
14	N	839	CLA	CHA-CBD-CGD-O1D
14	N	839	CLA	CHA-CBD-CGD-O2D
14	N	842	CLA	C2A-CAA-CBA-CGA
14	T	101	CLA	CAD-CBD-CGD-O1D
14	T	101	CLA	CAD-CBD-CGD-O2D
14	U	102	CLA	CHA-CBD-CGD-O1D
14	U	102	CLA	CHA-CBD-CGD-O2D
14	W	202	CLA	C1A-C2A-CAA-CBA
14	W	202	CLA	CHA-CBD-CGD-O1D
14	W	202	CLA	CHA-CBD-CGD-O2D
14	W	202	CLA	CAD-CBD-CGD-O1D
14	g	803	CLA	C1A-C2A-CAA-CBA
14	g	806	CLA	C3A-C2A-CAA-CBA
14	g	807	CLA	C1A-C2A-CAA-CBA
14	g	807	CLA	CBD-CGD-O2D-CED
14	g	808	CLA	C1A-C2A-CAA-CBA
14	g	808	CLA	C3A-C2A-CAA-CBA
14	g	809	CLA	CBD-CGD-O2D-CED
14	g	817	CLA	C1A-C2A-CAA-CBA
14	g	817	CLA	C3A-C2A-CAA-CBA
14	g	818	CLA	C1A-C2A-CAA-CBA
14	g	818	CLA	C3A-C2A-CAA-CBA
14	g	820	CLA	C1A-C2A-CAA-CBA
14	g	820	CLA	C3A-C2A-CAA-CBA
14	g	821	CLA	C1A-C2A-CAA-CBA
14	g	822	CLA	CHA-CBD-CGD-O1D
14	g	822	CLA	CHA-CBD-CGD-O2D
14	g	825	CLA	CHA-CBD-CGD-O1D
14	g	825	CLA	CHA-CBD-CGD-O2D
14	g	825	CLA	C14-C13-C15-C16
14	g	826	CLA	C4-C3-C5-C6
14	g	830	CLA	C1A-C2A-CAA-CBA
14	g	835	CLA	CHA-CBD-CGD-O1D
14	g	835	CLA	CHA-CBD-CGD-O2D
14	g	836	CLA	CBD-CGD-O2D-CED
14	g	838	CLA	CHA-CBD-CGD-O1D
14	g	838	CLA	CHA-CBD-CGD-O2D
14	g	854	CLA	C2-C3-C5-C6
14	g	854	CLA	C4-C3-C5-C6
14	g	854	CLA	C11-C10-C8-C9
14	h	1701	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	n	802	CLA	C1A-C2A-CAA-CBA
14	n	802	CLA	C3A-C2A-CAA-CBA
14	n	802	CLA	C6-C7-C8-C9
14	n	804	CLA	CBD-CGD-O2D-CED
14	n	805	CLA	C1A-C2A-CAA-CBA
14	n	805	CLA	C3A-C2A-CAA-CBA
14	n	805	CLA	CHA-CBD-CGD-O1D
14	n	805	CLA	CHA-CBD-CGD-O2D
14	n	805	CLA	CAD-CBD-CGD-O1D
14	n	806	CLA	O1A-CGA-O2A-C1
14	n	809	CLA	C2A-CAA-CBA-CGA
14	n	810	CLA	C1A-C2A-CAA-CBA
14	n	810	CLA	CAD-CBD-CGD-O1D
14	n	810	CLA	CAD-CBD-CGD-O2D
14	n	810	CLA	CBD-CGD-O2D-CED
14	n	810	CLA	C11-C10-C8-C9
14	n	812	CLA	C1A-C2A-CAA-CBA
14	n	812	CLA	C3A-C2A-CAA-CBA
14	n	814	CLA	C1A-C2A-CAA-CBA
14	n	818	CLA	C3A-C2A-CAA-CBA
14	n	819	CLA	CHA-CBD-CGD-O1D
14	n	820	CLA	C1A-C2A-CAA-CBA
14	n	820	CLA	C3A-C2A-CAA-CBA
14	n	823	CLA	C6-C7-C8-C9
14	n	825	CLA	C1A-C2A-CAA-CBA
14	n	825	CLA	C3A-C2A-CAA-CBA
14	n	827	CLA	C3A-C2A-CAA-CBA
14	n	827	CLA	CHA-CBD-CGD-O1D
14	n	827	CLA	CHA-CBD-CGD-O2D
14	n	828	CLA	C1A-C2A-CAA-CBA
14	n	828	CLA	CHA-CBD-CGD-O1D
14	n	828	CLA	CHA-CBD-CGD-O2D
14	n	833	CLA	C3A-C2A-CAA-CBA
14	n	833	CLA	CHA-CBD-CGD-O1D
14	n	833	CLA	CHA-CBD-CGD-O2D
14	n	833	CLA	CBD-CGD-O2D-CED
14	n	834	CLA	C1A-C2A-CAA-CBA
14	n	835	CLA	CAD-CBD-CGD-O1D
14	n	835	CLA	CAD-CBD-CGD-O2D
14	n	840	CLA	C1A-C2A-CAA-CBA
14	n	840	CLA	CBD-CGD-O2D-CED
14	n	840	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	n	840	CLA	C4-C3-C5-C6
14	n	850	CLA	C3A-C2A-CAA-CBA
14	n	850	CLA	C2-C3-C5-C6
14	n	850	CLA	C4-C3-C5-C6
14	n	850	CLA	C6-C7-C8-C9
14	s	201	CLA	C3A-C2A-CAA-CBA
14	s	201	CLA	CBD-CGD-O2D-CED
14	u	101	CLA	C2A-CAA-CBA-CGA
14	w	203	CLA	C1A-C2A-CAA-CBA
14	w	203	CLA	C3A-C2A-CAA-CBA
14	w	203	CLA	CHA-CBD-CGD-O1D
14	w	203	CLA	CHA-CBD-CGD-O2D
14	w	204	CLA	CHA-CBD-CGD-O1D
14	w	204	CLA	CHA-CBD-CGD-O2D
14	w	205	CLA	C2A-CAA-CBA-CGA
14	w	205	CLA	CBD-CGD-O2D-CED
14	A	804	CLA	CBA-CGA-O2A-C1
14	A	804	CLA	O1A-CGA-O2A-C1
14	A	804	CLA	CHA-CBD-CGD-O1D
14	A	804	CLA	CHA-CBD-CGD-O2D
14	A	804	CLA	CAD-CBD-CGD-O1D
14	A	805	CLA	C3A-C2A-CAA-CBA
14	A	805	CLA	CHA-CBD-CGD-O1D
14	A	805	CLA	CBD-CGD-O2D-CED
14	A	805	CLA	C2-C3-C5-C6
14	A	805	CLA	C4-C3-C5-C6
14	A	806	CLA	C1A-C2A-CAA-CBA
14	A	806	CLA	CBD-CGD-O2D-CED
14	A	807	CLA	C1A-C2A-CAA-CBA
14	A	807	CLA	C3A-C2A-CAA-CBA
14	A	810	CLA	CBD-CGD-O2D-CED
14	A	810	CLA	O1D-CGD-O2D-CED
14	A	811	CLA	C1A-C2A-CAA-CBA
14	A	814	CLA	CBD-CGD-O2D-CED
14	A	818	CLA	C1A-C2A-CAA-CBA
14	A	818	CLA	C3A-C2A-CAA-CBA
14	A	819	CLA	C1A-C2A-CAA-CBA
14	A	819	CLA	C3A-C2A-CAA-CBA
14	A	821	CLA	C1A-C2A-CAA-CBA
14	A	821	CLA	C3A-C2A-CAA-CBA
14	A	821	CLA	CHA-CBD-CGD-O2D
14	A	822	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	823	CLA	C1A-C2A-CAA-CBA
14	A	823	CLA	C3A-C2A-CAA-CBA
14	A	825	CLA	C3A-C2A-CAA-CBA
14	A	827	CLA	CBD-CGD-O2D-CED
14	A	828	CLA	C2A-CAA-CBA-CGA
14	A	829	CLA	CHA-CBD-CGD-O1D
14	A	829	CLA	CHA-CBD-CGD-O2D
14	A	830	CLA	CHA-CBD-CGD-O1D
14	A	830	CLA	CHA-CBD-CGD-O2D
14	A	832	CLA	CBD-CGD-O2D-CED
14	A	835	CLA	C1A-C2A-CAA-CBA
14	A	835	CLA	C3A-C2A-CAA-CBA
14	A	835	CLA	CHA-CBD-CGD-O1D
14	A	835	CLA	CHA-CBD-CGD-O2D
14	A	836	CLA	CHA-CBD-CGD-O1D
14	A	836	CLA	CHA-CBD-CGD-O2D
14	A	841	CLA	CHA-CBD-CGD-O1D
14	A	841	CLA	CHA-CBD-CGD-O2D
14	A	841	CLA	CAD-CBD-CGD-O1D
14	A	841	CLA	CAD-CBD-CGD-O2D
14	A	853	CLA	CHA-CBD-CGD-O1D
14	A	853	CLA	CHA-CBD-CGD-O2D
14	A	854	CLA	CHA-CBD-CGD-O1D
14	A	854	CLA	CHA-CBD-CGD-O2D
14	A	855	CLA	C3A-C2A-CAA-CBA
14	X	1701	CLA	C1A-C2A-CAA-CBA
14	X	1701	CLA	C3A-C2A-CAA-CBA
14	B	803	CLA	C1A-C2A-CAA-CBA
14	B	803	CLA	C3A-C2A-CAA-CBA
14	B	805	CLA	C1A-C2A-CAA-CBA
14	B	806	CLA	C3A-C2A-CAA-CBA
14	B	806	CLA	CHA-CBD-CGD-O1D
14	B	807	CLA	CBA-CGA-O2A-C1
14	B	807	CLA	O1A-CGA-O2A-C1
14	B	808	CLA	CHA-CBD-CGD-O1D
14	B	808	CLA	CHA-CBD-CGD-O2D
14	B	809	CLA	CHA-CBD-CGD-O1D
14	B	809	CLA	CHA-CBD-CGD-O2D
14	B	810	CLA	C1A-C2A-CAA-CBA
14	B	810	CLA	C2-C3-C5-C6
14	B	810	CLA	C4-C3-C5-C6
14	B	811	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	B	811	CLA	CAD-CBD-CGD-O2D
14	B	813	CLA	C1A-C2A-CAA-CBA
14	B	816	CLA	C1A-C2A-CAA-CBA
14	B	816	CLA	C3A-C2A-CAA-CBA
14	B	816	CLA	CBD-CGD-O2D-CED
14	B	818	CLA	C3A-C2A-CAA-CBA
14	B	819	CLA	C1A-C2A-CAA-CBA
14	B	819	CLA	C3A-C2A-CAA-CBA
14	B	821	CLA	C1A-C2A-CAA-CBA
14	B	821	CLA	C3A-C2A-CAA-CBA
14	B	824	CLA	CHA-CBD-CGD-O1D
14	B	824	CLA	CHA-CBD-CGD-O2D
14	B	824	CLA	CAD-CBD-CGD-O1D
14	B	825	CLA	CHA-CBD-CGD-O1D
14	B	825	CLA	CHA-CBD-CGD-O2D
14	B	826	CLA	C1A-C2A-CAA-CBA
14	B	826	CLA	C3A-C2A-CAA-CBA
14	B	828	CLA	C1A-C2A-CAA-CBA
14	B	828	CLA	C3A-C2A-CAA-CBA
14	B	828	CLA	CHA-CBD-CGD-O1D
14	B	829	CLA	C1A-C2A-CAA-CBA
14	B	829	CLA	C3A-C2A-CAA-CBA
14	B	830	CLA	CAD-CBD-CGD-O1D
14	B	830	CLA	CAD-CBD-CGD-O2D
14	B	830	CLA	CBD-CGD-O2D-CED
14	B	832	CLA	C1A-C2A-CAA-CBA
14	B	832	CLA	C3A-C2A-CAA-CBA
14	B	832	CLA	CHA-CBD-CGD-O1D
14	B	832	CLA	CHA-CBD-CGD-O2D
14	B	833	CLA	C1A-C2A-CAA-CBA
14	B	833	CLA	CBD-CGD-O2D-CED
14	B	834	CLA	CHA-CBD-CGD-O2D
14	B	834	CLA	CBD-CGD-O2D-CED
14	B	835	CLA	C1A-C2A-CAA-CBA
14	B	835	CLA	CBD-CGD-O2D-CED
14	B	836	CLA	CHA-CBD-CGD-O1D
14	B	836	CLA	CHA-CBD-CGD-O2D
14	B	836	CLA	CAD-CBD-CGD-O1D
14	B	836	CLA	CBD-CGD-O2D-CED
14	B	837	CLA	C1A-C2A-CAA-CBA
14	B	838	CLA	CHA-CBD-CGD-O1D
14	B	838	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	F	201	CLA	CBD-CGD-O2D-CED
14	J	101	CLA	CAD-CBD-CGD-O1D
14	J	101	CLA	CAD-CBD-CGD-O2D
14	K	101	CLA	C1A-C2A-CAA-CBA
14	K	101	CLA	C3A-C2A-CAA-CBA
14	L	1501	CLA	C1A-C2A-CAA-CBA
14	L	1501	CLA	C3A-C2A-CAA-CBA
14	L	1501	CLA	CHA-CBD-CGD-O1D
14	L	1501	CLA	CHA-CBD-CGD-O2D
14	L	1501	CLA	CAD-CBD-CGD-O1D
14	L	1501	CLA	CAD-CBD-CGD-O2D
14	L	1501	CLA	C2-C3-C5-C6
14	a	802	CLA	CHA-CBD-CGD-O1D
14	a	802	CLA	CHA-CBD-CGD-O2D
14	a	802	CLA	CAD-CBD-CGD-O1D
14	a	802	CLA	CAD-CBD-CGD-O2D
14	a	803	CLA	C1A-C2A-CAA-CBA
14	a	803	CLA	C3A-C2A-CAA-CBA
14	a	804	CLA	CBD-CGD-O2D-CED
14	a	806	CLA	C3A-C2A-CAA-CBA
14	a	808	CLA	C1A-C2A-CAA-CBA
14	a	808	CLA	C3A-C2A-CAA-CBA
14	a	808	CLA	CBD-CGD-O2D-CED
14	a	809	CLA	CBD-CGD-O2D-CED
14	a	809	CLA	O1D-CGD-O2D-CED
14	a	812	CLA	CBD-CGD-O2D-CED
14	a	813	CLA	CBD-CGD-O2D-CED
14	a	817	CLA	C1A-C2A-CAA-CBA
14	a	817	CLA	C3A-C2A-CAA-CBA
14	a	818	CLA	C1A-C2A-CAA-CBA
14	a	818	CLA	C3A-C2A-CAA-CBA
14	a	820	CLA	C1A-C2A-CAA-CBA
14	a	820	CLA	C3A-C2A-CAA-CBA
14	a	821	CLA	C1A-C2A-CAA-CBA
14	a	821	CLA	C3A-C2A-CAA-CBA
14	a	821	CLA	C2-C3-C5-C6
14	a	821	CLA	C4-C3-C5-C6
14	a	825	CLA	CHA-CBD-CGD-O1D
14	a	825	CLA	CHA-CBD-CGD-O2D
14	a	826	CLA	C2-C3-C5-C6
14	a	826	CLA	C4-C3-C5-C6
14	a	826	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	a	830	CLA	C1A-C2A-CAA-CBA
14	a	830	CLA	C2-C3-C5-C6
14	a	830	CLA	C4-C3-C5-C6
14	a	832	CLA	CHA-CBD-CGD-O1D
14	a	832	CLA	CHA-CBD-CGD-O2D
14	a	834	CLA	C1A-C2A-CAA-CBA
14	a	834	CLA	CHA-CBD-CGD-O1D
14	a	834	CLA	CHA-CBD-CGD-O2D
14	a	837	CLA	CHA-CBD-CGD-O1D
14	a	837	CLA	CHA-CBD-CGD-O2D
14	a	840	CLA	C1A-C2A-CAA-CBA
14	a	840	CLA	C3A-C2A-CAA-CBA
14	a	840	CLA	CHA-CBD-CGD-O1D
14	a	840	CLA	CHA-CBD-CGD-O2D
14	a	852	CLA	CBD-CGD-O2D-CED
14	x	1701	CLA	C1A-C2A-CAA-CBA
14	x	1701	CLA	C3A-C2A-CAA-CBA
14	b	803	CLA	C3A-C2A-CAA-CBA
14	b	803	CLA	C2-C3-C5-C6
14	b	803	CLA	C4-C3-C5-C6
14	b	804	CLA	CBD-CGD-O2D-CED
14	b	805	CLA	CBD-CGD-O2D-CED
14	b	806	CLA	C1A-C2A-CAA-CBA
14	b	806	CLA	C3A-C2A-CAA-CBA
14	b	809	CLA	CHA-CBD-CGD-O1D
14	b	809	CLA	CHA-CBD-CGD-O2D
14	b	810	CLA	C1A-C2A-CAA-CBA
14	b	810	CLA	C3A-C2A-CAA-CBA
14	b	811	CLA	CBD-CGD-O2D-CED
14	b	813	CLA	C1A-C2A-CAA-CBA
14	b	813	CLA	C3A-C2A-CAA-CBA
14	b	813	CLA	O1A-CGA-O2A-C1
14	b	814	CLA	C1A-C2A-CAA-CBA
14	b	814	CLA	C3A-C2A-CAA-CBA
14	b	818	CLA	C1A-C2A-CAA-CBA
14	b	818	CLA	C3A-C2A-CAA-CBA
14	b	819	CLA	C1A-C2A-CAA-CBA
14	b	819	CLA	C3A-C2A-CAA-CBA
14	b	820	CLA	CHA-CBD-CGD-O1D
14	b	820	CLA	CHA-CBD-CGD-O2D
14	b	821	CLA	C1A-C2A-CAA-CBA
14	b	821	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	b	826	CLA	C1A-C2A-CAA-CBA
14	b	826	CLA	C3A-C2A-CAA-CBA
14	b	828	CLA	C1A-C2A-CAA-CBA
14	b	828	CLA	C3A-C2A-CAA-CBA
14	b	829	CLA	C1A-C2A-CAA-CBA
14	b	829	CLA	C3A-C2A-CAA-CBA
14	b	829	CLA	CHA-CBD-CGD-O1D
14	b	829	CLA	CHA-CBD-CGD-O2D
14	b	831	CLA	C1A-C2A-CAA-CBA
14	b	832	CLA	CBD-CGD-O2D-CED
14	b	832	CLA	O1D-CGD-O2D-CED
14	b	834	CLA	CHA-CBD-CGD-O1D
14	b	834	CLA	CHA-CBD-CGD-O2D
14	b	834	CLA	CBD-CGD-O2D-CED
14	b	835	CLA	CBD-CGD-O2D-CED
14	b	836	CLA	CAD-CBD-CGD-O1D
14	b	836	CLA	CAD-CBD-CGD-O2D
14	b	841	CLA	C1A-C2A-CAA-CBA
14	b	841	CLA	CHA-CBD-CGD-O1D
14	b	841	CLA	CHA-CBD-CGD-O2D
14	b	851	CLA	CBD-CGD-O2D-CED
14	b	853	CLA	C1A-C2A-CAA-CBA
14	f	201	CLA	CBD-CGD-O2D-CED
14	j	101	CLA	C1A-C2A-CAA-CBA
14	j	101	CLA	C3A-C2A-CAA-CBA
14	j	101	CLA	CAD-CBD-CGD-O1D
14	j	101	CLA	CAD-CBD-CGD-O2D
14	l	202	CLA	C1A-C2A-CAA-CBA
14	l	202	CLA	C3A-C2A-CAA-CBA
14	l	204	CLA	CBD-CGD-O2D-CED
17	G	848	BCR	C1-C6-C7-C8
17	G	848	BCR	C5-C6-C7-C8
17	G	848	BCR	C7-C8-C9-C10
17	G	848	BCR	C7-C8-C9-C34
17	G	848	BCR	C21-C22-C23-C24
17	G	848	BCR	C37-C22-C23-C24
17	G	848	BCR	C23-C24-C25-C30
17	N	844	BCR	C21-C22-C23-C24
17	N	844	BCR	C37-C22-C23-C24
17	N	847	BCR	C1-C6-C7-C8
17	N	847	BCR	C5-C6-C7-C8
17	N	848	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
17	N	848	BCR	C37-C22-C23-C24
17	N	852	BCR	C17-C18-C19-C20
17	N	852	BCR	C36-C18-C19-C20
17	T	104	BCR	C1-C6-C7-C8
17	T	104	BCR	C5-C6-C7-C8
17	T	104	BCR	C21-C22-C23-C24
17	T	104	BCR	C37-C22-C23-C24
17	V	101	BCR	C7-C8-C9-C10
17	V	101	BCR	C7-C8-C9-C34
17	W	201	BCR	C7-C8-C9-C10
17	W	201	BCR	C7-C8-C9-C34
17	W	201	BCR	C11-C12-C13-C14
17	W	201	BCR	C11-C12-C13-C35
17	W	201	BCR	C17-C18-C19-C20
17	W	201	BCR	C36-C18-C19-C20
17	W	205	BCR	C21-C22-C23-C24
17	W	205	BCR	C37-C22-C23-C24
17	W	206	BCR	C7-C8-C9-C10
17	W	206	BCR	C7-C8-C9-C34
17	g	843	BCR	C11-C12-C13-C14
17	g	843	BCR	C11-C12-C13-C35
17	g	846	BCR	C17-C18-C19-C20
17	g	846	BCR	C36-C18-C19-C20
17	g	848	BCR	C1-C6-C7-C8
17	g	848	BCR	C5-C6-C7-C8
17	g	848	BCR	C21-C22-C23-C24
17	g	848	BCR	C37-C22-C23-C24
17	n	845	BCR	C7-C8-C9-C34
17	n	846	BCR	C21-C22-C23-C24
17	n	846	BCR	C37-C22-C23-C24
17	n	847	BCR	C21-C22-C23-C24
17	n	847	BCR	C37-C22-C23-C24
17	n	849	BCR	C17-C18-C19-C20
17	n	849	BCR	C36-C18-C19-C20
17	t	104	BCR	C37-C22-C23-C24
17	v	101	BCR	C21-C22-C23-C24
17	v	101	BCR	C37-C22-C23-C24
17	w	201	BCR	C7-C8-C9-C10
17	w	201	BCR	C7-C8-C9-C34
17	w	206	BCR	C21-C22-C23-C24
17	w	206	BCR	C37-C22-C23-C24
17	y	101	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	y	101	BCR	C7-C8-C9-C10
17	y	101	BCR	C7-C8-C9-C34
17	A	845	BCR	C21-C22-C23-C24
17	A	845	BCR	C37-C22-C23-C24
17	A	849	BCR	C1-C6-C7-C8
17	A	849	BCR	C5-C6-C7-C8
17	A	849	BCR	C7-C8-C9-C34
17	A	849	BCR	C21-C22-C23-C24
17	A	849	BCR	C37-C22-C23-C24
17	B	844	BCR	C1-C6-C7-C8
17	B	844	BCR	C5-C6-C7-C8
17	B	844	BCR	C36-C18-C19-C20
17	B	844	BCR	C37-C22-C23-C24
17	B	846	BCR	C17-C18-C19-C20
17	B	846	BCR	C36-C18-C19-C20
17	B	848	BCR	C21-C22-C23-C24
17	B	848	BCR	C37-C22-C23-C24
17	I	102	BCR	C11-C12-C13-C14
17	I	102	BCR	C11-C12-C13-C35
17	I	102	BCR	C37-C22-C23-C24
17	I	103	BCR	C7-C8-C9-C10
17	I	103	BCR	C7-C8-C9-C34
17	L	1504	BCR	C11-C12-C13-C35
17	a	843	BCR	C11-C12-C13-C14
17	a	843	BCR	C11-C12-C13-C35
17	a	844	BCR	C21-C22-C23-C24
17	a	844	BCR	C37-C22-C23-C24
17	a	846	BCR	C11-C12-C13-C14
17	a	846	BCR	C11-C12-C13-C35
17	a	846	BCR	C36-C18-C19-C20
17	a	846	BCR	C19-C20-C21-C22
17	a	846	BCR	C23-C24-C25-C26
17	a	848	BCR	C1-C6-C7-C8
17	a	848	BCR	C5-C6-C7-C8
17	a	848	BCR	C7-C8-C9-C10
17	a	848	BCR	C7-C8-C9-C34
17	a	848	BCR	C21-C22-C23-C24
17	a	848	BCR	C37-C22-C23-C24
17	b	846	BCR	C5-C6-C7-C8
17	b	846	BCR	C7-C8-C9-C10
17	b	846	BCR	C7-C8-C9-C34
17	b	846	BCR	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
17	b	846	BCR	C11-C12-C13-C35
17	b	847	BCR	C21-C22-C23-C24
17	b	847	BCR	C37-C22-C23-C24
17	b	850	BCR	C7-C8-C9-C10
17	b	850	BCR	C7-C8-C9-C34
17	b	850	BCR	C11-C12-C13-C14
17	b	850	BCR	C11-C12-C13-C35
17	j	103	BCR	C1-C6-C7-C8
17	j	104	BCR	C21-C22-C23-C24
17	j	104	BCR	C37-C22-C23-C24
17	j	104	BCR	C23-C24-C25-C26
17	i	101	BCR	C7-C8-C9-C10
17	i	102	BCR	C7-C8-C9-C10
17	i	102	BCR	C7-C8-C9-C34
17	i	102	BCR	C13-C14-C15-C16
17	i	102	BCR	C21-C22-C23-C24
17	m	102	BCR	C1-C6-C7-C8
17	m	102	BCR	C7-C8-C9-C34
18	G	849	LHG	O1-C1-C2-C3
18	G	849	LHG	C1-C2-C3-O3
18	G	849	LHG	O2-C2-C3-O3
18	G	849	LHG	C3-O3-P-O4
18	G	849	LHG	C3-O3-P-O5
18	G	849	LHG	C4-O6-P-O4
18	G	850	LHG	O1-C1-C2-C3
18	G	850	LHG	C1-C2-C3-O3
18	S	202	LHG	O1-C1-C2-C3
18	S	202	LHG	C1-C2-C3-O3
18	S	202	LHG	C3-O3-P-O5
18	S	202	LHG	C8-C7-O7-C5
18	g	849	LHG	O1-C1-C2-C3
18	g	849	LHG	C4-O6-P-O4
18	g	849	LHG	C4-O6-P-O5
18	v	102	LHG	C3-O3-P-O5
18	v	102	LHG	O6-C4-C5-O7
18	A	850	LHG	O1-C1-C2-C3
18	A	850	LHG	C3-O3-P-O6
18	A	851	LHG	C1-C2-C3-O3
18	A	851	LHG	O2-C2-C3-O3
18	X	1702	LHG	O1-C1-C2-C3
18	X	1702	LHG	C1-C2-C3-O3
18	X	1702	LHG	O2-C2-C3-O3

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Mol	Chain	Res	Type	Atoms
18	X	1702	LHG	O9-C7-O7-C5
18	X	1702	LHG	C8-C7-O7-C5
18	a	850	LHG	C3-O3-P-O5
18	a	850	LHG	C8-C7-O7-C5
18	m	101	LHG	C4-O6-P-O4
18	m	101	LHG	O6-C4-C5-O7
20	h	1702	SQD	O47-C45-C46-O48
20	n	801	SQD	O5-C5-C6-S
20	w	202	SQD	O5-C1-O6-C44
20	w	202	SQD	O47-C45-C46-O48
20	w	202	SQD	O5-C5-C6-S
20	B	801	SQD	C5-C6-S-O7
20	B	801	SQD	C5-C6-S-O8
20	B	801	SQD	C5-C6-S-O9
20	b	801	SQD	C2-C1-O6-C44
20	l	201	SQD	O5-C1-O6-C44
21	N	802	LMG	O6-C1-O1-C7
21	B	802	LMG	C11-C10-O7-C8
14	G	805	CLA	O1D-CGD-O2D-CED
14	G	814	CLA	O1D-CGD-O2D-CED
14	n	804	CLA	O1D-CGD-O2D-CED
14	n	833	CLA	O1D-CGD-O2D-CED
14	n	834	CLA	O1D-CGD-O2D-CED
14	s	201	CLA	O1D-CGD-O2D-CED
14	B	807	CLA	O1D-CGD-O2D-CED
14	B	810	CLA	O1D-CGD-O2D-CED
14	B	816	CLA	O1D-CGD-O2D-CED
14	a	804	CLA	O1D-CGD-O2D-CED
14	a	822	CLA	O1D-CGD-O2D-CED
14	b	805	CLA	O1D-CGD-O2D-CED
14	G	801	CLA	O1D-CGD-O2D-CED
14	G	810	CLA	O1D-CGD-O2D-CED
14	N	804	CLA	O1D-CGD-O2D-CED
14	N	835	CLA	O1D-CGD-O2D-CED
14	N	836	CLA	O1D-CGD-O2D-CED
14	S	201	CLA	O1D-CGD-O2D-CED
14	g	809	CLA	O1D-CGD-O2D-CED
14	g	836	CLA	O1D-CGD-O2D-CED
14	A	805	CLA	O1D-CGD-O2D-CED
14	A	806	CLA	O1D-CGD-O2D-CED
14	B	834	CLA	O1D-CGD-O2D-CED
14	F	201	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	b	804	CLA	O1D-CGD-O2D-CED
14	b	823	CLA	O1D-CGD-O2D-CED
14	b	834	CLA	O1D-CGD-O2D-CED
14	f	201	CLA	O1D-CGD-O2D-CED
14	G	801	CLA	CBD-CGD-O2D-CED
14	G	812	CLA	CBD-CGD-O2D-CED
14	G	814	CLA	CBD-CGD-O2D-CED
14	G	824	CLA	CBD-CGD-O2D-CED
14	G	827	CLA	CBD-CGD-O2D-CED
14	H	1701	CLA	CBD-CGD-O2D-CED
14	N	817	CLA	CBD-CGD-O2D-CED
14	N	825	CLA	CBD-CGD-O2D-CED
14	N	829	CLA	CBD-CGD-O2D-CED
14	N	834	CLA	CBD-CGD-O2D-CED
14	N	837	CLA	CBD-CGD-O2D-CED
14	N	851	CLA	CBD-CGD-O2D-CED
14	S	201	CLA	CBD-CGD-O2D-CED
14	T	101	CLA	CBD-CGD-O2D-CED
14	g	804	CLA	CBD-CGD-O2D-CED
14	g	813	CLA	CBD-CGD-O2D-CED
14	g	819	CLA	CBD-CGD-O2D-CED
14	g	821	CLA	CBD-CGD-O2D-CED
14	g	826	CLA	CBD-CGD-O2D-CED
14	g	830	CLA	CBD-CGD-O2D-CED
14	n	803	CLA	CBD-CGD-O2D-CED
14	n	827	CLA	CBD-CGD-O2D-CED
14	n	834	CLA	CBD-CGD-O2D-CED
14	A	809	CLA	CBD-CGD-O2D-CED
14	A	812	CLA	CBD-CGD-O2D-CED
14	A	816	CLA	CBD-CGD-O2D-CED
14	A	820	CLA	CBD-CGD-O2D-CED
14	A	838	CLA	CBD-CGD-O2D-CED
14	A	841	CLA	CBD-CGD-O2D-CED
14	A	855	CLA	CBD-CGD-O2D-CED
14	X	1701	CLA	CBD-CGD-O2D-CED
14	B	804	CLA	CBD-CGD-O2D-CED
14	B	805	CLA	CBD-CGD-O2D-CED
14	B	807	CLA	CBD-CGD-O2D-CED
14	B	810	CLA	CBD-CGD-O2D-CED
14	B	817	CLA	CBD-CGD-O2D-CED
14	B	819	CLA	CBD-CGD-O2D-CED
14	B	820	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	823	CLA	CBD-CGD-O2D-CED
14	B	828	CLA	CBD-CGD-O2D-CED
14	B	837	CLA	CBD-CGD-O2D-CED
14	B	850	CLA	CBD-CGD-O2D-CED
14	J	101	CLA	CBD-CGD-O2D-CED
14	a	816	CLA	CBD-CGD-O2D-CED
14	a	819	CLA	CBD-CGD-O2D-CED
14	a	821	CLA	CBD-CGD-O2D-CED
14	a	822	CLA	CBD-CGD-O2D-CED
14	a	826	CLA	CBD-CGD-O2D-CED
14	a	831	CLA	CBD-CGD-O2D-CED
14	x	1701	CLA	CBD-CGD-O2D-CED
14	b	823	CLA	CBD-CGD-O2D-CED
14	b	830	CLA	CBD-CGD-O2D-CED
14	b	840	CLA	CBD-CGD-O2D-CED
14	j	101	CLA	CBD-CGD-O2D-CED
14	G	804	CLA	O1A-CGA-O2A-C1
14	G	818	CLA	O1A-CGA-O2A-C1
14	N	808	CLA	O1A-CGA-O2A-C1
14	N	812	CLA	O1A-CGA-O2A-C1
14	N	814	CLA	O1A-CGA-O2A-C1
14	g	803	CLA	O1A-CGA-O2A-C1
14	n	802	CLA	O1A-CGA-O2A-C1
14	n	822	CLA	O1A-CGA-O2A-C1
14	n	831	CLA	O1A-CGA-O2A-C1
14	B	819	CLA	O1A-CGA-O2A-C1
14	B	834	CLA	O1A-CGA-O2A-C1
14	a	803	CLA	O1A-CGA-O2A-C1
14	b	807	CLA	O1A-CGA-O2A-C1
14	b	811	CLA	O1A-CGA-O2A-C1
14	H	1701	CLA	O1D-CGD-O2D-CED
14	N	805	CLA	O1D-CGD-O2D-CED
14	N	824	CLA	O1D-CGD-O2D-CED
14	g	804	CLA	O1D-CGD-O2D-CED
14	A	809	CLA	O1D-CGD-O2D-CED
14	A	820	CLA	O1D-CGD-O2D-CED
14	X	1701	CLA	O1D-CGD-O2D-CED
14	a	821	CLA	O1D-CGD-O2D-CED
14	x	1701	CLA	O1D-CGD-O2D-CED
14	b	811	CLA	O1D-CGD-O2D-CED
14	b	805	CLA	C2C-C3C-CAC-CBC
14	G	822	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	G	832	CLA	O1D-CGD-O2D-CED
14	N	825	CLA	O1D-CGD-O2D-CED
14	N	831	CLA	O1D-CGD-O2D-CED
14	g	807	CLA	O1D-CGD-O2D-CED
14	n	810	CLA	O1D-CGD-O2D-CED
14	n	827	CLA	O1D-CGD-O2D-CED
14	n	840	CLA	O1D-CGD-O2D-CED
14	A	814	CLA	O1D-CGD-O2D-CED
14	A	827	CLA	O1D-CGD-O2D-CED
14	B	804	CLA	O1D-CGD-O2D-CED
14	B	817	CLA	O1D-CGD-O2D-CED
14	B	830	CLA	O1D-CGD-O2D-CED
14	B	835	CLA	O1D-CGD-O2D-CED
14	B	836	CLA	O1D-CGD-O2D-CED
14	a	852	CLA	O1D-CGD-O2D-CED
14	b	851	CLA	O1D-CGD-O2D-CED
14	j	101	CLA	O1D-CGD-O2D-CED
14	G	804	CLA	CBA-CGA-O2A-C1
14	N	808	CLA	CBA-CGA-O2A-C1
14	N	812	CLA	CBA-CGA-O2A-C1
14	g	803	CLA	CBA-CGA-O2A-C1
14	g	818	CLA	CBA-CGA-O2A-C1
14	n	802	CLA	CBA-CGA-O2A-C1
14	n	806	CLA	CBA-CGA-O2A-C1
14	n	822	CLA	CBA-CGA-O2A-C1
14	n	831	CLA	CBA-CGA-O2A-C1
14	B	834	CLA	CBA-CGA-O2A-C1
14	G	823	CLA	CBD-CGD-O2D-CED
14	G	833	CLA	CBD-CGD-O2D-CED
14	G	852	CLA	CBD-CGD-O2D-CED
14	N	815	CLA	CBD-CGD-O2D-CED
14	N	818	CLA	CBD-CGD-O2D-CED
14	N	832	CLA	CBD-CGD-O2D-CED
14	g	814	CLA	CBD-CGD-O2D-CED
14	g	832	CLA	CBD-CGD-O2D-CED
14	g	837	CLA	CBD-CGD-O2D-CED
14	n	824	CLA	CBD-CGD-O2D-CED
14	n	828	CLA	CBD-CGD-O2D-CED
14	n	835	CLA	CBD-CGD-O2D-CED
14	A	813	CLA	CBD-CGD-O2D-CED
14	A	823	CLA	CBD-CGD-O2D-CED
14	A	833	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	836	CLA	CBD-CGD-O2D-CED
14	B	812	CLA	CBD-CGD-O2D-CED
14	B	814	CLA	CBD-CGD-O2D-CED
14	a	810	CLA	CBD-CGD-O2D-CED
14	a	811	CLA	CBD-CGD-O2D-CED
14	a	827	CLA	CBD-CGD-O2D-CED
14	a	830	CLA	CBD-CGD-O2D-CED
14	a	832	CLA	CBD-CGD-O2D-CED
14	b	812	CLA	CBD-CGD-O2D-CED
14	b	836	CLA	CBD-CGD-O2D-CED
14	b	837	CLA	CBD-CGD-O2D-CED
14	b	841	CLA	CBD-CGD-O2D-CED
14	G	819	CLA	O1A-CGA-O2A-C1
14	G	836	CLA	O1A-CGA-O2A-C1
14	N	803	CLA	O1A-CGA-O2A-C1
14	g	802	CLA	O1A-CGA-O2A-C1
14	g	817	CLA	O1A-CGA-O2A-C1
14	g	818	CLA	O1A-CGA-O2A-C1
14	g	835	CLA	O1A-CGA-O2A-C1
14	n	812	CLA	O1A-CGA-O2A-C1
14	A	818	CLA	O1A-CGA-O2A-C1
14	A	820	CLA	O1A-CGA-O2A-C1
14	A	836	CLA	O1A-CGA-O2A-C1
14	B	803	CLA	O1A-CGA-O2A-C1
14	B	813	CLA	O1A-CGA-O2A-C1
14	B	823	CLA	O1A-CGA-O2A-C1
14	a	804	CLA	O1A-CGA-O2A-C1
14	a	811	CLA	O1A-CGA-O2A-C1
14	a	817	CLA	O1A-CGA-O2A-C1
14	a	818	CLA	O1A-CGA-O2A-C1
14	a	835	CLA	O1A-CGA-O2A-C1
14	b	832	CLA	O1A-CGA-O2A-C1
20	w	202	SQD	O10-C23-O48-C46
14	w	205	CLA	O1D-CGD-O2D-CED
14	A	822	CLA	O1D-CGD-O2D-CED
14	B	833	CLA	O1D-CGD-O2D-CED
14	a	808	CLA	O1D-CGD-O2D-CED
14	a	813	CLA	O1D-CGD-O2D-CED
14	l	204	CLA	O1D-CGD-O2D-CED
14	N	806	CLA	O1D-CGD-O2D-CED
14	A	832	CLA	O1D-CGD-O2D-CED
14	a	812	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	b	835	CLA	O1D-CGD-O2D-CED
14	g	834	CLA	CBD-CGD-O2D-CED
14	h	1701	CLA	CBD-CGD-O2D-CED
14	n	811	CLA	CBD-CGD-O2D-CED
14	n	819	CLA	CBD-CGD-O2D-CED
14	A	835	CLA	CBD-CGD-O2D-CED
14	B	803	CLA	CBD-CGD-O2D-CED
14	a	837	CLA	CBD-CGD-O2D-CED
14	N	834	CLA	O1D-CGD-O2D-CED
14	B	823	CLA	O1D-CGD-O2D-CED
14	J	101	CLA	O1D-CGD-O2D-CED
18	a	850	LHG	O9-C7-O7-C5
20	H	1702	SQD	O49-C7-O47-C45
20	x	1702	SQD	O49-C7-O47-C45
21	B	802	LMG	O9-C10-O7-C8
14	g	826	CLA	O1D-CGD-O2D-CED
14	G	804	CLA	C3-C5-C6-C7
14	G	806	CLA	C3-C5-C6-C7
14	G	822	CLA	C3-C5-C6-C7
14	G	830	CLA	C3-C5-C6-C7
14	G	837	CLA	C3-C5-C6-C7
14	G	839	CLA	C3-C5-C6-C7
14	N	803	CLA	C3-C5-C6-C7
14	N	811	CLA	C3-C5-C6-C7
14	g	802	CLA	C3-C5-C6-C7
14	g	803	CLA	C3-C5-C6-C7
14	g	806	CLA	C3-C5-C6-C7
14	g	816	CLA	C3-C5-C6-C7
14	g	821	CLA	C3-C5-C6-C7
14	g	826	CLA	C3-C5-C6-C7
14	g	830	CLA	C3-C5-C6-C7
14	n	833	CLA	C3-C5-C6-C7
14	A	808	CLA	C3-C5-C6-C7
14	A	819	CLA	C3-C5-C6-C7
14	A	822	CLA	C3-C5-C6-C7
14	A	837	CLA	C3-C5-C6-C7
14	A	853	CLA	C3-C5-C6-C7
14	A	854	CLA	C3-C5-C6-C7
14	B	803	CLA	C3-C5-C6-C7
14	B	824	CLA	C3-C5-C6-C7
14	L	1502	CLA	C3-C5-C6-C7
14	a	803	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	a	807	CLA	C3-C5-C6-C7
14	a	826	CLA	C3-C5-C6-C7
14	b	837	CLA	C3-C5-C6-C7
14	b	838	CLA	C3-C5-C6-C7
14	f	201	CLA	C3-C5-C6-C7
19	G	851	CL0	C3-C5-C6-C7
19	a	851	CL0	C3-C5-C6-C7
14	G	803	CLA	CBA-CGA-O2A-C1
14	G	807	CLA	CBA-CGA-O2A-C1
14	G	818	CLA	CBA-CGA-O2A-C1
14	G	819	CLA	CBA-CGA-O2A-C1
14	G	820	CLA	CBA-CGA-O2A-C1
14	N	803	CLA	CBA-CGA-O2A-C1
14	N	814	CLA	CBA-CGA-O2A-C1
14	N	817	CLA	CBA-CGA-O2A-C1
14	g	802	CLA	CBA-CGA-O2A-C1
14	g	804	CLA	CBA-CGA-O2A-C1
14	g	806	CLA	CBA-CGA-O2A-C1
14	A	810	CLA	CBA-CGA-O2A-C1
14	B	805	CLA	CBA-CGA-O2A-C1
14	B	819	CLA	CBA-CGA-O2A-C1
14	a	803	CLA	CBA-CGA-O2A-C1
14	a	804	CLA	CBA-CGA-O2A-C1
14	a	817	CLA	CBA-CGA-O2A-C1
14	a	830	CLA	CBA-CGA-O2A-C1
14	b	807	CLA	CBA-CGA-O2A-C1
14	b	811	CLA	CBA-CGA-O2A-C1
14	b	813	CLA	CBA-CGA-O2A-C1
14	b	832	CLA	CBA-CGA-O2A-C1
20	w	202	SQD	C24-C23-O48-C46
20	H	1702	SQD	C8-C7-O47-C45
20	x	1702	SQD	C8-C7-O47-C45
14	G	812	CLA	O1D-CGD-O2D-CED
14	g	819	CLA	O1D-CGD-O2D-CED
14	a	831	CLA	O1D-CGD-O2D-CED
14	g	816	CLA	CBD-CGD-O2D-CED
14	n	815	CLA	CBD-CGD-O2D-CED
14	N	842	CLA	O1A-CGA-O2A-C1
14	a	802	CLA	O1A-CGA-O2A-C1
14	b	819	CLA	O1A-CGA-O2A-C1
14	N	834	CLA	C4-C3-C5-C6
14	n	822	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	a	828	CLA	C4-C3-C5-C6
14	N	804	CLA	C2-C3-C5-C6
14	g	826	CLA	C2-C3-C5-C6
14	n	822	CLA	C2-C3-C5-C6
14	N	813	CLA	CBD-CGD-O2D-CED
14	N	833	CLA	CBD-CGD-O2D-CED
14	S	203	CLA	CBD-CGD-O2D-CED
14	A	829	CLA	CBD-CGD-O2D-CED
14	b	824	CLA	CBD-CGD-O2D-CED
14	G	810	CLA	C2A-CAA-CBA-CGA
14	G	819	CLA	C2A-CAA-CBA-CGA
14	G	828	CLA	C2A-CAA-CBA-CGA
14	G	830	CLA	C2A-CAA-CBA-CGA
14	G	839	CLA	C2A-CAA-CBA-CGA
14	N	806	CLA	C2A-CAA-CBA-CGA
14	n	812	CLA	C2A-CAA-CBA-CGA
14	n	820	CLA	C2A-CAA-CBA-CGA
14	n	828	CLA	C2A-CAA-CBA-CGA
14	n	839	CLA	C2A-CAA-CBA-CGA
14	A	830	CLA	C2A-CAA-CBA-CGA
14	A	855	CLA	C2A-CAA-CBA-CGA
14	B	810	CLA	C2A-CAA-CBA-CGA
14	B	836	CLA	C2A-CAA-CBA-CGA
14	B	840	CLA	C2A-CAA-CBA-CGA
14	J	101	CLA	C2A-CAA-CBA-CGA
14	a	834	CLA	C2A-CAA-CBA-CGA
14	b	813	CLA	C2A-CAA-CBA-CGA
14	b	840	CLA	C2A-CAA-CBA-CGA
14	b	853	CLA	C2A-CAA-CBA-CGA
19	G	851	CL0	C2A-CAA-CBA-CGA
14	A	855	CLA	O1D-CGD-O2D-CED
14	B	820	CLA	O1D-CGD-O2D-CED
18	G	849	LHG	C24-C25-C26-C27
18	G	850	LHG	C24-C25-C26-C27
18	g	850	LHG	C24-C25-C26-C27
18	v	102	LHG	C24-C25-C26-C27
18	X	1702	LHG	C24-C25-C26-C27
18	a	850	LHG	C24-C25-C26-C27
18	m	101	LHG	C24-C25-C26-C27
14	G	807	CLA	C3-C5-C6-C7
14	G	808	CLA	C3-C5-C6-C7
14	g	836	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	n	809	CLA	C3-C5-C6-C7
14	B	834	CLA	C3-C5-C6-C7
14	a	806	CLA	C3-C5-C6-C7
14	b	811	CLA	C3-C5-C6-C7
14	b	831	CLA	C3-C5-C6-C7
14	b	851	CLA	C3-C5-C6-C7
14	G	836	CLA	CBA-CGA-O2A-C1
14	g	809	CLA	CBA-CGA-O2A-C1
14	g	816	CLA	CBA-CGA-O2A-C1
14	g	817	CLA	CBA-CGA-O2A-C1
14	g	835	CLA	CBA-CGA-O2A-C1
14	n	812	CLA	CBA-CGA-O2A-C1
14	n	818	CLA	CBA-CGA-O2A-C1
14	A	817	CLA	CBA-CGA-O2A-C1
14	A	818	CLA	CBA-CGA-O2A-C1
14	A	820	CLA	CBA-CGA-O2A-C1
14	A	836	CLA	CBA-CGA-O2A-C1
14	A	857	CLA	CBA-CGA-O2A-C1
14	B	803	CLA	CBA-CGA-O2A-C1
14	B	813	CLA	CBA-CGA-O2A-C1
14	B	823	CLA	CBA-CGA-O2A-C1
14	a	802	CLA	CBA-CGA-O2A-C1
14	a	806	CLA	CBA-CGA-O2A-C1
14	a	809	CLA	CBA-CGA-O2A-C1
14	a	811	CLA	CBA-CGA-O2A-C1
14	a	816	CLA	CBA-CGA-O2A-C1
14	a	818	CLA	CBA-CGA-O2A-C1
14	a	821	CLA	CBA-CGA-O2A-C1
14	a	835	CLA	CBA-CGA-O2A-C1
14	b	803	CLA	CBA-CGA-O2A-C1
18	G	849	LHG	C24-C23-O8-C6
18	X	1702	LHG	C24-C23-O8-C6
20	H	1702	SQD	C24-C23-O48-C46
20	x	1702	SQD	C24-C23-O48-C46
18	m	101	LHG	C15-C16-C17-C18
14	N	829	CLA	O1D-CGD-O2D-CED
14	N	851	CLA	O1D-CGD-O2D-CED
14	A	812	CLA	O1D-CGD-O2D-CED
14	a	826	CLA	O1D-CGD-O2D-CED
14	b	830	CLA	O1D-CGD-O2D-CED
14	n	802	CLA	CBD-CGD-O2D-CED
14	N	817	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	T	101	CLA	O1D-CGD-O2D-CED
14	g	821	CLA	O1D-CGD-O2D-CED
14	n	803	CLA	O1D-CGD-O2D-CED
14	B	828	CLA	O1D-CGD-O2D-CED
14	a	819	CLA	O1D-CGD-O2D-CED
18	S	202	LHG	O9-C7-O7-C5
14	G	817	CLA	O1A-CGA-O2A-C1
14	g	806	CLA	O1A-CGA-O2A-C1
14	g	816	CLA	O1A-CGA-O2A-C1
14	g	830	CLA	O1A-CGA-O2A-C1
14	n	815	CLA	O1A-CGA-O2A-C1
14	u	102	CLA	O1A-CGA-O2A-C1
14	A	807	CLA	O1A-CGA-O2A-C1
14	a	816	CLA	O1A-CGA-O2A-C1
14	a	821	CLA	O1A-CGA-O2A-C1
14	a	854	CLA	O1A-CGA-O2A-C1
14	b	803	CLA	O1A-CGA-O2A-C1
14	b	816	CLA	O1A-CGA-O2A-C1
20	x	1702	SQD	O10-C23-O48-C46
14	a	816	CLA	O1D-CGD-O2D-CED
14	b	840	CLA	O1D-CGD-O2D-CED
17	W	201	BCR	C15-C16-C17-C18
17	W	201	BCR	C19-C20-C21-C22
17	I	102	BCR	C19-C20-C21-C22
17	b	846	BCR	C19-C20-C21-C22
14	G	809	CLA	CBD-CGD-O2D-CED
14	N	842	CLA	CBD-CGD-O2D-CED
14	g	806	CLA	CBD-CGD-O2D-CED
14	g	810	CLA	CBD-CGD-O2D-CED
14	g	812	CLA	CBD-CGD-O2D-CED
14	g	822	CLA	CBD-CGD-O2D-CED
14	g	853	CLA	CBD-CGD-O2D-CED
14	A	830	CLA	CBD-CGD-O2D-CED
14	A	839	CLA	CBD-CGD-O2D-CED
14	B	829	CLA	CBD-CGD-O2D-CED
14	B	831	CLA	CBD-CGD-O2D-CED
14	a	834	CLA	CBD-CGD-O2D-CED
14	a	840	CLA	CBD-CGD-O2D-CED
14	b	853	CLA	CBD-CGD-O2D-CED
14	l	202	CLA	CBD-CGD-O2D-CED
14	g	830	CLA	O1D-CGD-O2D-CED
14	A	816	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	805	CLA	O1D-CGD-O2D-CED
18	S	202	LHG	O2-C2-C3-O3
14	N	806	CLA	C3-C5-C6-C7
14	n	803	CLA	C3-C5-C6-C7
14	A	832	CLA	C3-C5-C6-C7
14	N	820	CLA	CBA-CGA-O2A-C1
14	N	833	CLA	CBA-CGA-O2A-C1
14	N	842	CLA	CBA-CGA-O2A-C1
14	g	821	CLA	CBA-CGA-O2A-C1
14	g	840	CLA	CBA-CGA-O2A-C1
14	n	815	CLA	CBA-CGA-O2A-C1
14	A	803	CLA	CBA-CGA-O2A-C1
14	B	841	CLA	CBA-CGA-O2A-C1
14	b	802	CLA	CBA-CGA-O2A-C1
14	b	816	CLA	CBA-CGA-O2A-C1
14	b	819	CLA	CBA-CGA-O2A-C1
20	l	201	SQD	C24-C23-O48-C46
14	G	807	CLA	O1A-CGA-O2A-C1
14	G	820	CLA	O1A-CGA-O2A-C1
14	N	817	CLA	O1A-CGA-O2A-C1
14	g	804	CLA	O1A-CGA-O2A-C1
14	n	810	CLA	O1A-CGA-O2A-C1
14	A	810	CLA	O1A-CGA-O2A-C1
14	B	805	CLA	O1A-CGA-O2A-C1
14	B	841	CLA	O1A-CGA-O2A-C1
14	a	806	CLA	O1A-CGA-O2A-C1
14	a	830	CLA	O1A-CGA-O2A-C1
18	X	1702	LHG	O10-C23-O8-C6
20	l	201	SQD	O10-C23-O48-C46
14	G	824	CLA	O1D-CGD-O2D-CED
14	A	841	CLA	O1D-CGD-O2D-CED
14	B	850	CLA	O1D-CGD-O2D-CED
14	G	835	CLA	CBD-CGD-O2D-CED
14	G	838	CLA	CBD-CGD-O2D-CED
14	g	801	CLA	CBD-CGD-O2D-CED
14	g	820	CLA	CBD-CGD-O2D-CED
14	g	828	CLA	CBD-CGD-O2D-CED
14	g	831	CLA	CBD-CGD-O2D-CED
14	g	835	CLA	CBD-CGD-O2D-CED
14	A	853	CLA	CBD-CGD-O2D-CED
14	B	841	CLA	CBD-CGD-O2D-CED
14	a	818	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
21	N	802	LMG	O6-C5-C6-O5
20	h	1702	SQD	C9-C10-C11-C12
18	G	849	LHG	O10-C23-O8-C6
18	S	202	LHG	C26-C27-C28-C29
14	N	837	CLA	O1D-CGD-O2D-CED
14	B	819	CLA	O1D-CGD-O2D-CED
18	a	850	LHG	C11-C10-C9-C8
14	a	828	CLA	CBD-CGD-O2D-CED
14	g	807	CLA	C3-C5-C6-C7
14	B	811	CLA	C3-C5-C6-C7
14	G	817	CLA	CBA-CGA-O2A-C1
14	g	810	CLA	CBA-CGA-O2A-C1
14	g	830	CLA	CBA-CGA-O2A-C1
14	n	810	CLA	CBA-CGA-O2A-C1
14	u	102	CLA	CBA-CGA-O2A-C1
14	A	807	CLA	CBA-CGA-O2A-C1
14	a	854	CLA	CBA-CGA-O2A-C1
14	G	827	CLA	O1D-CGD-O2D-CED
14	N	820	CLA	O1A-CGA-O2A-C1
14	N	833	CLA	O1A-CGA-O2A-C1
14	g	809	CLA	O1A-CGA-O2A-C1
14	g	821	CLA	O1A-CGA-O2A-C1
14	n	818	CLA	O1A-CGA-O2A-C1
14	A	803	CLA	O1A-CGA-O2A-C1
14	A	817	CLA	O1A-CGA-O2A-C1
14	A	857	CLA	O1A-CGA-O2A-C1
14	a	809	CLA	O1A-CGA-O2A-C1
20	H	1702	SQD	O10-C23-O48-C46
14	g	830	CLA	C4-C3-C5-C6
14	g	830	CLA	C2-C3-C5-C6
14	N	811	CLA	C2A-CAA-CBA-CGA
14	N	841	CLA	C2A-CAA-CBA-CGA
14	n	803	CLA	C2A-CAA-CBA-CGA
14	n	833	CLA	C2A-CAA-CBA-CGA
14	A	809	CLA	C2A-CAA-CBA-CGA
14	A	811	CLA	C2A-CAA-CBA-CGA
14	A	839	CLA	C2A-CAA-CBA-CGA
14	B	829	CLA	C2A-CAA-CBA-CGA
14	a	810	CLA	C2A-CAA-CBA-CGA
14	a	852	CLA	C2A-CAA-CBA-CGA
14	b	829	CLA	C2A-CAA-CBA-CGA
14	B	837	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	g	810	CLA	O1A-CGA-O2A-C1
14	b	802	CLA	O1A-CGA-O2A-C1
20	H	1702	SQD	O5-C1-O6-C44
20	b	801	SQD	O5-C1-O6-C44
14	g	838	CLA	C3-C5-C6-C7
14	G	805	CLA	CBA-CGA-O2A-C1
14	N	819	CLA	CBA-CGA-O2A-C1
14	N	832	CLA	CBA-CGA-O2A-C1
14	g	819	CLA	CBA-CGA-O2A-C1
14	B	839	CLA	CBA-CGA-O2A-C1
14	b	831	CLA	CBA-CGA-O2A-C1
20	h	1702	SQD	C11-C12-C13-C14
14	n	852	CLA	CBD-CGD-O2D-CED
14	g	813	CLA	O1D-CGD-O2D-CED
14	A	838	CLA	O1D-CGD-O2D-CED
14	g	840	CLA	O1A-CGA-O2A-C1
21	N	802	LMG	C4-C5-C6-O5
20	B	801	SQD	C10-C11-C12-C13
14	g	814	CLA	O1D-CGD-O2D-CED
14	A	823	CLA	O1D-CGD-O2D-CED
14	A	836	CLA	O1D-CGD-O2D-CED
14	G	805	CLA	O1A-CGA-O2A-C1
14	N	832	CLA	O1A-CGA-O2A-C1
14	b	831	CLA	O1A-CGA-O2A-C1
14	b	805	CLA	C4C-C3C-CAC-CBC
14	A	811	CLA	C3-C5-C6-C7
14	G	810	CLA	CBA-CGA-O2A-C1
14	N	813	CLA	CBA-CGA-O2A-C1
14	N	827	CLA	CBA-CGA-O2A-C1
14	n	830	CLA	CBA-CGA-O2A-C1
14	n	838	CLA	CBA-CGA-O2A-C1
14	n	840	CLA	CBA-CGA-O2A-C1
14	n	850	CLA	CBA-CGA-O2A-C1
14	s	201	CLA	CBA-CGA-O2A-C1
14	A	822	CLA	CBA-CGA-O2A-C1
14	B	806	CLA	CBA-CGA-O2A-C1
14	B	832	CLA	CBA-CGA-O2A-C1
14	L	1502	CLA	CBA-CGA-O2A-C1
14	a	810	CLA	CBA-CGA-O2A-C1
14	a	819	CLA	CBA-CGA-O2A-C1
14	b	823	CLA	CBA-CGA-O2A-C1
19	a	851	CL0	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
20	h	1702	SQD	C24-C23-O48-C46
20	B	801	SQD	C24-C23-O48-C46
14	G	827	CLA	C10-C11-C12-C13
14	G	833	CLA	O1D-CGD-O2D-CED
14	B	812	CLA	O1D-CGD-O2D-CED
17	B	844	BCR	C19-C20-C21-C22
18	a	850	LHG	C31-C32-C33-C34
18	m	101	LHG	C9-C10-C11-C12
20	x	1702	SQD	C33-C34-C35-C36
14	n	835	CLA	O1D-CGD-O2D-CED
18	v	102	LHG	C12-C13-C14-C15
14	b	836	CLA	O1D-CGD-O2D-CED
14	G	818	CLA	C15-C16-C17-C18
14	g	801	CLA	C8-C10-C11-C12
14	g	854	CLA	C13-C15-C16-C17
14	n	802	CLA	C8-C10-C11-C12
14	a	809	CLA	C15-C16-C17-C18
14	a	811	CLA	C5-C6-C7-C8
14	b	807	CLA	C5-C6-C7-C8
18	G	850	LHG	O2-C2-C3-O3
18	g	849	LHG	O2-C2-C3-O3
18	S	202	LHG	C7-C8-C9-C10
21	B	849	LMG	C2-C1-O1-C7
18	A	850	LHG	O7-C5-C6-O8
18	m	101	LHG	O7-C5-C6-O8
20	l	201	SQD	O47-C45-C46-O48
14	B	812	CLA	CBA-CGA-O2A-C1
20	l	201	SQD	C11-C12-C13-C14
14	N	827	CLA	O1A-CGA-O2A-C1
14	n	840	CLA	O1A-CGA-O2A-C1
14	a	810	CLA	O1A-CGA-O2A-C1
14	A	822	CLA	C4-C3-C5-C6
14	N	834	CLA	C2-C3-C5-C6
14	a	828	CLA	C2-C3-C5-C6
14	G	804	CLA	C6-C7-C8-C9
14	G	853	CLA	C11-C12-C13-C14
14	N	801	CLA	C14-C13-C15-C16
14	N	831	CLA	C14-C13-C15-C16
14	N	851	CLA	C11-C12-C13-C14
14	g	803	CLA	C6-C7-C8-C9
14	g	805	CLA	C11-C10-C8-C9
14	g	807	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	g	816	CLA	C6-C7-C8-C9
14	g	825	CLA	C6-C7-C8-C9
14	g	825	CLA	C11-C12-C13-C14
14	g	852	CLA	C11-C10-C8-C9
14	n	808	CLA	C14-C13-C15-C16
14	n	832	CLA	C11-C12-C13-C14
14	n	837	CLA	C14-C13-C15-C16
14	w	204	CLA	C11-C10-C8-C9
14	A	802	CLA	C14-C13-C15-C16
14	A	811	CLA	C11-C10-C8-C9
14	A	826	CLA	C14-C13-C15-C16
14	A	831	CLA	C6-C7-C8-C9
14	A	831	CLA	C14-C13-C15-C16
14	A	839	CLA	C11-C12-C13-C14
14	A	854	CLA	C6-C7-C8-C9
14	B	811	CLA	C6-C7-C8-C9
14	B	818	CLA	C6-C7-C8-C9
14	B	818	CLA	C11-C12-C13-C14
14	B	830	CLA	C14-C13-C15-C16
14	B	841	CLA	C6-C7-C8-C9
14	B	850	CLA	C11-C12-C13-C14
14	b	803	CLA	C6-C7-C8-C9
14	b	807	CLA	C14-C13-C15-C16
14	b	809	CLA	C14-C13-C15-C16
14	b	811	CLA	C6-C7-C8-C9
14	b	818	CLA	C6-C7-C8-C9
14	b	830	CLA	C11-C12-C13-C14
14	f	201	CLA	C6-C7-C8-C9
14	g	832	CLA	O1D-CGD-O2D-CED
14	a	832	CLA	O1D-CGD-O2D-CED
14	a	838	CLA	CBD-CGD-O2D-CED
14	b	827	CLA	CBD-CGD-O2D-CED
14	G	811	CLA	C8-C10-C11-C12
14	G	838	CLA	C5-C6-C7-C8
14	N	833	CLA	C2A-CAA-CBA-CGA
14	B	807	CLA	C2A-CAA-CBA-CGA
17	G	843	BCR	C11-C12-C13-C35
17	G	844	BCR	C37-C22-C23-C24
17	N	845	BCR	C37-C22-C23-C24
17	N	847	BCR	C36-C18-C19-C20
17	Y	101	BCR	C7-C8-C9-C34
17	g	847	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
17	g	848	BCR	C7-C8-C9-C34
17	A	844	BCR	C11-C12-C13-C35
17	B	843	BCR	C7-C8-C9-C34
17	B	844	BCR	C7-C8-C9-C34
17	B	846	BCR	C7-C8-C9-C34
17	B	846	BCR	C37-C22-C23-C24
17	I	101	BCR	C37-C22-C23-C24
17	I	102	BCR	C7-C8-C9-C34
17	I	103	BCR	C37-C22-C23-C24
17	a	846	BCR	C37-C22-C23-C24
17	a	847	BCR	C7-C8-C9-C34
17	b	846	BCR	C36-C18-C19-C20
17	b	847	BCR	C7-C8-C9-C34
17	j	104	BCR	C7-C8-C9-C34
17	i	101	BCR	C7-C8-C9-C34
17	i	102	BCR	C37-C22-C23-C24
17	l	205	BCR	C37-C22-C23-C24
17	g	848	BCR	C7-C8-C9-C10
17	t	104	BCR	C21-C22-C23-C24
17	A	846	BCR	C7-C8-C9-C10
17	A	849	BCR	C7-C8-C9-C10
17	B	844	BCR	C7-C8-C9-C10
17	B	846	BCR	C21-C22-C23-C24
17	I	102	BCR	C7-C8-C9-C10
17	I	103	BCR	C21-C22-C23-C24
17	b	846	BCR	C17-C18-C19-C20
17	j	104	BCR	C7-C8-C9-C10
17	l	205	BCR	C21-C22-C23-C24
14	G	810	CLA	O1A-CGA-O2A-C1
14	n	830	CLA	O1A-CGA-O2A-C1
14	n	850	CLA	O1A-CGA-O2A-C1
14	L	1502	CLA	O1A-CGA-O2A-C1
14	a	819	CLA	O1A-CGA-O2A-C1
20	B	801	SQD	O10-C23-O48-C46
14	N	807	CLA	C13-C15-C16-C17
14	g	826	CLA	C8-C10-C11-C12
14	A	804	CLA	C8-C10-C11-C12
14	A	817	CLA	C8-C10-C11-C12
14	A	832	CLA	C5-C6-C7-C8
14	B	833	CLA	C5-C6-C7-C8
14	a	804	CLA	C15-C16-C17-C18
14	a	807	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	a	807	CLA	C15-C16-C17-C18
14	b	809	CLA	C10-C11-C12-C13
14	A	833	CLA	O1D-CGD-O2D-CED
14	b	820	CLA	CBD-CGD-O2D-CED
14	G	817	CLA	C3-C5-C6-C7
14	A	838	CLA	C3-C5-C6-C7
14	G	801	CLA	C15-C16-C17-C18
14	N	801	CLA	C8-C10-C11-C12
14	N	804	CLA	C8-C10-C11-C12
14	N	815	CLA	C10-C11-C12-C13
14	N	819	CLA	C8-C10-C11-C12
14	N	827	CLA	C10-C11-C12-C13
14	N	828	CLA	C8-C10-C11-C12
14	g	806	CLA	C8-C10-C11-C12
14	g	817	CLA	C5-C6-C7-C8
14	g	830	CLA	C8-C10-C11-C12
14	n	805	CLA	C13-C15-C16-C17
14	n	806	CLA	C10-C11-C12-C13
14	n	837	CLA	C13-C15-C16-C17
14	A	810	CLA	C15-C16-C17-C18
14	A	811	CLA	C8-C10-C11-C12
14	A	820	CLA	C13-C15-C16-C17
14	A	820	CLA	C15-C16-C17-C18
14	A	831	CLA	C8-C10-C11-C12
14	A	837	CLA	C5-C6-C7-C8
14	A	837	CLA	C13-C15-C16-C17
14	B	806	CLA	C13-C15-C16-C17
14	B	850	CLA	C10-C11-C12-C13
14	b	811	CLA	C5-C6-C7-C8
14	b	829	CLA	C13-C15-C16-C17
14	b	841	CLA	C8-C10-C11-C12
14	b	812	CLA	O1D-CGD-O2D-CED
14	G	820	CLA	C8-C10-C11-C12
14	N	803	CLA	C13-C15-C16-C17
14	N	808	CLA	C15-C16-C17-C18
14	N	826	CLA	C15-C16-C17-C18
14	g	819	CLA	C13-C15-C16-C17
14	g	823	CLA	C8-C10-C11-C12
14	g	854	CLA	C8-C10-C11-C12
14	n	803	CLA	C10-C11-C12-C13
14	n	822	CLA	C5-C6-C7-C8
14	n	850	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	s	201	CLA	C5-C6-C7-C8
14	A	820	CLA	C5-C6-C7-C8
14	A	840	CLA	C8-C10-C11-C12
14	A	854	CLA	C13-C15-C16-C17
14	B	807	CLA	C13-C15-C16-C17
14	B	814	CLA	C10-C11-C12-C13
14	B	824	CLA	C5-C6-C7-C8
14	a	819	CLA	C10-C11-C12-C13
14	a	826	CLA	C8-C10-C11-C12
14	a	830	CLA	C8-C10-C11-C12
14	b	802	CLA	C13-C15-C16-C17
14	b	806	CLA	C13-C15-C16-C17
14	b	814	CLA	C10-C11-C12-C13
15	B	842	PQN	C15-C16-C17-C18
20	w	202	SQD	C31-C32-C33-C34
14	G	823	CLA	O1D-CGD-O2D-CED
14	N	832	CLA	O1D-CGD-O2D-CED
14	a	810	CLA	O1D-CGD-O2D-CED
14	a	827	CLA	O1D-CGD-O2D-CED
14	b	841	CLA	O1D-CGD-O2D-CED
18	G	850	LHG	O1-C1-C2-O2
18	g	850	LHG	C23-C24-C25-C26
20	w	202	SQD	C23-C24-C25-C26
20	B	801	SQD	C7-C8-C9-C10
14	a	811	CLA	C2C-C3C-CAC-CBC
14	g	808	CLA	CBD-CGD-O2D-CED
14	B	832	CLA	CBD-CGD-O2D-CED
14	B	814	CLA	O1D-CGD-O2D-CED
14	a	830	CLA	O1D-CGD-O2D-CED
14	N	851	CLA	C8-C10-C11-C12
14	g	809	CLA	C8-C10-C11-C12
14	g	852	CLA	C5-C6-C7-C8
14	g	854	CLA	C15-C16-C17-C18
14	n	823	CLA	C13-C15-C16-C17
14	n	828	CLA	C15-C16-C17-C18
14	w	204	CLA	C5-C6-C7-C8
14	A	802	CLA	C13-C15-C16-C17
14	A	806	CLA	C8-C10-C11-C12
14	A	824	CLA	C15-C16-C17-C18
14	B	826	CLA	C10-C11-C12-C13
14	a	817	CLA	C15-C16-C17-C18
14	b	829	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	n	803	CLA	CBA-CGA-O2A-C1
14	A	819	CLA	CBA-CGA-O2A-C1
18	A	850	LHG	C24-C23-O8-C6
14	G	852	CLA	O1D-CGD-O2D-CED
14	N	815	CLA	O1D-CGD-O2D-CED
14	A	813	CLA	O1D-CGD-O2D-CED
18	g	850	LHG	C34-C35-C36-C37
18	A	850	LHG	C26-C27-C28-C29
14	G	824	CLA	C8-C10-C11-C12
14	n	813	CLA	C10-C11-C12-C13
14	n	823	CLA	C5-C6-C7-C8
14	n	829	CLA	C15-C16-C17-C18
14	A	854	CLA	C5-C6-C7-C8
14	a	837	CLA	C15-C16-C17-C18
14	b	824	CLA	C5-C6-C7-C8
14	b	826	CLA	C5-C6-C7-C8
21	b	849	LMG	C28-C29-C30-C31
14	G	808	CLA	C8-C10-C11-C12
14	g	838	CLA	C15-C16-C17-C18
14	n	808	CLA	C10-C11-C12-C13
14	n	840	CLA	C8-C10-C11-C12
14	b	808	CLA	C5-C6-C7-C8
14	N	818	CLA	O1D-CGD-O2D-CED
14	n	819	CLA	O1D-CGD-O2D-CED
14	a	811	CLA	O1D-CGD-O2D-CED
14	a	837	CLA	O1D-CGD-O2D-CED
14	G	837	CLA	C11-C12-C13-C15
14	N	803	CLA	C12-C13-C15-C16
14	g	804	CLA	C11-C12-C13-C15
14	g	807	CLA	C11-C10-C8-C7
14	g	816	CLA	C6-C7-C8-C10
14	g	819	CLA	C11-C12-C13-C15
14	g	825	CLA	C11-C12-C13-C15
14	n	827	CLA	C11-C12-C13-C15
14	n	832	CLA	C11-C10-C8-C7
14	A	802	CLA	C11-C10-C8-C7
14	A	802	CLA	C11-C12-C13-C15
14	A	810	CLA	C11-C10-C8-C7
14	B	820	CLA	C11-C12-C13-C15
14	B	827	CLA	C11-C10-C8-C7
14	a	830	CLA	C11-C12-C13-C15
14	a	836	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	b	804	CLA	C6-C7-C8-C10
14	n	838	CLA	O1A-CGA-O2A-C1
14	s	201	CLA	O1A-CGA-O2A-C1
14	A	822	CLA	O1A-CGA-O2A-C1
14	B	806	CLA	O1A-CGA-O2A-C1
14	B	832	CLA	O1A-CGA-O2A-C1
17	W	201	BCR	C13-C14-C15-C16
17	b	846	BCR	C9-C10-C11-C12
14	G	815	CLA	C2A-CAA-CBA-CGA
14	N	830	CLA	C2A-CAA-CBA-CGA
14	T	101	CLA	C2A-CAA-CBA-CGA
14	g	807	CLA	C2A-CAA-CBA-CGA
14	g	808	CLA	C2A-CAA-CBA-CGA
14	A	808	CLA	C2A-CAA-CBA-CGA
14	B	821	CLA	C2A-CAA-CBA-CGA
14	B	823	CLA	C2A-CAA-CBA-CGA
14	B	828	CLA	C2A-CAA-CBA-CGA
14	B	832	CLA	C2A-CAA-CBA-CGA
14	a	827	CLA	C2A-CAA-CBA-CGA
14	b	810	CLA	C2A-CAA-CBA-CGA
14	g	837	CLA	O1D-CGD-O2D-CED
14	h	1701	CLA	O1D-CGD-O2D-CED
14	n	811	CLA	O1D-CGD-O2D-CED
14	n	824	CLA	O1D-CGD-O2D-CED
14	n	828	CLA	O1D-CGD-O2D-CED
14	B	803	CLA	O1D-CGD-O2D-CED
14	b	837	CLA	O1D-CGD-O2D-CED
14	g	803	CLA	C15-C16-C17-C18
14	g	836	CLA	C10-C11-C12-C13
14	a	830	CLA	C13-C15-C16-C17
14	b	802	CLA	C5-C6-C7-C8
14	b	823	CLA	O1A-CGA-O2A-C1
14	G	829	CLA	CBD-CGD-O2D-CED
14	n	832	CLA	CBD-CGD-O2D-CED
14	A	801	CLA	CBD-CGD-O2D-CED
14	b	815	CLA	CBD-CGD-O2D-CED
21	B	849	LMG	O6-C1-O1-C7
14	G	806	CLA	C8-C10-C11-C12
14	G	808	CLA	C10-C11-C12-C13
14	N	842	CLA	C5-C6-C7-C8
14	n	840	CLA	C5-C6-C7-C8
14	g	834	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
20	H	1702	SQD	C7-C8-C9-C10
14	N	805	CLA	C2C-C3C-CAC-CBC
14	n	804	CLA	C2C-C3C-CAC-CBC
18	a	850	LHG	O2-C2-C3-O3
14	n	831	CLA	C3-C5-C6-C7
14	a	829	CLA	C3-C5-C6-C7
14	G	804	CLA	C13-C15-C16-C17
14	N	808	CLA	C5-C6-C7-C8
14	g	803	CLA	C13-C15-C16-C17
14	g	837	CLA	C5-C6-C7-C8
14	n	810	CLA	C8-C10-C11-C12
14	n	825	CLA	C5-C6-C7-C8
14	n	832	CLA	C8-C10-C11-C12
14	A	802	CLA	C15-C16-C17-C18
14	A	818	CLA	C5-C6-C7-C8
14	b	830	CLA	C8-C10-C11-C12
14	n	828	CLA	CBA-CGA-O2A-C1
18	g	849	LHG	C15-C16-C17-C18
14	N	839	CLA	CBD-CGD-O2D-CED
14	g	833	CLA	CBD-CGD-O2D-CED
14	b	838	CLA	CBD-CGD-O2D-CED
14	N	819	CLA	O1A-CGA-O2A-C1
14	g	819	CLA	O1A-CGA-O2A-C1
14	B	812	CLA	O1A-CGA-O2A-C1
14	B	839	CLA	O1A-CGA-O2A-C1
19	a	851	CL0	O1A-CGA-O2A-C1
20	h	1702	SQD	O10-C23-O48-C46
14	N	809	CLA	C15-C16-C17-C18
14	g	819	CLA	C8-C10-C11-C12
14	n	806	CLA	C13-C15-C16-C17
14	n	806	CLA	C15-C16-C17-C18
14	n	807	CLA	C13-C15-C16-C17
14	n	817	CLA	C13-C15-C16-C17
14	n	828	CLA	C13-C15-C16-C17
14	A	804	CLA	C13-C15-C16-C17
14	A	826	CLA	C5-C6-C7-C8
14	B	818	CLA	C8-C10-C11-C12
14	B	818	CLA	C15-C16-C17-C18
14	B	829	CLA	C13-C15-C16-C17
14	a	801	CLA	C15-C16-C17-C18
14	b	807	CLA	C13-C15-C16-C17
14	b	825	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
15	G	841	PQN	C18-C20-C21-C22
14	b	812	CLA	C5-C6-C7-C8
18	S	202	LHG	C32-C33-C34-C35
20	x	1702	SQD	C10-C11-C12-C13
14	g	816	CLA	O1D-CGD-O2D-CED
14	A	835	CLA	O1D-CGD-O2D-CED
14	N	813	CLA	O1A-CGA-O2A-C1
20	h	1702	SQD	C8-C7-O47-C45
20	B	801	SQD	C8-C7-O47-C45
18	a	849	LHG	C28-C29-C30-C31
14	n	815	CLA	O1D-CGD-O2D-CED
14	G	805	CLA	C5-C6-C7-C8
14	G	805	CLA	C15-C16-C17-C18
14	G	816	CLA	C5-C6-C7-C8
14	g	815	CLA	C5-C6-C7-C8
14	g	853	CLA	C15-C16-C17-C18
14	n	831	CLA	C5-C6-C7-C8
14	A	854	CLA	C10-C11-C12-C13
14	B	814	CLA	C5-C6-C7-C8
14	B	824	CLA	C8-C10-C11-C12
14	a	810	CLA	C8-C10-C11-C12
14	a	819	CLA	C13-C15-C16-C17
14	b	827	CLA	C15-C16-C17-C18
14	b	841	CLA	C5-C6-C7-C8
15	B	842	PQN	C23-C25-C26-C27
18	G	849	LHG	C3-O3-P-O6
18	G	849	LHG	C4-O6-P-O3
18	G	850	LHG	C4-O6-P-O3
18	g	849	LHG	C4-O6-P-O3
18	g	850	LHG	C3-O3-P-O6
18	A	850	LHG	C4-O6-P-O3
18	A	851	LHG	C3-O3-P-O6
18	m	101	LHG	C4-O6-P-O3
14	n	852	CLA	C3-C5-C6-C7
14	A	839	CLA	C3-C5-C6-C7
14	B	813	CLA	C3-C5-C6-C7
14	N	801	CLA	CBA-CGA-O2A-C1
14	N	834	CLA	CBA-CGA-O2A-C1
14	N	838	CLA	CBA-CGA-O2A-C1
14	b	820	CLA	CBA-CGA-O2A-C1
20	h	1702	SQD	C29-C30-C31-C32
14	a	803	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
18	A	850	LHG	O10-C23-O8-C6
14	N	813	CLA	O1D-CGD-O2D-CED
20	h	1702	SQD	O49-C7-O47-C45
20	B	801	SQD	O49-C7-O47-C45
14	N	803	CLA	C4-C3-C5-C6
14	B	833	CLA	C4-C3-C5-C6
14	N	826	CLA	C5-C6-C7-C8
14	a	837	CLA	C5-C6-C7-C8
14	N	841	CLA	CBD-CGD-O2D-CED
20	w	202	SQD	C10-C11-C12-C13
14	G	827	CLA	C2A-CAA-CBA-CGA
14	G	835	CLA	C2A-CAA-CBA-CGA
14	N	829	CLA	C2A-CAA-CBA-CGA
14	g	810	CLA	C2A-CAA-CBA-CGA
14	n	822	CLA	C2A-CAA-CBA-CGA
14	A	819	CLA	C2A-CAA-CBA-CGA
14	A	840	CLA	C2A-CAA-CBA-CGA
14	B	817	CLA	C2A-CAA-CBA-CGA
14	B	834	CLA	C2A-CAA-CBA-CGA
14	B	841	CLA	C2A-CAA-CBA-CGA
14	a	806	CLA	C2A-CAA-CBA-CGA
14	a	821	CLA	C2A-CAA-CBA-CGA
14	b	802	CLA	C2A-CAA-CBA-CGA
14	n	822	CLA	C6-C7-C8-C10
14	N	842	CLA	C3-C5-C6-C7
14	s	201	CLA	C3-C5-C6-C7
14	a	801	CLA	C3-C5-C6-C7
14	G	827	CLA	CBA-CGA-O2A-C1
14	A	840	CLA	CBA-CGA-O2A-C1
14	B	837	CLA	CBA-CGA-O2A-C1
14	N	825	CLA	C5-C6-C7-C8
14	A	829	CLA	O1D-CGD-O2D-CED
17	i	102	BCR	C15-C16-C17-C18
18	G	849	LHG	C9-C10-C11-C12
18	G	850	LHG	C27-C28-C29-C30
14	b	824	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	CBD-CGD-O2D-CED
14	G	820	CLA	C15-C16-C17-C18
14	G	828	CLA	C15-C16-C17-C18
19	g	851	CL0	C13-C15-C16-C17
18	S	202	LHG	C29-C30-C31-C32
18	g	850	LHG	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
18	a	849	LHG	C13-C14-C15-C16
18	a	850	LHG	C10-C11-C12-C13
20	h	1702	SQD	C33-C34-C35-C36
20	l	201	SQD	C33-C34-C35-C36
21	b	849	LMG	C34-C35-C36-C37
14	n	803	CLA	O1A-CGA-O2A-C1
14	N	833	CLA	O1D-CGD-O2D-CED
14	S	203	CLA	O1D-CGD-O2D-CED
14	N	804	CLA	C16-C17-C18-C19
14	N	811	CLA	C16-C17-C18-C20
14	g	816	CLA	C11-C12-C13-C14
14	g	819	CLA	C16-C17-C18-C20
14	n	840	CLA	C16-C17-C18-C20
14	b	826	CLA	C16-C17-C18-C20
14	g	836	CLA	CBA-CGA-O2A-C1
14	n	811	CLA	CBA-CGA-O2A-C1
14	A	834	CLA	CBA-CGA-O2A-C1
18	G	849	LHG	C13-C14-C15-C16
18	g	850	LHG	C26-C27-C28-C29
18	m	101	LHG	C28-C29-C30-C31
20	n	801	SQD	C11-C12-C13-C14
20	B	801	SQD	C30-C31-C32-C33
20	b	801	SQD	C11-C10-C9-C8
14	G	807	CLA	C8-C10-C11-C12
14	N	838	CLA	CBD-CGD-O2D-CED
14	B	809	CLA	CBD-CGD-O2D-CED
14	B	825	CLA	CBD-CGD-O2D-CED
18	g	850	LHG	C10-C11-C12-C13
18	a	850	LHG	C15-C16-C17-C18
18	a	850	LHG	C29-C30-C31-C32
18	v	102	LHG	C2-C3-O3-P
14	A	819	CLA	O1A-CGA-O2A-C1
18	G	849	LHG	C15-C16-C17-C18
18	G	850	LHG	C17-C18-C19-C20
18	v	102	LHG	C9-C10-C11-C12
20	h	1702	SQD	C25-C26-C27-C28
20	B	801	SQD	C9-C10-C11-C12
20	l	201	SQD	C10-C11-C12-C13
21	n	848	LMG	C17-C18-C19-C20
14	n	802	CLA	O1D-CGD-O2D-CED
20	w	202	SQD	C33-C34-C35-C36
14	N	825	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
20	l	201	SQD	C23-C24-C25-C26
14	A	839	CLA	O1D-CGD-O2D-CED
20	h	1702	SQD	C2-C1-O6-C44
20	w	202	SQD	C2-C1-O6-C44
21	B	849	LMG	O7-C8-C9-O8
14	N	807	CLA	CBA-CGA-O2A-C1
18	A	850	LHG	C10-C11-C12-C13
20	n	801	SQD	C27-C28-C29-C30
20	B	801	SQD	C31-C32-C33-C34
20	b	801	SQD	C10-C11-C12-C13
21	n	848	LMG	C37-C38-C39-C40
14	G	820	CLA	C10-C11-C12-C13
14	G	837	CLA	C8-C10-C11-C12
19	g	851	CL0	C5-C6-C7-C8
14	G	828	CLA	C16-C17-C18-C20
14	N	810	CLA	C16-C17-C18-C19
14	N	812	CLA	C11-C12-C13-C15
14	g	825	CLA	C16-C17-C18-C20
14	A	812	CLA	C11-C12-C13-C14
14	B	832	CLA	C11-C12-C13-C14
14	B	837	CLA	C11-C12-C13-C15
14	B	840	CLA	C16-C17-C18-C20
14	L	1502	CLA	C11-C12-C13-C14
14	a	816	CLA	C11-C12-C13-C14
14	b	829	CLA	C16-C17-C18-C20
14	b	830	CLA	C16-C17-C18-C19
19	g	851	CL0	C16-C17-C18-C19
14	N	842	CLA	O1D-CGD-O2D-CED
18	a	849	LHG	C14-C15-C16-C17
14	B	833	CLA	C2-C3-C5-C6
14	G	801	CLA	C11-C12-C13-C14
14	G	837	CLA	C14-C13-C15-C16
14	N	826	CLA	C11-C10-C8-C9
14	N	830	CLA	C11-C10-C8-C9
14	n	817	CLA	C14-C13-C15-C16
14	n	827	CLA	C6-C7-C8-C9
14	A	805	CLA	C11-C10-C8-C9
14	A	837	CLA	C14-C13-C15-C16
14	B	827	CLA	C6-C7-C8-C9
14	a	805	CLA	C11-C10-C8-C9
14	a	836	CLA	C14-C13-C15-C16
18	v	102	LHG	C26-C27-C28-C29

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Mol	Chain	Res	Type	Atoms
18	a	849	LHG	C10-C11-C12-C13
18	m	101	LHG	C14-C15-C16-C17
20	H	1702	SQD	C31-C32-C33-C34
20	n	801	SQD	C10-C11-C12-C13
20	x	1702	SQD	C9-C10-C11-C12
20	x	1702	SQD	C27-C28-C29-C30
20	b	801	SQD	C25-C26-C27-C28
20	l	201	SQD	C11-C10-C9-C8
14	G	826	CLA	C15-C16-C17-C18
14	n	824	CLA	C15-C16-C17-C18
14	B	803	CLA	C10-C11-C12-C13
14	b	825	CLA	C5-C6-C7-C8
14	G	808	CLA	C2A-CAA-CBA-CGA
14	A	820	CLA	C2A-CAA-CBA-CGA
14	a	808	CLA	C2A-CAA-CBA-CGA
14	a	820	CLA	C2A-CAA-CBA-CGA
14	a	840	CLA	C2A-CAA-CBA-CGA
14	b	830	CLA	C2A-CAA-CBA-CGA
19	a	851	CL0	C2A-CAA-CBA-CGA
14	N	834	CLA	O1A-CGA-O2A-C1
17	A	846	BCR	C7-C8-C9-C34
14	g	829	CLA	C5-C6-C7-C8
20	n	801	SQD	C9-C10-C11-C12
18	v	102	LHG	O1-C1-C2-C3
18	A	851	LHG	O1-C1-C2-C3
18	a	849	LHG	O1-C1-C2-C3
18	a	850	LHG	O1-C1-C2-C3
18	m	101	LHG	O1-C1-C2-C3
17	N	845	BCR	C21-C22-C23-C24
17	n	845	BCR	C7-C8-C9-C10
17	B	844	BCR	C17-C18-C19-C20
17	B	844	BCR	C21-C22-C23-C24
17	I	101	BCR	C21-C22-C23-C24
17	I	102	BCR	C21-C22-C23-C24
17	L	1504	BCR	C11-C12-C13-C14
17	a	846	BCR	C17-C18-C19-C20
17	a	846	BCR	C21-C22-C23-C24
14	n	839	CLA	C3-C5-C6-C7
14	b	824	CLA	C3-C5-C6-C7
14	b	833	CLA	C3-C5-C6-C7
14	b	853	CLA	C3-C5-C6-C7
14	G	853	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	A	818	CLA	C10-C11-C12-C13
18	v	102	LHG	C25-C26-C27-C28
18	X	1702	LHG	C27-C28-C29-C30
18	a	849	LHG	C15-C16-C17-C18
20	w	202	SQD	C11-C12-C13-C14
20	x	1702	SQD	C29-C30-C31-C32
20	b	801	SQD	C30-C31-C32-C33
21	n	848	LMG	C33-C34-C35-C36
21	B	849	LMG	C38-C39-C40-C41
18	v	102	LHG	C23-C24-C25-C26
14	G	809	CLA	O1D-CGD-O2D-CED
14	g	812	CLA	O1D-CGD-O2D-CED
14	g	822	CLA	O1D-CGD-O2D-CED
18	g	850	LHG	C14-C15-C16-C17
18	v	102	LHG	C14-C15-C16-C17
18	A	851	LHG	C15-C16-C17-C18
20	h	1702	SQD	C14-C15-C16-C17
20	n	801	SQD	C30-C31-C32-C33
20	x	1702	SQD	C32-C33-C34-C35
20	b	801	SQD	C27-C28-C29-C30
20	l	201	SQD	C17-C18-C19-C20
20	l	201	SQD	C30-C31-C32-C33
21	N	850	LMG	C17-C18-C19-C20
21	n	848	LMG	C21-C22-C23-C24
21	B	849	LMG	C20-C21-C22-C23
21	b	849	LMG	C17-C18-C19-C20
14	b	820	CLA	O1A-CGA-O2A-C1
14	N	819	CLA	C16-C17-C18-C20
14	N	833	CLA	C11-C12-C13-C15
14	g	817	CLA	C16-C17-C18-C19
14	g	817	CLA	C16-C17-C18-C20
14	g	825	CLA	C16-C17-C18-C19
14	n	840	CLA	C16-C17-C18-C19
14	A	812	CLA	C11-C12-C13-C15
14	B	807	CLA	C16-C17-C18-C19
14	B	807	CLA	C16-C17-C18-C20
14	L	1502	CLA	C11-C12-C13-C15
14	b	806	CLA	C16-C17-C18-C19
14	b	810	CLA	C16-C17-C18-C20
14	b	823	CLA	C6-C7-C8-C9
14	b	841	CLA	C16-C17-C18-C19
14	G	801	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	n	829	CLA	C13-C15-C16-C17
14	A	807	CLA	C8-C10-C11-C12
14	A	831	CLA	C15-C16-C17-C18
14	A	839	CLA	C15-C16-C17-C18
14	B	807	CLA	C5-C6-C7-C8
14	b	831	CLA	C5-C6-C7-C8
18	a	849	LHG	C32-C33-C34-C35
21	B	802	LMG	C29-C30-C31-C32
14	N	821	CLA	CBD-CGD-O2D-CED
14	n	831	CLA	CBD-CGD-O2D-CED
14	B	815	CLA	CBD-CGD-O2D-CED
14	g	806	CLA	O1D-CGD-O2D-CED
14	g	853	CLA	O1D-CGD-O2D-CED
14	B	831	CLA	O1D-CGD-O2D-CED
18	G	849	LHG	C14-C15-C16-C17
18	A	851	LHG	C23-C24-C25-C26
18	m	101	LHG	C23-C24-C25-C26
20	b	801	SQD	C23-C24-C25-C26
14	A	804	CLA	C5-C6-C7-C8
14	B	810	CLA	C13-C15-C16-C17
14	G	827	CLA	O1A-CGA-O2A-C1
20	b	801	SQD	C33-C34-C35-C36
14	B	829	CLA	O1D-CGD-O2D-CED
14	a	812	CLA	CBA-CGA-O2A-C1
14	b	812	CLA	CBA-CGA-O2A-C1
14	b	841	CLA	CBA-CGA-O2A-C1
18	A	851	LHG	C14-C15-C16-C17
21	B	802	LMG	C11-C12-C13-C14
14	g	810	CLA	O1D-CGD-O2D-CED
14	a	834	CLA	O1D-CGD-O2D-CED
14	G	804	CLA	C3A-C2A-CAA-CBA
14	G	827	CLA	C3A-C2A-CAA-CBA
14	G	840	CLA	C3A-C2A-CAA-CBA
14	N	815	CLA	C3A-C2A-CAA-CBA
14	N	828	CLA	C3A-C2A-CAA-CBA
14	N	838	CLA	C3A-C2A-CAA-CBA
14	T	101	CLA	C3A-C2A-CAA-CBA
14	W	202	CLA	C3A-C2A-CAA-CBA
14	g	803	CLA	C3A-C2A-CAA-CBA
14	g	804	CLA	C3A-C2A-CAA-CBA
14	g	853	CLA	C3A-C2A-CAA-CBA
14	n	804	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	n	809	CLA	C3A-C2A-CAA-CBA
14	n	810	CLA	C3A-C2A-CAA-CBA
14	n	823	CLA	C3A-C2A-CAA-CBA
14	A	806	CLA	C3A-C2A-CAA-CBA
14	A	811	CLA	C3A-C2A-CAA-CBA
14	A	841	CLA	C3A-C2A-CAA-CBA
14	B	805	CLA	C3A-C2A-CAA-CBA
14	B	810	CLA	C3A-C2A-CAA-CBA
14	B	811	CLA	C3A-C2A-CAA-CBA
14	B	833	CLA	C3A-C2A-CAA-CBA
14	B	837	CLA	C3A-C2A-CAA-CBA
14	F	201	CLA	C3A-C2A-CAA-CBA
14	J	101	CLA	C3A-C2A-CAA-CBA
14	a	804	CLA	C3A-C2A-CAA-CBA
14	a	834	CLA	C3A-C2A-CAA-CBA
14	b	805	CLA	C3A-C2A-CAA-CBA
14	b	811	CLA	C3A-C2A-CAA-CBA
14	b	824	CLA	C3A-C2A-CAA-CBA
14	b	827	CLA	C3A-C2A-CAA-CBA
14	b	841	CLA	C3A-C2A-CAA-CBA
14	N	821	CLA	C15-C16-C17-C18
14	b	803	CLA	C10-C11-C12-C13
17	N	852	BCR	C19-C20-C21-C22
20	H	1702	SQD	C33-C34-C35-C36
20	h	1702	SQD	C16-C17-C18-C19
14	b	853	CLA	O1D-CGD-O2D-CED
14	N	801	CLA	O1A-CGA-O2A-C1
14	n	828	CLA	O1A-CGA-O2A-C1
14	G	828	CLA	C16-C17-C18-C19
14	N	819	CLA	C16-C17-C18-C19
14	N	833	CLA	C11-C12-C13-C14
14	g	816	CLA	C11-C12-C13-C15
14	b	806	CLA	C16-C17-C18-C20
14	b	826	CLA	C16-C17-C18-C19
14	b	829	CLA	C16-C17-C18-C19
14	A	830	CLA	O1D-CGD-O2D-CED
14	g	840	CLA	CBD-CGD-O2D-CED
14	g	854	CLA	CBD-CGD-O2D-CED
14	n	837	CLA	CBD-CGD-O2D-CED
14	a	833	CLA	C5-C6-C7-C8
20	H	1702	SQD	C16-C17-C18-C19
20	n	801	SQD	C25-C26-C27-C28

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Mol	Chain	Res	Type	Atoms
20	l	201	SQD	C31-C32-C33-C34
14	g	804	CLA	C3-C5-C6-C7
14	n	806	CLA	C3-C5-C6-C7
14	N	838	CLA	O1A-CGA-O2A-C1
14	g	836	CLA	O1A-CGA-O2A-C1
14	G	808	CLA	C4-C3-C5-C6
14	g	836	CLA	C4-C3-C5-C6
14	A	853	CLA	C4-C3-C5-C6
14	a	824	CLA	C4-C3-C5-C6
14	b	841	CLA	C4-C3-C5-C6
15	G	841	PQN	C14-C13-C15-C16
19	a	851	CL0	C4-C3-C5-C6
14	n	833	CLA	CBA-CGA-O2A-C1
14	A	853	CLA	C2-C3-C5-C6
14	B	814	CLA	C2-C3-C5-C6
14	a	824	CLA	C2-C3-C5-C6
14	a	837	CLA	C2-C3-C5-C6
19	a	851	CL0	C2-C3-C5-C6
18	A	850	LHG	C14-C15-C16-C17
18	a	850	LHG	C11-C12-C13-C14
14	a	818	CLA	O1D-CGD-O2D-CED
14	U	101	CLA	C2A-CAA-CBA-CGA
14	a	804	CLA	C2A-CAA-CBA-CGA
18	g	849	LHG	O1-C1-C2-O2
18	v	102	LHG	O1-C1-C2-O2
18	a	849	LHG	O1-C1-C2-O2
18	m	101	LHG	O1-C1-C2-O2
18	g	849	LHG	C26-C27-C28-C29
14	N	811	CLA	C16-C17-C18-C19
14	N	812	CLA	C11-C12-C13-C14
14	n	828	CLA	C16-C17-C18-C20
14	A	804	CLA	C16-C17-C18-C20
14	B	837	CLA	C11-C12-C13-C14
18	A	850	LHG	C11-C12-C13-C14
20	n	801	SQD	C11-C10-C9-C8
14	n	829	CLA	CBD-CGD-O2D-CED
14	l	202	CLA	O1D-CGD-O2D-CED
14	N	809	CLA	C13-C15-C16-C17
18	a	850	LHG	C27-C28-C29-C30
14	g	824	CLA	C3-C5-C6-C7
14	n	830	CLA	C3-C5-C6-C7
14	a	811	CLA	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
14	A	834	CLA	O1A-CGA-O2A-C1
14	A	840	CLA	O1A-CGA-O2A-C1
14	B	837	CLA	O1A-CGA-O2A-C1
14	g	806	CLA	C13-C15-C16-C17
14	n	836	CLA	CBD-CGD-O2D-CED
14	A	834	CLA	CBD-CGD-O2D-CED
18	A	851	LHG	C10-C11-C12-C13
14	N	835	CLA	C2-C1-O2A-CGA
18	A	851	LHG	C12-C13-C14-C15
18	X	1702	LHG	C12-C13-C14-C15
18	a	849	LHG	C17-C18-C19-C20
20	B	801	SQD	C13-C14-C15-C16
14	G	853	CLA	C15-C16-C17-C18
14	N	804	CLA	C15-C16-C17-C18
14	N	807	CLA	O1A-CGA-O2A-C1
14	n	811	CLA	O1A-CGA-O2A-C1
14	a	812	CLA	O1A-CGA-O2A-C1
18	A	850	LHG	C25-C26-C27-C28
18	m	101	LHG	C12-C13-C14-C15
20	B	801	SQD	C33-C34-C35-C36
21	N	850	LMG	C19-C20-C21-C22
14	N	804	CLA	C16-C17-C18-C20
15	G	841	PQN	C13-C15-C16-C17
17	G	846	BCR	C1-C6-C7-C8
17	G	846	BCR	C5-C6-C7-C8
17	G	846	BCR	C23-C24-C25-C26
17	G	846	BCR	C23-C24-C25-C30
17	G	847	BCR	C23-C24-C25-C26
17	G	847	BCR	C23-C24-C25-C30
17	G	848	BCR	C23-C24-C25-C26
17	T	103	BCR	C1-C6-C7-C8
17	T	103	BCR	C5-C6-C7-C8
17	T	104	BCR	C23-C24-C25-C26
17	T	104	BCR	C23-C24-C25-C30
17	W	201	BCR	C23-C24-C25-C26
17	W	205	BCR	C23-C24-C25-C26
17	W	205	BCR	C23-C24-C25-C30
17	Y	101	BCR	C1-C6-C7-C8
17	Y	101	BCR	C5-C6-C7-C8
17	g	845	BCR	C5-C6-C7-C8
17	g	847	BCR	C23-C24-C25-C26
17	n	843	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
17	n	844	BCR	C1-C6-C7-C8
17	n	844	BCR	C5-C6-C7-C8
17	n	851	BCR	C23-C24-C25-C26
17	t	103	BCR	C1-C6-C7-C8
17	t	103	BCR	C5-C6-C7-C8
17	t	104	BCR	C1-C6-C7-C8
17	t	104	BCR	C5-C6-C7-C8
17	t	104	BCR	C23-C24-C25-C26
17	t	104	BCR	C23-C24-C25-C30
17	w	206	BCR	C23-C24-C25-C26
17	w	206	BCR	C23-C24-C25-C30
17	y	101	BCR	C5-C6-C7-C8
17	A	847	BCR	C1-C6-C7-C8
17	A	847	BCR	C5-C6-C7-C8
17	A	848	BCR	C23-C24-C25-C26
17	A	856	BCR	C1-C6-C7-C8
17	A	856	BCR	C5-C6-C7-C8
17	A	856	BCR	C23-C24-C25-C26
17	A	856	BCR	C23-C24-C25-C30
17	B	844	BCR	C23-C24-C25-C26
17	B	844	BCR	C23-C24-C25-C30
17	B	851	BCR	C23-C24-C25-C26
17	B	851	BCR	C23-C24-C25-C30
17	J	103	BCR	C1-C6-C7-C8
17	J	103	BCR	C5-C6-C7-C8
17	I	102	BCR	C1-C6-C7-C8
17	I	102	BCR	C5-C6-C7-C8
17	I	102	BCR	C23-C24-C25-C26
17	I	102	BCR	C23-C24-C25-C30
17	I	103	BCR	C1-C6-C7-C8
17	I	103	BCR	C5-C6-C7-C8
17	I	103	BCR	C23-C24-C25-C26
17	I	103	BCR	C23-C24-C25-C30
17	M	101	BCR	C1-C6-C7-C8
17	M	101	BCR	C5-C6-C7-C8
17	a	846	BCR	C23-C24-C25-C30
17	a	847	BCR	C23-C24-C25-C26
17	a	847	BCR	C23-C24-C25-C30
17	b	843	BCR	C23-C24-C25-C26
17	b	844	BCR	C23-C24-C25-C26
17	b	845	BCR	C1-C6-C7-C8
17	b	845	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	b	846	BCR	C1-C6-C7-C8
17	j	103	BCR	C5-C6-C7-C8
17	j	104	BCR	C1-C6-C7-C8
17	j	104	BCR	C5-C6-C7-C8
17	j	104	BCR	C23-C24-C25-C30
17	l	205	BCR	C23-C24-C25-C26
17	l	205	BCR	C23-C24-C25-C30
17	m	102	BCR	C5-C6-C7-C8
20	h	1702	SQD	C32-C33-C34-C35
20	x	1702	SQD	C25-C26-C27-C28
21	N	850	LMG	C33-C34-C35-C36
14	a	840	CLA	O1D-CGD-O2D-CED
14	g	828	CLA	CBA-CGA-O2A-C1
14	B	818	CLA	CBA-CGA-O2A-C1
14	G	804	CLA	C8-C10-C11-C12
14	N	808	CLA	C10-C11-C12-C13
14	N	830	CLA	C8-C10-C11-C12
14	n	825	CLA	C8-C10-C11-C12
14	B	808	CLA	C5-C6-C7-C8
14	B	841	CLA	C15-C16-C17-C18
14	a	823	CLA	C8-C10-C11-C12
18	A	851	LHG	C8-C7-O7-C5
18	g	850	LHG	C15-C16-C17-C18
18	v	102	LHG	C7-C8-C9-C10
18	a	849	LHG	C16-C17-C18-C19
20	n	801	SQD	C17-C18-C19-C20
20	l	201	SQD	C26-C27-C28-C29
14	G	802	CLA	C13-C15-C16-C17
14	g	852	CLA	C8-C10-C11-C12
14	n	809	CLA	C15-C16-C17-C18
14	a	806	CLA	C15-C16-C17-C18
14	G	817	CLA	C4-C3-C5-C6
14	G	838	CLA	C4-C3-C5-C6
14	B	814	CLA	C4-C3-C5-C6
14	B	823	CLA	C4-C3-C5-C6
14	a	804	CLA	C4-C3-C5-C6
14	a	837	CLA	C4-C3-C5-C6
14	g	828	CLA	O1D-CGD-O2D-CED
14	g	835	CLA	O1D-CGD-O2D-CED
14	G	804	CLA	C6-C7-C8-C10
14	G	804	CLA	C12-C13-C15-C16
14	G	807	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	G	808	CLA	C2-C3-C5-C6
14	G	808	CLA	C11-C12-C13-C15
14	G	817	CLA	C2-C3-C5-C6
14	G	827	CLA	C11-C10-C8-C7
14	G	828	CLA	C12-C13-C15-C16
14	G	838	CLA	C2-C3-C5-C6
14	N	801	CLA	C12-C13-C15-C16
14	N	804	CLA	C12-C13-C15-C16
14	N	809	CLA	C6-C7-C8-C10
14	N	809	CLA	C12-C13-C15-C16
14	N	815	CLA	C11-C10-C8-C7
14	N	826	CLA	C11-C10-C8-C7
14	N	830	CLA	C11-C10-C8-C7
14	N	851	CLA	C11-C10-C8-C7
14	g	803	CLA	C6-C7-C8-C10
14	g	827	CLA	C6-C7-C8-C10
14	g	830	CLA	C11-C12-C13-C15
14	g	836	CLA	C2-C3-C5-C6
14	g	854	CLA	C6-C7-C8-C10
14	g	854	CLA	C11-C10-C8-C7
14	n	817	CLA	C12-C13-C15-C16
14	n	818	CLA	C11-C12-C13-C15
14	n	827	CLA	C6-C7-C8-C10
14	A	824	CLA	C11-C10-C8-C7
14	A	827	CLA	C6-C7-C8-C10
14	A	831	CLA	C12-C13-C15-C16
14	A	837	CLA	C12-C13-C15-C16
14	B	803	CLA	C12-C13-C15-C16
14	B	838	CLA	C2-C3-C5-C6
14	B	850	CLA	C6-C7-C8-C10
14	B	850	CLA	C11-C12-C13-C15
14	a	803	CLA	C12-C13-C15-C16
14	a	809	CLA	C11-C12-C13-C15
14	a	811	CLA	C6-C7-C8-C10
14	a	836	CLA	C12-C13-C15-C16
14	b	803	CLA	C11-C10-C8-C7
14	b	807	CLA	C12-C13-C15-C16
14	b	827	CLA	C11-C12-C13-C15
14	b	830	CLA	C11-C12-C13-C15
14	f	201	CLA	C6-C7-C8-C10
15	G	841	PQN	C12-C13-C15-C16
15	A	842	PQN	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	n	833	CLA	O1A-CGA-O2A-C1
14	B	818	CLA	O1A-CGA-O2A-C1
14	b	812	CLA	O1A-CGA-O2A-C1
14	b	841	CLA	O1A-CGA-O2A-C1
18	A	851	LHG	C32-C33-C34-C35
14	G	802	CLA	C15-C16-C17-C18
14	N	804	CLA	C5-C6-C7-C8
14	N	810	CLA	C16-C17-C18-C20
14	n	809	CLA	C16-C17-C18-C20
14	B	832	CLA	C11-C12-C13-C15
14	A	853	CLA	O1D-CGD-O2D-CED
14	N	835	CLA	CBA-CGA-O2A-C1
14	N	840	CLA	CBA-CGA-O2A-C1
14	g	837	CLA	CBA-CGA-O2A-C1
14	n	819	CLA	CBA-CGA-O2A-C1
14	n	825	CLA	CBA-CGA-O2A-C1
14	A	825	CLA	CBA-CGA-O2A-C1
14	a	832	CLA	CBA-CGA-O2A-C1
21	n	848	LMG	C16-C17-C18-C19
14	G	807	CLA	C2A-CAA-CBA-CGA
14	G	817	CLA	C2A-CAA-CBA-CGA
14	g	820	CLA	C2A-CAA-CBA-CGA
14	g	838	CLA	C2A-CAA-CBA-CGA
14	n	807	CLA	C2A-CAA-CBA-CGA
14	A	821	CLA	C2A-CAA-CBA-CGA
14	A	835	CLA	C2A-CAA-CBA-CGA
14	K	101	CLA	C2A-CAA-CBA-CGA
14	b	808	CLA	C2A-CAA-CBA-CGA
14	b	814	CLA	C2A-CAA-CBA-CGA
14	b	823	CLA	C2A-CAA-CBA-CGA
14	n	809	CLA	C5-C6-C7-C8
14	F	201	CLA	C10-C11-C12-C13
14	g	831	CLA	O1D-CGD-O2D-CED
18	v	102	LHG	C15-C16-C17-C18
20	w	202	SQD	C13-C14-C15-C16
21	b	849	LMG	C37-C38-C39-C40
14	G	835	CLA	O1D-CGD-O2D-CED
14	G	838	CLA	O1D-CGD-O2D-CED
14	g	801	CLA	O1D-CGD-O2D-CED
14	B	841	CLA	O1D-CGD-O2D-CED
14	n	804	CLA	C10-C11-C12-C13
18	G	850	LHG	C34-C35-C36-C37

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Mol	Chain	Res	Type	Atoms
18	g	850	LHG	C32-C33-C34-C35
20	B	801	SQD	C25-C26-C27-C28
14	A	826	CLA	C3-C5-C6-C7
14	b	813	CLA	CBD-CGD-O2D-CED
20	n	801	SQD	C24-C23-O48-C46
14	G	820	CLA	C16-C17-C18-C20
14	n	825	CLA	C16-C17-C18-C20
14	B	823	CLA	C6-C7-C8-C9
14	B	841	CLA	C16-C17-C18-C20
14	b	807	CLA	C16-C17-C18-C20
20	h	1702	SQD	O5-C1-O6-C44
14	g	836	CLA	C8-C10-C11-C12
14	B	837	CLA	C10-C11-C12-C13
14	b	807	CLA	C15-C16-C17-C18
14	g	820	CLA	O1D-CGD-O2D-CED
14	a	828	CLA	O1D-CGD-O2D-CED
20	x	1702	SQD	C11-C12-C13-C14
18	G	850	LHG	C8-C7-O7-C5
18	a	849	LHG	C8-C7-O7-C5
18	v	102	LHG	C28-C29-C30-C31
18	a	849	LHG	C9-C10-C11-C12
14	g	803	CLA	CBD-CGD-O2D-CED
14	G	822	CLA	C5-C6-C7-C8
20	w	202	SQD	C14-C15-C16-C17
18	A	851	LHG	O9-C7-O7-C5
14	A	817	CLA	C3-C5-C6-C7
18	A	850	LHG	C9-C10-C11-C12
20	w	202	SQD	C32-C33-C34-C35
20	B	801	SQD	C11-C12-C13-C14
14	A	804	CLA	C15-C16-C17-C18
18	G	850	LHG	O7-C5-C6-O8
18	S	202	LHG	C11-C10-C9-C8
14	B	821	CLA	CBD-CGD-O2D-CED
14	B	805	CLA	C6-C7-C8-C9
14	B	840	CLA	C16-C17-C18-C19
14	b	830	CLA	C16-C17-C18-C20
14	N	842	CLA	C15-C16-C17-C18
14	A	827	CLA	C13-C15-C16-C17
14	A	840	CLA	C4-C3-C5-C6
14	B	838	CLA	C4-C3-C5-C6
14	N	803	CLA	C2-C3-C5-C6
14	A	822	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	b	841	CLA	C2-C3-C5-C6
18	v	102	LHG	C10-C11-C12-C13
14	G	804	CLA	C14-C13-C15-C16
14	G	808	CLA	C11-C12-C13-C14
14	G	810	CLA	C11-C12-C13-C14
14	G	820	CLA	C11-C10-C8-C9
14	G	826	CLA	C11-C10-C8-C9
14	N	803	CLA	C14-C13-C15-C16
14	N	804	CLA	C14-C13-C15-C16
14	N	809	CLA	C6-C7-C8-C9
14	N	809	CLA	C14-C13-C15-C16
14	N	815	CLA	C11-C10-C8-C9
14	N	851	CLA	C11-C10-C8-C9
14	g	804	CLA	C11-C12-C13-C14
14	g	819	CLA	C11-C12-C13-C14
14	g	827	CLA	C6-C7-C8-C9
14	g	827	CLA	C14-C13-C15-C16
14	g	852	CLA	C6-C7-C8-C9
14	g	854	CLA	C6-C7-C8-C9
14	n	807	CLA	C14-C13-C15-C16
14	n	818	CLA	C6-C7-C8-C9
14	n	818	CLA	C11-C12-C13-C14
14	n	829	CLA	C14-C13-C15-C16
14	n	832	CLA	C11-C10-C8-C9
14	A	824	CLA	C11-C10-C8-C9
14	B	803	CLA	C14-C13-C15-C16
14	B	810	CLA	C6-C7-C8-C9
14	B	826	CLA	C6-C7-C8-C9
14	B	840	CLA	C11-C12-C13-C14
14	B	850	CLA	C6-C7-C8-C9
14	a	809	CLA	C11-C12-C13-C14
14	a	811	CLA	C6-C7-C8-C9
14	b	827	CLA	C14-C13-C15-C16
14	t	101	CLA	CBD-CGD-O2D-CED
14	A	826	CLA	CBD-CGD-O2D-CED
21	n	848	LMG	C40-C41-C42-C43
14	b	851	CLA	C5-C6-C7-C8
14	G	821	CLA	C2A-CAA-CBA-CGA
14	N	804	CLA	C2A-CAA-CBA-CGA
14	N	824	CLA	C2A-CAA-CBA-CGA
14	g	819	CLA	C2A-CAA-CBA-CGA
14	g	833	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	a	811	CLA	C2A-CAA-CBA-CGA
14	a	813	CLA	C2A-CAA-CBA-CGA
14	a	816	CLA	C2A-CAA-CBA-CGA
14	b	818	CLA	C2A-CAA-CBA-CGA
18	X	1702	LHG	C11-C10-C9-C8
21	N	850	LMG	C22-C23-C24-C25
17	n	842	BCR	C37-C22-C23-C24
17	A	856	BCR	C37-C22-C23-C24
17	B	847	BCR	C37-C22-C23-C24
14	g	828	CLA	O1A-CGA-O2A-C1
14	G	807	CLA	C1A-C2A-CAA-CBA
14	G	808	CLA	C1A-C2A-CAA-CBA
14	G	813	CLA	C1A-C2A-CAA-CBA
14	G	830	CLA	C1A-C2A-CAA-CBA
14	N	807	CLA	C1A-C2A-CAA-CBA
14	N	820	CLA	C1A-C2A-CAA-CBA
14	N	827	CLA	C1A-C2A-CAA-CBA
14	N	829	CLA	C1A-C2A-CAA-CBA
14	N	834	CLA	C1A-C2A-CAA-CBA
14	T	101	CLA	C1A-C2A-CAA-CBA
14	W	203	CLA	C1A-C2A-CAA-CBA
14	g	804	CLA	C1A-C2A-CAA-CBA
14	g	806	CLA	C1A-C2A-CAA-CBA
14	g	812	CLA	C1A-C2A-CAA-CBA
14	g	834	CLA	C1A-C2A-CAA-CBA
14	g	853	CLA	C1A-C2A-CAA-CBA
14	h	1701	CLA	C1A-C2A-CAA-CBA
14	n	804	CLA	C1A-C2A-CAA-CBA
14	n	809	CLA	C1A-C2A-CAA-CBA
14	n	816	CLA	C1A-C2A-CAA-CBA
14	n	818	CLA	C1A-C2A-CAA-CBA
14	n	823	CLA	C1A-C2A-CAA-CBA
14	n	827	CLA	C1A-C2A-CAA-CBA
14	n	833	CLA	C1A-C2A-CAA-CBA
14	n	850	CLA	C1A-C2A-CAA-CBA
14	s	201	CLA	C1A-C2A-CAA-CBA
14	t	101	CLA	C1A-C2A-CAA-CBA
14	A	803	CLA	C1A-C2A-CAA-CBA
14	A	805	CLA	C1A-C2A-CAA-CBA
14	A	814	CLA	C1A-C2A-CAA-CBA
14	A	815	CLA	C1A-C2A-CAA-CBA
14	A	817	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	825	CLA	C1A-C2A-CAA-CBA
14	A	830	CLA	C1A-C2A-CAA-CBA
14	A	841	CLA	C1A-C2A-CAA-CBA
14	A	855	CLA	C1A-C2A-CAA-CBA
14	B	806	CLA	C1A-C2A-CAA-CBA
14	B	811	CLA	C1A-C2A-CAA-CBA
14	B	817	CLA	C1A-C2A-CAA-CBA
14	B	818	CLA	C1A-C2A-CAA-CBA
14	B	822	CLA	C1A-C2A-CAA-CBA
14	B	831	CLA	C1A-C2A-CAA-CBA
14	B	834	CLA	C1A-C2A-CAA-CBA
14	F	201	CLA	C1A-C2A-CAA-CBA
14	J	101	CLA	C1A-C2A-CAA-CBA
14	L	1502	CLA	C1A-C2A-CAA-CBA
14	a	804	CLA	C1A-C2A-CAA-CBA
14	a	806	CLA	C1A-C2A-CAA-CBA
14	a	812	CLA	C1A-C2A-CAA-CBA
14	b	803	CLA	C1A-C2A-CAA-CBA
14	b	811	CLA	C1A-C2A-CAA-CBA
14	b	817	CLA	C1A-C2A-CAA-CBA
14	b	822	CLA	C1A-C2A-CAA-CBA
14	b	827	CLA	C1A-C2A-CAA-CBA
14	G	810	CLA	C16-C17-C18-C20
14	G	820	CLA	C16-C17-C18-C19
14	n	809	CLA	C16-C17-C18-C19
14	n	822	CLA	C6-C7-C8-C9
14	n	825	CLA	C16-C17-C18-C19
14	n	828	CLA	C16-C17-C18-C19
14	n	837	CLA	C16-C17-C18-C20
14	A	804	CLA	C16-C17-C18-C19
14	B	805	CLA	C6-C7-C8-C10
14	B	823	CLA	C6-C7-C8-C10
14	B	841	CLA	C16-C17-C18-C19
14	a	816	CLA	C11-C12-C13-C15
14	b	807	CLA	C16-C17-C18-C19
14	b	823	CLA	C6-C7-C8-C10
14	l	203	CLA	C11-C12-C13-C14
19	g	851	CL0	C16-C17-C18-C20
18	a	849	LHG	O9-C7-O7-C5
14	G	820	CLA	C13-C15-C16-C17
14	g	807	CLA	C5-C6-C7-C8
14	A	831	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	a	816	CLA	C10-C11-C12-C13
18	S	202	LHG	C3-O3-P-O6
18	v	102	LHG	C3-O3-P-O6
18	a	850	LHG	C3-O3-P-O6
18	a	850	LHG	C25-C26-C27-C28
21	N	850	LMG	O6-C5-C6-O5
14	n	820	CLA	CBD-CGD-O2D-CED
14	n	830	CLA	CBD-CGD-O2D-CED
14	N	805	CLA	C10-C11-C12-C13
14	n	803	CLA	C8-C10-C11-C12
14	A	805	CLA	C5-C6-C7-C8
18	a	850	LHG	C24-C23-O8-C6
14	n	852	CLA	O1D-CGD-O2D-CED
18	X	1702	LHG	C28-C29-C30-C31
14	b	838	CLA	C10-C11-C12-C13
14	g	819	CLA	C16-C17-C18-C19
14	b	841	CLA	C16-C17-C18-C20
21	B	849	LMG	C23-C24-C25-C26
18	a	849	LHG	C31-C32-C33-C34
20	h	1702	SQD	C23-C24-C25-C26
20	x	1702	SQD	C7-C8-C9-C10
18	A	851	LHG	C27-C28-C29-C30
20	w	202	SQD	C30-C31-C32-C33
20	b	801	SQD	C9-C10-C11-C12
21	N	850	LMG	C20-C21-C22-C23
21	B	849	LMG	O6-C5-C6-O5
15	A	842	PQN	C14-C13-C15-C16
18	A	851	LHG	C26-C27-C28-C29
18	a	850	LHG	C28-C29-C30-C31
21	N	850	LMG	C23-C24-C25-C26
14	n	803	CLA	C13-C15-C16-C17
18	g	850	LHG	C11-C12-C13-C14
18	m	101	LHG	C17-C18-C19-C20
18	m	101	LHG	C7-C8-C9-C10
14	N	840	CLA	O1A-CGA-O2A-C1
14	g	837	CLA	O1A-CGA-O2A-C1
14	A	825	CLA	O1A-CGA-O2A-C1
14	a	832	CLA	O1A-CGA-O2A-C1
18	a	850	LHG	C34-C35-C36-C37
14	G	816	CLA	C8-C10-C11-C12
14	n	808	CLA	C13-C15-C16-C17
14	g	826	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	n	827	CLA	C2A-CAA-CBA-CGA
14	b	811	CLA	C2A-CAA-CBA-CGA
14	b	839	CLA	C2A-CAA-CBA-CGA
14	G	812	CLA	C11-C12-C13-C15
14	b	810	CLA	C16-C17-C18-C19
14	N	841	CLA	C3-C5-C6-C7
14	n	832	CLA	C3-C5-C6-C7
14	b	840	CLA	C3-C5-C6-C7
15	A	842	PQN	C13-C15-C16-C17
18	A	850	LHG	C4-C5-C6-O8
18	X	1702	LHG	C32-C33-C34-C35
18	a	850	LHG	C4-C5-C6-O8
20	h	1702	SQD	C44-C45-C46-O48
20	w	202	SQD	C44-C45-C46-O48
20	l	201	SQD	C44-C45-C46-O48
14	b	806	CLA	C15-C16-C17-C18
20	h	1702	SQD	C26-C27-C28-C29
14	n	825	CLA	O1A-CGA-O2A-C1
14	G	803	CLA	C6-C7-C8-C9
14	g	824	CLA	C6-C7-C8-C9
14	g	801	CLA	C15-C16-C17-C18
14	a	827	CLA	C5-C6-C7-C8
20	l	201	SQD	C13-C14-C15-C16
14	a	838	CLA	O1D-CGD-O2D-CED
21	n	848	LMG	O6-C5-C6-O5
14	N	835	CLA	O1A-CGA-O2A-C1
14	A	816	CLA	C3-C5-C6-C7
21	B	802	LMG	O6-C1-O1-C7
14	g	804	CLA	C15-C16-C17-C18
18	A	850	LHG	O1-C1-C2-O2
18	a	850	LHG	O1-C1-C2-O2
18	a	849	LHG	C34-C35-C36-C37
20	H	1702	SQD	C27-C28-C29-C30
21	n	848	LMG	C41-C42-C43-C44
14	B	827	CLA	C8-C10-C11-C12
20	B	801	SQD	C16-C17-C18-C19
18	a	849	LHG	C11-C12-C13-C14
20	w	202	SQD	C11-C10-C9-C8
14	N	810	CLA	C15-C16-C17-C18
14	n	808	CLA	C15-C16-C17-C18
14	B	837	CLA	C8-C10-C11-C12
21	b	849	LMG	O6-C5-C6-O5

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Mol	Chain	Res	Type	Atoms
14	s	201	CLA	C4-C3-C5-C6
14	g	818	CLA	C6-C7-C8-C9
21	B	802	LMG	C28-C29-C30-C31
14	N	806	CLA	C6-C7-C8-C9
14	N	821	CLA	C16-C17-C18-C20
14	g	826	CLA	C16-C17-C18-C19
14	G	837	CLA	CBA-CGA-O2A-C1
14	g	854	CLA	CBA-CGA-O2A-C1
14	h	1701	CLA	CBA-CGA-O2A-C1
14	n	837	CLA	CBA-CGA-O2A-C1
14	b	829	CLA	CBA-CGA-O2A-C1
19	G	851	CL0	CBA-CGA-O2A-C1
14	n	830	CLA	C6-C7-C8-C9
18	g	849	LHG	C34-C35-C36-C37
14	w	203	CLA	CBD-CGD-O2D-CED
14	n	837	CLA	C5-C6-C7-C8
14	l	203	CLA	C8-C10-C11-C12
19	G	851	CL0	C5-C6-C7-C8
14	G	830	CLA	C6-C7-C8-C9
14	b	827	CLA	O1D-CGD-O2D-CED
14	N	831	CLA	C2A-CAA-CBA-CGA
14	g	854	CLA	C2A-CAA-CBA-CGA
14	A	827	CLA	C2A-CAA-CBA-CGA
14	A	839	CLA	C2-C1-O2A-CGA
21	b	849	LMG	C16-C17-C18-C19
14	b	820	CLA	O1D-CGD-O2D-CED
18	g	850	LHG	C35-C36-C37-C38
14	g	808	CLA	O1D-CGD-O2D-CED
14	G	822	CLA	C6-C7-C8-C9
20	h	1702	SQD	C10-C11-C12-C13
14	N	825	CLA	CBA-CGA-O2A-C1
14	g	829	CLA	CBA-CGA-O2A-C1
14	X	1701	CLA	CBA-CGA-O2A-C1
14	n	819	CLA	O1A-CGA-O2A-C1
20	n	801	SQD	O10-C23-O48-C46
18	g	849	LHG	O6-C4-C5-O7
14	B	832	CLA	O1D-CGD-O2D-CED
14	G	831	CLA	C16-C17-C18-C20
14	n	837	CLA	C16-C17-C18-C19
14	G	831	CLA	C15-C16-C17-C18
14	g	830	CLA	C10-C11-C12-C13
14	b	803	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	b	837	CLA	C5-C6-C7-C8
18	g	849	LHG	C13-C14-C15-C16
14	B	838	CLA	C3-C5-C6-C7
20	b	801	SQD	C7-C8-C9-C10
14	A	853	CLA	C5-C6-C7-C8
20	H	1702	SQD	C30-C31-C32-C33
20	H	1702	SQD	O6-C44-C45-O47
20	x	1702	SQD	O47-C45-C46-O48
14	G	829	CLA	O1D-CGD-O2D-CED
14	g	823	CLA	C13-C15-C16-C17
14	A	832	CLA	C10-C11-C12-C13
14	G	837	CLA	O1A-CGA-O2A-C1
18	a	850	LHG	O10-C23-O8-C6
19	G	851	CL0	O1A-CGA-O2A-C1
14	g	802	CLA	C5-C6-C7-C8
18	A	851	LHG	C17-C18-C19-C20
20	H	1702	SQD	C13-C14-C15-C16
20	w	202	SQD	C9-C10-C11-C12
14	g	852	CLA	C4-C3-C5-C6
14	b	809	CLA	C13-C15-C16-C17
14	G	808	CLA	C11-C10-C8-C7
14	G	810	CLA	C11-C10-C8-C7
14	G	810	CLA	C11-C12-C13-C15
14	G	818	CLA	C12-C13-C15-C16
14	G	826	CLA	C11-C10-C8-C7
14	G	832	CLA	C12-C13-C15-C16
14	N	801	CLA	C6-C7-C8-C10
14	N	821	CLA	C11-C12-C13-C15
14	N	826	CLA	C11-C12-C13-C15
14	N	827	CLA	C6-C7-C8-C10
14	N	831	CLA	C12-C13-C15-C16
14	N	851	CLA	C6-C7-C8-C10
14	g	827	CLA	C12-C13-C15-C16
14	g	828	CLA	C11-C10-C8-C7
14	g	837	CLA	C6-C7-C8-C10
14	g	838	CLA	C12-C13-C15-C16
14	g	852	CLA	C6-C7-C8-C10
14	n	802	CLA	C6-C7-C8-C10
14	n	802	CLA	C12-C13-C15-C16
14	n	803	CLA	C6-C7-C8-C10
14	n	807	CLA	C12-C13-C15-C16
14	n	813	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	n	818	CLA	C6-C7-C8-C10
14	n	824	CLA	C11-C10-C8-C7
14	s	201	CLA	C2-C3-C5-C6
14	A	802	CLA	C12-C13-C15-C16
14	A	807	CLA	C11-C10-C8-C7
14	A	808	CLA	C11-C12-C13-C15
14	A	810	CLA	C11-C12-C13-C15
14	A	832	CLA	C12-C13-C15-C16
14	A	838	CLA	C11-C12-C13-C15
14	A	840	CLA	C6-C7-C8-C10
14	B	806	CLA	C11-C12-C13-C15
14	B	808	CLA	C12-C13-C15-C16
14	B	810	CLA	C6-C7-C8-C10
14	B	823	CLA	C2-C3-C5-C6
14	B	825	CLA	C11-C10-C8-C7
14	B	826	CLA	C6-C7-C8-C10
14	B	827	CLA	C12-C13-C15-C16
14	B	832	CLA	C6-C7-C8-C10
14	B	833	CLA	C11-C10-C8-C7
14	B	840	CLA	C11-C12-C13-C15
14	a	804	CLA	C11-C10-C8-C7
14	a	826	CLA	C12-C13-C15-C16
14	a	828	CLA	C11-C10-C8-C7
14	a	831	CLA	C12-C13-C15-C16
14	b	806	CLA	C12-C13-C15-C16
14	b	818	CLA	C6-C7-C8-C10
14	b	827	CLA	C12-C13-C15-C16
14	b	833	CLA	C6-C7-C8-C10
14	b	833	CLA	C11-C10-C8-C7
19	a	851	CL0	C11-C10-C8-C7
14	a	805	CLA	C3-C5-C6-C7
14	g	854	CLA	O1A-CGA-O2A-C1
18	X	1702	LHG	C26-C27-C28-C29
14	G	802	CLA	C11-C12-C13-C14
14	G	802	CLA	C14-C13-C15-C16
14	G	806	CLA	C11-C10-C8-C9
14	G	816	CLA	C6-C7-C8-C9
14	G	818	CLA	C14-C13-C15-C16
14	G	828	CLA	C14-C13-C15-C16
14	G	831	CLA	C11-C12-C13-C14
14	G	832	CLA	C14-C13-C15-C16
14	G	833	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	G	853	CLA	C14-C13-C15-C16
14	N	801	CLA	C6-C7-C8-C9
14	N	820	CLA	C6-C7-C8-C9
14	N	851	CLA	C6-C7-C8-C9
14	g	838	CLA	C11-C10-C8-C9
14	g	838	CLA	C14-C13-C15-C16
14	g	854	CLA	C11-C12-C13-C14
14	n	809	CLA	C11-C12-C13-C14
14	n	813	CLA	C11-C10-C8-C9
14	n	823	CLA	C14-C13-C15-C16
14	n	824	CLA	C11-C10-C8-C9
14	A	805	CLA	C14-C13-C15-C16
14	A	808	CLA	C11-C12-C13-C14
14	A	810	CLA	C11-C12-C13-C14
14	A	811	CLA	C6-C7-C8-C9
14	A	818	CLA	C14-C13-C15-C16
14	A	832	CLA	C14-C13-C15-C16
14	A	838	CLA	C11-C12-C13-C14
14	A	840	CLA	C6-C7-C8-C9
14	B	808	CLA	C14-C13-C15-C16
14	B	810	CLA	C11-C10-C8-C9
14	B	825	CLA	C11-C10-C8-C9
14	B	825	CLA	C14-C13-C15-C16
14	B	827	CLA	C14-C13-C15-C16
14	B	833	CLA	C11-C10-C8-C9
14	B	841	CLA	C11-C10-C8-C9
14	B	850	CLA	C11-C10-C8-C9
14	a	801	CLA	C11-C12-C13-C14
14	a	803	CLA	C14-C13-C15-C16
14	a	804	CLA	C11-C10-C8-C9
14	a	804	CLA	C14-C13-C15-C16
14	a	806	CLA	C11-C12-C13-C14
14	a	819	CLA	C6-C7-C8-C9
14	a	825	CLA	C6-C7-C8-C9
14	a	825	CLA	C11-C10-C8-C9
14	a	827	CLA	C14-C13-C15-C16
14	a	831	CLA	C14-C13-C15-C16
14	a	838	CLA	C11-C10-C8-C9
14	b	806	CLA	C14-C13-C15-C16
14	b	818	CLA	C14-C13-C15-C16
14	b	827	CLA	C11-C12-C13-C14
14	b	833	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	b	833	CLA	C11-C10-C8-C9
14	l	203	CLA	C11-C10-C8-C9
18	G	849	LHG	C17-C18-C19-C20
20	h	1702	SQD	C31-C32-C33-C34
20	n	801	SQD	C31-C32-C33-C34
21	N	850	LMG	C35-C36-C37-C38
14	n	817	CLA	CBA-CGA-O2A-C1
14	n	824	CLA	CBA-CGA-O2A-C1
14	a	837	CLA	CBA-CGA-O2A-C1
14	b	824	CLA	CBA-CGA-O2A-C1
18	S	202	LHG	C24-C23-O8-C6
18	g	849	LHG	C24-C23-O8-C6
14	n	806	CLA	C5-C6-C7-C8
14	b	853	CLA	C5-C6-C7-C8
14	b	838	CLA	O1D-CGD-O2D-CED
14	N	809	CLA	C2A-CAA-CBA-CGA
14	n	852	CLA	C2A-CAA-CBA-CGA
14	A	812	CLA	C2A-CAA-CBA-CGA
14	b	803	CLA	C2A-CAA-CBA-CGA
14	A	801	CLA	O1D-CGD-O2D-CED
14	b	815	CLA	O1D-CGD-O2D-CED
17	N	847	BCR	C7-C8-C9-C34
17	I	102	BCR	C36-C18-C19-C20
17	l	206	BCR	C11-C12-C13-C35
14	a	836	CLA	C10-C11-C12-C13
14	G	826	CLA	C16-C17-C18-C20
14	N	806	CLA	C6-C7-C8-C10
14	g	826	CLA	C16-C17-C18-C20
17	G	843	BCR	C11-C12-C13-C14
17	g	847	BCR	C7-C8-C9-C10
17	A	844	BCR	C11-C12-C13-C14
17	I	102	BCR	C17-C18-C19-C20
14	a	802	CLA	C6-C7-C8-C9
20	n	801	SQD	C26-C27-C28-C29
14	A	807	CLA	C3-C5-C6-C7
14	g	833	CLA	O1D-CGD-O2D-CED
14	n	832	CLA	O1D-CGD-O2D-CED
18	a	850	LHG	C1-C2-C3-O3
14	B	810	CLA	C8-C10-C11-C12
18	a	850	LHG	C35-C36-C37-C38
20	B	801	SQD	C27-C28-C29-C30
14	N	831	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B	840	CLA	CBA-CGA-O2A-C1
14	a	823	CLA	CBA-CGA-O2A-C1
14	b	825	CLA	CBA-CGA-O2A-C1
14	b	826	CLA	CBA-CGA-O2A-C1
14	A	816	CLA	C11-C12-C13-C14
14	a	815	CLA	C11-C12-C13-C14
14	a	818	CLA	C6-C7-C8-C9
14	G	820	CLA	C5-C6-C7-C8
14	g	819	CLA	C10-C11-C12-C13
14	g	828	CLA	C5-C6-C7-C8
14	A	804	CLA	C10-C11-C12-C13
14	A	831	CLA	C13-C15-C16-C17
14	a	830	CLA	C10-C11-C12-C13
20	H	1702	SQD	C10-C11-C12-C13
21	n	848	LMG	C11-C12-C13-C14
21	B	849	LMG	C29-C30-C31-C32
14	h	1701	CLA	O1A-CGA-O2A-C1
14	a	853	CLA	CBD-CGD-O2D-CED
14	N	821	CLA	C16-C17-C18-C19
14	g	801	CLA	C16-C17-C18-C19
14	G	804	CLA	C15-C16-C17-C18
14	B	809	CLA	C5-C6-C7-C8
18	m	101	LHG	O6-C4-C5-C6
18	g	850	LHG	C12-C13-C14-C15
18	A	851	LHG	C30-C31-C32-C33
14	s	201	CLA	C8-C10-C11-C12
14	a	805	CLA	C5-C6-C7-C8
14	N	827	CLA	C4-C3-C5-C6
14	g	827	CLA	C4-C3-C5-C6
14	n	802	CLA	C4-C3-C5-C6
14	A	808	CLA	C4-C3-C5-C6
14	a	815	CLA	C4-C3-C5-C6
14	b	814	CLA	C4-C3-C5-C6
14	g	852	CLA	C2-C3-C5-C6
14	N	839	CLA	O1D-CGD-O2D-CED
14	n	832	CLA	C10-C11-C12-C13
14	A	827	CLA	C5-C6-C7-C8
14	b	809	CLA	C8-C10-C11-C12
14	b	833	CLA	C10-C11-C12-C13
18	G	850	LHG	O9-C7-O7-C5
14	N	838	CLA	O1D-CGD-O2D-CED
14	A	802	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	809	CLA	O1D-CGD-O2D-CED
14	G	853	CLA	C3-C5-C6-C7
14	a	826	CLA	C16-C17-C18-C19
15	a	841	PQN	C26-C27-C28-C29
14	B	812	CLA	C6-C7-C8-C9
14	G	837	CLA	C10-C11-C12-C13
14	B	841	CLA	C13-C15-C16-C17
14	a	836	CLA	C13-C15-C16-C17
14	H	1701	CLA	CBA-CGA-O2A-C1
14	n	805	CLA	CBA-CGA-O2A-C1
14	A	833	CLA	CBA-CGA-O2A-C1
14	b	806	CLA	CBA-CGA-O2A-C1
18	A	850	LHG	C7-C8-C9-C10
14	N	832	CLA	C6-C7-C8-C9
18	m	101	LHG	C2-C3-O3-P
14	b	828	CLA	CBD-CGD-O2D-CED
14	G	801	CLA	C3A-C2A-CAA-CBA
14	G	805	CLA	C3A-C2A-CAA-CBA
14	G	813	CLA	C3A-C2A-CAA-CBA
14	G	822	CLA	C3A-C2A-CAA-CBA
14	N	803	CLA	C3A-C2A-CAA-CBA
14	N	806	CLA	C3A-C2A-CAA-CBA
14	N	833	CLA	C3A-C2A-CAA-CBA
14	W	203	CLA	C3A-C2A-CAA-CBA
14	g	807	CLA	C3A-C2A-CAA-CBA
14	g	812	CLA	C3A-C2A-CAA-CBA
14	g	821	CLA	C3A-C2A-CAA-CBA
14	g	834	CLA	C3A-C2A-CAA-CBA
14	n	814	CLA	C3A-C2A-CAA-CBA
14	n	817	CLA	C3A-C2A-CAA-CBA
14	n	828	CLA	C3A-C2A-CAA-CBA
14	n	834	CLA	C3A-C2A-CAA-CBA
14	n	840	CLA	C3A-C2A-CAA-CBA
14	w	205	CLA	C3A-C2A-CAA-CBA
14	A	803	CLA	C3A-C2A-CAA-CBA
14	B	813	CLA	C3A-C2A-CAA-CBA
14	B	835	CLA	C3A-C2A-CAA-CBA
14	a	812	CLA	C3A-C2A-CAA-CBA
14	b	831	CLA	C3A-C2A-CAA-CBA
14	b	853	CLA	C3A-C2A-CAA-CBA
14	l	204	CLA	C3A-C2A-CAA-CBA
14	A	838	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
21	B	849	LMG	C30-C31-C32-C33
14	b	831	CLA	C6-C7-C8-C9
14	N	841	CLA	O1D-CGD-O2D-CED
14	G	810	CLA	C15-C16-C17-C18
14	A	828	CLA	C5-C6-C7-C8
14	A	831	CLA	C10-C11-C12-C13
18	A	851	LHG	C9-C10-C11-C12
14	G	812	CLA	C11-C12-C13-C14
14	G	825	CLA	C6-C7-C8-C9
20	b	801	SQD	C15-C16-C17-C18
21	b	849	LMG	C19-C20-C21-C22
14	g	825	CLA	C10-C11-C12-C13
14	n	827	CLA	C15-C16-C17-C18
14	B	840	CLA	C15-C16-C17-C18
14	n	831	CLA	O1D-CGD-O2D-CED
18	G	850	LHG	C4-C5-C6-O8
18	S	202	LHG	C4-C5-C6-O8
18	m	101	LHG	C4-C5-C6-O8
20	x	1702	SQD	C44-C45-C46-O48
21	B	849	LMG	C7-C8-C9-O8
14	A	854	CLA	CBD-CGD-O2D-CED
18	G	849	LHG	C28-C29-C30-C31
18	a	849	LHG	C26-C27-C28-C29
14	n	837	CLA	O1A-CGA-O2A-C1
18	g	849	LHG	C19-C20-C21-C22
20	x	1702	SQD	C16-C17-C18-C19
14	b	833	CLA	CAA-CBA-CGA-O2A
21	B	849	LMG	C39-C40-C41-C42
14	X	1701	CLA	O1A-CGA-O2A-C1
14	B	826	CLA	C15-C16-C17-C18
14	A	828	CLA	C4-C3-C5-C6
14	b	810	CLA	C4-C3-C5-C6
14	G	826	CLA	C16-C17-C18-C19
14	N	827	CLA	C2-C3-C5-C6
14	g	829	CLA	C6-C7-C8-C9
14	a	812	CLA	C6-C7-C8-C9
14	N	828	CLA	C15-C16-C17-C18
18	G	850	LHG	C3-O3-P-O6
14	g	829	CLA	O1A-CGA-O2A-C1
14	N	814	CLA	C6-C7-C8-C9
18	S	202	LHG	C25-C26-C27-C28
14	n	829	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	825	CLA	O1D-CGD-O2D-CED
14	g	827	CLA	C2A-CAA-CBA-CGA
14	A	807	CLA	C2A-CAA-CBA-CGA
18	G	849	LHG	O1-C1-C2-O2
18	S	202	LHG	O1-C1-C2-O2
18	X	1702	LHG	O1-C1-C2-O2
14	B	806	CLA	C10-C11-C12-C13
18	g	849	LHG	C31-C32-C33-C34
18	X	1702	LHG	O6-C4-C5-O7
14	A	811	CLA	CBA-CGA-O2A-C1
14	B	829	CLA	CBA-CGA-O2A-C1
14	g	833	CLA	C6-C7-C8-C9
20	h	1702	SQD	C30-C31-C32-C33
20	x	1702	SQD	C30-C31-C32-C33
14	b	829	CLA	O1A-CGA-O2A-C1
14	G	837	CLA	C16-C17-C18-C20
14	N	842	CLA	C13-C15-C16-C17
14	n	832	CLA	C5-C6-C7-C8
14	g	806	CLA	C15-C16-C17-C18
14	b	826	CLA	C15-C16-C17-C18
14	N	825	CLA	O1A-CGA-O2A-C1
14	a	837	CLA	O1A-CGA-O2A-C1
14	N	821	CLA	O1D-CGD-O2D-CED
18	G	850	LHG	C14-C15-C16-C17
18	v	102	LHG	O7-C5-C6-O8
18	a	850	LHG	O7-C5-C6-O8
14	n	850	CLA	CBD-CGD-O2D-CED
14	g	854	CLA	O1D-CGD-O2D-CED
14	b	814	CLA	CAA-CBA-CGA-O2A
18	G	849	LHG	C29-C30-C31-C32
20	n	801	SQD	C29-C30-C31-C32
14	G	831	CLA	C16-C17-C18-C19
14	A	803	CLA	C6-C7-C8-C9
18	A	850	LHG	C15-C16-C17-C18
18	X	1702	LHG	C10-C11-C12-C13
18	X	1702	LHG	C31-C32-C33-C34
20	x	1702	SQD	C26-C27-C28-C29
14	G	826	CLA	C10-C11-C12-C13
14	n	827	CLA	C10-C11-C12-C13
14	a	828	CLA	C5-C6-C7-C8
14	A	817	CLA	CBD-CGD-O2D-CED
14	G	812	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	N	801	CLA	C2-C1-O2A-CGA
14	N	807	CLA	C2-C1-O2A-CGA
14	S	201	CLA	C2-C1-O2A-CGA
14	A	827	CLA	C2-C1-O2A-CGA
14	a	802	CLA	C2-C1-O2A-CGA
14	n	837	CLA	O1D-CGD-O2D-CED
14	A	834	CLA	O1D-CGD-O2D-CED
14	g	827	CLA	C2-C3-C5-C6
14	A	808	CLA	C2-C3-C5-C6
14	b	814	CLA	C2-C3-C5-C6
21	B	849	LMG	C13-C14-C15-C16
14	b	824	CLA	O1A-CGA-O2A-C1
14	G	806	CLA	C6-C7-C8-C9
14	G	824	CLA	C14-C13-C15-C16
14	G	837	CLA	C11-C10-C8-C9
14	N	807	CLA	C6-C7-C8-C9
14	N	833	CLA	C6-C7-C8-C9
14	W	203	CLA	C6-C7-C8-C9
14	g	809	CLA	C6-C7-C8-C9
14	g	809	CLA	C14-C13-C15-C16
14	g	817	CLA	C11-C10-C8-C9
14	g	830	CLA	C14-C13-C15-C16
14	g	838	CLA	C6-C7-C8-C9
14	g	839	CLA	C11-C12-C13-C14
14	n	806	CLA	C6-C7-C8-C9
14	n	829	CLA	C11-C10-C8-C9
14	A	802	CLA	C11-C12-C13-C14
14	B	807	CLA	C14-C13-C15-C16
14	B	824	CLA	C14-C13-C15-C16
14	B	832	CLA	C6-C7-C8-C9
14	L	1502	CLA	C6-C7-C8-C9
14	a	803	CLA	C11-C10-C8-C9
14	a	804	CLA	C11-C12-C13-C14
14	a	815	CLA	C11-C10-C8-C9
14	a	817	CLA	C14-C13-C15-C16
14	a	819	CLA	C11-C10-C8-C9
14	a	837	CLA	C11-C10-C8-C9
14	b	804	CLA	C6-C7-C8-C9
14	b	804	CLA	C11-C10-C8-C9
14	b	811	CLA	C11-C10-C8-C9
14	b	838	CLA	C14-C13-C15-C16
14	f	201	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	s	201	CLA	C11-C12-C13-C14
14	a	835	CLA	CBD-CGD-O2D-CED
14	G	828	CLA	C13-C15-C16-C17
14	G	829	CLA	C10-C11-C12-C13
14	B	806	CLA	C15-C16-C17-C18
14	B	850	CLA	C8-C10-C11-C12
14	b	820	CLA	C8-C10-C11-C12
18	X	1702	LHG	C2-C3-O3-P
14	N	831	CLA	O1A-CGA-O2A-C1
14	n	824	CLA	O1A-CGA-O2A-C1
18	g	849	LHG	O10-C23-O8-C6
14	N	822	CLA	C2A-CAA-CBA-CGA
14	g	815	CLA	C2A-CAA-CBA-CGA
14	n	831	CLA	C2A-CAA-CBA-CGA
14	A	841	CLA	C2A-CAA-CBA-CGA
14	a	814	CLA	C2A-CAA-CBA-CGA
14	a	853	CLA	C2A-CAA-CBA-CGA
14	x	1701	CLA	C2A-CAA-CBA-CGA
14	b	821	CLA	C2A-CAA-CBA-CGA
14	N	842	CLA	C16-C17-C18-C20
14	g	811	CLA	C11-C12-C13-C14
14	n	806	CLA	C16-C17-C18-C20
14	l	203	CLA	C11-C12-C13-C15
17	G	845	BCR	C5-C6-C7-C8
17	W	201	BCR	C23-C24-C25-C30
17	g	845	BCR	C1-C6-C7-C8
17	g	846	BCR	C1-C6-C7-C8
17	g	846	BCR	C5-C6-C7-C8
17	g	848	BCR	C23-C24-C25-C26
17	g	848	BCR	C23-C24-C25-C30
17	n	843	BCR	C5-C6-C7-C8
17	A	849	BCR	C23-C24-C25-C26
17	B	843	BCR	C5-C6-C7-C8
17	a	848	BCR	C23-C24-C25-C26
17	a	848	BCR	C23-C24-C25-C30
17	b	844	BCR	C1-C6-C7-C8
17	b	844	BCR	C5-C6-C7-C8
17	b	850	BCR	C1-C6-C7-C8
17	b	850	BCR	C5-C6-C7-C8
14	B	824	CLA	C10-C11-C12-C13
14	b	805	CLA	C10-C11-C12-C13
14	n	832	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	a	823	CLA	O1A-CGA-O2A-C1
14	g	840	CLA	O1D-CGD-O2D-CED
17	G	844	BCR	C21-C22-C23-C24
17	N	847	BCR	C17-C18-C19-C20
17	a	847	BCR	C7-C8-C9-C10
17	b	847	BCR	C7-C8-C9-C10
17	m	102	BCR	C7-C8-C9-C10
14	N	827	CLA	C8-C10-C11-C12
14	B	811	CLA	C10-C11-C12-C13
18	G	850	LHG	C7-C8-C9-C10
18	S	202	LHG	C27-C28-C29-C30
14	G	810	CLA	C16-C17-C18-C19
14	a	826	CLA	C16-C17-C18-C20
14	g	854	CLA	C5-C6-C7-C8
14	B	815	CLA	O1D-CGD-O2D-CED
14	G	816	CLA	C11-C12-C13-C14
18	S	202	LHG	O10-C23-O8-C6
14	n	836	CLA	O1D-CGD-O2D-CED
20	l	201	SQD	C12-C13-C14-C15
14	b	804	CLA	C15-C16-C17-C18
14	b	825	CLA	C13-C15-C16-C17
15	a	841	PQN	C25-C26-C27-C28
18	g	850	LHG	O6-C4-C5-C6
18	v	102	LHG	O6-C4-C5-C6
18	a	849	LHG	C23-C24-C25-C26
14	G	802	CLA	C11-C12-C13-C15
14	G	805	CLA	C12-C13-C15-C16
14	G	806	CLA	C6-C7-C8-C10
14	G	812	CLA	C11-C10-C8-C7
14	G	816	CLA	C6-C7-C8-C10
14	G	816	CLA	C11-C10-C8-C7
14	G	824	CLA	C12-C13-C15-C16
14	G	826	CLA	C11-C12-C13-C15
14	G	831	CLA	C11-C12-C13-C15
14	G	833	CLA	C12-C13-C15-C16
14	G	837	CLA	C12-C13-C15-C16
14	G	853	CLA	C12-C13-C15-C16
14	N	820	CLA	C6-C7-C8-C10
14	N	820	CLA	C11-C10-C8-C7
14	N	833	CLA	C6-C7-C8-C10
14	N	851	CLA	C11-C12-C13-C15
14	g	804	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	g	807	CLA	C11-C12-C13-C15
14	g	809	CLA	C6-C7-C8-C10
14	g	817	CLA	C11-C10-C8-C7
14	g	823	CLA	C12-C13-C15-C16
14	g	825	CLA	C12-C13-C15-C16
14	g	838	CLA	C11-C10-C8-C7
14	g	854	CLA	C11-C12-C13-C15
14	n	806	CLA	C6-C7-C8-C10
14	n	809	CLA	C11-C12-C13-C15
14	n	810	CLA	C11-C10-C8-C7
14	n	813	CLA	C11-C10-C8-C7
14	n	823	CLA	C6-C7-C8-C10
14	n	823	CLA	C11-C10-C8-C7
14	n	832	CLA	C6-C7-C8-C10
14	n	832	CLA	C11-C12-C13-C15
14	n	837	CLA	C11-C12-C13-C15
14	n	837	CLA	C12-C13-C15-C16
14	n	850	CLA	C6-C7-C8-C10
14	w	204	CLA	C11-C10-C8-C7
14	A	805	CLA	C12-C13-C15-C16
14	A	811	CLA	C6-C7-C8-C10
14	A	818	CLA	C12-C13-C15-C16
14	A	826	CLA	C12-C13-C15-C16
14	A	831	CLA	C11-C12-C13-C15
14	A	837	CLA	C6-C7-C8-C10
14	A	853	CLA	C11-C10-C8-C7
14	A	854	CLA	C6-C7-C8-C10
14	A	854	CLA	C12-C13-C15-C16
14	B	807	CLA	C6-C7-C8-C10
14	B	809	CLA	C6-C7-C8-C10
14	B	810	CLA	C11-C10-C8-C7
14	B	818	CLA	C6-C7-C8-C10
14	B	818	CLA	C11-C12-C13-C15
14	B	819	CLA	C6-C7-C8-C10
14	B	819	CLA	C11-C10-C8-C7
14	B	825	CLA	C12-C13-C15-C16
14	B	827	CLA	C6-C7-C8-C10
14	B	841	CLA	C6-C7-C8-C10
14	B	841	CLA	C11-C10-C8-C7
14	B	850	CLA	C11-C10-C8-C7
14	a	801	CLA	C11-C12-C13-C15
14	a	803	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	a	804	CLA	C11-C12-C13-C15
14	a	804	CLA	C12-C13-C15-C16
14	a	806	CLA	C11-C12-C13-C15
14	a	817	CLA	C12-C13-C15-C16
14	a	825	CLA	C11-C10-C8-C7
14	a	827	CLA	C12-C13-C15-C16
14	a	838	CLA	C11-C10-C8-C7
14	a	839	CLA	C11-C10-C8-C7
14	b	802	CLA	C11-C12-C13-C15
14	b	804	CLA	C11-C10-C8-C7
14	b	814	CLA	C12-C13-C15-C16
14	b	818	CLA	C12-C13-C15-C16
14	b	819	CLA	C6-C7-C8-C10
14	b	833	CLA	C11-C12-C13-C15
14	b	838	CLA	C12-C13-C15-C16
14	l	203	CLA	C11-C10-C8-C7
14	n	817	CLA	O1A-CGA-O2A-C1
18	g	849	LHG	C28-C29-C30-C31
14	G	838	CLA	C15-C16-C17-C18
14	N	833	CLA	C5-C6-C7-C8
14	g	809	CLA	C10-C11-C12-C13
17	B	846	BCR	C19-C20-C21-C22
17	b	846	BCR	C15-C16-C17-C18
14	G	837	CLA	C16-C17-C18-C19
14	g	801	CLA	C16-C17-C18-C20
15	a	841	PQN	C26-C27-C28-C30
18	a	849	LHG	C19-C20-C21-C22
20	w	202	SQD	C24-C25-C26-C27
14	a	803	CLA	C13-C15-C16-C17
14	F	202	CLA	C2A-CAA-CBA-CGA
14	a	829	CLA	C2A-CAA-CBA-CGA
21	N	850	LMG	C34-C35-C36-C37
21	b	849	LMG	C30-C31-C32-C33
14	N	838	CLA	C10-C11-C12-C13
14	N	851	CLA	C13-C15-C16-C17
14	G	811	CLA	C11-C12-C13-C14
18	G	850	LHG	C12-C13-C14-C15
20	H	1702	SQD	C11-C10-C9-C8
14	n	806	CLA	C16-C17-C18-C19
14	N	815	CLA	C8-C10-C11-C12
14	g	823	CLA	CBA-CGA-O2A-C1
14	A	813	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	b	813	CLA	O1D-CGD-O2D-CED
18	g	849	LHG	C10-C11-C12-C13
18	A	850	LHG	C19-C20-C21-C22
20	w	202	SQD	C26-C27-C28-C29
14	G	805	CLA	CAD-CBD-CGD-O2D
14	G	813	CLA	CAD-CBD-CGD-O2D
14	G	814	CLA	CAD-CBD-CGD-O2D
14	G	852	CLA	CAD-CBD-CGD-O2D
14	N	805	CLA	CAD-CBD-CGD-O2D
14	N	815	CLA	CAD-CBD-CGD-O2D
14	N	822	CLA	CAD-CBD-CGD-O2D
14	N	831	CLA	CAD-CBD-CGD-O2D
14	N	851	CLA	CAD-CBD-CGD-O2D
14	S	203	CLA	CAD-CBD-CGD-O2D
14	W	202	CLA	CAD-CBD-CGD-O2D
14	g	810	CLA	CAD-CBD-CGD-O2D
14	g	817	CLA	CAD-CBD-CGD-O2D
14	n	815	CLA	CAD-CBD-CGD-O2D
14	n	826	CLA	CAD-CBD-CGD-O2D
14	s	202	CLA	CAD-CBD-CGD-O2D
14	A	808	CLA	CAD-CBD-CGD-O2D
14	A	817	CLA	CAD-CBD-CGD-O2D
14	A	819	CLA	CAD-CBD-CGD-O2D
14	B	804	CLA	CAD-CBD-CGD-O2D
14	B	805	CLA	CAD-CBD-CGD-O2D
14	B	807	CLA	CAD-CBD-CGD-O2D
14	B	817	CLA	CAD-CBD-CGD-O2D
14	B	821	CLA	CAD-CBD-CGD-O2D
14	B	823	CLA	CAD-CBD-CGD-O2D
14	B	831	CLA	CAD-CBD-CGD-O2D
14	B	833	CLA	CAD-CBD-CGD-O2D
14	B	841	CLA	CAD-CBD-CGD-O2D
14	a	804	CLA	CAD-CBD-CGD-O2D
14	a	809	CLA	CAD-CBD-CGD-O2D
14	b	814	CLA	CAD-CBD-CGD-O2D
14	b	818	CLA	CAD-CBD-CGD-O2D
14	b	822	CLA	CAD-CBD-CGD-O2D
14	b	830	CLA	CAD-CBD-CGD-O2D
14	b	840	CLA	CAD-CBD-CGD-O2D
14	b	851	CLA	CAD-CBD-CGD-O2D
19	g	851	CL0	CAD-CBD-CGD-O2D
14	A	839	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	b	804	CLA	C4-C3-C5-C6
15	B	842	PQN	C14-C13-C15-C16
14	N	842	CLA	C16-C17-C18-C19
14	n	808	CLA	C16-C17-C18-C20
14	G	839	CLA	C5-C6-C7-C8
14	g	837	CLA	C13-C15-C16-C17
14	A	833	CLA	C5-C6-C7-C8
14	B	810	CLA	C10-C11-C12-C13
14	a	804	CLA	C2-C3-C5-C6
15	B	842	PQN	C12-C13-C15-C16
14	g	803	CLA	O1D-CGD-O2D-CED
18	v	102	LHG	C5-C4-O6-P
18	v	102	LHG	C4-C5-C6-O8
14	A	819	CLA	CBD-CGD-O2D-CED
14	B	829	CLA	O1A-CGA-O2A-C1
18	g	850	LHG	O6-C4-C5-O7
18	A	851	LHG	O6-C4-C5-O7
14	G	827	CLA	C8-C10-C11-C12
14	N	821	CLA	C13-C15-C16-C17
14	b	802	CLA	C10-C11-C12-C13
14	n	815	CLA	O2A-C1-C2-C3
14	u	102	CLA	O2A-C1-C2-C3
14	A	857	CLA	O2A-C1-C2-C3
14	a	854	CLA	O2A-C1-C2-C3
14	b	816	CLA	O2A-C1-C2-C3
14	b	834	CLA	CBA-CGA-O2A-C1
14	G	802	CLA	C16-C17-C18-C19
14	G	805	CLA	C16-C17-C18-C19
14	A	805	CLA	C16-C17-C18-C19
14	A	818	CLA	C16-C17-C18-C20
18	a	850	LHG	C19-C20-C21-C22
14	t	101	CLA	O1D-CGD-O2D-CED
14	G	804	CLA	CHA-CBD-CGD-O1D
14	G	804	CLA	CHA-CBD-CGD-O2D
14	G	807	CLA	CHA-CBD-CGD-O1D
14	G	807	CLA	CHA-CBD-CGD-O2D
14	G	829	CLA	CHA-CBD-CGD-O1D
14	G	829	CLA	CHA-CBD-CGD-O2D
14	G	833	CLA	CHA-CBD-CGD-O1D
14	G	833	CLA	CHA-CBD-CGD-O2D
14	N	804	CLA	CHA-CBD-CGD-O1D
14	N	812	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	N	812	CLA	CHA-CBD-CGD-O2D
14	N	823	CLA	CHA-CBD-CGD-O1D
14	N	823	CLA	CHA-CBD-CGD-O2D
14	N	825	CLA	CHA-CBD-CGD-O1D
14	N	826	CLA	CHA-CBD-CGD-O1D
14	N	826	CLA	CHA-CBD-CGD-O2D
14	N	828	CLA	CHA-CBD-CGD-O1D
14	N	835	CLA	CHA-CBD-CGD-O1D
14	N	835	CLA	CHA-CBD-CGD-O2D
14	W	203	CLA	CHA-CBD-CGD-O1D
14	W	204	CLA	CHA-CBD-CGD-O1D
14	g	803	CLA	CHA-CBD-CGD-O1D
14	g	803	CLA	CHA-CBD-CGD-O2D
14	g	806	CLA	CHA-CBD-CGD-O1D
14	g	806	CLA	CHA-CBD-CGD-O2D
14	g	812	CLA	CHA-CBD-CGD-O1D
14	g	812	CLA	CHA-CBD-CGD-O2D
14	g	818	CLA	CHA-CBD-CGD-O1D
14	g	818	CLA	CHA-CBD-CGD-O2D
14	g	820	CLA	CHA-CBD-CGD-O1D
14	g	828	CLA	CHA-CBD-CGD-O1D
14	g	828	CLA	CHA-CBD-CGD-O2D
14	g	832	CLA	CHA-CBD-CGD-O1D
14	g	834	CLA	CHA-CBD-CGD-O1D
14	g	834	CLA	CHA-CBD-CGD-O2D
14	n	808	CLA	CHA-CBD-CGD-O1D
14	n	808	CLA	CHA-CBD-CGD-O2D
14	n	811	CLA	CHA-CBD-CGD-O1D
14	n	811	CLA	CHA-CBD-CGD-O2D
14	n	819	CLA	CHA-CBD-CGD-O2D
14	n	820	CLA	CHA-CBD-CGD-O1D
14	n	820	CLA	CHA-CBD-CGD-O2D
14	n	821	CLA	CHA-CBD-CGD-O1D
14	n	825	CLA	CHA-CBD-CGD-O1D
14	n	825	CLA	CHA-CBD-CGD-O2D
14	n	829	CLA	CHA-CBD-CGD-O1D
14	n	829	CLA	CHA-CBD-CGD-O2D
14	u	102	CLA	CHA-CBD-CGD-O1D
14	u	102	CLA	CHA-CBD-CGD-O2D
14	A	805	CLA	CHA-CBD-CGD-O2D
14	A	813	CLA	CHA-CBD-CGD-O1D
14	A	821	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	A	833	CLA	CHA-CBD-CGD-O1D
14	A	833	CLA	CHA-CBD-CGD-O2D
14	A	838	CLA	CHA-CBD-CGD-O1D
14	A	838	CLA	CHA-CBD-CGD-O2D
14	B	803	CLA	CHA-CBD-CGD-O1D
14	B	803	CLA	CHA-CBD-CGD-O2D
14	B	806	CLA	CHA-CBD-CGD-O2D
14	B	812	CLA	CHA-CBD-CGD-O1D
14	B	812	CLA	CHA-CBD-CGD-O2D
14	B	815	CLA	CHA-CBD-CGD-O1D
14	B	815	CLA	CHA-CBD-CGD-O2D
14	B	826	CLA	CHA-CBD-CGD-O1D
14	B	826	CLA	CHA-CBD-CGD-O2D
14	B	828	CLA	CHA-CBD-CGD-O2D
14	B	834	CLA	CHA-CBD-CGD-O1D
14	a	801	CLA	CHA-CBD-CGD-O1D
14	a	801	CLA	CHA-CBD-CGD-O2D
14	a	803	CLA	CHA-CBD-CGD-O1D
14	a	803	CLA	CHA-CBD-CGD-O2D
14	a	805	CLA	CHA-CBD-CGD-O1D
14	a	805	CLA	CHA-CBD-CGD-O2D
14	a	811	CLA	CHA-CBD-CGD-O1D
14	a	813	CLA	CHA-CBD-CGD-O1D
14	a	813	CLA	CHA-CBD-CGD-O2D
14	a	822	CLA	CHA-CBD-CGD-O1D
14	a	828	CLA	CHA-CBD-CGD-O1D
14	a	828	CLA	CHA-CBD-CGD-O2D
14	a	835	CLA	CHA-CBD-CGD-O1D
14	a	835	CLA	CHA-CBD-CGD-O2D
14	b	803	CLA	CHA-CBD-CGD-O1D
14	b	803	CLA	CHA-CBD-CGD-O2D
14	b	812	CLA	CHA-CBD-CGD-O1D
14	b	812	CLA	CHA-CBD-CGD-O2D
14	b	815	CLA	CHA-CBD-CGD-O1D
14	b	815	CLA	CHA-CBD-CGD-O2D
14	b	826	CLA	CHA-CBD-CGD-O1D
14	b	826	CLA	CHA-CBD-CGD-O2D
14	b	837	CLA	CHA-CBD-CGD-O1D
14	b	837	CLA	CHA-CBD-CGD-O2D
14	B	850	CLA	C3-C5-C6-C7
14	A	811	CLA	O1A-CGA-O2A-C1
14	A	833	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B	840	CLA	O1A-CGA-O2A-C1
14	b	825	CLA	O1A-CGA-O2A-C1
14	b	826	CLA	O1A-CGA-O2A-C1
20	H	1702	SQD	C11-C12-C13-C14
14	B	821	CLA	O1D-CGD-O2D-CED
18	S	202	LHG	O7-C5-C6-O8
20	x	1702	SQD	O6-C44-C45-O47
21	B	802	LMG	O1-C7-C8-O7
14	n	820	CLA	O1D-CGD-O2D-CED
14	A	828	CLA	CAA-CBA-CGA-O2A
14	A	820	CLA	C16-C17-C18-C20
14	n	830	CLA	O1D-CGD-O2D-CED
21	b	849	LMG	C13-C14-C15-C16
14	A	828	CLA	C3-C5-C6-C7
15	g	841	PQN	C13-C15-C16-C17
14	N	826	CLA	C13-C15-C16-C17
14	g	804	CLA	C10-C11-C12-C13
14	N	851	CLA	C4-C3-C5-C6
14	H	1701	CLA	O1A-CGA-O2A-C1
14	n	805	CLA	O1A-CGA-O2A-C1
14	b	806	CLA	O1A-CGA-O2A-C1
14	G	805	CLA	C14-C13-C15-C16
14	G	816	CLA	C11-C10-C8-C9
14	G	828	CLA	C11-C12-C13-C14
14	N	807	CLA	C14-C13-C15-C16
14	N	811	CLA	C14-C13-C15-C16
14	N	821	CLA	C14-C13-C15-C16
14	N	825	CLA	C11-C10-C8-C9
14	N	827	CLA	C11-C10-C8-C9
14	n	803	CLA	C11-C10-C8-C9
14	n	825	CLA	C11-C12-C13-C14
14	n	837	CLA	C11-C12-C13-C14
14	A	802	CLA	C6-C7-C8-C9
14	A	808	CLA	C6-C7-C8-C9
14	A	810	CLA	C11-C10-C8-C9
14	B	824	CLA	C6-C7-C8-C9
14	b	826	CLA	C11-C12-C13-C14
14	b	829	CLA	C14-C13-C15-C16
20	x	1702	SQD	C17-C18-C19-C20
14	g	823	CLA	O1A-CGA-O2A-C1
21	B	849	LMG	C18-C19-C20-C21
14	b	828	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
20	w	202	SQD	C4-C5-C6-S
14	G	802	CLA	C16-C17-C18-C20
14	g	839	CLA	C2A-CAA-CBA-CGA
14	a	807	CLA	C2A-CAA-CBA-CGA
14	a	839	CLA	C2A-CAA-CBA-CGA
14	b	831	CLA	C2A-CAA-CBA-CGA
14	B	828	CLA	CAA-CBA-CGA-O2A
20	B	801	SQD	C12-C13-C14-C15
18	A	850	LHG	C23-C24-C25-C26
20	w	202	SQD	C27-C28-C29-C30
20	h	1702	SQD	C18-C19-C20-C21
20	w	202	SQD	C17-C18-C19-C20
21	B	849	LMG	C14-C15-C16-C17
17	N	847	BCR	C7-C8-C9-C10
17	n	842	BCR	C21-C22-C23-C24
17	B	843	BCR	C7-C8-C9-C10
17	B	846	BCR	C7-C8-C9-C10
17	B	847	BCR	C21-C22-C23-C24
14	N	827	CLA	C3-C5-C6-C7
18	a	849	LHG	C25-C26-C27-C28
14	a	853	CLA	O1D-CGD-O2D-CED
14	G	801	CLA	C1A-C2A-CAA-CBA
14	N	803	CLA	C1A-C2A-CAA-CBA
14	N	815	CLA	C1A-C2A-CAA-CBA
14	g	837	CLA	C1A-C2A-CAA-CBA
14	n	813	CLA	C1A-C2A-CAA-CBA
14	w	205	CLA	C1A-C2A-CAA-CBA
14	a	809	CLA	C1A-C2A-CAA-CBA
14	b	805	CLA	C1A-C2A-CAA-CBA
14	b	815	CLA	C1A-C2A-CAA-CBA
14	b	824	CLA	C1A-C2A-CAA-CBA
14	b	833	CLA	C1A-C2A-CAA-CBA
14	A	831	CLA	C16-C17-C18-C19
14	B	818	CLA	C16-C17-C18-C20
14	a	823	CLA	C13-C15-C16-C17
14	h	1701	CLA	C2-C1-O2A-CGA
20	H	1702	SQD	C14-C15-C16-C17
14	w	203	CLA	O1D-CGD-O2D-CED
14	B	810	CLA	C5-C6-C7-C8
14	b	804	CLA	C5-C6-C7-C8
18	X	1702	LHG	C3-O3-P-O6
14	G	813	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
20	b	801	SQD	C28-C29-C30-C31
15	n	841	PQN	C14-C13-C15-C16
18	X	1702	LHG	C5-C4-O6-P
18	m	101	LHG	C5-C4-O6-P
14	A	840	CLA	C2-C3-C5-C6
14	A	813	CLA	O1A-CGA-O2A-C1
18	G	849	LHG	C4-O6-P-O5
18	G	850	LHG	C3-O3-P-O4
18	G	850	LHG	C4-O6-P-O5
18	g	850	LHG	C3-O3-P-O5
18	v	102	LHG	C3-O3-P-O4
18	A	850	LHG	C4-O6-P-O4
18	A	850	LHG	C4-O6-P-O5
18	A	851	LHG	C3-O3-P-O5
14	G	832	CLA	C16-C17-C18-C20
14	G	806	CLA	C2C-C3C-CAC-CBC
20	h	1702	SQD	C17-C18-C19-C20
14	N	826	CLA	CBA-CGA-O2A-C1
14	a	829	CLA	CBA-CGA-O2A-C1
14	b	818	CLA	CBA-CGA-O2A-C1
14	b	837	CLA	CBA-CGA-O2A-C1
18	g	849	LHG	O6-C4-C5-C6
18	X	1702	LHG	O6-C4-C5-C6
18	a	850	LHG	O6-C4-C5-C6
14	b	812	CLA	CAA-CBA-CGA-O2A
14	g	816	CLA	C2A-CAA-CBA-CGA
14	A	816	CLA	C2A-CAA-CBA-CGA
18	G	849	LHG	C10-C11-C12-C13
20	H	1702	SQD	C32-C33-C34-C35
14	b	812	CLA	C6-C7-C8-C9
14	G	804	CLA	CAD-CBD-CGD-O1D
14	N	807	CLA	CAD-CBD-CGD-O1D
14	N	812	CLA	CAD-CBD-CGD-O1D
14	N	814	CLA	CAD-CBD-CGD-O1D
14	N	825	CLA	CAD-CBD-CGD-O1D
14	N	828	CLA	CAD-CBD-CGD-O1D
14	W	202	CLA	C2-C3-C5-C6
14	g	803	CLA	CAD-CBD-CGD-O1D
14	g	812	CLA	CAD-CBD-CGD-O1D
14	g	835	CLA	CAD-CBD-CGD-O1D
14	n	820	CLA	CAD-CBD-CGD-O1D
14	w	203	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	A	825	CLA	CAD-CBD-CGD-O1D
14	A	830	CLA	CAD-CBD-CGD-O1D
14	A	836	CLA	CAD-CBD-CGD-O1D
14	B	803	CLA	CAD-CBD-CGD-O1D
14	B	806	CLA	CAD-CBD-CGD-O1D
14	a	803	CLA	CAD-CBD-CGD-O1D
14	a	813	CLA	CAD-CBD-CGD-O1D
14	a	835	CLA	CAD-CBD-CGD-O1D
14	b	803	CLA	CAD-CBD-CGD-O1D
14	b	815	CLA	CAD-CBD-CGD-O1D
14	b	823	CLA	CAD-CBD-CGD-O1D
14	b	837	CLA	CAD-CBD-CGD-O1D
14	B	811	CLA	C5-C6-C7-C8
14	a	853	CLA	C10-C11-C12-C13
14	b	828	CLA	C15-C16-C17-C18
18	G	849	LHG	C11-C10-C9-C8
20	w	202	SQD	C25-C26-C27-C28
14	A	839	CLA	O1A-CGA-O2A-C1
21	b	849	LMG	C35-C36-C37-C38
14	n	822	CLA	C3-C5-C6-C7
14	a	837	CLA	C3-C5-C6-C7
14	N	833	CLA	C8-C10-C11-C12
14	b	829	CLA	C8-C10-C11-C12
18	A	851	LHG	C11-C12-C13-C14
14	B	831	CLA	C5-C6-C7-C8
18	g	849	LHG	C14-C15-C16-C17
14	n	850	CLA	O1D-CGD-O2D-CED
18	g	849	LHG	C1-C2-C3-O3
20	n	801	SQD	C19-C20-C21-C22
14	b	853	CLA	C6-C7-C8-C10
14	g	821	CLA	C4-C3-C5-C6
14	G	807	CLA	C11-C10-C8-C7
14	G	810	CLA	C6-C7-C8-C10
14	G	820	CLA	C12-C13-C15-C16
14	G	829	CLA	C11-C10-C8-C7
14	G	839	CLA	C3A-C2A-CAA-CBA
14	G	839	CLA	C6-C7-C8-C10
14	N	805	CLA	C12-C13-C15-C16
14	N	807	CLA	C12-C13-C15-C16
14	N	808	CLA	C12-C13-C15-C16
14	g	803	CLA	C11-C10-C8-C7
14	g	819	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	g	827	CLA	C11-C12-C13-C15
14	g	832	CLA	C11-C12-C13-C15
14	g	839	CLA	C12-C13-C15-C16
14	g	852	CLA	C11-C10-C8-C7
14	n	803	CLA	C11-C10-C8-C7
14	n	804	CLA	C12-C13-C15-C16
14	n	805	CLA	C12-C13-C15-C16
14	n	825	CLA	C11-C12-C13-C15
14	w	204	CLA	C6-C7-C8-C10
14	A	811	CLA	C11-C10-C8-C7
14	A	818	CLA	C6-C7-C8-C10
14	A	818	CLA	C11-C10-C8-C7
14	A	833	CLA	C11-C12-C13-C15
14	B	814	CLA	C11-C10-C8-C7
14	B	818	CLA	C12-C13-C15-C16
14	B	830	CLA	C12-C13-C15-C16
14	a	819	CLA	C11-C10-C8-C7
14	a	823	CLA	C12-C13-C15-C16
14	a	832	CLA	C11-C12-C13-C15
14	a	836	CLA	C6-C7-C8-C10
14	b	810	CLA	C11-C12-C13-C15
14	b	811	CLA	C6-C7-C8-C10
14	b	819	CLA	C11-C10-C8-C7
14	b	825	CLA	C6-C7-C8-C10
14	b	826	CLA	C11-C12-C13-C15
15	g	841	PQN	C16-C17-C18-C20
15	A	842	PQN	C16-C17-C18-C20
18	a	850	LHG	O6-C4-C5-O7
14	G	806	CLA	C4C-C3C-CAC-CBC
14	A	826	CLA	C8-C10-C11-C12
14	b	826	CLA	C10-C11-C12-C13
14	A	817	CLA	O1D-CGD-O2D-CED
14	A	854	CLA	C8-C10-C11-C12
14	a	803	CLA	C10-C11-C12-C13
14	a	837	CLA	C13-C15-C16-C17
14	n	817	CLA	CBD-CGD-O2D-CED
14	B	818	CLA	C2A-CAA-CBA-CGA
14	a	819	CLA	C2A-CAA-CBA-CGA
14	f	202	CLA	C2A-CAA-CBA-CGA
14	n	810	CLA	C11-C12-C13-C14
14	b	809	CLA	C16-C17-C18-C20
14	B	814	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	b	804	CLA	CAA-CBA-CGA-O2A
20	H	1702	SQD	O6-C44-C45-C46
14	b	834	CLA	O1A-CGA-O2A-C1
18	a	849	LHG	O7-C5-C6-O8
20	h	1702	SQD	O6-C44-C45-O47
20	B	801	SQD	O6-C44-C45-O47
14	n	825	CLA	C10-C11-C12-C13
14	A	854	CLA	O1D-CGD-O2D-CED
14	g	811	CLA	C11-C12-C13-C15
14	g	816	CLA	C5-C6-C7-C8
14	B	808	CLA	C13-C15-C16-C17
14	G	833	CLA	C3-C5-C6-C7
14	A	826	CLA	O1D-CGD-O2D-CED
14	b	828	CLA	O1D-CGD-O2D-CED
14	N	826	CLA	O1A-CGA-O2A-C1
14	b	818	CLA	O1A-CGA-O2A-C1
14	b	837	CLA	O1A-CGA-O2A-C1
14	N	829	CLA	C4-C3-C5-C6
14	n	837	CLA	C4-C3-C5-C6
14	b	826	CLA	C4-C3-C5-C6
14	G	811	CLA	CBA-CGA-O2A-C1
14	N	830	CLA	CBA-CGA-O2A-C1
14	g	815	CLA	C10-C11-C12-C13
20	x	1702	SQD	C12-C13-C14-C15
14	N	851	CLA	C2-C3-C5-C6
14	H	1701	CLA	O2A-C1-C2-C3
14	N	838	CLA	C5-C6-C7-C8
14	G	812	CLA	C11-C10-C8-C9
14	G	826	CLA	C11-C12-C13-C14
14	N	805	CLA	C14-C13-C15-C16
14	N	812	CLA	C6-C7-C8-C9
14	N	826	CLA	C11-C12-C13-C14
14	g	807	CLA	C11-C12-C13-C14
14	g	811	CLA	C6-C7-C8-C9
14	g	815	CLA	C11-C10-C8-C9
14	g	823	CLA	C14-C13-C15-C16
14	g	828	CLA	C11-C10-C8-C9
14	g	838	CLA	C11-C12-C13-C14
14	n	823	CLA	C11-C10-C8-C9
14	n	827	CLA	C11-C12-C13-C14
14	n	828	CLA	C11-C12-C13-C14
14	n	832	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
14	n	850	CLA	C11-C10-C8-C9
14	A	817	CLA	C6-C7-C8-C9
14	A	826	CLA	C6-C7-C8-C9
14	A	837	CLA	C6-C7-C8-C9
14	A	853	CLA	C11-C10-C8-C9
14	A	854	CLA	C14-C13-C15-C16
14	B	809	CLA	C6-C7-C8-C9
14	B	819	CLA	C11-C10-C8-C9
14	B	820	CLA	C11-C12-C13-C14
14	B	827	CLA	C11-C10-C8-C9
14	a	823	CLA	C14-C13-C15-C16
14	a	826	CLA	C11-C10-C8-C9
14	a	826	CLA	C14-C13-C15-C16
14	a	830	CLA	C11-C12-C13-C14
14	a	836	CLA	C11-C12-C13-C14
14	a	839	CLA	C11-C10-C8-C9
14	b	802	CLA	C11-C12-C13-C14
14	b	814	CLA	C14-C13-C15-C16
14	b	819	CLA	C6-C7-C8-C9
19	a	851	CL0	C11-C10-C8-C9
14	L	1503	CLA	CBD-CGD-O2D-CED
14	B	840	CLA	C3-C5-C6-C7
14	G	805	CLA	C16-C17-C18-C20
14	A	820	CLA	C16-C17-C18-C19
14	A	831	CLA	C16-C17-C18-C20
14	G	833	CLA	C5-C6-C7-C8
18	G	850	LHG	C28-C29-C30-C31
14	a	819	CLA	C8-C10-C11-C12
17	g	846	BCR	C18-C19-C20-C21
17	n	845	BCR	C18-C19-C20-C21
14	a	829	CLA	C6-C7-C8-C9
14	A	807	CLA	C15-C16-C17-C18
14	a	826	CLA	C5-C6-C7-C8
14	a	829	CLA	O1A-CGA-O2A-C1
18	G	849	LHG	C26-C27-C28-C29
14	B	808	CLA	C16-C17-C18-C20
14	a	819	CLA	C16-C17-C18-C20
14	b	833	CLA	C16-C17-C18-C20
18	G	849	LHG	C18-C19-C20-C21
20	w	202	SQD	C19-C20-C21-C22
17	Y	101	BCR	C7-C8-C9-C10
14	s	201	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	n	807	CLA	C8-C10-C11-C12
14	A	802	CLA	C8-C10-C11-C12
14	N	830	CLA	O1A-CGA-O2A-C1
14	a	835	CLA	O1D-CGD-O2D-CED
14	G	832	CLA	C4-C3-C5-C6
14	n	810	CLA	C4-C3-C5-C6
14	N	851	CLA	CAA-CBA-CGA-O2A
19	G	851	CL0	CAA-CBA-CGA-O2A
14	G	808	CLA	O1A-CGA-O2A-C1
14	A	805	CLA	C16-C17-C18-C20
14	a	809	CLA	C10-C11-C12-C13
14	N	817	CLA	C1-C2-C3-C4
14	n	815	CLA	C1-C2-C3-C4
14	B	816	CLA	C1-C2-C3-C4
14	b	816	CLA	C1-C2-C3-C4
18	X	1702	LHG	C9-C10-C11-C12
18	A	851	LHG	O8-C23-C24-C25
18	A	851	LHG	O6-C4-C5-C6
14	G	811	CLA	C2A-CAA-CBA-CGA
14	G	816	CLA	C2A-CAA-CBA-CGA
14	G	852	CLA	C2A-CAA-CBA-CGA
14	W	203	CLA	C2A-CAA-CBA-CGA
14	W	204	CLA	C2A-CAA-CBA-CGA
14	g	806	CLA	C2A-CAA-CBA-CGA
14	g	834	CLA	C2A-CAA-CBA-CGA
14	g	853	CLA	C2A-CAA-CBA-CGA
14	A	854	CLA	C2A-CAA-CBA-CGA
14	X	1701	CLA	C2A-CAA-CBA-CGA
14	B	806	CLA	C2A-CAA-CBA-CGA
14	B	831	CLA	C2A-CAA-CBA-CGA
14	a	815	CLA	C2A-CAA-CBA-CGA
14	n	804	CLA	C4C-C3C-CAC-CBC
14	G	811	CLA	O1A-CGA-O2A-C1
14	A	824	CLA	O1A-CGA-O2A-C1
14	b	815	CLA	CBA-CGA-O2A-C1
14	g	810	CLA	C2-C1-O2A-CGA
14	n	802	CLA	C2-C1-O2A-CGA
14	w	204	CLA	C2-C1-O2A-CGA
14	B	816	CLA	C2-C1-O2A-CGA
14	b	804	CLA	C2-C1-O2A-CGA
14	B	850	CLA	CAA-CBA-CGA-O2A
19	a	851	CL0	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	A	819	CLA	O1D-CGD-O2D-CED
21	B	849	LMG	C16-C17-C18-C19
14	n	805	CLA	C15-C16-C17-C18
21	B	849	LMG	C33-C34-C35-C36
14	G	808	CLA	CBA-CGA-O2A-C1
14	U	102	CLA	O2A-C1-C2-C3
17	A	849	BCR	C23-C24-C25-C30
17	B	843	BCR	C1-C6-C7-C8
15	n	841	PQN	C12-C13-C15-C16
18	v	102	LHG	O9-C7-O7-C5
14	N	838	CLA	C8-C10-C11-C12
14	n	824	CLA	C13-C15-C16-C17
14	B	832	CLA	C5-C6-C7-C8
14	A	824	CLA	CBA-CGA-O2A-C1
14	b	840	CLA	CBA-CGA-O2A-C1
14	n	832	CLA	C2C-C3C-CAC-CBC
20	H	1702	SQD	C29-C30-C31-C32
20	n	801	SQD	C13-C14-C15-C16
14	N	838	CLA	C11-C12-C13-C15
18	v	102	LHG	C8-C7-O7-C5
21	N	802	LMG	C2-C1-O1-C7
14	b	815	CLA	O1A-CGA-O2A-C1
14	A	811	CLA	C11-C12-C13-C14
18	v	102	LHG	C4-O6-P-O3
18	X	1702	LHG	C4-O6-P-O3
18	a	849	LHG	C3-O3-P-O6
14	b	826	CLA	C8-C10-C11-C12
21	N	850	LMG	C37-C38-C39-C40
21	b	849	LMG	C22-C23-C24-C25
20	h	1702	SQD	O6-C44-C45-C46
14	n	827	CLA	C4-C3-C5-C6
14	G	828	CLA	C11-C12-C13-C15
14	N	803	CLA	C6-C7-C8-C10
14	N	821	CLA	C12-C13-C15-C16
14	N	827	CLA	C11-C10-C8-C7
14	g	811	CLA	C6-C7-C8-C10
14	g	815	CLA	C11-C10-C8-C7
14	n	823	CLA	C12-C13-C15-C16
14	B	818	CLA	C11-C10-C8-C7
14	B	828	CLA	C11-C12-C13-C15
14	a	815	CLA	C2-C3-C5-C6
14	a	815	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	a	837	CLA	C11-C10-C8-C7
14	l	203	CLA	C2C-C3C-CAC-CBC
18	A	850	LHG	C17-C18-C19-C20
20	w	202	SQD	C7-C8-C9-C10
14	w	204	CLA	C2C-C3C-CAC-CBC
14	G	829	CLA	C11-C10-C8-C9
14	G	837	CLA	C11-C12-C13-C14
14	G	839	CLA	C6-C7-C8-C9
14	N	820	CLA	C11-C10-C8-C9
14	N	827	CLA	C6-C7-C8-C9
14	g	803	CLA	C11-C10-C8-C9
14	g	804	CLA	C14-C13-C15-C16
14	g	830	CLA	C11-C12-C13-C14
14	g	832	CLA	C11-C12-C13-C14
14	g	839	CLA	C14-C13-C15-C16
14	n	802	CLA	C14-C13-C15-C16
14	n	806	CLA	C14-C13-C15-C16
14	n	813	CLA	C14-C13-C15-C16
14	A	807	CLA	C11-C10-C8-C9
14	A	818	CLA	C6-C7-C8-C9
14	A	818	CLA	C11-C10-C8-C9
14	A	831	CLA	C11-C12-C13-C14
14	B	806	CLA	C11-C12-C13-C14
14	a	828	CLA	C11-C10-C8-C9
14	a	836	CLA	C6-C7-C8-C9
14	b	825	CLA	C6-C7-C8-C9
14	b	833	CLA	C11-C12-C13-C14
17	n	849	BCR	C19-C20-C21-C22
17	j	104	BCR	C19-C20-C21-C22
17	i	101	BCR	C9-C10-C11-C12
18	G	849	LHG	C27-C28-C29-C30
18	a	849	LHG	C12-C13-C14-C15
14	N	806	CLA	C5-C6-C7-C8
14	A	816	CLA	C5-C6-C7-C8
21	b	849	LMG	C38-C39-C40-C41
14	G	801	CLA	C2A-CAA-CBA-CGA
14	N	840	CLA	C2A-CAA-CBA-CGA
14	g	836	CLA	C2A-CAA-CBA-CGA
14	a	833	CLA	C2A-CAA-CBA-CGA
20	x	1702	SQD	C15-C16-C17-C18
21	N	850	LMG	C31-C32-C33-C34
18	g	849	LHG	C17-C18-C19-C20

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Mol	Chain	Res	Type	Atoms
17	w	207	BCR	C11-C12-C13-C35
17	b	843	BCR	C37-C22-C23-C24
14	B	818	CLA	C16-C17-C18-C19
18	m	101	LHG	C18-C19-C20-C21
14	x	1701	CLA	CBA-CGA-O2A-C1
18	g	850	LHG	O1-C1-C2-C3
18	a	849	LHG	C2-C3-O3-P
18	A	851	LHG	C31-C32-C33-C34
14	N	803	CLA	C5-C6-C7-C8
14	N	851	CLA	C10-C11-C12-C13
18	X	1702	LHG	C30-C31-C32-C33
20	B	801	SQD	C28-C29-C30-C31
14	A	819	CLA	C5-C6-C7-C8
20	H	1702	SQD	C9-C10-C11-C12
14	A	831	CLA	C4-C3-C5-C6
18	G	849	LHG	C23-C24-C25-C26
14	G	832	CLA	C2-C3-C5-C6
14	b	826	CLA	C2-C3-C5-C6
21	N	850	LMG	C16-C17-C18-C19
21	b	849	LMG	C36-C37-C38-C39
14	G	832	CLA	C16-C17-C18-C19
14	A	812	CLA	CBA-CGA-O2A-C1
14	A	838	CLA	CBA-CGA-O2A-C1
18	G	849	LHG	C34-C35-C36-C37
14	G	805	CLA	C3-C5-C6-C7
20	h	1702	SQD	C12-C13-C14-C15
15	A	842	PQN	C15-C16-C17-C18
14	A	812	CLA	O1A-CGA-O2A-C1
14	A	838	CLA	O1A-CGA-O2A-C1
14	b	840	CLA	O1A-CGA-O2A-C1
14	f	201	CLA	O1A-CGA-O2A-C1
14	G	813	CLA	CBA-CGA-O2A-C1
14	g	832	CLA	CBA-CGA-O2A-C1
14	f	201	CLA	CBA-CGA-O2A-C1
20	x	1702	SQD	C14-C15-C16-C17
14	g	840	CLA	C2A-CAA-CBA-CGA
14	A	822	CLA	C2A-CAA-CBA-CGA
14	a	836	CLA	C2A-CAA-CBA-CGA
17	t	104	BCR	C19-C20-C21-C22
17	b	852	BCR	C15-C16-C17-C18
14	N	805	CLA	C4C-C3C-CAC-CBC
14	L	1503	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	g	832	CLA	O1A-CGA-O2A-C1
14	g	826	CLA	C5-C6-C7-C8
14	B	831	CLA	C6-C7-C8-C9
18	m	101	LHG	C16-C17-C18-C19
18	S	202	LHG	O6-C4-C5-O7
14	n	814	CLA	CAA-CBA-CGA-O2A
18	G	850	LHG	C10-C11-C12-C13
18	G	850	LHG	C30-C31-C32-C33
14	N	811	CLA	C4-C3-C5-C6
14	g	810	CLA	C4-C3-C5-C6
14	A	838	CLA	C15-C16-C17-C18
14	N	839	CLA	C2-C3-C5-C6
14	n	802	CLA	C2-C3-C5-C6
14	a	831	CLA	C2-C3-C5-C6
14	N	810	CLA	C10-C11-C12-C13
14	A	839	CLA	C13-C15-C16-C17
14	n	809	CLA	CBD-CGD-O2D-CED
14	G	825	CLA	C2-C1-O2A-CGA
14	N	828	CLA	C2-C1-O2A-CGA
14	g	837	CLA	C2-C1-O2A-CGA
14	s	201	CLA	C2-C1-O2A-CGA
14	x	1701	CLA	O1A-CGA-O2A-C1
14	b	803	CLA	C13-C15-C16-C17
14	a	804	CLA	C3-C5-C6-C7
14	a	815	CLA	C5-C6-C7-C8
14	N	801	CLA	C2A-CAA-CBA-CGA
14	N	820	CLA	C2A-CAA-CBA-CGA
14	n	810	CLA	C2A-CAA-CBA-CGA
14	A	801	CLA	C2A-CAA-CBA-CGA
14	B	808	CLA	C2A-CAA-CBA-CGA
14	b	828	CLA	C2A-CAA-CBA-CGA
21	B	849	LMG	C28-C29-C30-C31
14	A	808	CLA	C5-C6-C7-C8
20	b	801	SQD	C14-C15-C16-C17
14	G	810	CLA	C3A-C2A-CAA-CBA
14	G	831	CLA	C3A-C2A-CAA-CBA
14	U	101	CLA	C3A-C2A-CAA-CBA
14	g	802	CLA	C3A-C2A-CAA-CBA
14	g	830	CLA	C3A-C2A-CAA-CBA
14	n	813	CLA	C3A-C2A-CAA-CBA
14	A	831	CLA	C3A-C2A-CAA-CBA
14	g	808	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	n	817	CLA	O1D-CGD-O2D-CED
14	g	839	CLA	C16-C17-C18-C20
14	B	850	CLA	C16-C17-C18-C20
14	b	833	CLA	C16-C17-C18-C19
14	h	1701	CLA	O2A-C1-C2-C3
14	n	827	CLA	CAA-CBA-CGA-O2A
20	w	202	SQD	C12-C13-C14-C15
21	b	849	LMG	C29-C28-O8-C9
18	G	850	LHG	C29-C30-C31-C32
14	G	815	CLA	CAA-CBA-CGA-O1A
14	A	821	CLA	CAA-CBA-CGA-O2A
14	K	101	CLA	CAA-CBA-CGA-O2A
14	N	839	CLA	C4-C3-C5-C6
14	a	831	CLA	C4-C3-C5-C6
18	G	850	LHG	C9-C10-C11-C12
20	n	801	SQD	C15-C16-C17-C18
20	b	801	SQD	C26-C27-C28-C29
14	G	840	CLA	CBD-CGD-O2D-CED
14	g	837	CLA	C2-C3-C5-C6
14	G	810	CLA	C13-C15-C16-C17
14	A	829	CLA	C13-C15-C16-C17
14	G	807	CLA	C11-C10-C8-C9
14	G	832	CLA	C11-C10-C8-C9
14	N	810	CLA	C14-C13-C15-C16
14	N	812	CLA	C11-C10-C8-C9
14	N	829	CLA	C11-C10-C8-C9
14	g	807	CLA	C14-C13-C15-C16
14	g	823	CLA	C6-C7-C8-C9
14	n	809	CLA	C14-C13-C15-C16
14	n	840	CLA	C11-C12-C13-C14
14	A	840	CLA	C14-C13-C15-C16
14	B	829	CLA	C11-C12-C13-C14
14	B	840	CLA	C6-C7-C8-C9
14	a	803	CLA	C11-C12-C13-C14
14	b	806	CLA	C6-C7-C8-C9
14	b	824	CLA	C11-C10-C8-C9
14	n	810	CLA	C11-C12-C13-C15
14	a	819	CLA	C16-C17-C18-C19
20	n	801	SQD	C14-C15-C16-C17
14	a	852	CLA	CAA-CBA-CGA-O1A
17	G	848	BCR	C11-C10-C9-C34
17	G	848	BCR	C16-C17-C18-C36

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Mol	Chain	Res	Type	Atoms
17	N	846	BCR	C11-C10-C9-C34
17	N	846	BCR	C20-C21-C22-C37
17	S	204	BCR	C35-C13-C14-C15
17	g	846	BCR	C11-C10-C9-C34
17	g	846	BCR	C20-C21-C22-C37
17	g	848	BCR	C11-C10-C9-C34
17	g	848	BCR	C16-C17-C18-C36
17	n	843	BCR	C11-C10-C9-C34
17	n	844	BCR	C11-C10-C9-C34
17	n	844	BCR	C20-C21-C22-C37
17	s	203	BCR	C35-C13-C14-C15
17	w	201	BCR	C20-C21-C22-C37
17	A	849	BCR	C11-C10-C9-C34
17	A	849	BCR	C16-C17-C18-C36
17	B	845	BCR	C11-C10-C9-C34
17	B	845	BCR	C20-C21-C22-C37
17	F	203	BCR	C35-C13-C14-C15
17	a	848	BCR	C11-C10-C9-C34
17	a	848	BCR	C16-C17-C18-C36
17	b	844	BCR	C11-C10-C9-C34
17	b	845	BCR	C11-C10-C9-C34
17	b	845	BCR	C20-C21-C22-C37
17	f	203	BCR	C35-C13-C14-C15
18	A	851	LHG	C13-C14-C15-C16
20	x	1702	SQD	C13-C14-C15-C16
14	G	809	CLA	CAA-CBA-CGA-O1A
14	N	822	CLA	CAA-CBA-CGA-O2A
14	U	101	CLA	CAA-CBA-CGA-O1A
14	g	852	CLA	C2A-CAA-CBA-CGA
14	B	826	CLA	C2C-C3C-CAC-CBC
14	B	808	CLA	C16-C17-C18-C19
14	G	804	CLA	O2A-C1-C2-C3
14	g	803	CLA	O2A-C1-C2-C3
14	W	203	CLA	C2C-C3C-CAC-CBC
14	A	821	CLA	CAA-CBA-CGA-O1A
14	b	817	CLA	CAA-CBA-CGA-O1A
17	W	206	BCR	C36-C18-C19-C20
17	g	844	BCR	C37-C22-C23-C24
17	B	843	BCR	C37-C22-C23-C24
17	j	104	BCR	C36-C18-C19-C20
17	l	206	BCR	C7-C8-C9-C34
20	n	801	SQD	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
14	G	815	CLA	CAA-CBA-CGA-O2A
14	N	822	CLA	CAA-CBA-CGA-O1A
14	b	830	CLA	C13-C15-C16-C17
14	g	837	CLA	C4-C3-C5-C6
14	A	804	CLA	C4-C3-C5-C6
14	G	839	CLA	C1A-C2A-CAA-CBA
14	g	802	CLA	C1A-C2A-CAA-CBA
14	g	809	CLA	C1A-C2A-CAA-CBA
14	n	817	CLA	C1A-C2A-CAA-CBA
14	A	801	CLA	C1A-C2A-CAA-CBA
14	A	812	CLA	C1A-C2A-CAA-CBA
14	B	814	CLA	C1A-C2A-CAA-CBA
14	B	830	CLA	C1A-C2A-CAA-CBA
14	a	837	CLA	C1A-C2A-CAA-CBA
14	a	853	CLA	C1A-C2A-CAA-CBA
14	b	837	CLA	C1A-C2A-CAA-CBA
14	b	851	CLA	C1A-C2A-CAA-CBA
14	l	204	CLA	C1A-C2A-CAA-CBA
21	N	802	LMG	O9-C10-O7-C8
14	G	802	CLA	C12-C13-C15-C16
14	G	832	CLA	C6-C7-C8-C10
14	N	808	CLA	C6-C7-C8-C10
14	N	826	CLA	C6-C7-C8-C10
14	g	836	CLA	C6-C7-C8-C10
14	n	803	CLA	C11-C12-C13-C15
14	n	808	CLA	C12-C13-C15-C16
14	n	826	CLA	C11-C10-C8-C7
14	A	810	CLA	C6-C7-C8-C10
14	A	831	CLA	C6-C7-C8-C10
14	A	838	CLA	C11-C10-C8-C7
14	A	839	CLA	C6-C7-C8-C10
14	A	839	CLA	C11-C12-C13-C15
14	a	817	CLA	C11-C10-C8-C7
14	a	823	CLA	C11-C10-C8-C7
14	b	820	CLA	C11-C10-C8-C7
14	b	829	CLA	C12-C13-C15-C16
14	f	201	CLA	C11-C10-C8-C7
19	G	851	CL0	C11-C10-C8-C7
14	G	831	CLA	C13-C15-C16-C17
14	n	808	CLA	C8-C10-C11-C12
14	b	810	CLA	C15-C16-C17-C18
14	A	835	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	K	101	CLA	CAA-CBA-CGA-O1A
17	W	206	BCR	C9-C10-C11-C12
17	n	851	BCR	C15-C16-C17-C18
18	g	850	LHG	C33-C34-C35-C36
14	N	823	CLA	CAA-CBA-CGA-O2A
14	a	813	CLA	CAA-CBA-CGA-O1A
14	g	810	CLA	C11-C12-C13-C14
14	b	810	CLA	C10-C11-C12-C13
14	a	801	CLA	C16-C17-C18-C20
14	A	820	CLA	C3-C5-C6-C7
14	G	820	CLA	C2A-CAA-CBA-CGA
14	G	837	CLA	C2A-CAA-CBA-CGA
14	B	803	CLA	C2A-CAA-CBA-CGA
14	B	804	CLA	C2A-CAA-CBA-CGA
14	G	804	CLA	C10-C11-C12-C13
14	G	824	CLA	C10-C11-C12-C13
14	G	831	CLA	C10-C11-C12-C13
14	G	839	CLA	C15-C16-C17-C18
14	g	803	CLA	C10-C11-C12-C13
14	a	830	CLA	C15-C16-C17-C18
14	b	805	CLA	C8-C10-C11-C12
14	b	808	CLA	C8-C10-C11-C12
20	h	1702	SQD	C28-C29-C30-C31
14	g	808	CLA	CAA-CBA-CGA-O1A
14	b	841	CLA	C2C-C3C-CAC-CBC
14	n	809	CLA	O1D-CGD-O2D-CED
14	X	1701	CLA	O2A-C1-C2-C3
14	n	852	CLA	C5-C6-C7-C8
14	A	807	CLA	C5-C6-C7-C8
14	a	817	CLA	O1D-CGD-O2D-CED
18	A	850	LHG	C27-C28-C29-C30
14	N	838	CLA	C11-C12-C13-C14
14	n	852	CLA	C6-C7-C8-C10
14	G	828	CLA	C5-C6-C7-C8
14	a	820	CLA	CAA-CBA-CGA-O2A
14	b	822	CLA	CAA-CBA-CGA-O1A
14	b	822	CLA	CAA-CBA-CGA-O2A
14	B	824	CLA	C4-C3-C5-C6
18	g	849	LHG	C29-C30-C31-C32
14	b	803	CLA	C15-C16-C17-C18
14	G	821	CLA	CAA-CBA-CGA-O1A
14	N	837	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	n	816	CLA	CAA-CBA-CGA-O1A
14	N	804	CLA	C10-C11-C12-C13
14	B	809	CLA	C13-C15-C16-C17
14	G	813	CLA	O1A-CGA-O2A-C1
14	a	817	CLA	CBD-CGD-O2D-CED
21	N	802	LMG	C28-C29-C30-C31
14	N	831	CLA	C16-C17-C18-C20
17	G	848	BCR	C11-C10-C9-C8
17	G	848	BCR	C16-C17-C18-C19
17	N	846	BCR	C11-C10-C9-C8
17	N	846	BCR	C20-C21-C22-C23
17	S	204	BCR	C12-C13-C14-C15
17	g	846	BCR	C11-C10-C9-C8
17	g	846	BCR	C20-C21-C22-C23
17	g	848	BCR	C11-C10-C9-C8
17	g	848	BCR	C16-C17-C18-C19
17	n	843	BCR	C11-C10-C9-C8
17	n	844	BCR	C11-C10-C9-C8
17	n	844	BCR	C20-C21-C22-C23
17	s	203	BCR	C12-C13-C14-C15
17	w	201	BCR	C20-C21-C22-C23
17	A	849	BCR	C11-C10-C9-C8
17	A	849	BCR	C16-C17-C18-C19
17	B	845	BCR	C11-C10-C9-C8
17	B	845	BCR	C20-C21-C22-C23
17	F	203	BCR	C12-C13-C14-C15
17	a	848	BCR	C11-C10-C9-C8
17	a	848	BCR	C16-C17-C18-C19
17	b	844	BCR	C11-C10-C9-C8
17	b	845	BCR	C11-C10-C9-C8
17	b	845	BCR	C20-C21-C22-C23
17	f	203	BCR	C12-C13-C14-C15
18	g	849	LHG	O7-C5-C6-O8
20	n	801	SQD	O47-C45-C46-O48
20	b	801	SQD	O47-C45-C46-O48
21	b	849	LMG	O7-C8-C9-O8
14	G	824	CLA	CBA-CGA-O2A-C1
14	N	851	CLA	C2C-C3C-CAC-CBC
21	b	849	LMG	C11-C12-C13-C14
14	G	840	CLA	O1D-CGD-O2D-CED
14	A	803	CLA	C2A-CAA-CBA-CGA
14	B	805	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	B	811	CLA	C2A-CAA-CBA-CGA
14	a	808	CLA	CAA-CBA-CGA-O1A
14	N	810	CLA	C5-C6-C7-C8
18	g	850	LHG	C9-C10-C11-C12
18	a	850	LHG	C12-C13-C14-C15
14	N	805	CLA	O1A-CGA-O2A-C1
21	b	849	LMG	O10-C28-O8-C9
18	m	101	LHG	C1-C2-C3-O3
14	a	820	CLA	CAA-CBA-CGA-O1A
14	G	838	CLA	C13-C15-C16-C17
14	b	809	CLA	C3-C5-C6-C7
14	n	813	CLA	C4-C3-C5-C6
14	A	811	CLA	C4-C3-C5-C6
14	A	819	CLA	C4-C3-C5-C6
14	A	825	CLA	C4-C3-C5-C6
14	G	808	CLA	C2-C1-O2A-CGA
14	A	806	CLA	C2-C1-O2A-CGA
14	A	853	CLA	C2-C1-O2A-CGA
14	B	819	CLA	C2-C1-O2A-CGA
19	G	851	CL0	C2-C1-O2A-CGA
14	N	829	CLA	C2-C3-C5-C6
14	n	827	CLA	C2-C3-C5-C6
21	b	849	LMG	C24-C25-C26-C27
14	B	829	CLA	C15-C16-C17-C18
14	G	809	CLA	CAA-CBA-CGA-O2A
14	G	821	CLA	CAA-CBA-CGA-O2A
14	A	835	CLA	CAA-CBA-CGA-O2A
14	b	817	CLA	CAA-CBA-CGA-O2A
14	A	811	CLA	CAA-CBA-CGA-O2A
14	G	820	CLA	C11-C12-C13-C14
14	N	805	CLA	C11-C12-C13-C14
14	N	808	CLA	C11-C12-C13-C14
14	n	805	CLA	C14-C13-C15-C16
14	n	817	CLA	C11-C12-C13-C14
15	B	842	PQN	C24-C23-C25-C26
18	g	849	LHG	C30-C31-C32-C33
14	G	824	CLA	O1A-CGA-O2A-C1
14	F	201	CLA	C11-C12-C13-C14
14	A	805	CLA	C3-C5-C6-C7
14	U	101	CLA	CAA-CBA-CGA-O2A
14	n	816	CLA	CAA-CBA-CGA-O2A
14	a	808	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	a	810	CLA	C11-C12-C13-C14
20	b	801	SQD	C17-C18-C19-C20
20	l	201	SQD	C19-C20-C21-C22
14	N	816	CLA	C2A-CAA-CBA-CGA
14	b	828	CLA	C16-C17-C18-C20
14	T	101	CLA	CAA-CBA-CGA-O2A
14	W	204	CLA	CAA-CBA-CGA-O2A
14	n	834	CLA	CAA-CBA-CGA-O2A
18	g	849	LHG	C25-C26-C27-C28
17	G	844	BCR	C1-C6-C7-C8
17	N	845	BCR	C23-C24-C25-C30
17	W	206	BCR	C23-C24-C25-C30
17	g	844	BCR	C1-C6-C7-C8
17	n	843	BCR	C1-C6-C7-C8
17	n	843	BCR	C23-C24-C25-C30
17	n	851	BCR	C23-C24-C25-C30
17	K	102	BCR	C1-C6-C7-C8
17	I	101	BCR	C23-C24-C25-C26
17	I	101	BCR	C23-C24-C25-C30
17	a	844	BCR	C1-C6-C7-C8
17	b	843	BCR	C23-C24-C25-C30
17	b	844	BCR	C23-C24-C25-C30
14	b	810	CLA	CAA-CBA-CGA-O2A
14	N	823	CLA	CAA-CBA-CGA-O1A
14	G	832	CLA	C15-C16-C17-C18
14	N	815	CLA	C5-C6-C7-C8
14	A	818	CLA	C15-C16-C17-C18
14	a	831	CLA	C13-C15-C16-C17
14	N	815	CLA	C4-C3-C5-C6
14	B	808	CLA	C4-C3-C5-C6
14	B	819	CLA	C4-C3-C5-C6
14	b	828	CLA	C4-C3-C5-C6
15	b	842	PQN	C14-C13-C15-C16
14	n	833	CLA	C5-C6-C7-C8
14	n	810	CLA	C2-C3-C5-C6
14	n	837	CLA	C2-C3-C5-C6
14	A	828	CLA	C2-C3-C5-C6
14	a	823	CLA	C2-C3-C5-C6
14	N	837	CLA	CAA-CBA-CGA-O2A
14	B	804	CLA	CAA-CBA-CGA-O2A
14	n	824	CLA	C5-C6-C7-C8
18	G	850	LHG	C26-C27-C28-C29

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Mol	Chain	Res	Type	Atoms
14	a	813	CLA	CAA-CBA-CGA-O2A
14	a	814	CLA	CAA-CBA-CGA-O2A
20	x	1702	SQD	C19-C20-C21-C22
14	n	823	CLA	C16-C17-C18-C20
14	A	839	CLA	C16-C17-C18-C20
14	a	804	CLA	C16-C17-C18-C19
14	G	838	CLA	C10-C11-C12-C13
14	N	819	CLA	C15-C16-C17-C18
14	B	808	CLA	C8-C10-C11-C12
14	B	826	CLA	C4C-C3C-CAC-CBC
14	n	826	CLA	O1D-CGD-O2D-CED
14	g	814	CLA	CAA-CBA-CGA-O2A
14	A	814	CLA	CAA-CBA-CGA-O2A
14	A	815	CLA	CAA-CBA-CGA-O2A
14	B	821	CLA	CAA-CBA-CGA-O2A
14	k	101	CLA	C2A-CAA-CBA-CGA
14	a	836	CLA	C5-C6-C7-C8
18	A	850	LHG	C29-C30-C31-C32
18	a	849	LHG	C29-C30-C31-C32
14	n	802	CLA	C3-C5-C6-C7
14	g	813	CLA	CAA-CBA-CGA-O2A
14	f	202	CLA	CAA-CBA-CGA-O2A
14	A	802	CLA	C16-C17-C18-C19
14	B	826	CLA	C4-C3-C5-C6
14	G	806	CLA	C11-C10-C8-C7
14	G	832	CLA	C11-C10-C8-C7
14	G	837	CLA	C11-C10-C8-C7
14	N	812	CLA	C6-C7-C8-C10
14	N	828	CLA	C11-C12-C13-C15
14	g	806	CLA	C11-C12-C13-C15
14	n	811	CLA	C2-C3-C5-C6
14	A	804	CLA	C2-C3-C5-C6
14	A	832	CLA	C2-C3-C5-C6
14	B	807	CLA	C12-C13-C15-C16
14	B	828	CLA	C6-C7-C8-C10
14	L	1502	CLA	C6-C7-C8-C10
14	b	804	CLA	C2-C3-C5-C6
14	b	810	CLA	C2-C3-C5-C6
14	G	835	CLA	CAA-CBA-CGA-O2A
14	n	820	CLA	CAA-CBA-CGA-O2A
14	k	101	CLA	CAA-CBA-CGA-O2A
14	N	805	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	b	810	CLA	C5-C6-C7-C8
18	S	202	LHG	C34-C35-C36-C37
17	a	846	BCR	C9-C10-C11-C12
18	m	101	LHG	C11-C12-C13-C14
20	x	1702	SQD	C28-C29-C30-C31
21	N	802	LMG	O1-C7-C8-O7
14	a	824	CLA	CBA-CGA-O2A-C1
14	n	826	CLA	CBD-CGD-O2D-CED
14	s	202	CLA	CAA-CBA-CGA-O2A
14	A	809	CLA	CAA-CBA-CGA-O2A
14	l	204	CLA	CAA-CBA-CGA-O2A
14	x	1701	CLA	O2A-C1-C2-C3
14	n	833	CLA	CAA-CBA-CGA-O2A
14	a	827	CLA	CAA-CBA-CGA-O2A
18	g	849	LHG	O7-C7-C8-C9
21	n	848	LMG	C23-C24-C25-C26
14	b	830	CLA	C10-C11-C12-C13
21	B	849	LMG	C21-C22-C23-C24
18	G	850	LHG	C25-C26-C27-C28
14	N	811	CLA	CAA-CBA-CGA-O2A
14	u	102	CLA	CAA-CBA-CGA-O2A
14	B	834	CLA	CAA-CBA-CGA-O2A
18	S	202	LHG	O7-C7-C8-C9
18	g	850	LHG	O8-C23-C24-C25
18	a	849	LHG	O8-C23-C24-C25
14	N	812	CLA	C4-C3-C5-C6
14	N	825	CLA	C4-C3-C5-C6
14	N	839	CLA	C10-C11-C12-C13
14	b	804	CLA	C13-C15-C16-C17
14	B	804	CLA	C4C-C3C-CAC-CBC
14	A	855	CLA	CAA-CBA-CGA-O2A
14	N	815	CLA	C2-C3-C5-C6
14	n	813	CLA	C2-C3-C5-C6
14	A	825	CLA	C2-C3-C5-C6
14	B	850	CLA	C2-C3-C5-C6
14	b	828	CLA	C2-C3-C5-C6
14	b	818	CLA	CAA-CBA-CGA-O2A
18	g	849	LHG	O8-C23-C24-C25
14	g	802	CLA	C6-C7-C8-C9
14	G	804	CLA	C11-C12-C13-C14
14	G	810	CLA	C6-C7-C8-C9
14	G	827	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	N	808	CLA	C6-C7-C8-C9
14	N	808	CLA	C14-C13-C15-C16
14	N	830	CLA	C11-C12-C13-C14
14	g	819	CLA	C11-C10-C8-C9
14	g	827	CLA	C11-C12-C13-C14
14	g	837	CLA	C11-C12-C13-C14
14	n	804	CLA	C14-C13-C15-C16
14	w	204	CLA	C6-C7-C8-C9
14	A	810	CLA	C6-C7-C8-C9
14	A	820	CLA	C6-C7-C8-C9
14	A	833	CLA	C6-C7-C8-C9
14	A	833	CLA	C11-C12-C13-C14
14	B	807	CLA	C6-C7-C8-C9
14	B	814	CLA	C11-C10-C8-C9
14	B	819	CLA	C6-C7-C8-C9
14	B	826	CLA	C14-C13-C15-C16
14	a	832	CLA	C11-C12-C13-C14
14	b	810	CLA	C11-C12-C13-C14
14	b	824	CLA	C11-C12-C13-C14
15	G	841	PQN	C24-C23-C25-C26
15	A	842	PQN	C16-C17-C18-C19
19	G	851	CL0	C11-C10-C8-C9
14	a	824	CLA	O1A-CGA-O2A-C1
14	g	814	CLA	CAA-CBA-CGA-O1A
14	g	820	CLA	CAA-CBA-CGA-O2A
14	A	814	CLA	CAA-CBA-CGA-O1A
14	A	815	CLA	CAA-CBA-CGA-O1A
14	B	817	CLA	CAA-CBA-CGA-O2A
14	B	822	CLA	CAA-CBA-CGA-O2A
14	a	852	CLA	CAA-CBA-CGA-O2A
14	g	837	CLA	C10-C11-C12-C13
14	G	828	CLA	C3A-C2A-CAA-CBA
14	G	835	CLA	C3A-C2A-CAA-CBA
14	N	805	CLA	C3A-C2A-CAA-CBA
14	A	801	CLA	C3A-C2A-CAA-CBA
14	A	839	CLA	C3A-C2A-CAA-CBA
14	B	814	CLA	C3A-C2A-CAA-CBA
14	a	830	CLA	C3A-C2A-CAA-CBA
14	a	853	CLA	C3A-C2A-CAA-CBA
14	G	826	CLA	CAA-CBA-CGA-O2A
14	g	806	CLA	CAA-CBA-CGA-O2A
14	a	821	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	B	813	CLA	C6-C7-C8-C9
14	G	814	CLA	CAA-CBA-CGA-O2A
14	g	813	CLA	CAA-CBA-CGA-O1A
14	n	835	CLA	CAA-CBA-CGA-O2A
14	B	821	CLA	CAA-CBA-CGA-O1A
14	F	202	CLA	CAA-CBA-CGA-O2A
14	f	202	CLA	CAA-CBA-CGA-O1A
14	k	101	CLA	CAA-CBA-CGA-O1A
14	G	811	CLA	CAD-CBD-CGD-O2D
14	G	812	CLA	CAD-CBD-CGD-O2D
14	G	817	CLA	CAD-CBD-CGD-O2D
14	G	819	CLA	CAD-CBD-CGD-O2D
14	G	825	CLA	CAD-CBD-CGD-O2D
14	G	836	CLA	CAD-CBD-CGD-O2D
14	G	839	CLA	CAD-CBD-CGD-O2D
14	G	840	CLA	CAD-CBD-CGD-O2D
14	H	1701	CLA	CAD-CBD-CGD-O2D
14	g	802	CLA	CAD-CBD-CGD-O2D
14	g	804	CLA	CAD-CBD-CGD-O2D
14	g	813	CLA	CAD-CBD-CGD-O2D
14	g	820	CLA	CAD-CBD-CGD-O2D
14	g	824	CLA	CAD-CBD-CGD-O2D
14	g	833	CLA	CAD-CBD-CGD-O2D
14	g	840	CLA	CAD-CBD-CGD-O2D
14	n	804	CLA	CAD-CBD-CGD-O2D
14	n	813	CLA	CAD-CBD-CGD-O2D
14	n	822	CLA	CAD-CBD-CGD-O2D
14	n	834	CLA	CAD-CBD-CGD-O2D
14	n	852	CLA	CAD-CBD-CGD-O2D
14	w	205	CLA	CAD-CBD-CGD-O2D
14	A	804	CLA	CAD-CBD-CGD-O2D
14	A	809	CLA	CAD-CBD-CGD-O2D
14	A	810	CLA	CAD-CBD-CGD-O2D
14	A	811	CLA	CAD-CBD-CGD-O2D
14	A	812	CLA	CAD-CBD-CGD-O2D
14	A	815	CLA	CAD-CBD-CGD-O2D
14	A	822	CLA	CAD-CBD-CGD-O2D
14	B	813	CLA	CAD-CBD-CGD-O2D
14	B	824	CLA	CAD-CBD-CGD-O2D
14	B	836	CLA	CAD-CBD-CGD-O2D
14	B	839	CLA	CAD-CBD-CGD-O2D
14	B	850	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	L	1503	CLA	CAD-CBD-CGD-O2D
14	a	810	CLA	CAD-CBD-CGD-O2D
14	a	814	CLA	CAD-CBD-CGD-O2D
14	a	821	CLA	CAD-CBD-CGD-O2D
14	a	824	CLA	CAD-CBD-CGD-O2D
14	a	833	CLA	CAD-CBD-CGD-O2D
14	a	839	CLA	CAD-CBD-CGD-O2D
14	x	1701	CLA	CAD-CBD-CGD-O2D
14	b	806	CLA	CAD-CBD-CGD-O2D
14	b	816	CLA	CAD-CBD-CGD-O2D
14	b	821	CLA	CAD-CBD-CGD-O2D
14	b	825	CLA	CAD-CBD-CGD-O2D
14	b	833	CLA	CAD-CBD-CGD-O2D
14	b	853	CLA	CAD-CBD-CGD-O2D
14	l	204	CLA	CAD-CBD-CGD-O2D
19	a	851	CL0	CAD-CBD-CGD-O2D
14	N	831	CLA	C16-C17-C18-C19
14	B	850	CLA	C16-C17-C18-C19
21	n	848	LMG	C32-C33-C34-C35
21	b	849	LMG	C42-C43-C44-C45
14	G	812	CLA	C10-C11-C12-C13
14	a	809	CLA	C13-C15-C16-C17
14	g	821	CLA	C2A-CAA-CBA-CGA
14	B	806	CLA	C2-C1-O2A-CGA
14	B	815	CLA	C2-C1-O2A-CGA
14	a	822	CLA	CAA-CBA-CGA-O2A
18	a	850	LHG	C14-C15-C16-C17
14	A	808	CLA	CAA-CBA-CGA-O2A
14	B	824	CLA	CAA-CBA-CGA-O2A
14	B	841	CLA	CAA-CBA-CGA-O2A
14	b	811	CLA	CAA-CBA-CGA-O2A
18	A	851	LHG	C19-C20-C21-C22
14	A	830	CLA	CBA-CGA-O2A-C1
14	A	807	CLA	C4-C3-C5-C6
14	a	823	CLA	C4-C3-C5-C6
14	a	809	CLA	C16-C17-C18-C20
14	B	833	CLA	C3-C5-C6-C7
14	W	204	CLA	CAA-CBA-CGA-O1A
14	n	834	CLA	CAA-CBA-CGA-O1A
14	B	819	CLA	C2-C3-C5-C6
14	G	807	CLA	CAA-CBA-CGA-O2A
14	N	819	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	g	838	CLA	CAA-CBA-CGA-O2A
14	B	810	CLA	CAA-CBA-CGA-O2A
14	a	806	CLA	CAA-CBA-CGA-O2A
14	a	854	CLA	CAA-CBA-CGA-O2A
18	g	849	LHG	C9-C10-C11-C12
14	A	830	CLA	O1A-CGA-O2A-C1
17	N	847	BCR	C21-C22-C23-C24
17	W	206	BCR	C17-C18-C19-C20
17	y	101	BCR	C17-C18-C19-C20
17	A	856	BCR	C11-C12-C13-C14
17	A	856	BCR	C21-C22-C23-C24
17	B	843	BCR	C21-C22-C23-C24
17	b	843	BCR	C21-C22-C23-C24
17	j	104	BCR	C17-C18-C19-C20
17	l	206	BCR	C7-C8-C9-C10
17	l	206	BCR	C11-C12-C13-C14
21	B	802	LMG	O6-C5-C6-O5
21	B	802	LMG	O1-C7-C8-C9
14	g	820	CLA	CAA-CBA-CGA-O1A
14	n	820	CLA	CAA-CBA-CGA-O1A
14	A	855	CLA	CAA-CBA-CGA-O1A
14	a	814	CLA	CAA-CBA-CGA-O1A
20	l	201	SQD	C9-C10-C11-C12
21	B	849	LMG	C41-C42-C43-C44
20	x	1702	SQD	C24-C25-C26-C27
14	A	824	CLA	C8-C10-C11-C12
14	A	819	CLA	CAA-CBA-CGA-O2A
14	A	839	CLA	CAA-CBA-CGA-O2A
14	B	806	CLA	CAA-CBA-CGA-O2A
14	a	811	CLA	CAA-CBA-CGA-O2A
14	b	815	CLA	CAA-CBA-CGA-O2A
14	b	824	CLA	CAA-CBA-CGA-O2A
18	g	850	LHG	C31-C32-C33-C34
18	m	101	LHG	C10-C11-C12-C13
14	S	203	CLA	CAA-CBA-CGA-O1A
14	S	203	CLA	CAA-CBA-CGA-O2A
14	B	804	CLA	CAA-CBA-CGA-O1A
14	B	822	CLA	CAA-CBA-CGA-O1A
14	A	838	CLA	C13-C15-C16-C17
14	G	817	CLA	O2A-C1-C2-C3
14	G	819	CLA	O2A-C1-C2-C3
14	N	801	CLA	O2A-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
14	N	804	CLA	O2A-C1-C2-C3
14	N	805	CLA	O2A-C1-C2-C3
14	N	819	CLA	O2A-C1-C2-C3
14	g	818	CLA	O2A-C1-C2-C3
14	g	830	CLA	O2A-C1-C2-C3
14	A	827	CLA	O2A-C1-C2-C3
14	B	818	CLA	O2A-C1-C2-C3
14	a	803	CLA	O2A-C1-C2-C3
14	a	818	CLA	O2A-C1-C2-C3
14	a	823	CLA	O2A-C1-C2-C3
14	a	830	CLA	O2A-C1-C2-C3
14	a	837	CLA	O2A-C1-C2-C3
14	b	818	CLA	O2A-C1-C2-C3
18	G	849	LHG	C25-C26-C27-C28
14	G	832	CLA	C2A-CAA-CBA-CGA
14	N	807	CLA	C2A-CAA-CBA-CGA
14	B	805	CLA	CAA-CBA-CGA-O2A
14	B	818	CLA	CAA-CBA-CGA-O2A
18	A	850	LHG	O8-C23-C24-C25
14	b	833	CLA	CAA-CBA-CGA-O1A
14	G	814	CLA	CAA-CBA-CGA-O1A
14	u	101	CLA	CAA-CBA-CGA-O2A
14	B	836	CLA	CAA-CBA-CGA-O2A
14	F	202	CLA	CAA-CBA-CGA-O1A
14	l	204	CLA	CAA-CBA-CGA-O1A
14	N	811	CLA	C5-C6-C7-C8
14	N	825	CLA	C16-C17-C18-C19
14	A	824	CLA	C16-C17-C18-C20
14	G	813	CLA	CHA-CBD-CGD-O2D
14	G	824	CLA	CHA-CBD-CGD-O1D
14	G	824	CLA	CHA-CBD-CGD-O2D
14	G	830	CLA	CHA-CBD-CGD-O1D
14	G	830	CLA	CHA-CBD-CGD-O2D
14	G	853	CLA	CHA-CBD-CGD-O1D
14	G	853	CLA	CHA-CBD-CGD-O2D
14	N	807	CLA	CHA-CBD-CGD-O1D
14	N	816	CLA	CHA-CBD-CGD-O1D
14	N	816	CLA	CHA-CBD-CGD-O2D
14	N	821	CLA	CHA-CBD-CGD-O1D
14	N	821	CLA	CHA-CBD-CGD-O2D
14	N	825	CLA	CHA-CBD-CGD-O2D
14	N	828	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	N	832	CLA	CHA-CBD-CGD-O1D
14	N	833	CLA	CHA-CBD-CGD-O1D
14	N	833	CLA	CHA-CBD-CGD-O2D
14	N	837	CLA	CHA-CBD-CGD-O1D
14	N	837	CLA	CHA-CBD-CGD-O2D
14	S	201	CLA	CHA-CBD-CGD-O1D
14	S	201	CLA	CHA-CBD-CGD-O2D
14	W	203	CLA	CHA-CBD-CGD-O2D
14	W	204	CLA	CHA-CBD-CGD-O2D
14	g	805	CLA	CHA-CBD-CGD-O1D
14	g	805	CLA	CHA-CBD-CGD-O2D
14	g	832	CLA	CHA-CBD-CGD-O2D
14	g	836	CLA	CHA-CBD-CGD-O1D
14	g	836	CLA	CHA-CBD-CGD-O2D
14	g	837	CLA	CHA-CBD-CGD-O1D
14	g	837	CLA	CHA-CBD-CGD-O2D
14	g	852	CLA	CHA-CBD-CGD-O1D
14	g	852	CLA	CHA-CBD-CGD-O2D
14	n	810	CLA	CHA-CBD-CGD-O1D
14	n	810	CLA	CHA-CBD-CGD-O2D
14	n	821	CLA	CHA-CBD-CGD-O2D
14	n	823	CLA	CHA-CBD-CGD-O2D
14	n	830	CLA	CHA-CBD-CGD-O1D
14	n	835	CLA	CHA-CBD-CGD-O1D
14	n	835	CLA	CHA-CBD-CGD-O2D
14	n	837	CLA	CHA-CBD-CGD-O1D
14	n	837	CLA	CHA-CBD-CGD-O2D
14	t	101	CLA	CHA-CBD-CGD-O1D
14	t	101	CLA	CHA-CBD-CGD-O2D
14	A	801	CLA	CHA-CBD-CGD-O1D
14	A	801	CLA	CHA-CBD-CGD-O2D
14	A	806	CLA	CHA-CBD-CGD-O1D
14	A	806	CLA	CHA-CBD-CGD-O2D
14	A	807	CLA	CHA-CBD-CGD-O1D
14	A	807	CLA	CHA-CBD-CGD-O2D
14	A	813	CLA	CHA-CBD-CGD-O2D
14	A	820	CLA	CHA-CBD-CGD-O1D
14	A	820	CLA	CHA-CBD-CGD-O2D
14	B	810	CLA	CHA-CBD-CGD-O2D
14	B	811	CLA	CHA-CBD-CGD-O1D
14	B	811	CLA	CHA-CBD-CGD-O2D
14	B	820	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	B	820	CLA	CHA-CBD-CGD-O2D
14	B	822	CLA	CHA-CBD-CGD-O1D
14	B	822	CLA	CHA-CBD-CGD-O2D
14	B	827	CLA	CHA-CBD-CGD-O1D
14	B	830	CLA	CHA-CBD-CGD-O1D
14	B	830	CLA	CHA-CBD-CGD-O2D
14	B	833	CLA	CHA-CBD-CGD-O2D
14	B	835	CLA	CHA-CBD-CGD-O1D
14	B	835	CLA	CHA-CBD-CGD-O2D
14	J	101	CLA	CHA-CBD-CGD-O1D
14	J	101	CLA	CHA-CBD-CGD-O2D
14	L	1502	CLA	CHA-CBD-CGD-O1D
14	L	1502	CLA	CHA-CBD-CGD-O2D
14	a	806	CLA	CHA-CBD-CGD-O1D
14	a	806	CLA	CHA-CBD-CGD-O2D
14	a	811	CLA	CHA-CBD-CGD-O2D
14	a	818	CLA	CHA-CBD-CGD-O2D
14	a	820	CLA	CHA-CBD-CGD-O1D
14	a	820	CLA	CHA-CBD-CGD-O2D
14	a	822	CLA	CHA-CBD-CGD-O2D
14	a	838	CLA	CHA-CBD-CGD-O1D
14	a	838	CLA	CHA-CBD-CGD-O2D
14	a	852	CLA	CHA-CBD-CGD-O1D
14	a	852	CLA	CHA-CBD-CGD-O2D
14	b	804	CLA	CHA-CBD-CGD-O1D
14	b	804	CLA	CHA-CBD-CGD-O2D
14	b	828	CLA	CHA-CBD-CGD-O1D
14	b	828	CLA	CHA-CBD-CGD-O2D
14	b	831	CLA	CHA-CBD-CGD-O2D
14	b	836	CLA	CHA-CBD-CGD-O1D
14	b	836	CLA	CHA-CBD-CGD-O2D
14	l	202	CLA	CHA-CBD-CGD-O1D
14	l	203	CLA	CHA-CBD-CGD-O1D
14	l	203	CLA	CHA-CBD-CGD-O2D
17	B	843	BCR	C19-C20-C21-C22
14	G	823	CLA	CAA-CBA-CGA-O2A
14	G	835	CLA	CAA-CBA-CGA-O1A
14	T	101	CLA	CAA-CBA-CGA-O1A
14	n	835	CLA	CAA-CBA-CGA-O1A
14	u	101	CLA	CAA-CBA-CGA-O1A
14	b	835	CLA	CAA-CBA-CGA-O2A
15	N	843	PQN	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
20	b	801	SQD	C32-C33-C34-C35
14	N	851	CLA	C3-C5-C6-C7
14	B	823	CLA	C3-C5-C6-C7
21	N	850	LMG	C24-C25-C26-C27
18	S	202	LHG	O6-C4-C5-C6
14	A	840	CLA	CAA-CBA-CGA-O2A
18	v	102	LHG	C27-C28-C29-C30
18	m	101	LHG	C29-C30-C31-C32
14	g	812	CLA	CBA-CGA-O2A-C1
14	A	805	CLA	C10-C11-C12-C13
14	A	826	CLA	C13-C15-C16-C17
14	A	809	CLA	CAA-CBA-CGA-O1A
14	B	817	CLA	CAA-CBA-CGA-O1A
14	a	834	CLA	CAA-CBA-CGA-O1A
14	b	835	CLA	CAA-CBA-CGA-O1A
14	G	818	CLA	C5-C6-C7-C8
14	g	827	CLA	O1A-CGA-O2A-C1
14	N	842	CLA	CAA-CBA-CGA-O2A
14	g	807	CLA	CAA-CBA-CGA-O2A
14	B	814	CLA	CAA-CBA-CGA-O2A
14	B	839	CLA	CAA-CBA-CGA-O2A
14	a	807	CLA	CAA-CBA-CGA-O2A
14	b	823	CLA	CAA-CBA-CGA-O2A
14	n	816	CLA	C2A-CAA-CBA-CGA
14	n	808	CLA	C16-C17-C18-C19
14	N	818	CLA	CAA-CBA-CGA-O2A
14	B	835	CLA	CAA-CBA-CGA-O2A
14	B	836	CLA	CAA-CBA-CGA-O1A
14	b	836	CLA	CAA-CBA-CGA-O2A
14	a	801	CLA	C8-C10-C11-C12
14	g	827	CLA	CBA-CGA-O2A-C1
14	a	827	CLA	CBA-CGA-O2A-C1
21	N	802	LMG	C11-C10-O7-C8
14	B	831	CLA	C4-C3-C5-C6
21	b	849	LMG	C41-C42-C43-C44
14	g	812	CLA	O1A-CGA-O2A-C1
18	a	849	LHG	O10-C23-C24-C25
14	G	834	CLA	C6-C7-C8-C9
14	G	805	CLA	C11-C10-C8-C7
14	G	808	CLA	C6-C7-C8-C10
14	G	820	CLA	C11-C12-C13-C15
14	G	853	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
14	N	810	CLA	C6-C7-C8-C10
14	N	811	CLA	C12-C13-C15-C16
14	g	821	CLA	C2-C3-C5-C6
14	g	826	CLA	C6-C7-C8-C10
14	g	831	CLA	C2-C3-C5-C6
14	n	819	CLA	C11-C10-C8-C7
14	n	850	CLA	C11-C10-C8-C7
14	A	805	CLA	C6-C7-C8-C10
14	B	824	CLA	C11-C10-C8-C7
14	B	826	CLA	C2-C3-C5-C6
14	b	805	CLA	C12-C13-C15-C16
14	b	809	CLA	C12-C13-C15-C16
14	A	818	CLA	C16-C17-C18-C19
14	b	828	CLA	C16-C17-C18-C19
21	n	848	LMG	C13-C14-C15-C16
14	G	808	CLA	C11-C10-C8-C9
14	N	826	CLA	C6-C7-C8-C9
14	g	803	CLA	C14-C13-C15-C16
14	g	836	CLA	C6-C7-C8-C9
14	g	837	CLA	C6-C7-C8-C9
14	n	826	CLA	C6-C7-C8-C9
14	A	802	CLA	C11-C10-C8-C9
14	A	805	CLA	C6-C7-C8-C9
14	A	829	CLA	C11-C10-C8-C9
14	B	818	CLA	C14-C13-C15-C16
14	b	806	CLA	C11-C10-C8-C9
14	b	819	CLA	C11-C10-C8-C9
14	b	820	CLA	C11-C10-C8-C9
17	I	102	BCR	C15-C16-C17-C18
14	b	814	CLA	C5-C6-C7-C8
14	N	817	CLA	O2A-C1-C2-C3
18	v	102	LHG	C17-C18-C19-C20
18	v	102	LHG	C19-C20-C21-C22
18	X	1702	LHG	O8-C23-C24-C25
14	b	814	CLA	CAA-CBA-CGA-O1A
18	S	202	LHG	O9-C7-C8-C9
14	N	828	CLA	C16-C17-C18-C20
14	A	828	CLA	C16-C17-C18-C19
14	a	833	CLA	C6-C7-C8-C9
20	h	1702	SQD	C34-C35-C36-C37
14	s	202	CLA	CAA-CBA-CGA-O1A
14	H	1701	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	n	818	CLA	C2A-CAA-CBA-CGA
14	a	826	CLA	C2A-CAA-CBA-CGA
14	b	822	CLA	C2A-CAA-CBA-CGA
18	g	850	LHG	O10-C23-C24-C25
14	N	814	CLA	C2C-C3C-CAC-CBC
14	b	841	CLA	C4C-C3C-CAC-CBC
14	n	806	CLA	CAA-CBA-CGA-O2A
14	a	822	CLA	CAA-CBA-CGA-O1A
17	N	847	BCR	C37-C22-C23-C24
17	w	207	BCR	C7-C8-C9-C34
14	g	806	CLA	CAA-CBA-CGA-O1A
14	u	102	CLA	CAA-CBA-CGA-O1A
14	g	831	CLA	C16-C17-C18-C20
14	A	833	CLA	C16-C17-C18-C20
14	G	837	CLA	C4-C3-C5-C6
14	A	832	CLA	C4-C3-C5-C6
14	N	825	CLA	CAA-CBA-CGA-O2A
14	N	819	CLA	CAA-CBA-CGA-O1A
14	B	834	CLA	CAA-CBA-CGA-O1A
14	a	827	CLA	CAA-CBA-CGA-O1A
17	w	207	BCR	C11-C12-C13-C14
14	n	819	CLA	C8-C10-C11-C12
14	a	853	CLA	C15-C16-C17-C18
14	G	810	CLA	C1A-C2A-CAA-CBA
14	G	817	CLA	C1A-C2A-CAA-CBA
14	G	825	CLA	C1A-C2A-CAA-CBA
14	G	828	CLA	C1A-C2A-CAA-CBA
14	G	831	CLA	C1A-C2A-CAA-CBA
14	G	833	CLA	C1A-C2A-CAA-CBA
14	G	835	CLA	C1A-C2A-CAA-CBA
14	N	805	CLA	C1A-C2A-CAA-CBA
14	U	101	CLA	C1A-C2A-CAA-CBA
14	n	821	CLA	C1A-C2A-CAA-CBA
14	n	826	CLA	C1A-C2A-CAA-CBA
14	n	829	CLA	C1A-C2A-CAA-CBA
14	A	804	CLA	C1A-C2A-CAA-CBA
14	A	822	CLA	C1A-C2A-CAA-CBA
14	A	831	CLA	C1A-C2A-CAA-CBA
14	A	839	CLA	C1A-C2A-CAA-CBA
14	B	824	CLA	C1A-C2A-CAA-CBA
14	B	827	CLA	C1A-C2A-CAA-CBA
14	a	824	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	f	201	CLA	C1A-C2A-CAA-CBA
20	H	1702	SQD	C26-C27-C28-C29
14	n	823	CLA	C16-C17-C18-C19
14	g	838	CLA	CAA-CBA-CGA-O1A
14	B	810	CLA	CAA-CBA-CGA-O1A
14	B	841	CLA	CAA-CBA-CGA-O1A
14	a	821	CLA	CAA-CBA-CGA-O1A
14	b	815	CLA	CAA-CBA-CGA-O1A
18	g	849	LHG	O9-C7-C8-C9
19	A	852	CL0	CAA-CBA-CGA-O2A
14	g	825	CLA	C5-C6-C7-C8
14	g	832	CLA	C5-C6-C7-C8
14	G	807	CLA	CAA-CBA-CGA-O1A
14	G	826	CLA	CAA-CBA-CGA-O1A
14	B	805	CLA	CAA-CBA-CGA-O1A
14	B	818	CLA	CAA-CBA-CGA-O1A
14	a	806	CLA	CAA-CBA-CGA-O1A
14	a	854	CLA	CAA-CBA-CGA-O1A
14	b	818	CLA	CAA-CBA-CGA-O1A
18	A	850	LHG	O10-C23-C24-C25
20	B	801	SQD	O6-C44-C45-C46
20	x	1702	SQD	O6-C44-C45-C46
21	N	802	LMG	O1-C7-C8-C9
14	A	812	CLA	CAA-CBA-CGA-O2A
14	G	822	CLA	C2A-CAA-CBA-CGA
14	A	817	CLA	C2A-CAA-CBA-CGA
14	B	813	CLA	C2A-CAA-CBA-CGA
14	N	811	CLA	CAA-CBA-CGA-O1A
14	n	832	CLA	CAA-CBA-CGA-O1A
14	n	833	CLA	CAA-CBA-CGA-O1A
14	A	808	CLA	CAA-CBA-CGA-O1A
14	g	830	CLA	C5-C6-C7-C8
14	a	807	CLA	C8-C10-C11-C12
14	a	827	CLA	O1A-CGA-O2A-C1
14	n	806	CLA	CAA-CBA-CGA-O1A
14	a	807	CLA	CAA-CBA-CGA-O1A
14	b	811	CLA	CAA-CBA-CGA-O1A
14	j	101	CLA	CAA-CBA-CGA-O2A
14	n	803	CLA	C5-C6-C7-C8
14	A	802	CLA	C5-C6-C7-C8
14	A	829	CLA	C10-C11-C12-C13
21	B	802	LMG	C30-C31-C32-C33

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Mol	Chain	Res	Type	Atoms
18	X	1702	LHG	C4-O6-P-O5
14	N	804	CLA	C4C-C3C-CAC-CBC
14	A	825	CLA	C6-C7-C8-C9
21	N	850	LMG	C36-C37-C38-C39
14	A	840	CLA	CAA-CBA-CGA-O1A
14	b	824	CLA	CAA-CBA-CGA-O1A
18	g	849	LHG	O10-C23-C24-C25
14	a	836	CLA	CAA-CBA-CGA-O2A
14	G	852	CLA	CAA-CBA-CGA-O2A
17	g	847	BCR	C23-C24-C25-C30
17	A	848	BCR	C23-C24-C25-C30
17	K	102	BCR	C5-C6-C7-C8
14	a	825	CLA	C10-C11-C12-C13
14	b	808	CLA	C10-C11-C12-C13
14	b	811	CLA	C10-C11-C12-C13
14	B	824	CLA	CAA-CBA-CGA-O1A
20	x	1702	SQD	C31-C32-C33-C34
20	l	201	SQD	C14-C15-C16-C17
14	A	833	CLA	CAA-CBA-CGA-O2A
14	A	837	CLA	CAA-CBA-CGA-O2A
14	N	814	CLA	C4C-C3C-CAC-CBC
14	N	801	CLA	C15-C16-C17-C18
14	l	203	CLA	C5-C6-C7-C8
14	B	835	CLA	CAA-CBA-CGA-O1A
14	g	807	CLA	C16-C17-C18-C20
14	a	809	CLA	C16-C17-C18-C19
14	a	838	CLA	C2A-CAA-CBA-CGA
14	g	823	CLA	C10-C11-C12-C13
14	B	837	CLA	C5-C6-C7-C8
14	G	823	CLA	CAA-CBA-CGA-O1A
14	N	818	CLA	CAA-CBA-CGA-O1A
14	b	821	CLA	CAA-CBA-CGA-O2A
14	b	836	CLA	CAA-CBA-CGA-O1A
14	j	101	CLA	CAA-CBA-CGA-O1A
14	S	201	CLA	CAA-CBA-CGA-O2A
14	g	825	CLA	CAA-CBA-CGA-O2A
14	G	824	CLA	C13-C15-C16-C17
14	G	838	CLA	C8-C10-C11-C12
14	a	823	CLA	C15-C16-C17-C18
14	A	819	CLA	CAA-CBA-CGA-O1A
14	a	811	CLA	CAA-CBA-CGA-O1A
14	n	811	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B	850	CLA	C4-C3-C5-C6
14	N	811	CLA	C2-C3-C5-C6
14	A	819	CLA	C2-C3-C5-C6
14	A	831	CLA	C2-C3-C5-C6
14	B	820	CLA	C8-C10-C11-C12
14	A	826	CLA	C16-C17-C18-C20
14	w	203	CLA	CAA-CBA-CGA-O2A
14	G	827	CLA	CAD-CBD-CGD-O1D
14	N	810	CLA	CAD-CBD-CGD-O1D
14	N	820	CLA	CAD-CBD-CGD-O1D
14	N	821	CLA	CAD-CBD-CGD-O1D
14	N	832	CLA	CAD-CBD-CGD-O1D
14	N	838	CLA	CAD-CBD-CGD-O1D
14	W	204	CLA	CAD-CBD-CGD-O1D
14	g	807	CLA	CAD-CBD-CGD-O1D
14	g	816	CLA	CAD-CBD-CGD-O1D
14	g	831	CLA	CAD-CBD-CGD-O1D
14	g	852	CLA	CAD-CBD-CGD-O1D
14	g	854	CLA	CAD-CBD-CGD-O1D
14	n	803	CLA	CAD-CBD-CGD-O1D
14	n	807	CLA	CAD-CBD-CGD-O1D
14	A	824	CLA	CAD-CBD-CGD-O1D
14	A	836	CLA	C2-C3-C5-C6
14	A	837	CLA	CAD-CBD-CGD-O1D
14	X	1701	CLA	CAD-CBD-CGD-O1D
14	B	812	CLA	CAD-CBD-CGD-O1D
14	B	820	CLA	CAD-CBD-CGD-O1D
14	B	825	CLA	CAD-CBD-CGD-O1D
14	B	827	CLA	CAD-CBD-CGD-O1D
14	B	835	CLA	CAD-CBD-CGD-O1D
14	a	811	CLA	CAD-CBD-CGD-O1D
14	b	804	CLA	CAD-CBD-CGD-O1D
14	b	813	CLA	CAD-CBD-CGD-O1D
14	b	825	CLA	CAD-CBD-CGD-O1D
14	l	202	CLA	CAD-CBD-CGD-O1D
14	B	839	CLA	CAA-CBA-CGA-O1A
14	b	823	CLA	CAA-CBA-CGA-O1A
14	g	810	CLA	CAA-CBA-CGA-O2A
14	g	854	CLA	CAA-CBA-CGA-O2A
21	N	850	LMG	O7-C10-C11-C12
21	B	849	LMG	O7-C10-C11-C12
14	g	816	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	A	818	CLA	C13-C15-C16-C17
14	G	810	CLA	C11-C10-C8-C9
14	G	810	CLA	C14-C13-C15-C16
14	N	810	CLA	C6-C7-C8-C9
14	N	821	CLA	C11-C12-C13-C14
14	S	201	CLA	C6-C7-C8-C9
14	g	805	CLA	C6-C7-C8-C9
14	g	826	CLA	C6-C7-C8-C9
14	g	826	CLA	C11-C12-C13-C14
14	n	819	CLA	C11-C10-C8-C9
14	B	808	CLA	C11-C10-C8-C9
14	B	818	CLA	C11-C10-C8-C9
14	L	1502	CLA	C11-C10-C8-C9
14	a	823	CLA	C11-C10-C8-C9
14	b	808	CLA	C11-C10-C8-C9
14	b	851	CLA	C6-C7-C8-C9
14	g	815	CLA	C11-C12-C13-C14
14	a	834	CLA	CAA-CBA-CGA-O2A
14	B	826	CLA	C8-C10-C11-C12
14	n	817	CLA	C3-C5-C6-C7
14	G	804	CLA	CAA-CBA-CGA-O2A
14	G	816	CLA	CAA-CBA-CGA-O2A
14	G	827	CLA	CAA-CBA-CGA-O2A
14	G	833	CLA	CAA-CBA-CGA-O2A
14	g	826	CLA	CAA-CBA-CGA-O2A
14	n	809	CLA	CAA-CBA-CGA-O2A
14	A	822	CLA	CAA-CBA-CGA-O2A
14	n	811	CLA	C6-C7-C8-C9
14	a	825	CLA	C8-C10-C11-C12
14	G	832	CLA	C13-C15-C16-C17
14	g	811	CLA	C2A-CAA-CBA-CGA
14	A	837	CLA	C2A-CAA-CBA-CGA
14	A	853	CLA	C2A-CAA-CBA-CGA
14	S	201	CLA	C11-C12-C13-C14
14	g	823	CLA	CAA-CBA-CGA-O2A
14	A	816	CLA	CAA-CBA-CGA-O2A
14	A	830	CLA	CAA-CBA-CGA-O2A
14	A	854	CLA	CAA-CBA-CGA-O2A
14	A	857	CLA	CAA-CBA-CGA-O2A
14	B	813	CLA	CAA-CBA-CGA-O2A
14	B	823	CLA	CAA-CBA-CGA-O2A
18	G	850	LHG	O8-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
14	G	824	CLA	C15-C16-C17-C18
14	n	825	CLA	C15-C16-C17-C18
14	a	810	CLA	C2C-C3C-CAC-CBC
14	A	820	CLA	C4-C3-C5-C6
14	a	819	CLA	C4-C3-C5-C6
14	b	840	CLA	C4-C3-C5-C6
14	G	804	CLA	C11-C10-C8-C7
14	N	808	CLA	C11-C12-C13-C15
14	N	810	CLA	C11-C10-C8-C7
14	N	821	CLA	C11-C10-C8-C7
14	S	201	CLA	C6-C7-C8-C10
14	g	803	CLA	C12-C13-C15-C16
14	g	805	CLA	C6-C7-C8-C10
14	g	807	CLA	C12-C13-C15-C16
14	g	810	CLA	C2-C3-C5-C6
14	g	823	CLA	C11-C10-C8-C7
14	g	826	CLA	C11-C12-C13-C15
14	n	806	CLA	C11-C10-C8-C7
14	n	806	CLA	C12-C13-C15-C16
14	n	826	CLA	C6-C7-C8-C10
14	n	827	CLA	C12-C13-C15-C16
14	n	829	CLA	C11-C10-C8-C7
14	A	802	CLA	C6-C7-C8-C10
14	A	807	CLA	C6-C7-C8-C10
14	A	807	CLA	C11-C12-C13-C15
14	A	811	CLA	C2-C3-C5-C6
14	A	812	CLA	C3A-C2A-CAA-CBA
14	A	817	CLA	C6-C7-C8-C10
14	A	826	CLA	C6-C7-C8-C10
14	A	829	CLA	C11-C10-C8-C7
14	B	811	CLA	C6-C7-C8-C10
14	B	814	CLA	C12-C13-C15-C16
14	B	824	CLA	C6-C7-C8-C10
14	L	1502	CLA	C11-C10-C8-C7
14	a	826	CLA	C11-C12-C13-C15
14	b	803	CLA	C6-C7-C8-C10
14	b	806	CLA	C11-C10-C8-C7
14	b	814	CLA	C11-C12-C13-C15
14	b	817	CLA	C3A-C2A-CAA-CBA
14	b	837	CLA	C3A-C2A-CAA-CBA
15	B	842	PQN	C22-C23-C25-C26
14	N	825	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	N	842	CLA	CAA-CBA-CGA-O1A
14	g	826	CLA	CAA-CBA-CGA-O1A
14	g	832	CLA	CAA-CBA-CGA-O1A
14	b	821	CLA	CAA-CBA-CGA-O1A
14	N	812	CLA	CAA-CBA-CGA-O2A
14	N	834	CLA	CAA-CBA-CGA-O2A
14	g	815	CLA	CAA-CBA-CGA-O2A
14	g	818	CLA	CAA-CBA-CGA-O2A
14	a	810	CLA	CAA-CBA-CGA-O2A
14	a	832	CLA	CAA-CBA-CGA-O2A
14	b	802	CLA	CAA-CBA-CGA-O2A
18	a	850	LHG	O8-C23-C24-C25
21	n	848	LMG	O7-C10-C11-C12
20	n	801	SQD	C24-C25-C26-C27
14	G	811	CLA	C3-C5-C6-C7
17	T	104	BCR	C11-C12-C13-C14
17	g	844	BCR	C21-C22-C23-C24
17	n	846	BCR	C7-C8-C9-C10
17	n	851	BCR	C21-C22-C23-C24
17	w	201	BCR	C21-C22-C23-C24
17	w	206	BCR	C7-C8-C9-C10
17	w	207	BCR	C7-C8-C9-C10
17	B	851	BCR	C21-C22-C23-C24
14	G	833	CLA	CAA-CBA-CGA-O1A
14	g	807	CLA	CAA-CBA-CGA-O1A
14	A	812	CLA	CAA-CBA-CGA-O1A
14	B	814	CLA	CAA-CBA-CGA-O1A
18	G	850	LHG	O10-C23-C24-C25
21	N	850	LMG	O9-C10-C11-C12
14	t	101	CLA	CAA-CBA-CGA-O1A
17	T	104	BCR	C13-C14-C15-C16
17	a	846	BCR	C15-C16-C17-C18
14	G	824	CLA	CAA-CBA-CGA-O2A
14	N	824	CLA	CAA-CBA-CGA-O2A
14	n	822	CLA	CAA-CBA-CGA-O2A
14	a	815	CLA	CAA-CBA-CGA-O2A
18	a	850	LHG	C17-C18-C19-C20
14	g	836	CLA	C5-C6-C7-C8
14	B	818	CLA	C10-C11-C12-C13
14	G	827	CLA	CAA-CBA-CGA-O1A
14	g	854	CLA	CAA-CBA-CGA-O1A
14	A	816	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	A	854	CLA	CAA-CBA-CGA-O1A
14	B	813	CLA	CAA-CBA-CGA-O1A
14	a	810	CLA	CAA-CBA-CGA-O1A
14	b	802	CLA	CAA-CBA-CGA-O1A
18	a	850	LHG	O10-C23-C24-C25
18	G	850	LHG	C24-C23-O8-C6
14	G	837	CLA	C5-C6-C7-C8
14	N	821	CLA	C8-C10-C11-C12
14	g	825	CLA	C8-C10-C11-C12
14	G	808	CLA	CAA-CBA-CGA-O2A
14	G	830	CLA	CAA-CBA-CGA-O2A
14	G	838	CLA	CAA-CBA-CGA-O2A
14	N	840	CLA	CAA-CBA-CGA-O2A
14	g	832	CLA	CAA-CBA-CGA-O2A
14	B	831	CLA	CAA-CBA-CGA-O2A
14	L	1501	CLA	CAA-CBA-CGA-O2A
14	b	839	CLA	CAA-CBA-CGA-O2A
14	G	807	CLA	C15-C16-C17-C18
14	g	815	CLA	CAA-CBA-CGA-O1A
18	X	1702	LHG	O10-C23-C24-C25
14	n	814	CLA	C2A-CAA-CBA-CGA
14	n	807	CLA	C16-C17-C18-C20
19	A	852	CL0	CAA-CBA-CGA-O1A
14	A	813	CLA	C6-C7-C8-C9
14	N	811	CLA	C15-C16-C17-C18
14	G	808	CLA	CAA-CBA-CGA-O1A
14	n	809	CLA	CAA-CBA-CGA-O1A
14	A	822	CLA	CAA-CBA-CGA-O1A
14	g	831	CLA	C4-C3-C5-C6
14	g	821	CLA	CAA-CBA-CGA-O2A
14	b	853	CLA	CAA-CBA-CGA-O2A

There are no ring outliers.

486 monomers are involved in 1938 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	A	845	BCR	7	0
18	g	849	LHG	1	0
17	n	845	BCR	9	0
14	b	829	CLA	4	0
14	g	831	CLA	6	0
17	u	103	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	I	103	BCR	12	0
14	B	838	CLA	9	0
17	B	844	BCR	4	0
14	n	823	CLA	4	0
14	n	816	CLA	5	0
14	B	850	CLA	5	0
16	C	102	SF4	1	0
17	b	845	BCR	3	0
21	N	802	LMG	2	0
14	a	833	CLA	3	0
14	G	825	CLA	3	0
14	n	803	CLA	10	0
17	W	206	BCR	6	0
14	a	853	CLA	4	0
14	b	825	CLA	13	0
14	b	806	CLA	4	0
14	W	203	CLA	12	0
14	g	818	CLA	1	0
14	B	812	CLA	4	0
14	A	817	CLA	3	0
18	G	849	LHG	6	0
14	a	822	CLA	2	0
14	A	827	CLA	10	0
14	B	821	CLA	1	0
14	B	826	CLA	5	0
17	U	103	BCR	2	0
14	G	820	CLA	6	0
14	G	819	CLA	1	0
17	Y	101	BCR	4	0
17	l	205	BCR	5	0
14	G	835	CLA	2	0
14	g	827	CLA	8	0
14	a	813	CLA	2	0
14	A	829	CLA	4	0
14	b	841	CLA	11	0
14	B	811	CLA	3	0
17	N	844	BCR	7	0
14	g	811	CLA	5	0
14	G	837	CLA	5	0
14	A	841	CLA	1	0
14	g	819	CLA	9	0
14	a	808	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	G	804	CLA	12	0
14	S	203	CLA	3	0
14	g	809	CLA	1	0
14	a	836	CLA	3	0
17	n	851	BCR	6	0
17	i	102	BCR	6	0
14	n	806	CLA	7	0
14	G	826	CLA	2	0
17	a	844	BCR	4	0
14	N	801	CLA	4	0
14	n	805	CLA	5	0
21	N	850	LMG	6	0
14	n	814	CLA	3	0
14	N	832	CLA	5	0
14	B	807	CLA	5	0
17	b	843	BCR	5	0
14	n	807	CLA	4	0
14	A	830	CLA	7	0
19	G	851	CL0	7	0
14	G	840	CLA	2	0
17	J	103	BCR	6	0
14	b	833	CLA	6	0
21	B	849	LMG	5	0
20	w	202	SQD	3	0
14	B	810	CLA	5	0
14	A	802	CLA	12	0
14	N	820	CLA	7	0
14	H	1701	CLA	3	0
14	B	839	CLA	4	0
15	B	842	PQN	5	0
14	G	836	CLA	1	0
16	P	102	SF4	1	0
14	l	203	CLA	9	0
17	A	844	BCR	6	0
14	b	817	CLA	4	0
14	b	838	CLA	3	0
17	t	104	BCR	7	0
14	A	833	CLA	3	0
17	b	847	BCR	7	0
14	n	825	CLA	5	0
17	A	846	BCR	5	0
14	N	829	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	N	827	CLA	8	0
17	b	848	BCR	6	0
14	N	838	CLA	3	0
18	A	851	LHG	5	0
14	n	840	CLA	16	0
14	A	803	CLA	4	0
14	G	821	CLA	4	0
14	W	202	CLA	3	0
17	B	845	BCR	6	0
17	i	101	BCR	9	0
14	B	841	CLA	5	0
14	A	835	CLA	1	0
14	N	812	CLA	2	0
17	N	852	BCR	28	0
14	g	803	CLA	5	0
18	m	101	LHG	6	0
14	B	808	CLA	5	0
14	a	854	CLA	1	0
14	a	811	CLA	7	0
18	a	849	LHG	5	0
14	n	837	CLA	7	0
14	J	102	CLA	2	0
18	G	850	LHG	4	0
18	A	850	LHG	2	0
17	A	847	BCR	5	0
14	n	852	CLA	2	0
20	B	801	SQD	4	0
14	g	824	CLA	3	0
14	a	804	CLA	5	0
14	N	811	CLA	6	0
14	B	830	CLA	7	0
14	B	828	CLA	8	0
14	b	823	CLA	2	0
14	a	818	CLA	3	0
14	A	806	CLA	5	0
14	b	826	CLA	5	0
14	B	809	CLA	6	0
14	X	1701	CLA	3	0
18	S	202	LHG	4	0
14	g	832	CLA	9	0
14	N	807	CLA	5	0
14	b	819	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	a	810	CLA	2	0
14	g	822	CLA	4	0
14	B	824	CLA	4	0
20	l	201	SQD	4	0
14	B	833	CLA	5	0
15	A	842	PQN	5	0
14	A	834	CLA	3	0
15	a	841	PQN	4	0
14	n	833	CLA	1	0
17	B	843	BCR	5	0
14	N	830	CLA	3	0
14	a	809	CLA	4	0
18	X	1702	LHG	2	0
14	b	804	CLA	6	0
14	A	816	CLA	3	0
14	j	102	CLA	3	0
14	G	827	CLA	12	0
14	a	839	CLA	7	0
14	U	102	CLA	1	0
14	g	836	CLA	3	0
14	g	853	CLA	5	0
14	b	818	CLA	6	0
14	a	830	CLA	4	0
14	N	813	CLA	4	0
14	B	835	CLA	1	0
14	A	825	CLA	6	0
14	g	839	CLA	8	0
17	N	846	BCR	5	0
14	a	826	CLA	13	0
14	N	822	CLA	2	0
21	b	849	LMG	3	0
14	B	823	CLA	3	0
17	N	848	BCR	6	0
14	a	815	CLA	3	0
17	n	842	BCR	3	0
17	B	847	BCR	7	0
14	W	204	CLA	4	0
17	B	848	BCR	7	0
17	t	103	BCR	7	0
14	l	202	CLA	3	0
14	N	803	CLA	14	0
14	N	815	CLA	7	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	G	839	CLA	6	0
14	g	823	CLA	3	0
17	W	201	BCR	6	0
17	B	852	BCR	8	0
14	g	829	CLA	3	0
17	a	843	BCR	6	0
14	G	830	CLA	1	0
14	s	201	CLA	2	0
14	B	816	CLA	2	0
15	g	841	PQN	4	0
14	A	818	CLA	4	0
17	V	101	BCR	2	0
17	n	844	BCR	6	0
14	g	833	CLA	5	0
14	f	201	CLA	3	0
17	G	844	BCR	3	0
14	G	806	CLA	6	0
19	a	851	CL0	4	0
14	a	802	CLA	4	0
20	h	1702	SQD	7	0
14	b	835	CLA	1	0
14	b	808	CLA	5	0
17	A	849	BCR	10	0
14	n	820	CLA	2	0
14	B	829	CLA	4	0
14	n	831	CLA	2	0
17	I	101	BCR	6	0
14	n	826	CLA	7	0
14	N	809	CLA	2	0
14	n	834	CLA	1	0
14	A	840	CLA	3	0
14	b	821	CLA	2	0
17	a	846	BCR	7	0
17	s	203	BCR	4	0
14	G	811	CLA	1	0
14	g	807	CLA	12	0
20	b	801	SQD	6	0
14	g	826	CLA	7	0
14	N	805	CLA	6	0
17	L	1504	BCR	5	0
14	b	824	CLA	4	0
14	a	824	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B	806	CLA	3	0
17	F	203	BCR	1	0
20	x	1702	SQD	4	0
14	A	837	CLA	4	0
14	n	838	CLA	1	0
14	n	819	CLA	5	0
14	G	802	CLA	10	0
14	B	814	CLA	9	0
14	a	816	CLA	5	0
16	p	102	SF4	1	0
14	a	803	CLA	5	0
14	w	204	CLA	11	0
14	b	840	CLA	2	0
17	K	102	BCR	3	0
14	g	854	CLA	8	0
14	G	810	CLA	4	0
17	a	845	BCR	3	0
14	g	830	CLA	8	0
14	b	834	CLA	1	0
19	g	851	CL0	7	0
14	g	810	CLA	3	0
14	B	827	CLA	10	0
17	B	851	BCR	11	0
17	w	201	BCR	9	0
17	N	847	BCR	2	0
14	G	818	CLA	5	0
17	b	852	BCR	9	0
14	g	813	CLA	1	0
14	B	825	CLA	10	0
14	G	803	CLA	5	0
14	L	1501	CLA	2	0
14	b	827	CLA	7	0
14	a	806	CLA	5	0
17	g	846	BCR	8	0
14	N	823	CLA	3	0
17	M	101	BCR	4	0
14	G	817	CLA	6	0
14	a	805	CLA	5	0
14	B	815	CLA	3	0
14	N	816	CLA	3	0
14	n	817	CLA	7	0
17	g	848	BCR	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	A	852	CL0	2	0
14	j	101	CLA	3	0
14	N	839	CLA	5	0
17	T	103	BCR	3	0
17	l	206	BCR	4	0
14	b	831	CLA	5	0
14	t	101	CLA	1	0
14	n	829	CLA	6	0
14	N	831	CLA	8	0
14	G	829	CLA	6	0
17	W	205	BCR	6	0
14	G	828	CLA	7	0
14	B	837	CLA	7	0
14	g	815	CLA	5	0
14	B	822	CLA	1	0
14	n	808	CLA	10	0
17	B	846	BCR	6	0
14	G	832	CLA	5	0
17	w	207	BCR	5	0
17	v	101	BCR	7	0
14	n	818	CLA	4	0
14	n	822	CLA	3	0
14	A	823	CLA	1	0
14	b	832	CLA	4	0
21	n	848	LMG	3	0
14	N	841	CLA	4	0
14	g	808	CLA	2	0
17	G	843	BCR	12	0
14	N	836	CLA	2	0
14	A	855	CLA	21	0
14	N	817	CLA	5	0
14	n	828	CLA	6	0
14	a	827	CLA	3	0
14	G	807	CLA	5	0
14	N	825	CLA	2	0
14	N	806	CLA	4	0
14	A	819	CLA	3	0
14	A	831	CLA	7	0
14	N	814	CLA	5	0
14	g	828	CLA	7	0
15	b	842	PQN	4	0
17	S	204	BCR	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	n	813	CLA	5	0
14	A	854	CLA	7	0
14	A	801	CLA	6	0
14	g	805	CLA	4	0
14	n	832	CLA	5	0
14	A	810	CLA	4	0
14	N	834	CLA	7	0
14	b	837	CLA	8	0
14	n	836	CLA	2	0
14	G	822	CLA	1	0
17	g	843	BCR	8	0
17	G	848	BCR	6	0
14	a	825	CLA	5	0
14	G	853	CLA	4	0
14	a	829	CLA	3	0
17	a	847	BCR	3	0
14	a	852	CLA	18	0
14	A	804	CLA	9	0
14	A	839	CLA	4	0
14	b	830	CLA	8	0
18	g	850	LHG	7	0
14	G	812	CLA	9	0
14	B	840	CLA	5	0
14	b	807	CLA	6	0
14	a	840	CLA	2	0
14	b	812	CLA	8	0
14	B	805	CLA	6	0
14	b	803	CLA	12	0
14	s	202	CLA	1	0
14	A	812	CLA	7	0
17	j	103	BCR	5	0
14	b	802	CLA	6	0
14	G	813	CLA	4	0
14	n	821	CLA	1	0
14	g	820	CLA	4	0
17	N	849	BCR	3	0
14	g	812	CLA	4	0
14	N	840	CLA	8	0
14	a	837	CLA	10	0
14	N	821	CLA	3	0
14	n	850	CLA	5	0
17	N	845	BCR	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	b	846	BCR	5	0
14	B	818	CLA	4	0
14	K	101	CLA	2	0
14	B	831	CLA	3	0
14	A	808	CLA	9	0
14	n	812	CLA	2	0
14	T	101	CLA	1	0
14	a	832	CLA	7	0
14	g	816	CLA	8	0
14	b	815	CLA	4	0
14	g	838	CLA	4	0
17	A	856	BCR	10	0
17	a	848	BCR	11	0
14	h	1701	CLA	4	0
17	w	206	BCR	5	0
14	n	811	CLA	1	0
14	G	831	CLA	7	0
14	A	824	CLA	7	0
14	A	809	CLA	2	0
14	B	804	CLA	6	0
14	g	821	CLA	2	0
16	c	102	SF4	1	0
17	f	203	BCR	4	0
14	n	804	CLA	13	0
14	a	801	CLA	11	0
14	b	828	CLA	9	0
14	B	819	CLA	4	0
14	A	836	CLA	3	0
18	a	850	LHG	9	0
17	I	102	BCR	3	0
14	N	833	CLA	4	0
14	x	1701	CLA	2	0
14	t	102	CLA	1	0
14	g	837	CLA	13	0
14	g	806	CLA	4	0
14	b	822	CLA	2	0
14	G	814	CLA	6	0
14	g	804	CLA	7	0
14	b	853	CLA	3	0
14	b	805	CLA	12	0
20	H	1702	SQD	3	0
14	B	834	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	G	801	CLA	7	0
14	n	810	CLA	4	0
14	a	831	CLA	10	0
14	b	810	CLA	3	0
14	G	833	CLA	6	0
17	T	104	BCR	9	0
14	N	835	CLA	2	0
17	G	846	BCR	4	0
17	j	104	BCR	3	0
14	b	809	CLA	8	0
14	G	834	CLA	2	0
14	b	813	CLA	3	0
14	G	816	CLA	4	0
15	G	841	PQN	10	0
14	A	813	CLA	2	0
17	A	848	BCR	3	0
14	b	839	CLA	3	0
14	B	817	CLA	2	0
14	g	834	CLA	4	0
14	l	204	CLA	1	0
14	n	827	CLA	8	0
14	n	839	CLA	6	0
14	A	832	CLA	4	0
17	g	845	BCR	8	0
14	J	101	CLA	1	0
14	N	851	CLA	6	0
14	a	828	CLA	8	0
14	A	853	CLA	12	0
17	b	844	BCR	3	0
14	g	825	CLA	8	0
14	N	824	CLA	2	0
14	g	801	CLA	2	0
14	a	838	CLA	4	0
17	g	844	BCR	4	0
17	m	102	BCR	3	0
14	N	818	CLA	3	0
15	N	843	PQN	6	0
14	G	808	CLA	7	0
14	g	817	CLA	6	0
14	G	852	CLA	27	0
14	n	815	CLA	3	0
14	a	807	CLA	8	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b	820	CLA	6	0
14	a	820	CLA	2	0
14	g	840	CLA	3	0
14	a	819	CLA	11	0
14	A	820	CLA	7	0
21	B	802	LMG	1	0
14	a	835	CLA	2	0
17	G	845	BCR	5	0
14	f	202	CLA	5	0
15	n	841	PQN	4	0
14	a	821	CLA	5	0
14	A	821	CLA	8	0
14	n	830	CLA	3	0
14	N	826	CLA	7	0
14	A	828	CLA	4	0
14	G	824	CLA	4	0
14	G	838	CLA	9	0
17	y	101	BCR	2	0
17	b	850	BCR	13	0
14	A	838	CLA	7	0
14	a	823	CLA	4	0
14	g	852	CLA	6	0
14	N	804	CLA	10	0
14	G	805	CLA	8	0
14	n	802	CLA	7	0
14	A	805	CLA	5	0
14	N	819	CLA	7	0
17	n	849	BCR	13	0
17	N	853	BCR	7	0
14	b	814	CLA	4	0
18	v	102	LHG	3	0
14	B	813	CLA	3	0
14	N	842	CLA	8	0
14	G	809	CLA	2	0
17	G	847	BCR	6	0
14	A	814	CLA	1	0
14	A	826	CLA	11	0
17	n	846	BCR	9	0
17	n	843	BCR	2	0
14	B	832	CLA	3	0
14	N	810	CLA	5	0
14	T	102	CLA	1	0

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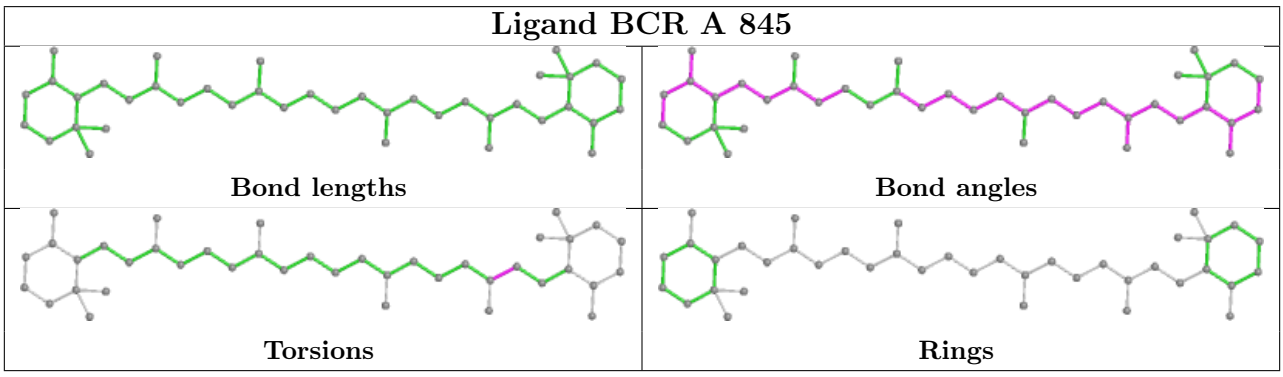
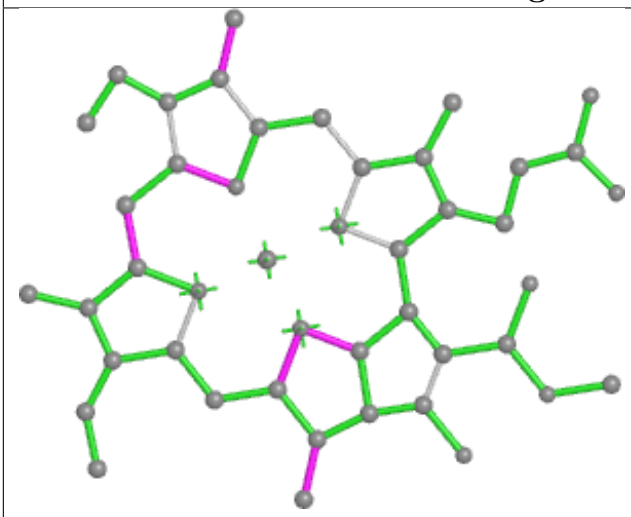
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	b	811	CLA	4	0
17	k	102	BCR	2	0
14	G	823	CLA	5	0
14	A	811	CLA	6	0
14	n	824	CLA	8	0
17	g	847	BCR	3	0
14	L	1502	CLA	6	0
14	B	803	CLA	7	0
14	N	808	CLA	2	0
14	b	816	CLA	1	0
14	B	820	CLA	5	0
14	F	201	CLA	1	0
14	a	817	CLA	5	0
14	A	807	CLA	5	0
14	a	812	CLA	2	0
14	n	809	CLA	4	0
17	n	847	BCR	5	0
14	N	828	CLA	8	0

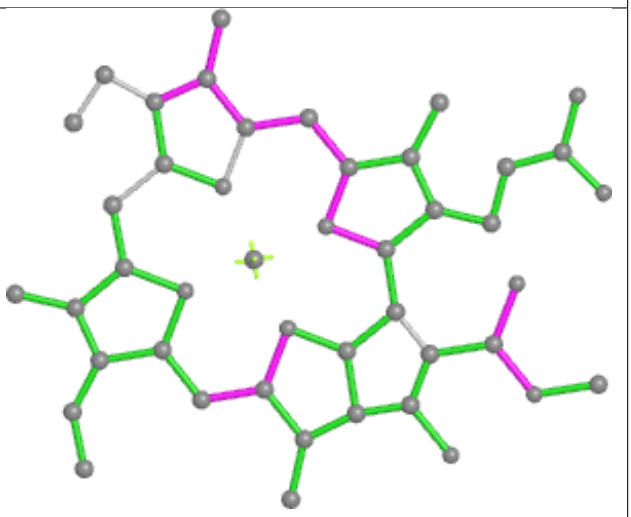
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. 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.



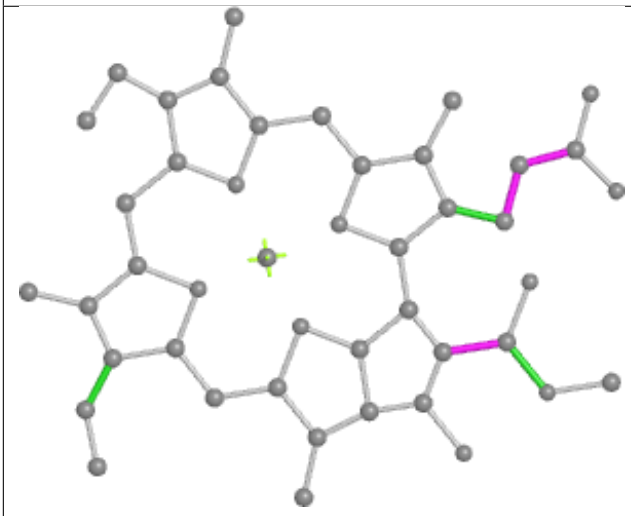
Ligand CLA a 814



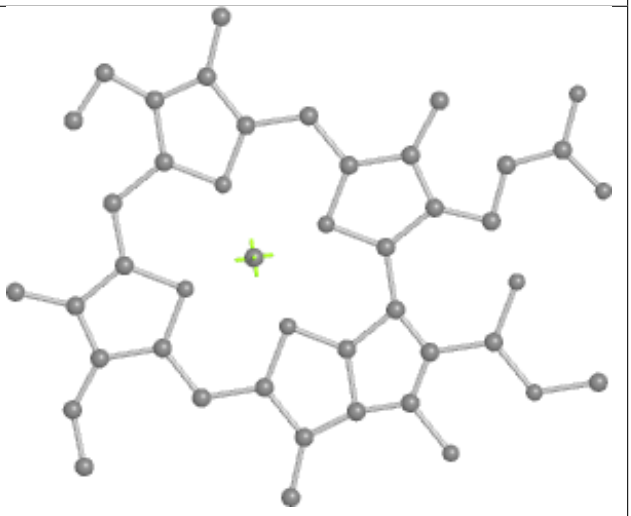
Bond lengths



Bond angles

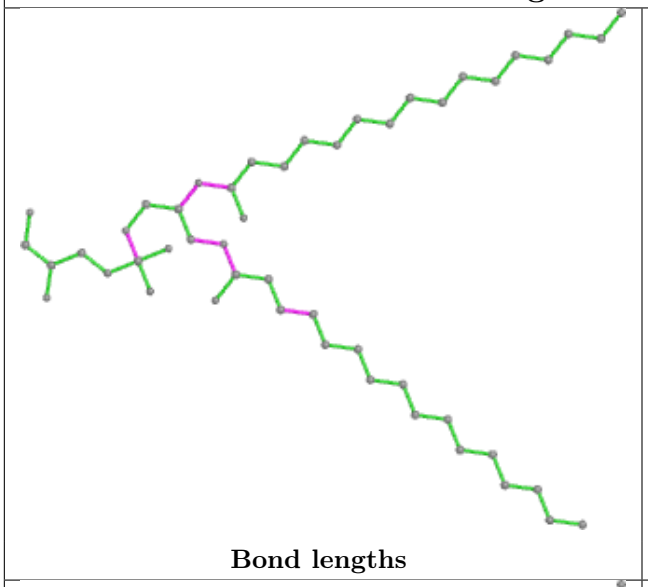


Torsions

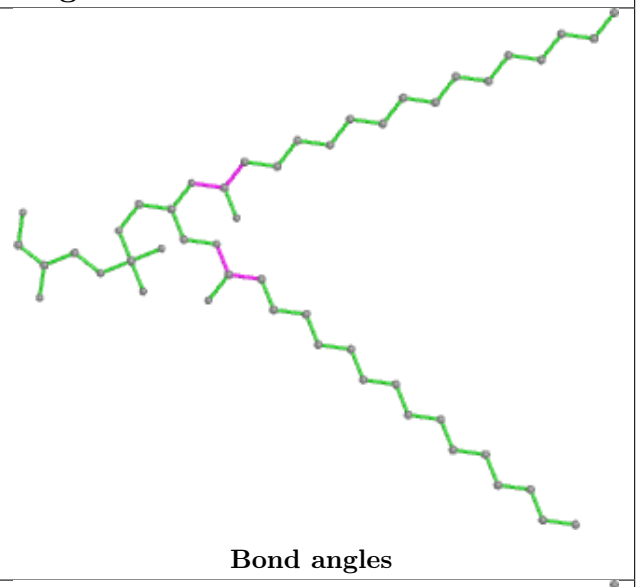


Rings

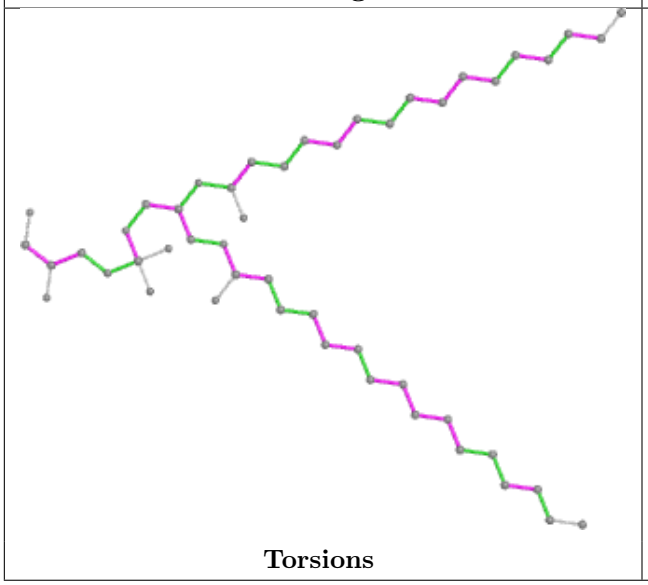
Ligand LHG g 849



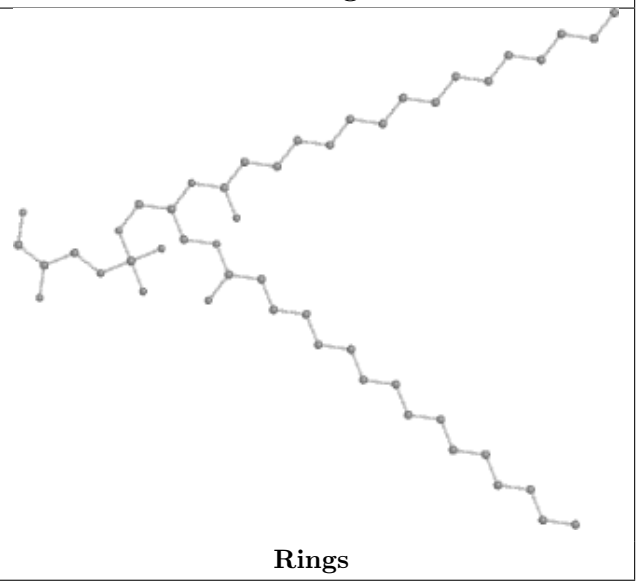
Bond lengths



Bond angles

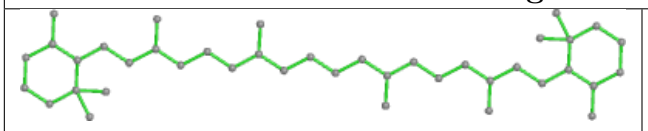


Torsions

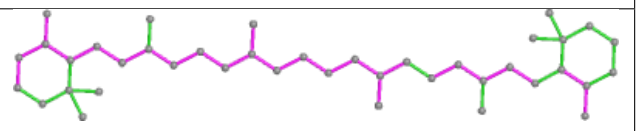


Rings

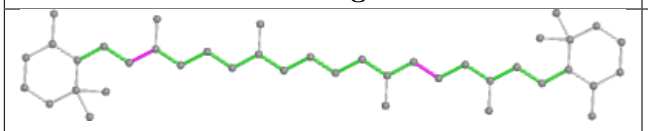
Ligand BCR n 845



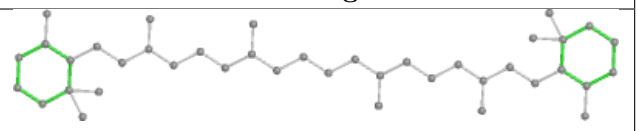
Bond lengths



Bond angles

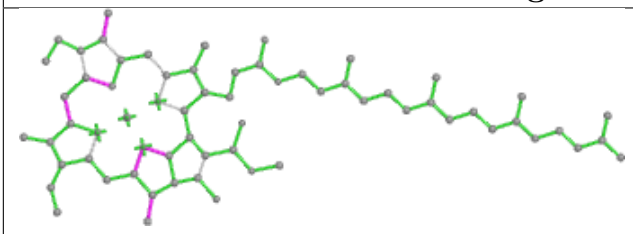


Torsions

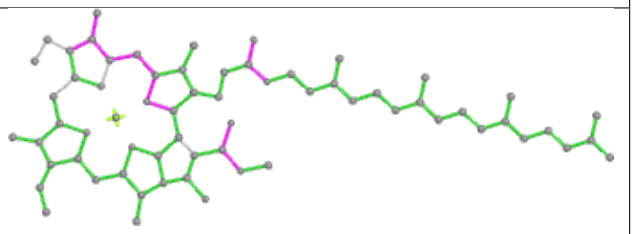


Rings

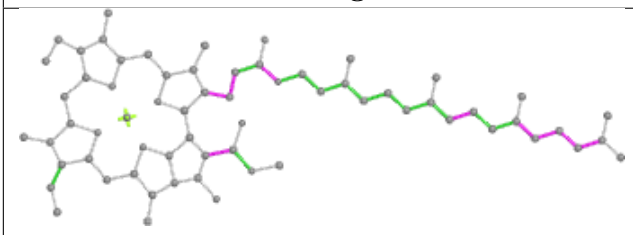
Ligand CLA b 829



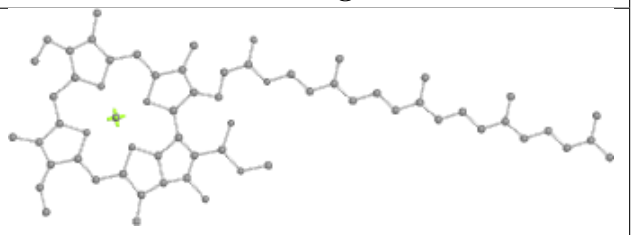
Bond lengths



Bond angles

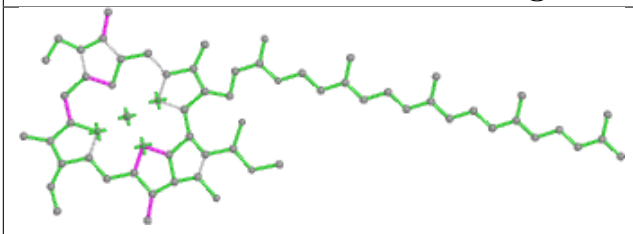


Torsions



Rings

Ligand CLA g 831



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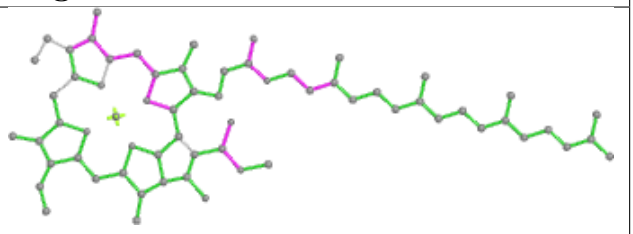
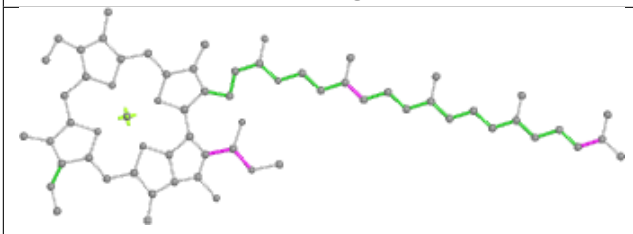
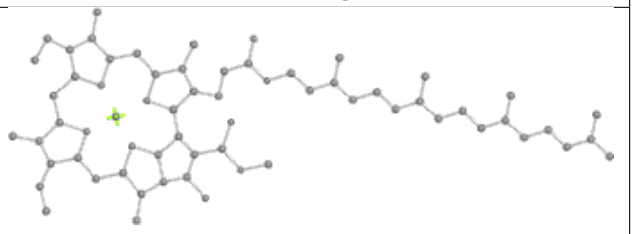


Bond angles

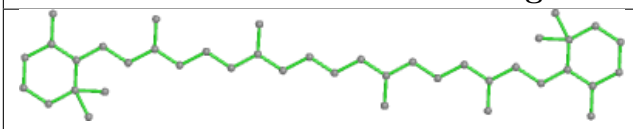


Torsions



Rings

Ligand BCR u 103



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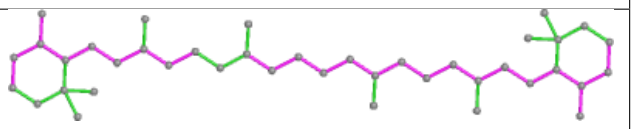
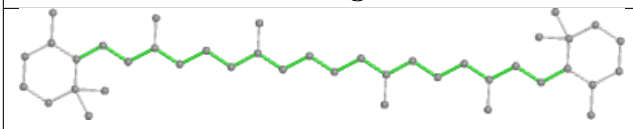


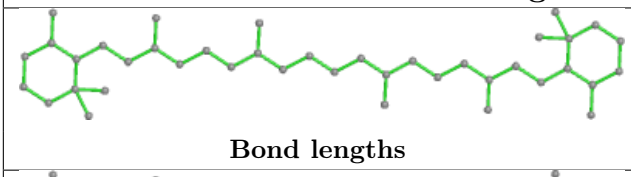
Bond angles



Torsions

Rings

Ligand BCR I 103



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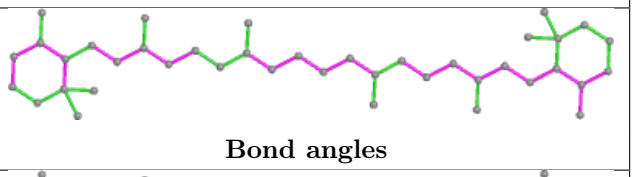
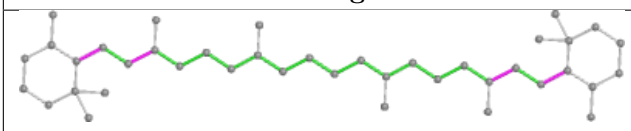
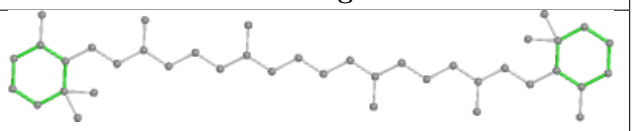


Bond angles

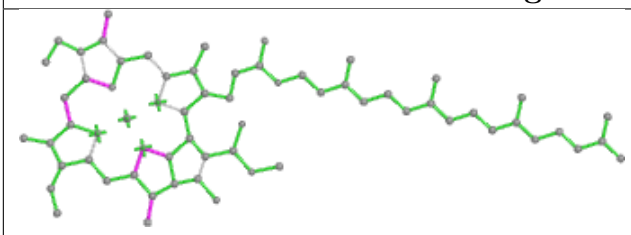


Torsions



Rings

Ligand CLA B 838



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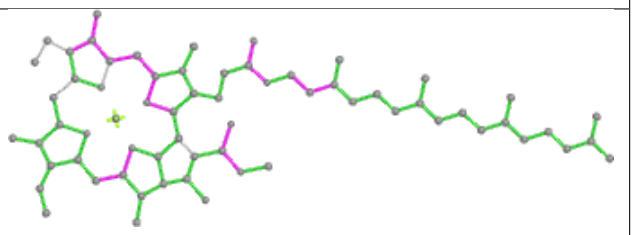
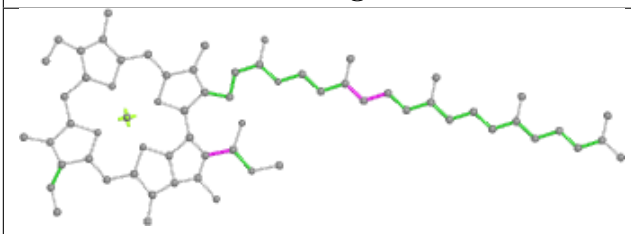


Bond angles



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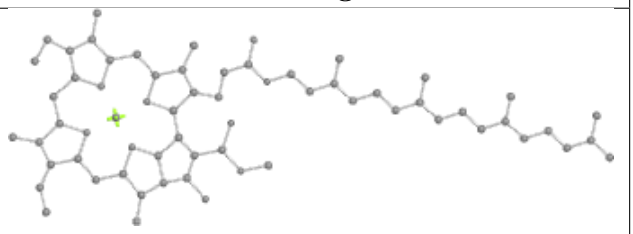
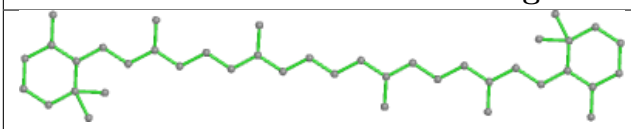


Rings

Ligand BCR B 844



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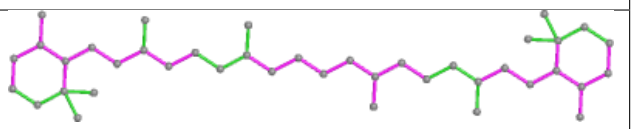
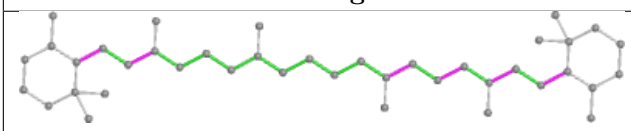


Bond angles



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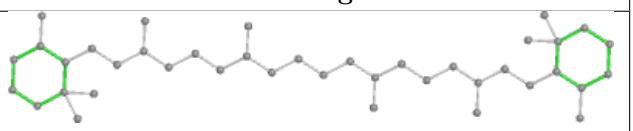
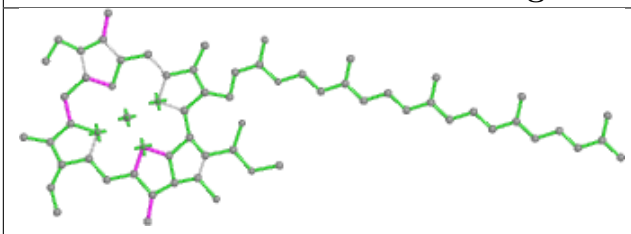


Rings

Ligand CLA n 823



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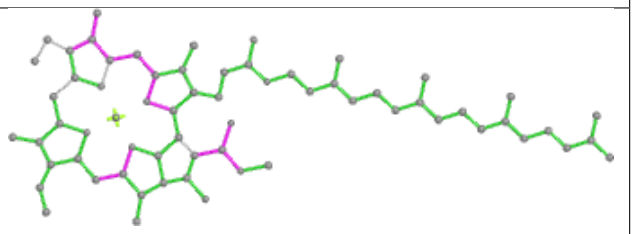
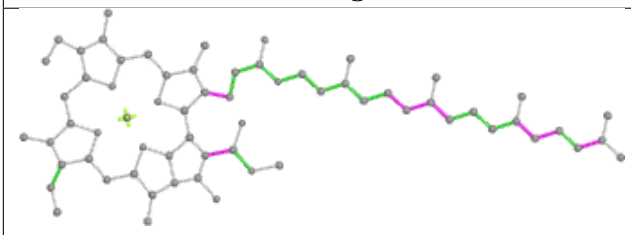


Bond angles



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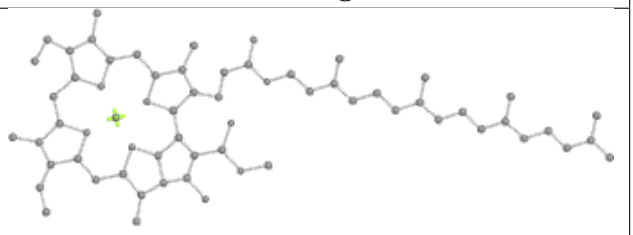
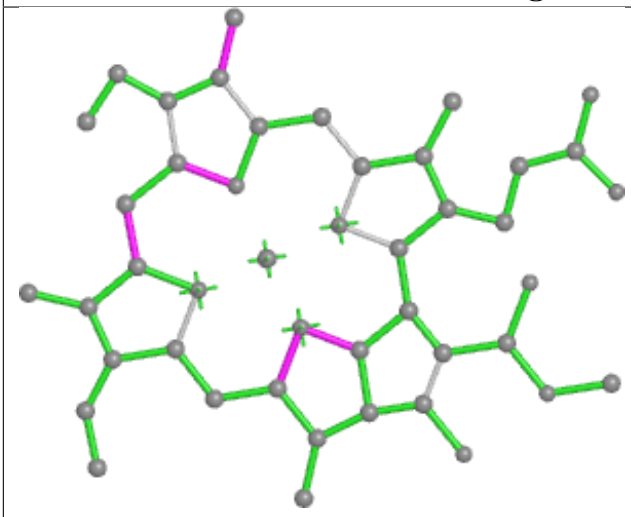


Rings

Ligand CLA n 816



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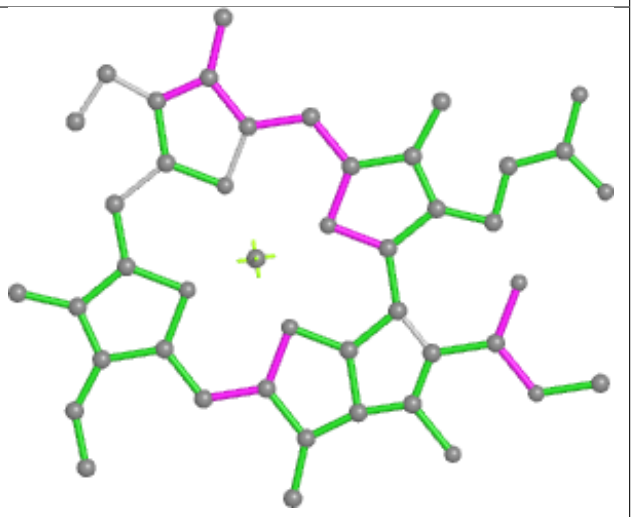
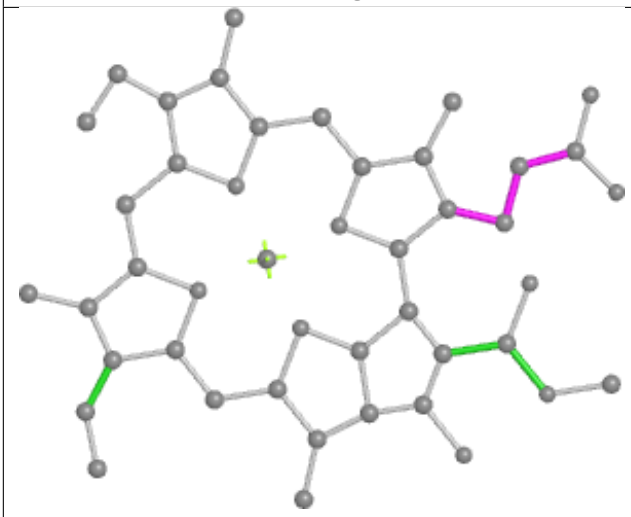


Bond angles



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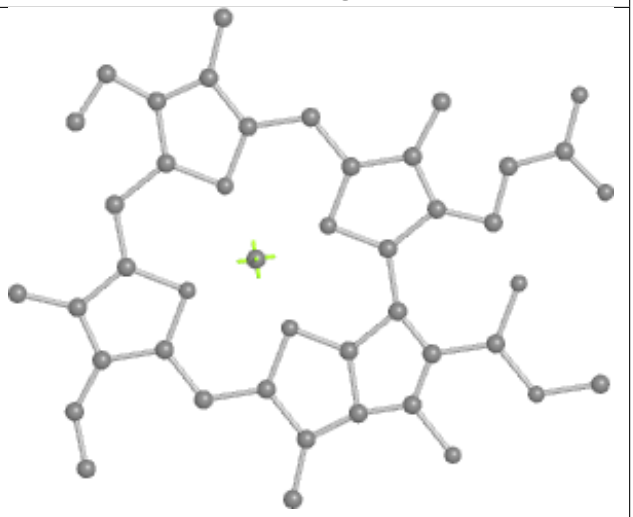
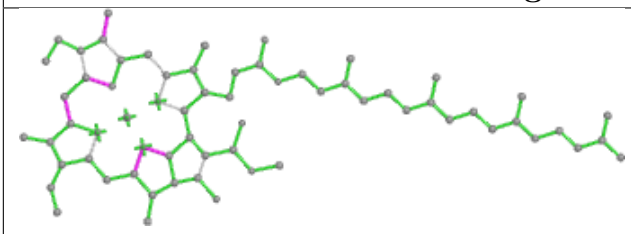
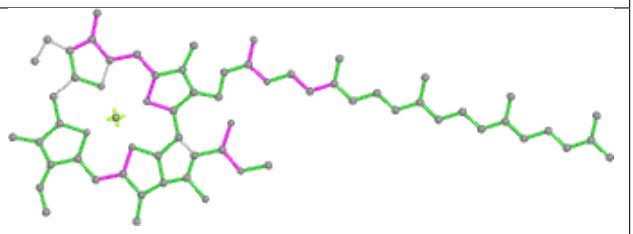


Rings

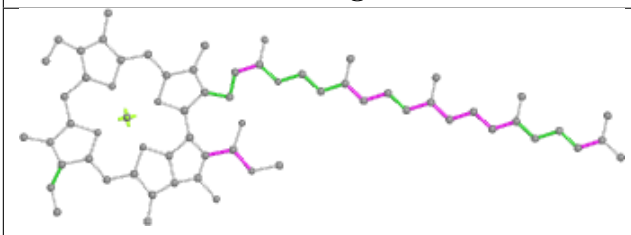
Ligand CLA B 850



Bond lengths



Bond angles



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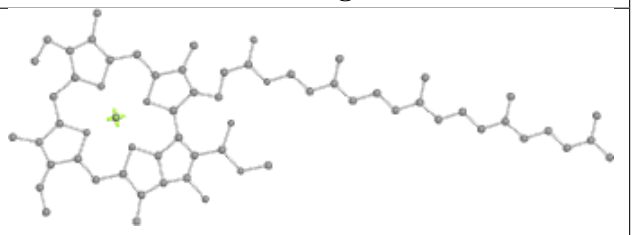
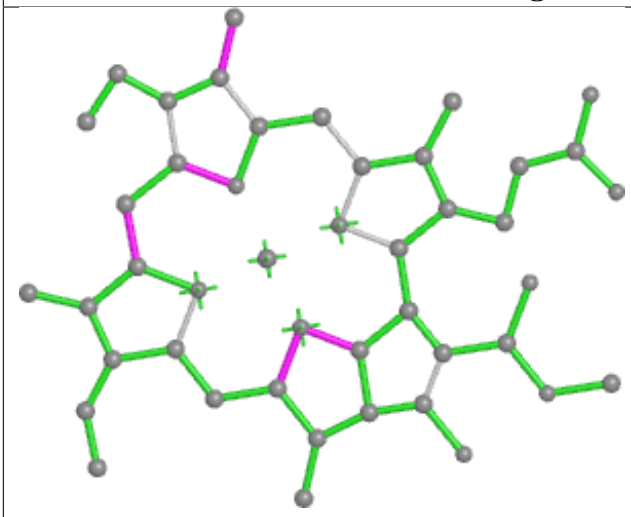


Rings

Ligand CLA a 834



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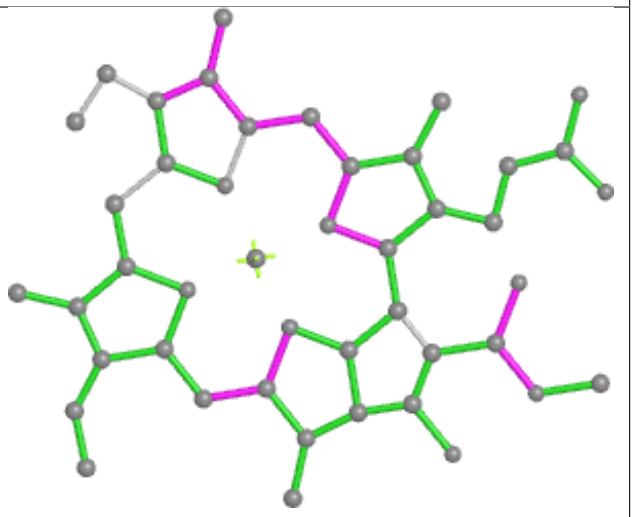
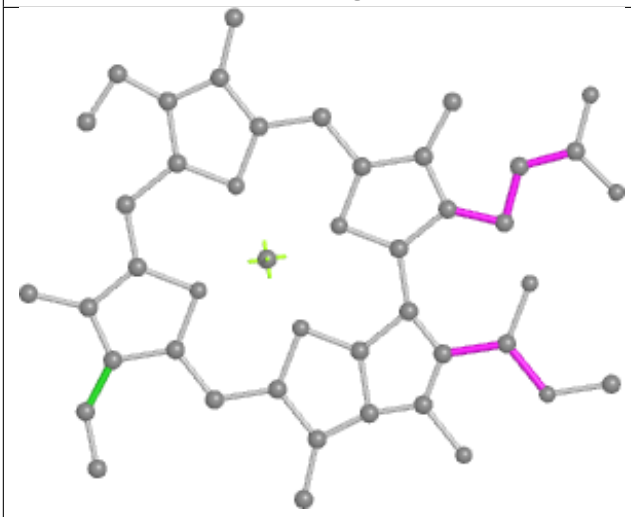


Bond angles



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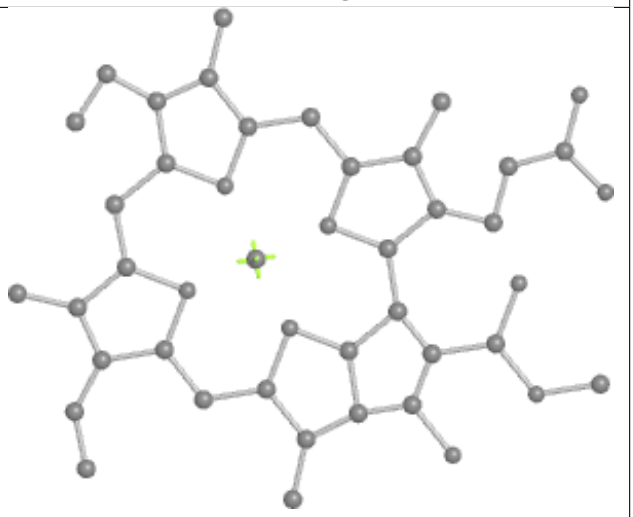
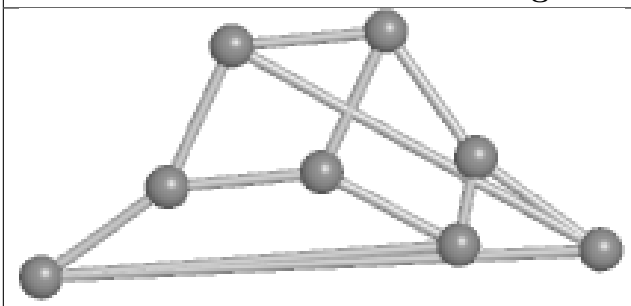


Rings

Ligand SF4 C 102



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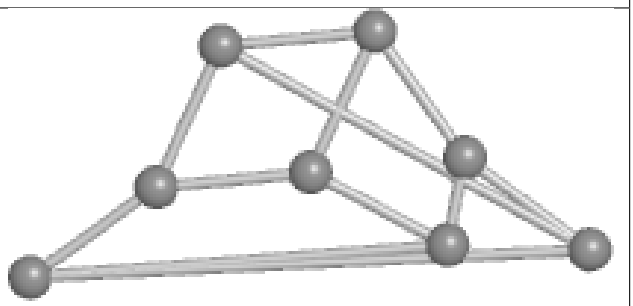
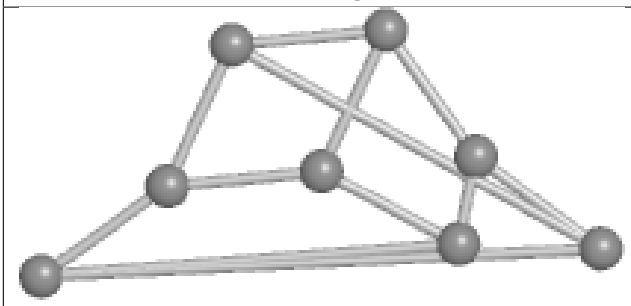


Bond angles



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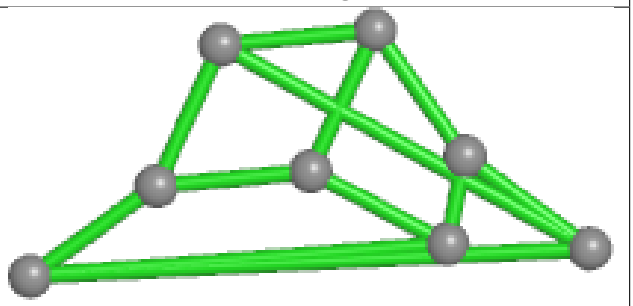
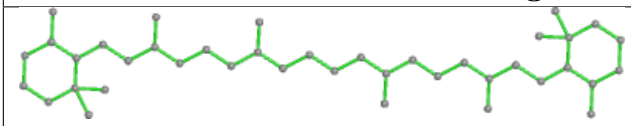


Rings

Ligand BCR b 845



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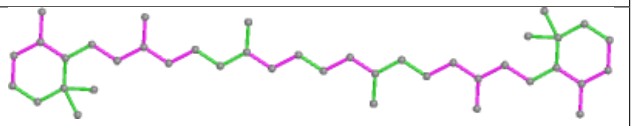
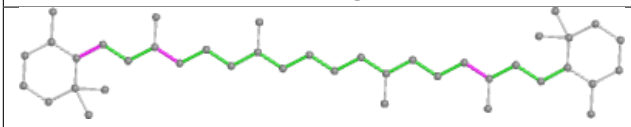
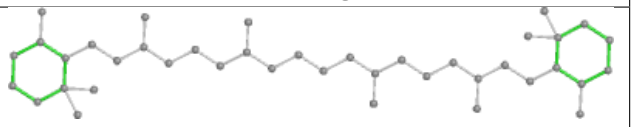


Bond angles

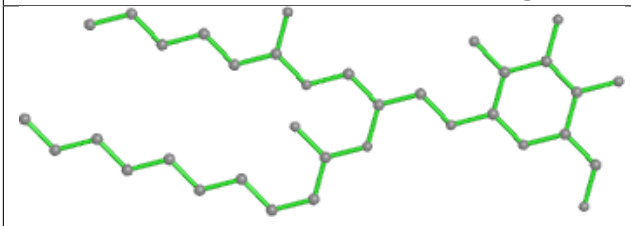


Torsions



Rings

Ligand LMG N 802



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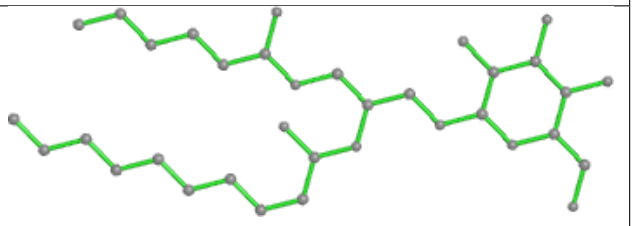
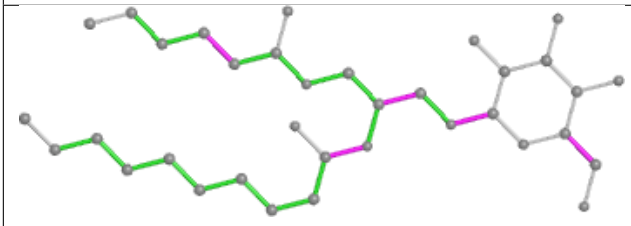
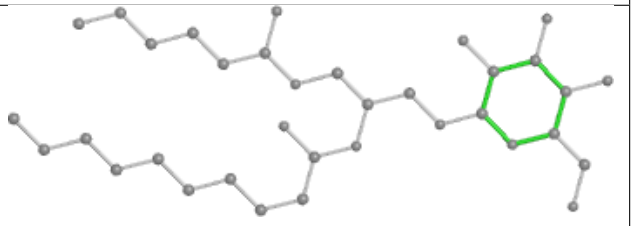


Bond angles

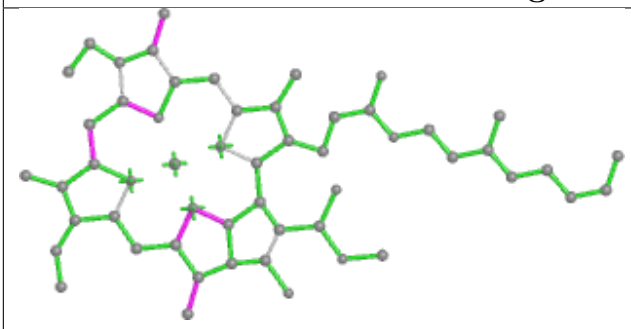


Torsions

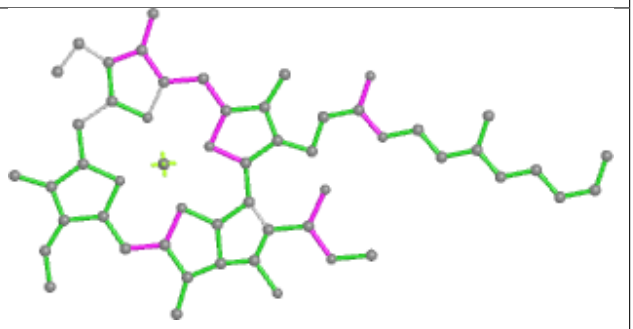


Rings

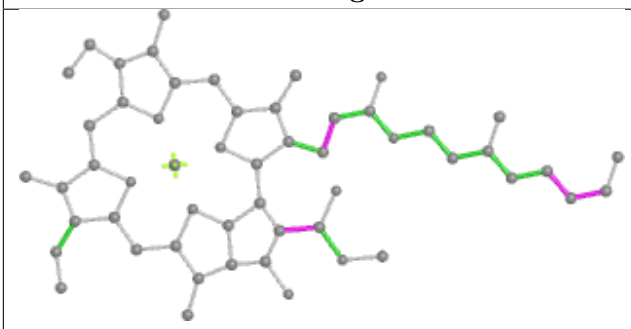
Ligand CLA a 833



Bond lengths



Bond angles



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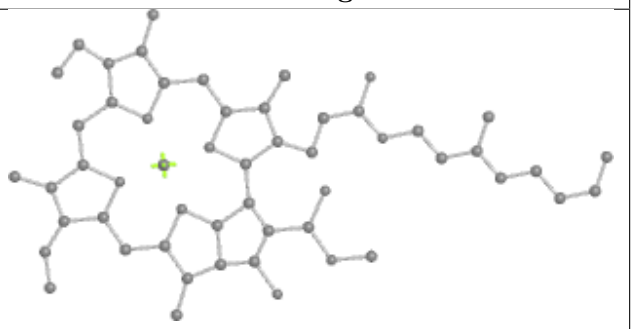
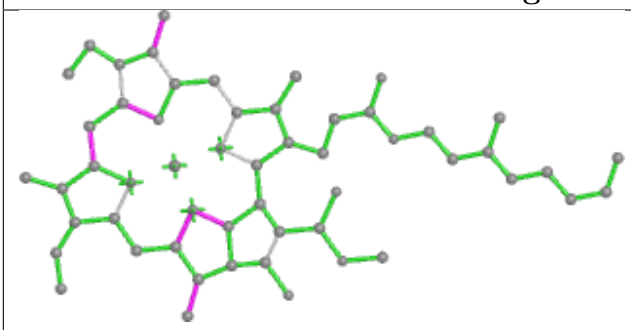
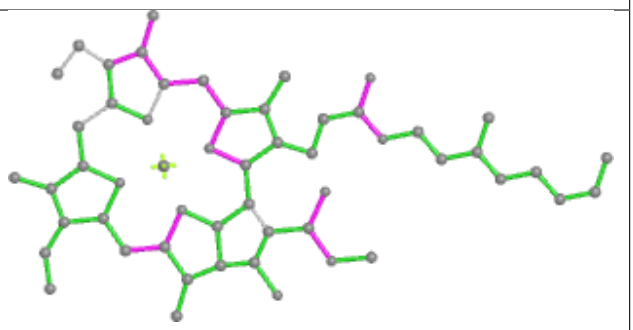


Rings

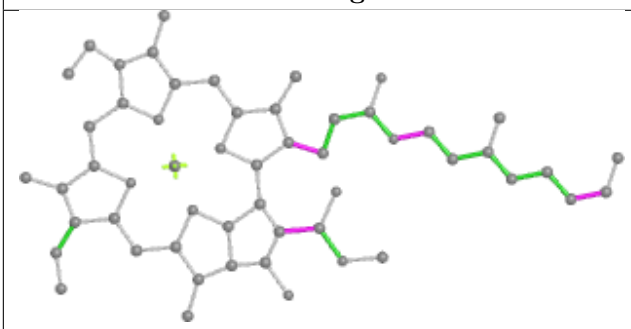
Ligand CLA G 825



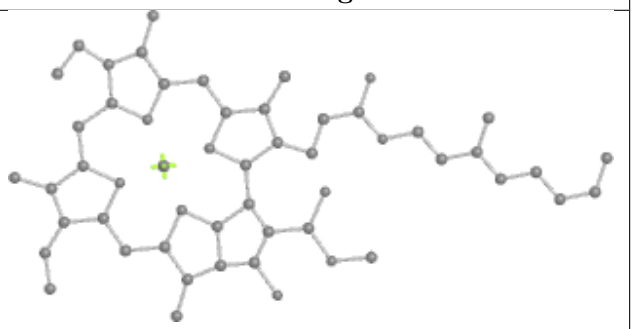
Bond lengths



Bond angles

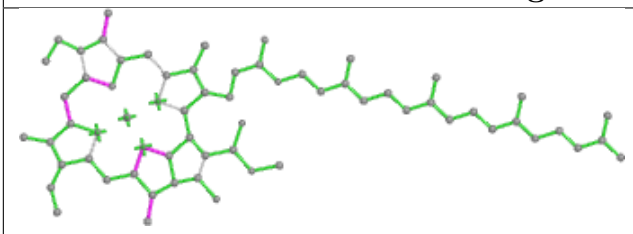


Torsions

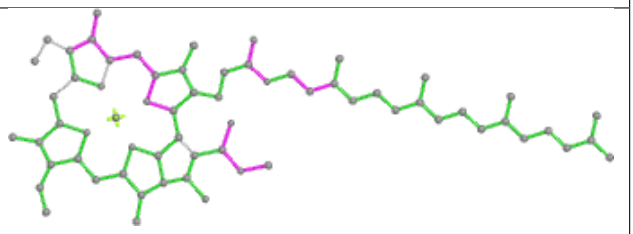


Rings

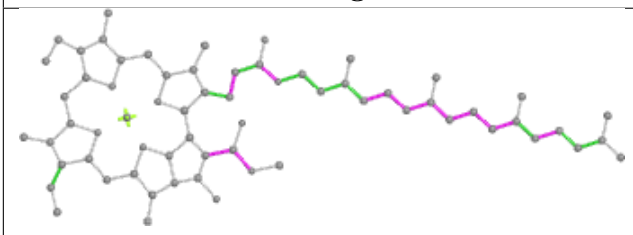
Ligand CLA n 803



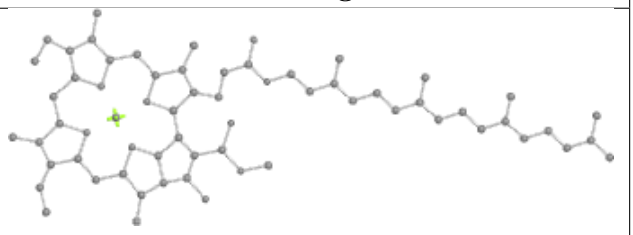
Bond lengths



Bond angles

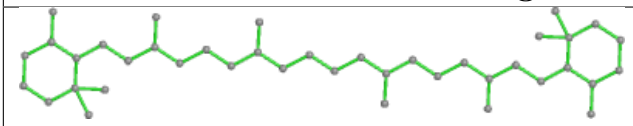


Torsions

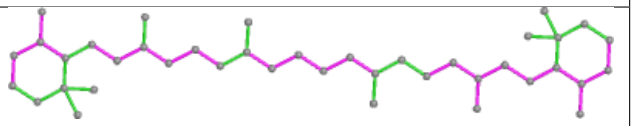


Rings

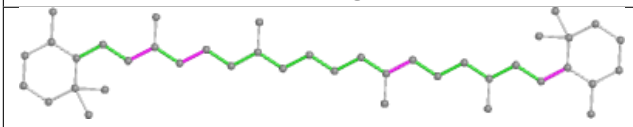
Ligand BCR W 206



Bond lengths



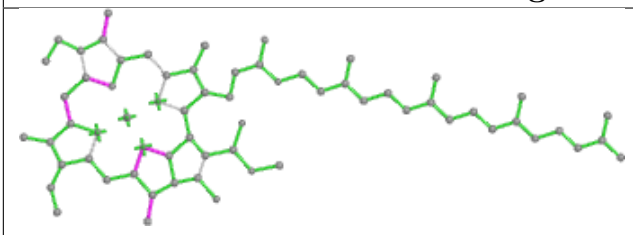
Bond angles



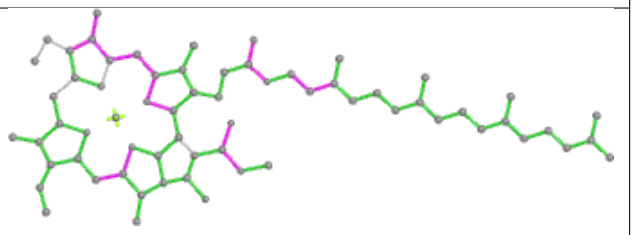
Torsions

Rings

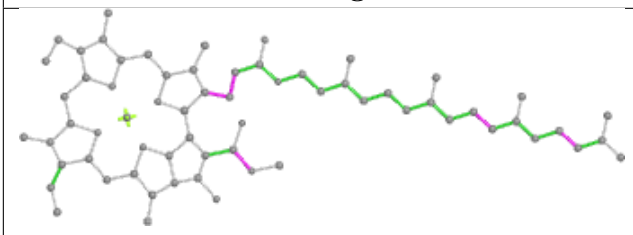
Ligand CLA a 853



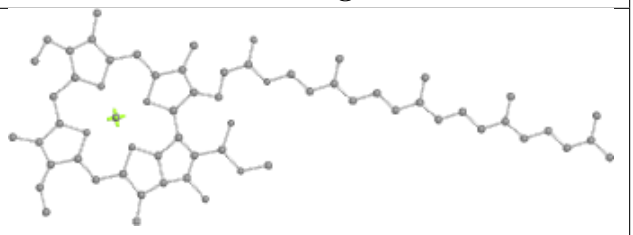
Bond lengths



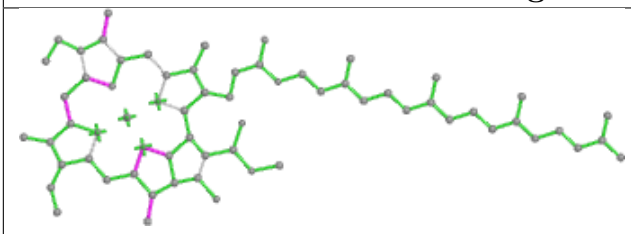
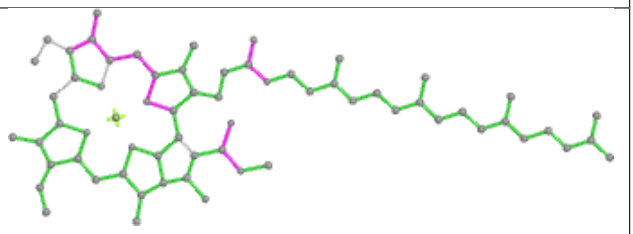
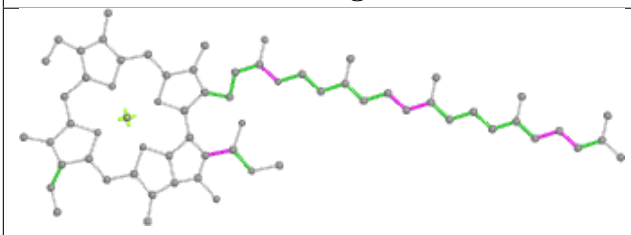
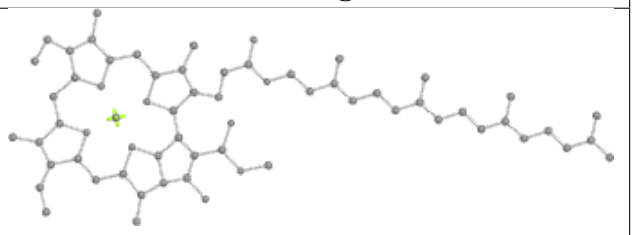
Bond angles

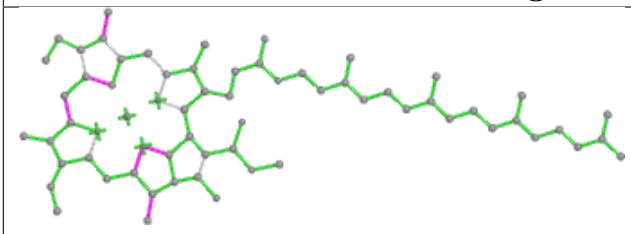
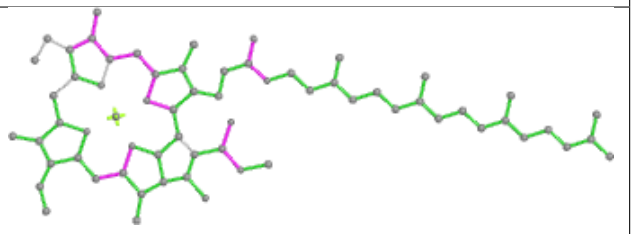
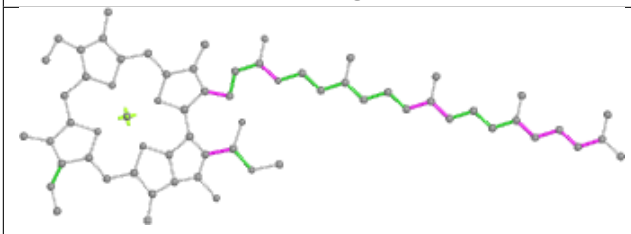
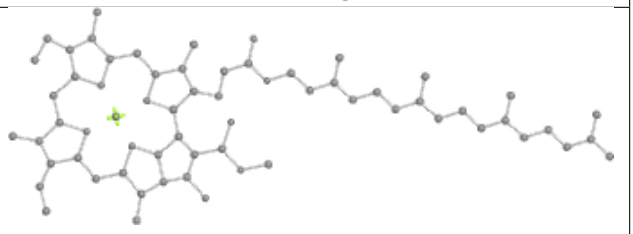


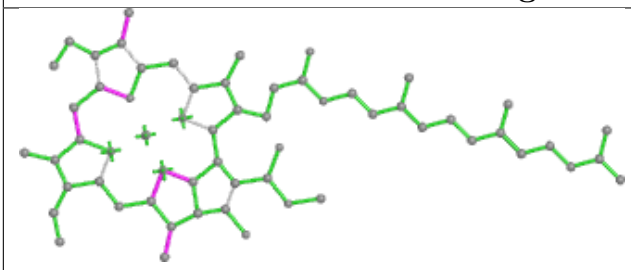
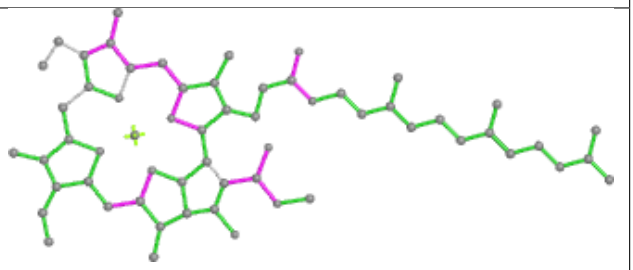
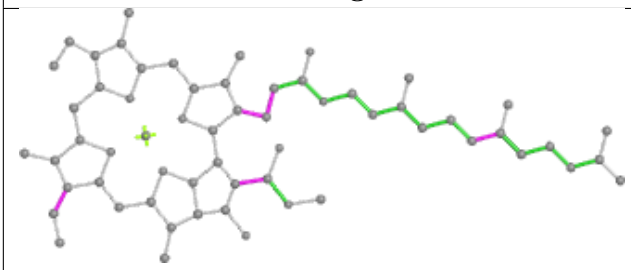
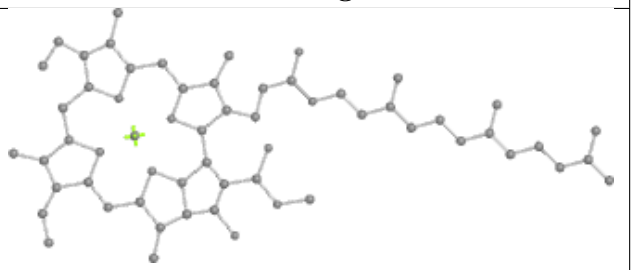
Torsions

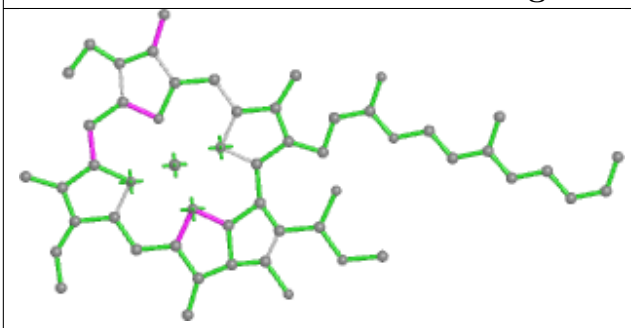
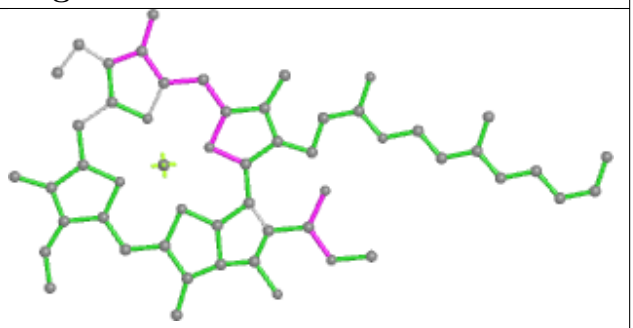
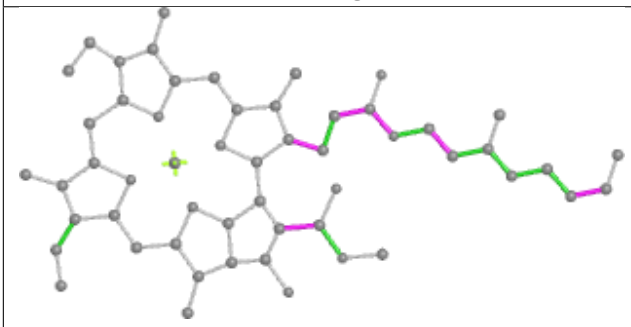
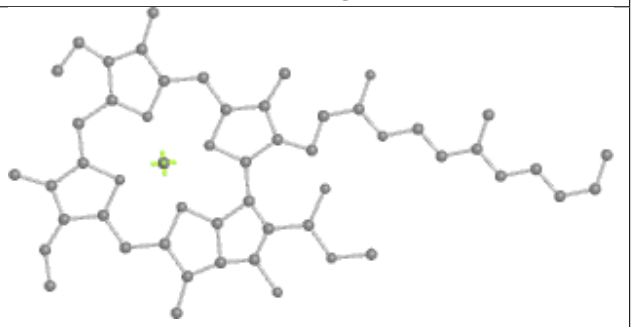


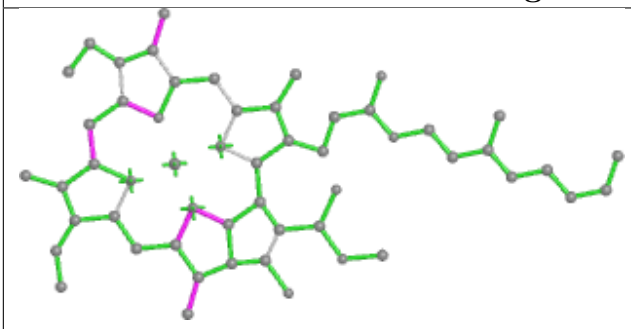
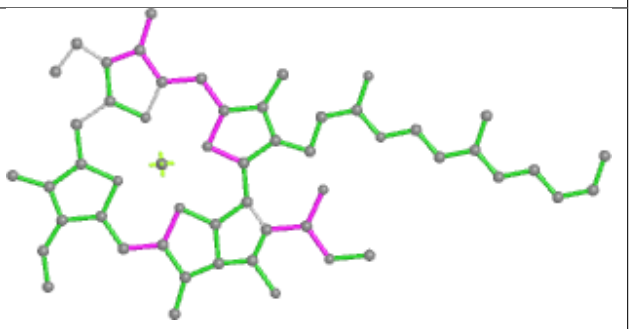
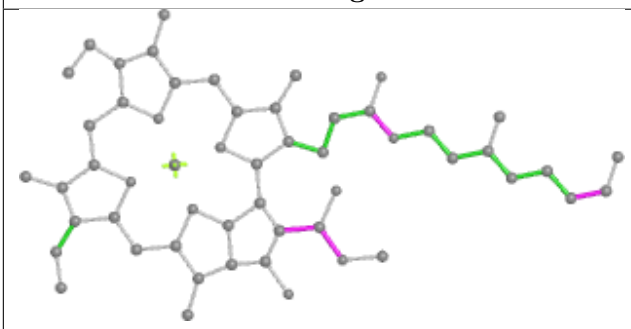
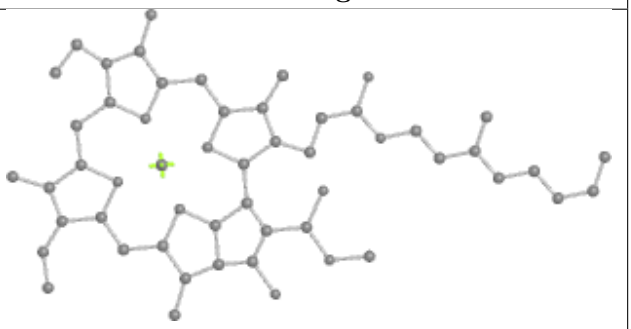
Rings

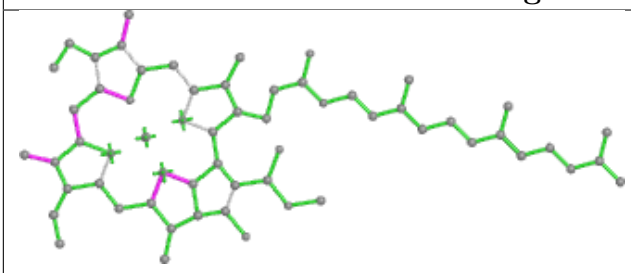
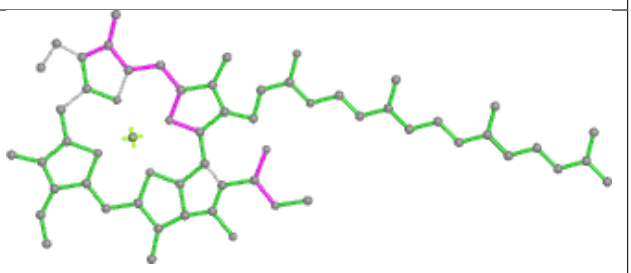
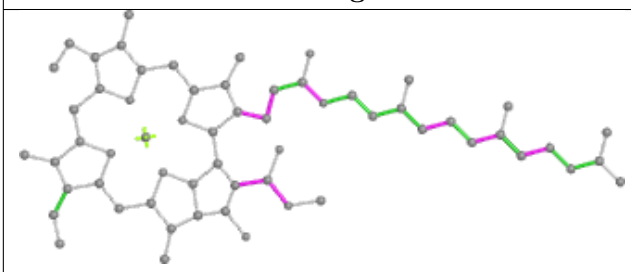
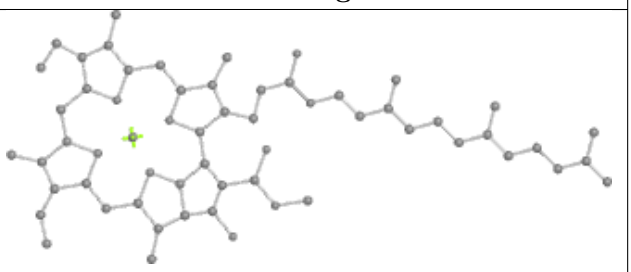
Ligand CLA b 825	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA b 806	
	
Bond lengths	Bond angles
	
Torsions	Rings

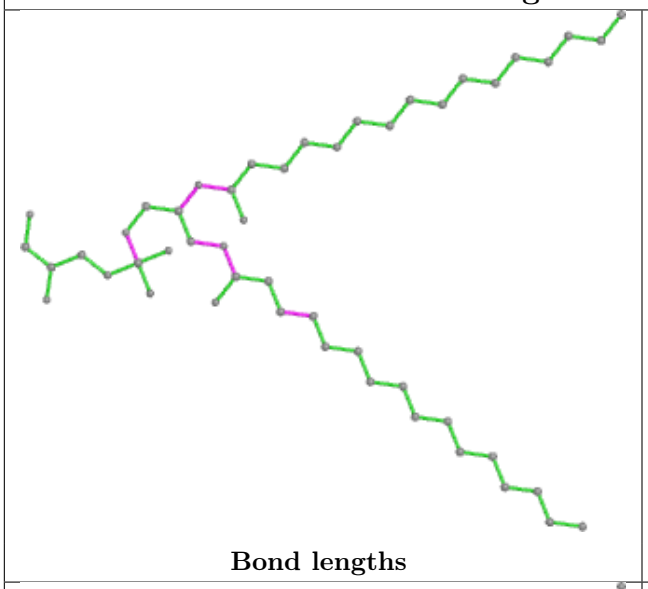
Ligand CLA W 203	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA g 818	
 Bond lengths	 Bond angles
 Torsions	 Rings

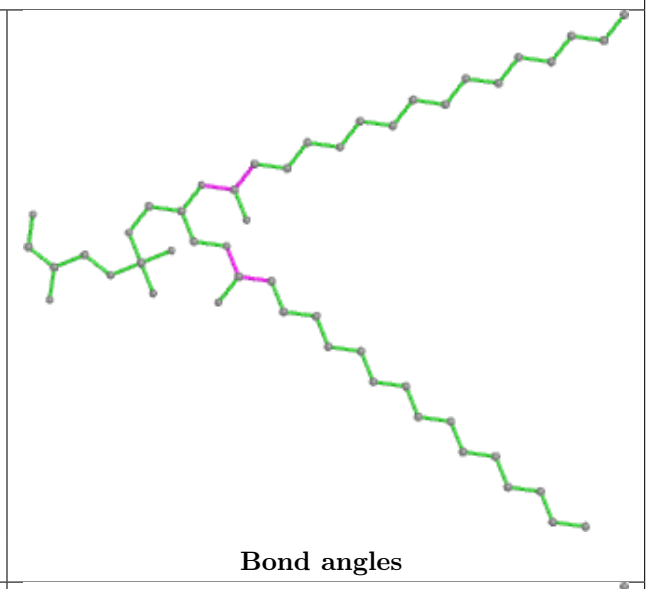
Ligand CLA B 812	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 817	
	
Bond lengths	Bond angles
	
Torsions	Rings

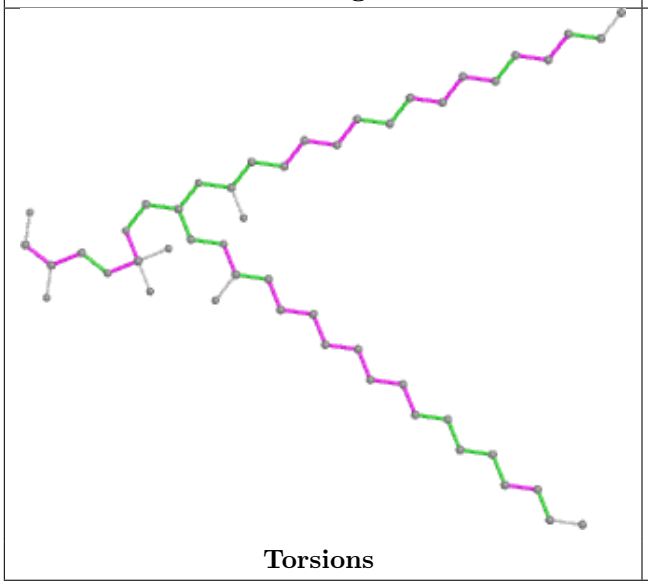
Ligand LHG G 849



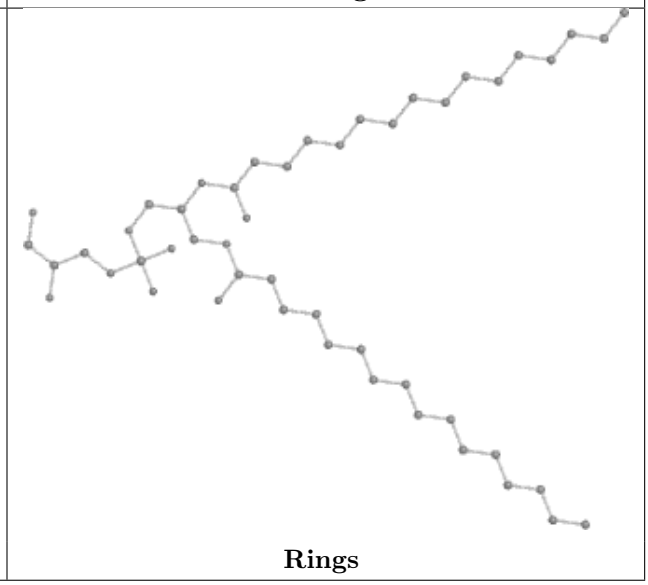
Bond lengths



Bond angles

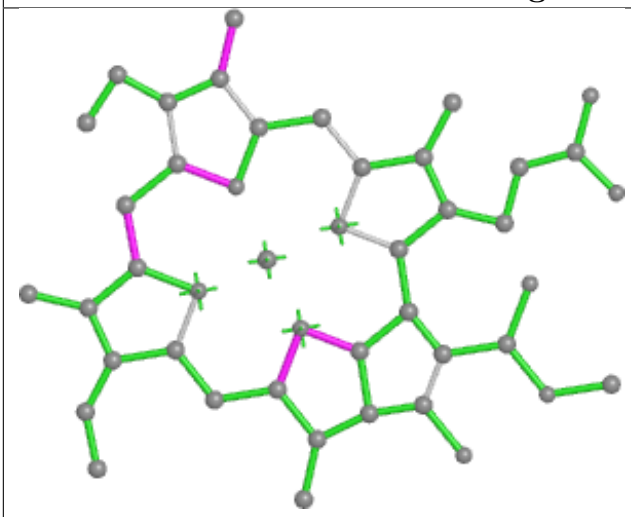


Torsions

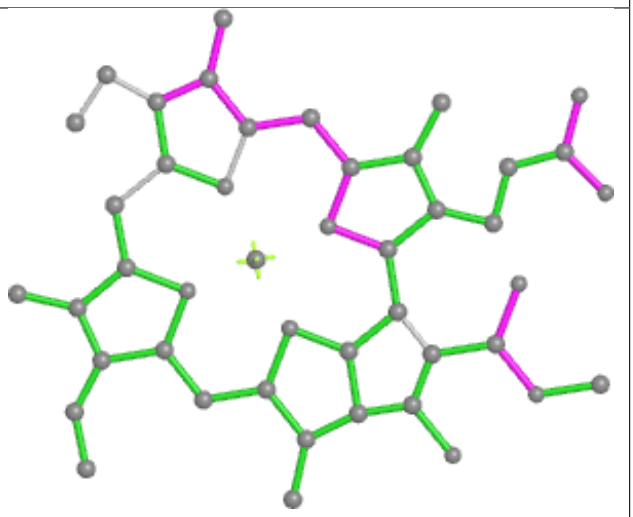


Rings

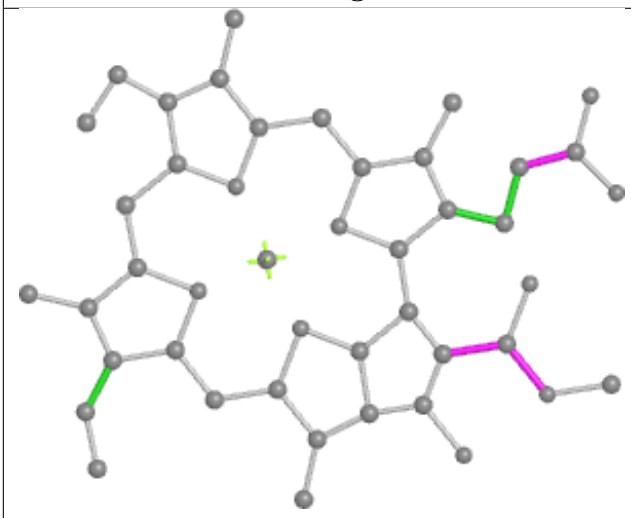
Ligand CLA a 822



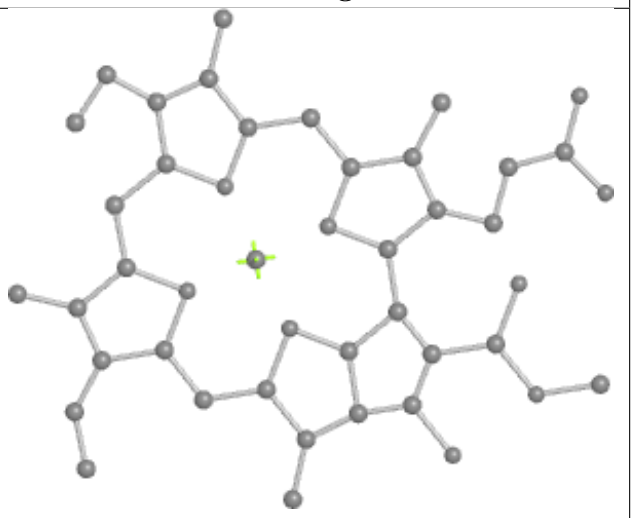
Bond lengths



Bond angles

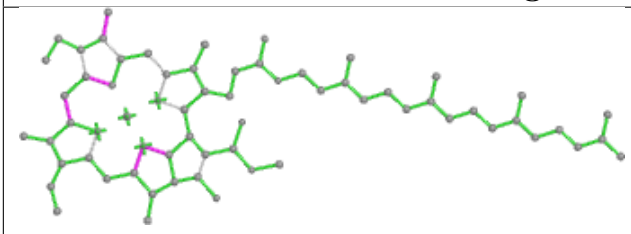


Torsions

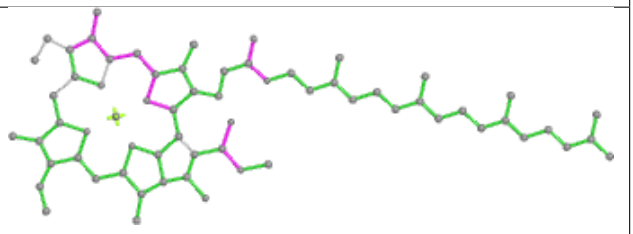


Rings

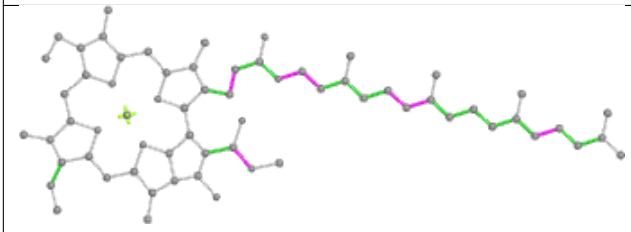
Ligand CLA A 827



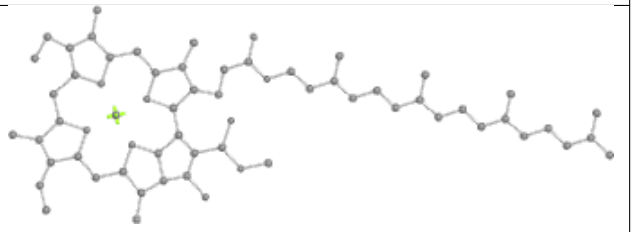
Bond lengths



Bond angles

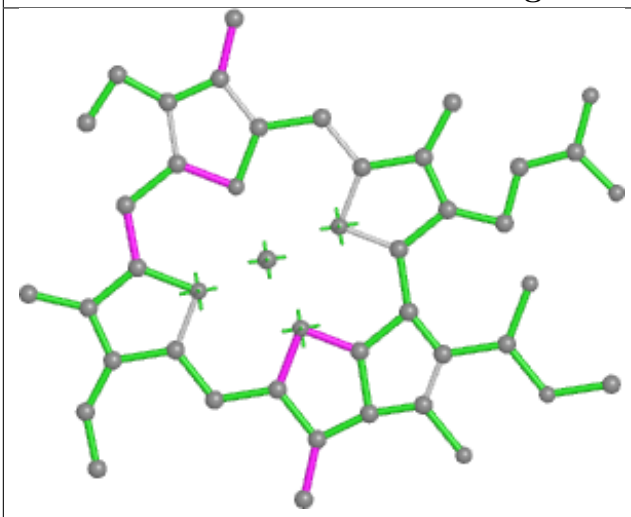


Torsions

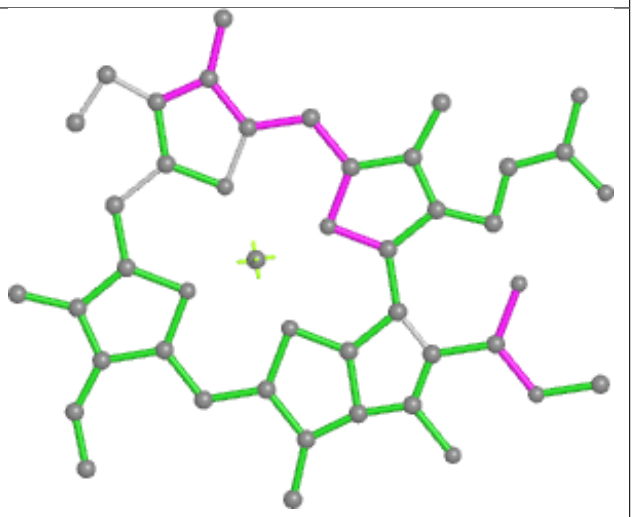


Rings

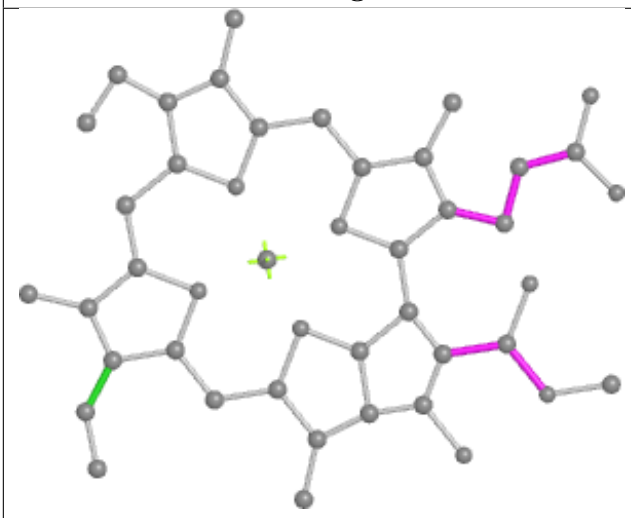
Ligand CLA B 821



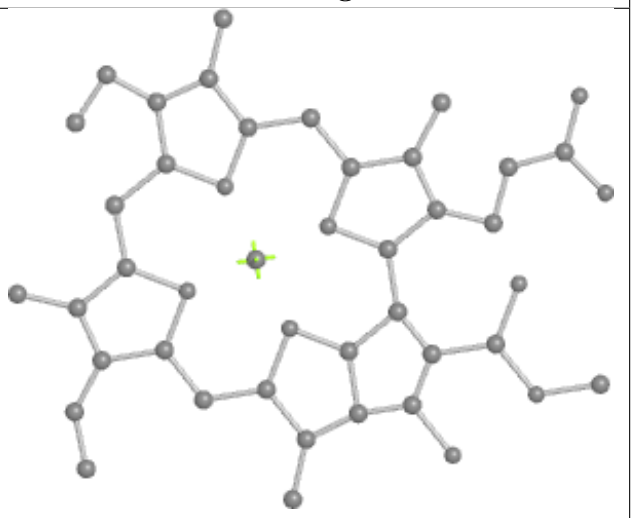
Bond lengths



Bond angles

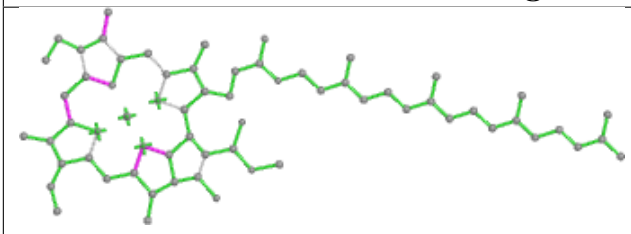


Torsions

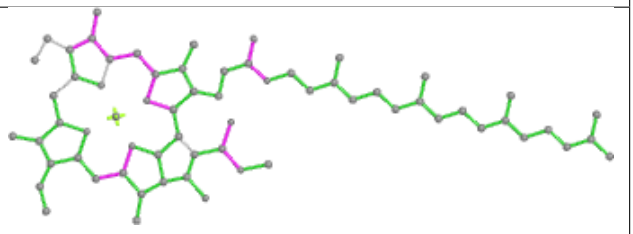


Rings

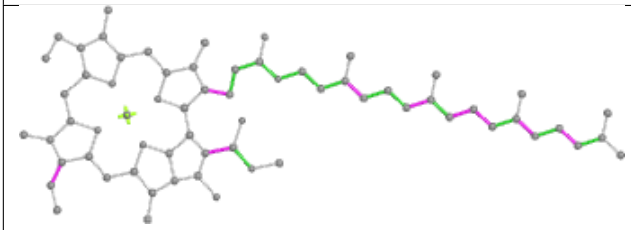
Ligand CLA B 826



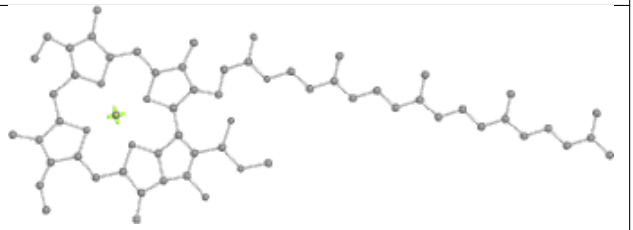
Bond lengths



Bond angles

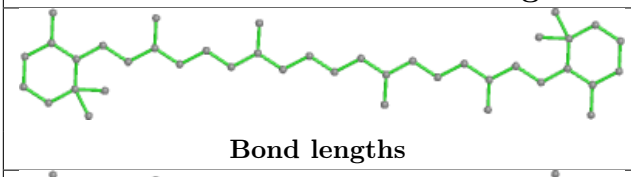


Torsions

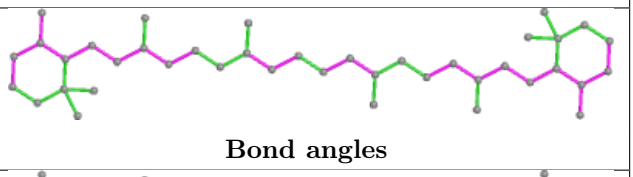


Rings

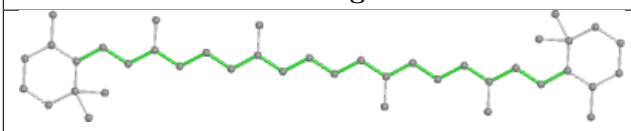
Ligand BCR U 103



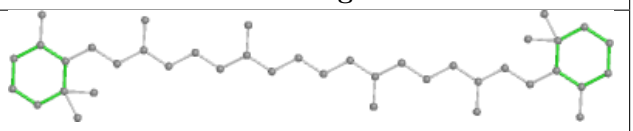
Bond lengths



Bond angles

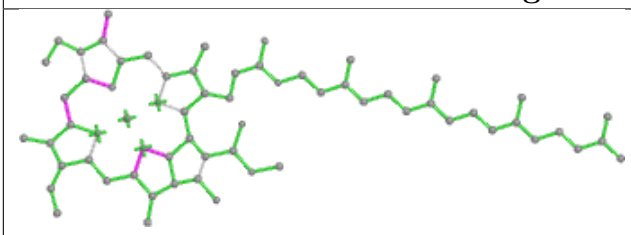


Torsions

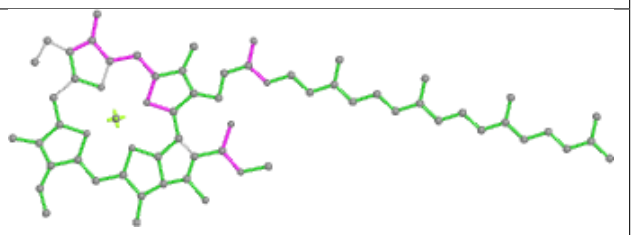


Rings

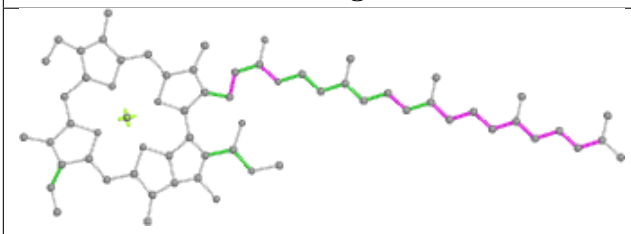
Ligand CLA G 820



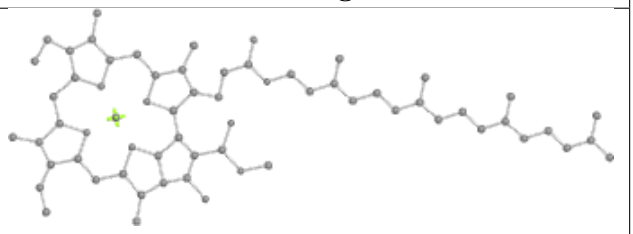
Bond lengths



Bond angles

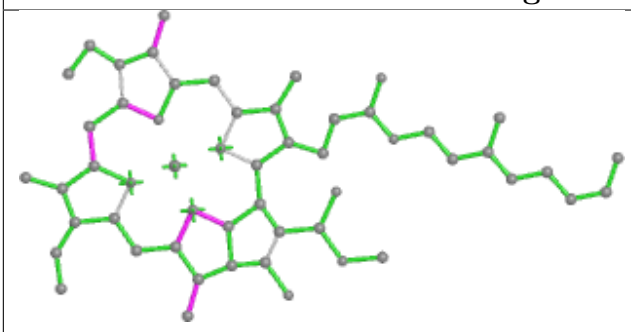


Torsions

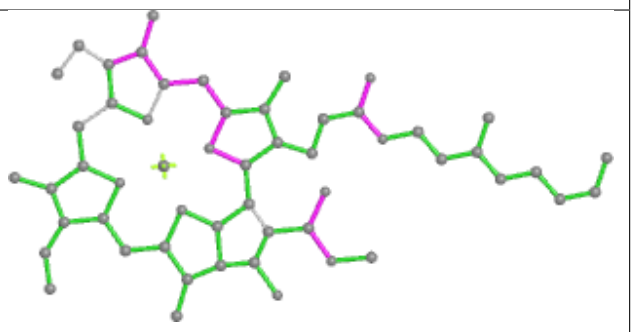


Rings

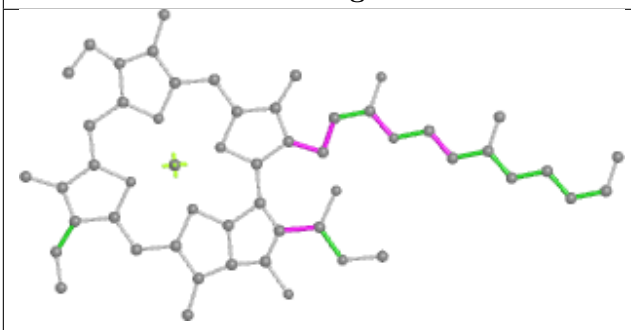
Ligand CLA G 819



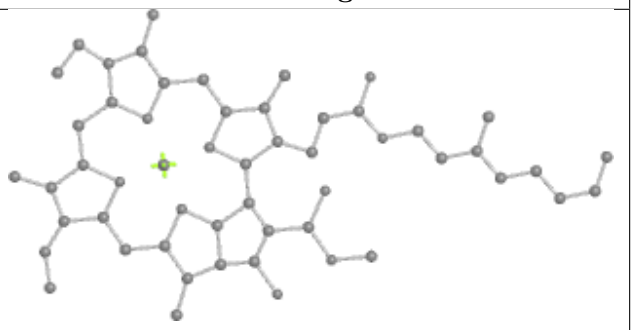
Bond lengths



Bond angles

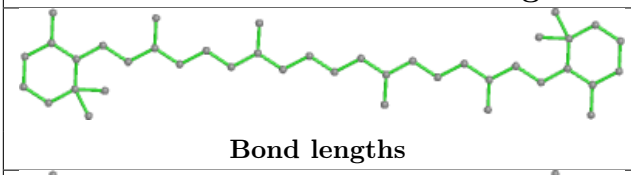


Torsions



Rings

Ligand BCR Y 101



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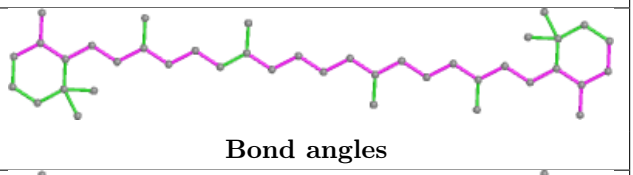
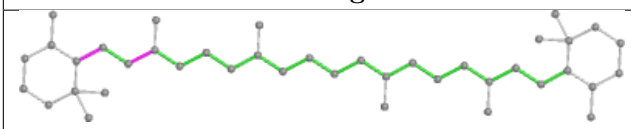


Bond angles



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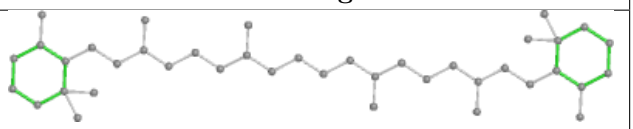
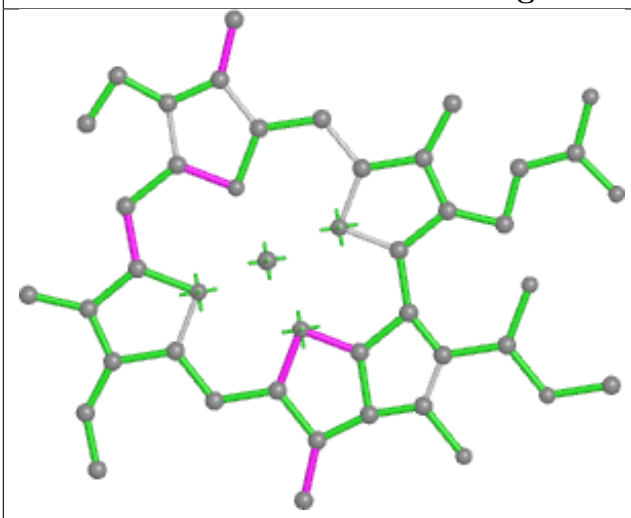


Rings

Ligand CLA L 1503



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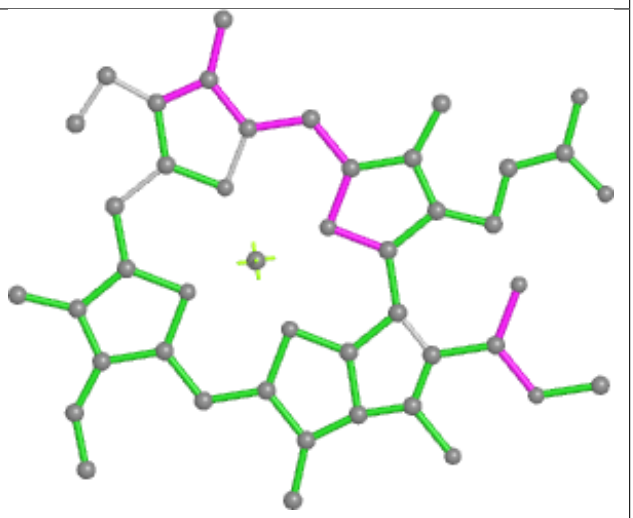
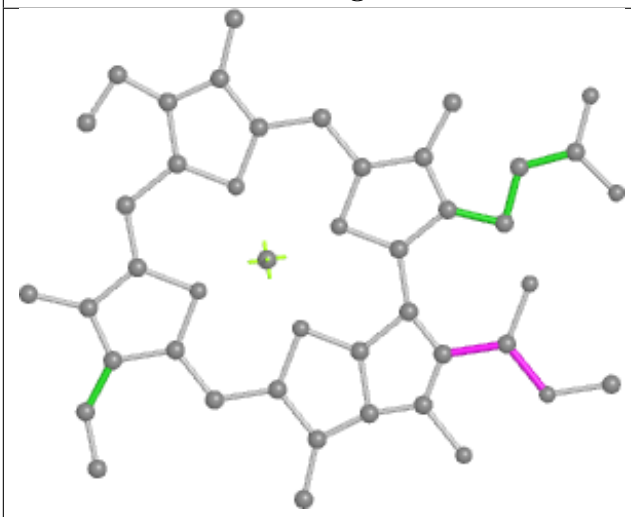


Bond angles



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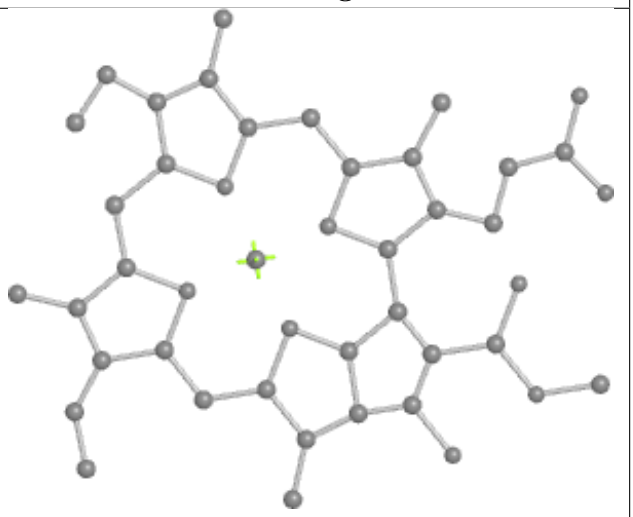
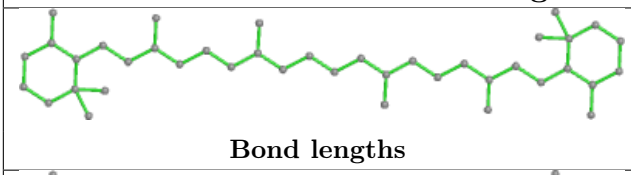
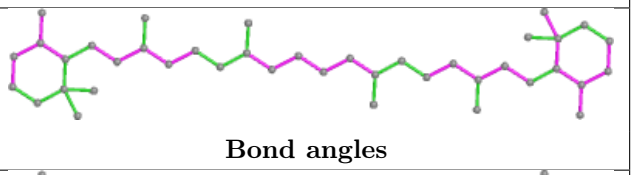


Rings

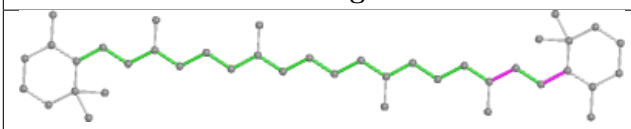
Ligand BCR l 205



Bond lengths



Bond angles



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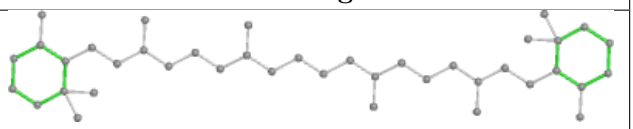
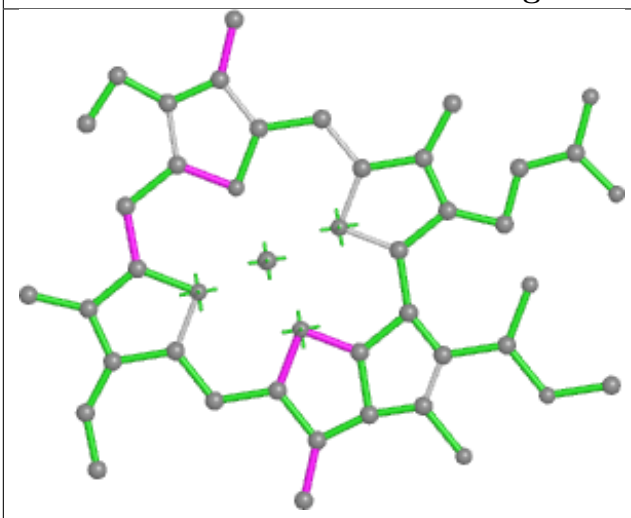
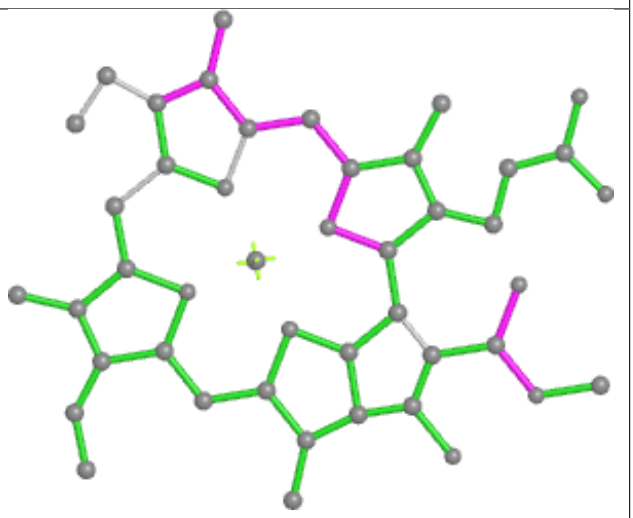


Rings

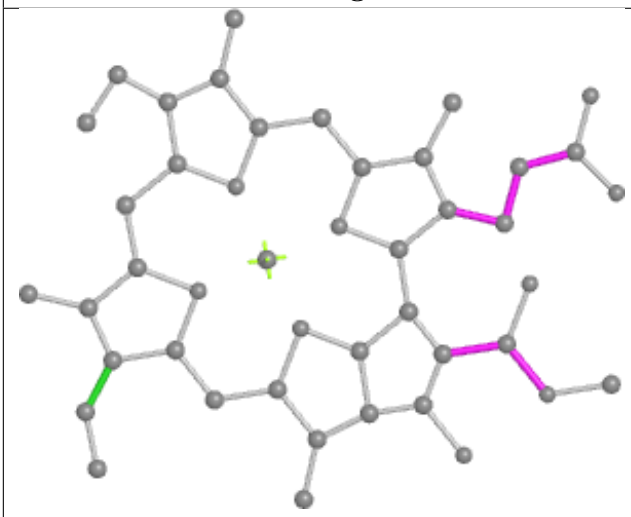
Ligand CLA G 835



Bond lengths



Bond angles



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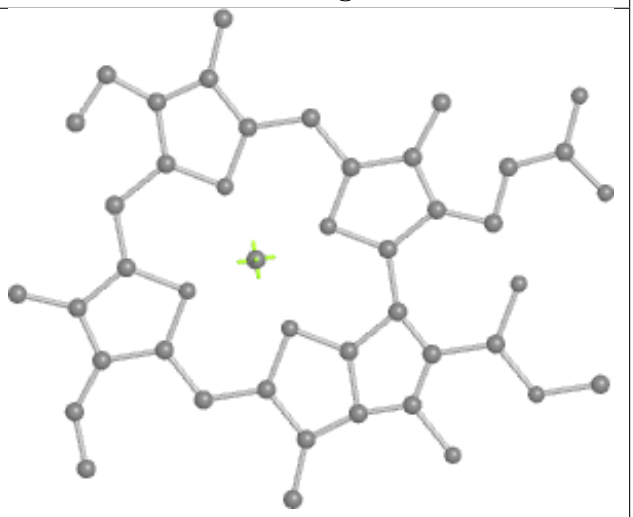
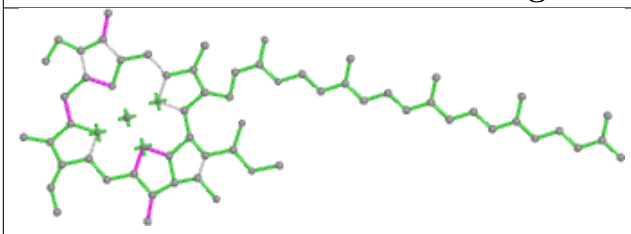
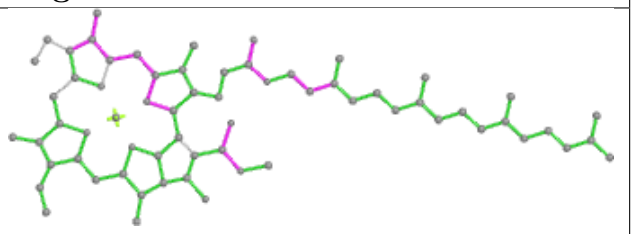


Rings

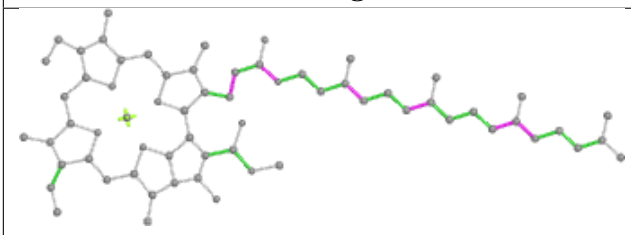
Ligand CLA g 827



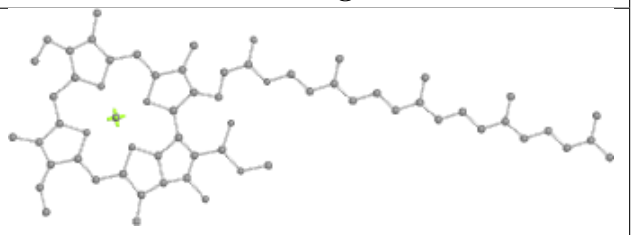
Bond lengths



Bond angles

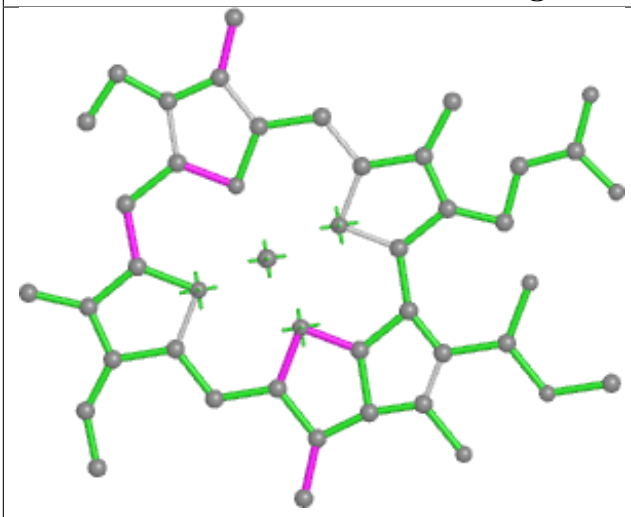


Torsions



Rings

Ligand CLA a 813



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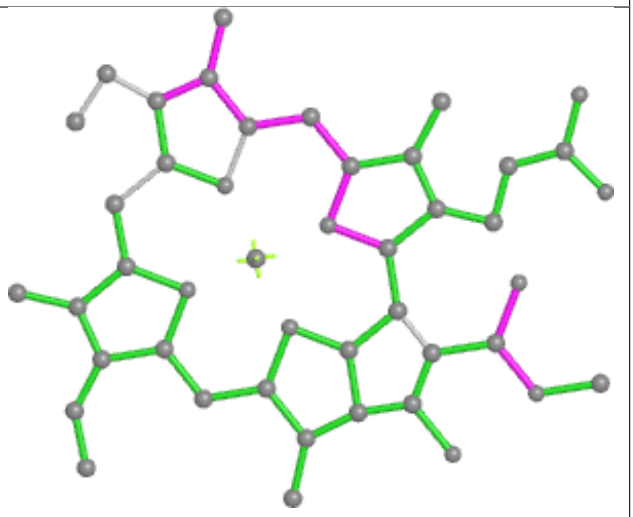
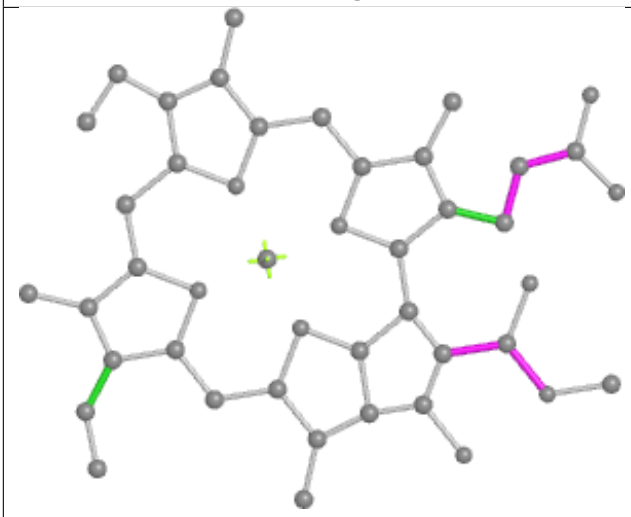


Bond angles



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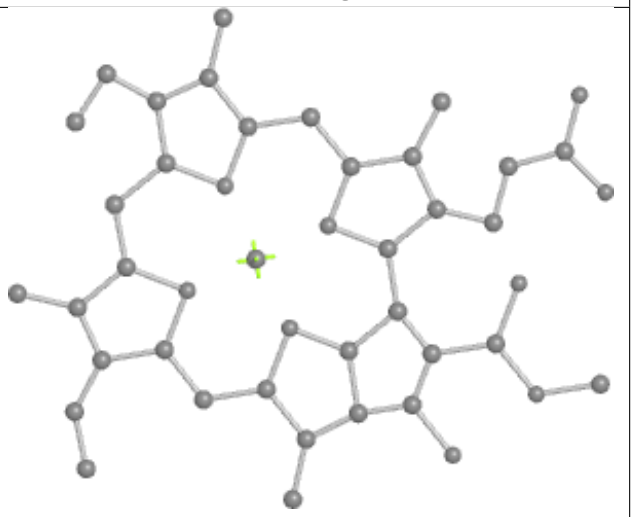
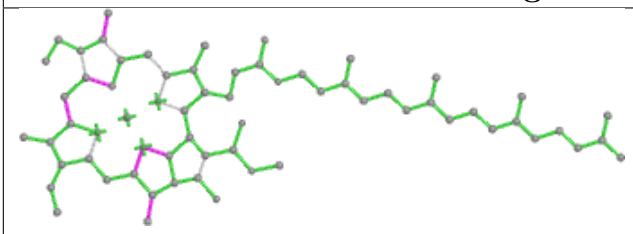


Rings

Ligand CLA A 829



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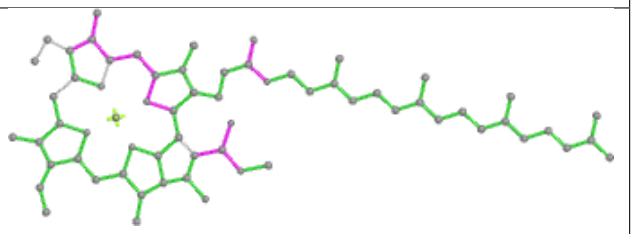
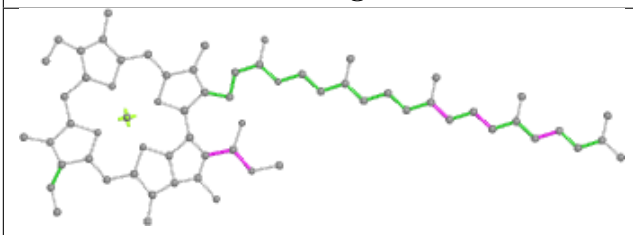
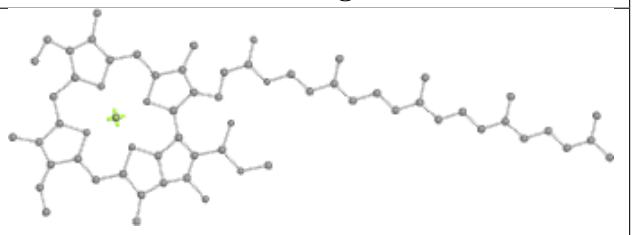


Bond angles

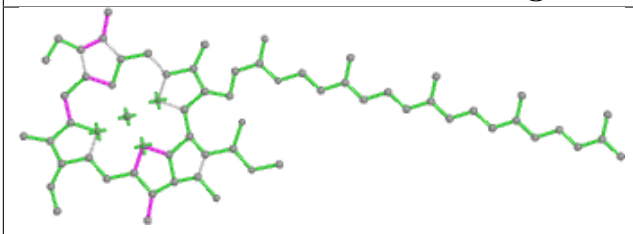


Torsions

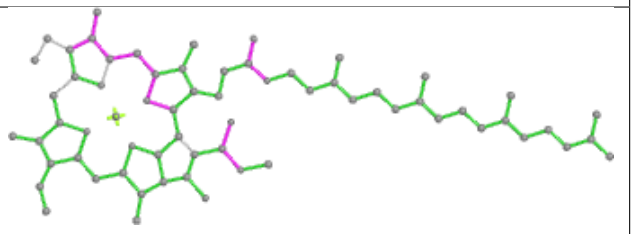


Rings

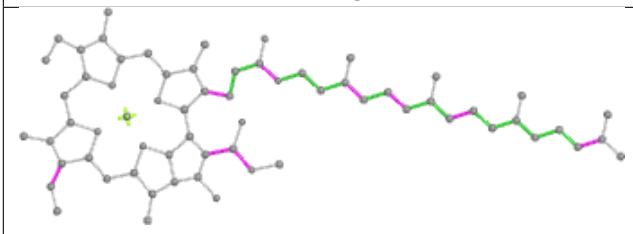
Ligand CLA b 841



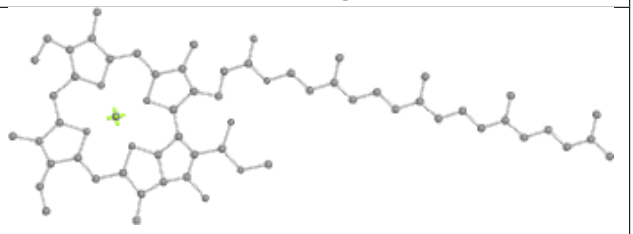
Bond lengths



Bond angles

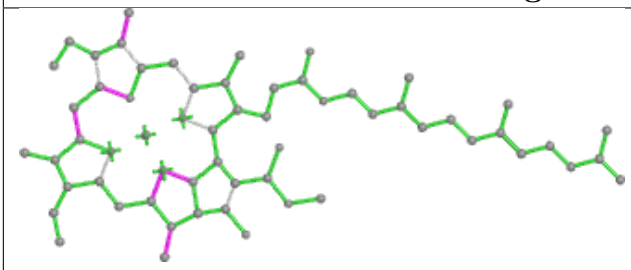


Torsions

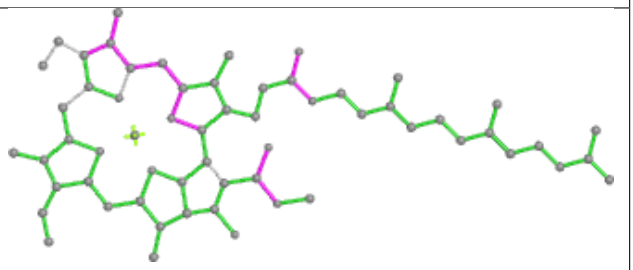


Rings

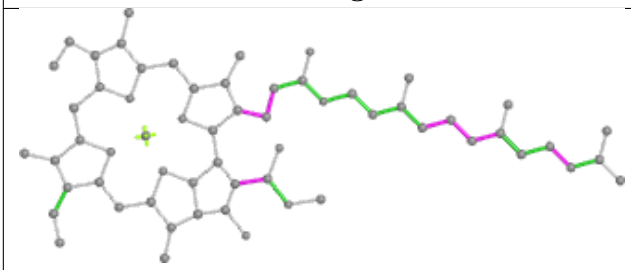
Ligand CLA B 811



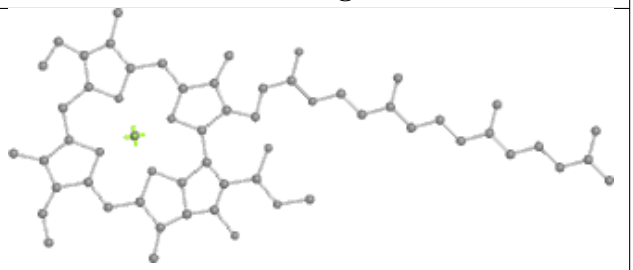
Bond lengths



Bond angles

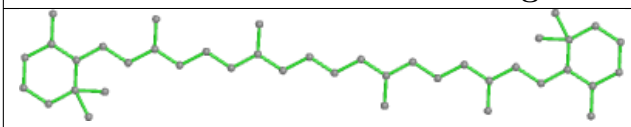


Torsions

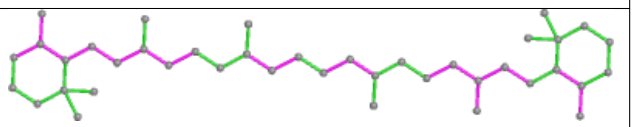


Rings

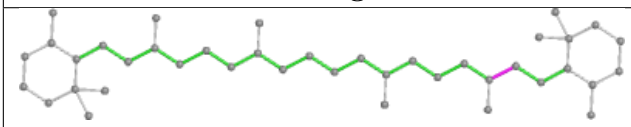
Ligand BCR N 844



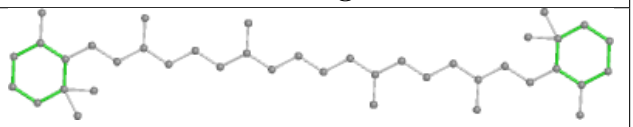
Bond lengths



Bond angles

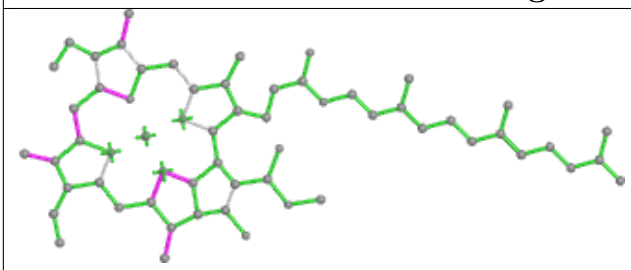


Torsions

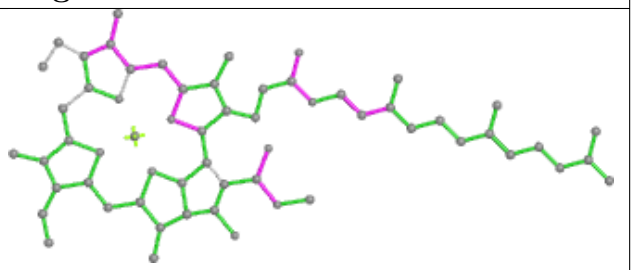


Rings

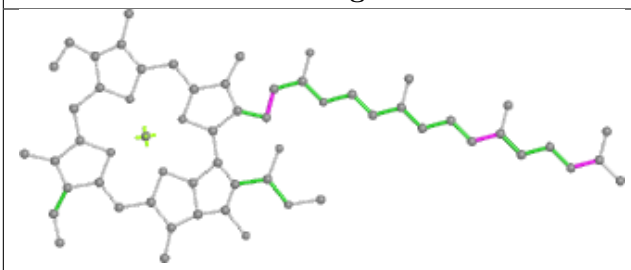
Ligand CLA g 811



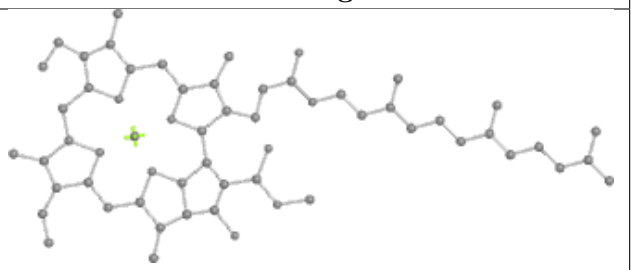
Bond lengths



Bond angles

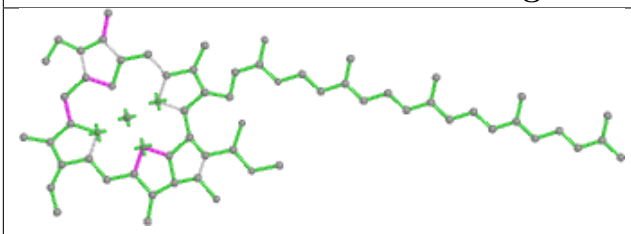


Torsions

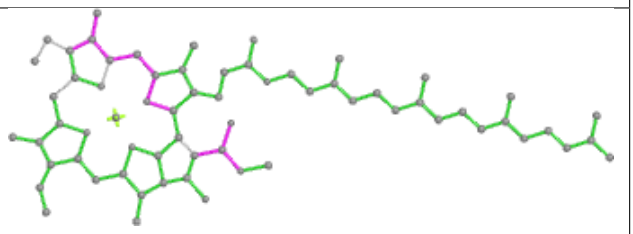


Rings

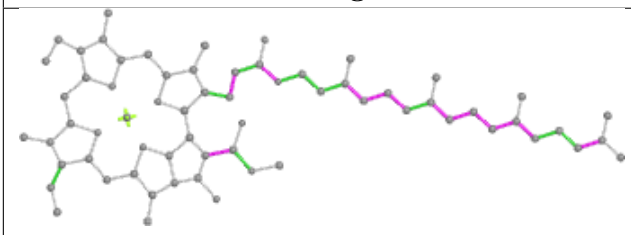
Ligand CLA G 837



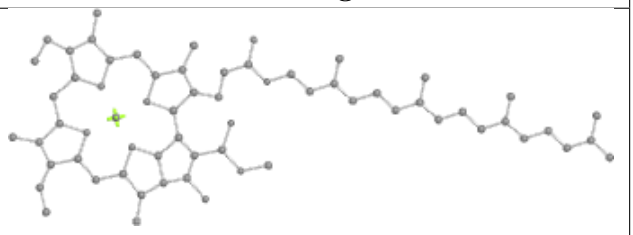
Bond lengths



Bond angles

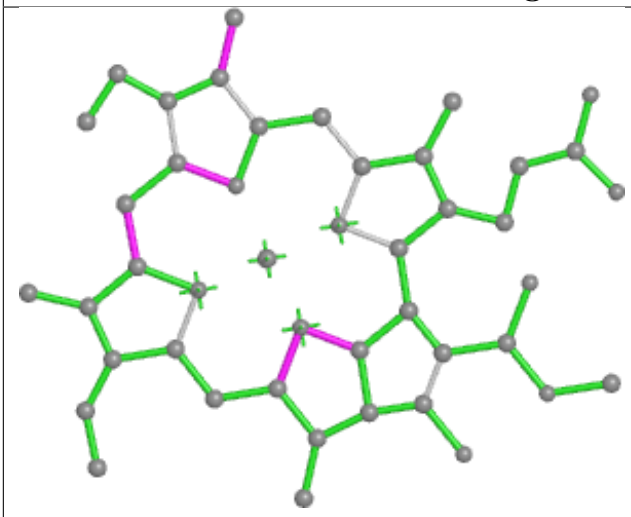


Torsions

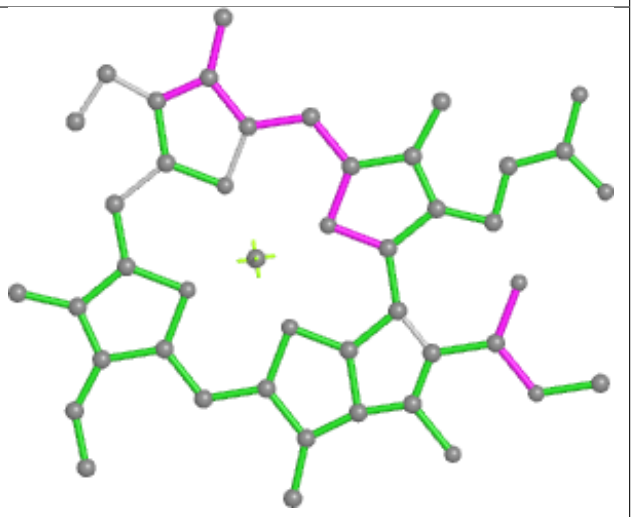


Rings

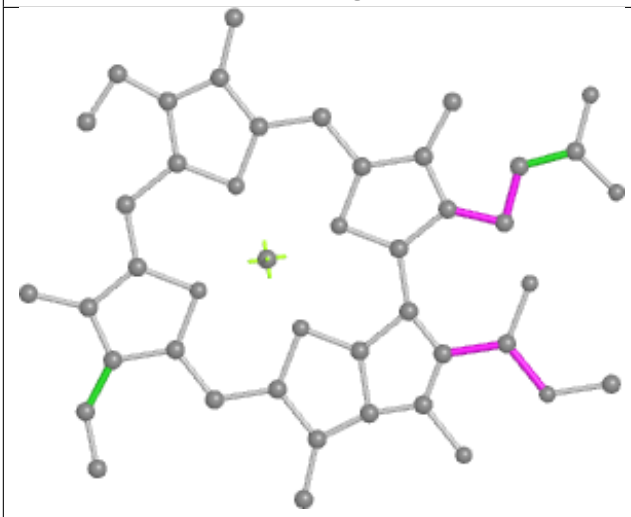
Ligand CLA A 841



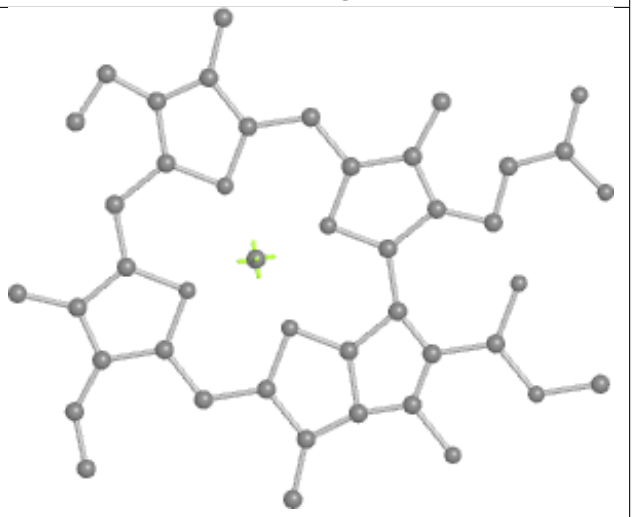
Bond lengths



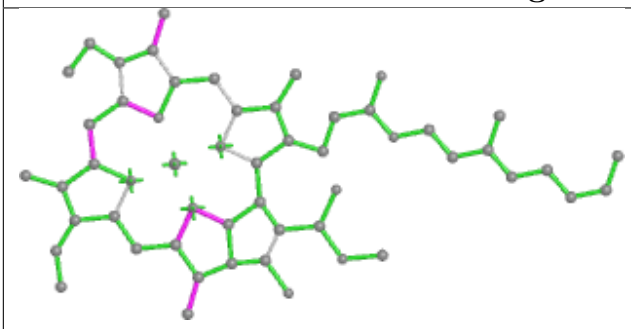
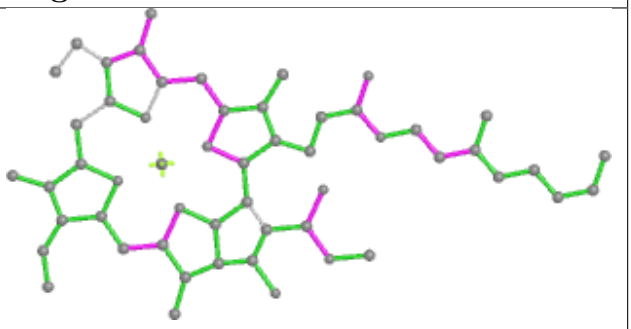
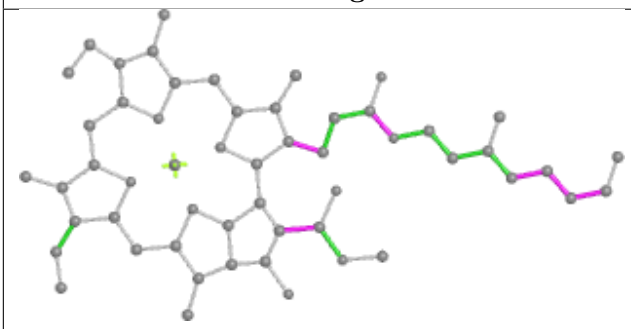
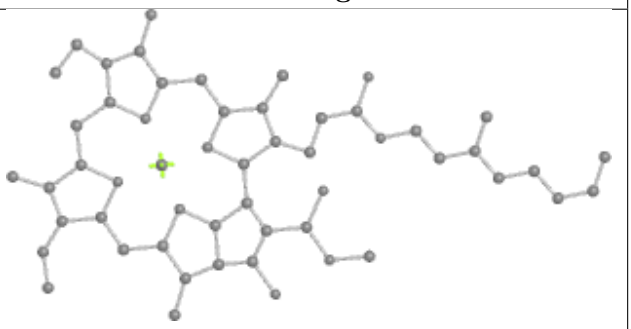
Bond angles

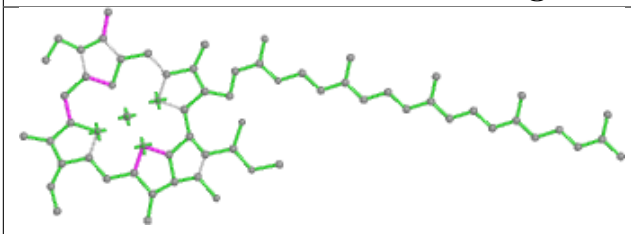
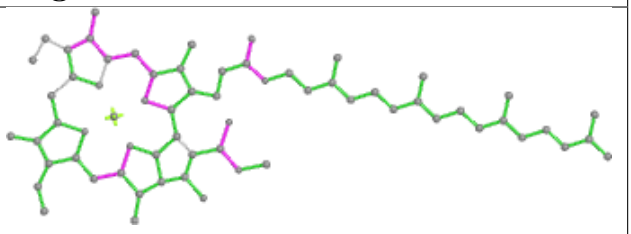
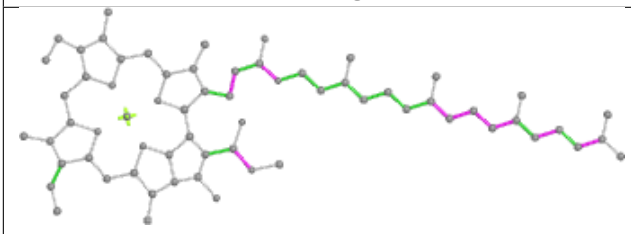
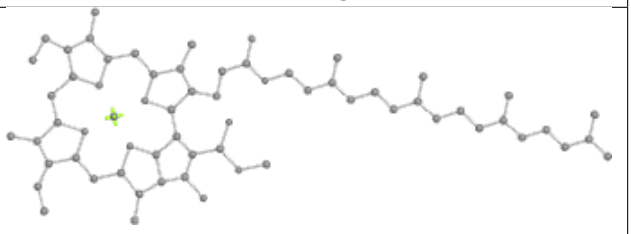


Torsions

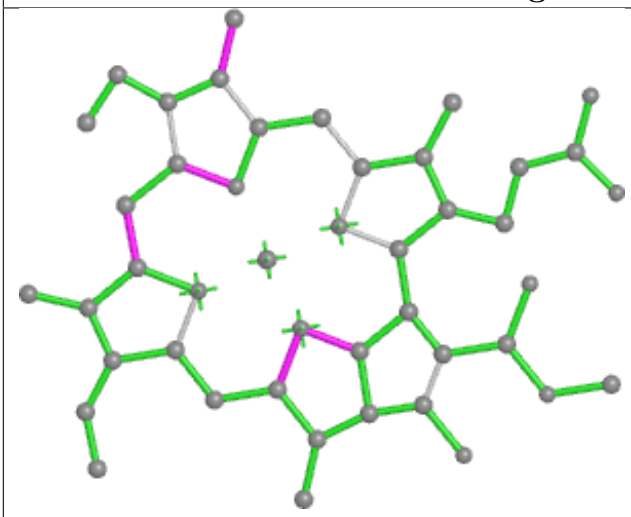


Rings

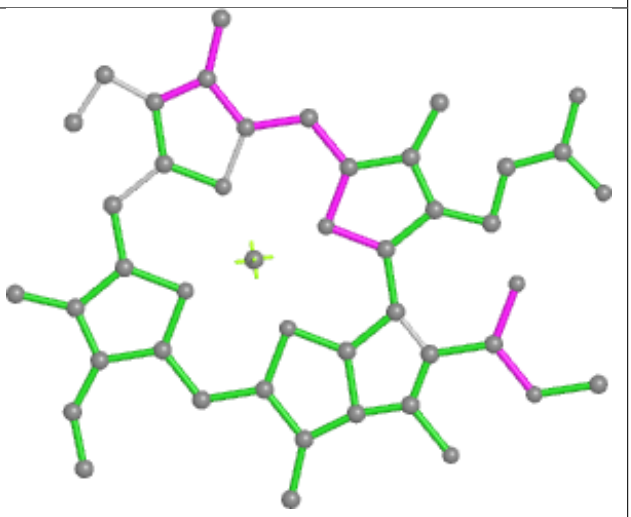
Ligand CLA g 802	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA g 819	
	
Bond lengths	Bond angles
	
Torsions	Rings

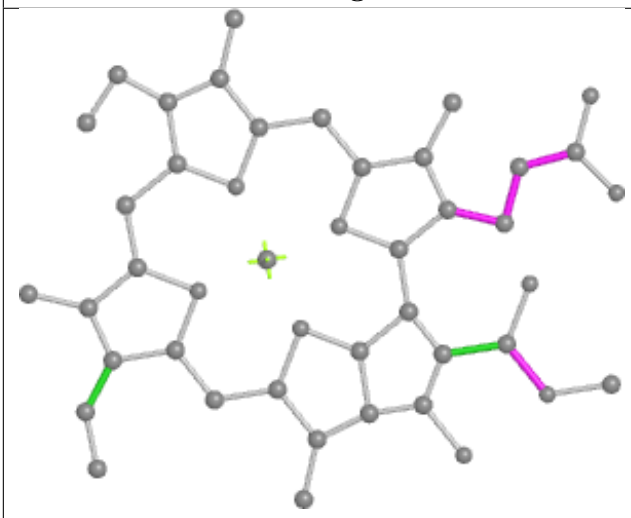
Ligand CLA a 808



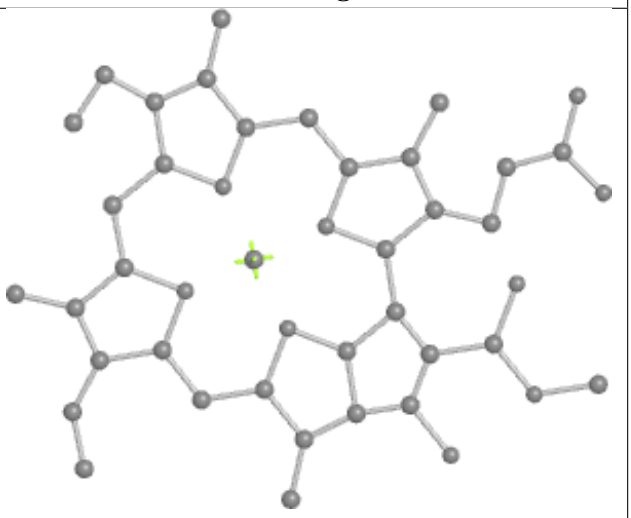
Bond lengths



Bond angles

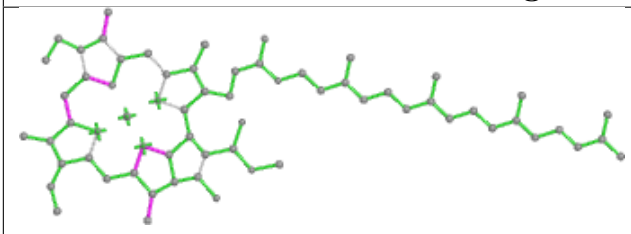


Torsions

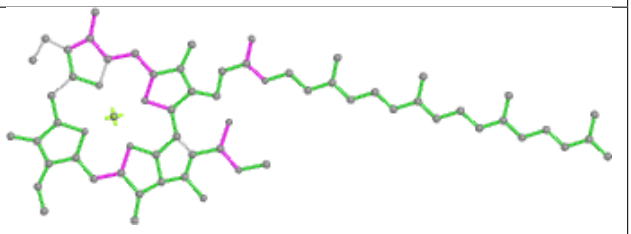


Rings

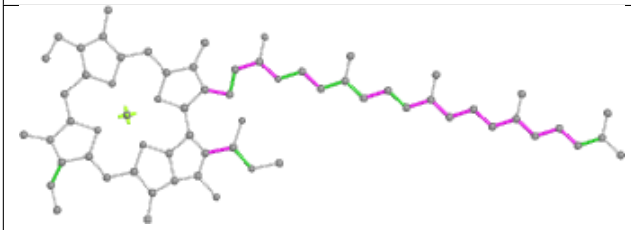
Ligand CLA G 804



Bond lengths



Bond angles



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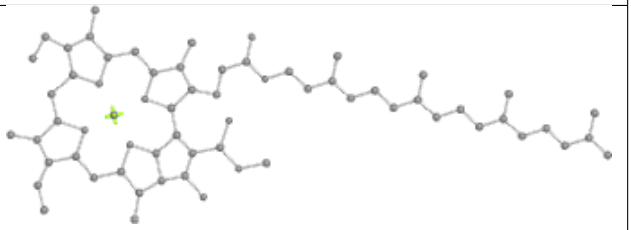
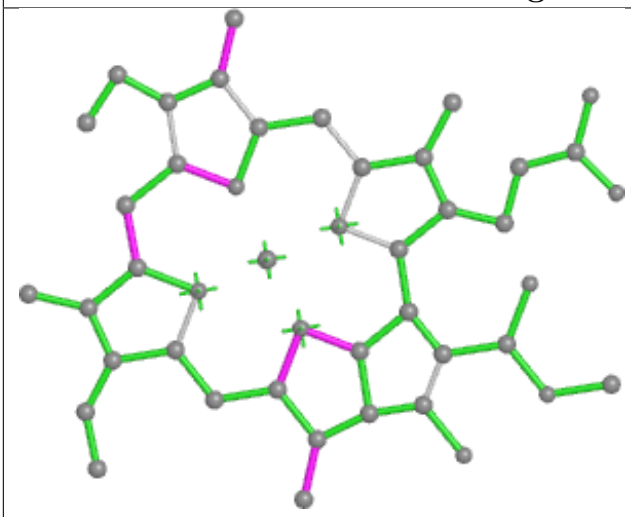
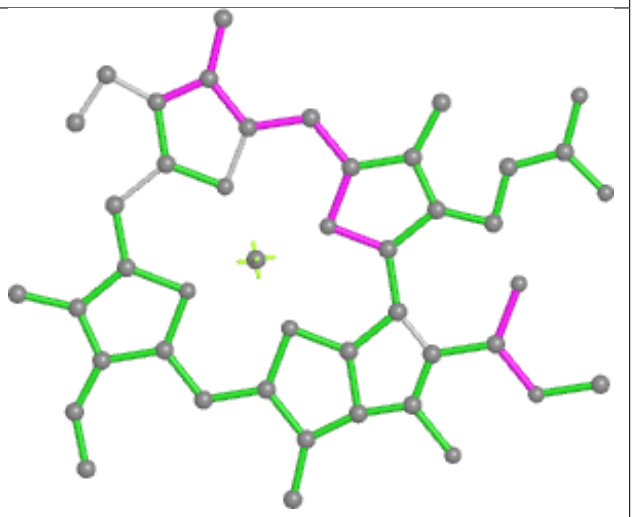


Rings

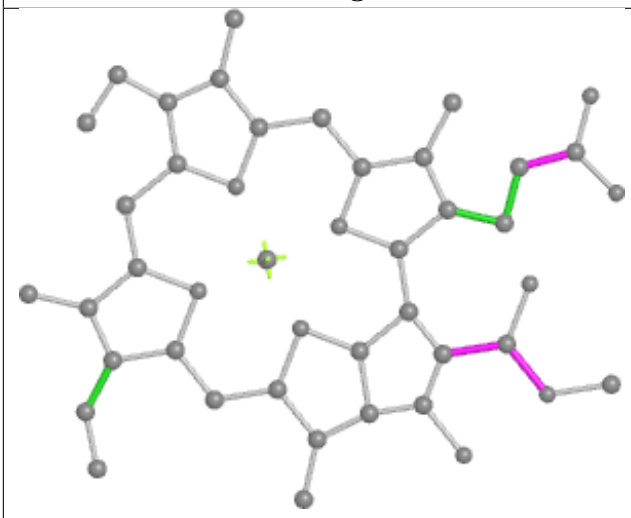
Ligand CLA S 203



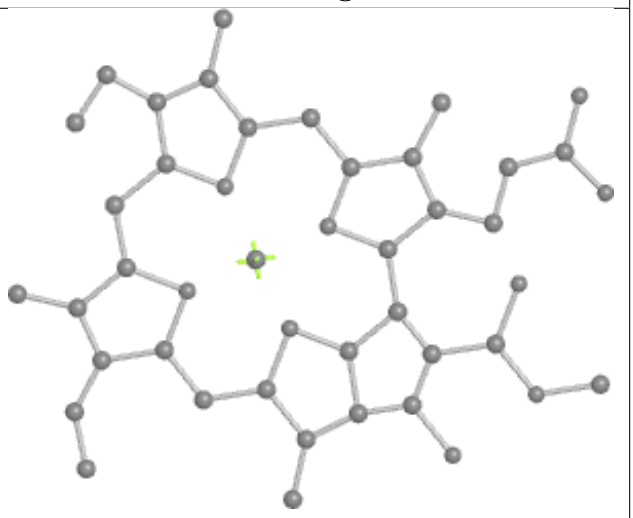
Bond lengths



Bond angles

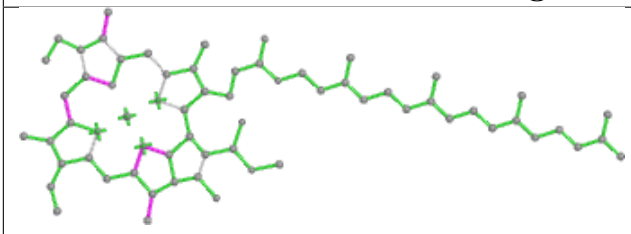


Torsions

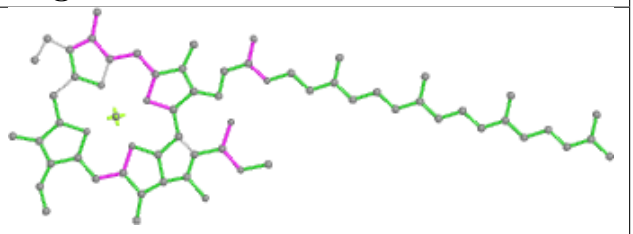


Rings

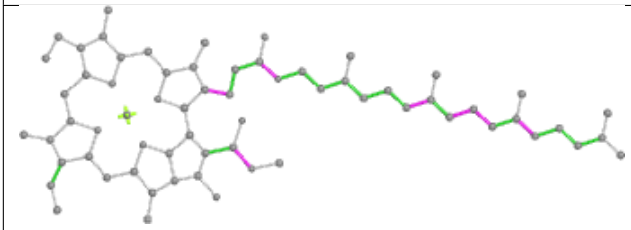
Ligand CLA g 809



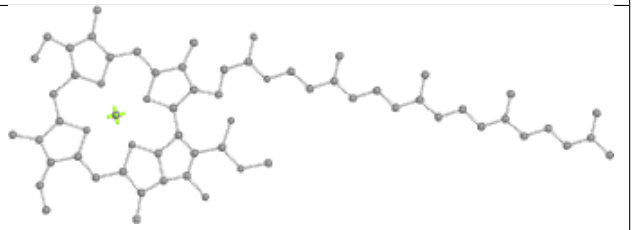
Bond lengths



Bond angles

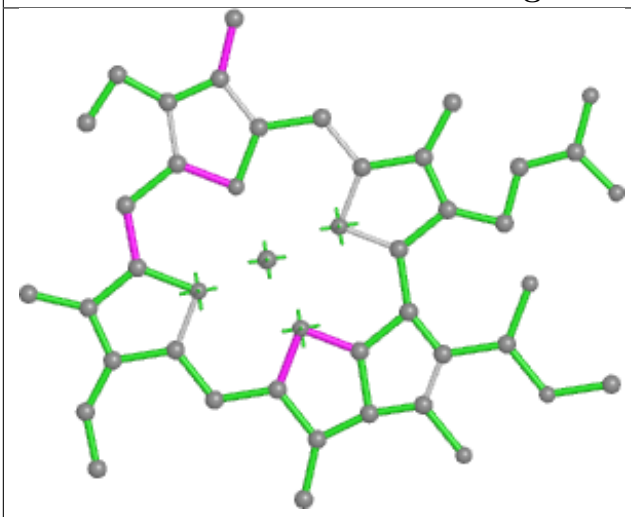


Torsions



Rings

Ligand CLA A 815



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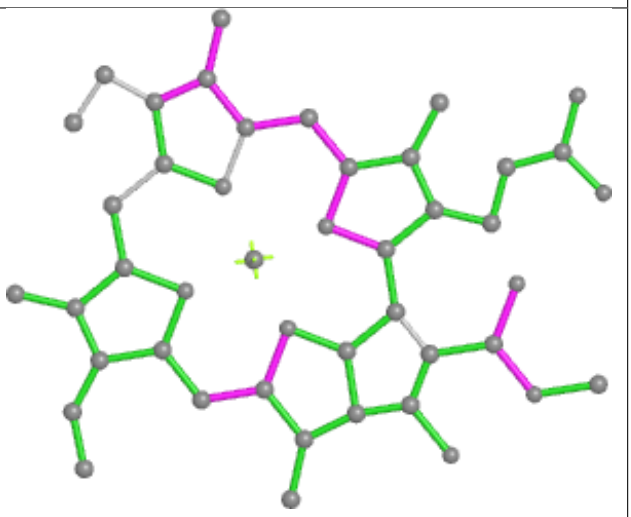
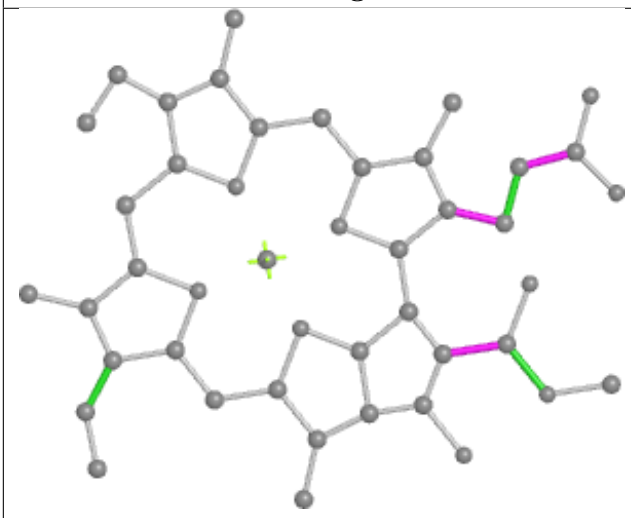


Bond angles



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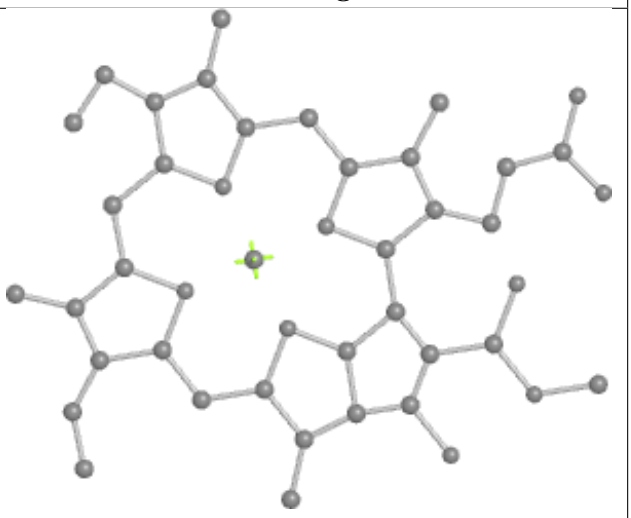
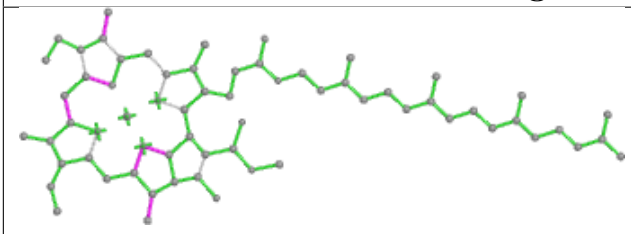
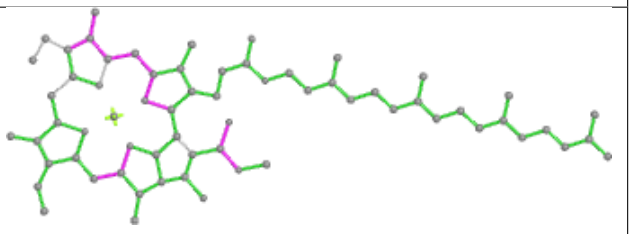


Rings

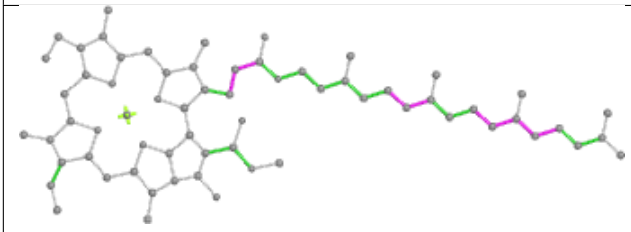
Ligand CLA a 836



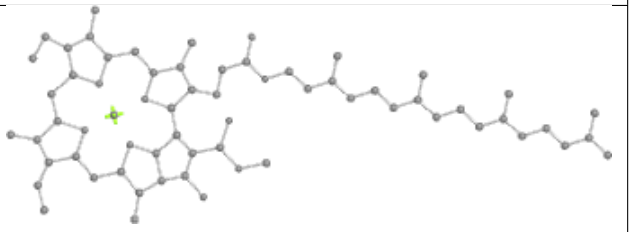
Bond lengths



Bond angles

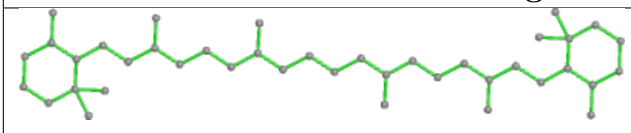


Torsions

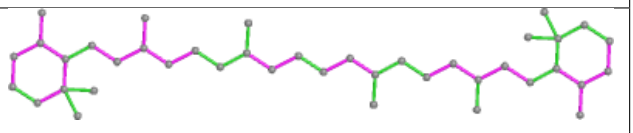


Rings

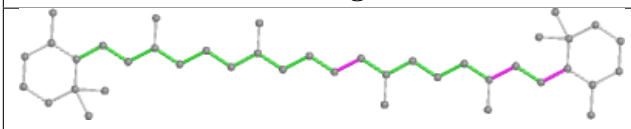
Ligand BCR n 851



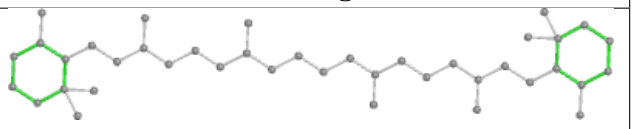
Bond lengths



Bond angles

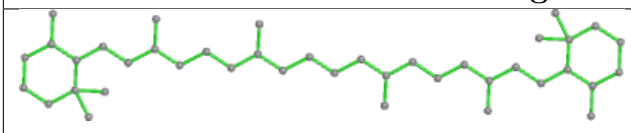


Torsions

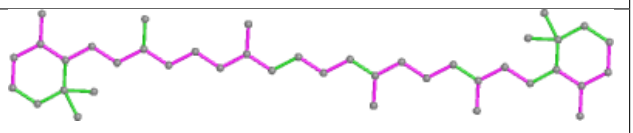


Rings

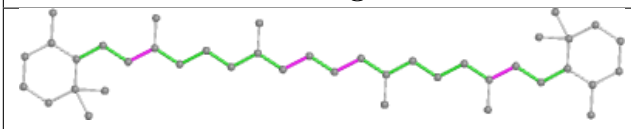
Ligand BCR i 102



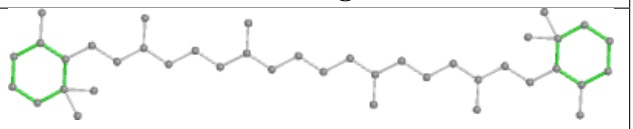
Bond lengths



Bond angles

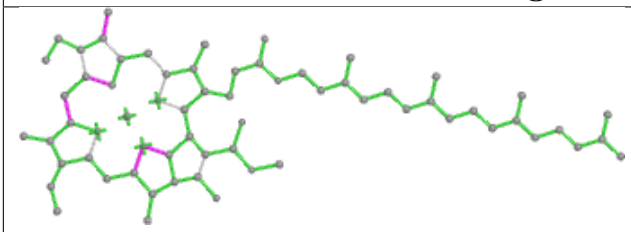


Torsions

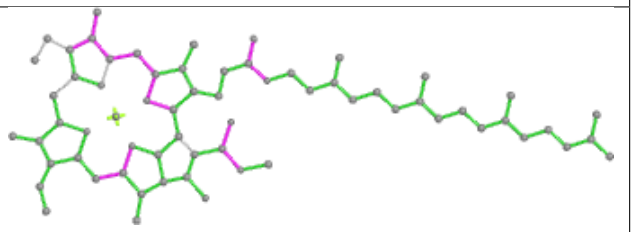


Rings

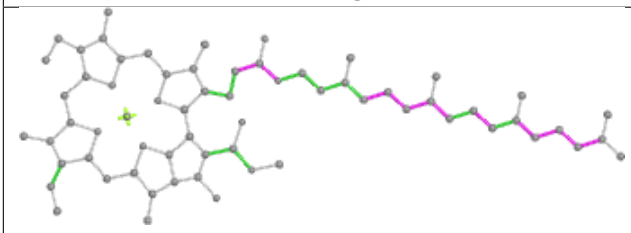
Ligand CLA n 806



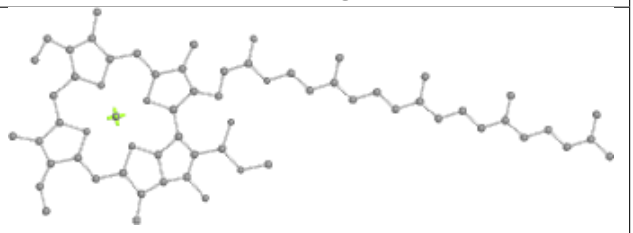
Bond lengths



Bond angles

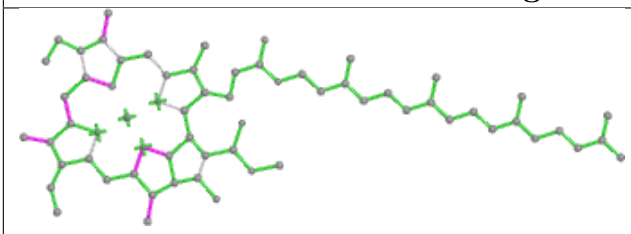


Torsions

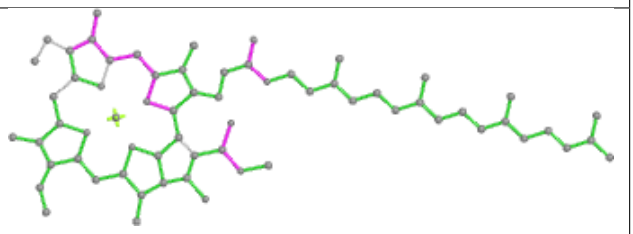


Rings

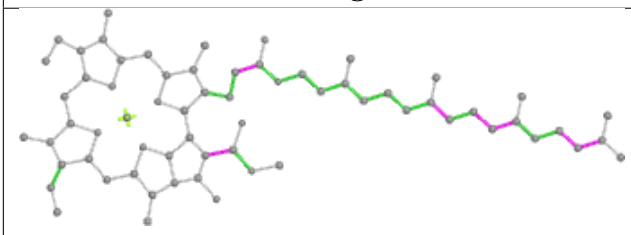
Ligand CLA G 826



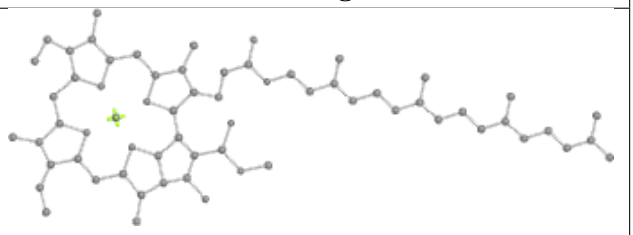
Bond lengths



Bond angles

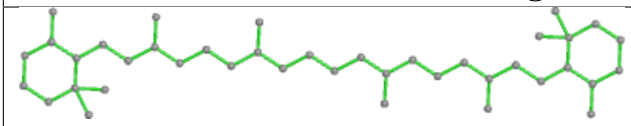


Torsions

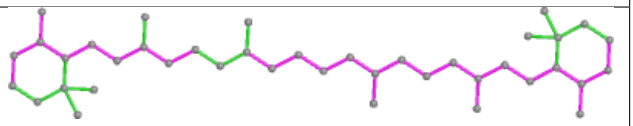


Rings

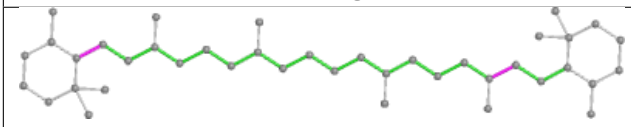
Ligand BCR a 844



Bond lengths



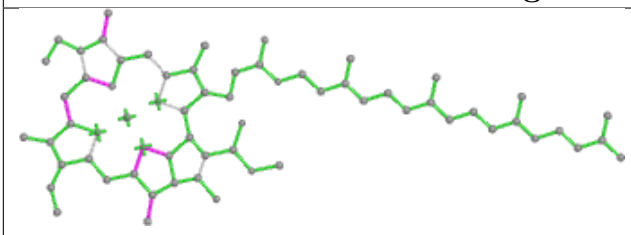
Bond angles



Torsions

Rings

Ligand CLA N 801



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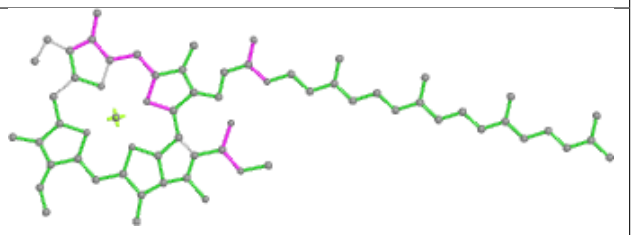
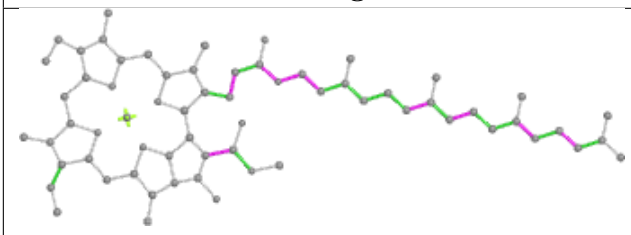
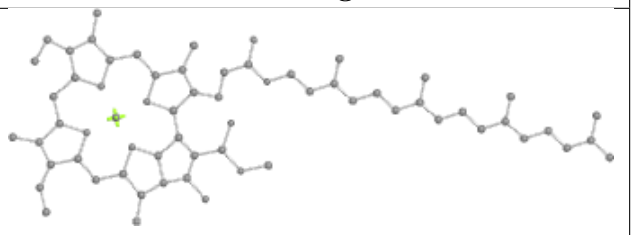


Bond angles

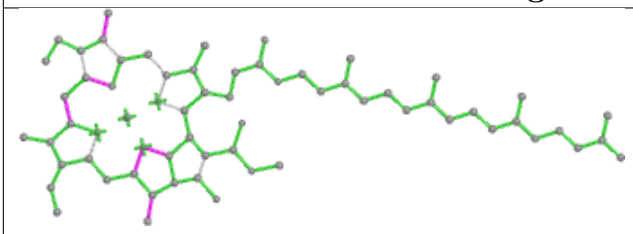


Torsions

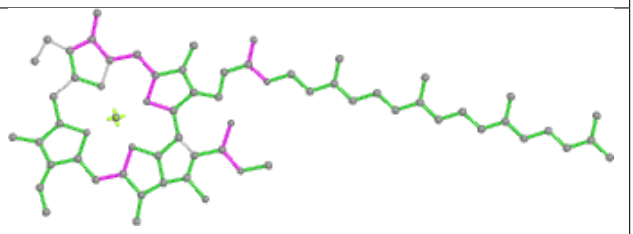


Rings

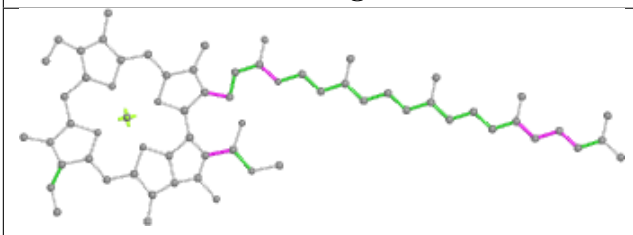
Ligand CLA n 805



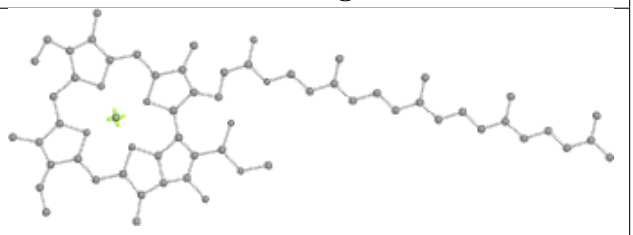
Bond lengths



Bond angles

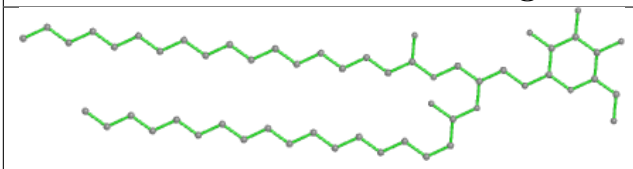


Torsions

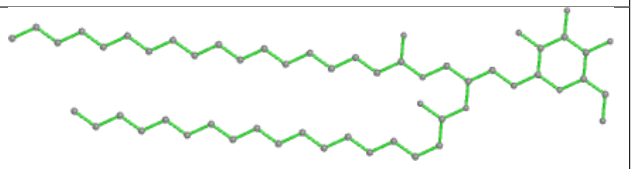


Rings

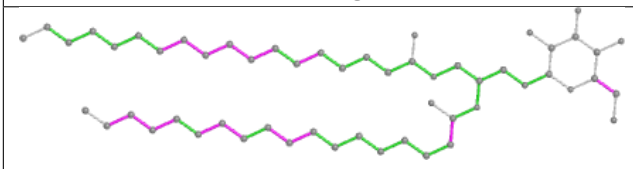
Ligand LMG N 850



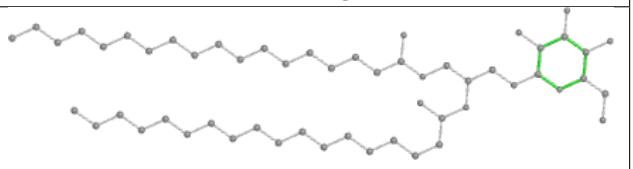
Bond lengths



Bond angles

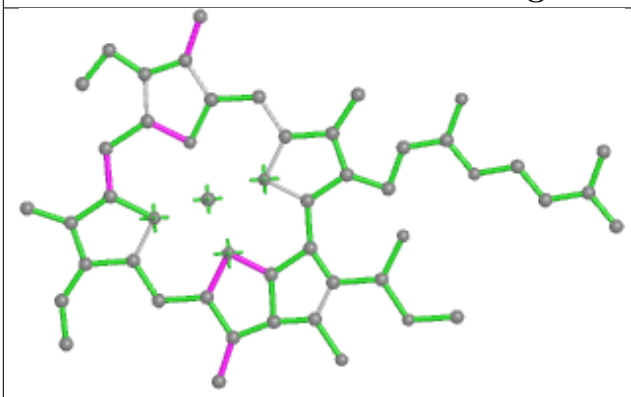


Torsions

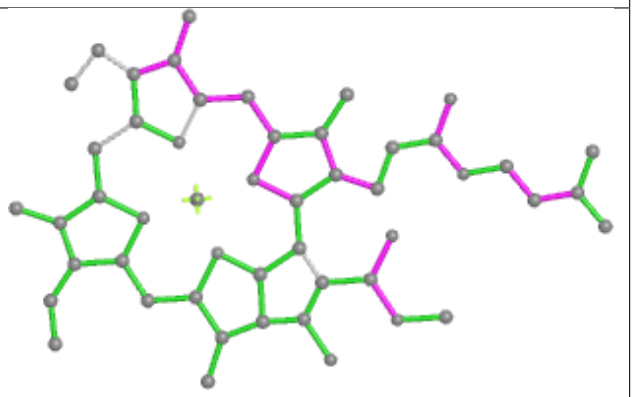


Rings

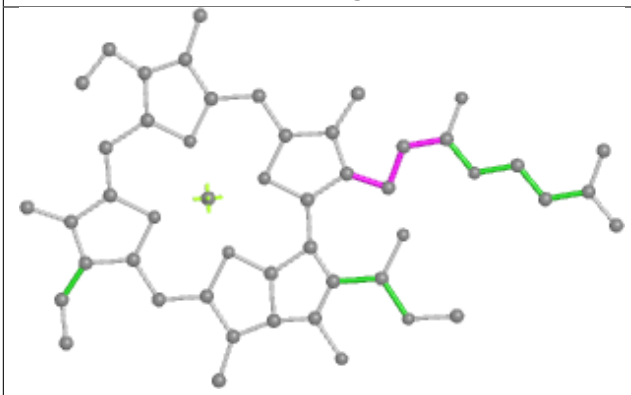
Ligand CLA n 814



Bond lengths



Bond angles



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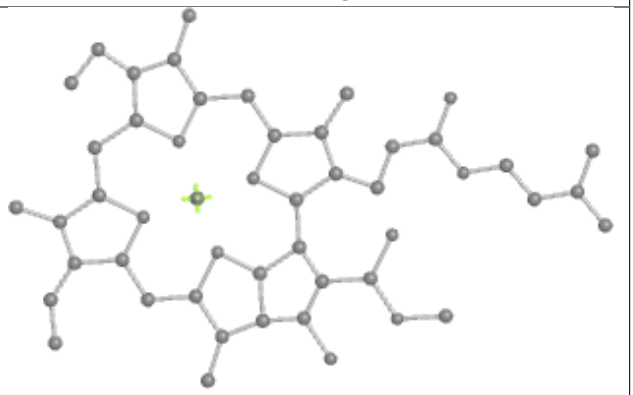
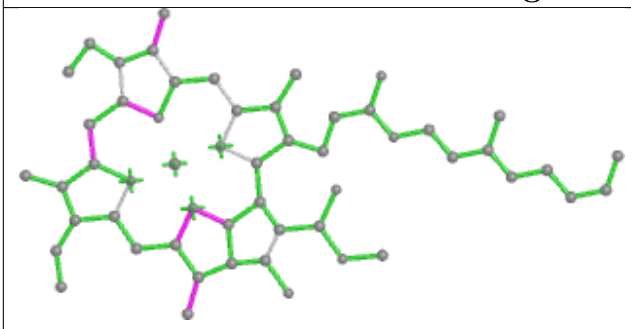


Rings

Ligand CLA N 832



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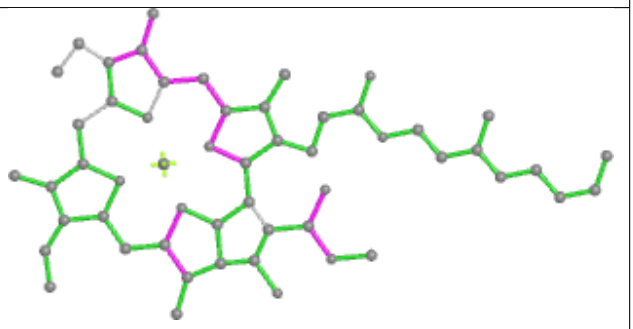
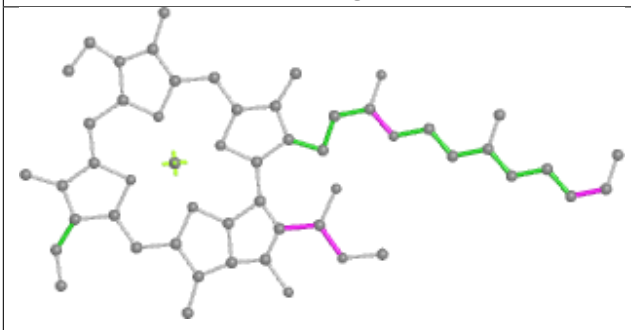


Bond angles



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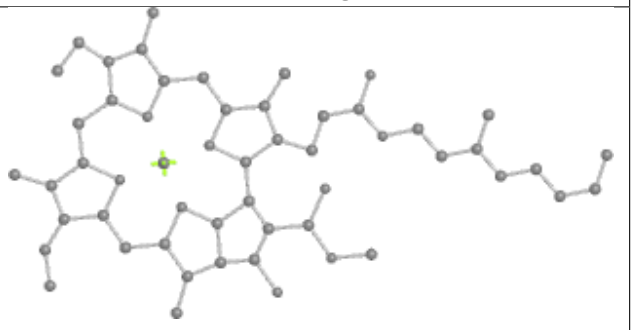
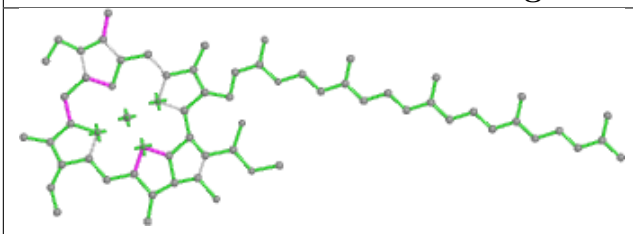
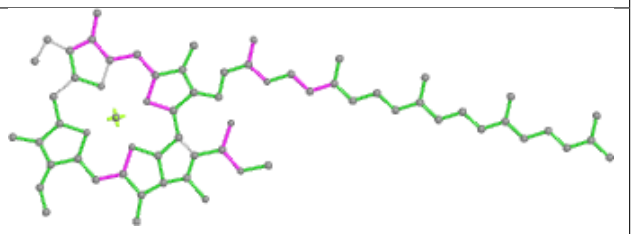


Rings

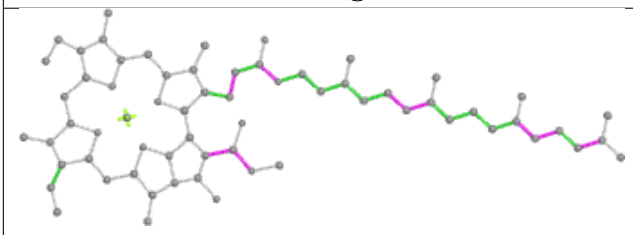
Ligand CLA B 807



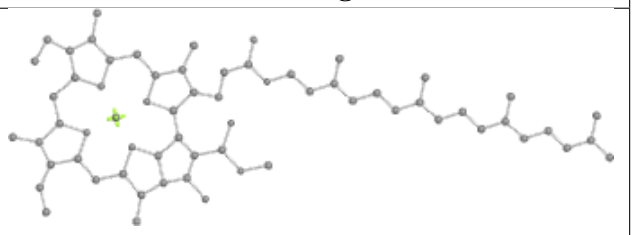
Bond lengths



Bond angles

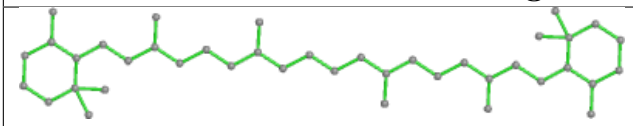


Torsions

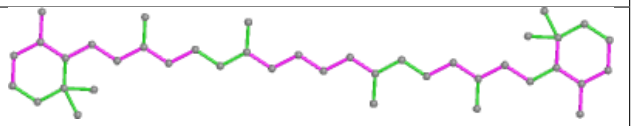


Rings

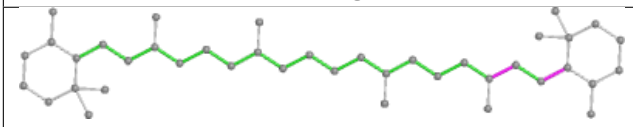
Ligand BCR b 843



Bond lengths



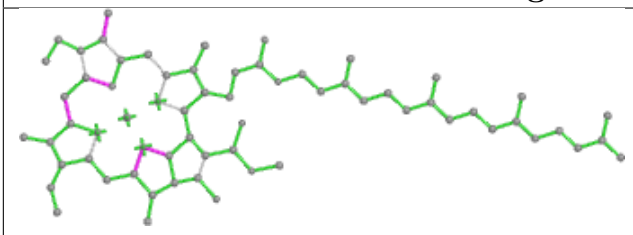
Bond angles



Torsions

Rings

Ligand CLA n 807



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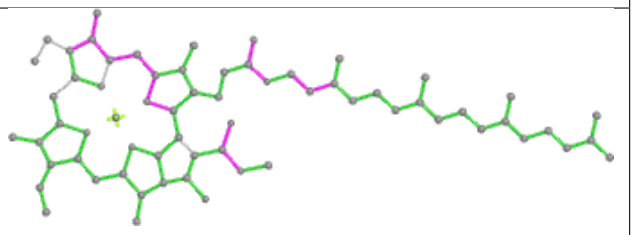
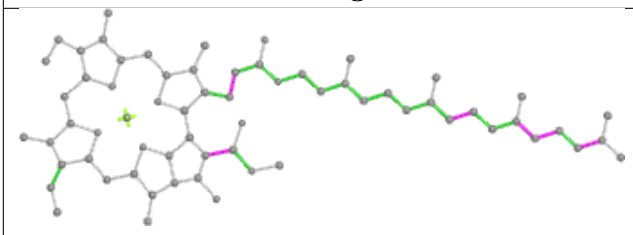
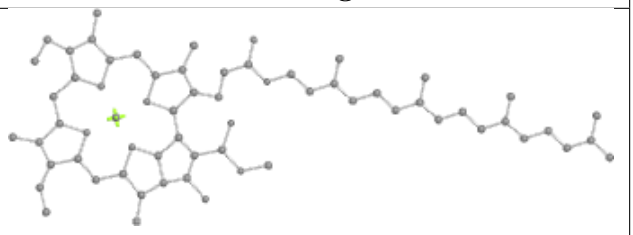


Bond angles

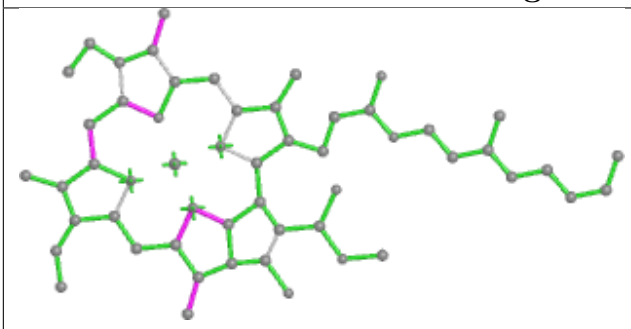


Torsions

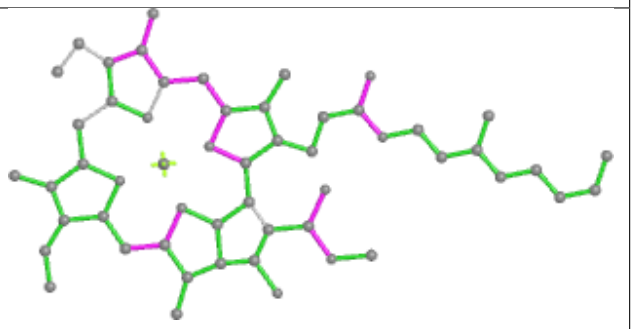


Rings

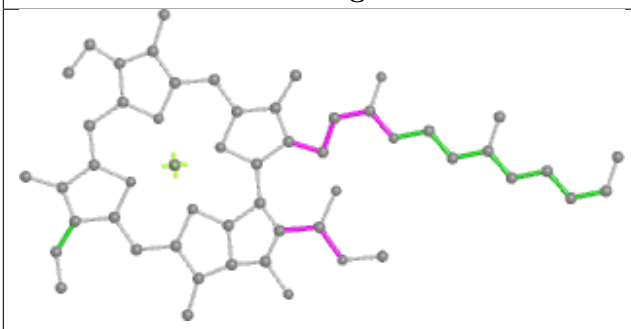
Ligand CLA A 830



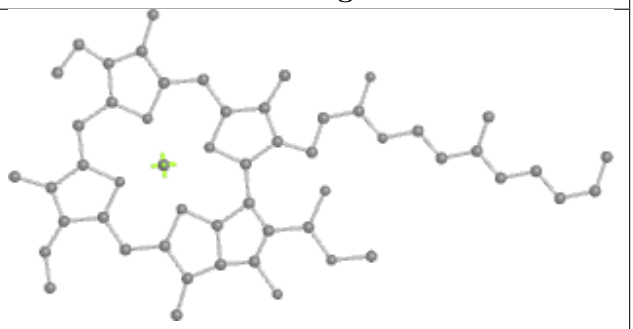
Bond lengths



Bond angles

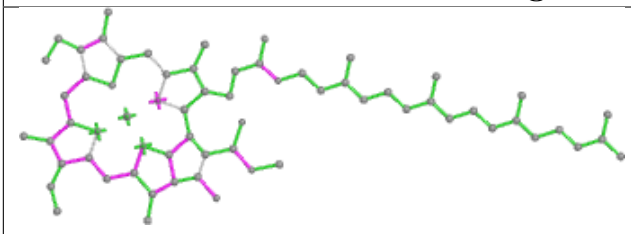


Torsions

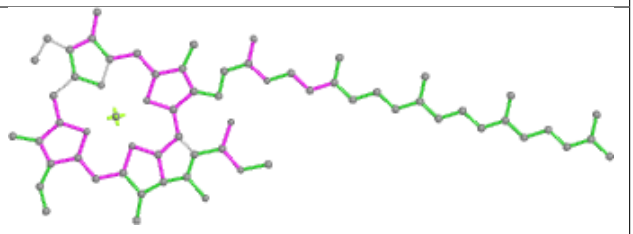


Rings

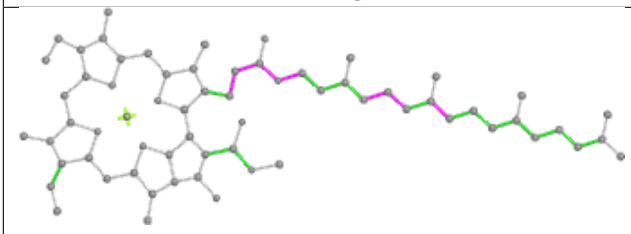
Ligand CL0 G 851



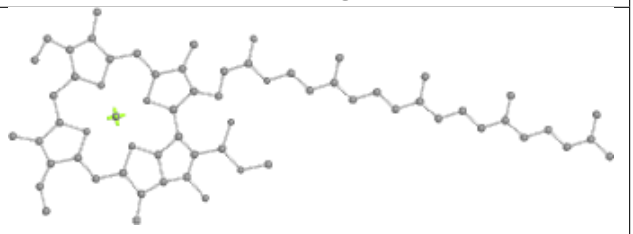
Bond lengths



Bond angles

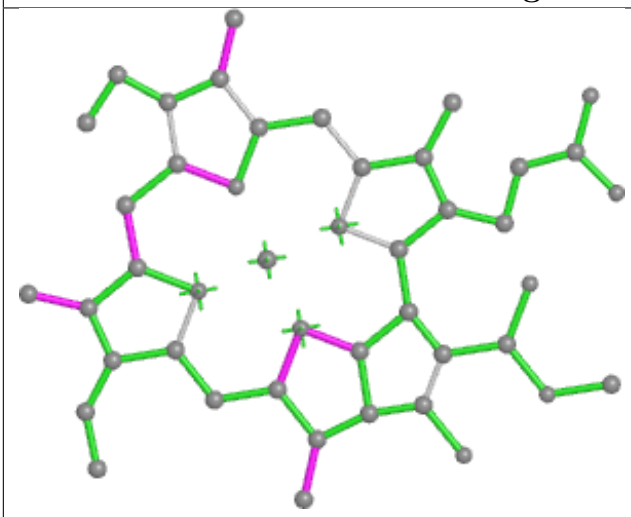


Torsions

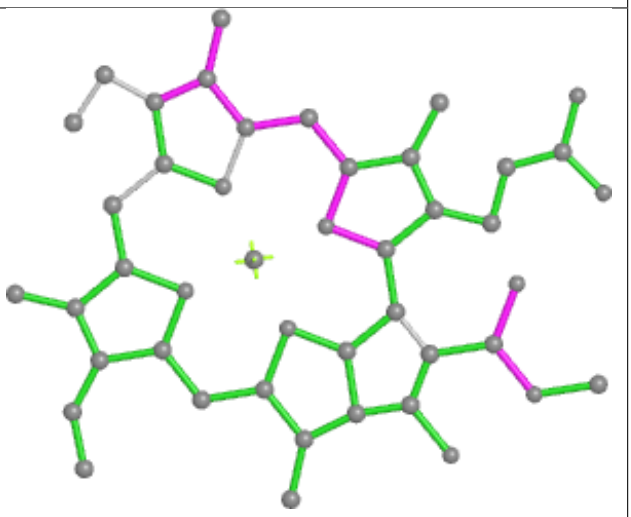


Rings

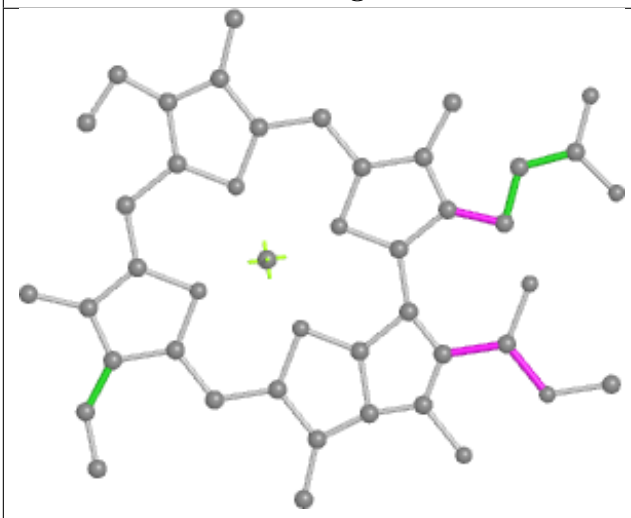
Ligand CLA G 840



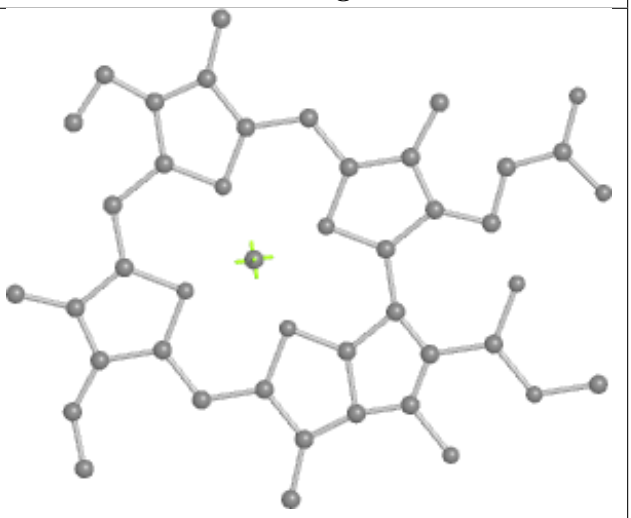
Bond lengths



Bond angles

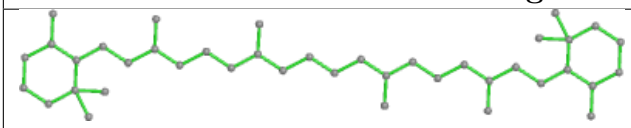


Torsions

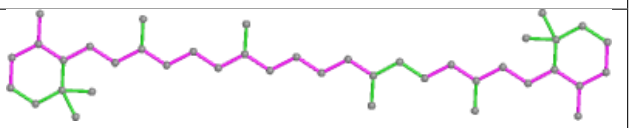


Rings

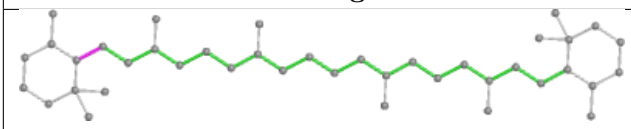
Ligand BCR J 103



Bond lengths



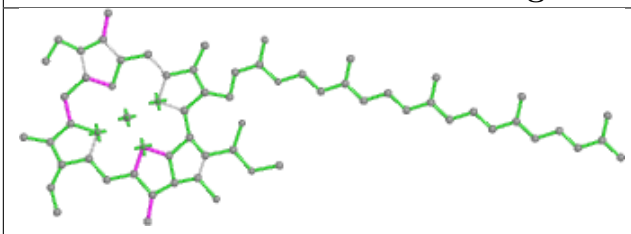
Bond angles



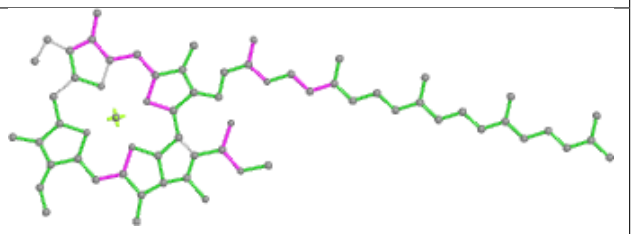
Torsions

Rings

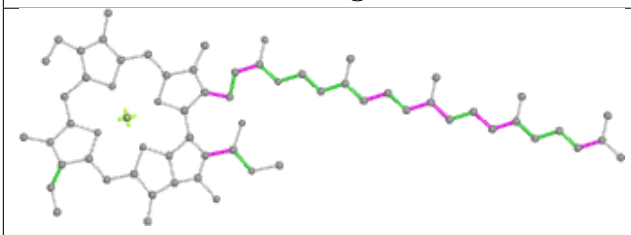
Ligand CLA b 833



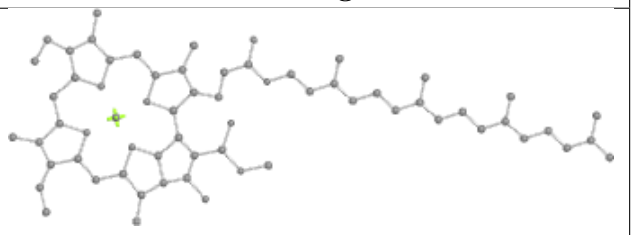
Bond lengths



Bond angles

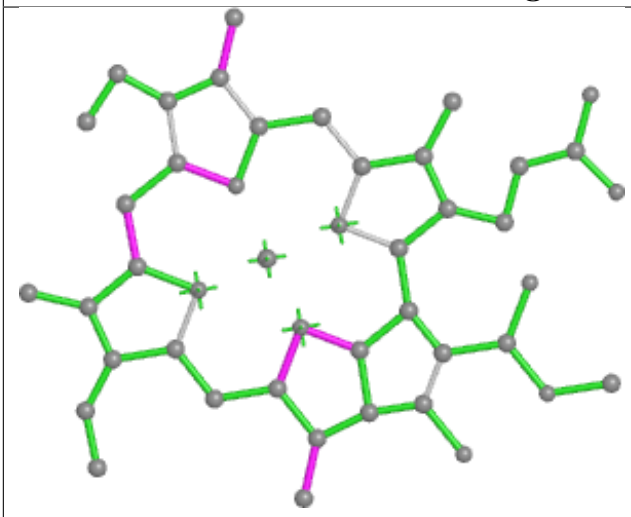


Torsions



Rings

Ligand CLA w 205



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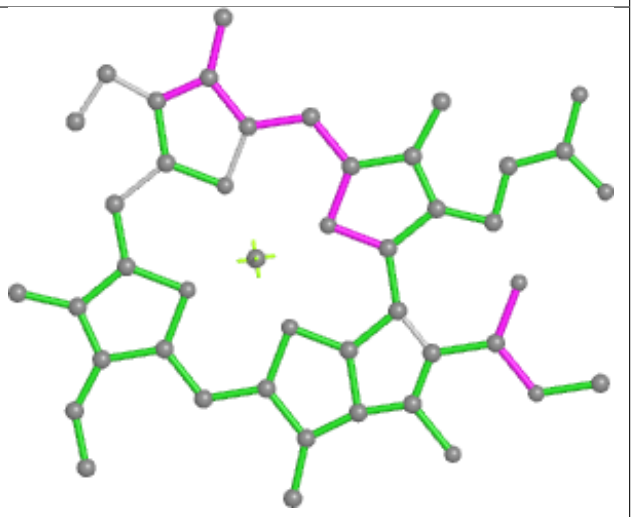
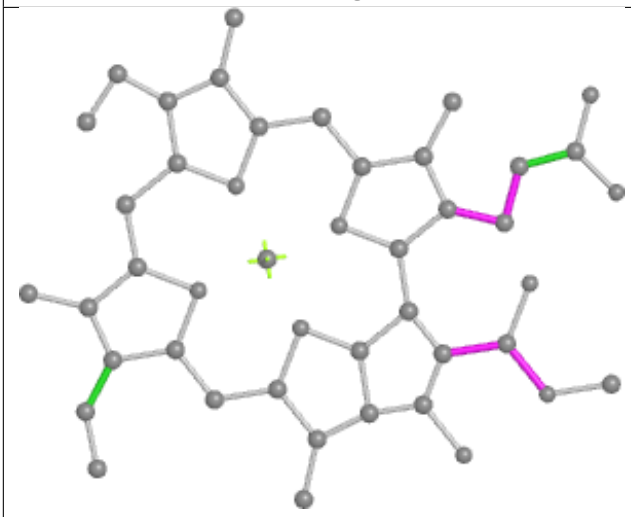
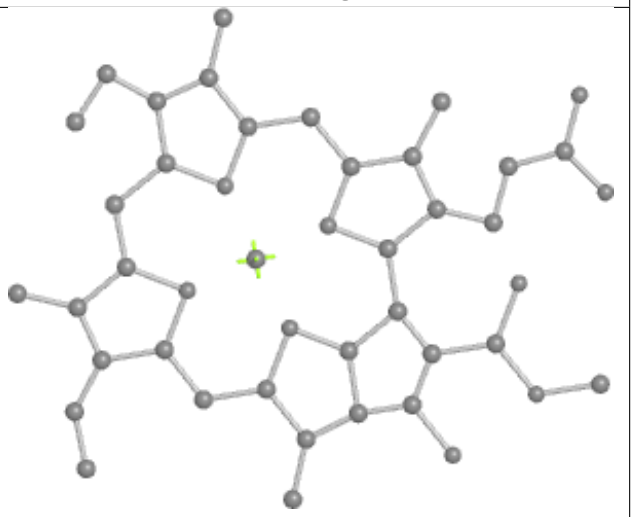


Bond angles

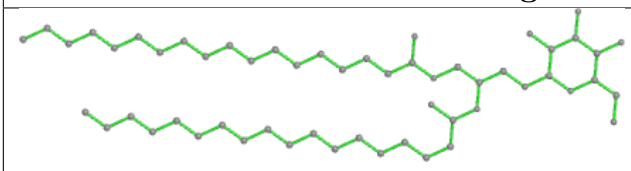


Torsions

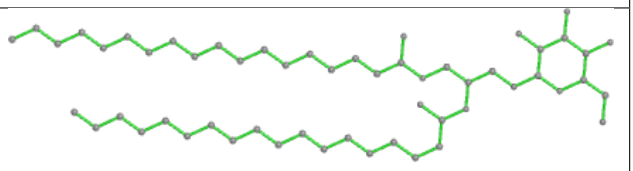


Rings

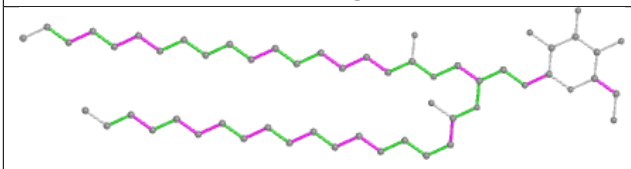
Ligand LMG B 849



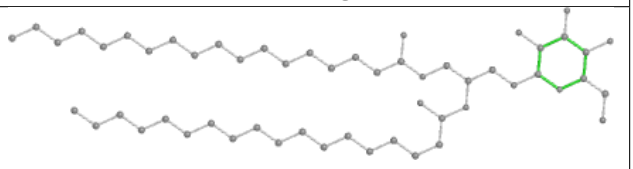
Bond lengths



Bond angles

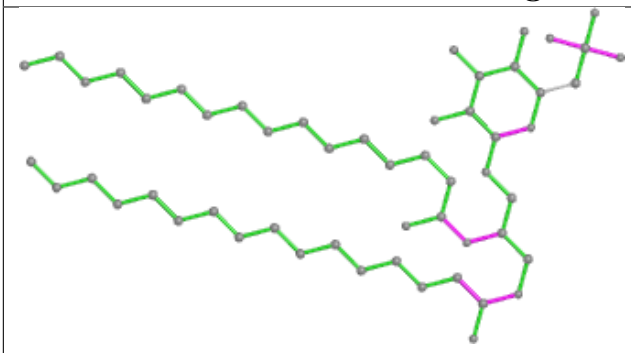


Torsions

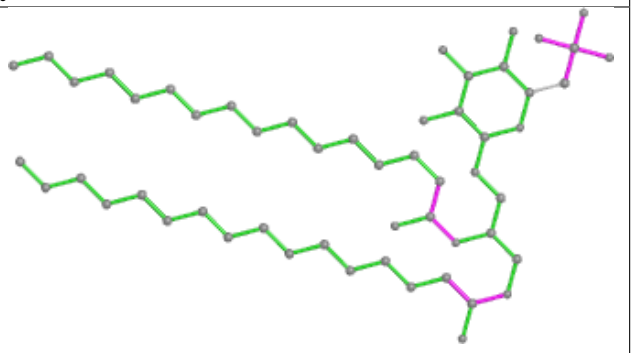


Rings

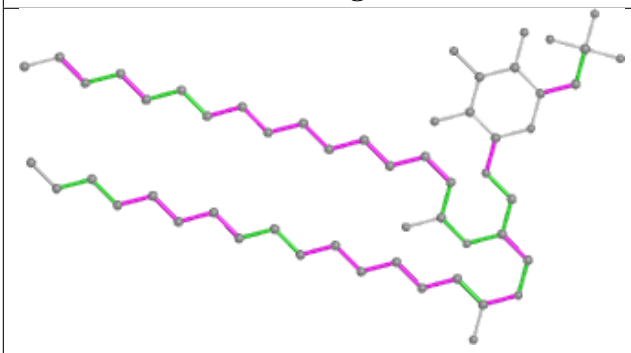
Ligand SQD w 202



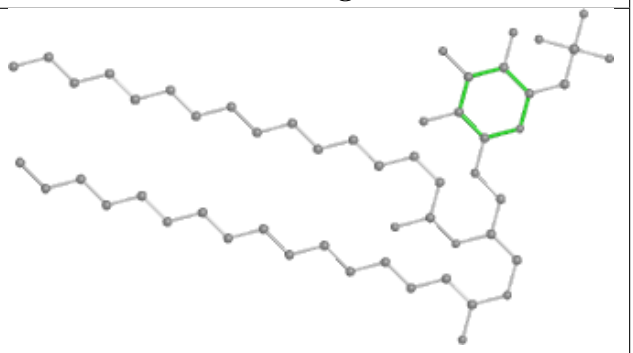
Bond lengths



Bond angles

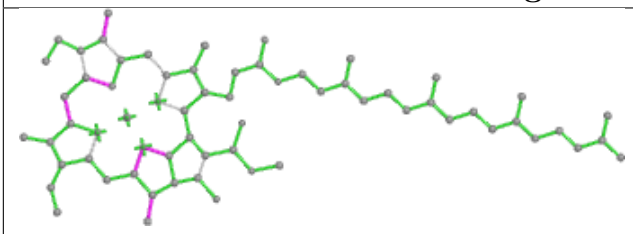


Torsions

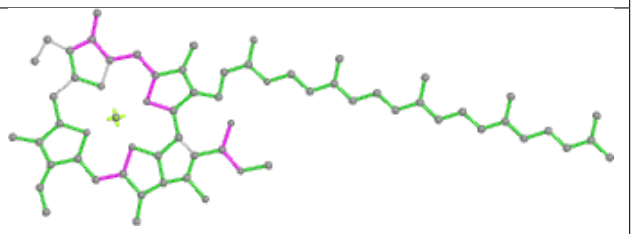


Rings

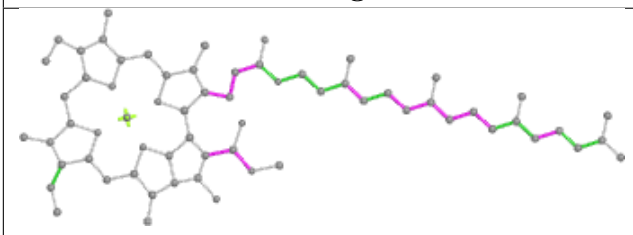
Ligand CLA B 810



Bond lengths



Bond angles



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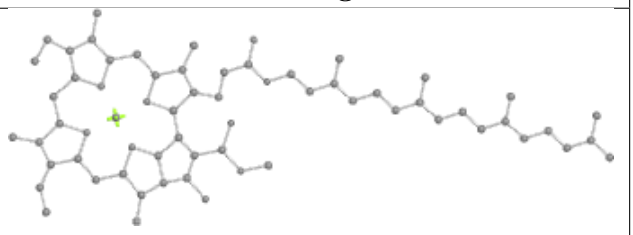
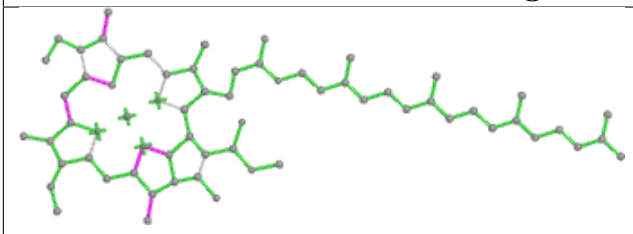
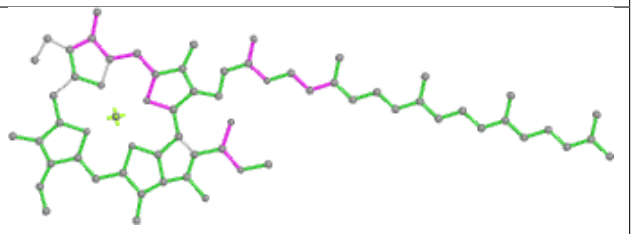


Rings

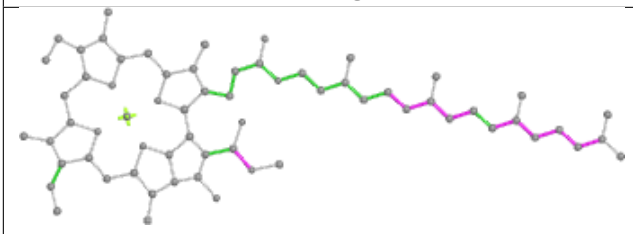
Ligand CLA A 802



Bond lengths



Bond angles



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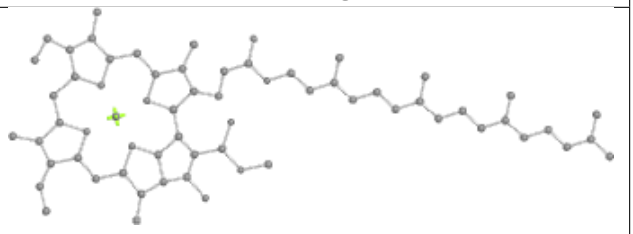
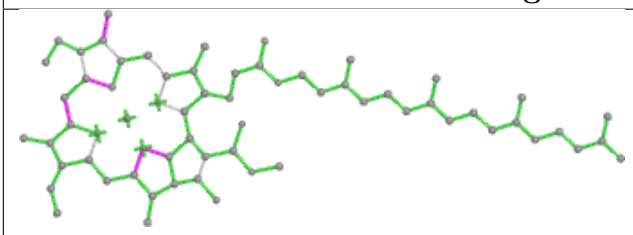


Rings

Ligand CLA N 820



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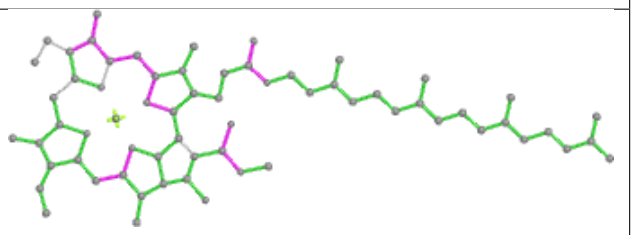
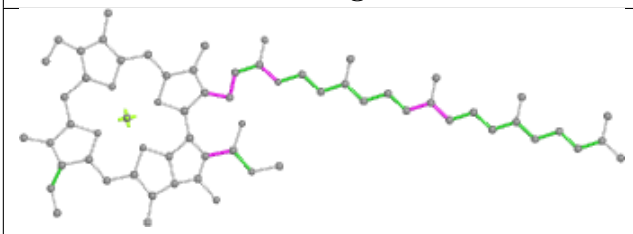


Bond angles



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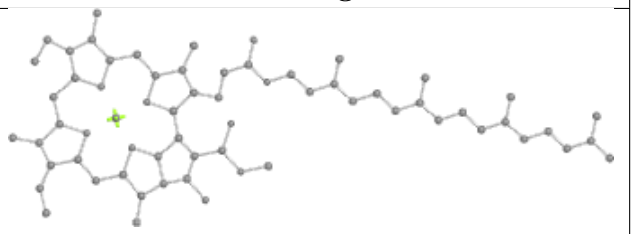
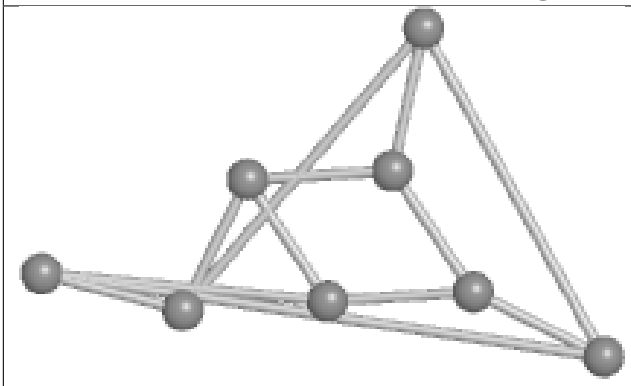


Rings

Ligand SF4 p 101



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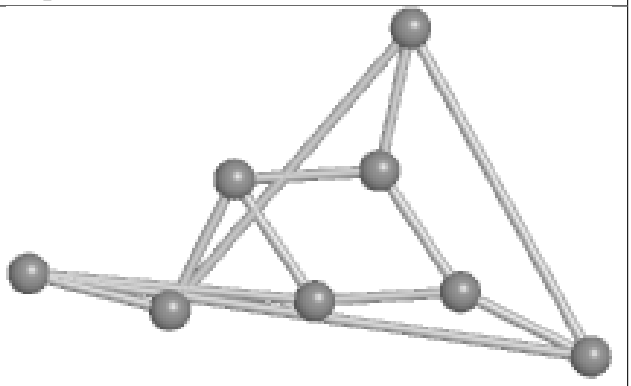
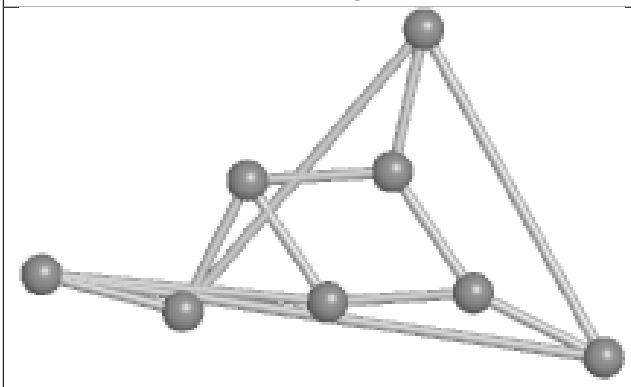
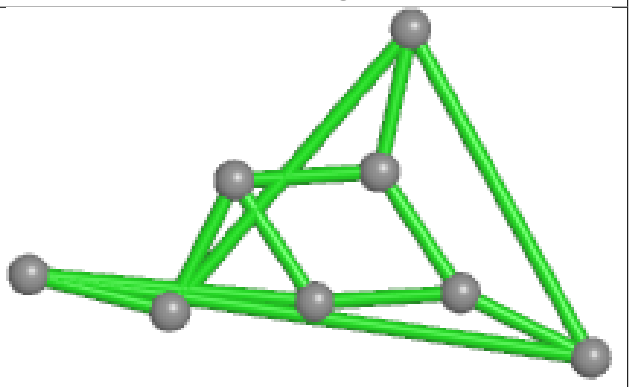


Bond angles

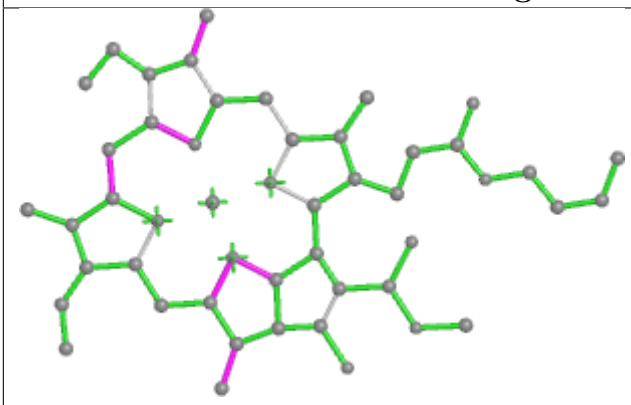


Torsions



Rings

Ligand CLA H 1701



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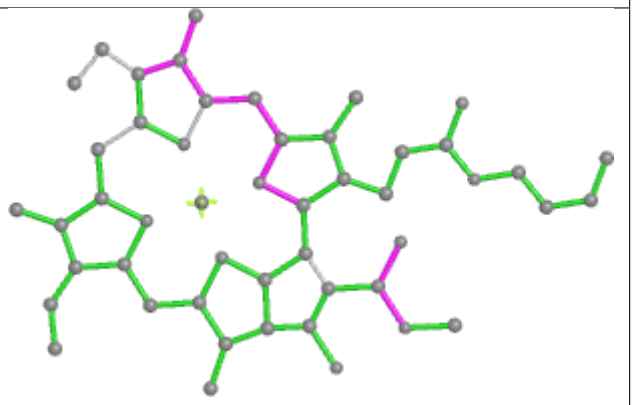
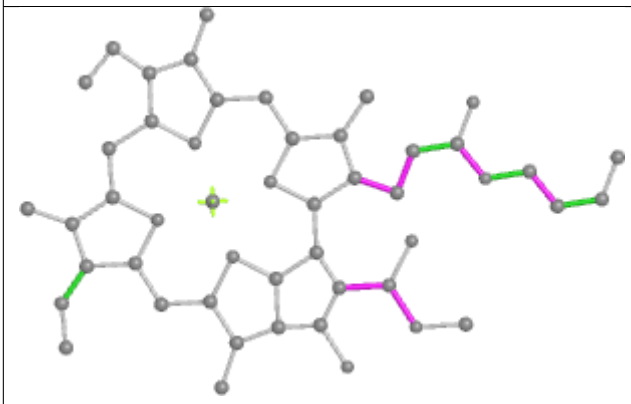


Bond angles



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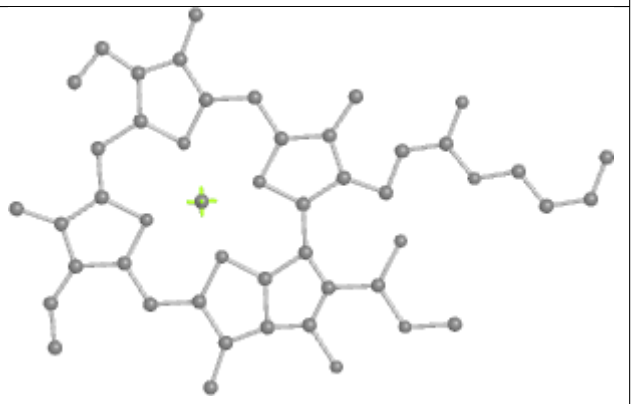
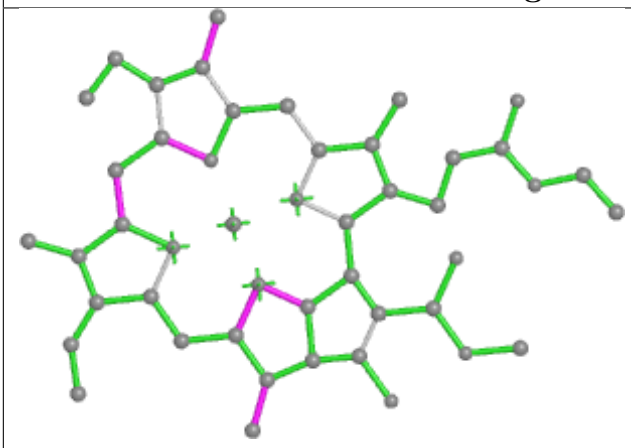


Rings

Ligand CLA B 839



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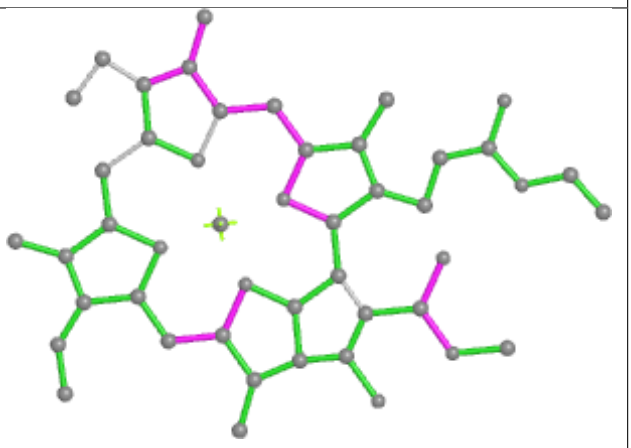
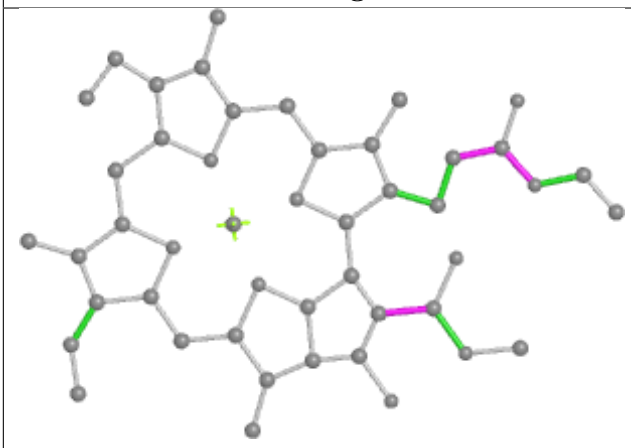
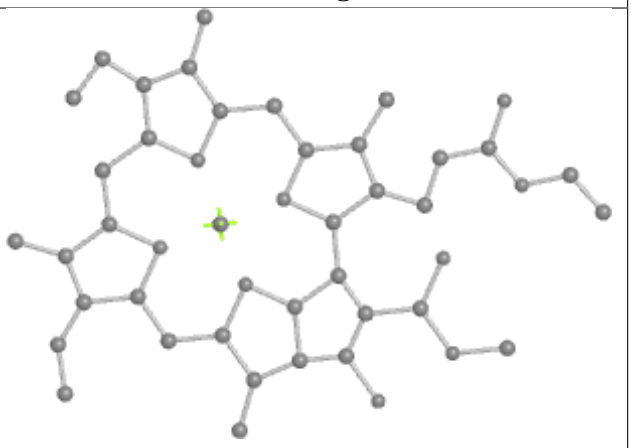


Bond angles

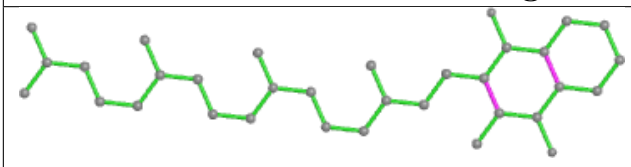


Torsions



Rings

Ligand PQN B 842



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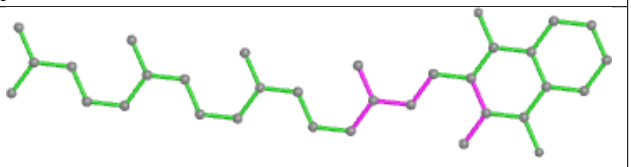
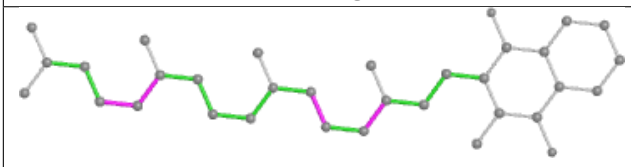
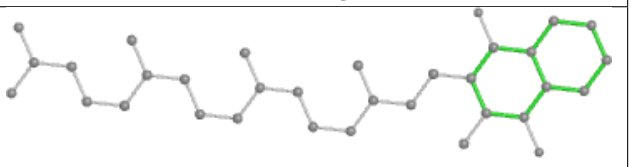


Bond angles

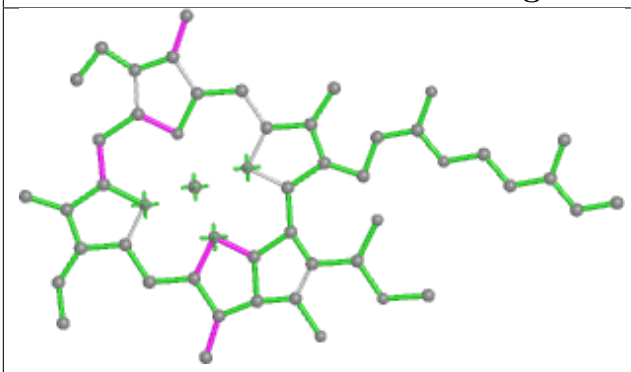


Torsions

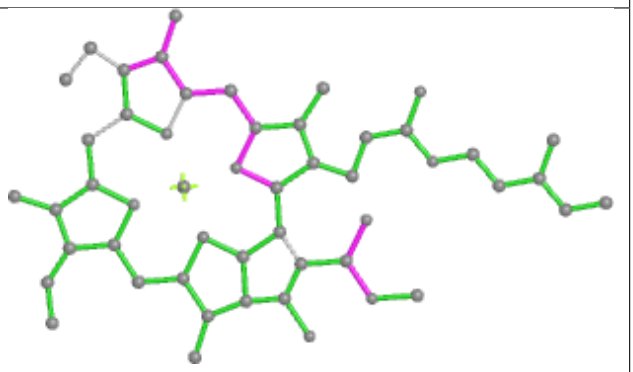


Rings

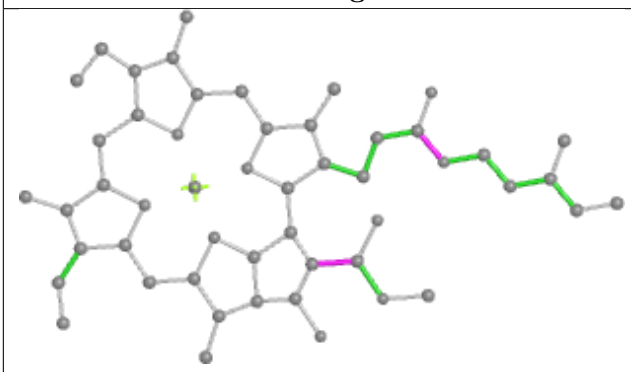
Ligand CLA G 836



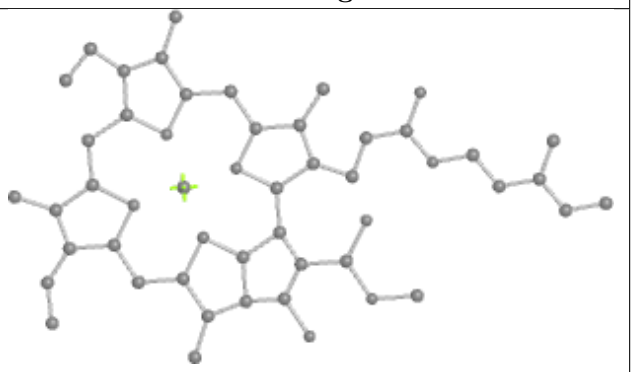
Bond lengths



Bond angles

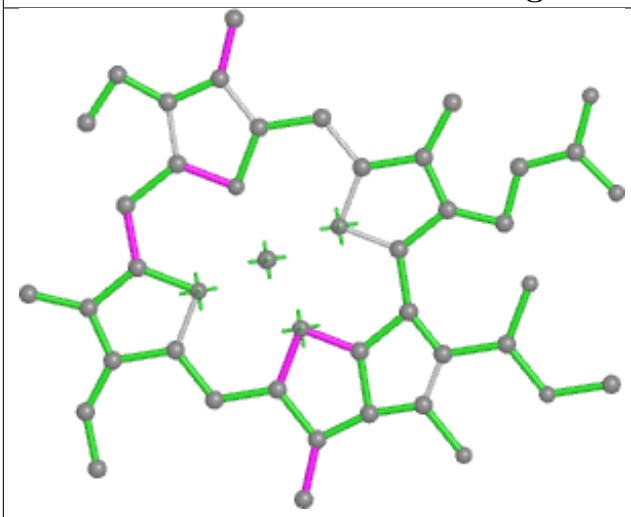


Torsions

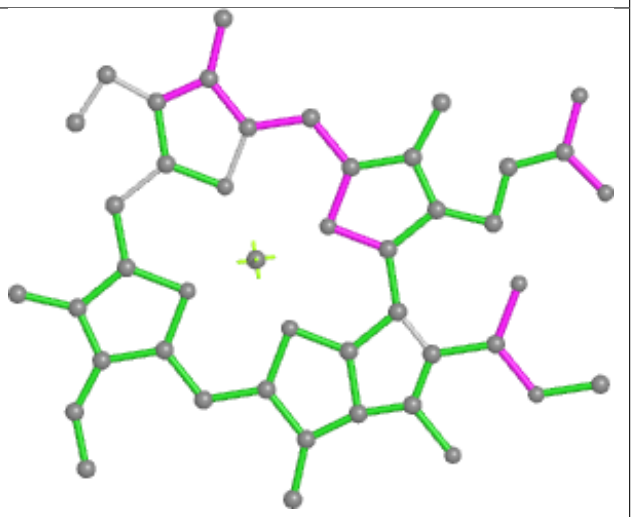


Rings

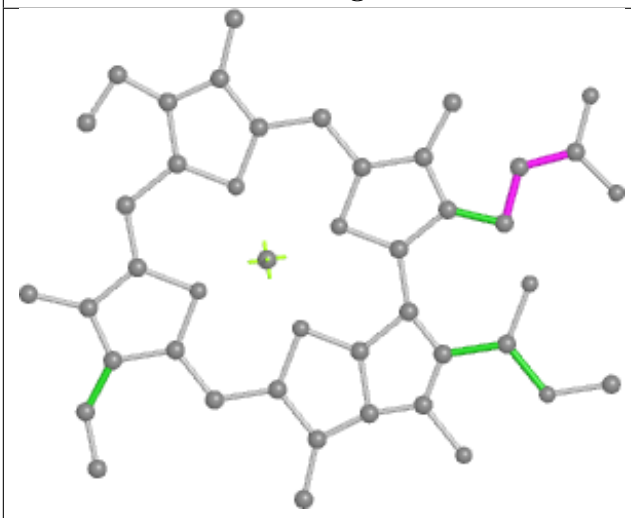
Ligand CLA F 202



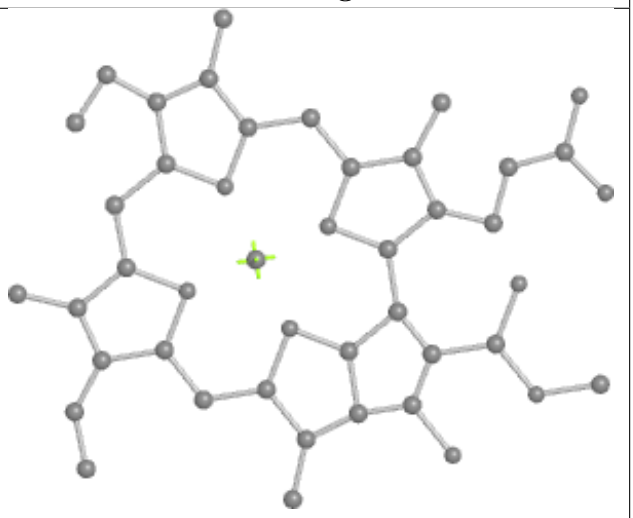
Bond lengths



Bond angles

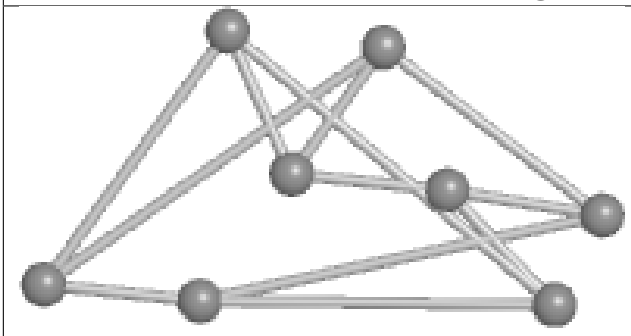


Torsions

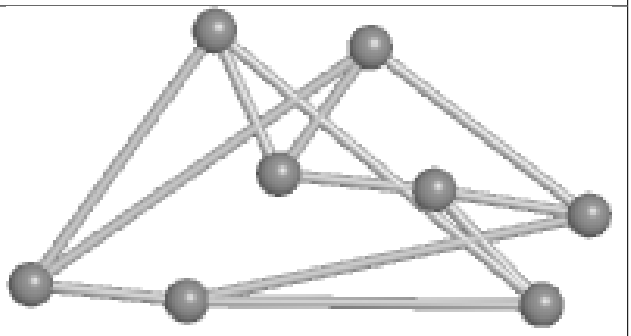


Rings

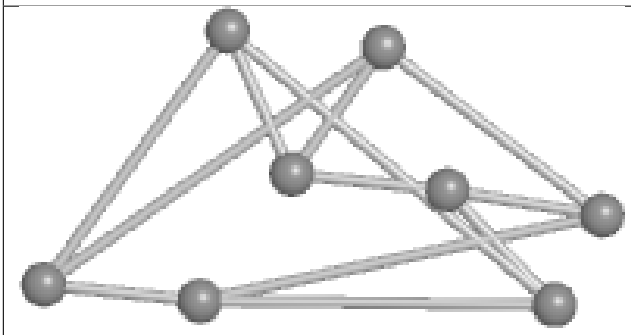
Ligand SF4 P 102



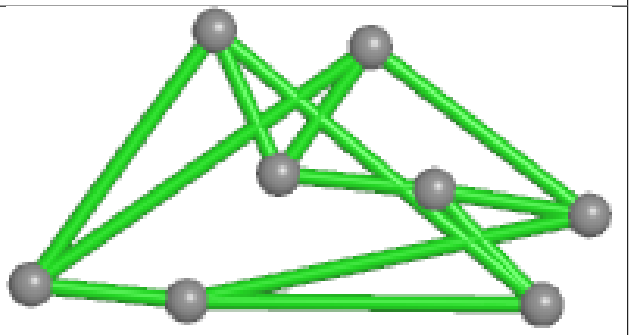
Bond lengths



Bond angles

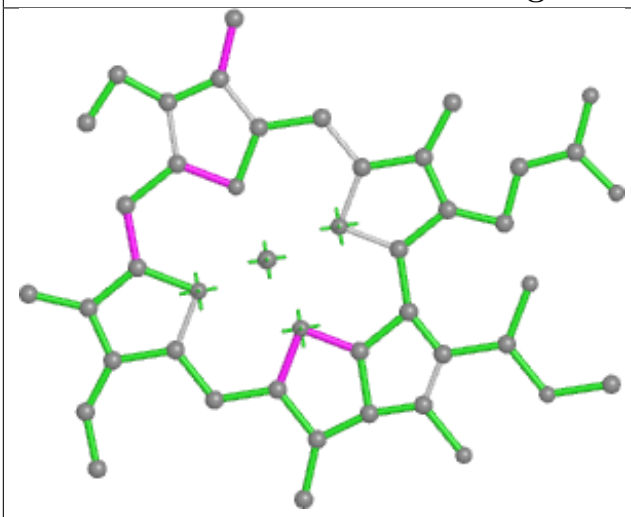


Torsions



Rings

Ligand CLA b 836



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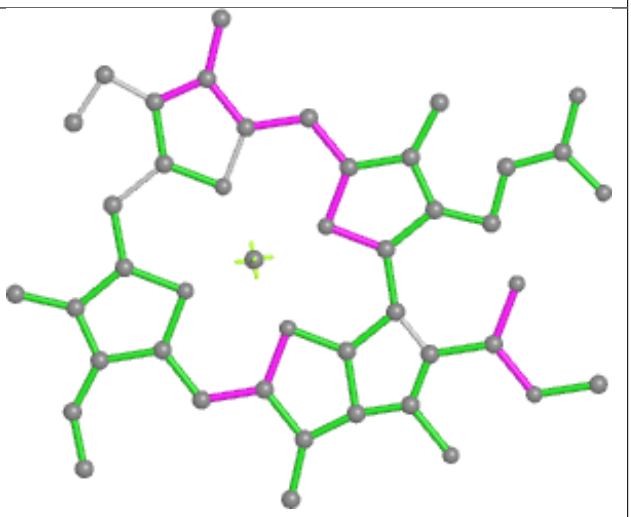
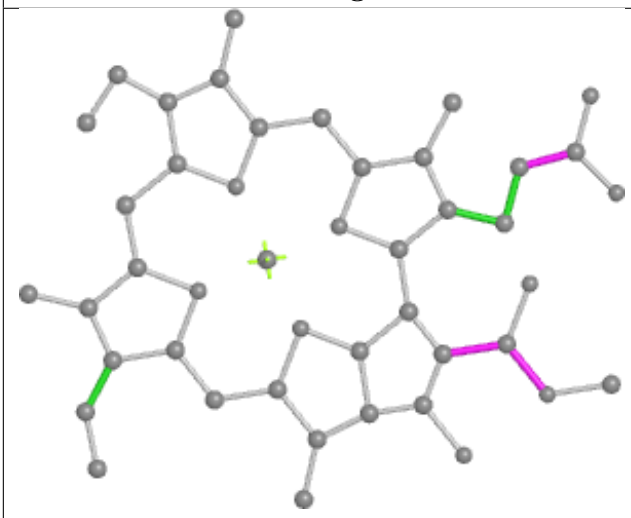
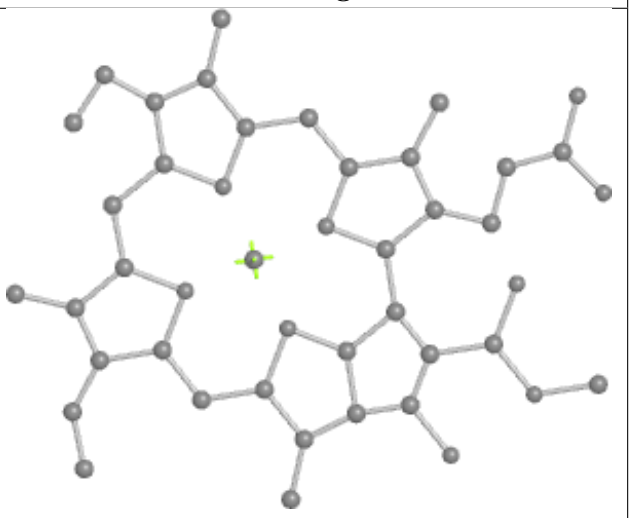


Bond angles

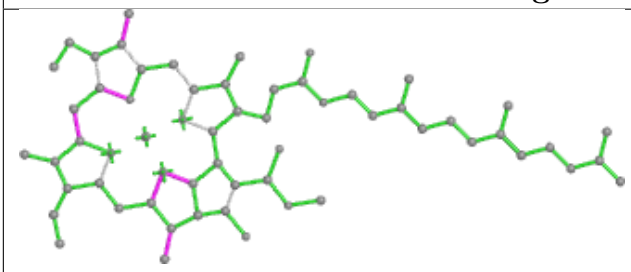


Torsions



Rings

Ligand CLA l 203



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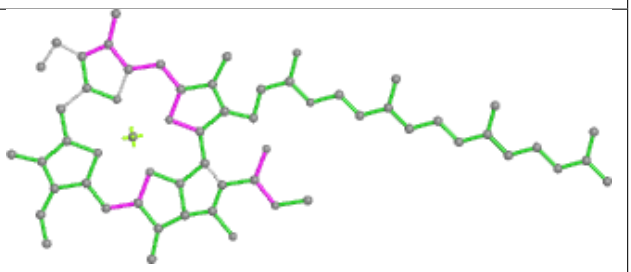
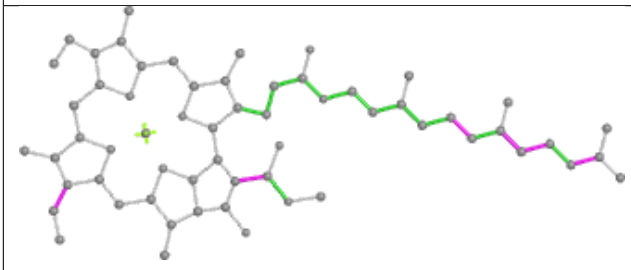


Bond angles



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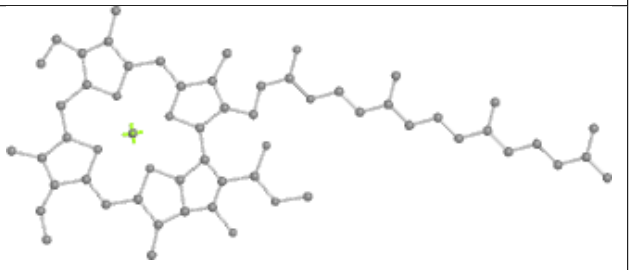
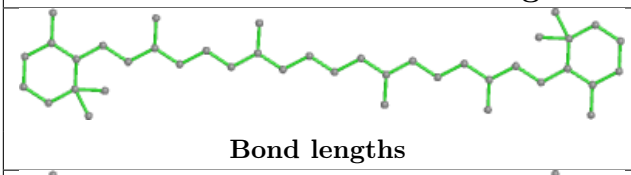


Rings

Ligand BCR A 844



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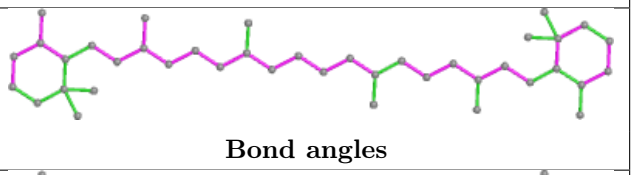
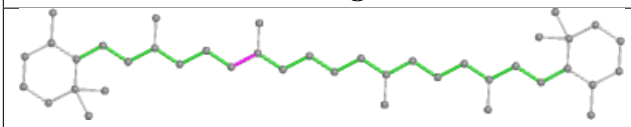


Bond angles



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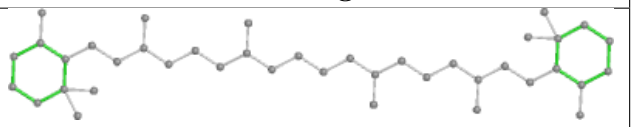
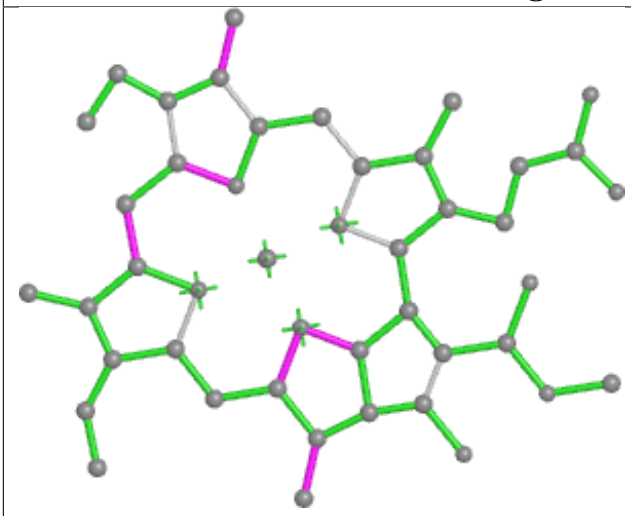


Rings

Ligand CLA b 817



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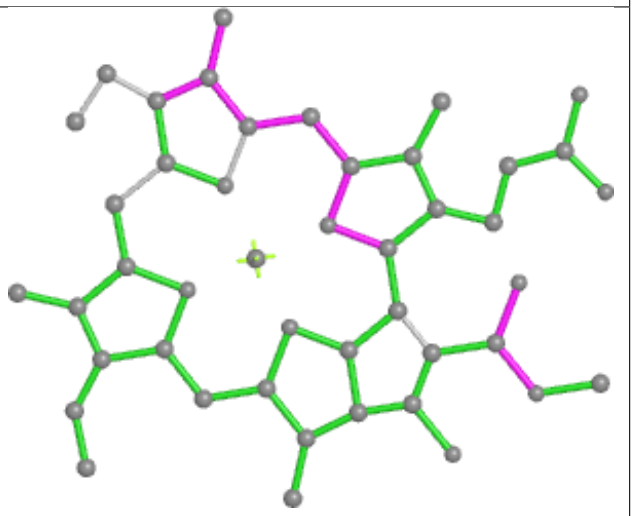
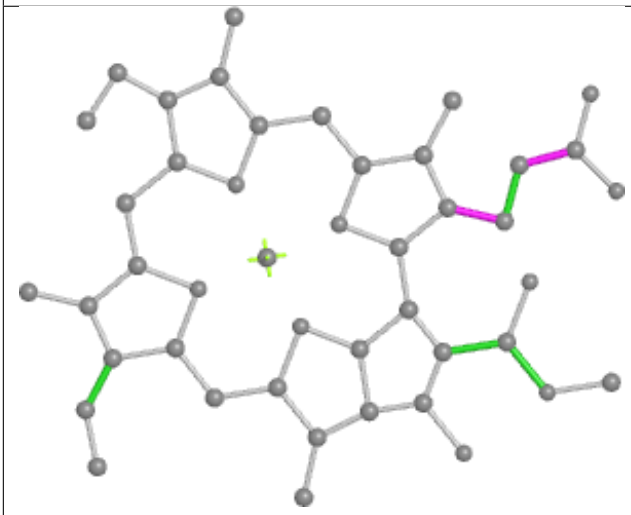


Bond angles



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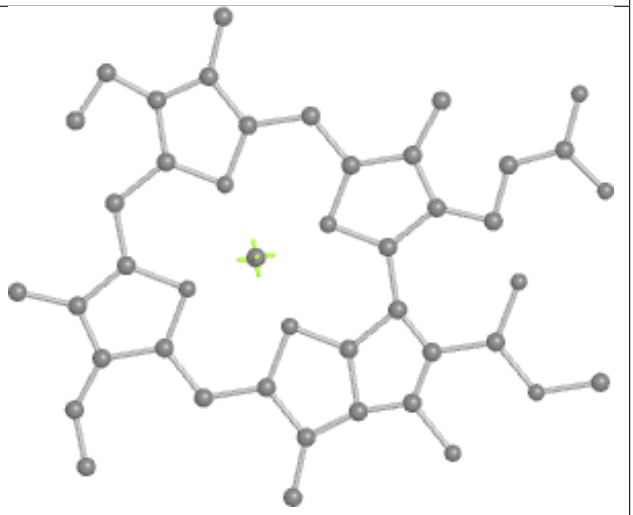
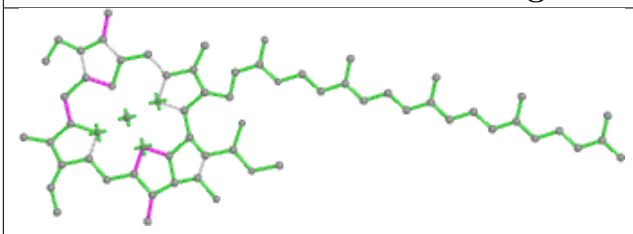


Rings

Ligand CLA b 838



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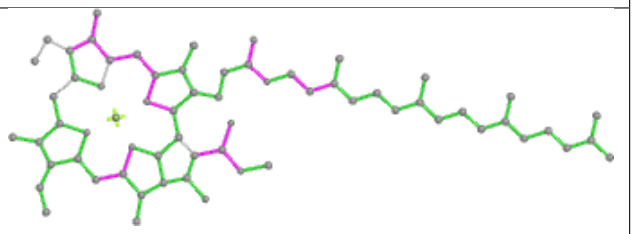

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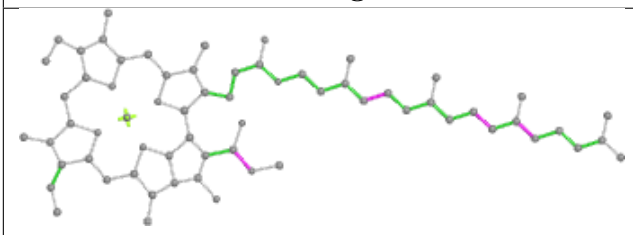

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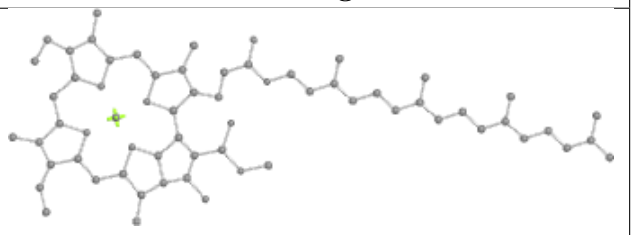
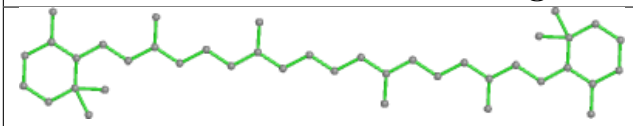


Rings

Ligand BCR t 104



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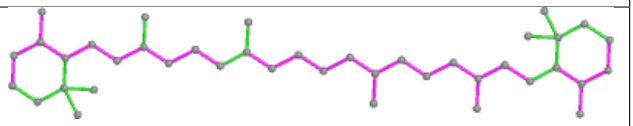

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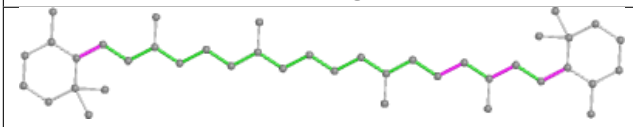
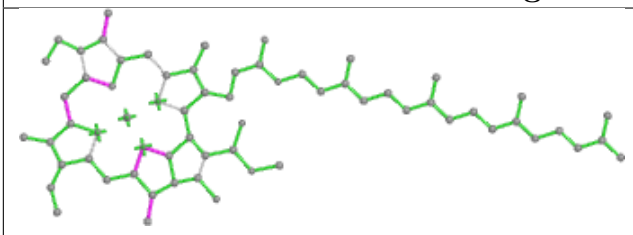


Torsions

Rings

Ligand CLA A 833



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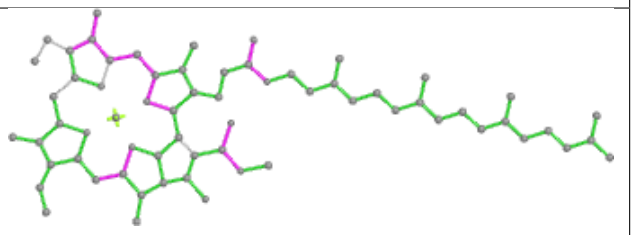
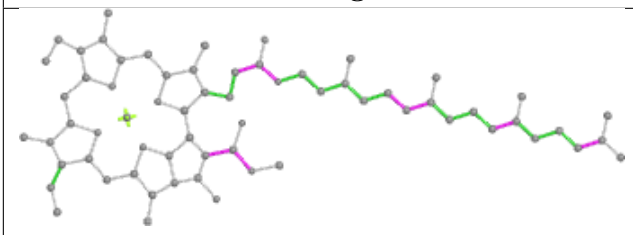
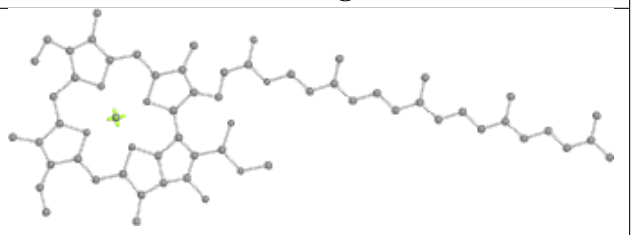


Bond angles

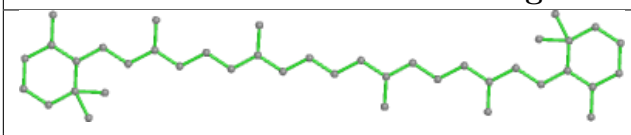


Torsions



Rings

Ligand BCR b 847



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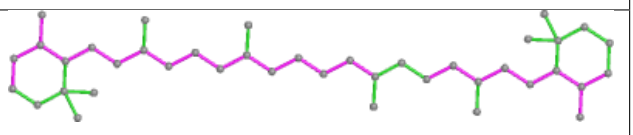
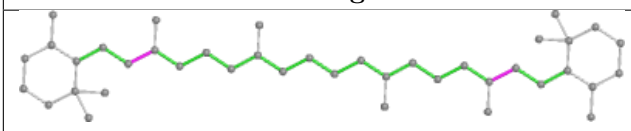


Bond angles



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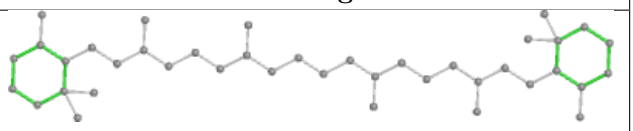
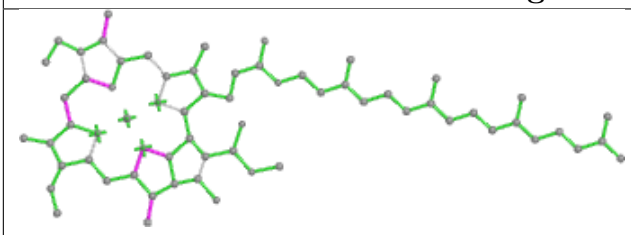


Rings

Ligand CLA n 825



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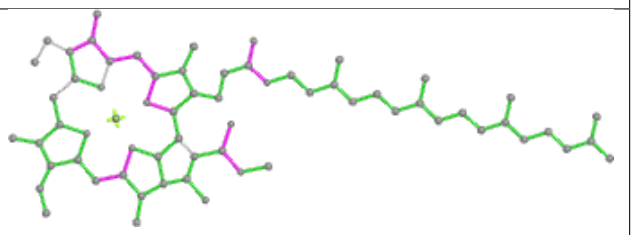
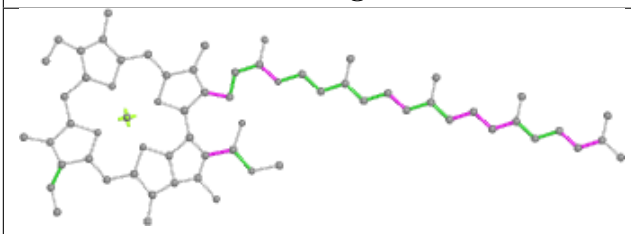


Bond angles



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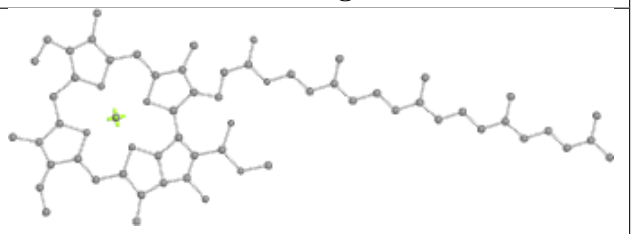
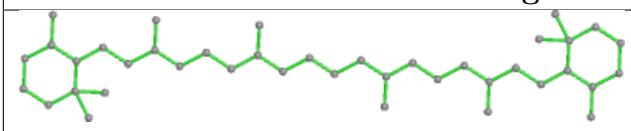


Rings

Ligand BCR A 846



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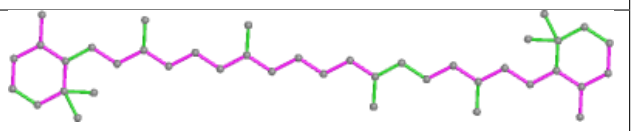
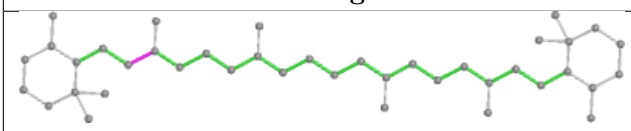


Bond angles



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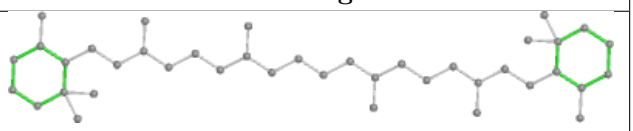
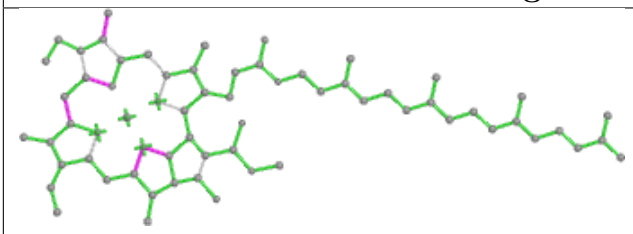


Rings

Ligand CLA N 829



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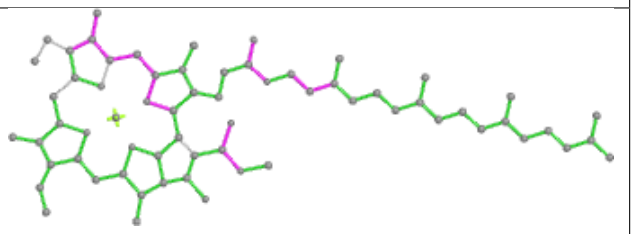
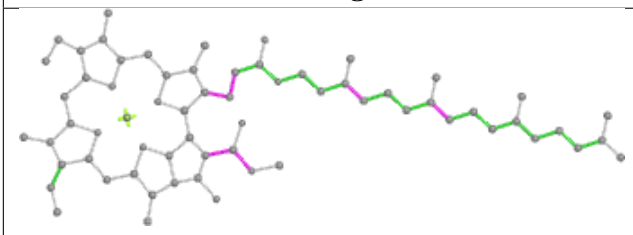
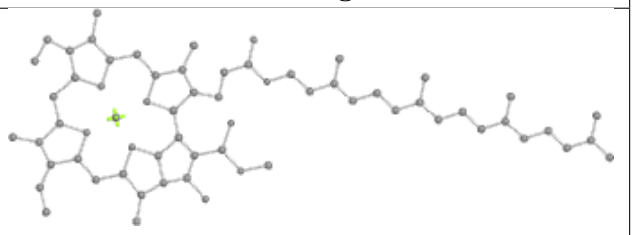


Bond angles

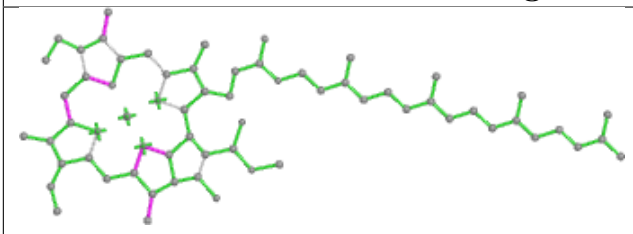


Torsions



Rings

Ligand CLA N 827



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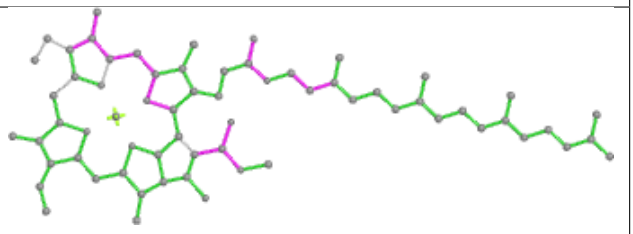
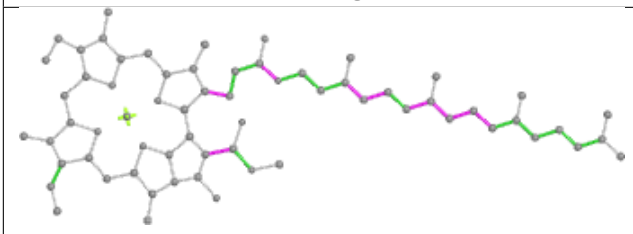
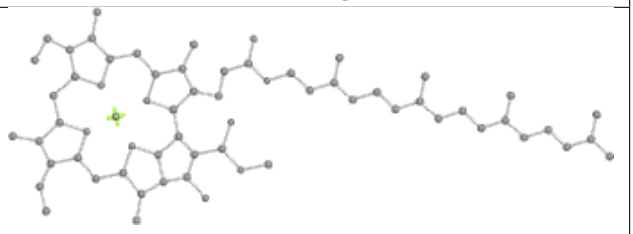


Bond angles

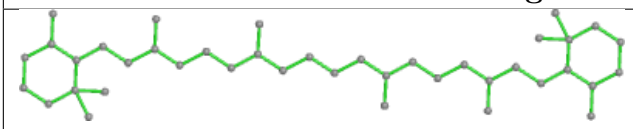


Torsions



Rings

Ligand BCR b 848



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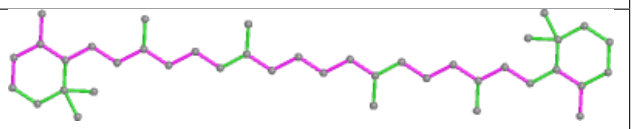
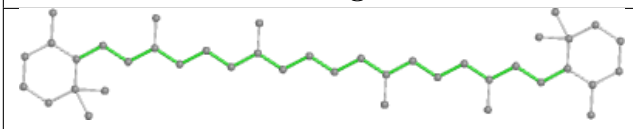


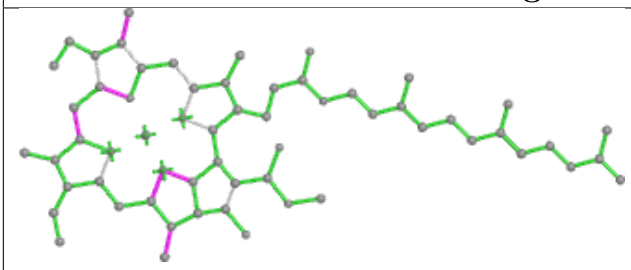
Bond angles



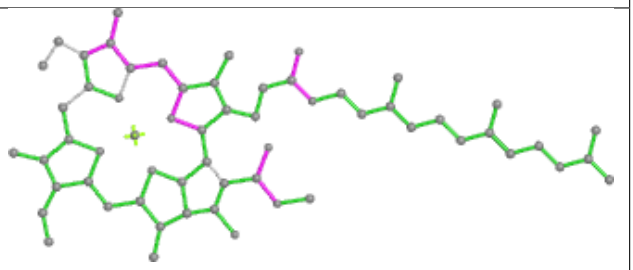
Torsions

Rings

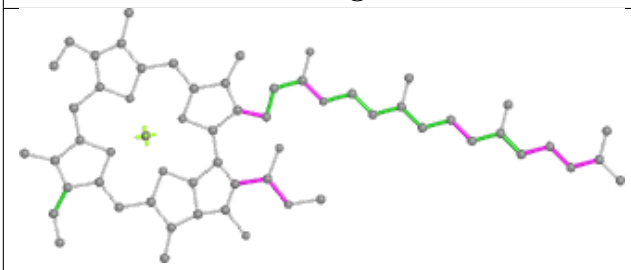
Ligand CLA N 838



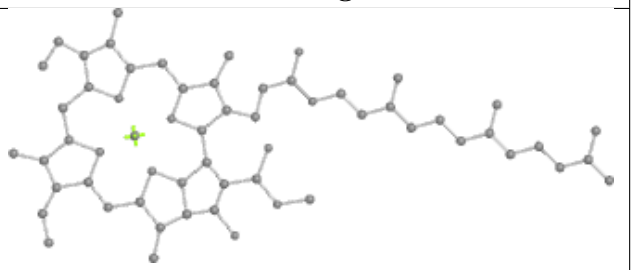
Bond lengths



Bond angles

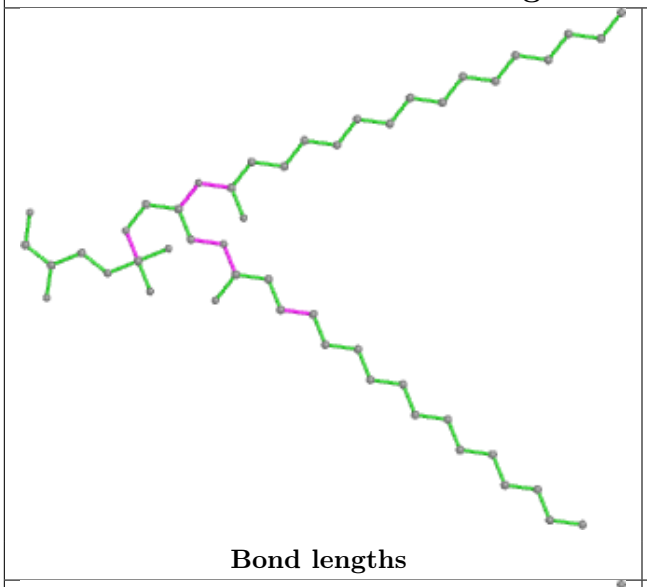


Torsions

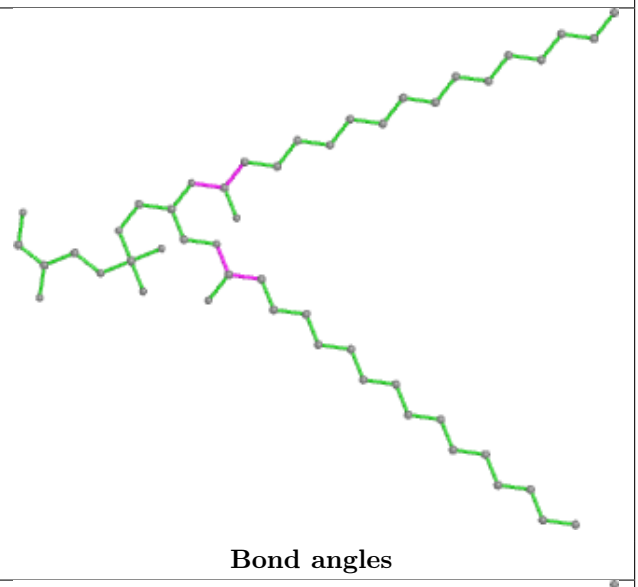


Rings

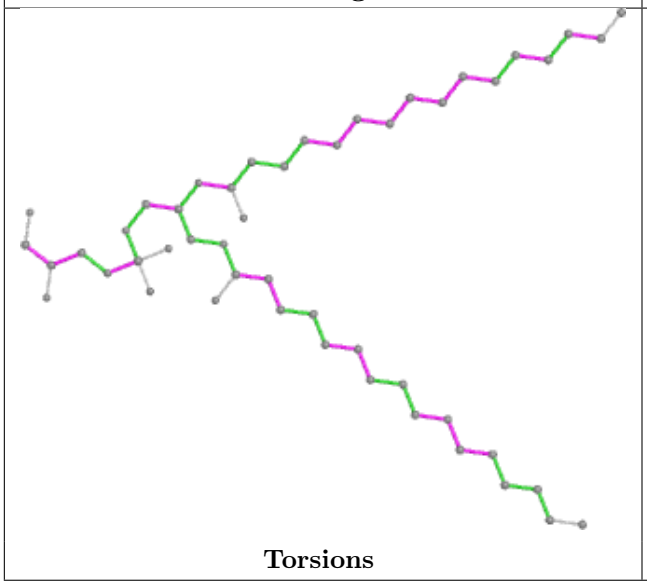
Ligand LHG A 851



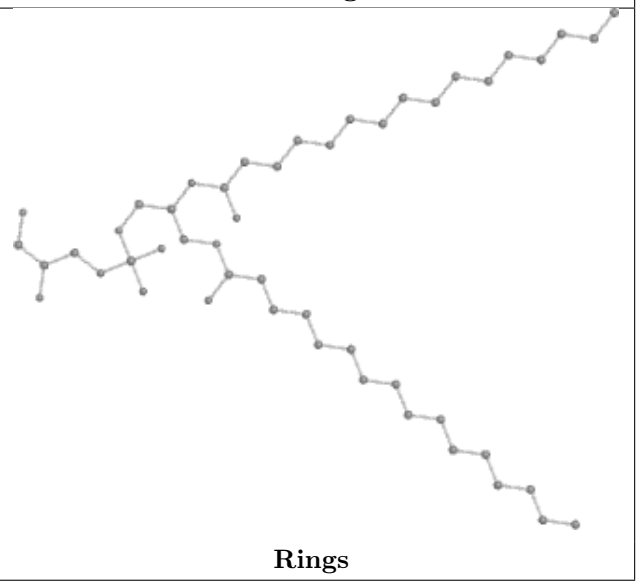
Bond lengths



Bond angles

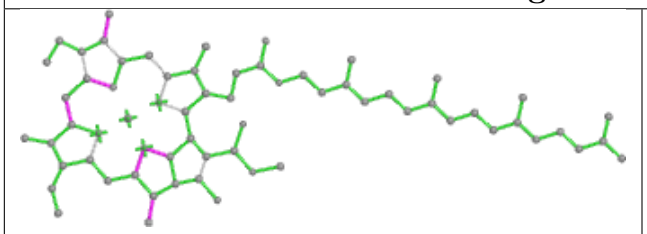


Torsions

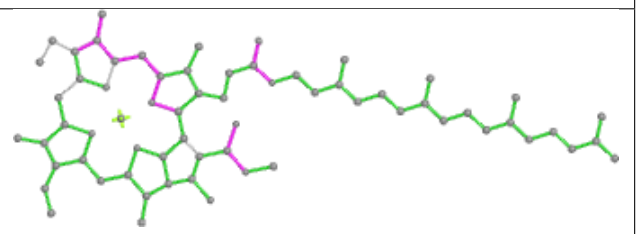


Rings

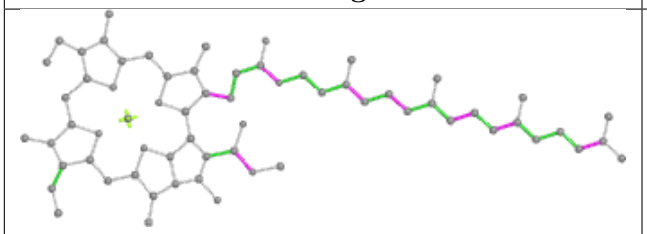
Ligand CLA n 840



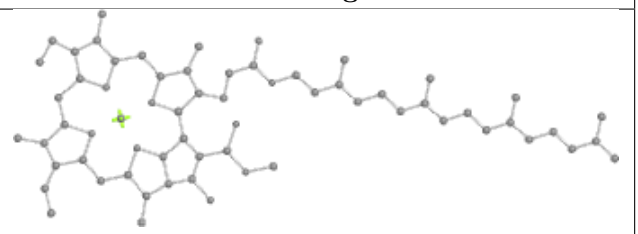
Bond lengths



Bond angles

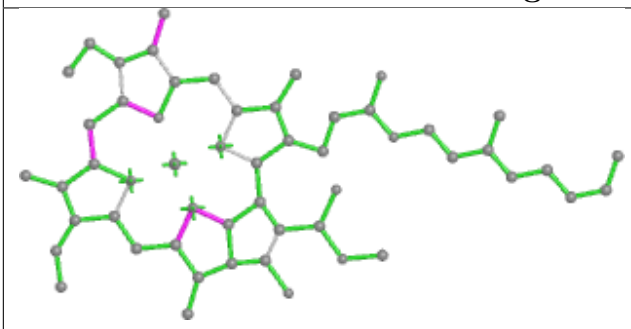


Torsions



Rings

Ligand CLA A 803



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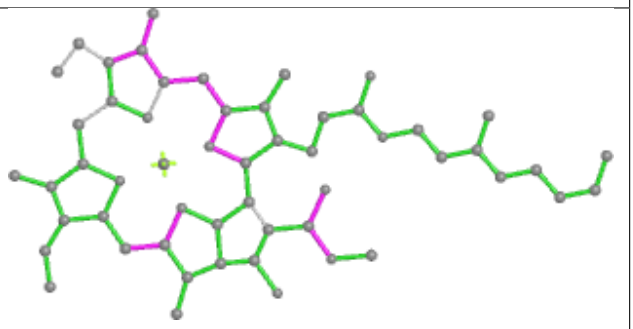
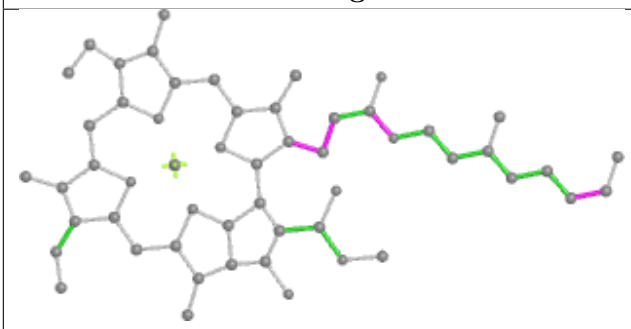


Bond angles



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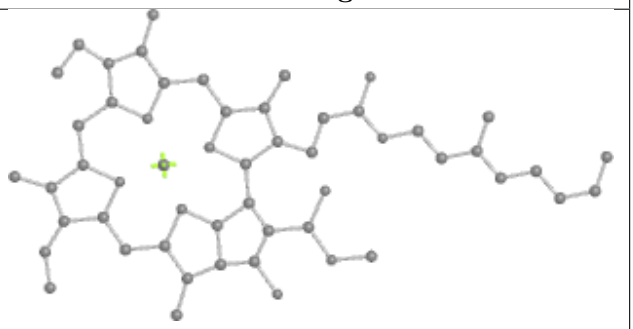
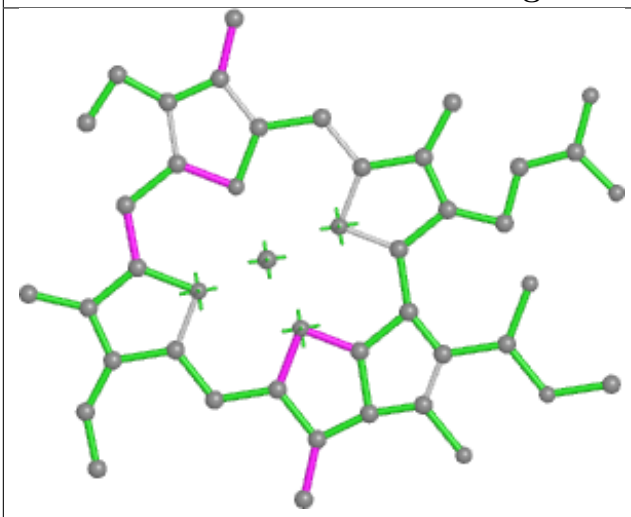


Rings

Ligand CLA G 821



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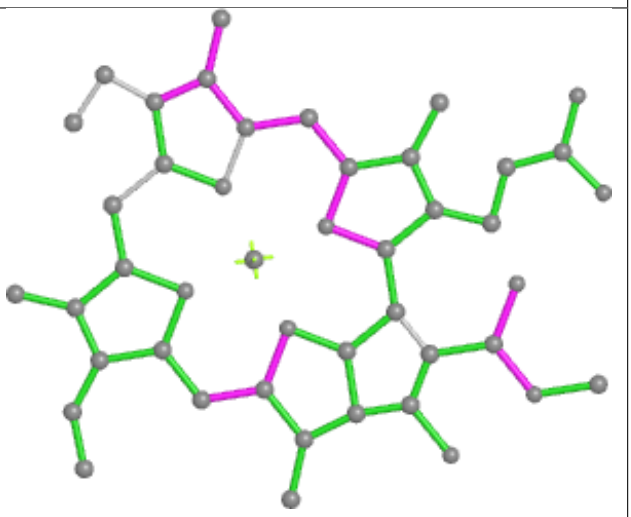
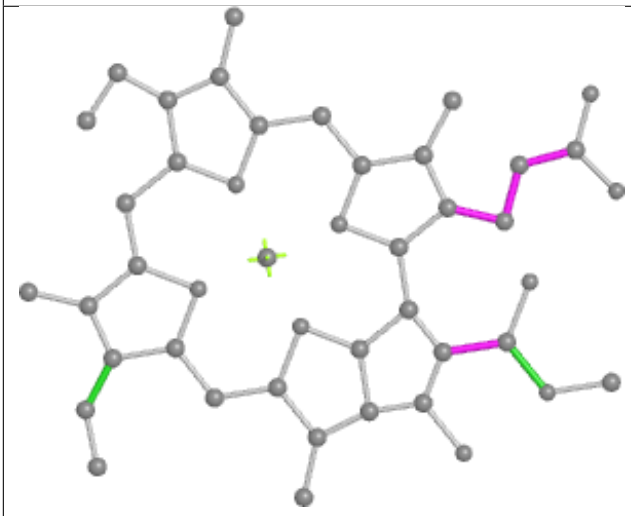
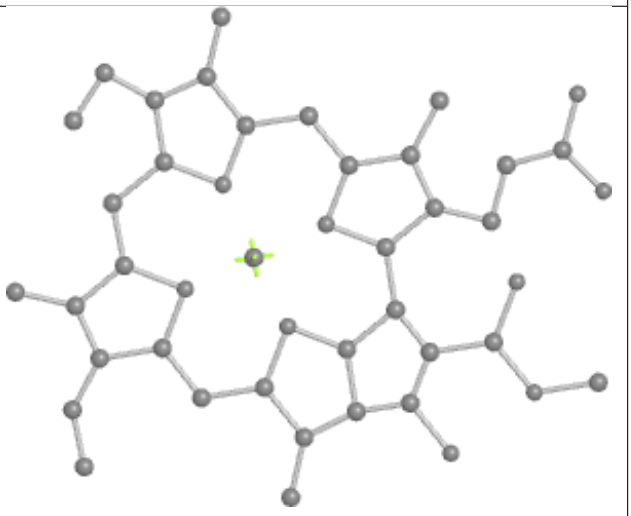


Bond angles

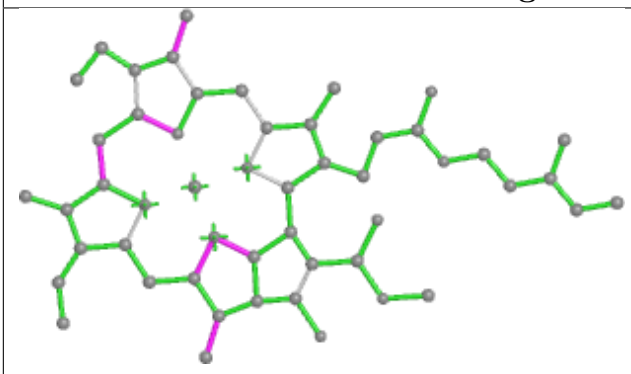


Torsions



Rings

Ligand CLA W 202



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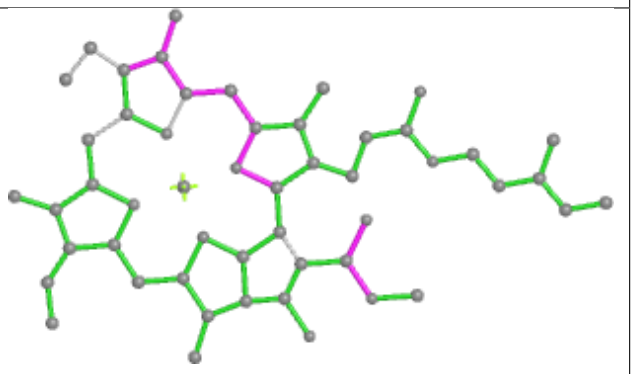
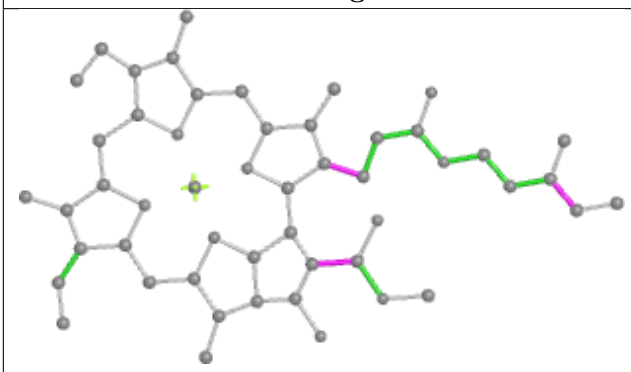


Bond angles



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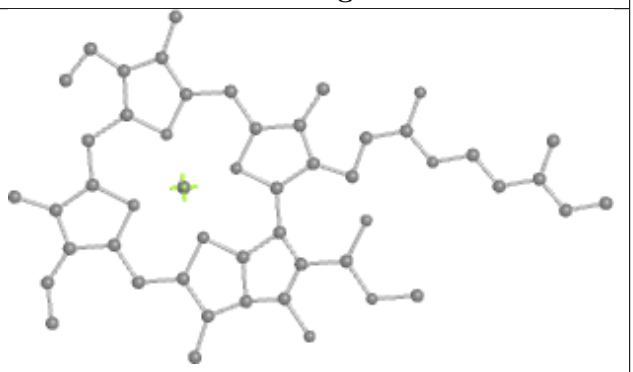
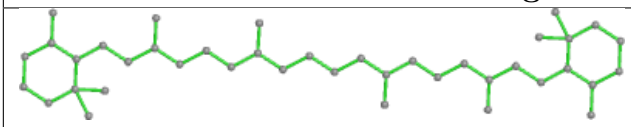
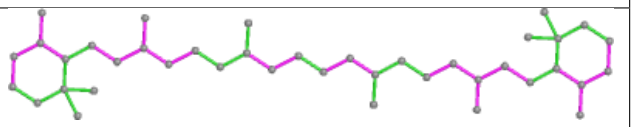


Rings

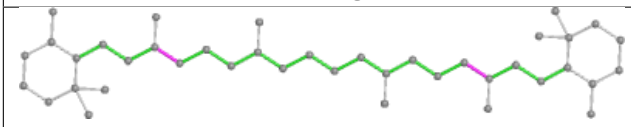
Ligand BCR B 845



Bond lengths



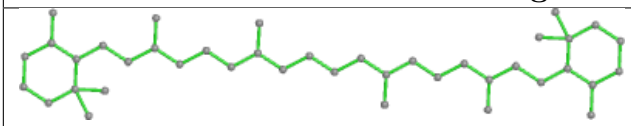
Bond angles



Torsions

Rings

Ligand BCR i 101



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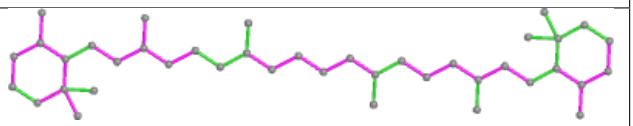
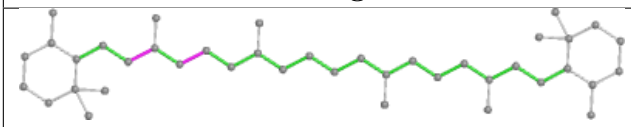


Bond angles



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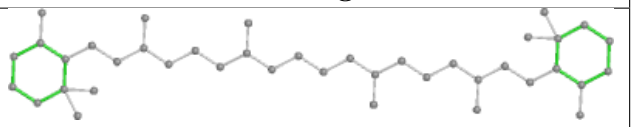
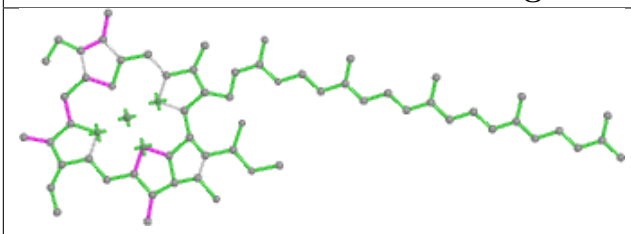


Rings

Ligand CLA B 841



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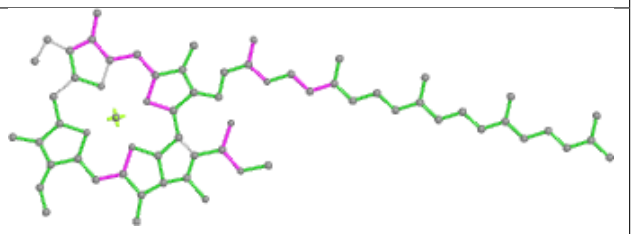
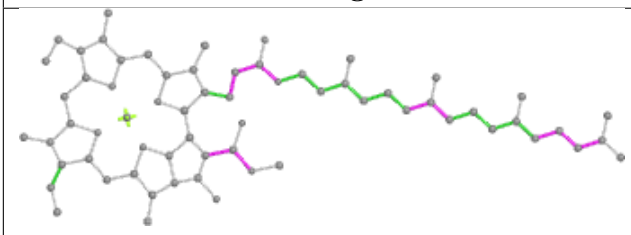
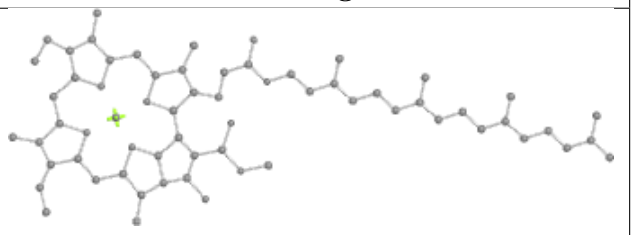


Bond angles

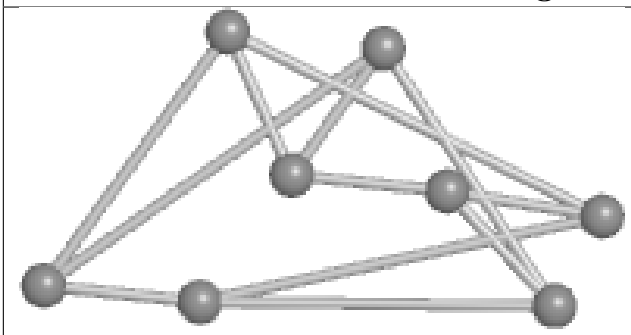


Torsions

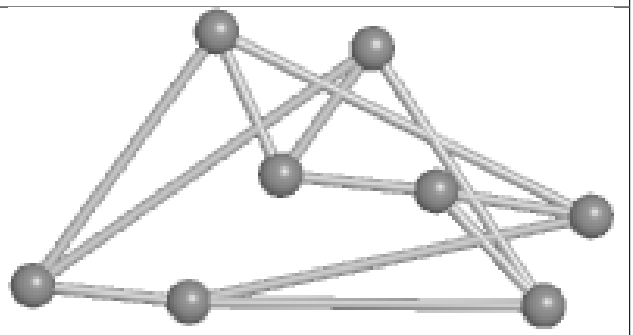


Rings

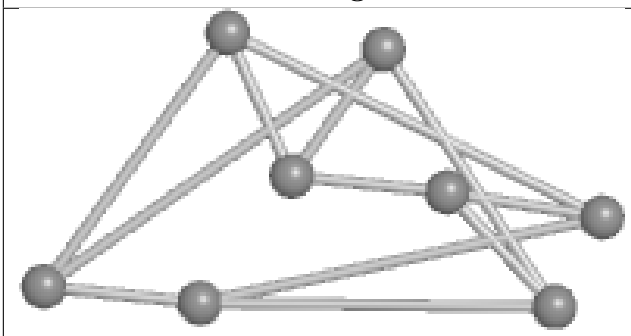
Ligand SF4 a 842



Bond lengths



Bond angles



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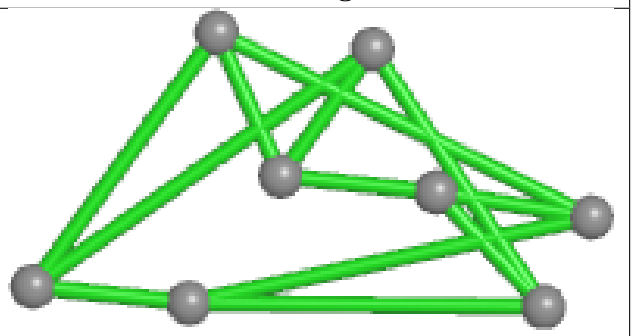
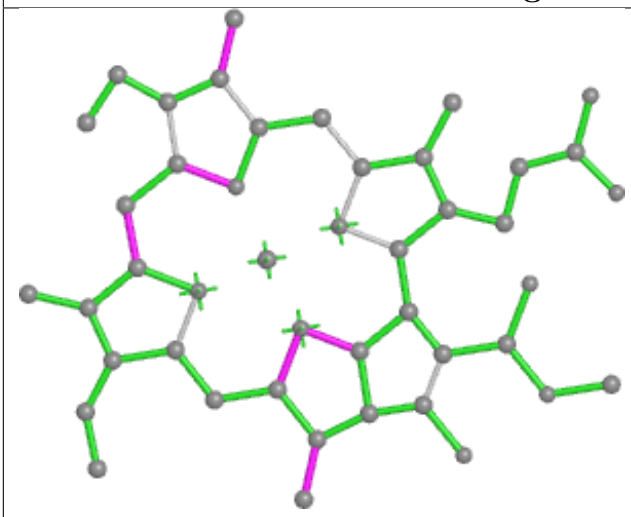


Rings

Ligand CLA A 835



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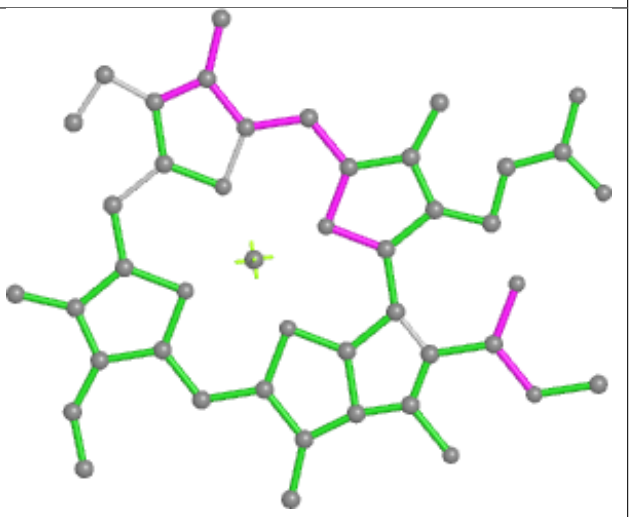
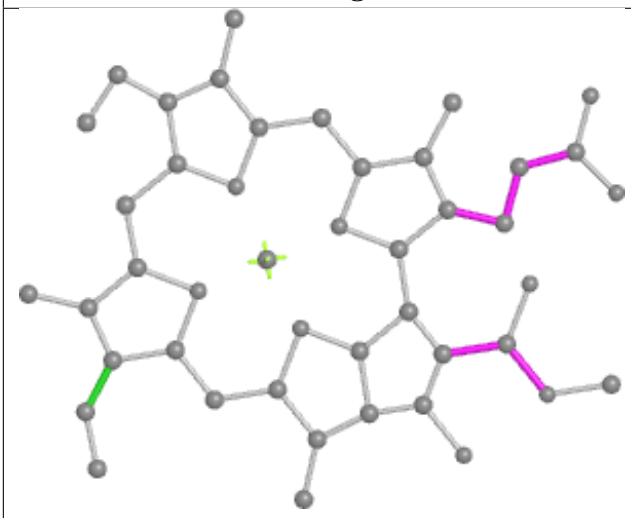


Bond angles



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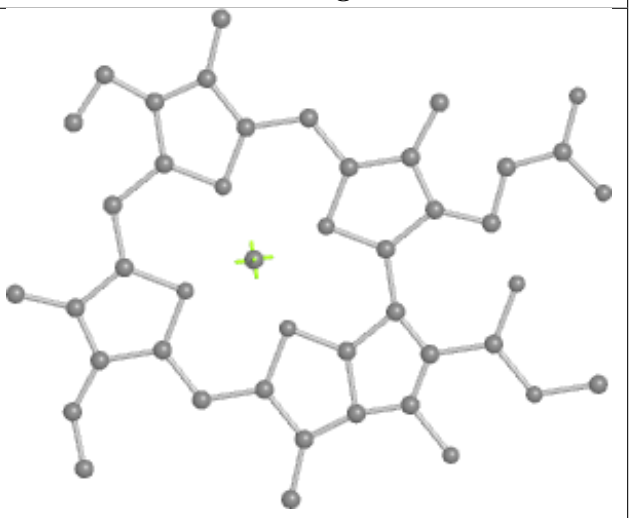
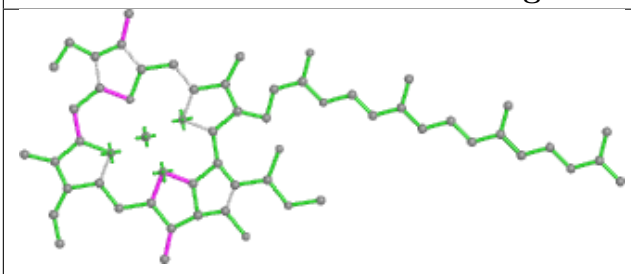


Rings

Ligand CLA N 812



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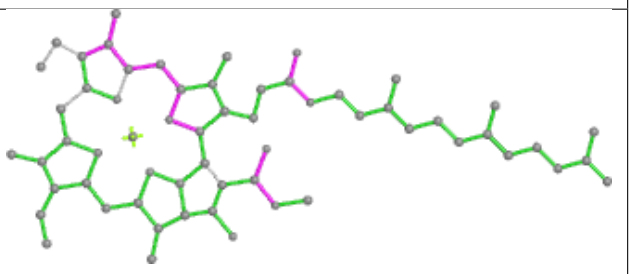
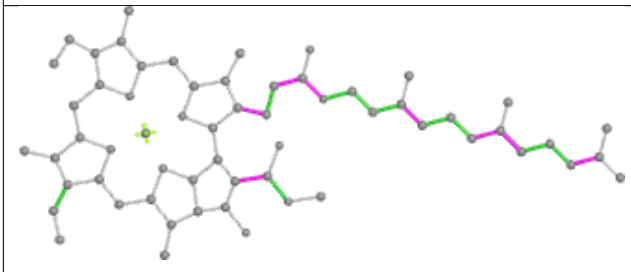
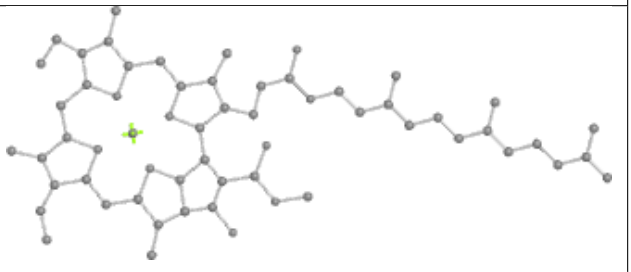


Bond angles

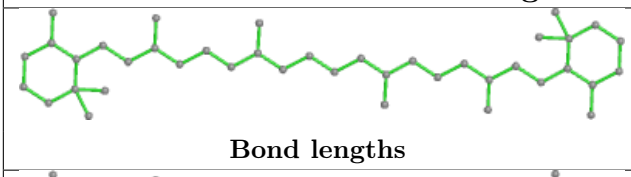


Torsions

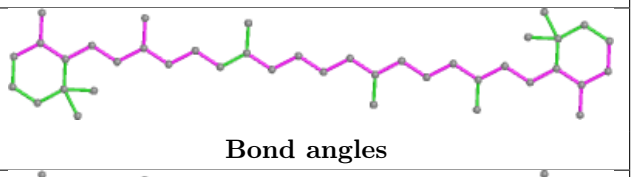


Rings

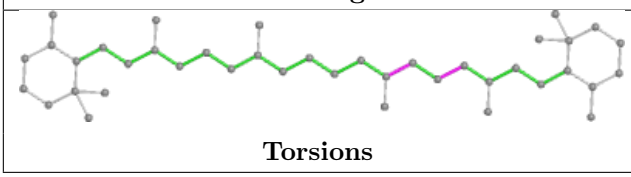
Ligand BCR N 852



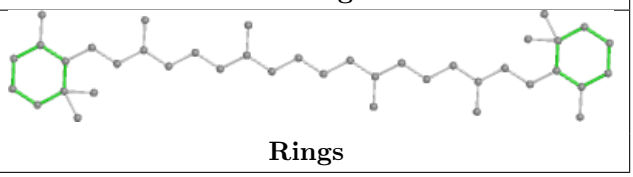
Bond lengths



Bond angles

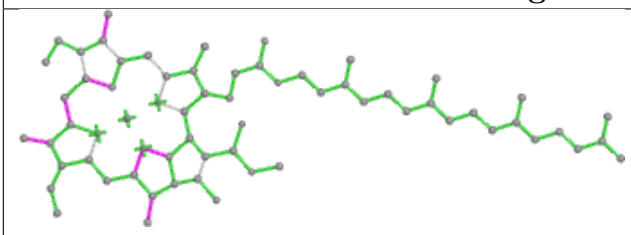


Torsions

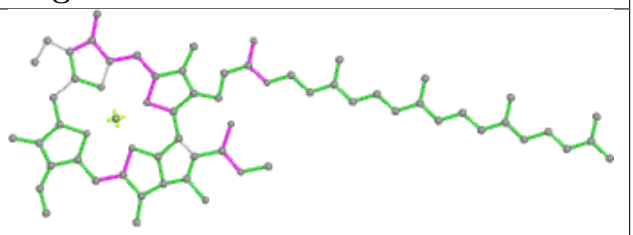


Rings

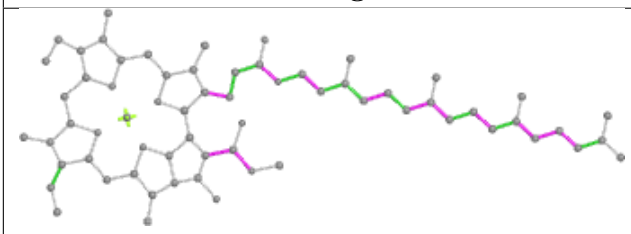
Ligand CLA g 803



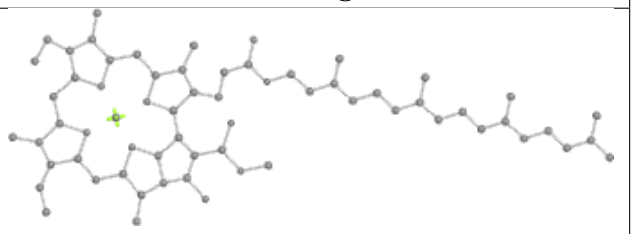
Bond lengths



Bond angles

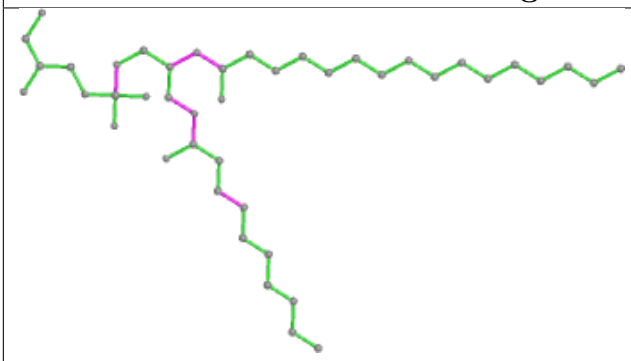


Torsions

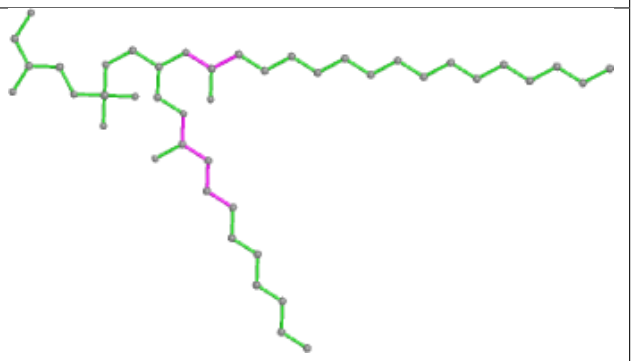


Rings

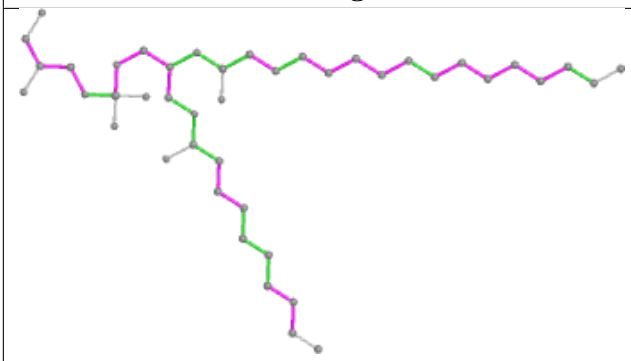
Ligand LHG m 101



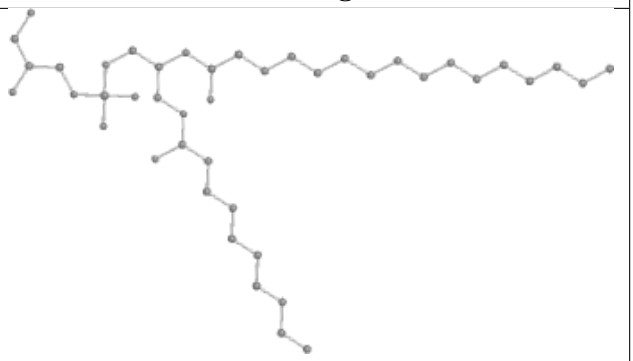
Bond lengths



Bond angles

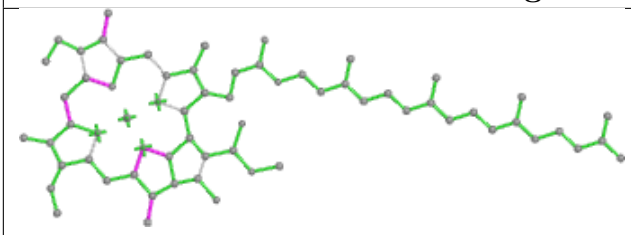


Torsions

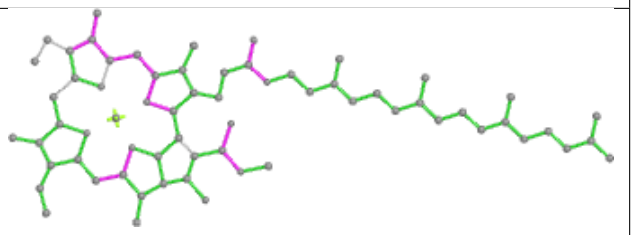


Rings

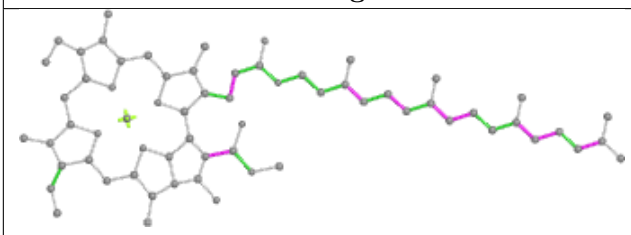
Ligand CLA B 808



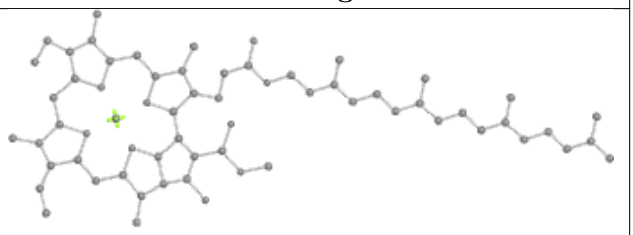
Bond lengths



Bond angles

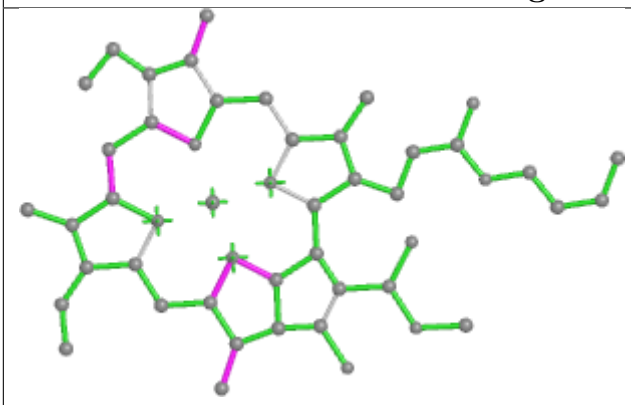


Torsions

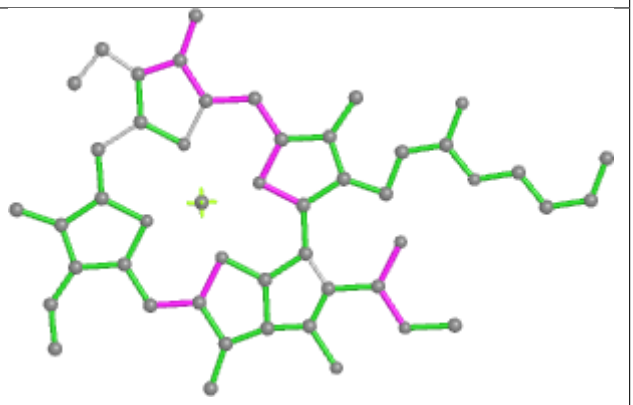


Rings

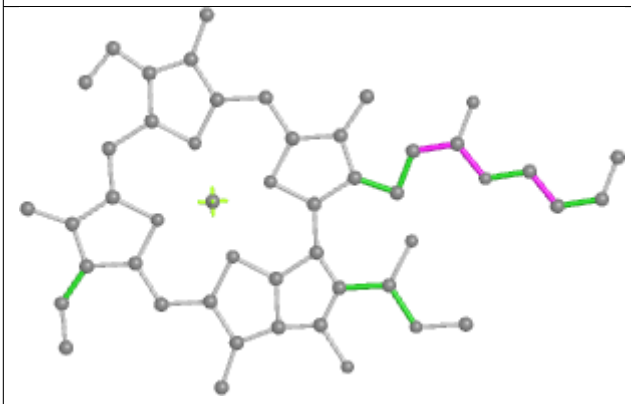
Ligand CLA a 854



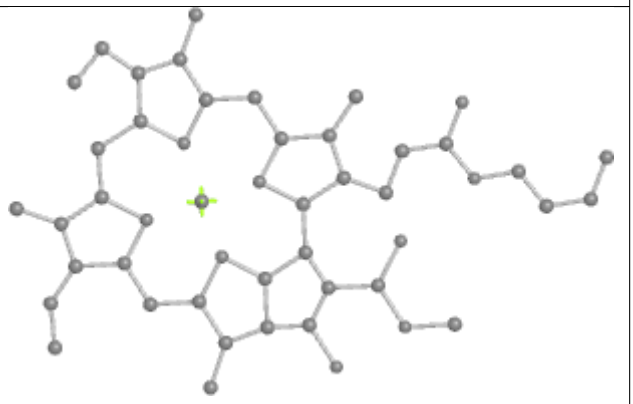
Bond lengths



Bond angles

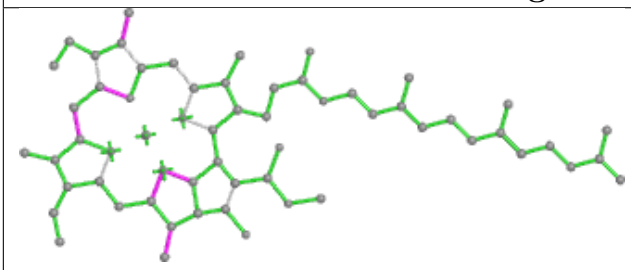


Torsions

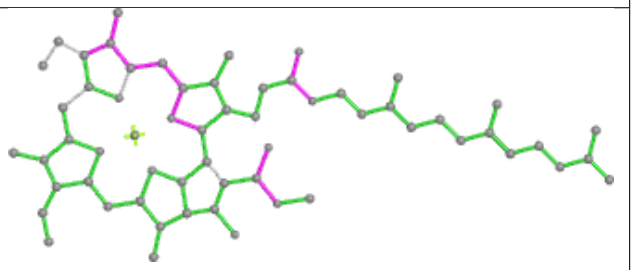


Rings

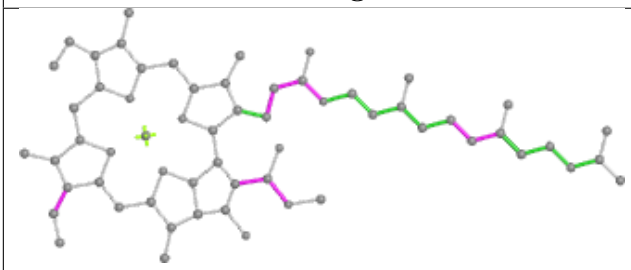
Ligand CLA a 811



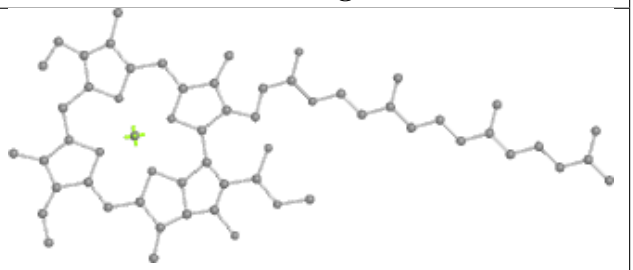
Bond lengths



Bond angles

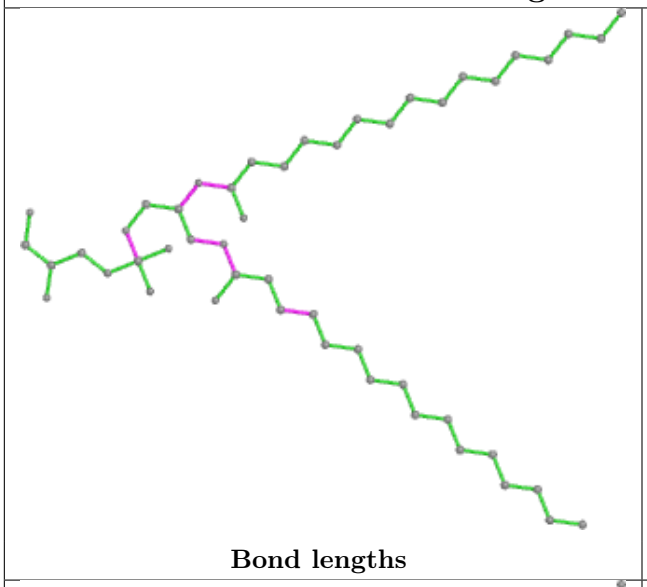


Torsions



Rings

Ligand LHG a 849



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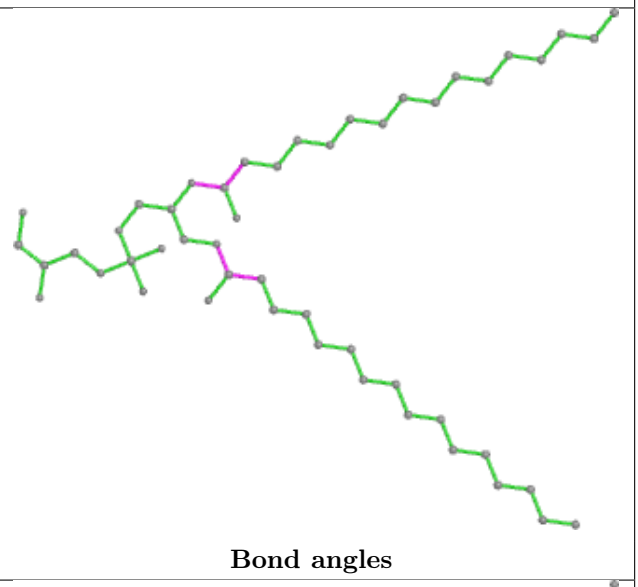
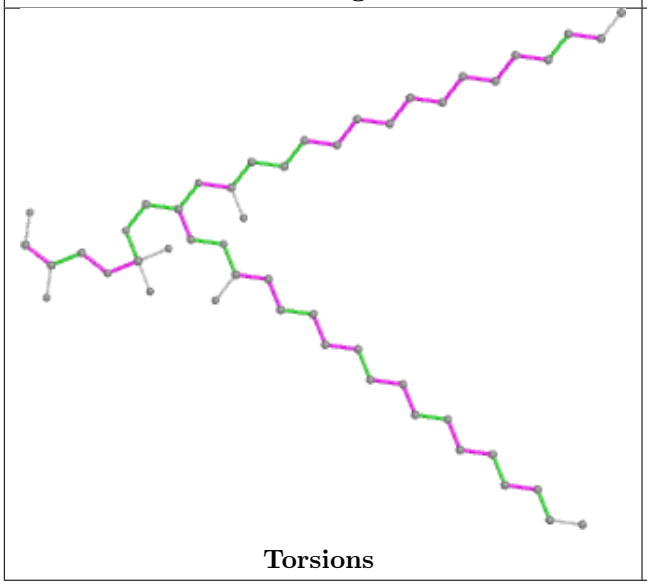


Bond angles



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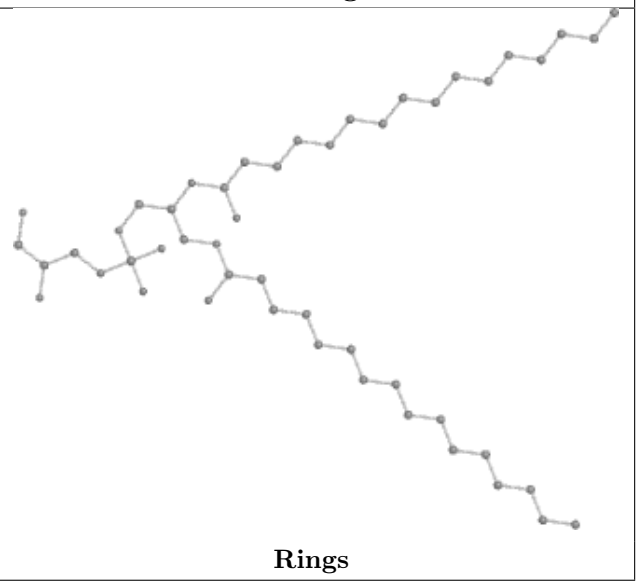
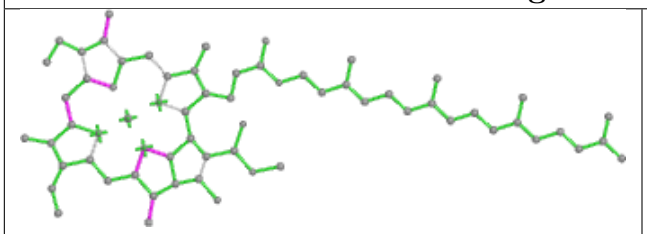


Rings

Ligand CLA n 837



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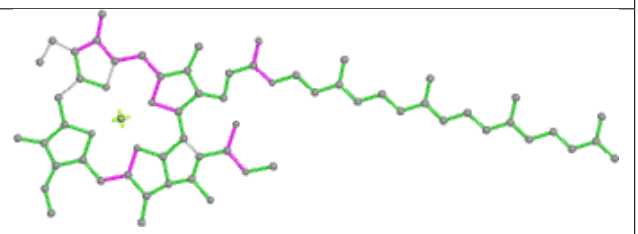
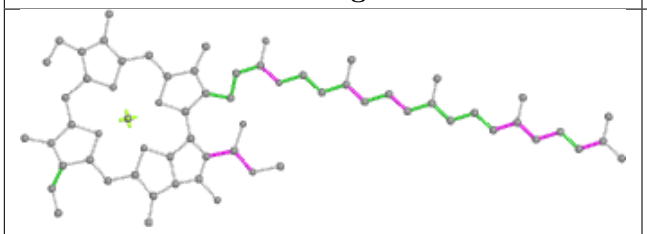


Bond angles



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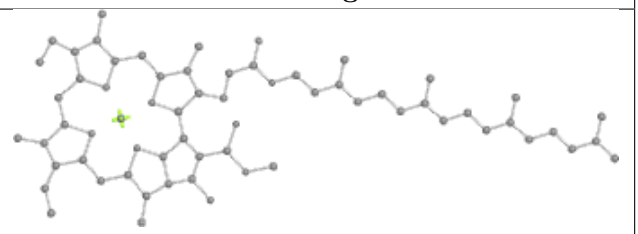
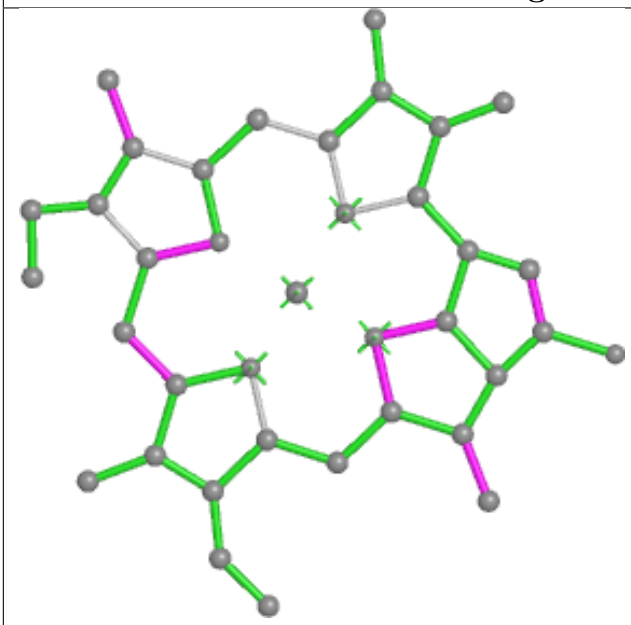


Rings

Ligand CLA J 102



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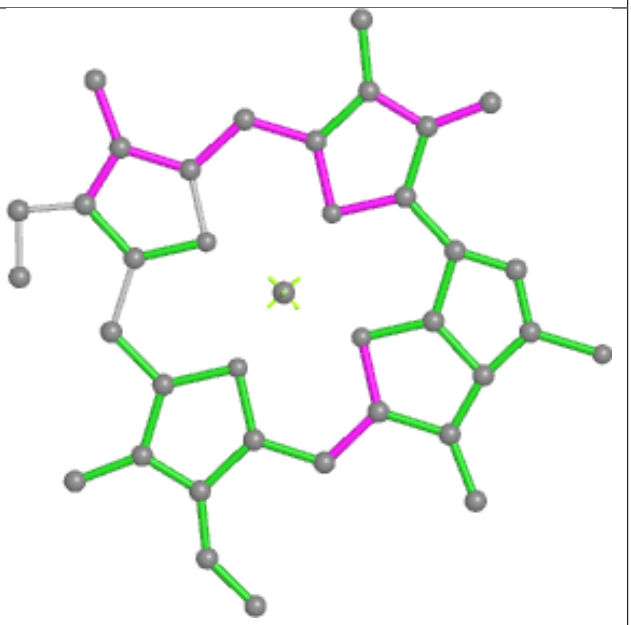
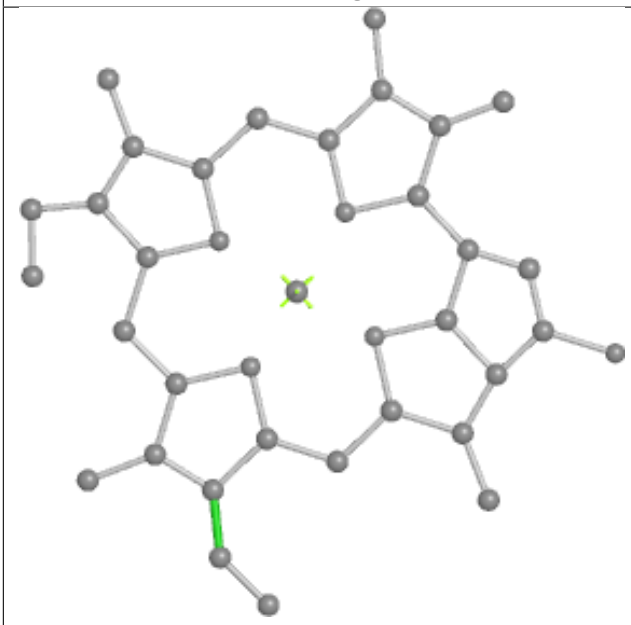


Bond angles



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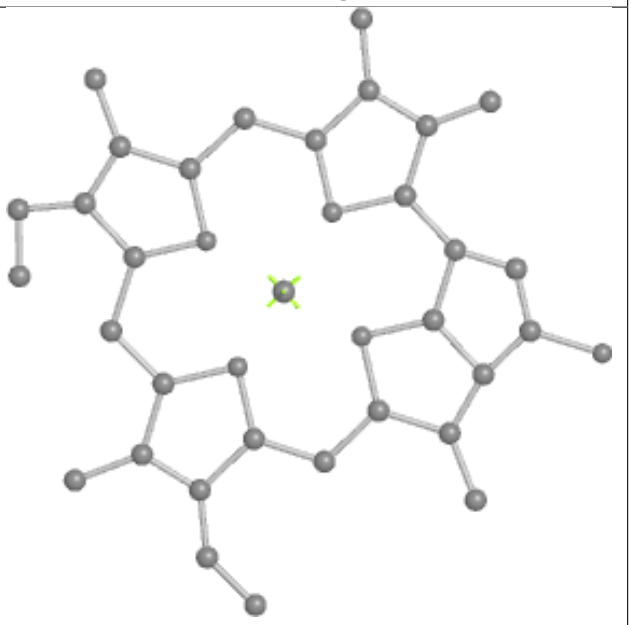
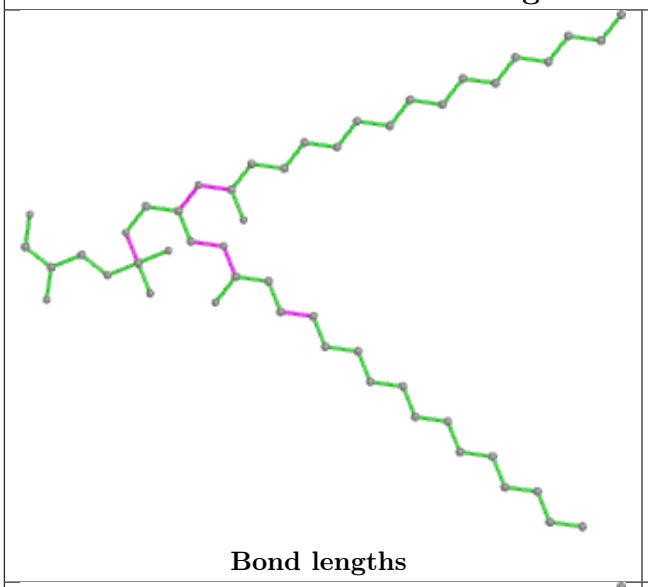
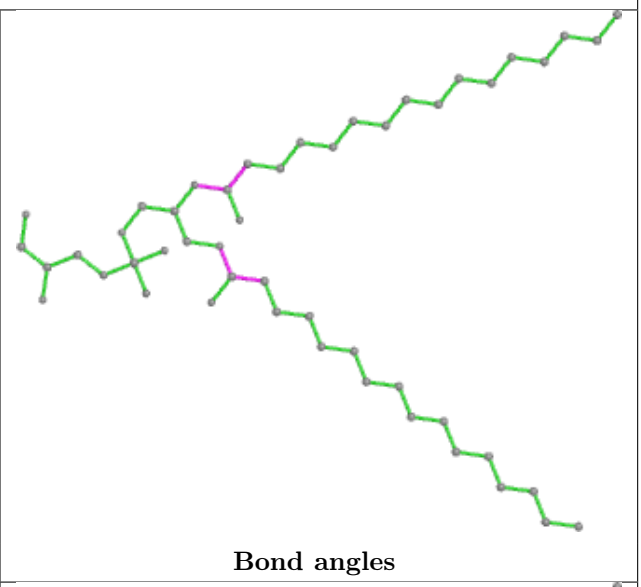


Rings

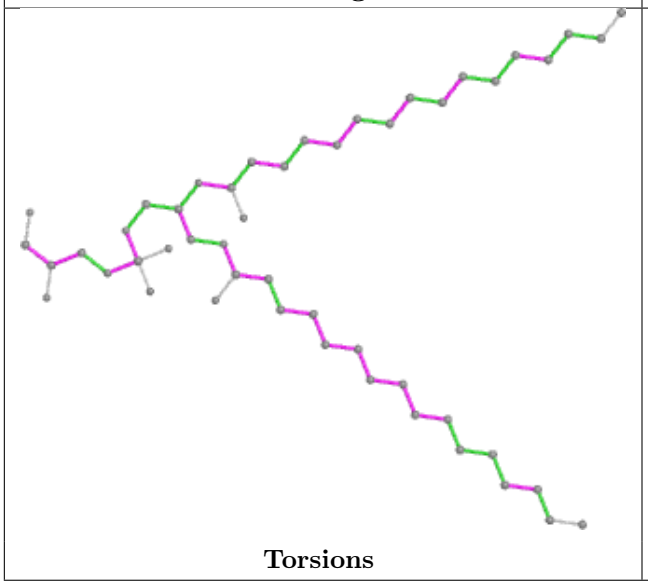
Ligand LHG G 850



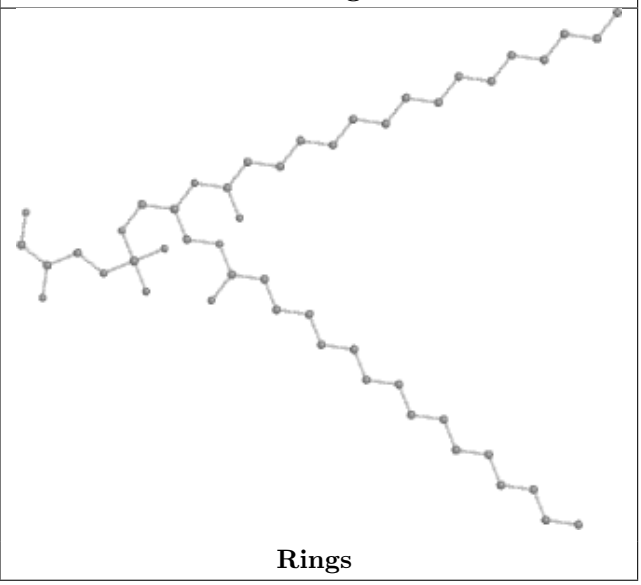
Bond lengths



Bond angles

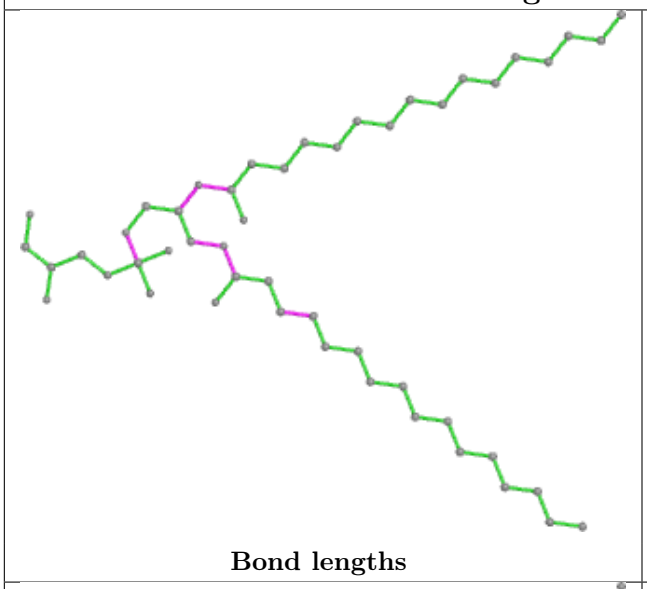


Torsions



Rings

Ligand LHG A 850



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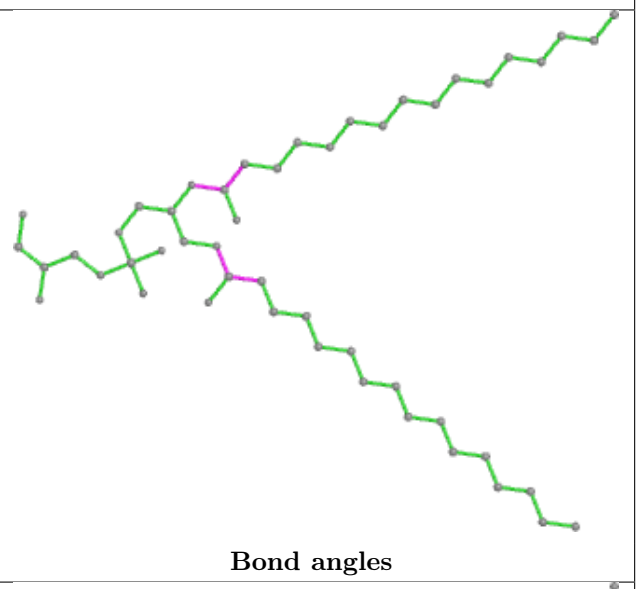
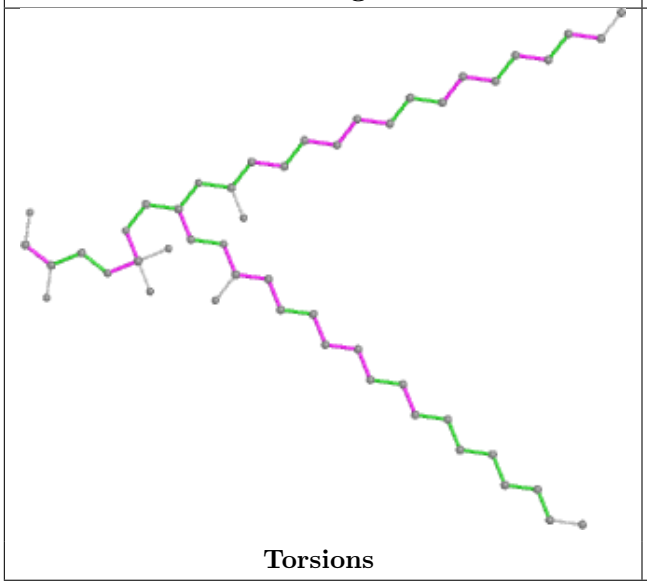


Bond angles



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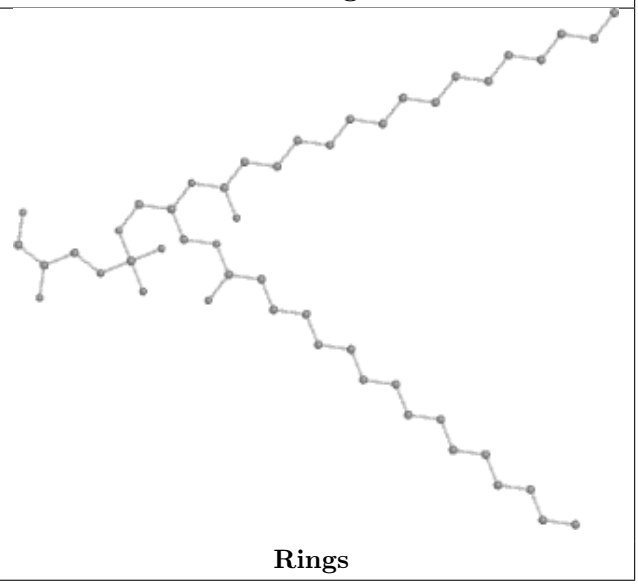
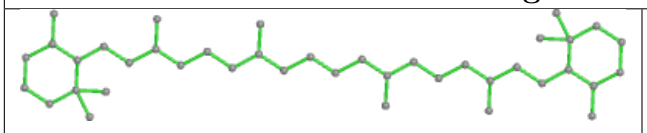


Rings

Ligand BCR A 847



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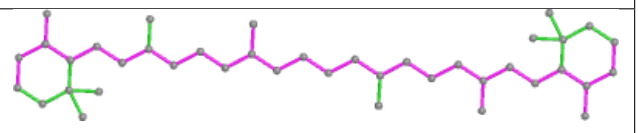
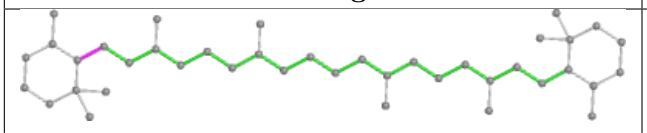


Bond angles



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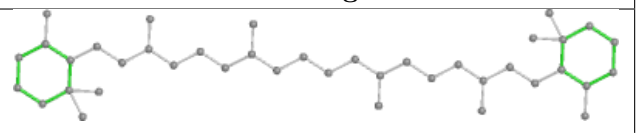
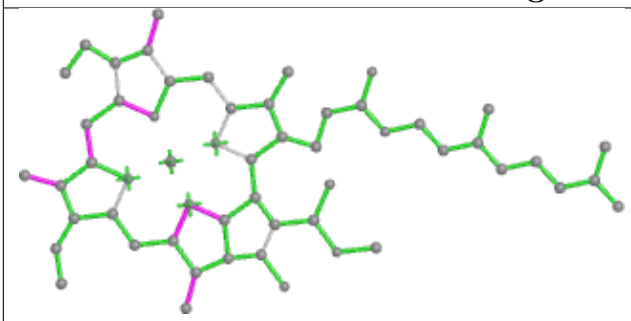


Rings

Ligand CLA n 852



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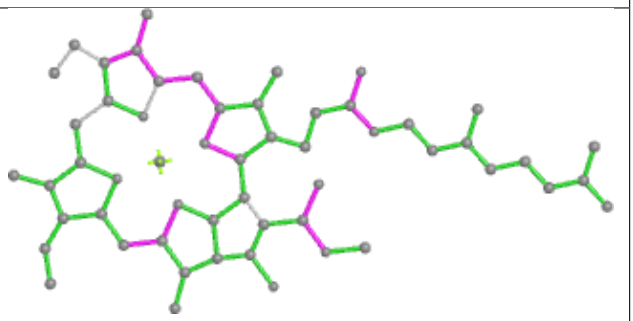
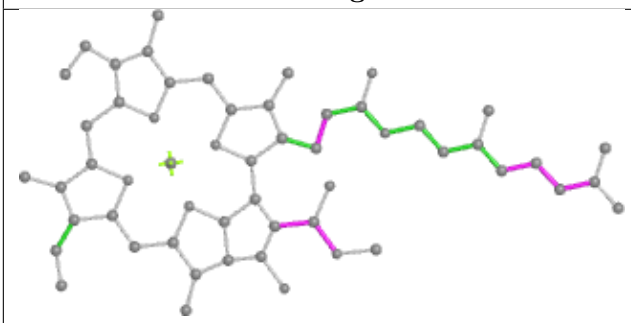
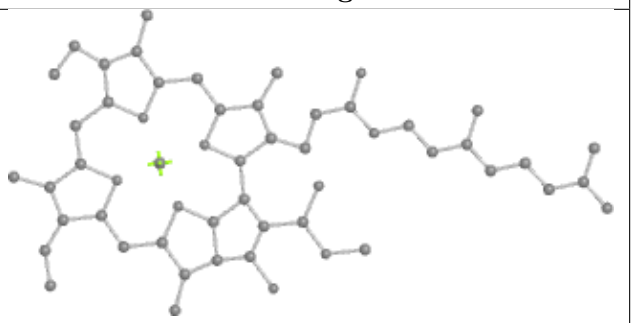


Bond angles

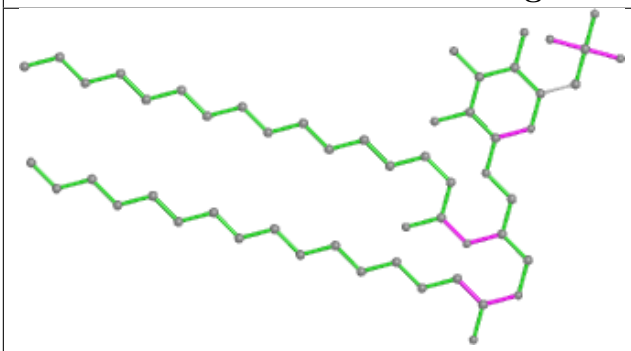


Torsions

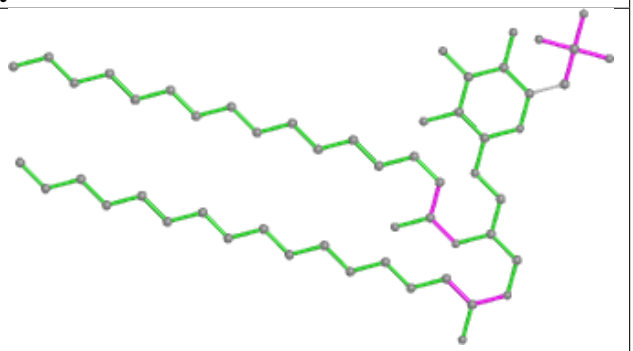


Rings

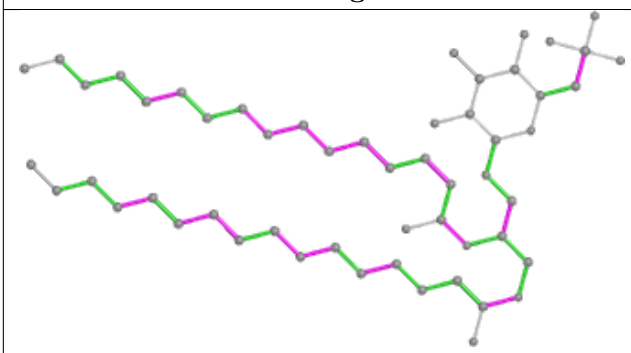
Ligand SQD B 801



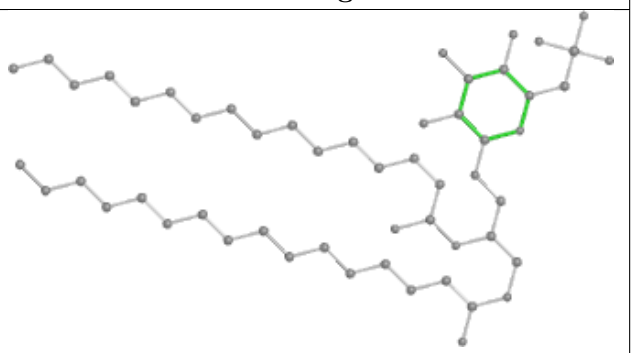
Bond lengths



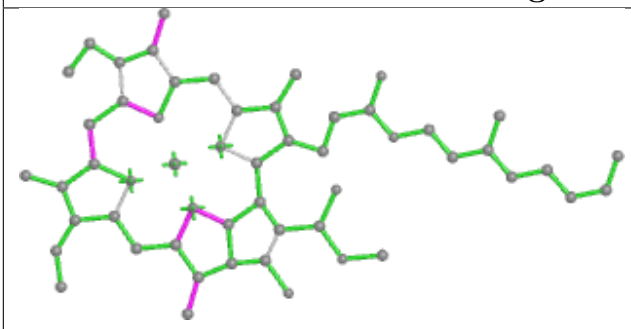
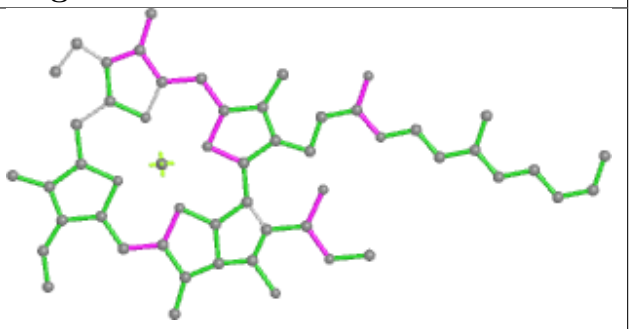
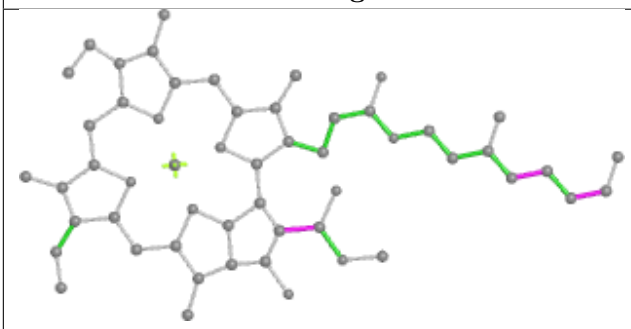
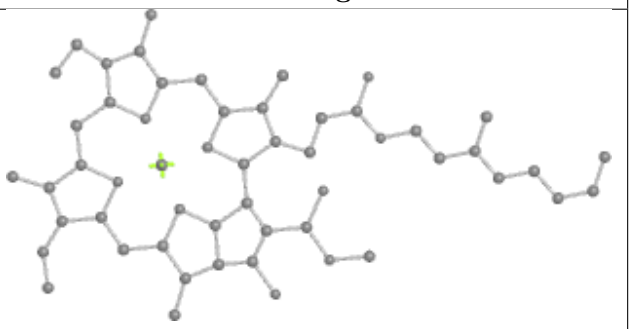
Bond angles

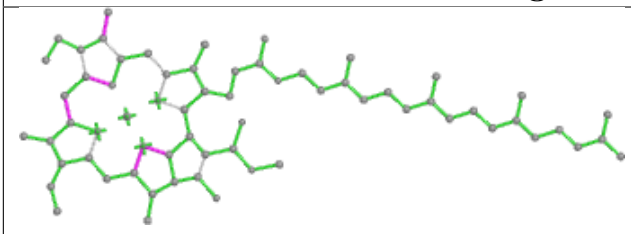
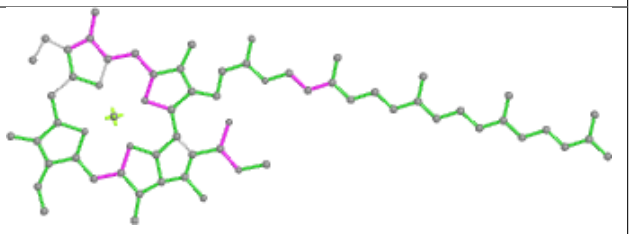
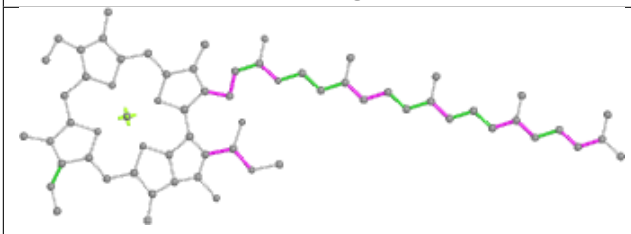
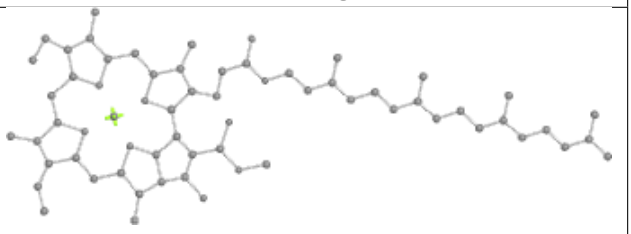


Torsions

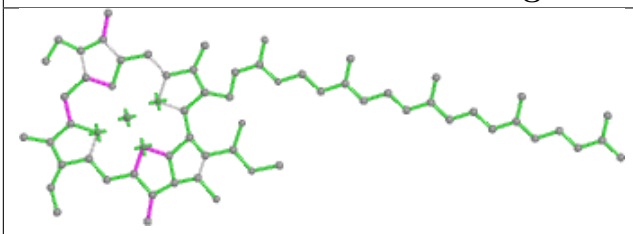


Rings

Ligand CLA g 824	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA a 804	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA N 811



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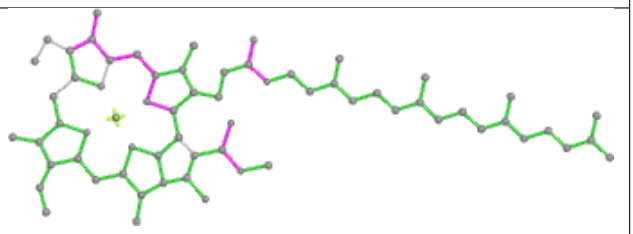

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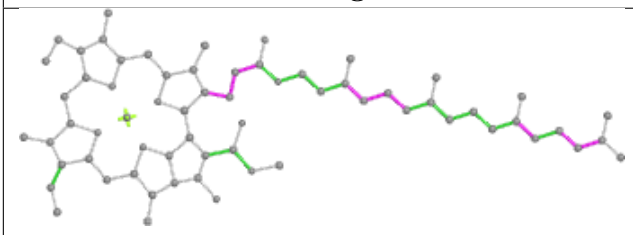
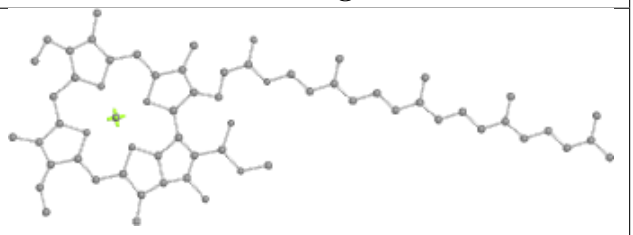
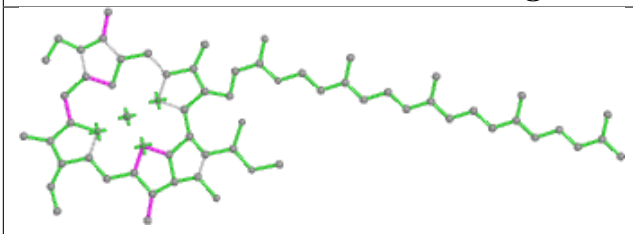


Torsions



Rings

Ligand CLA B 830



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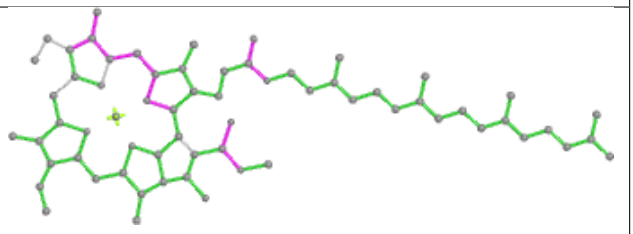

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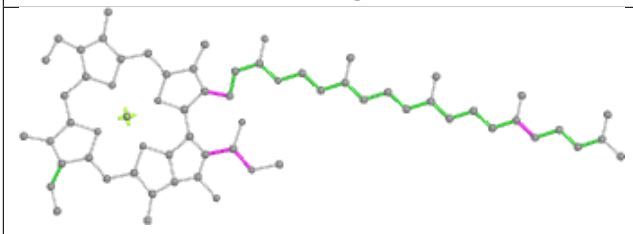

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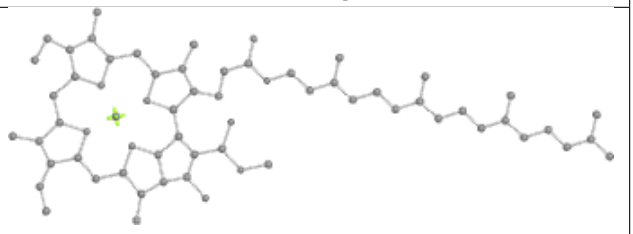
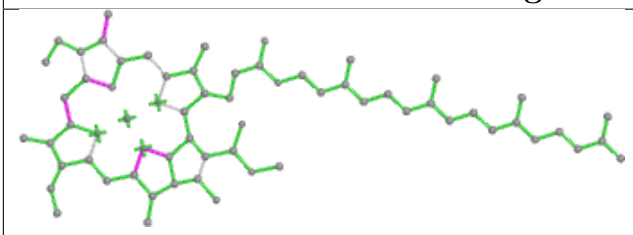


Rings

Ligand CLA B 828



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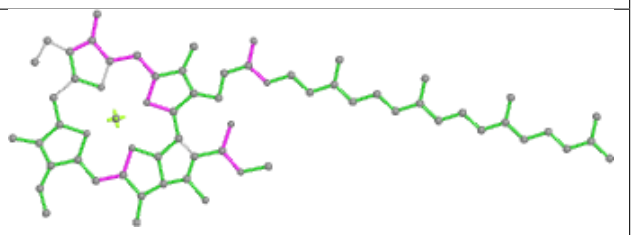

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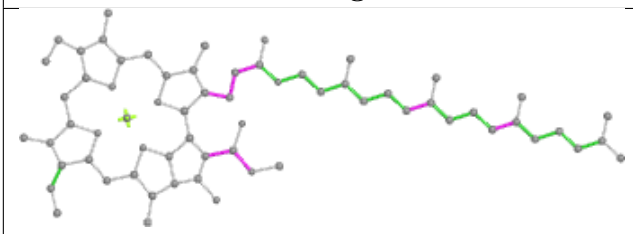

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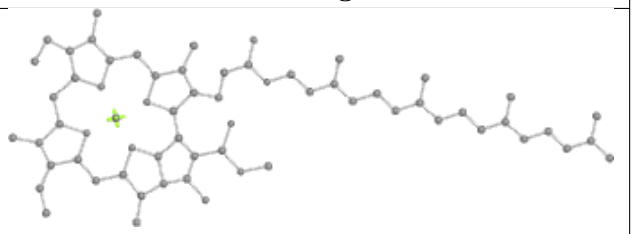
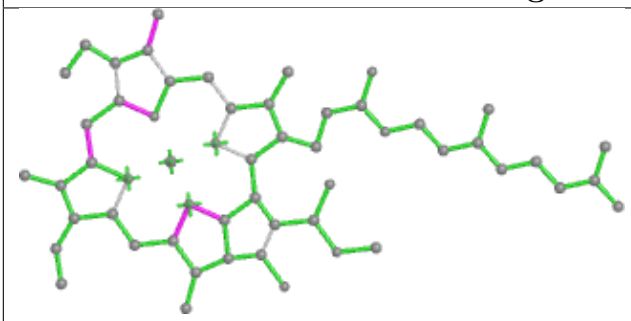


Rings

Ligand CLA b 823



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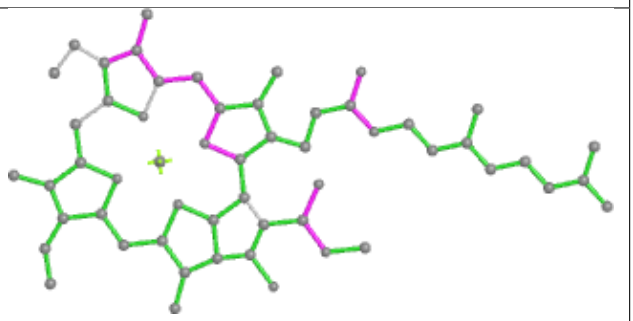

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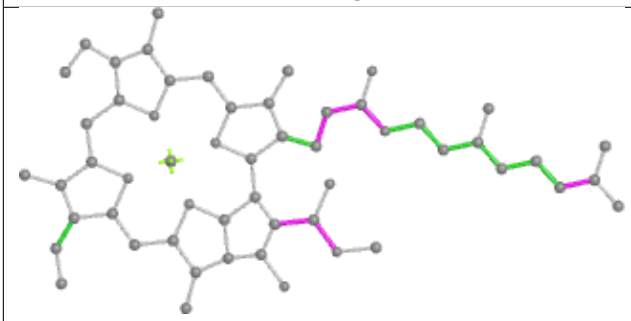

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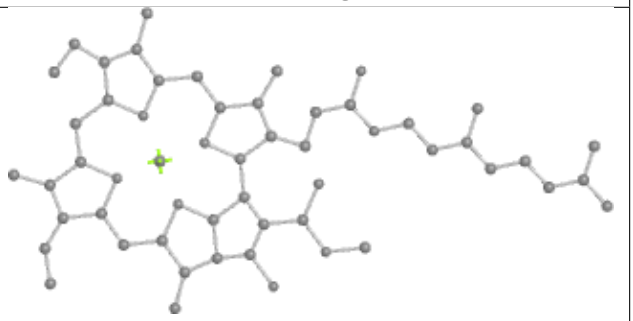
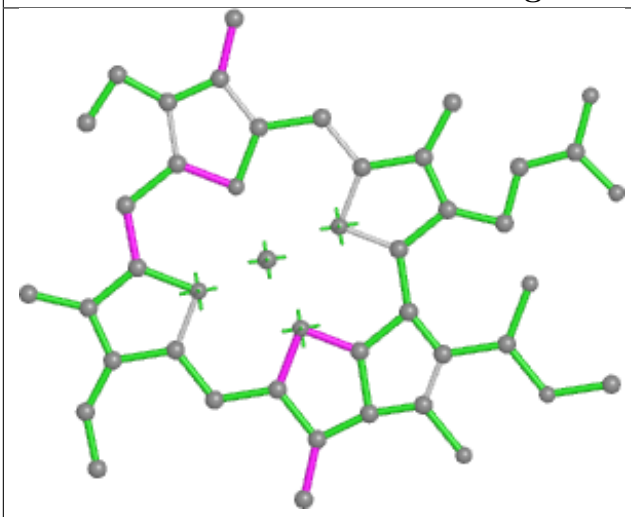


Rings

Ligand CLA w 203



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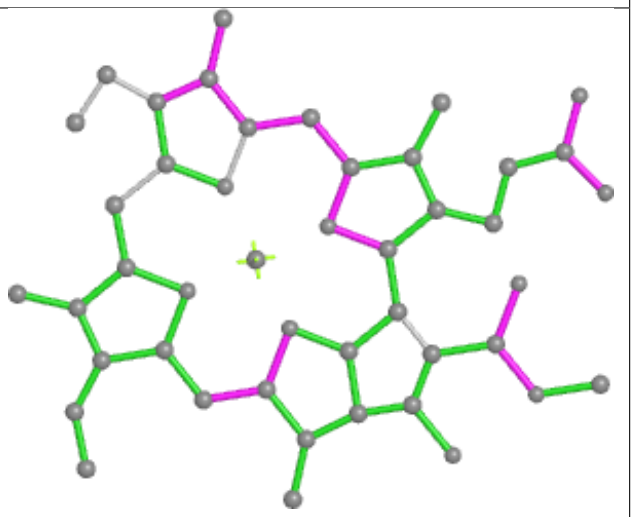

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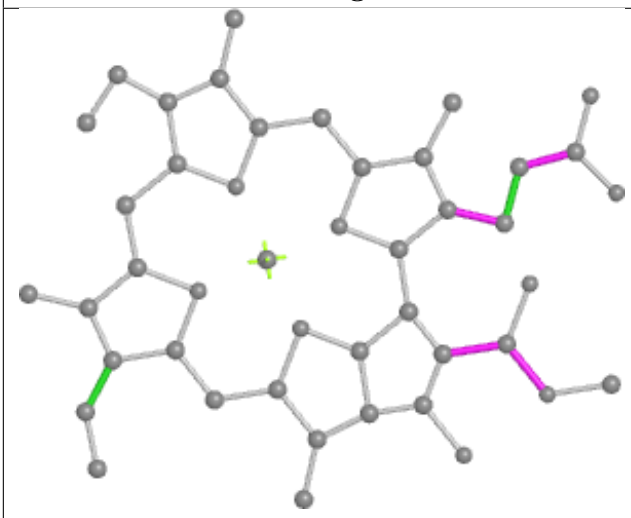

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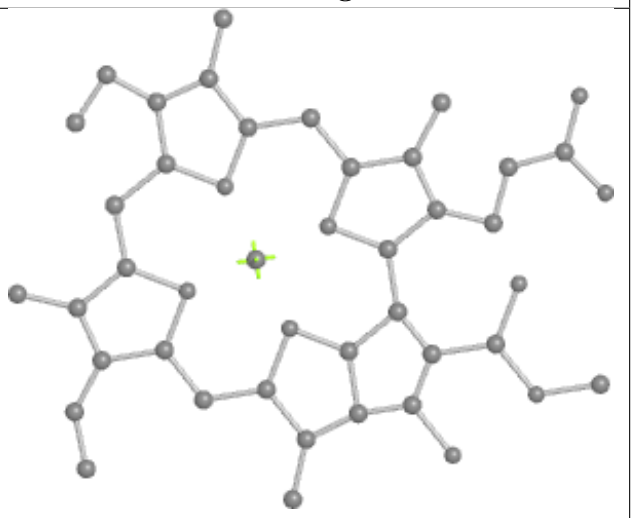
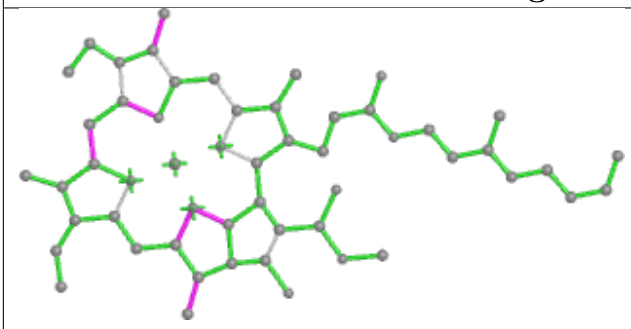
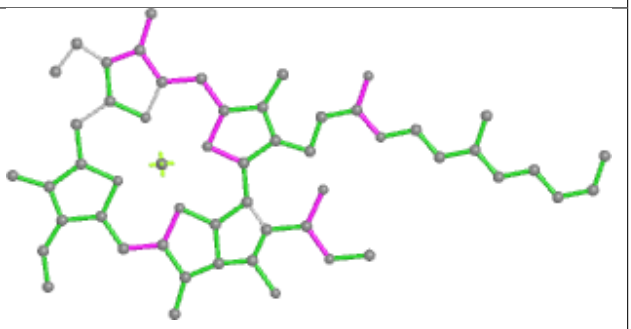
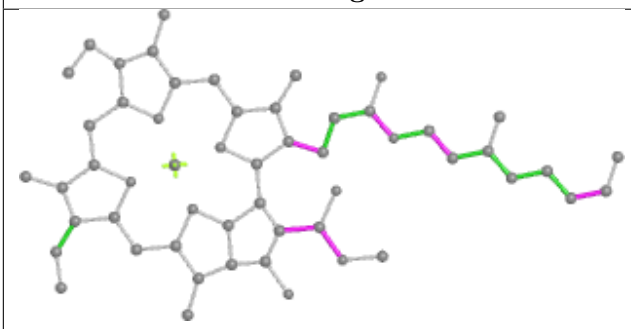
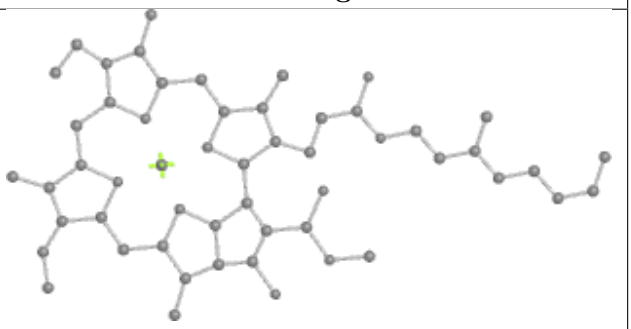


Rings

Ligand CLA a 818	
	
Bond lengths	Bond angles
	
Torsions	Rings

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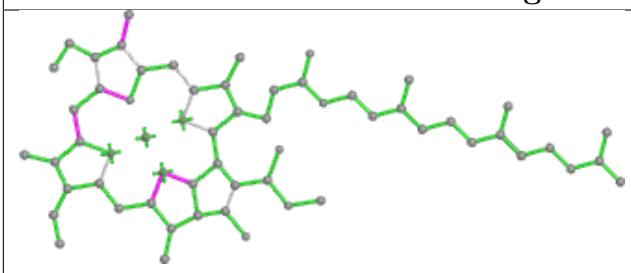
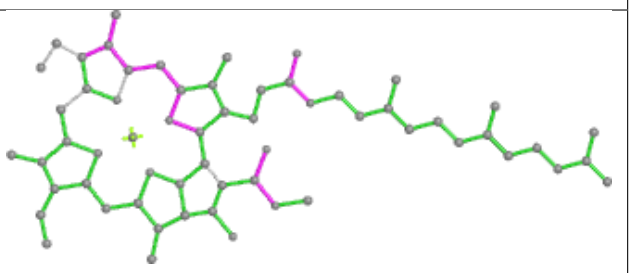
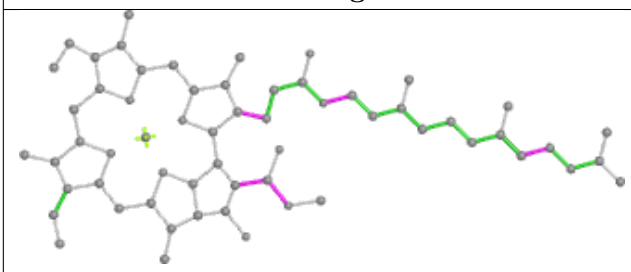
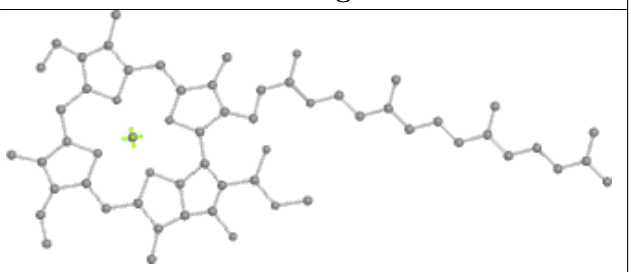
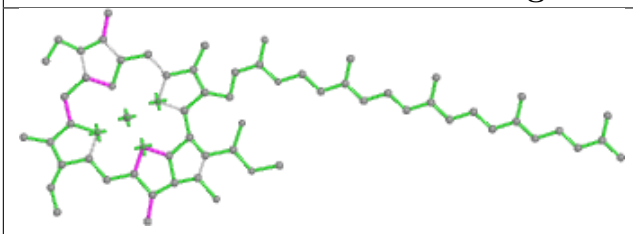
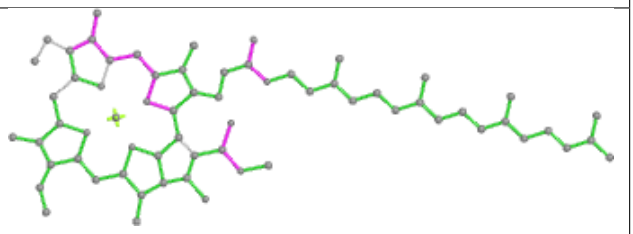
	
Bond lengths	Bond angles
	
Torsions	Rings

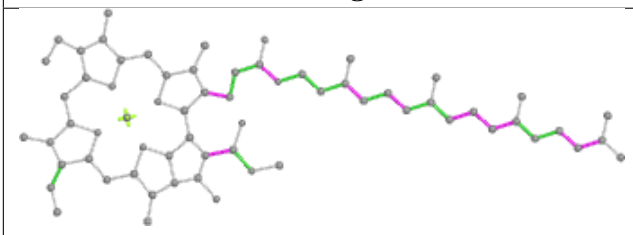
Ligand CLA b 826



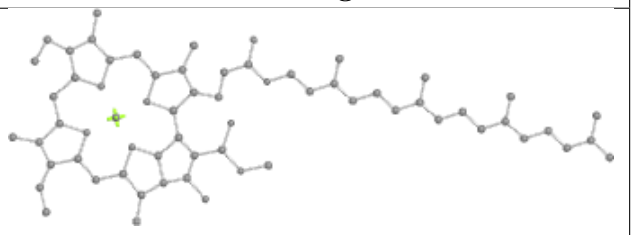
Bond lengths



Bond angles

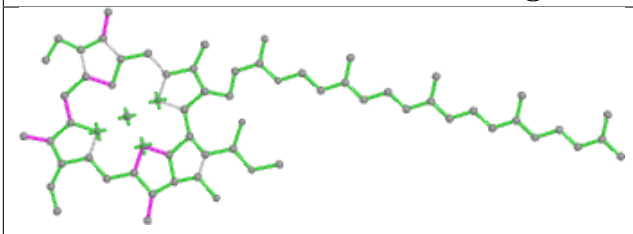


Torsions



Rings

Ligand CLA B 809



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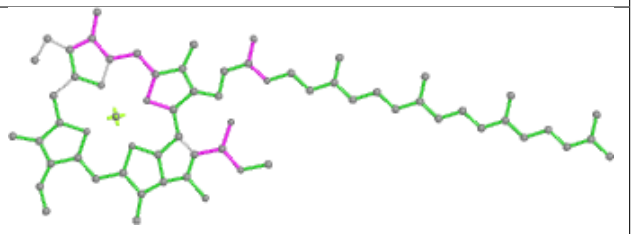
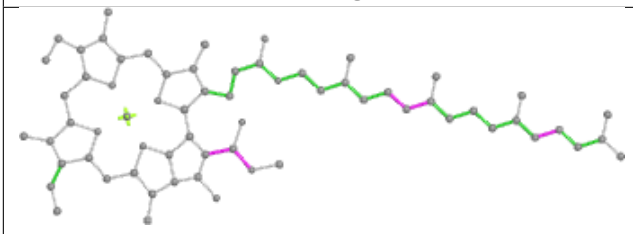


Bond angles



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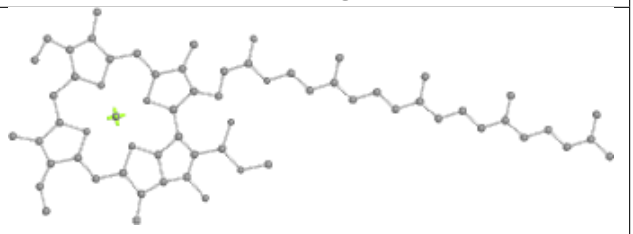
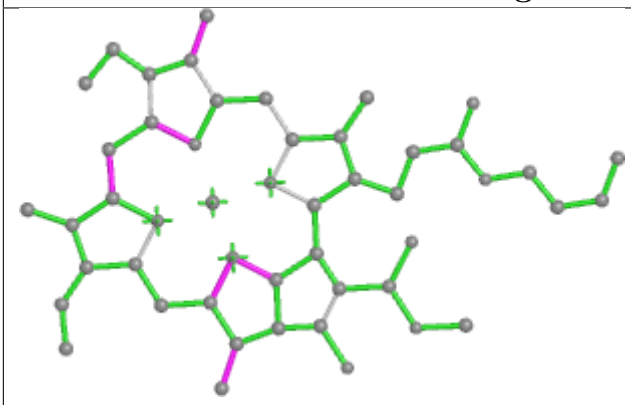


Rings

Ligand CLA X 1701



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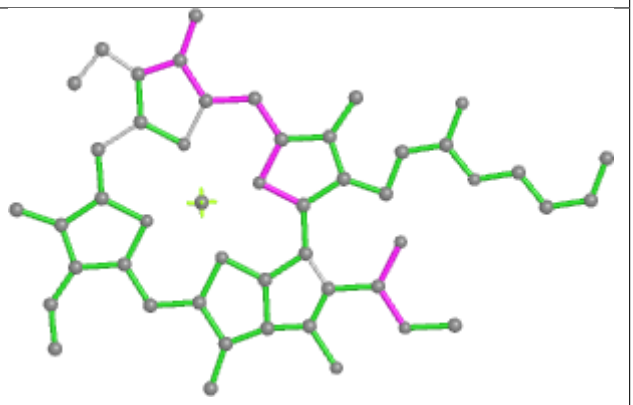
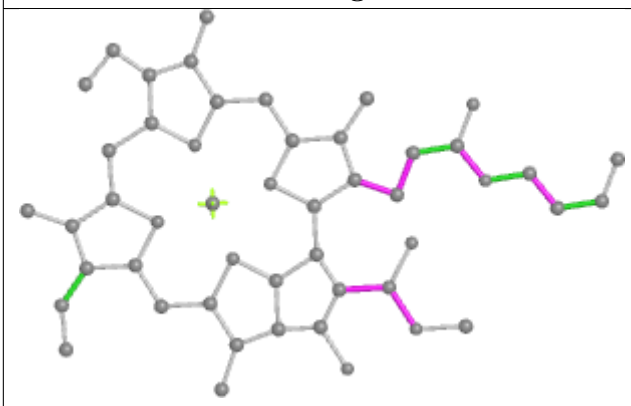


Bond angles



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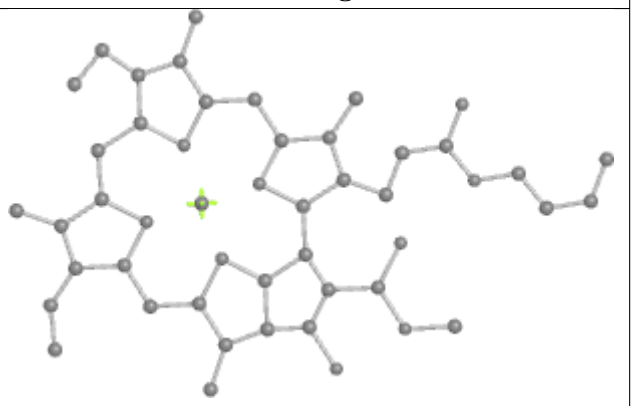
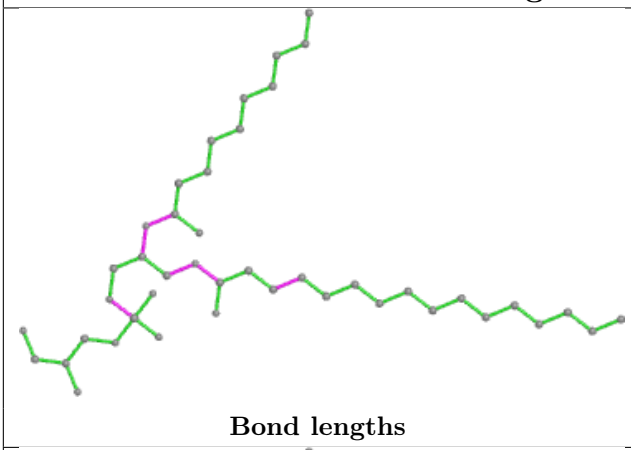


Rings

Ligand LHG S 202



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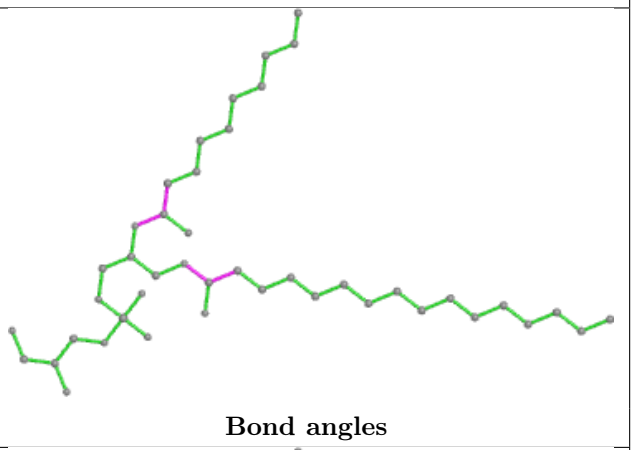
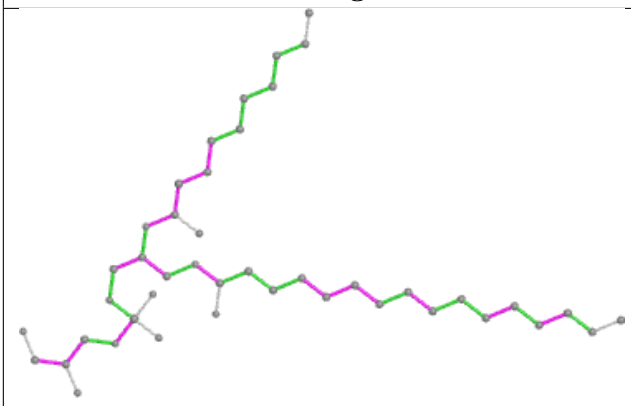
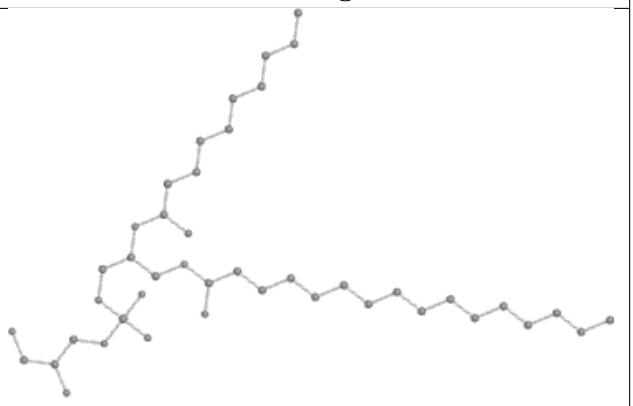


Bond angles

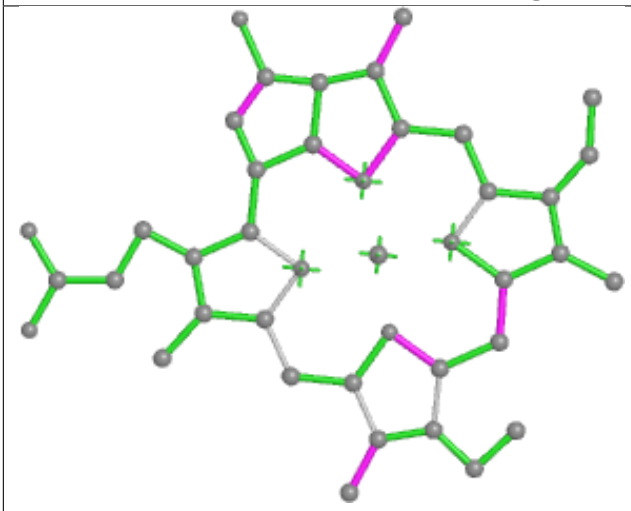


Torsions



Rings

Ligand CLA k 101



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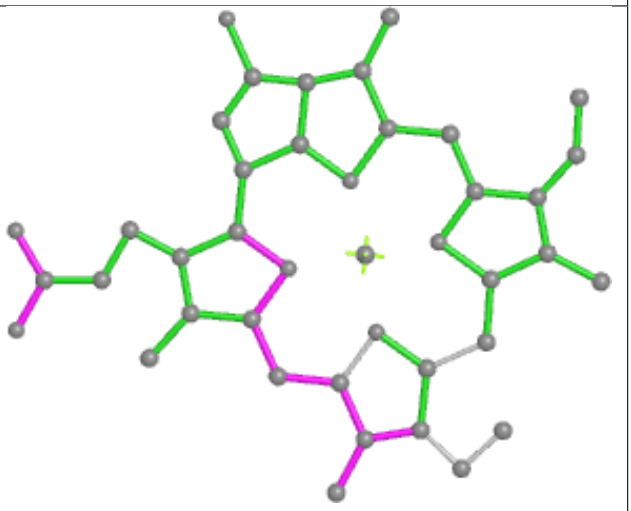
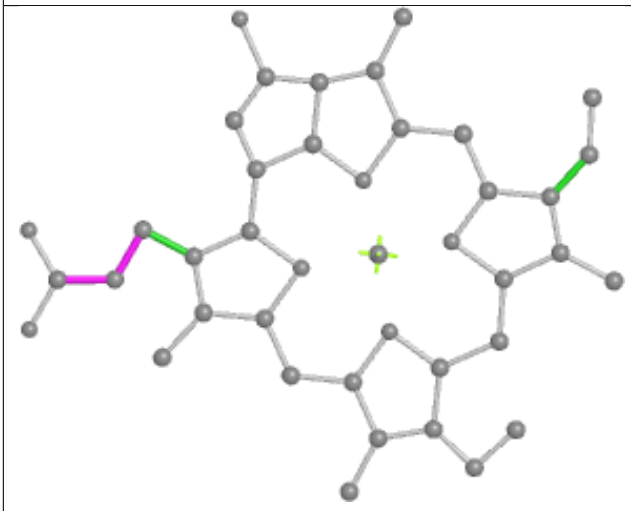


Bond angles



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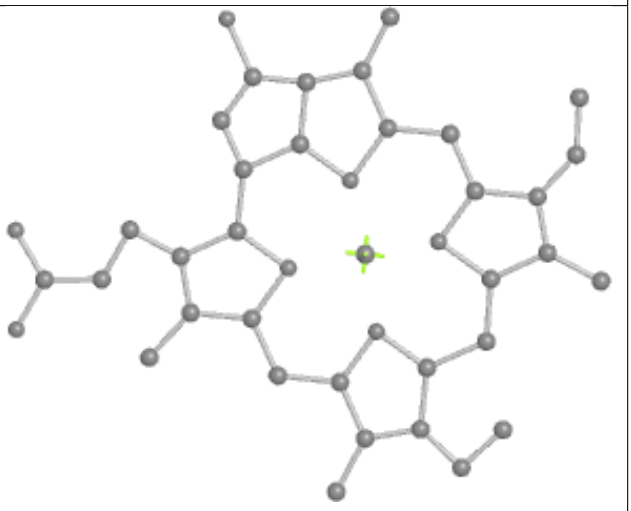
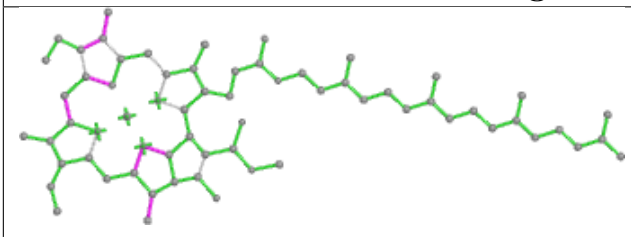
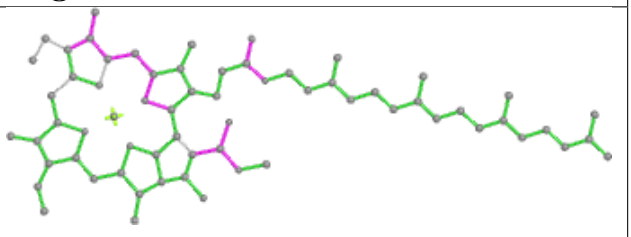


Rings

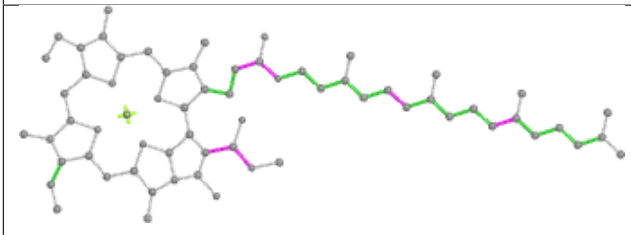
Ligand CLA g 832



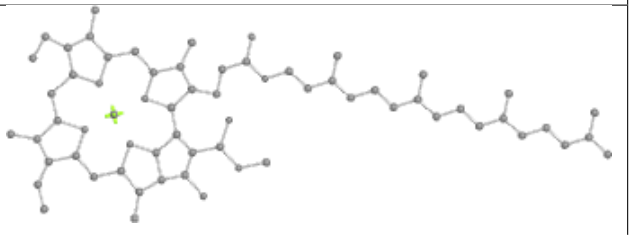
Bond lengths



Bond angles

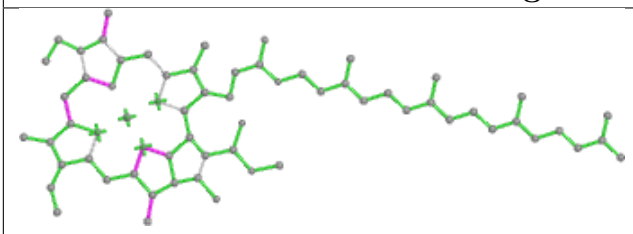


Torsions

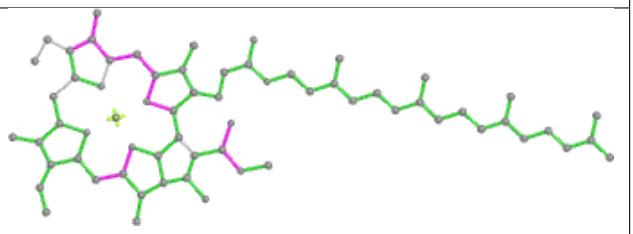


Rings

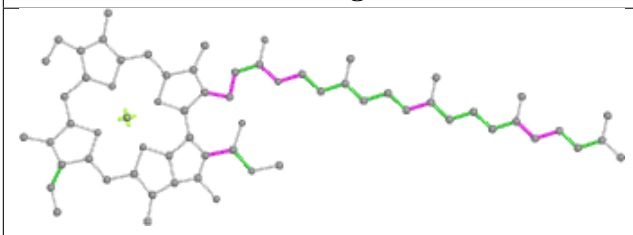
Ligand CLA N 807



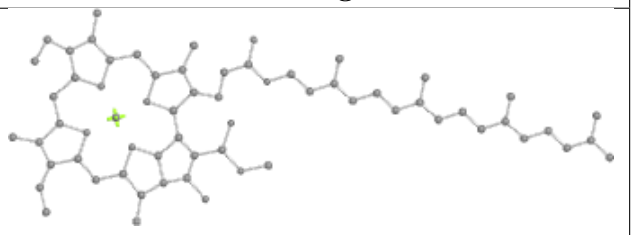
Bond lengths



Bond angles

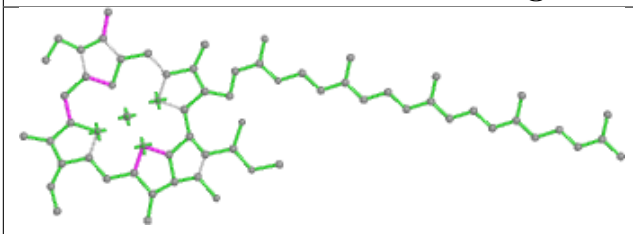


Torsions



Rings

Ligand CLA b 819



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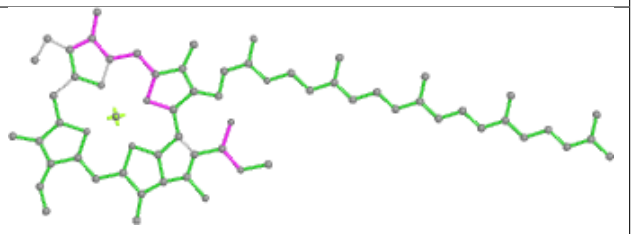
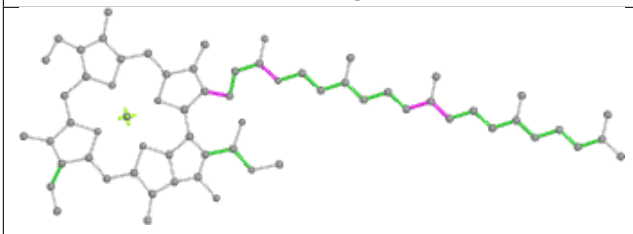
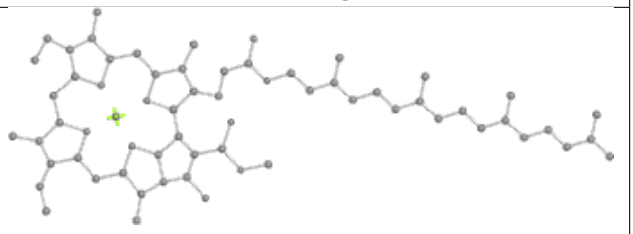


Bond angles

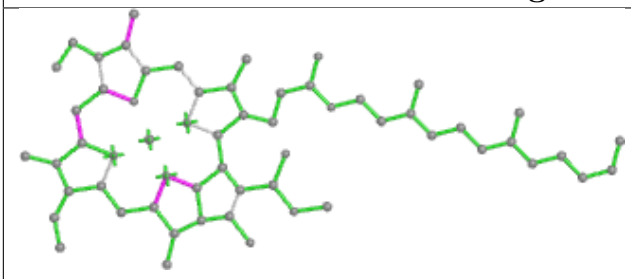


Torsions

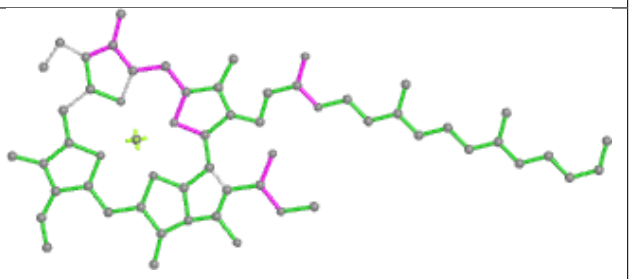


Rings

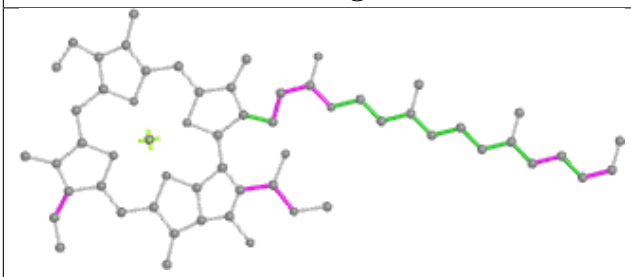
Ligand CLA a 810



Bond lengths



Bond angles



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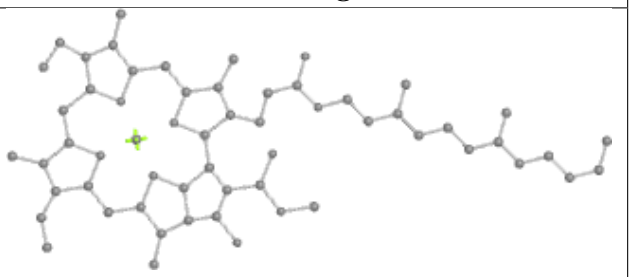
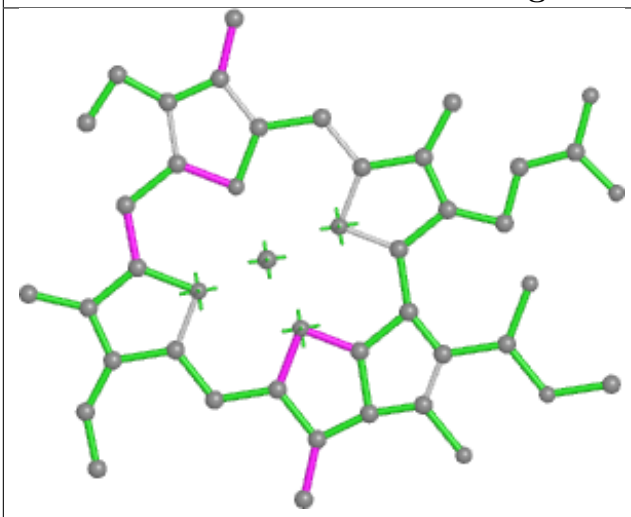
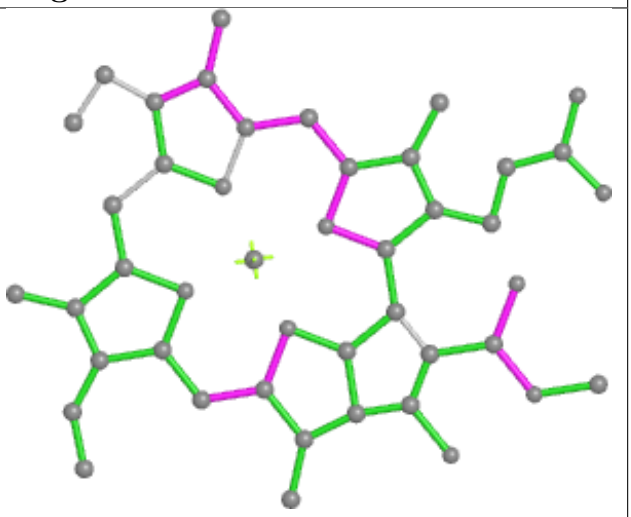


Rings

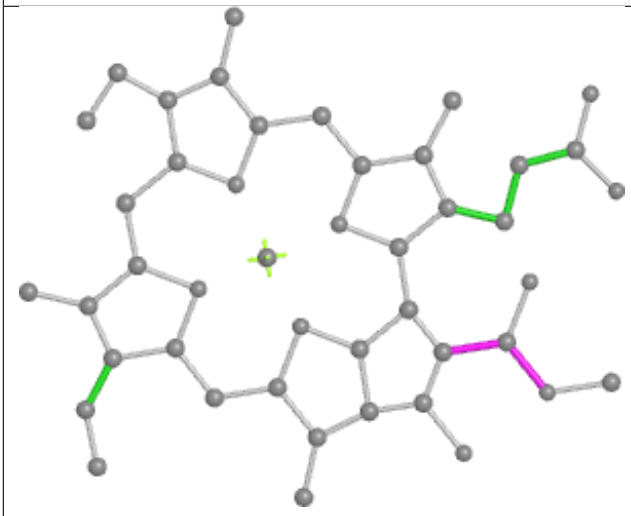
Ligand CLA g 822



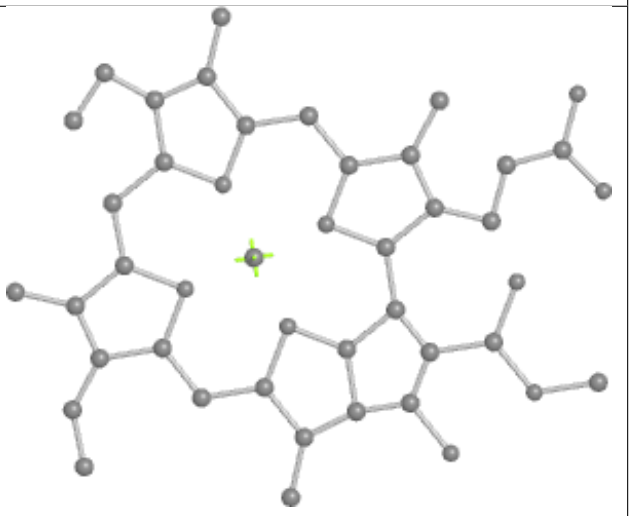
Bond lengths



Bond angles

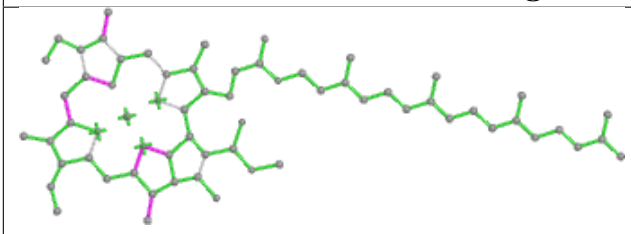


Torsions

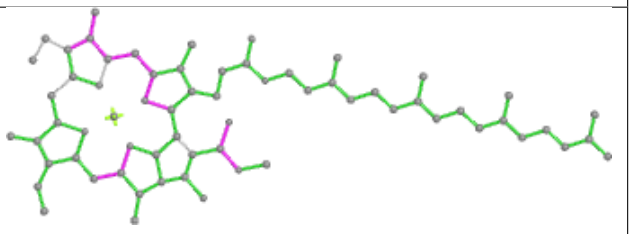


Rings

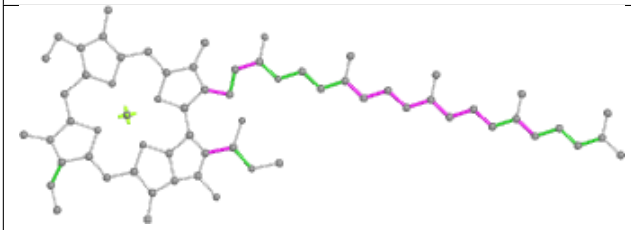
Ligand CLA B 824



Bond lengths



Bond angles



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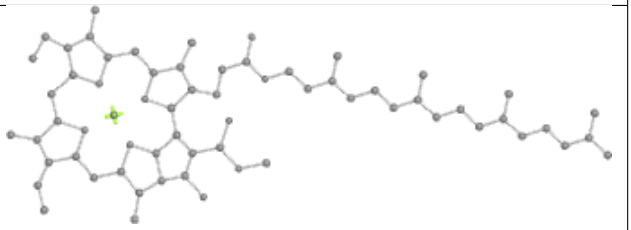
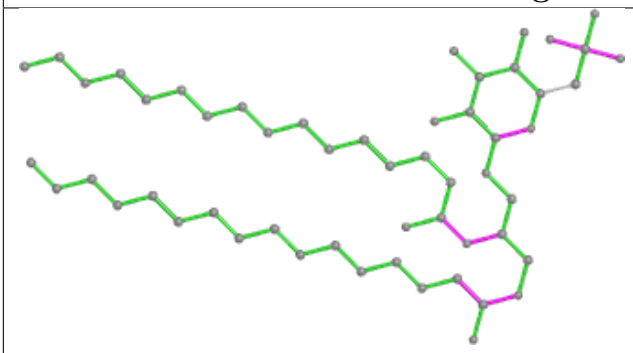


Rings

Ligand SQD l 201



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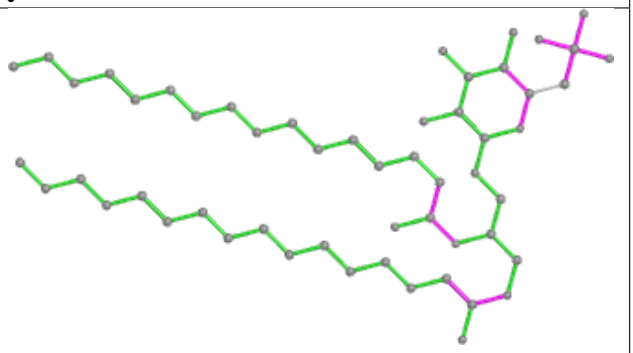
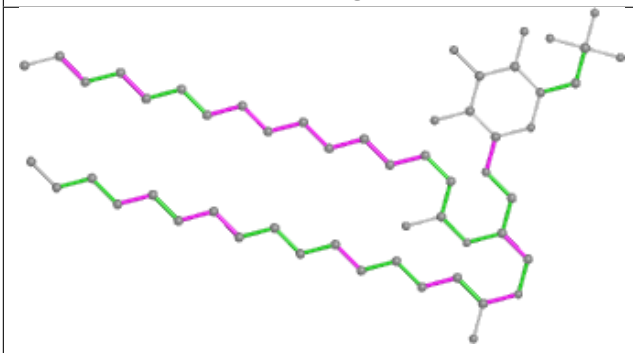


Bond angles



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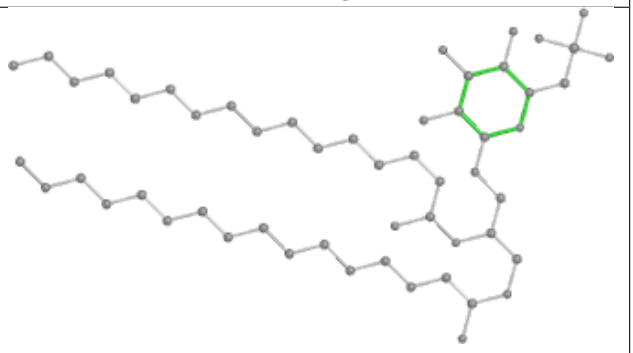
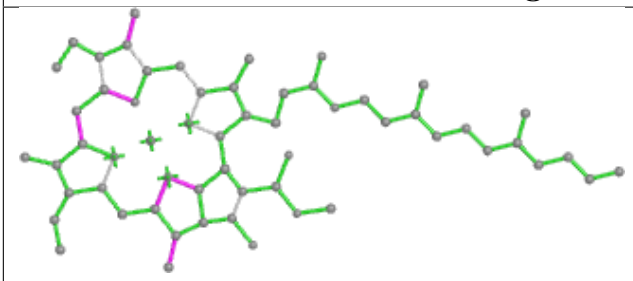


Rings

Ligand CLA B 833



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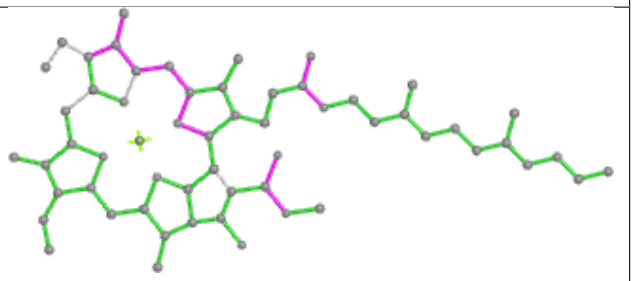
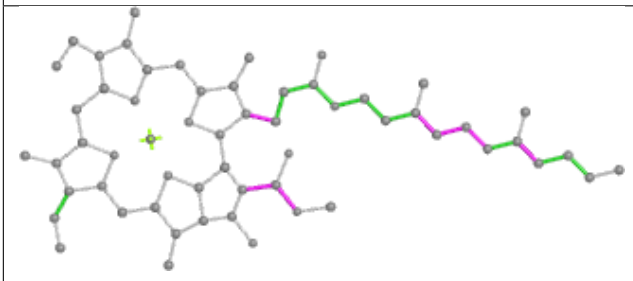


Bond angles



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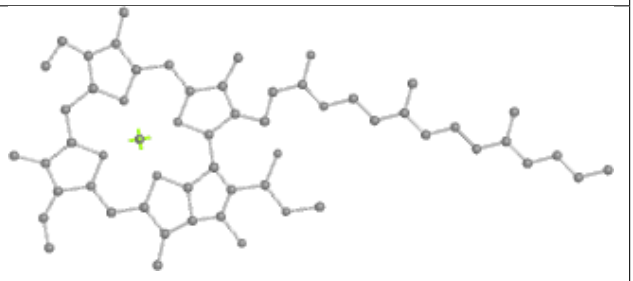
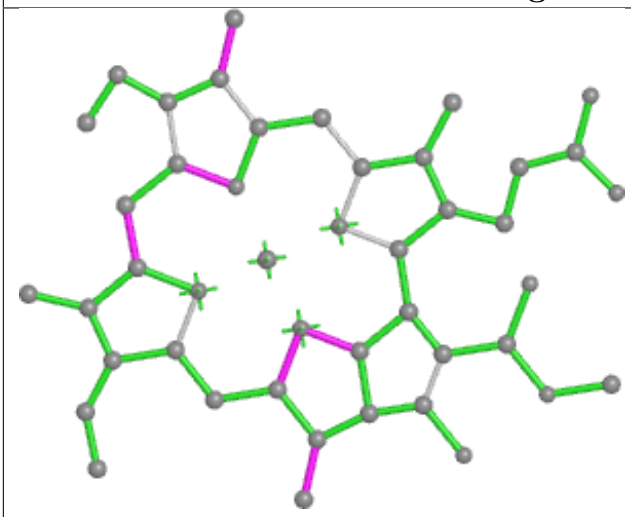
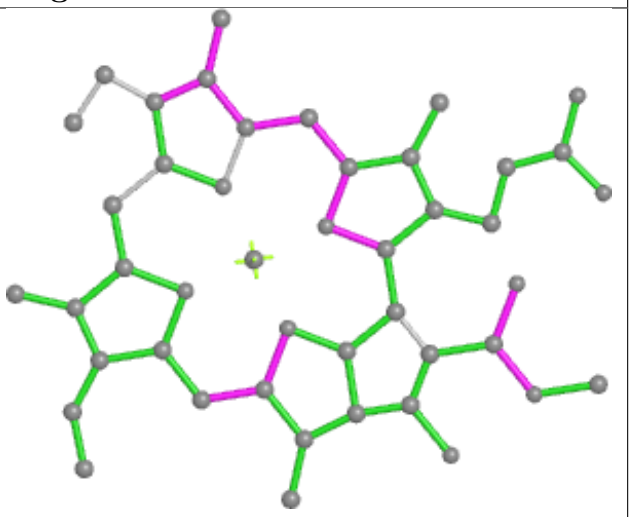


Rings

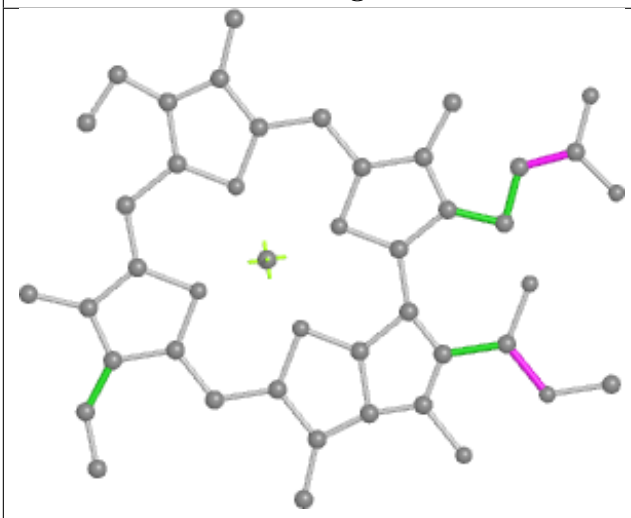
Ligand CLA g 814



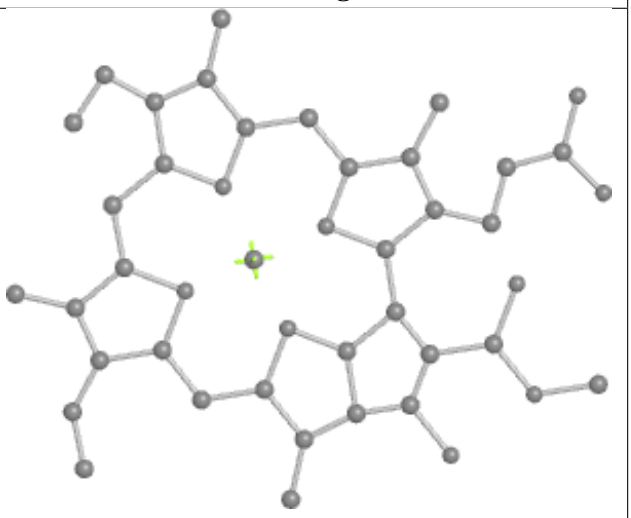
Bond lengths



Bond angles

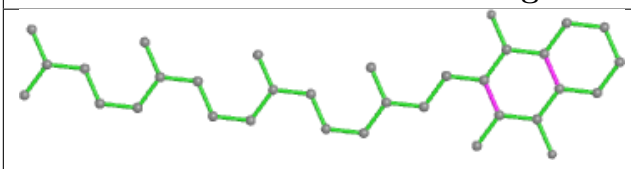


Torsions

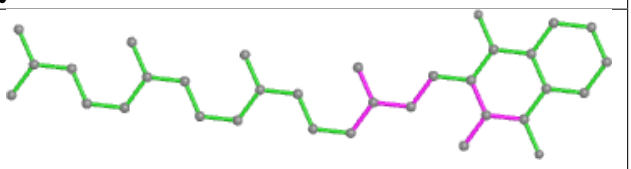


Rings

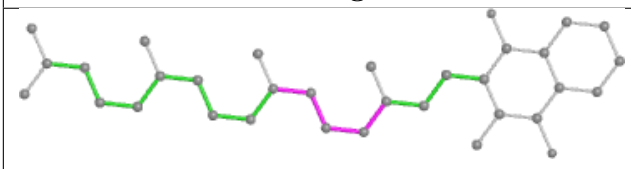
Ligand PQN A 842



Bond lengths



Bond angles



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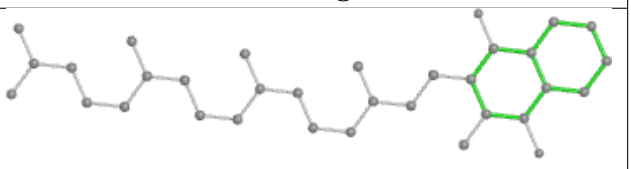
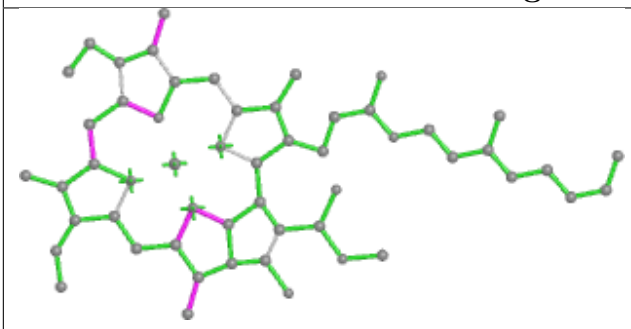
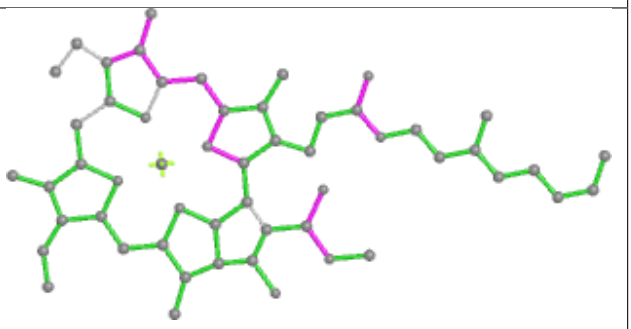
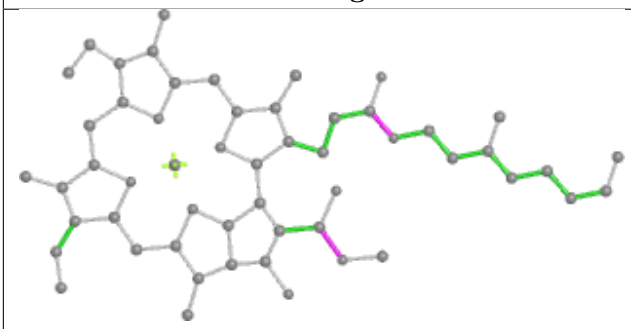
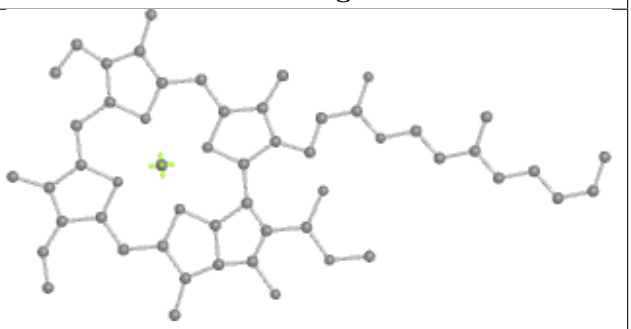
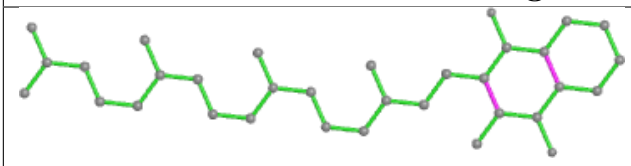
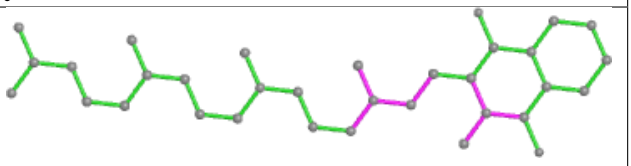
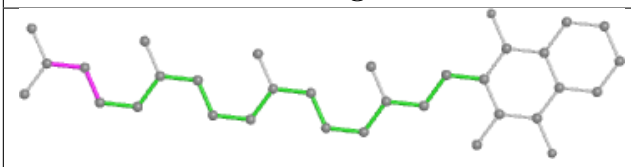
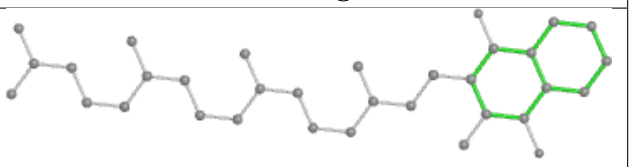
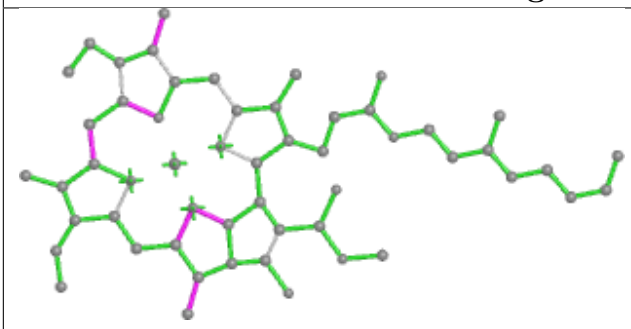


Rings

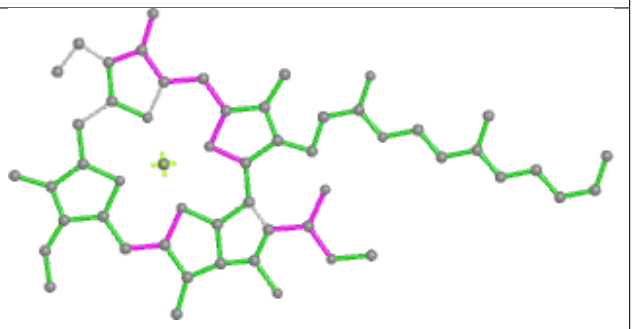
Ligand CLA A 834	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand PQN a 841	
	
Bond lengths	Bond angles
	
Torsions	Rings

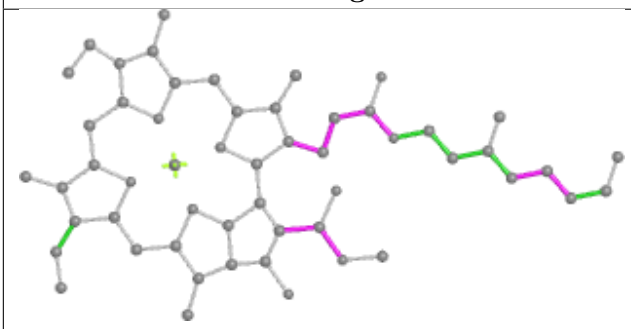
Ligand CLA n 833



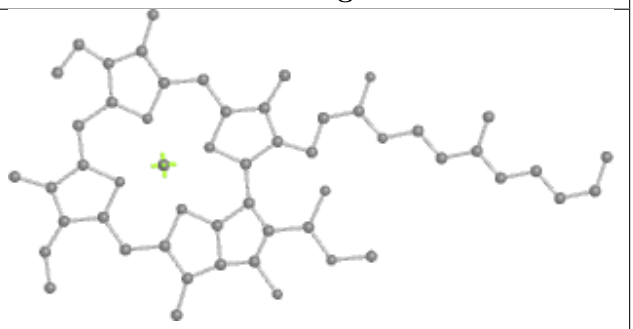
Bond lengths



Bond angles

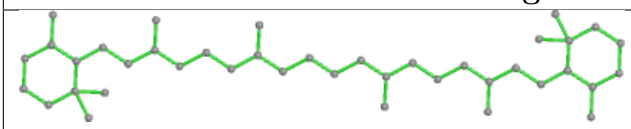


Torsions

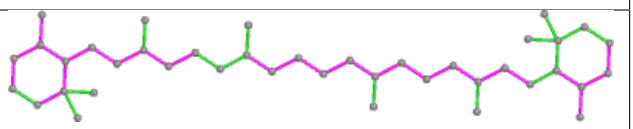


Rings

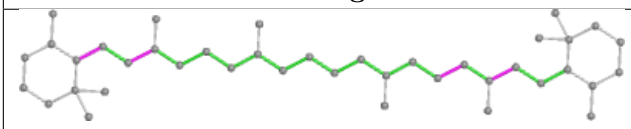
Ligand BCR B 843



Bond lengths



Bond angles



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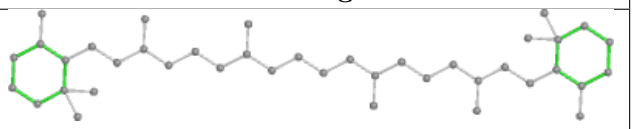
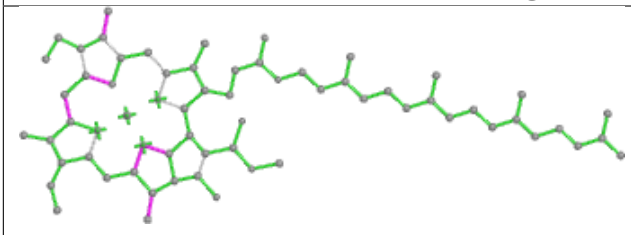
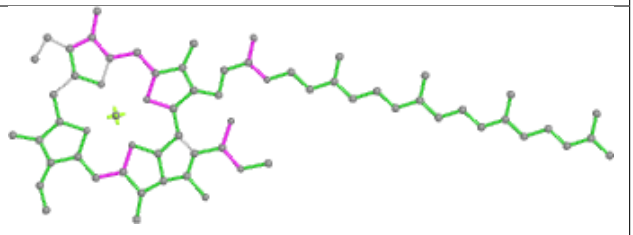


Rings

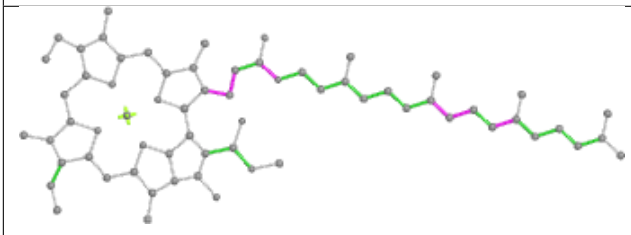
Ligand CLA N 830



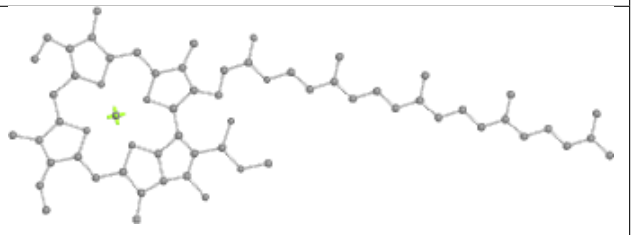
Bond lengths



Bond angles

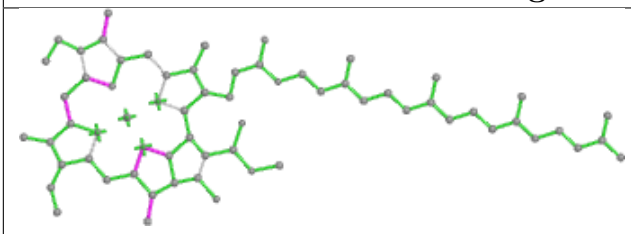


Torsions

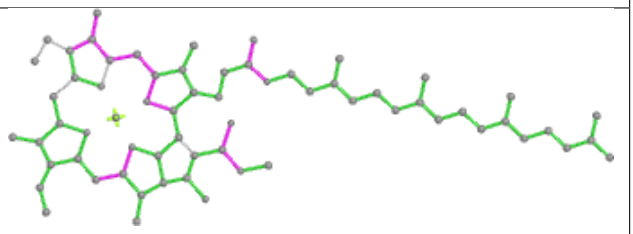


Rings

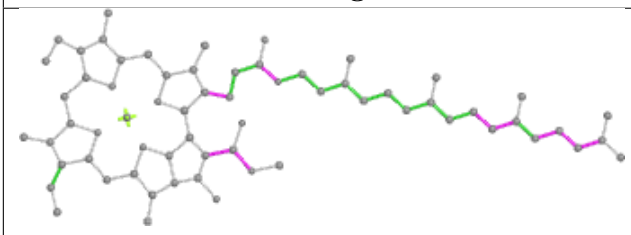
Ligand CLA a 809



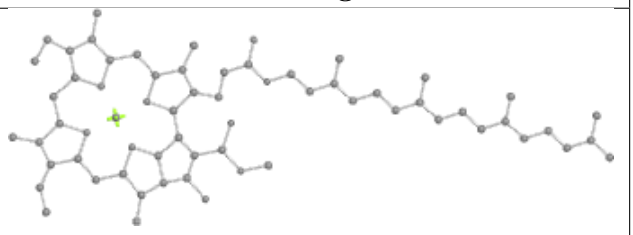
Bond lengths



Bond angles

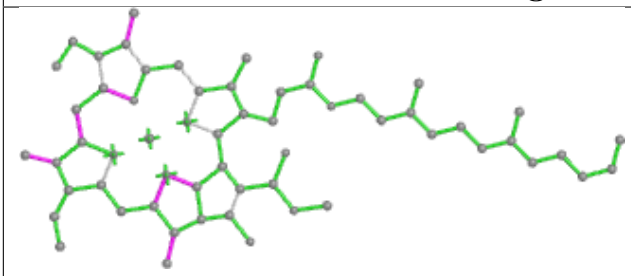


Torsions

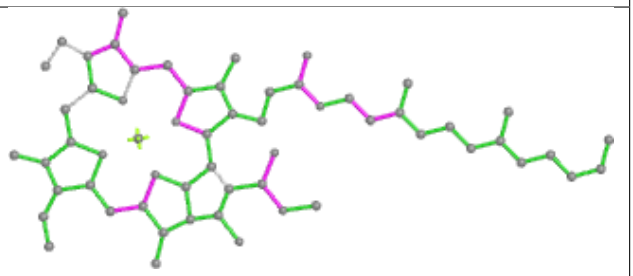


Rings

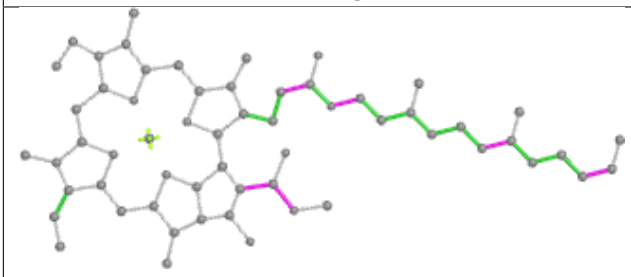
Ligand CLA S 201



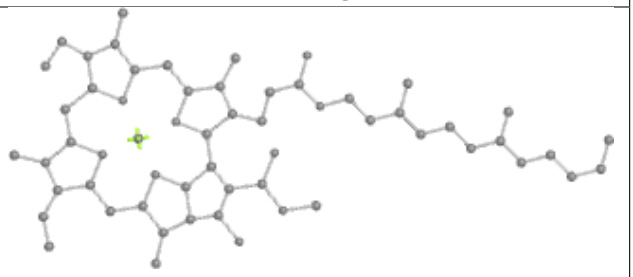
Bond lengths



Bond angles

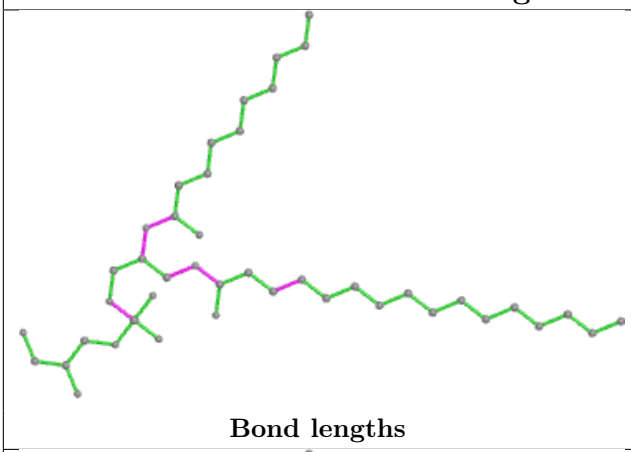


Torsions

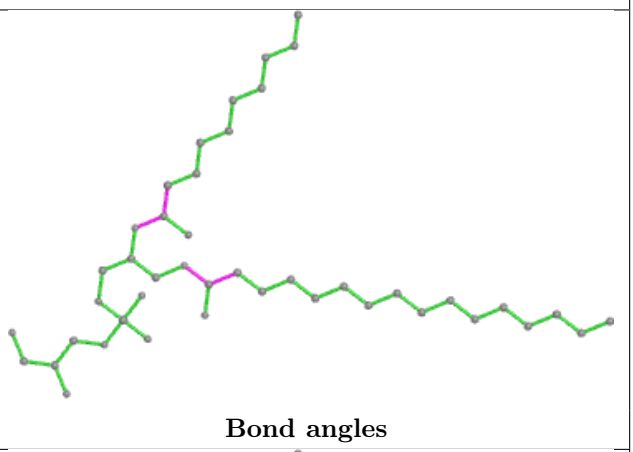


Rings

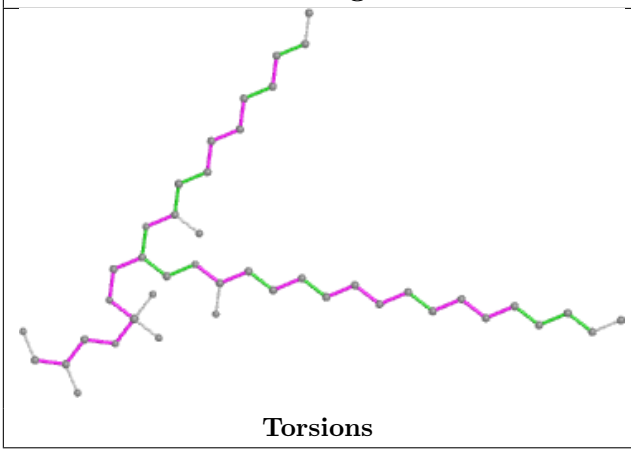
Ligand LHG X 1702



Bond lengths



Bond angles



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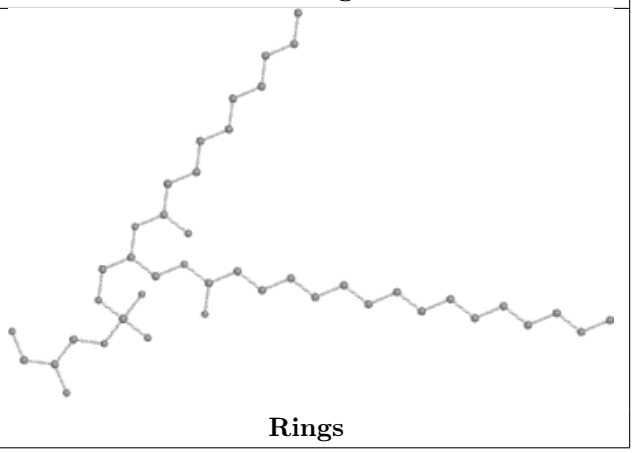
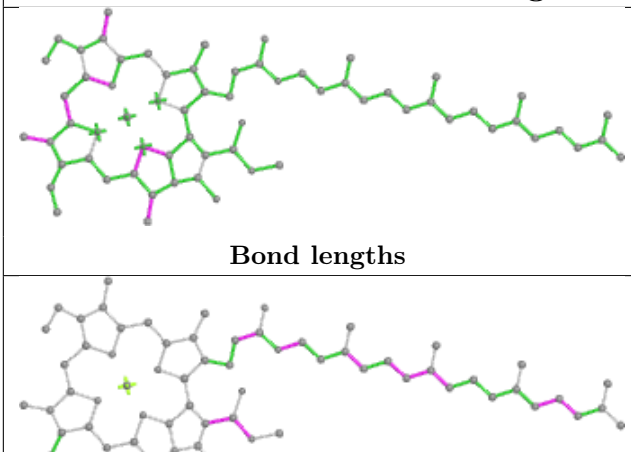
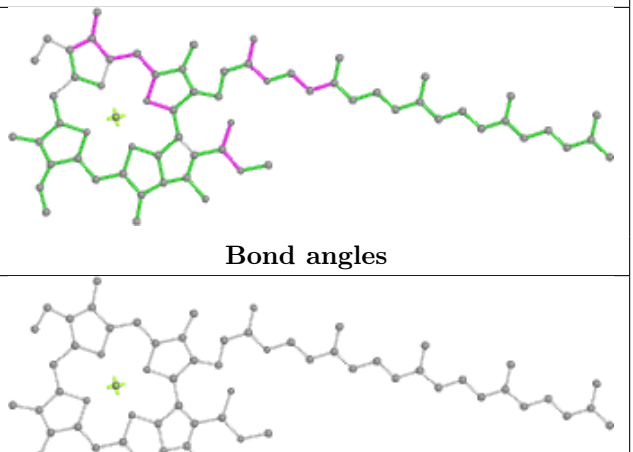


Rings

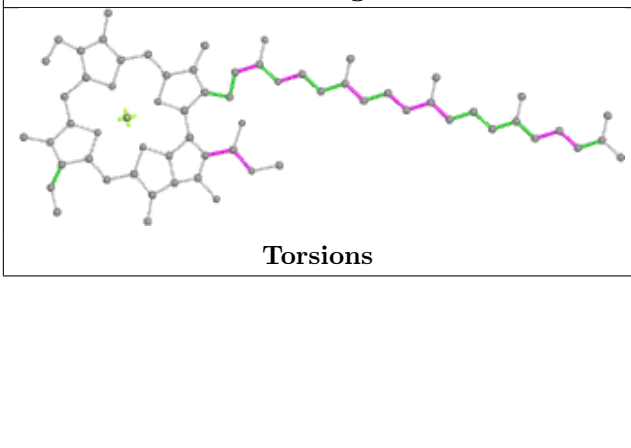
Ligand CLA b 804



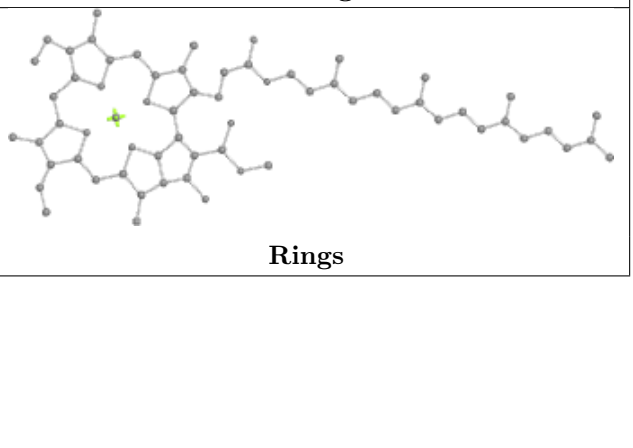
Bond lengths



Bond angles

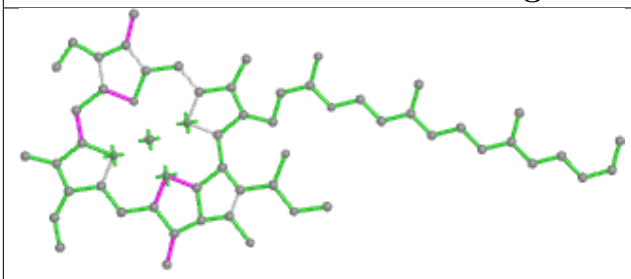


Torsions

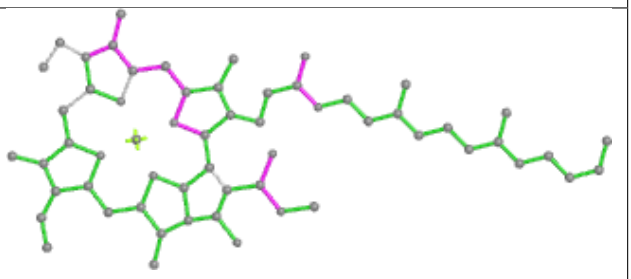


Rings

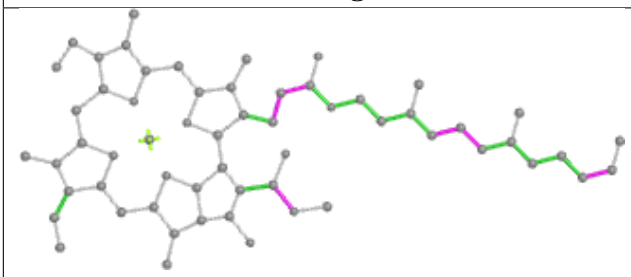
Ligand CLA A 816



Bond lengths



Bond angles



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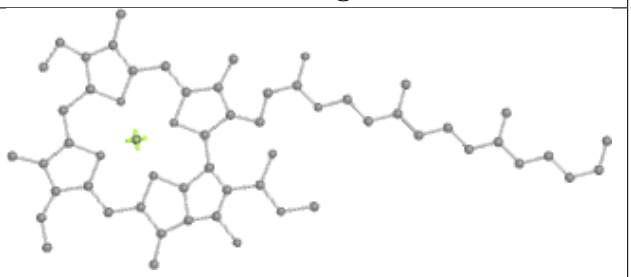
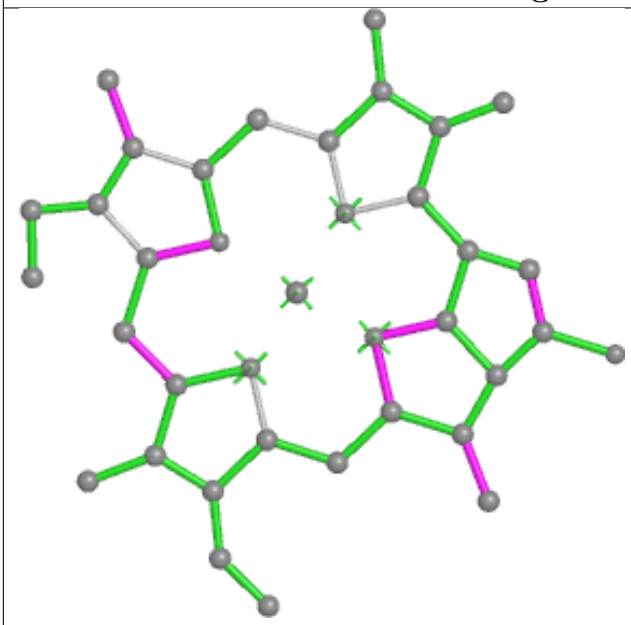
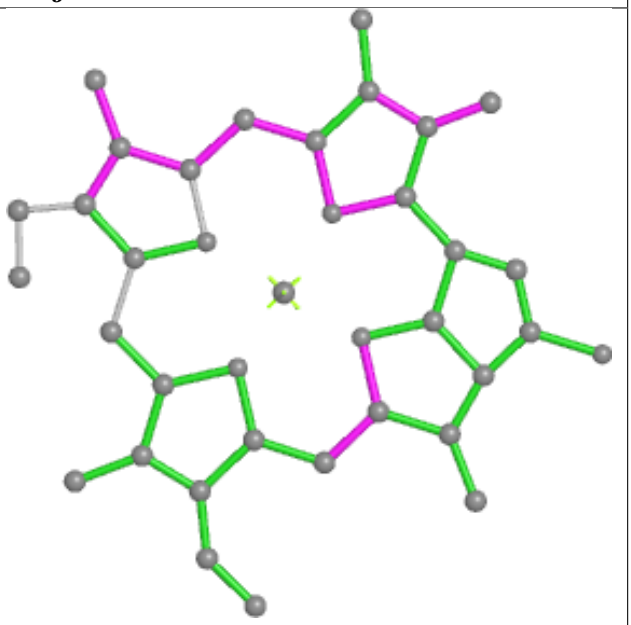


Rings

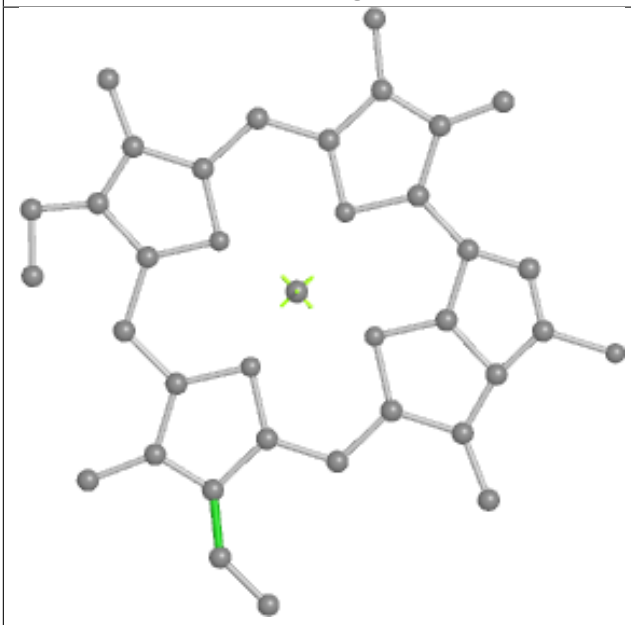
Ligand CLA j 102



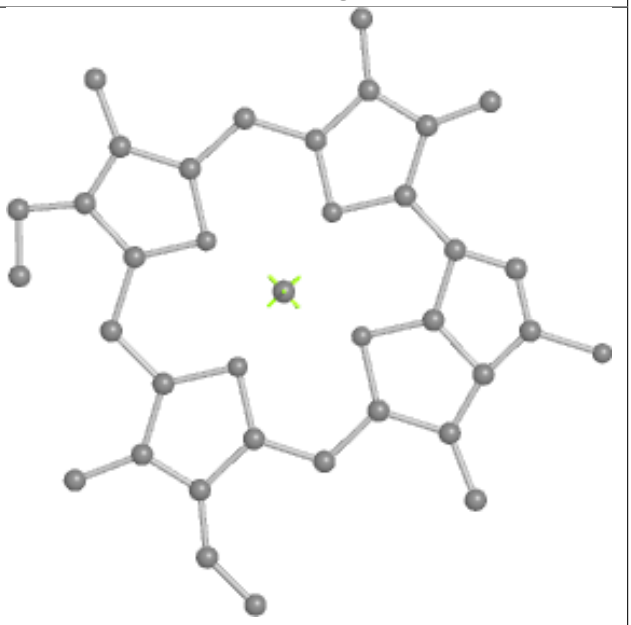
Bond lengths



Bond angles

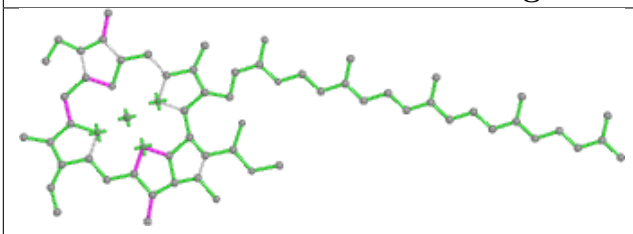


Torsions

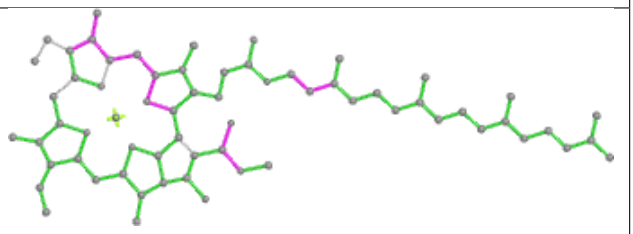


Rings

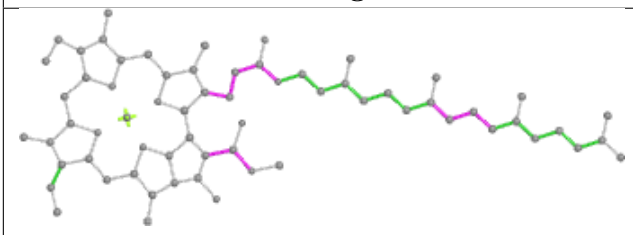
Ligand CLA G 827



Bond lengths



Bond angles



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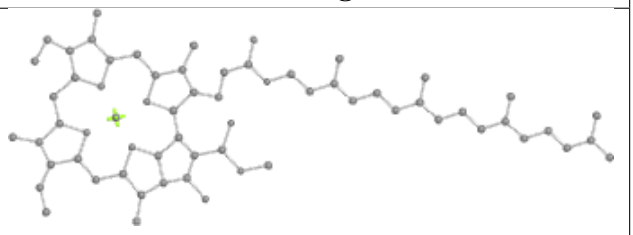
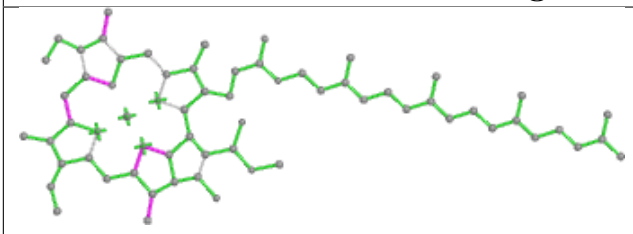
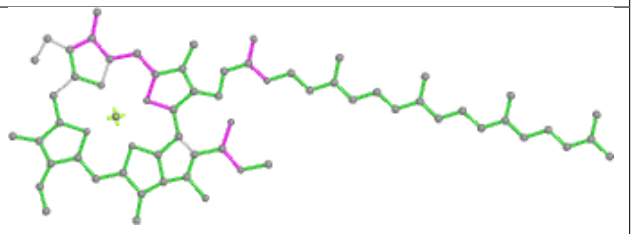


Rings

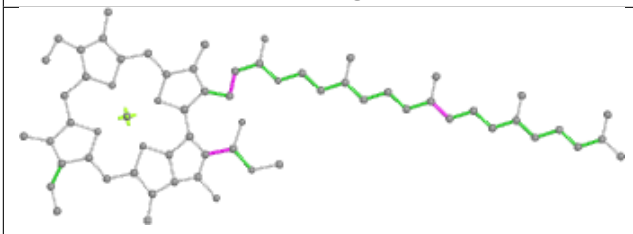
Ligand CLA a 839



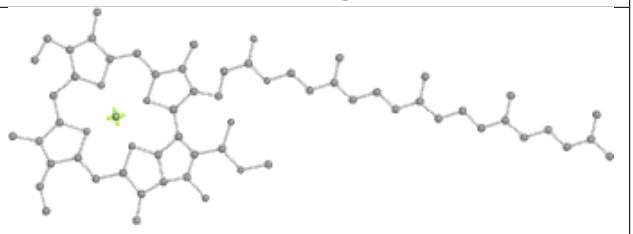
Bond lengths



Bond angles

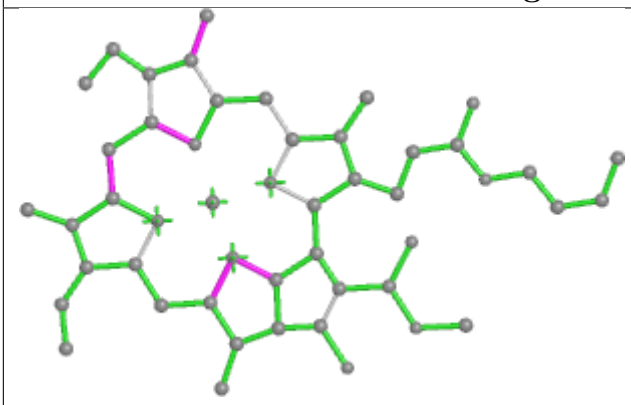


Torsions



Rings

Ligand CLA U 102



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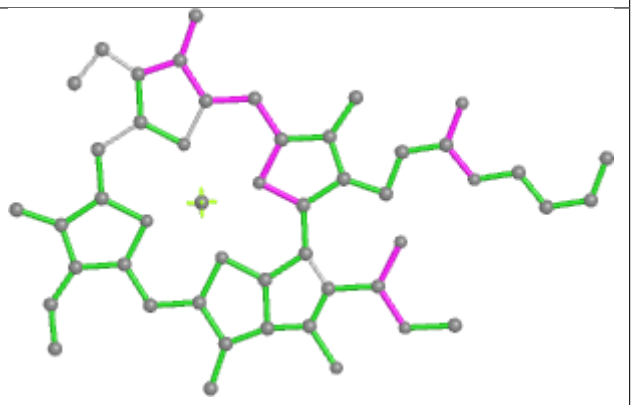
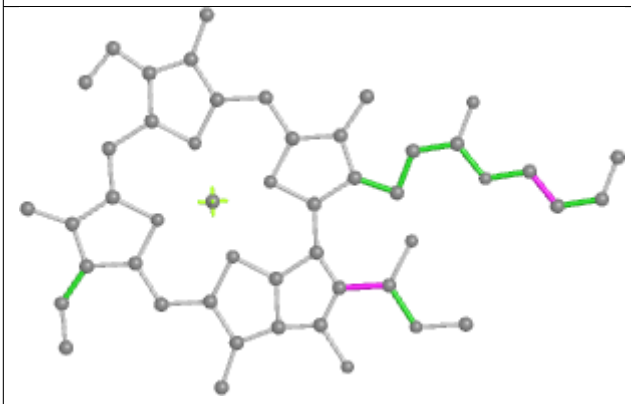
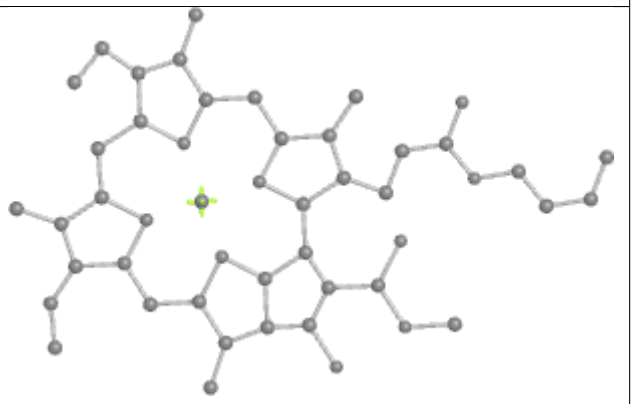


Bond angles

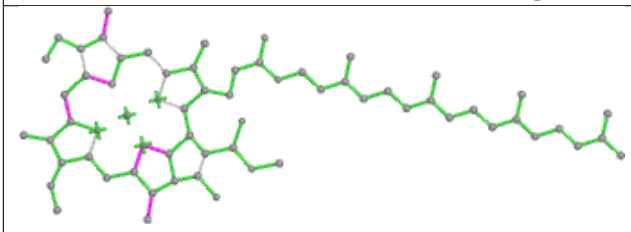


Torsions



Rings

Ligand CLA g 836



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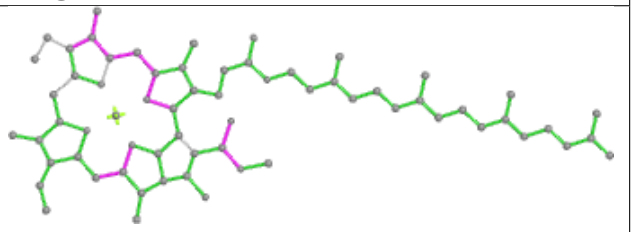
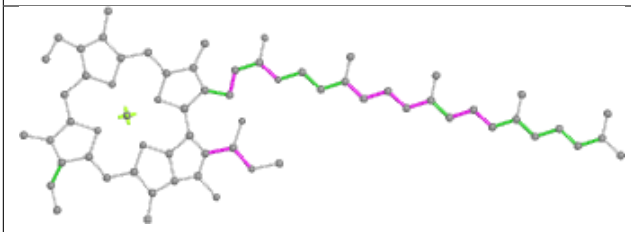
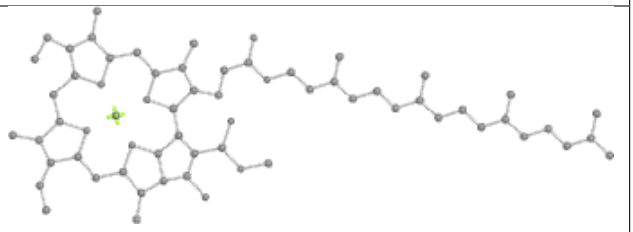


Bond angles

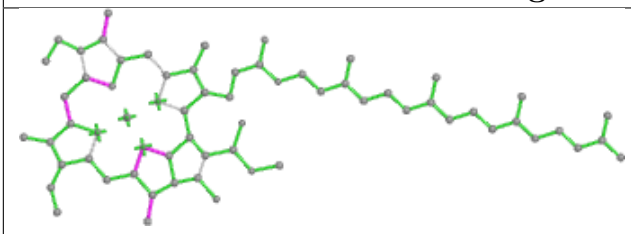


Torsions

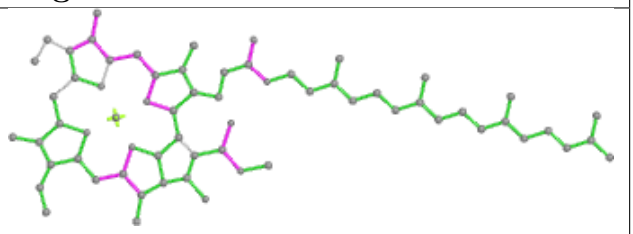


Rings

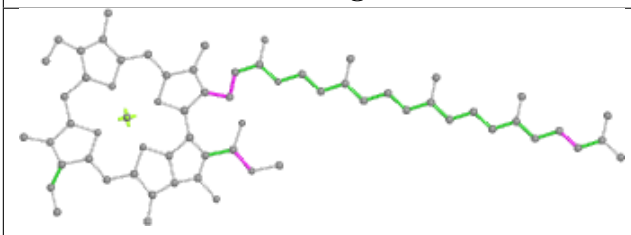
Ligand CLA g 853



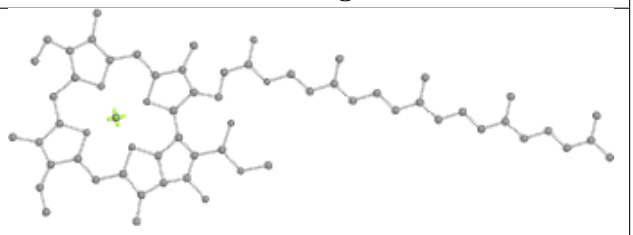
Bond lengths



Bond angles

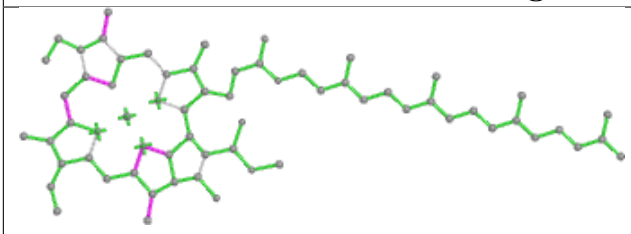


Torsions

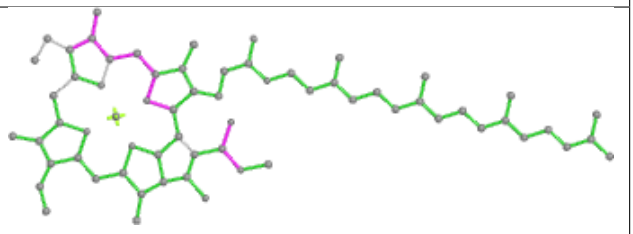


Rings

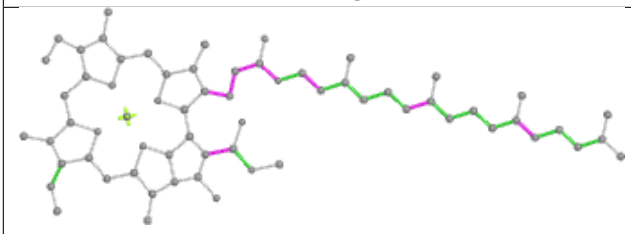
Ligand CLA b 818



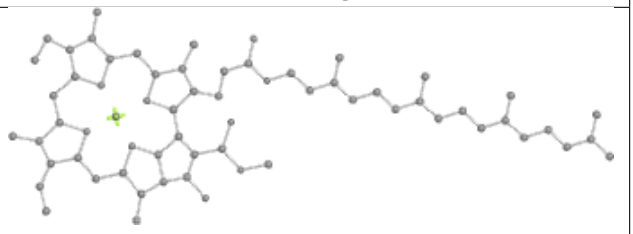
Bond lengths



Bond angles

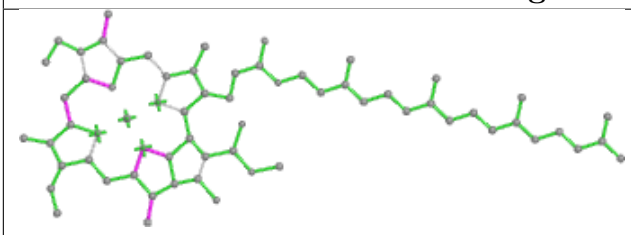


Torsions

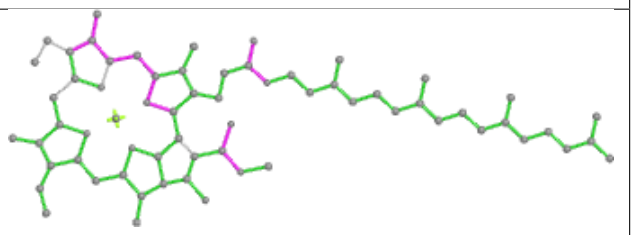


Rings

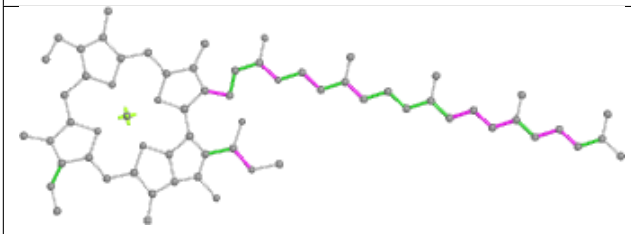
Ligand CLA a 830



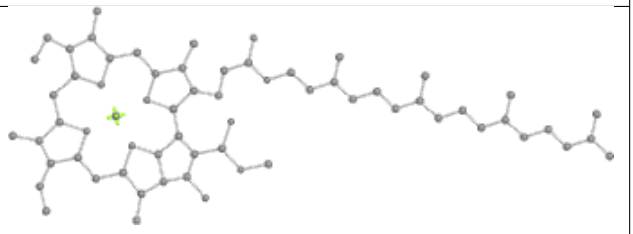
Bond lengths



Bond angles

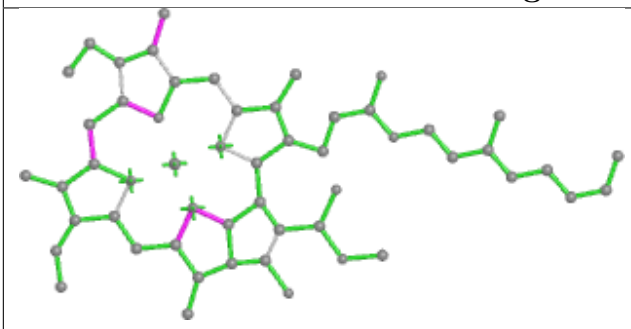


Torsions

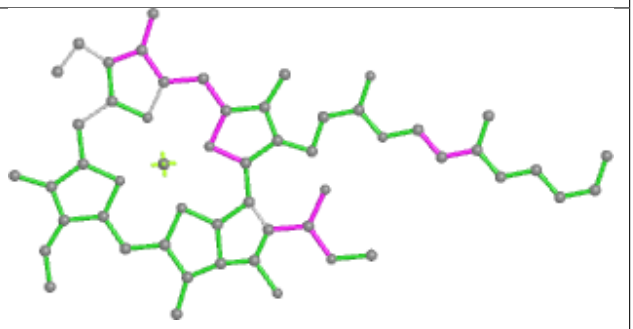


Rings

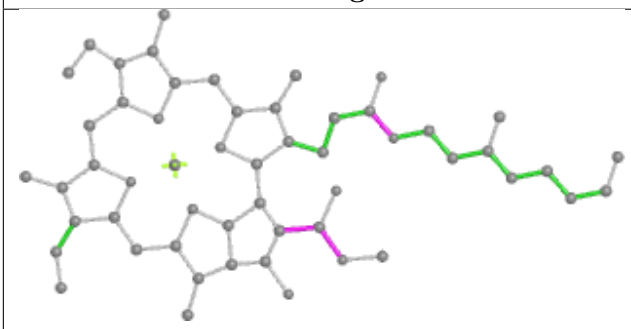
Ligand CLA N 813



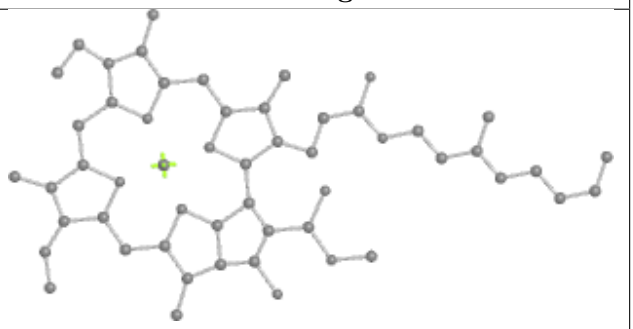
Bond lengths



Bond angles

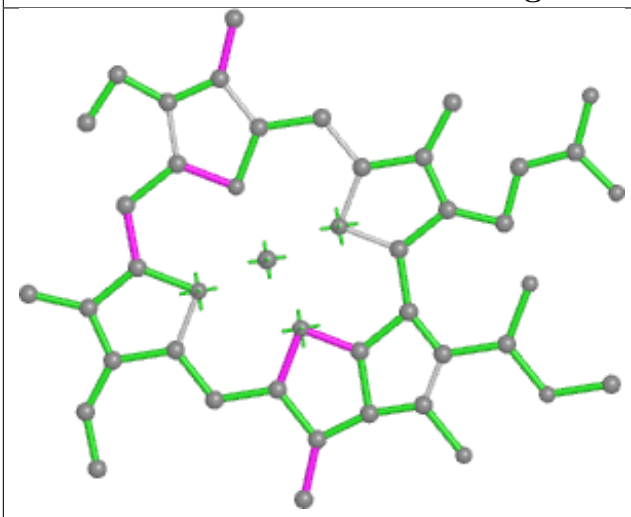


Torsions

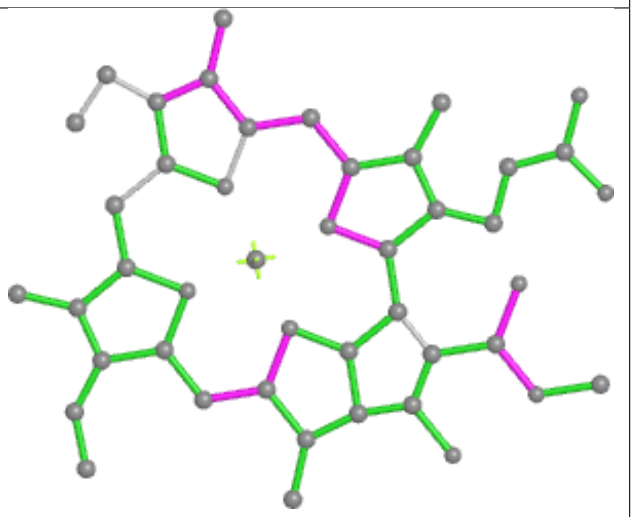


Rings

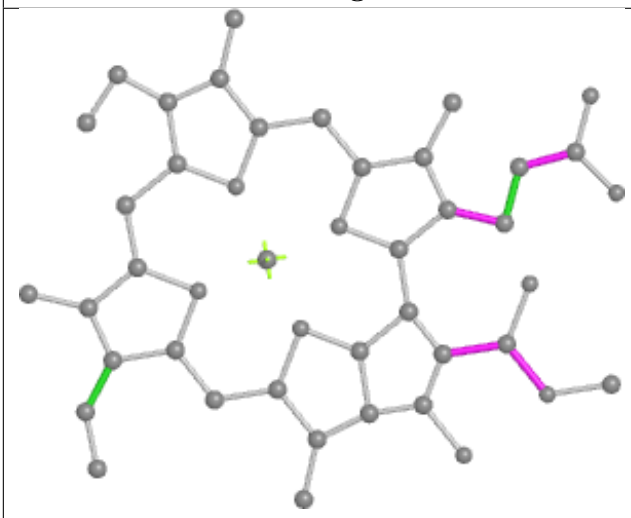
Ligand CLA B 835



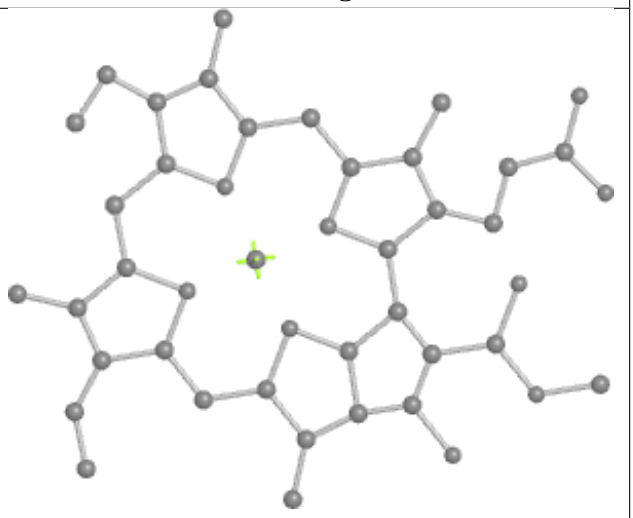
Bond lengths



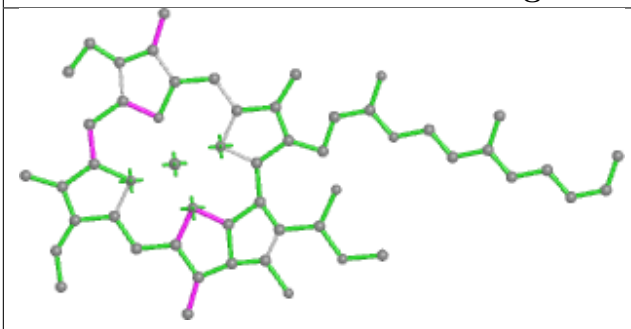
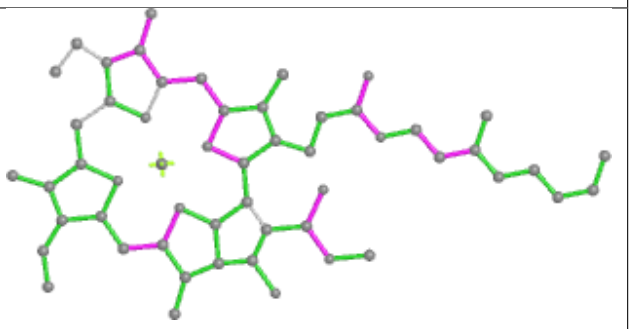
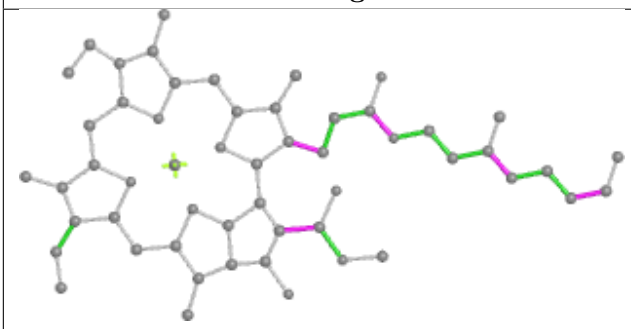
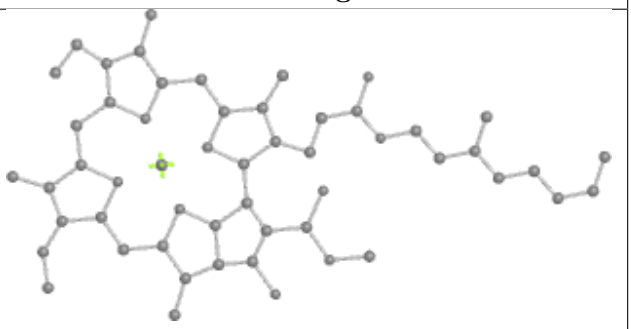
Bond angles

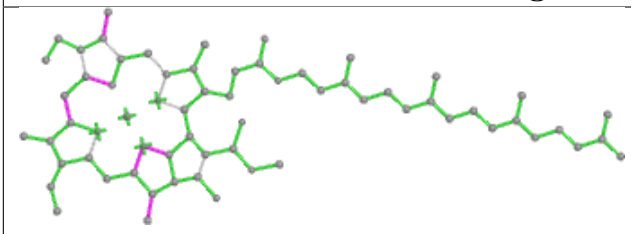
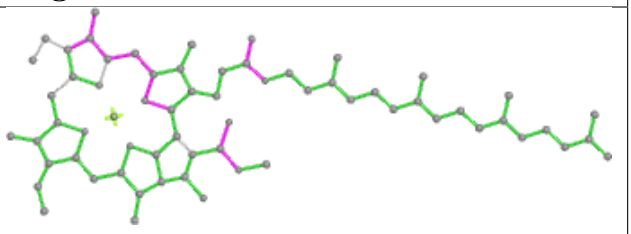
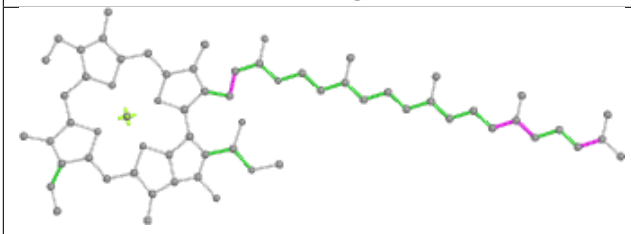
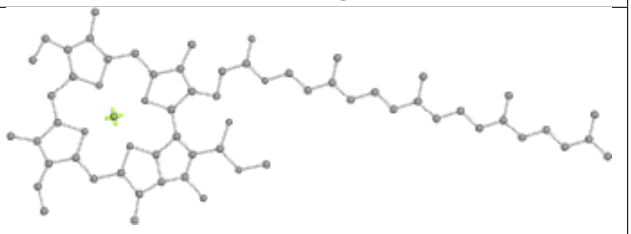


Torsions

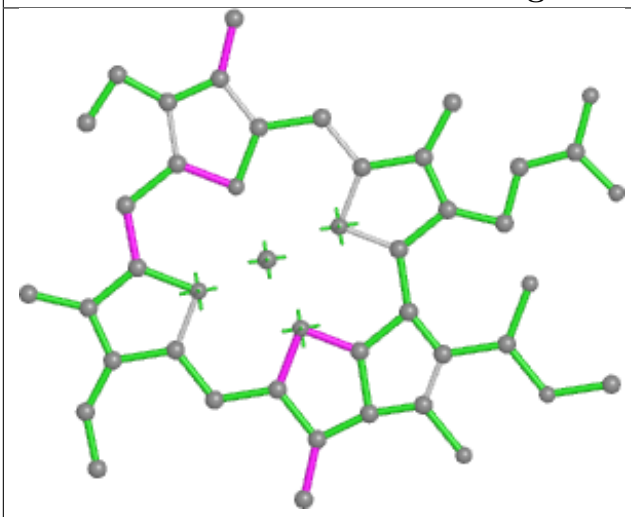


Rings

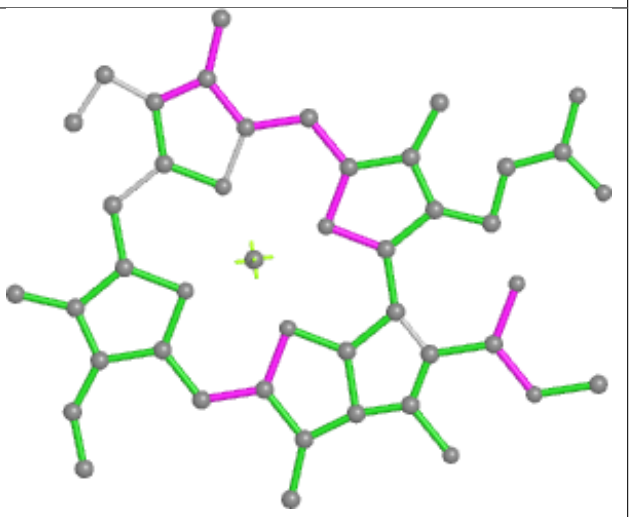
Ligand CLA A 825	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA g 839	
	
Bond lengths	Bond angles
	
Torsions	Rings

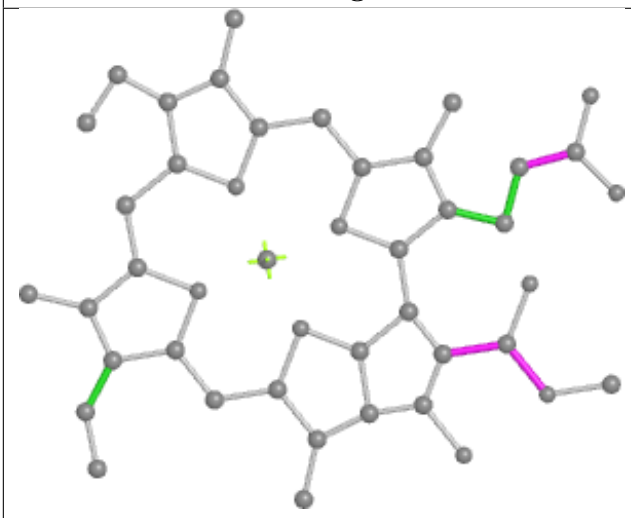
Ligand CLA n 835



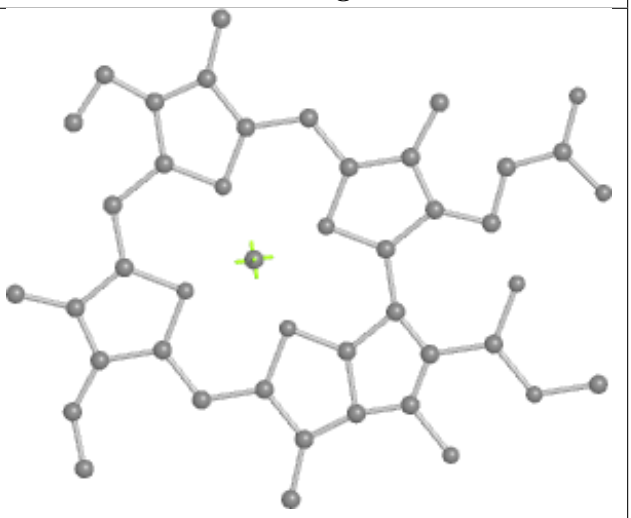
Bond lengths



Bond angles

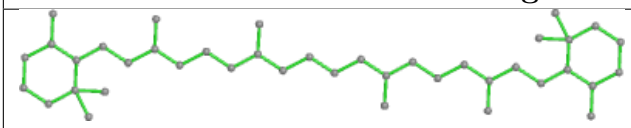


Torsions

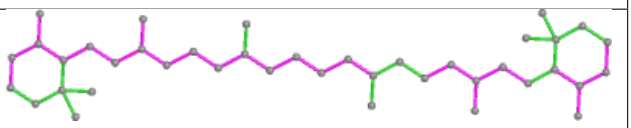


Rings

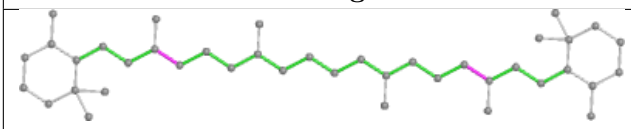
Ligand BCR N 846



Bond lengths



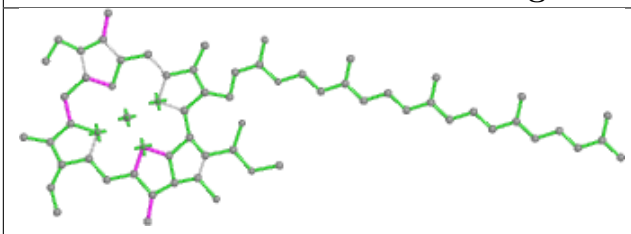
Bond angles



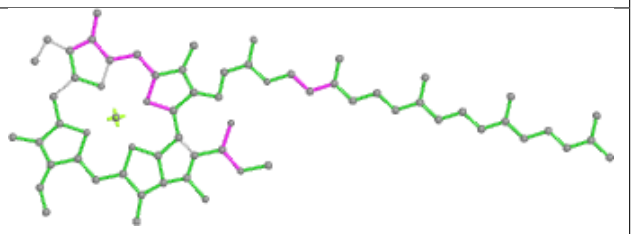
Torsions

Rings

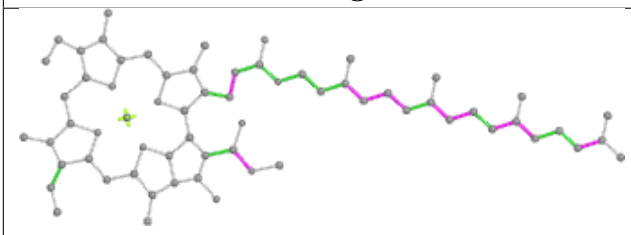
Ligand CLA a 826



Bond lengths



Bond angles



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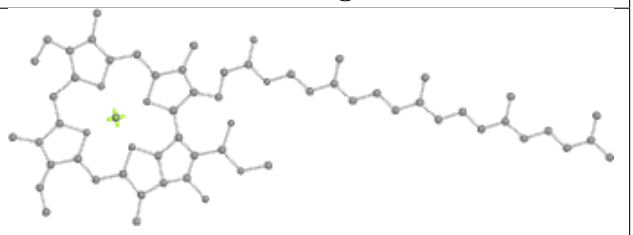
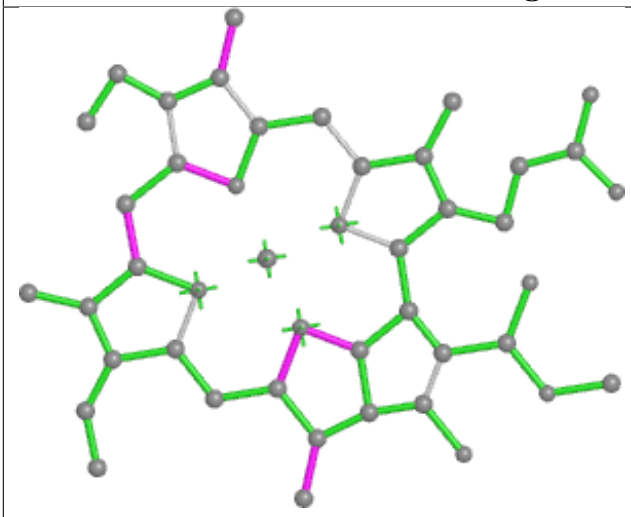
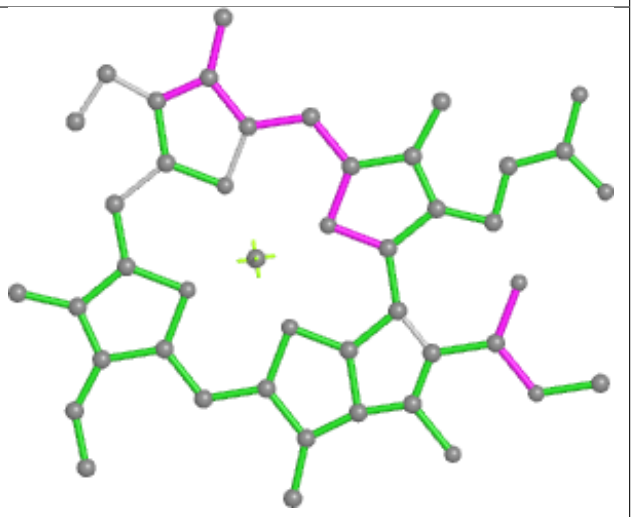


Rings

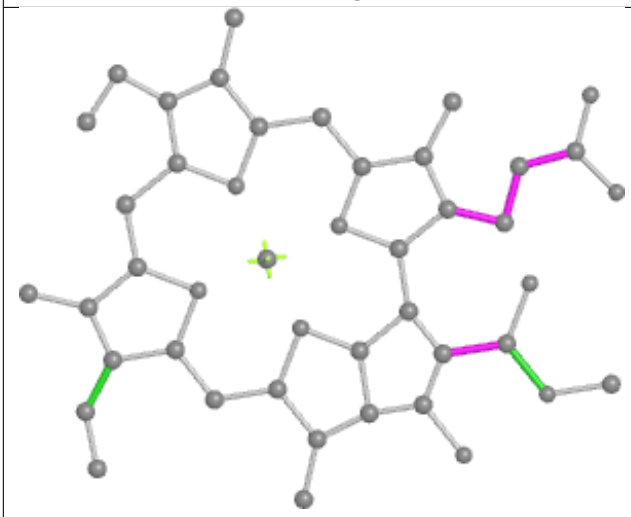
Ligand CLA N 822



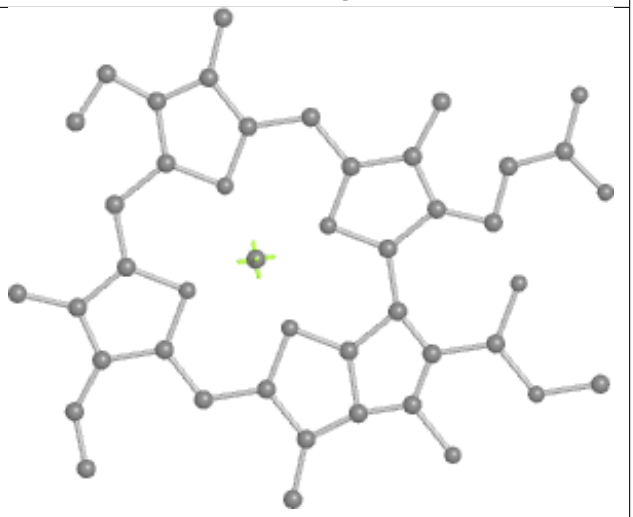
Bond lengths



Bond angles

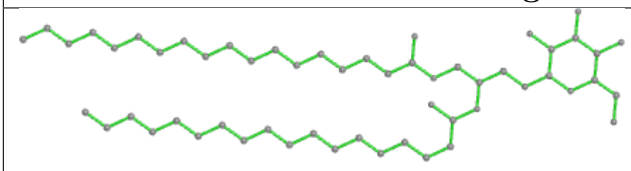


Torsions

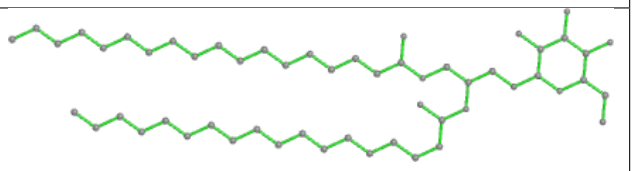


Rings

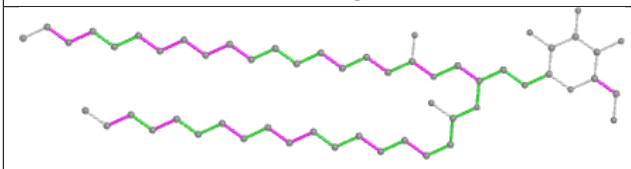
Ligand LMG b 849



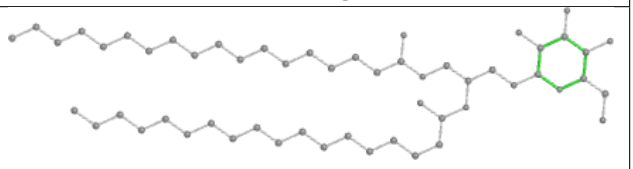
Bond lengths



Bond angles

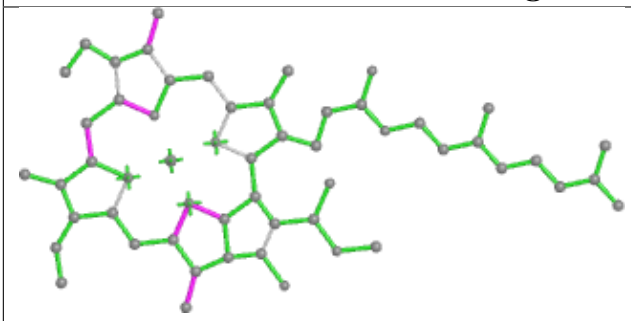


Torsions



Rings

Ligand CLA B 823



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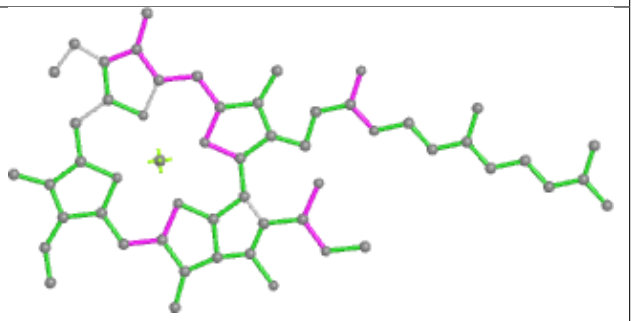
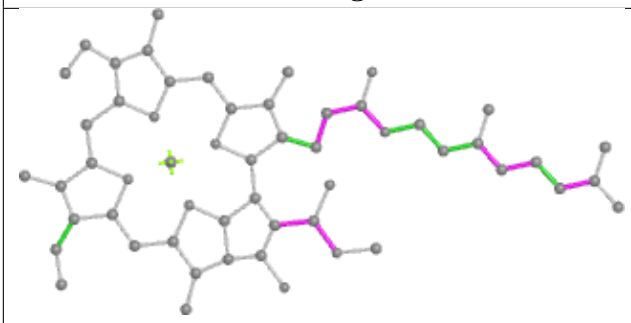


Bond angles



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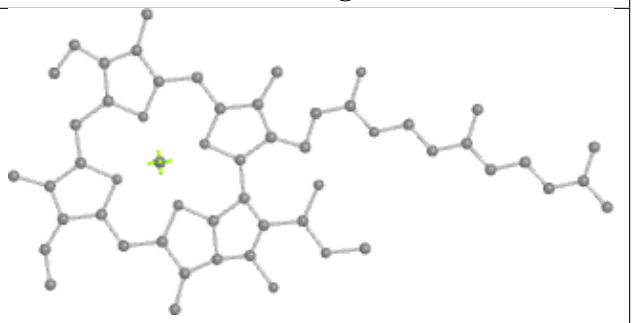
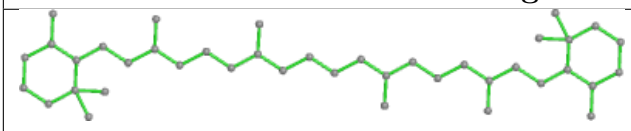


Rings

Ligand BCR N 848



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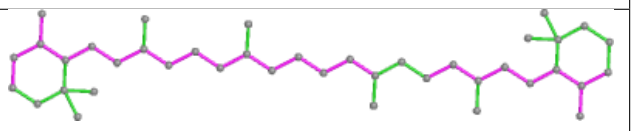
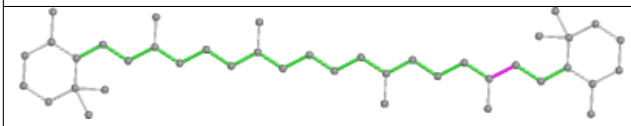
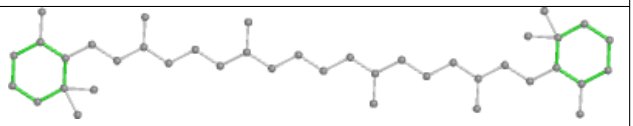


Bond angles

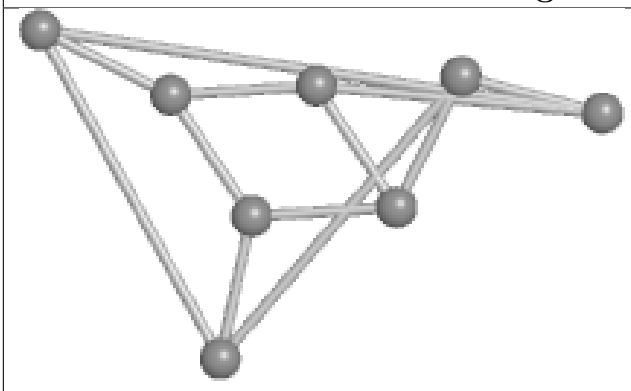


Torsions

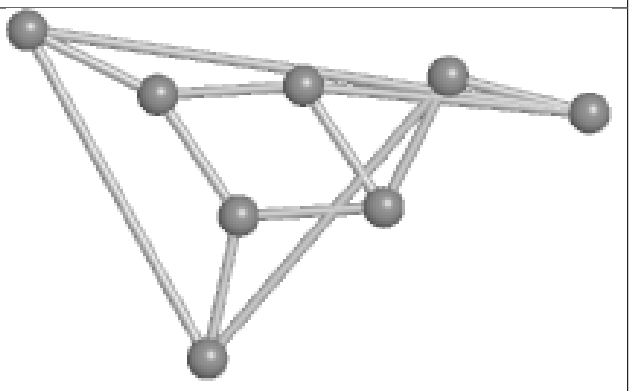


Rings

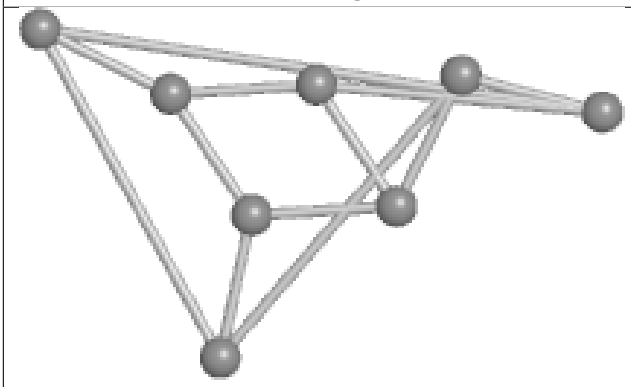
Ligand SF4 c 101



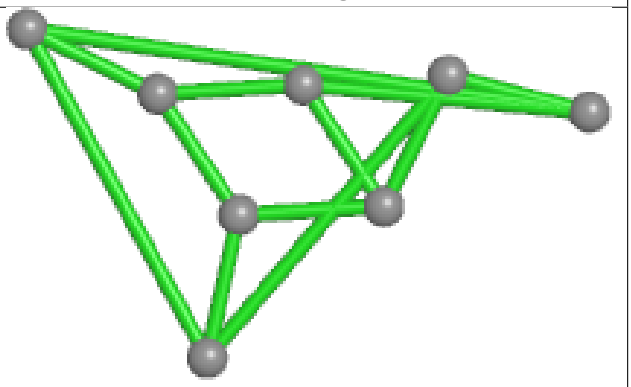
Bond lengths



Bond angles

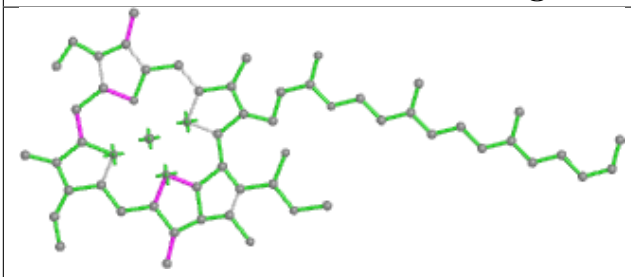


Torsions

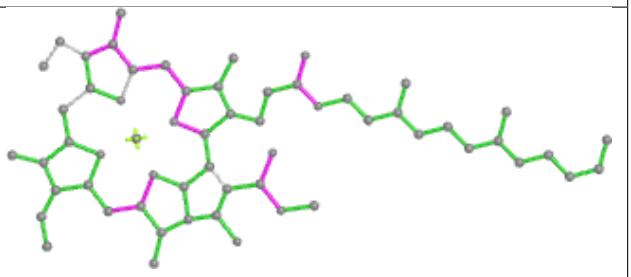


Rings

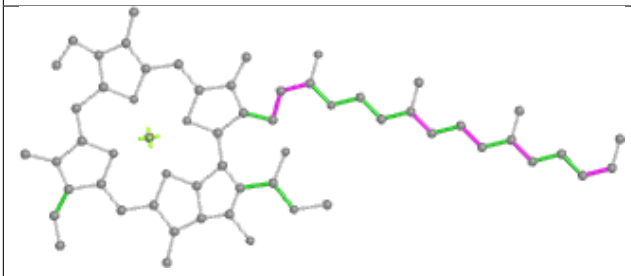
Ligand CLA a 815



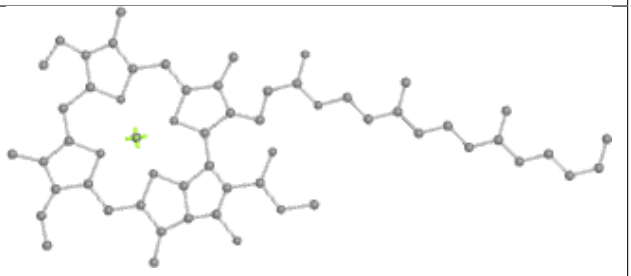
Bond lengths



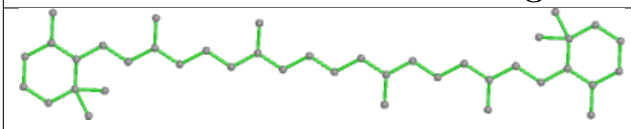
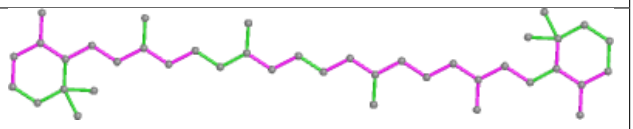
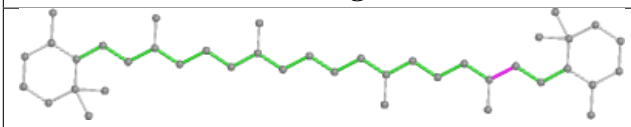
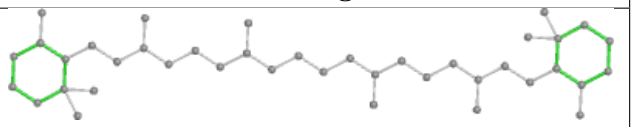
Bond angles

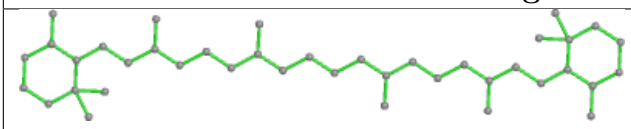
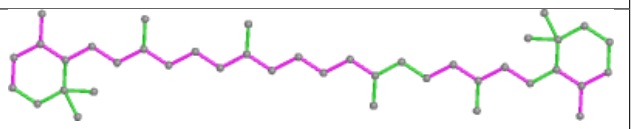
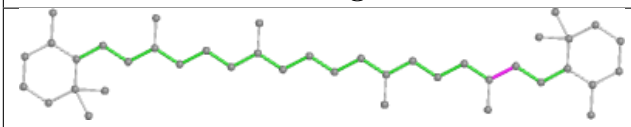
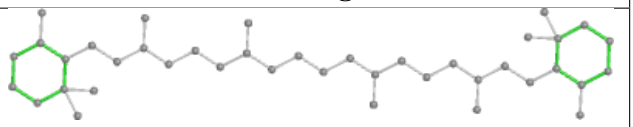


Torsions

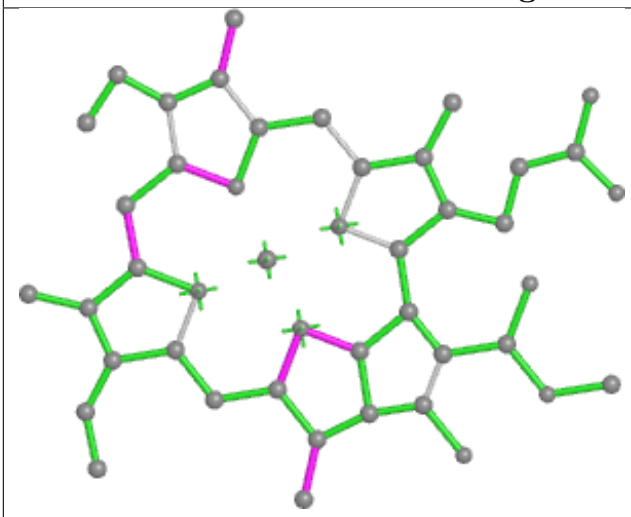


Rings

Ligand BCR n 842	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR B 847	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA W 204



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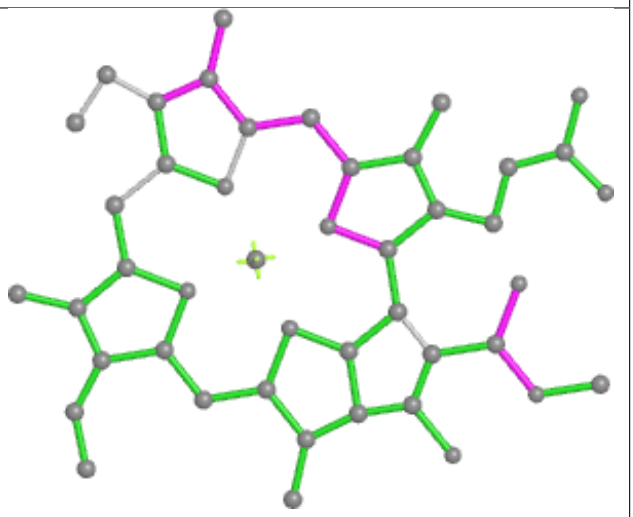
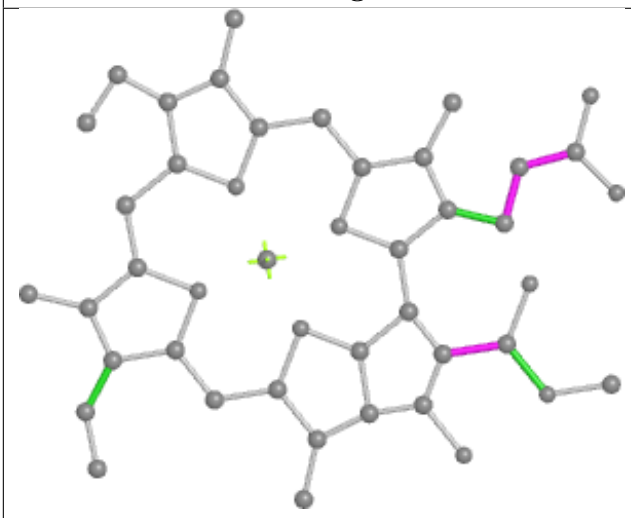
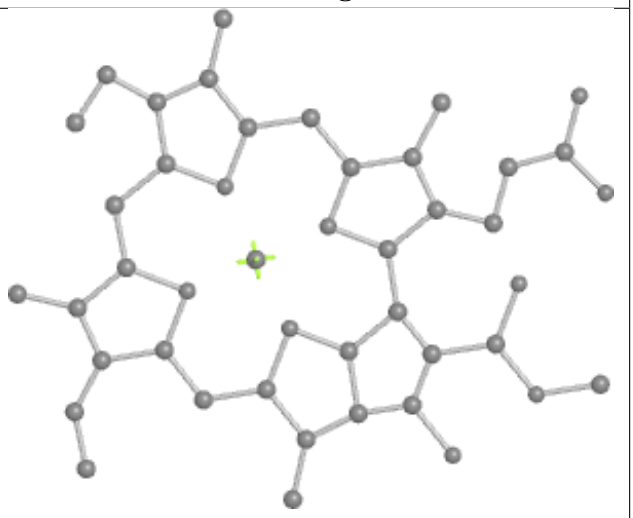


Bond angles

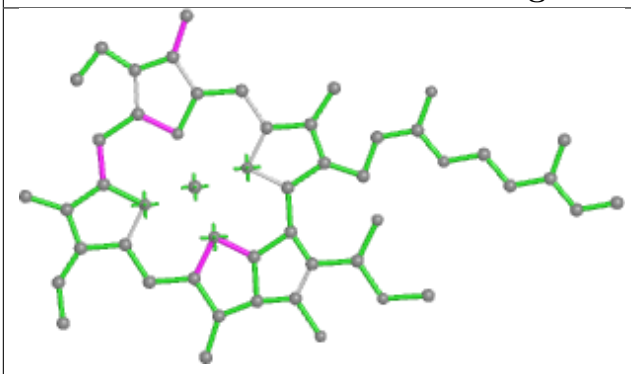


Torsions



Rings

Ligand CLA g 835



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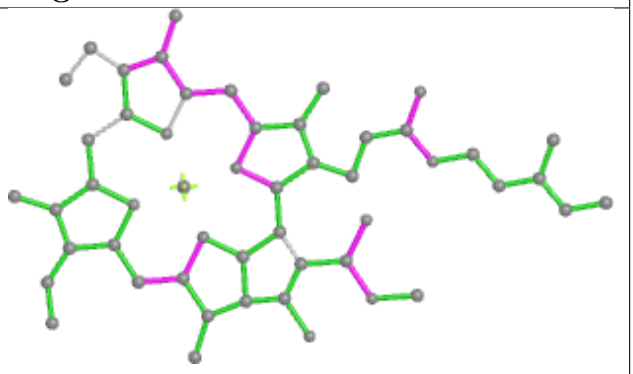

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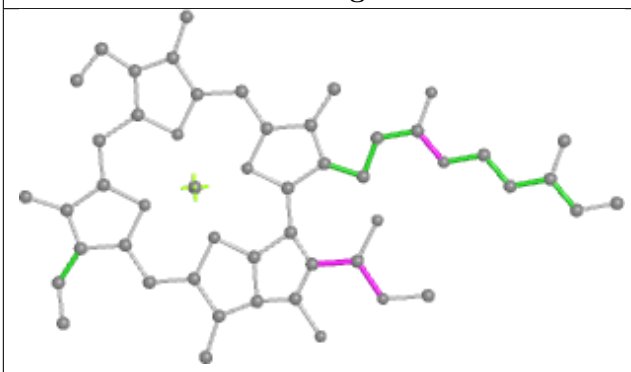
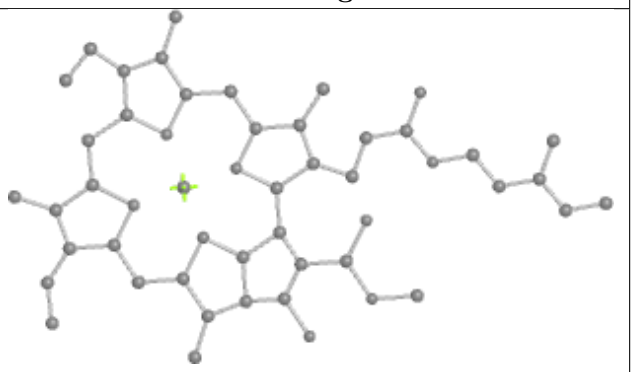
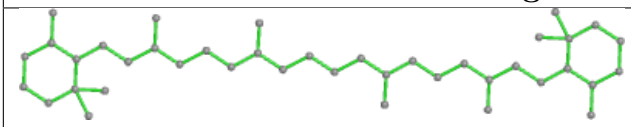


Torsions



Rings

Ligand BCR B 848



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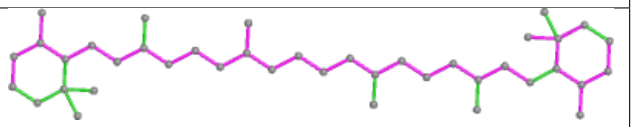
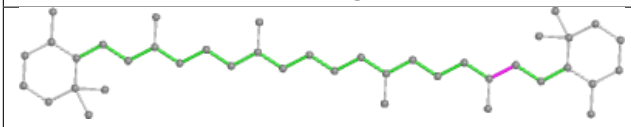


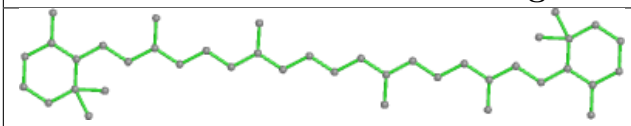
Bond angles



Torsions

Rings

Ligand BCR t 103



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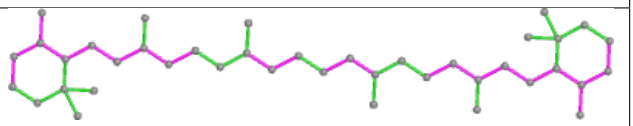
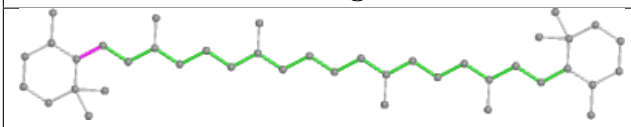
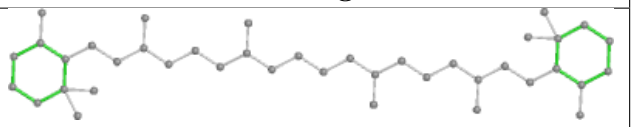


Bond angles

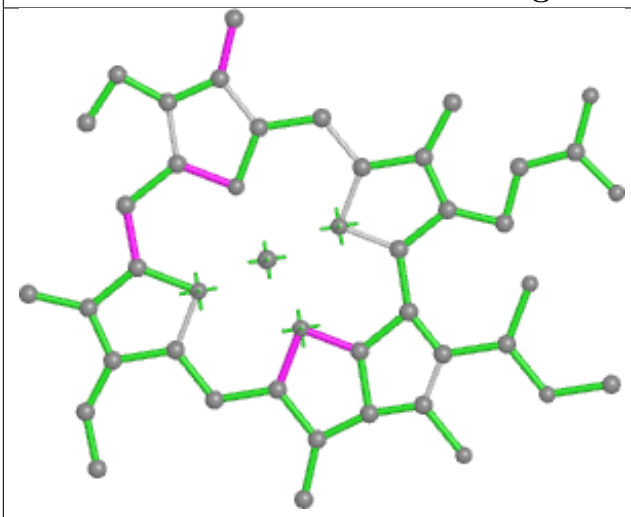


Torsions



Rings

Ligand CLA l 202



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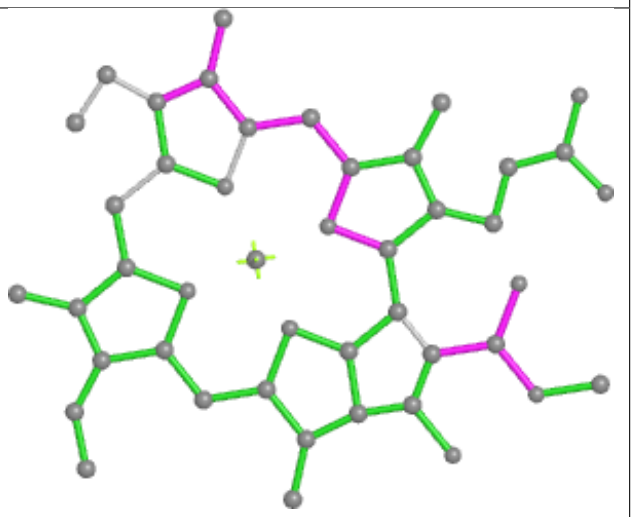
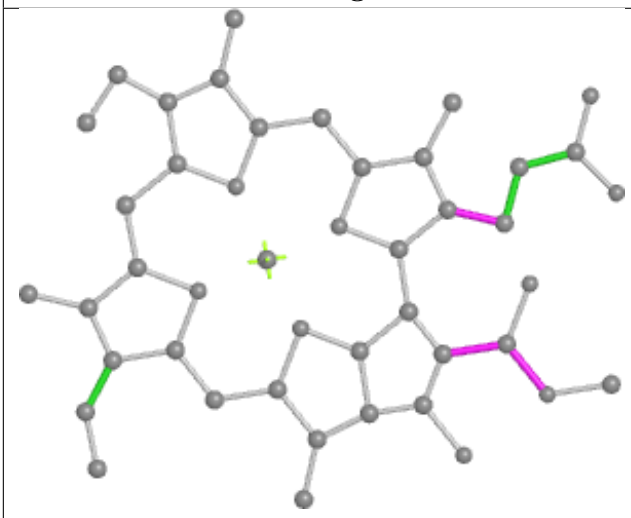


Bond angles



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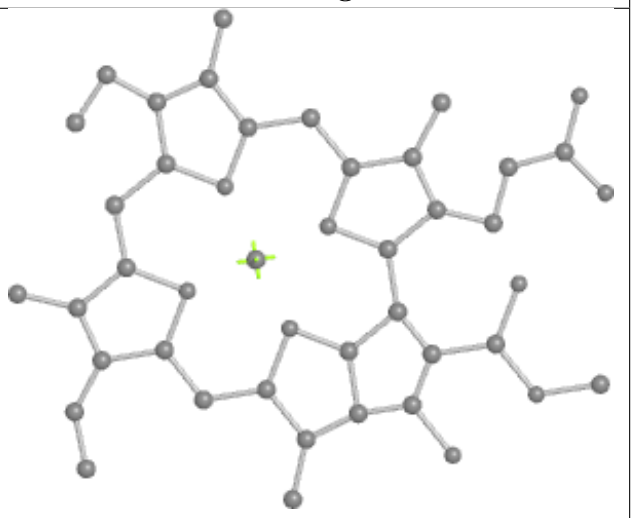
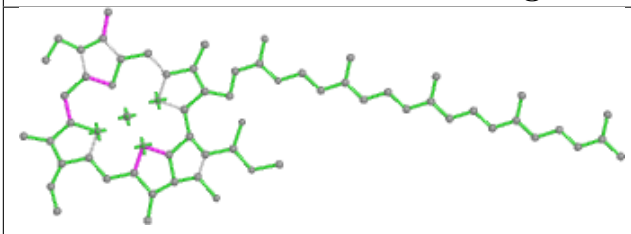


Rings

Ligand CLA N 803



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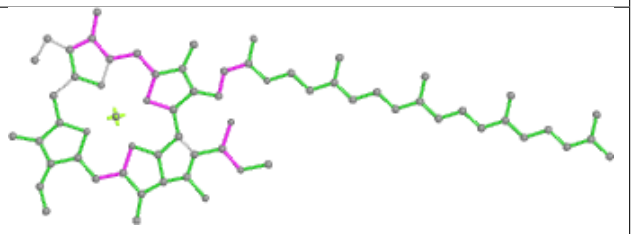
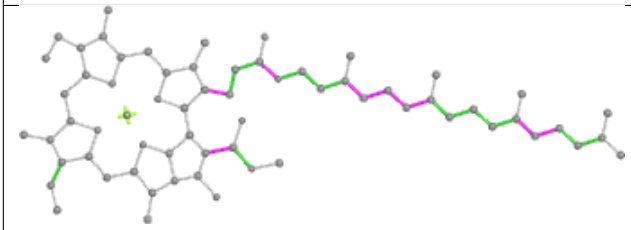


Bond angles



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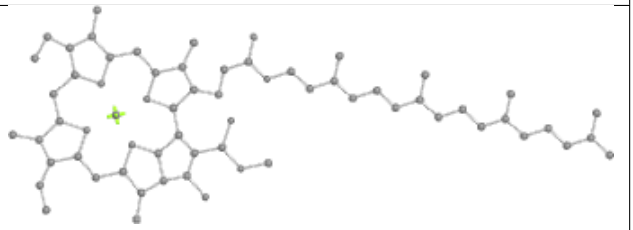
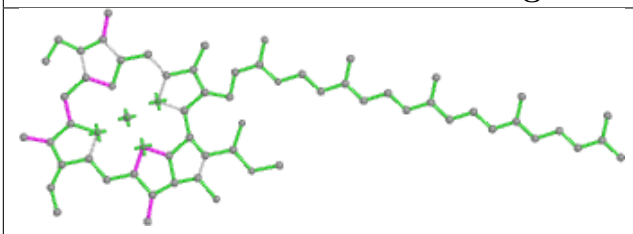


Rings

Ligand CLA N 815



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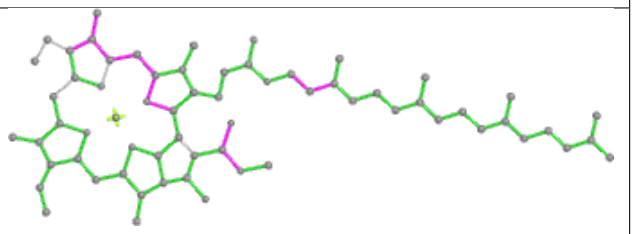
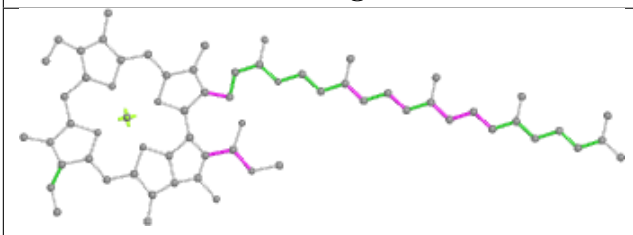
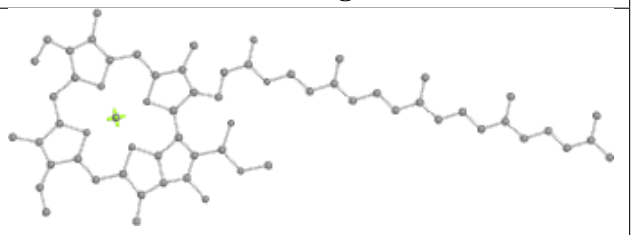


Bond angles

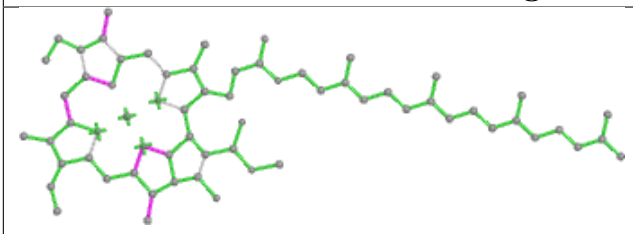


Torsions



Rings

Ligand CLA G 839



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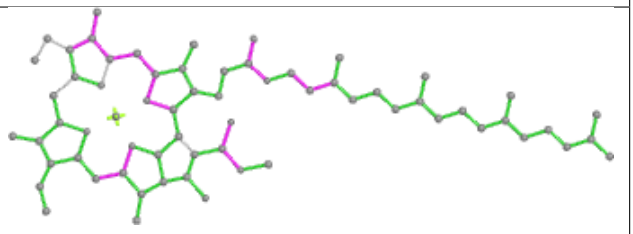
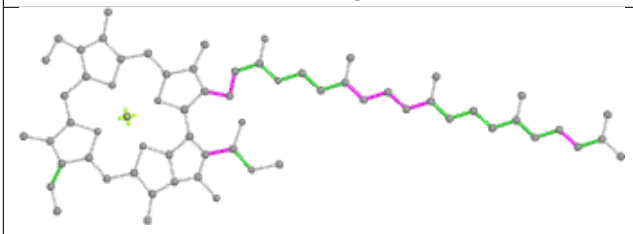
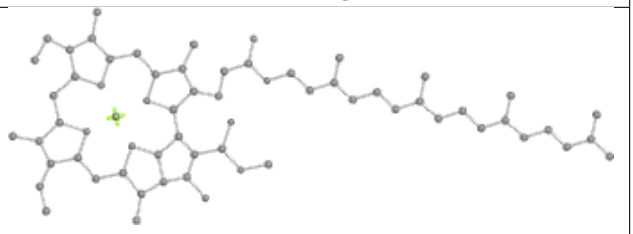


Bond angles

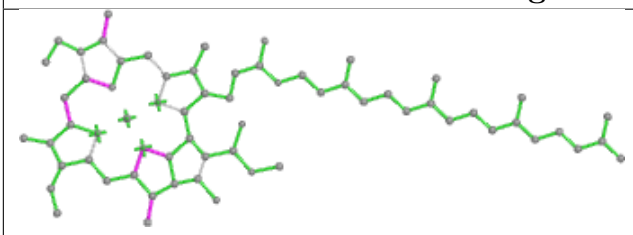


Torsions



Rings

Ligand CLA g 823



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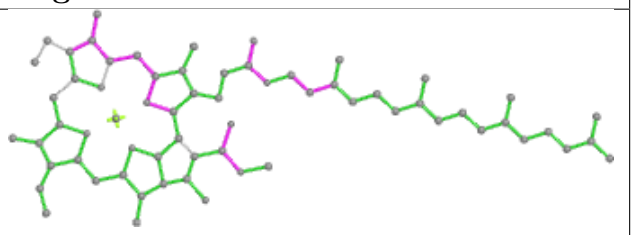
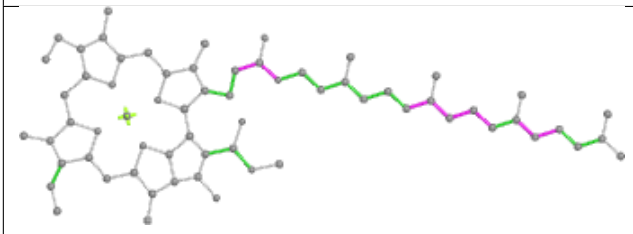


Bond angles



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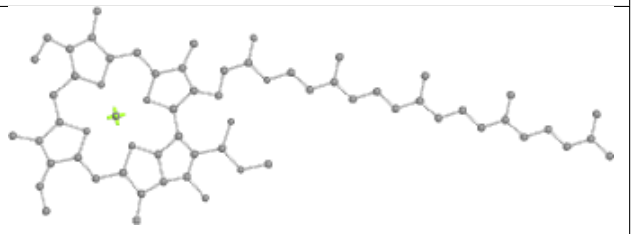
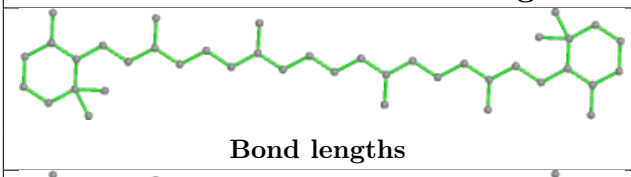
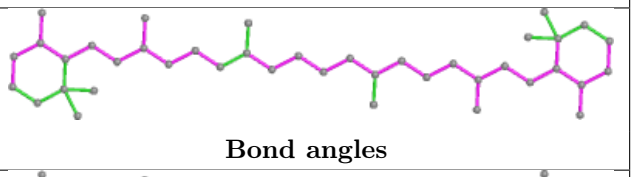


Rings

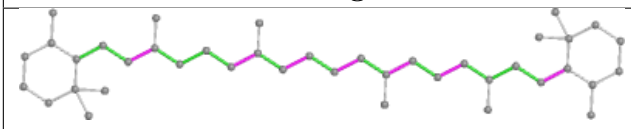
Ligand BCR W 201



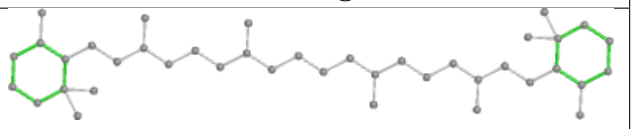
Bond lengths



Bond angles

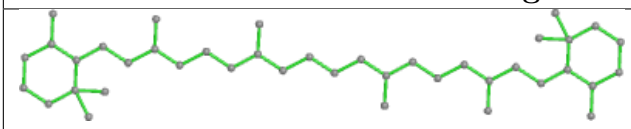


Torsions



Rings

Ligand BCR B 852



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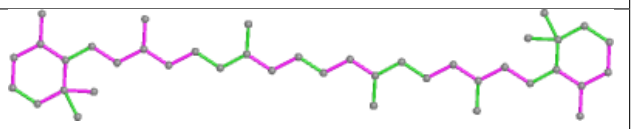
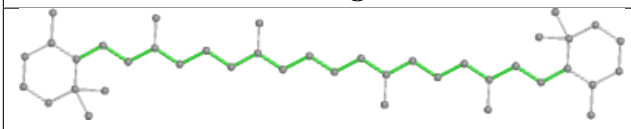


Bond angles



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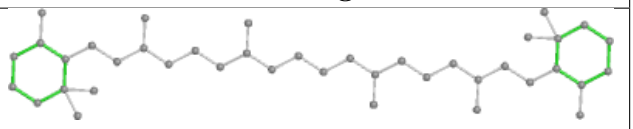
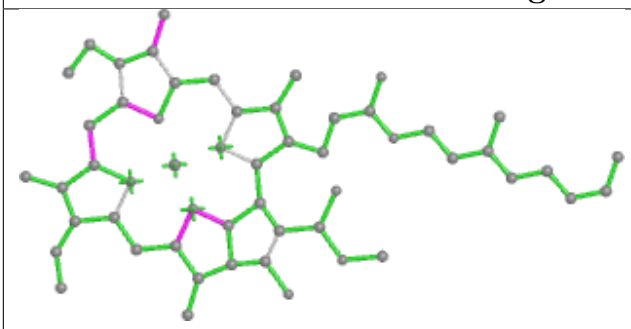
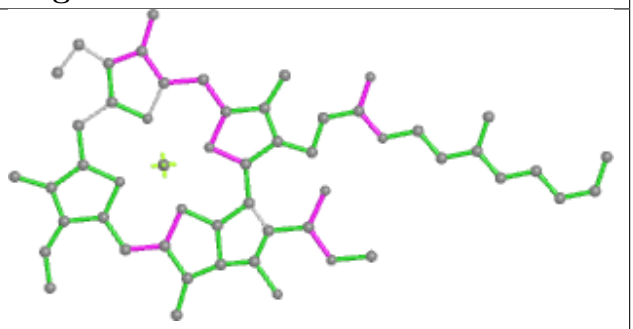


Rings

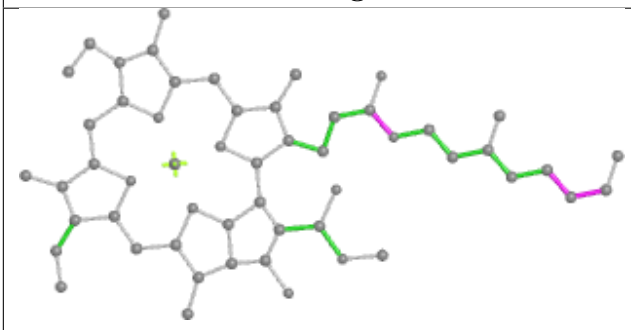
Ligand CLA g 829



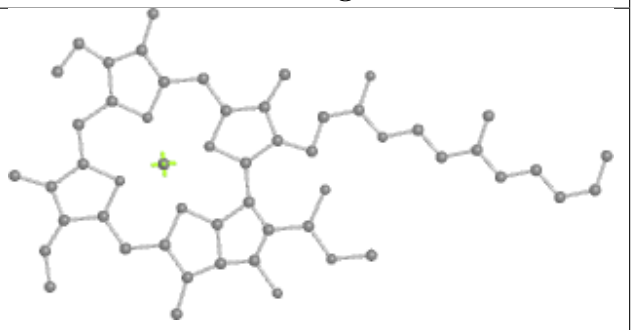
Bond lengths



Bond angles

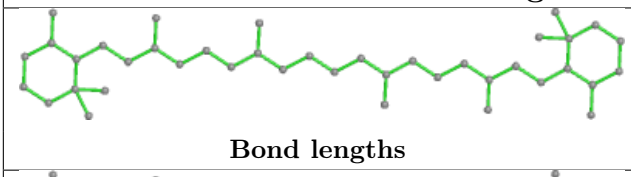


Torsions

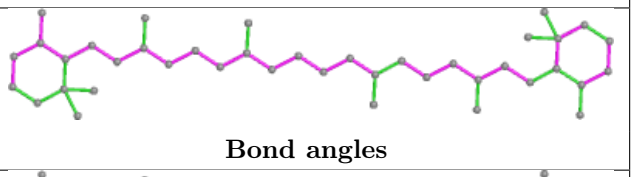


Rings

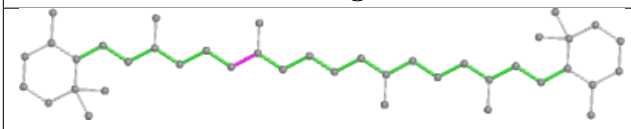
Ligand BCR a 843



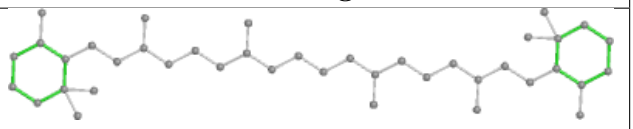
Bond lengths



Bond angles

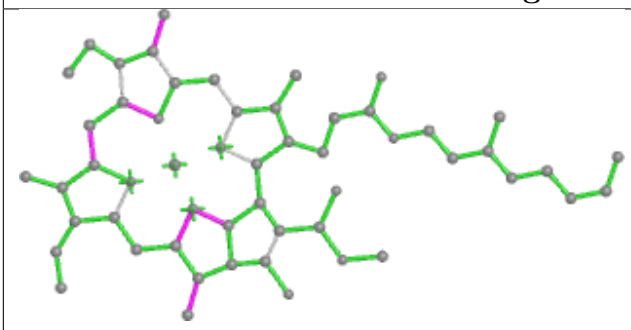


Torsions

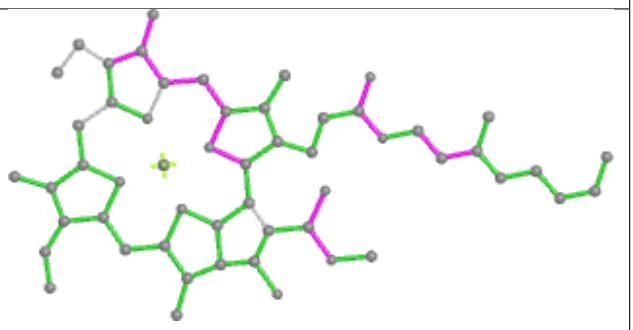


Rings

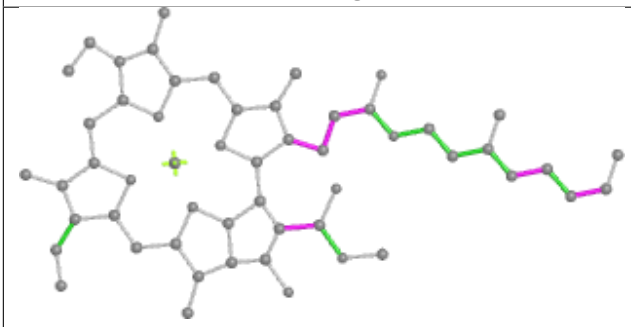
Ligand CLA G 830



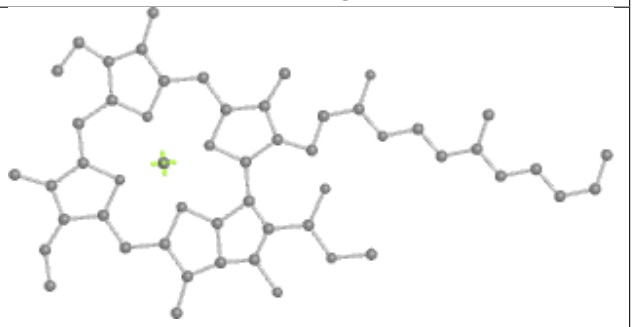
Bond lengths



Bond angles

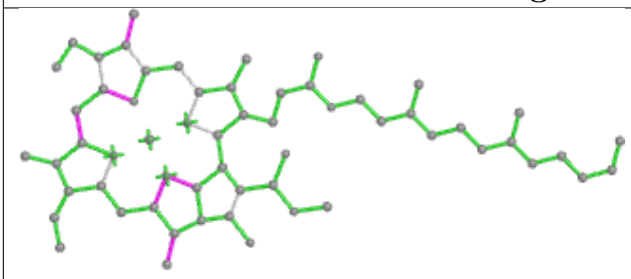


Torsions



Rings

Ligand CLA s 201



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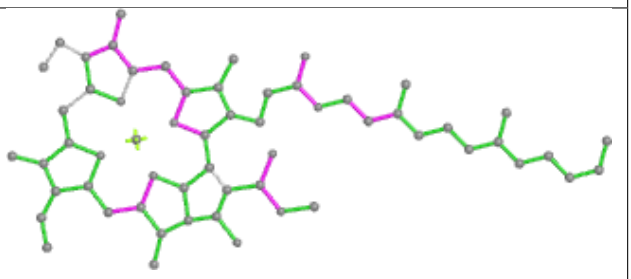
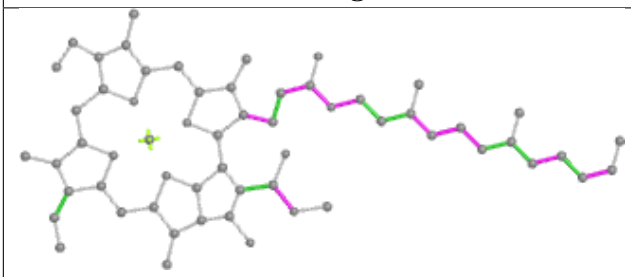
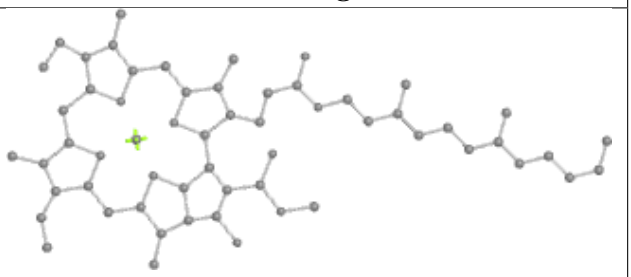


Bond angles

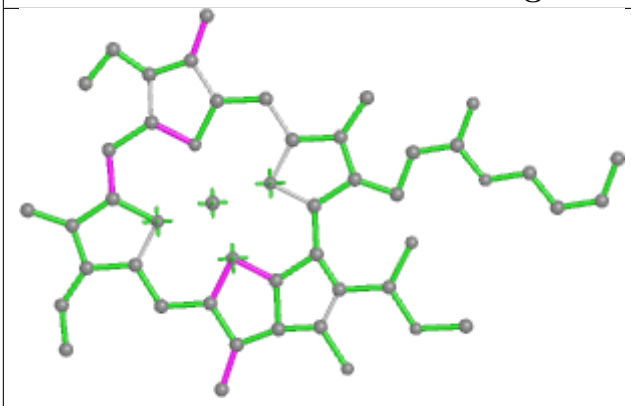


Torsions



Rings

Ligand CLA B 816



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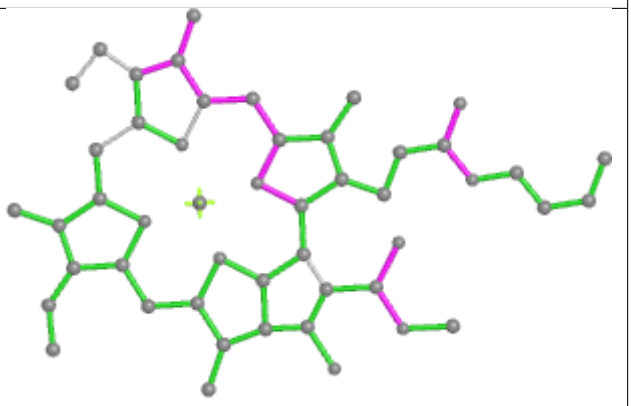
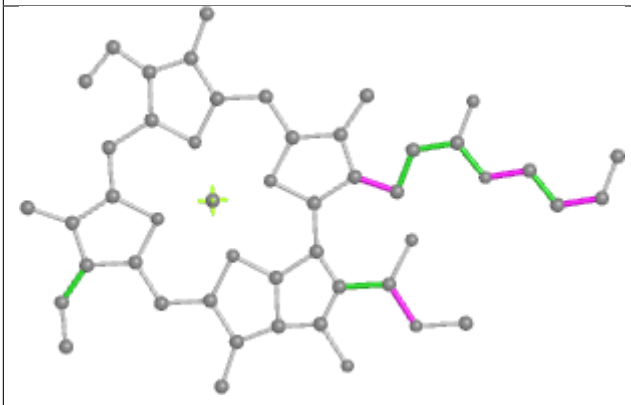


Bond angles



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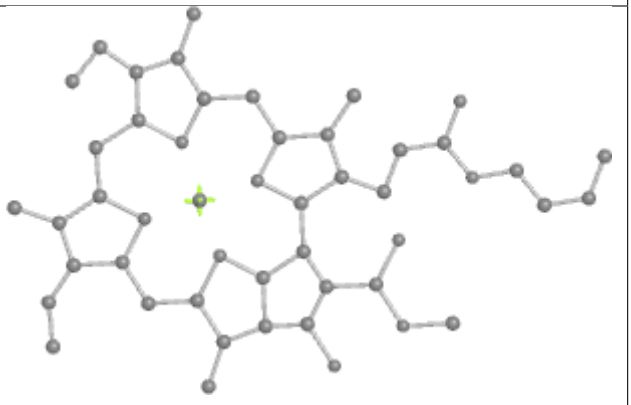
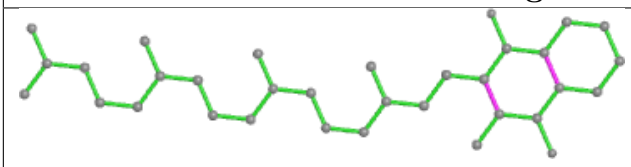


Rings

Ligand PQN g 841



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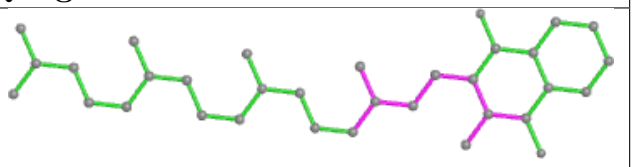
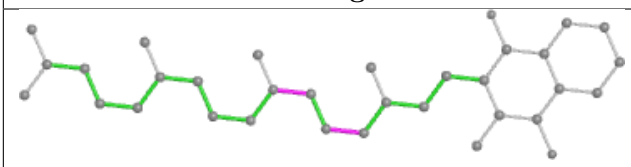


Bond angles



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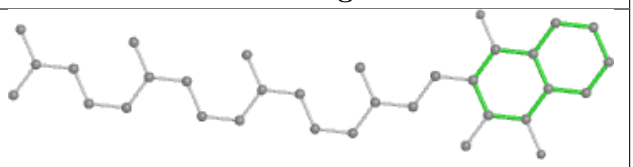
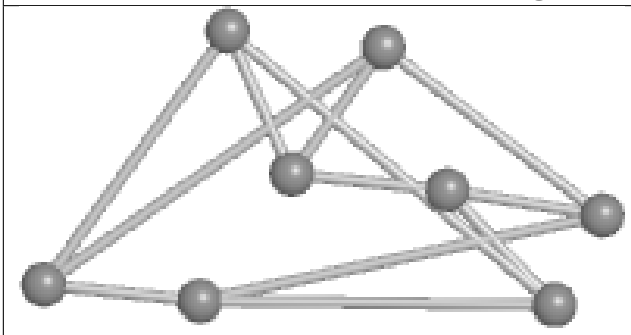


Rings

Ligand SF4 G 842



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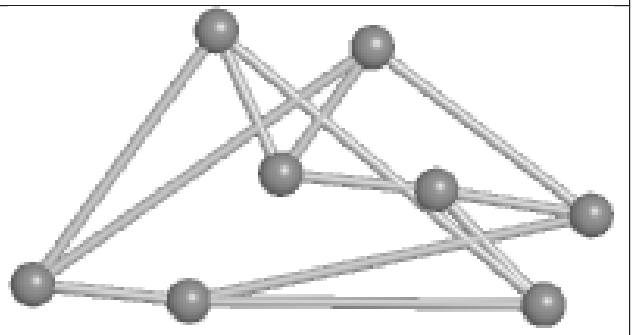
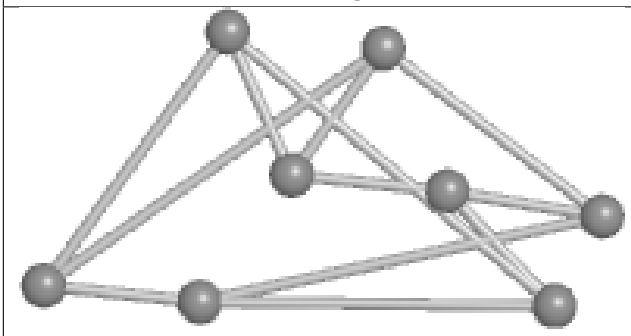


Bond angles



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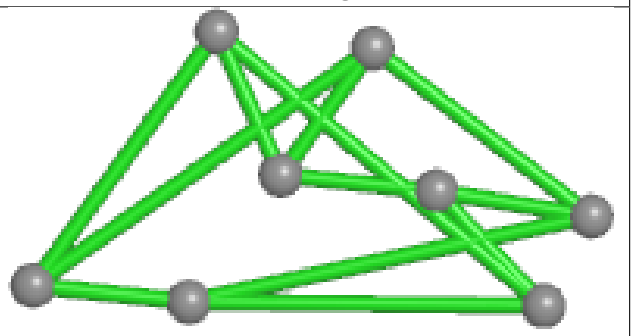
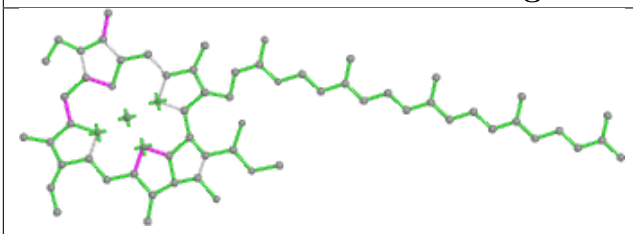


Rings

Ligand CLA A 818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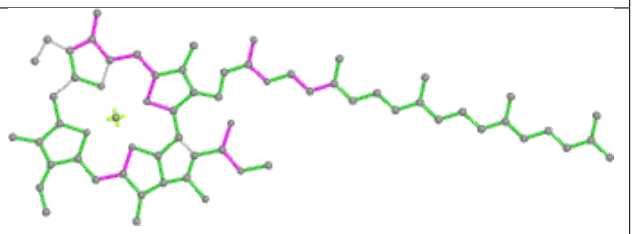
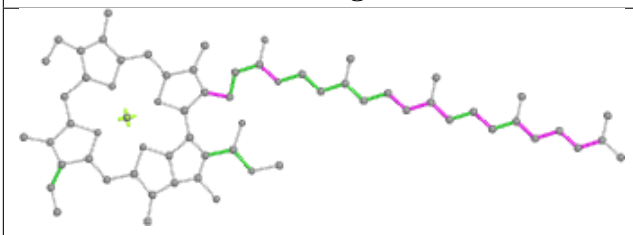

Bond angles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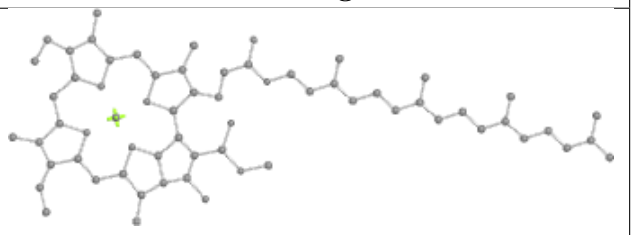
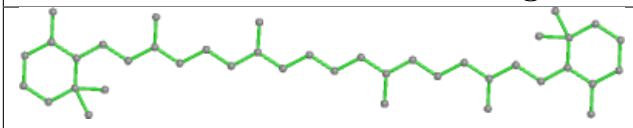

Rings

Ligand BCR V 101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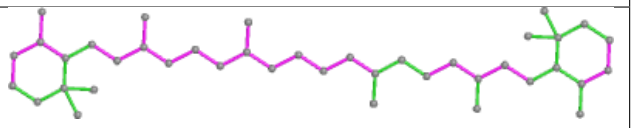
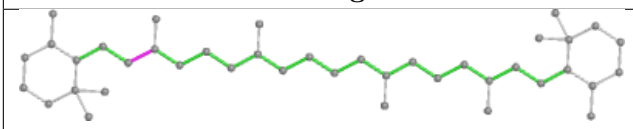

Bond angles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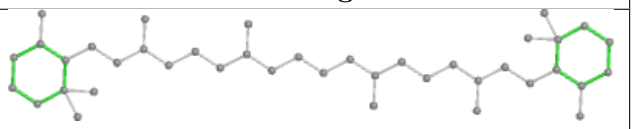
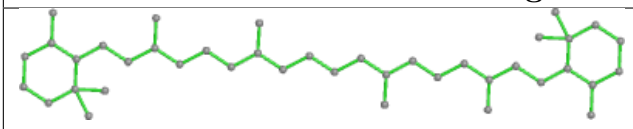
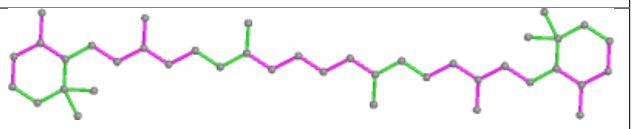
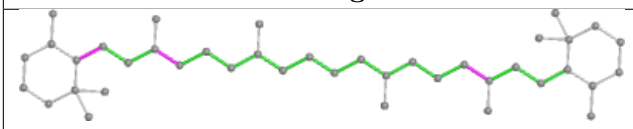
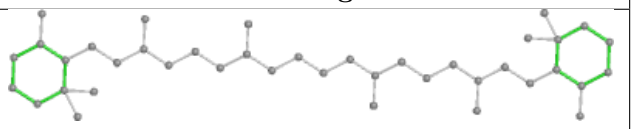

Rings

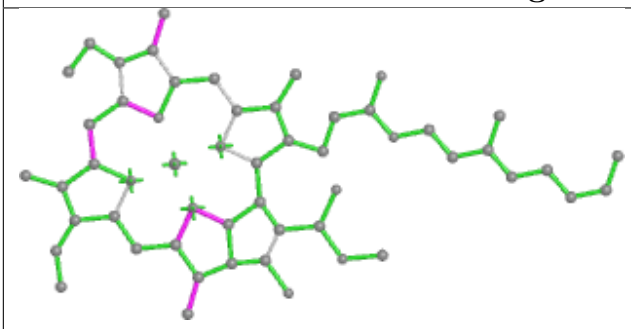
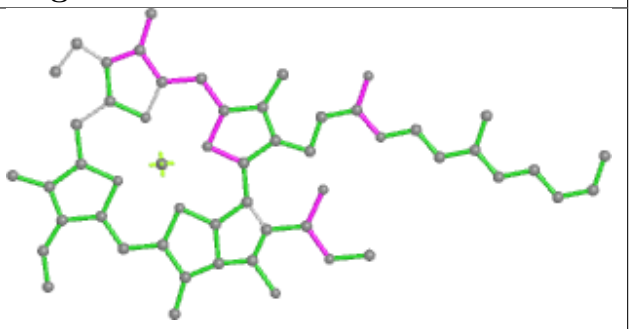
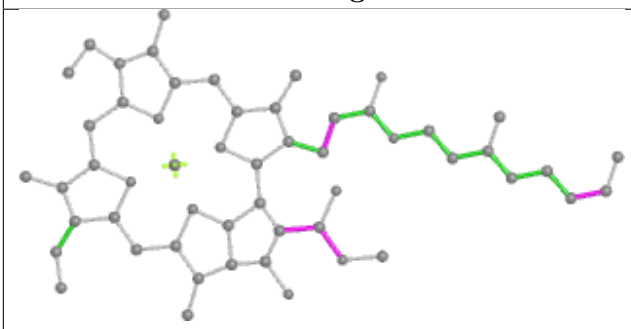
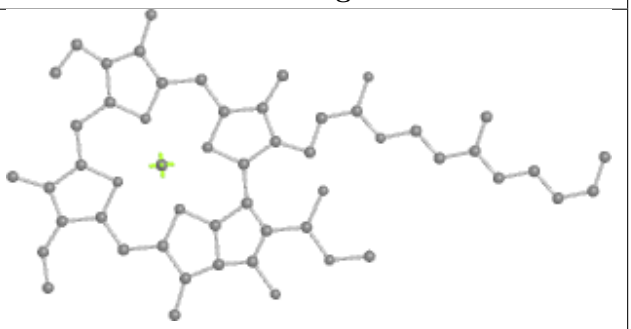
Ligand BCR n 844

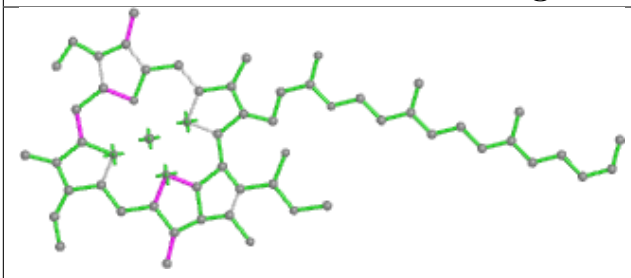
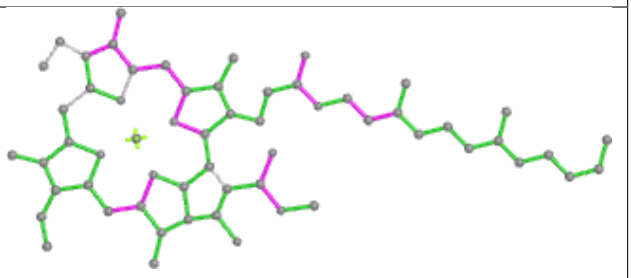
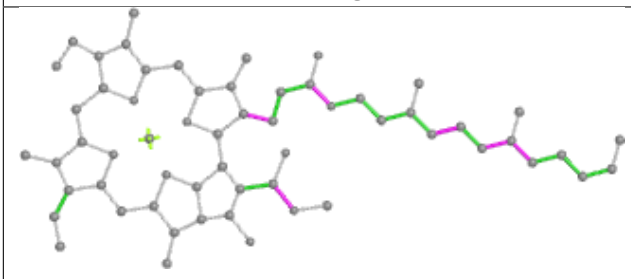
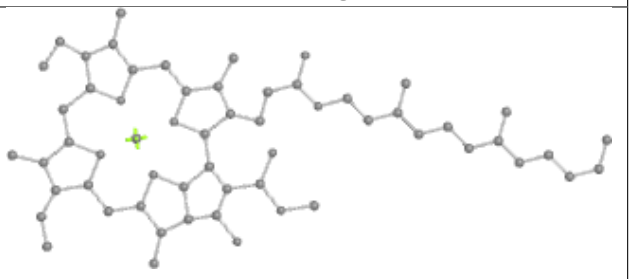

Bond lengths


Bond angles

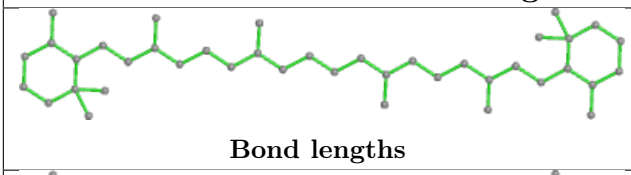

Torsions


Rings

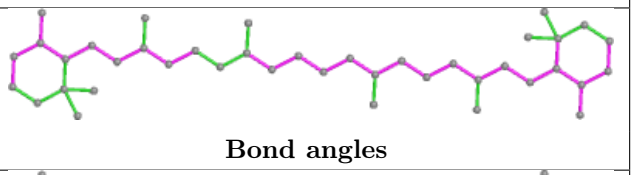
Ligand CLA g 833	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA f 201	
	
Bond lengths	Bond angles
	
Torsions	Rings

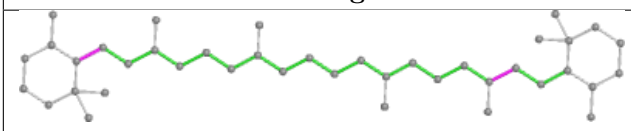
Ligand BCR G 844



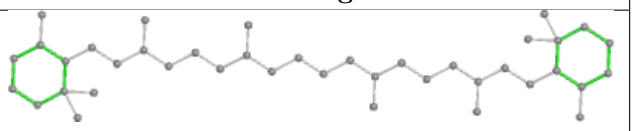
Bond lengths



Bond angles

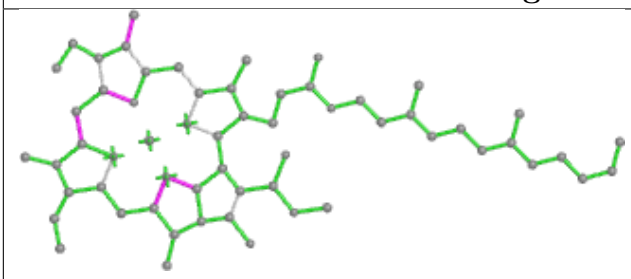


Torsions



Rings

Ligand CLA G 806



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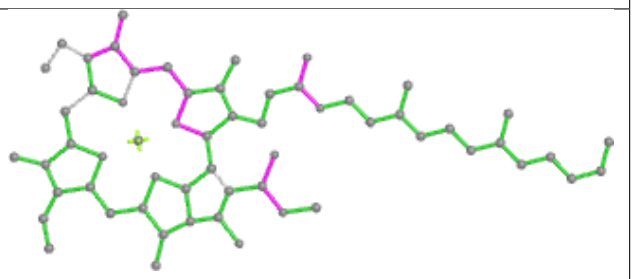
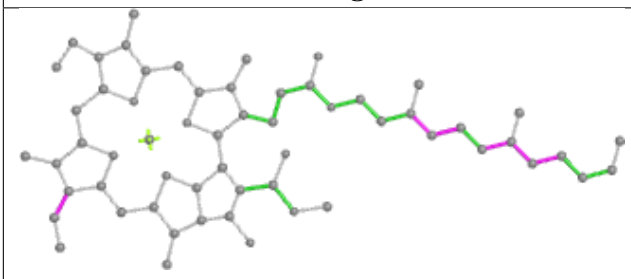
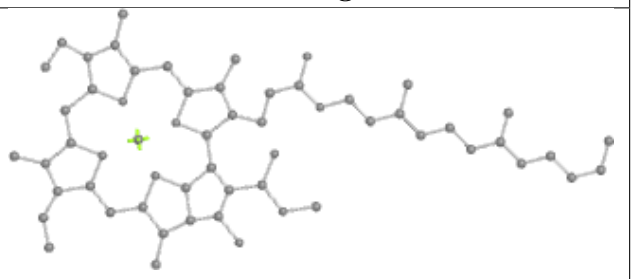


Bond angles

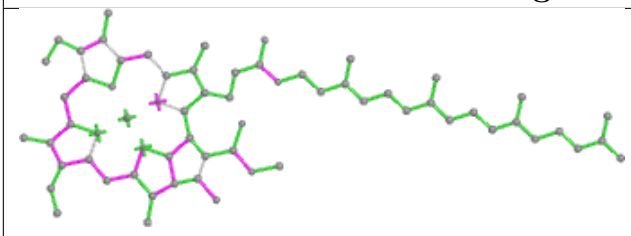


Torsions

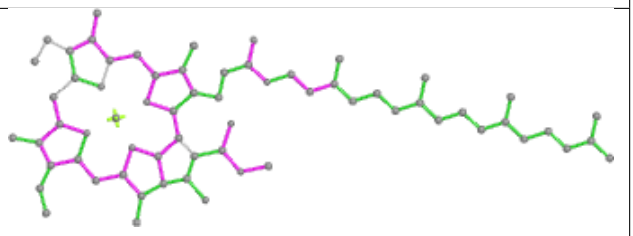


Rings

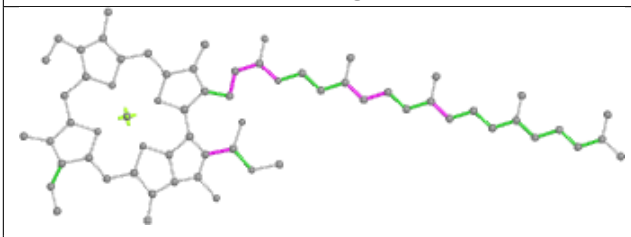
Ligand CL0 a 851



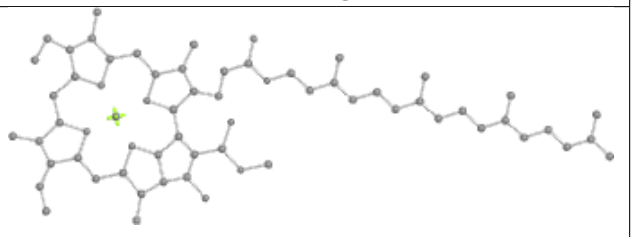
Bond lengths



Bond angles

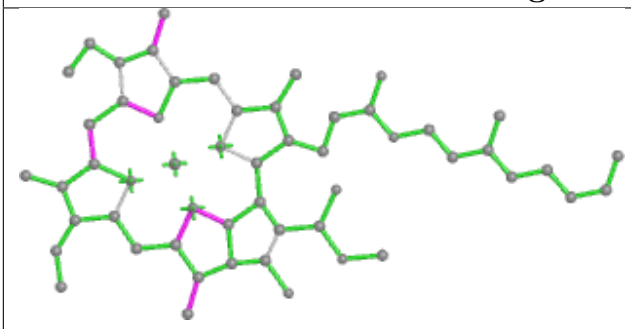


Torsions

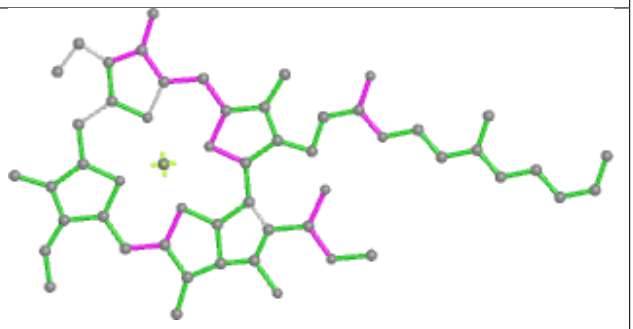


Rings

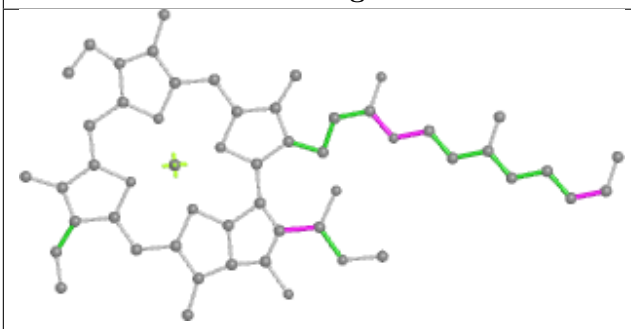
Ligand CLA a 802



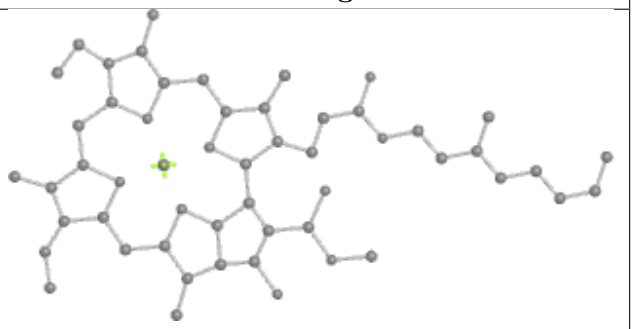
Bond lengths



Bond angles

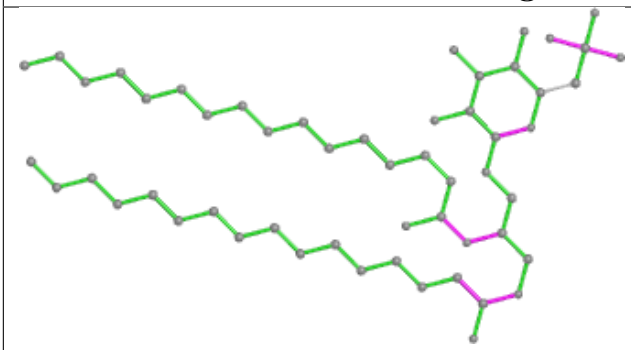


Torsions

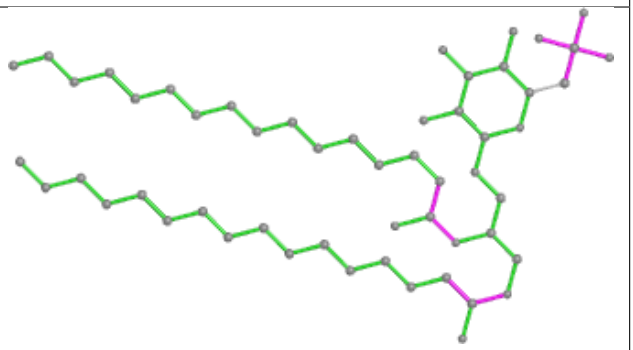


Rings

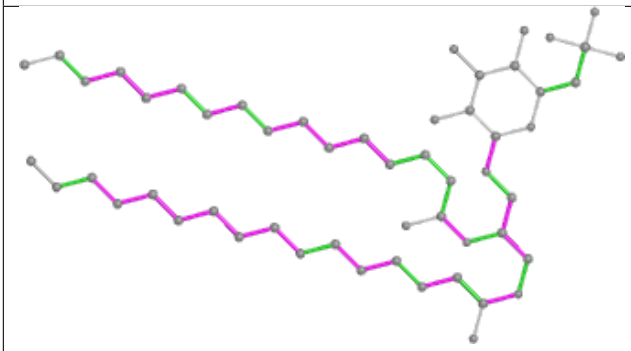
Ligand SQD h 1702



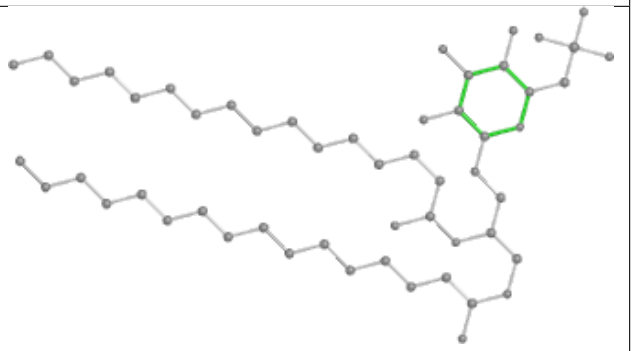
Bond lengths



Bond angles

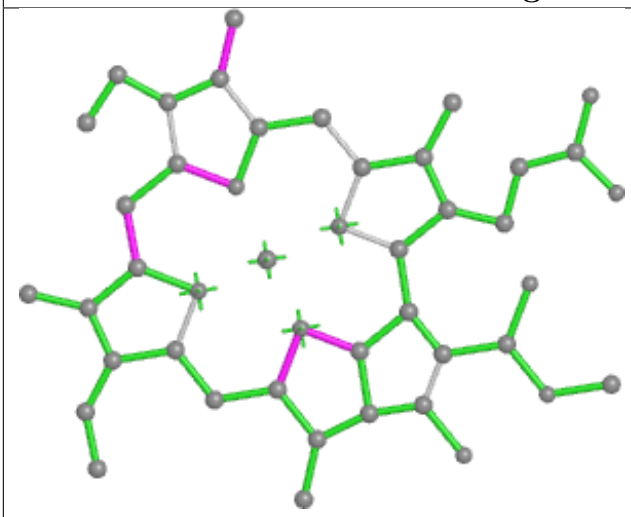


Torsions



Rings

Ligand CLA G 815



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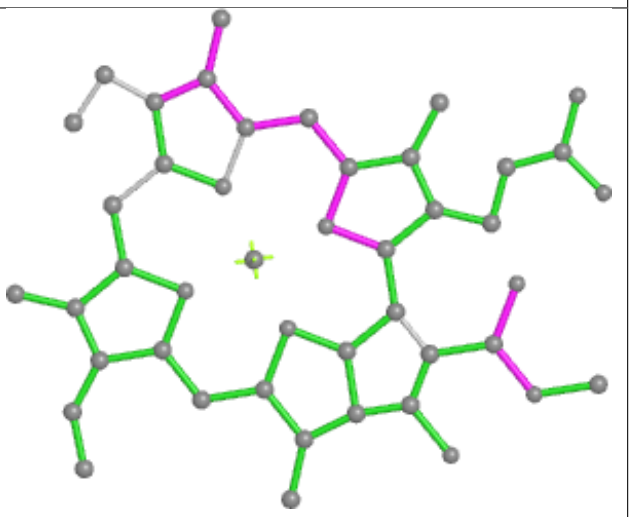
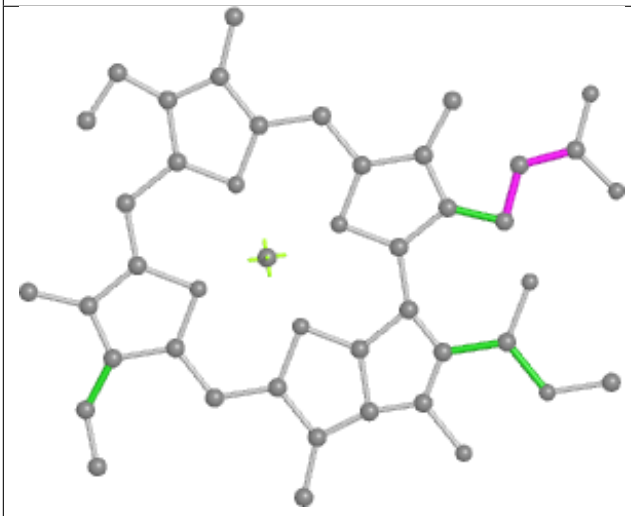


Bond angles



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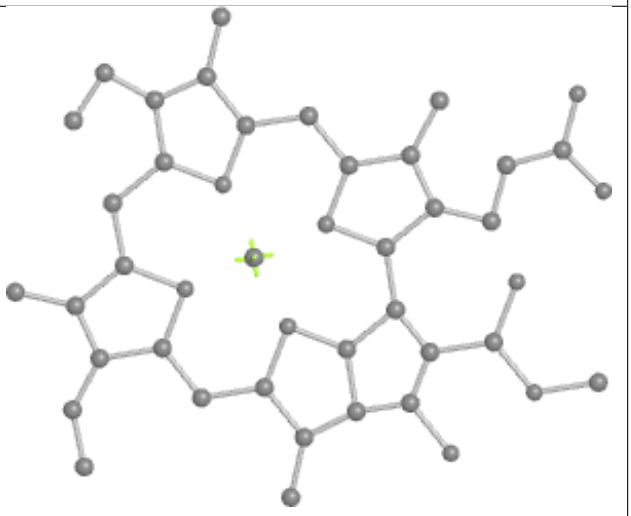
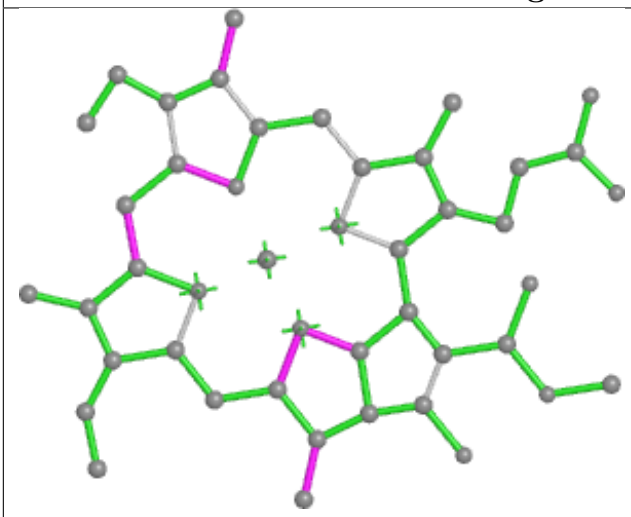


Rings

Ligand CLA b 835



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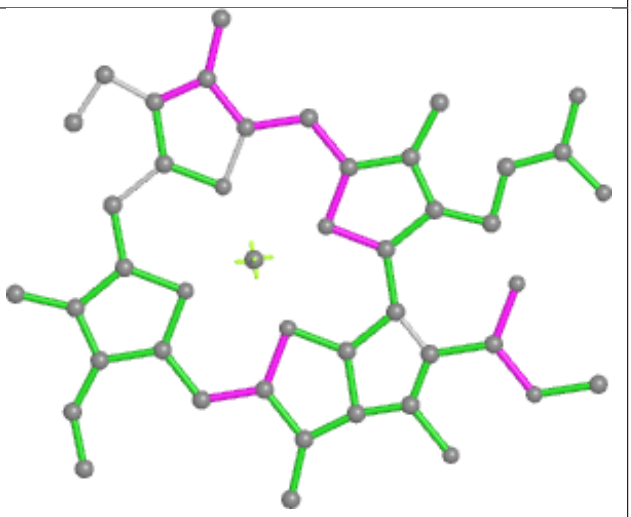
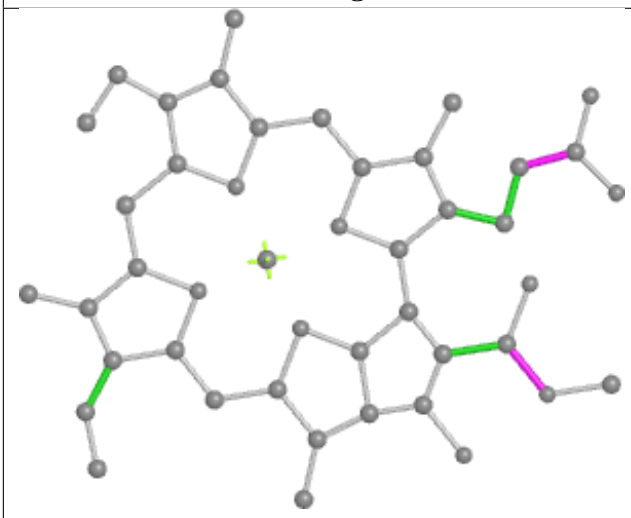
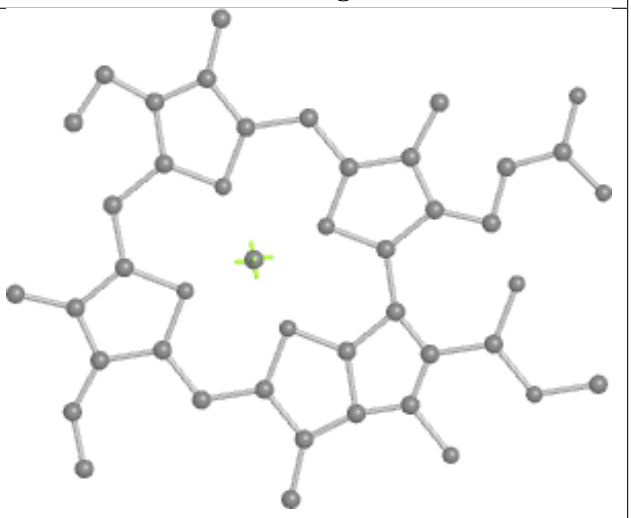


Bond angles

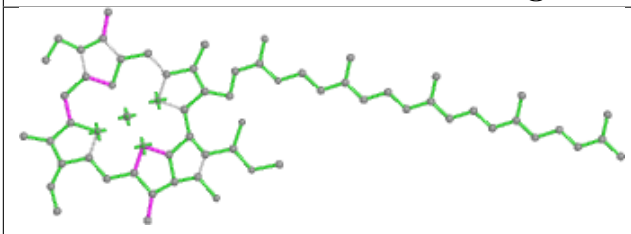


Torsions



Rings

Ligand CLA b 808



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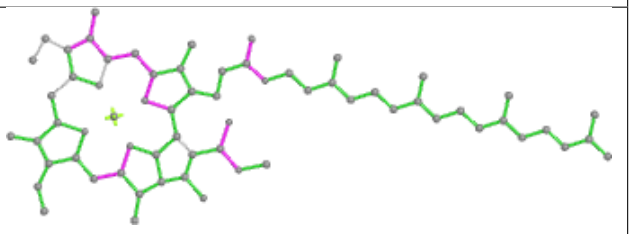
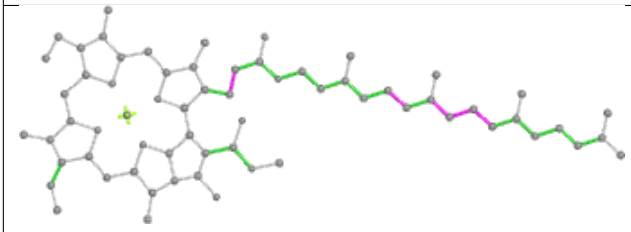


Bond angles



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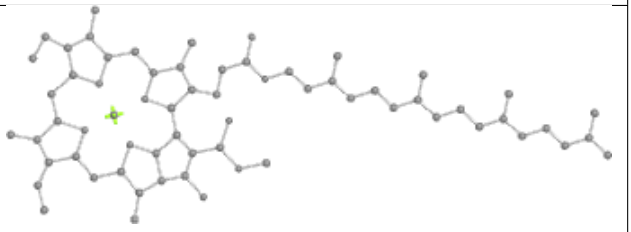
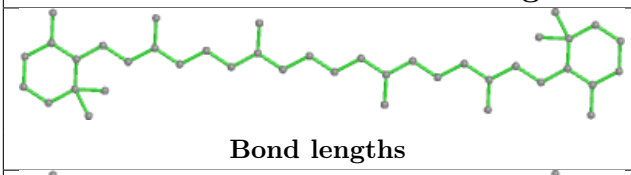


Rings

Ligand BCR A 849



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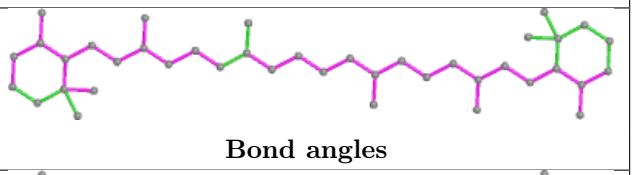
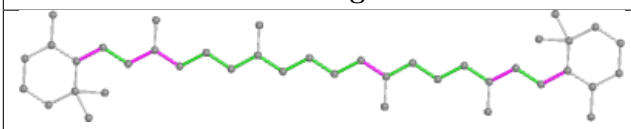


Bond angles



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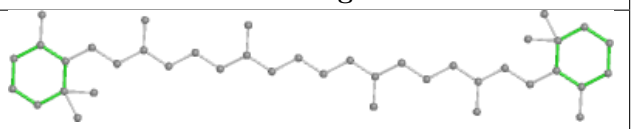
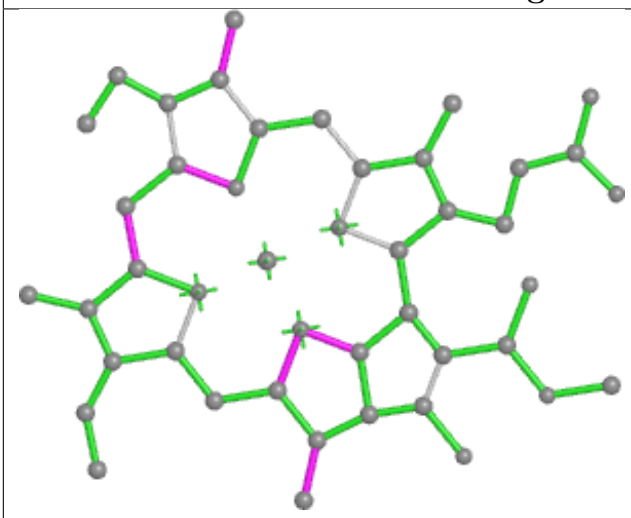


Rings

Ligand CLA n 820



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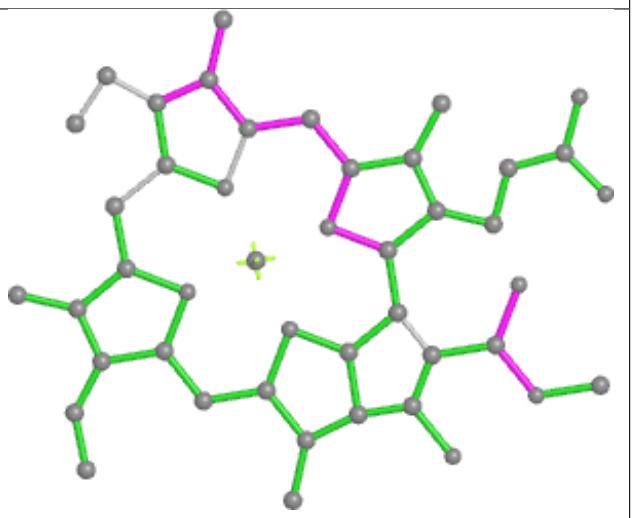
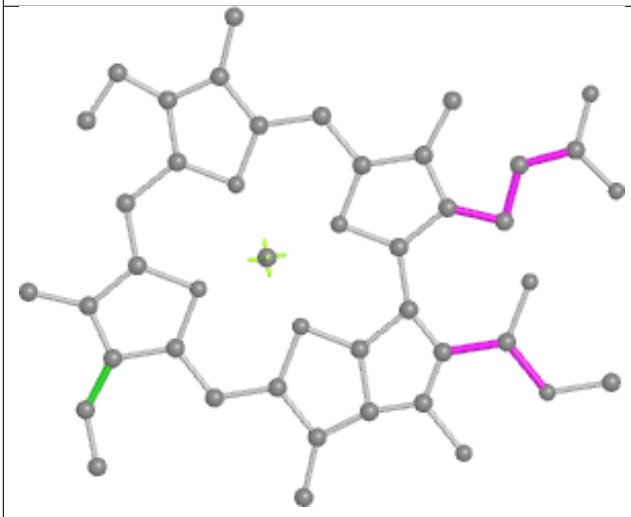


Bond angles



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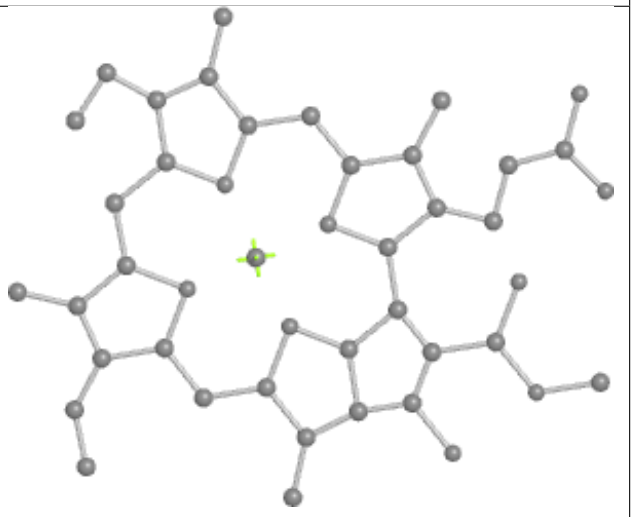
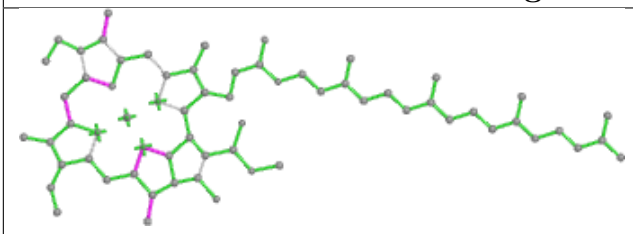


Rings

Ligand CLA B 829



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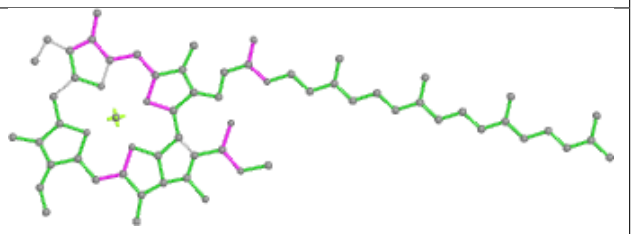
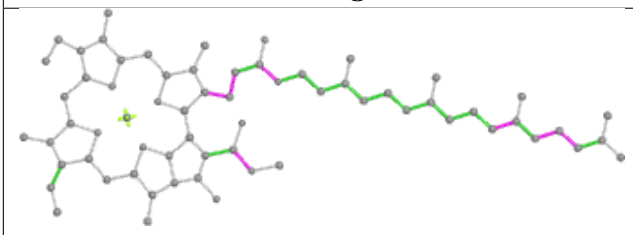


Bond angles



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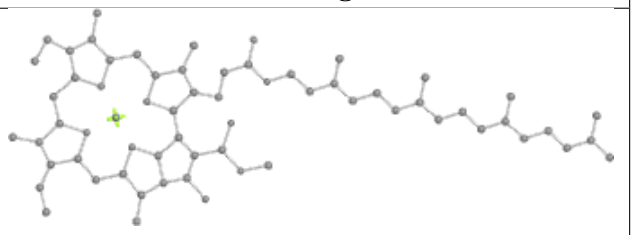
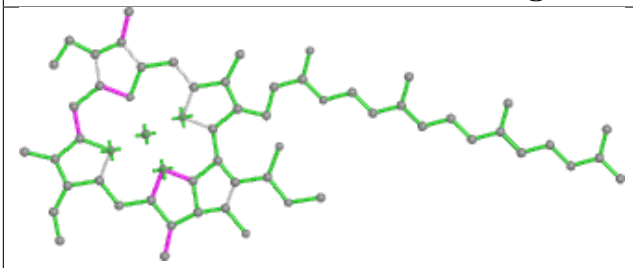


Rings

Ligand CLA n 831



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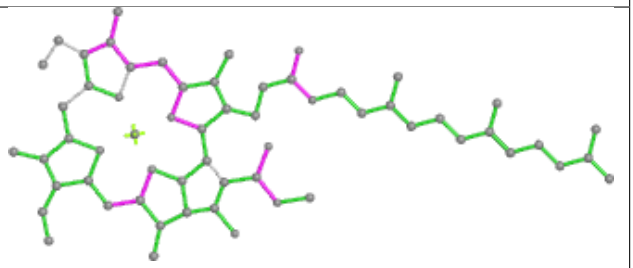
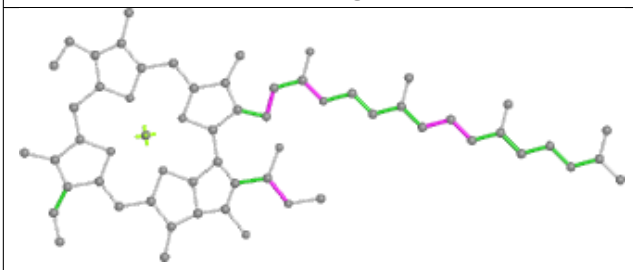


Bond angles



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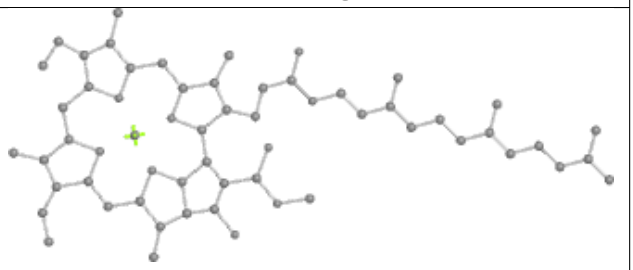
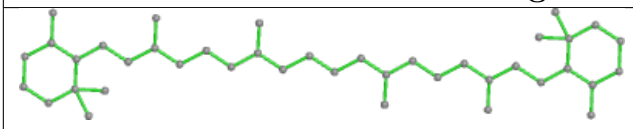


Rings

Ligand BCR I 101



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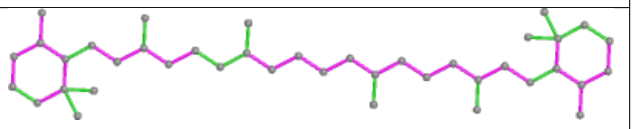
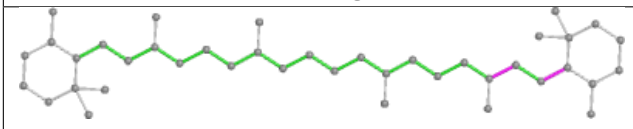


Bond angles



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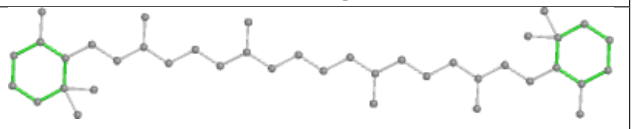
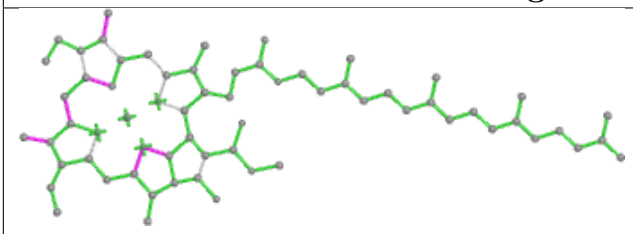
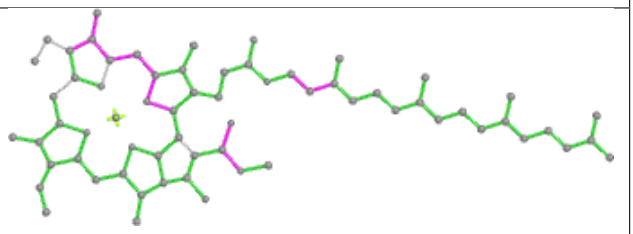


Rings

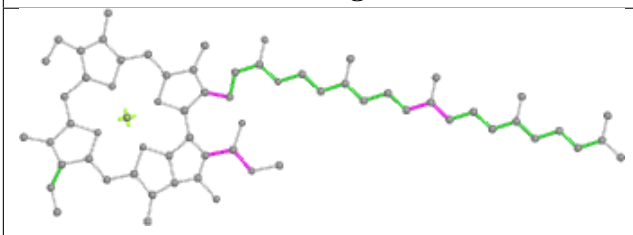
Ligand CLA n 826



Bond lengths



Bond angles



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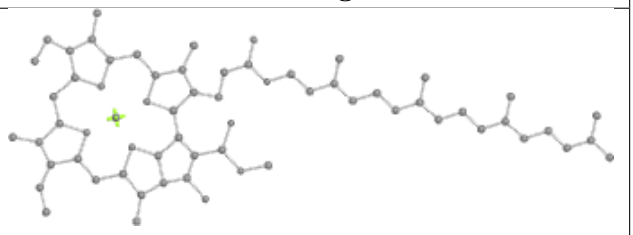
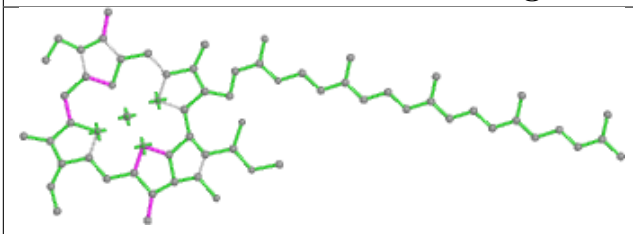
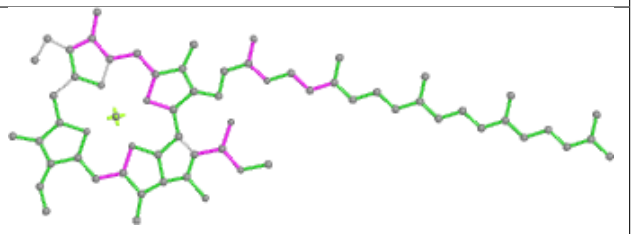


Rings

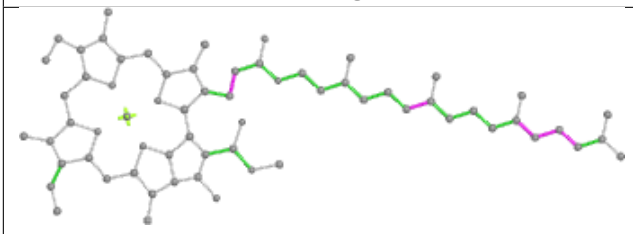
Ligand CLA N 809



Bond lengths



Bond angles



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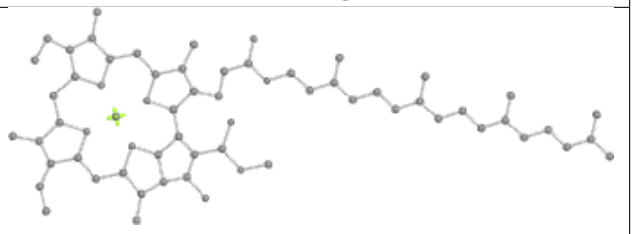
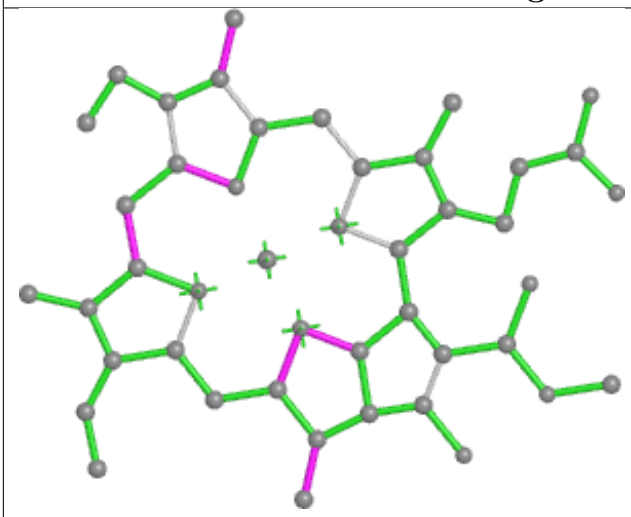
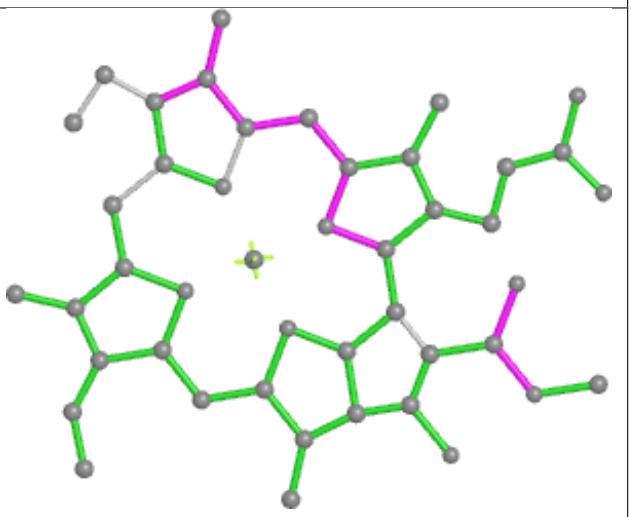


Rings

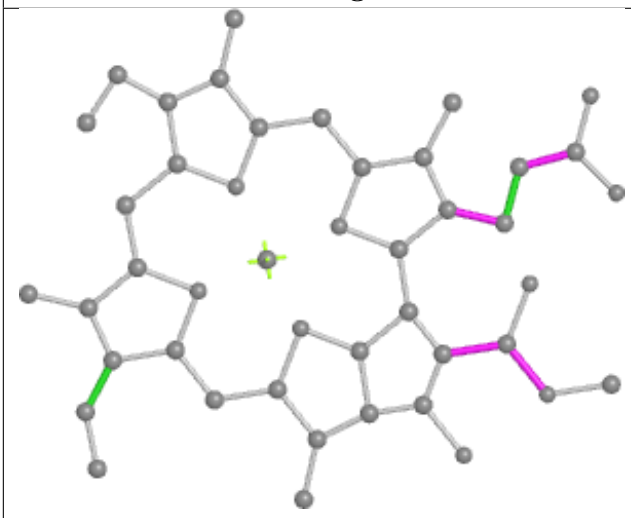
Ligand CLA n 834



Bond lengths



Bond angles



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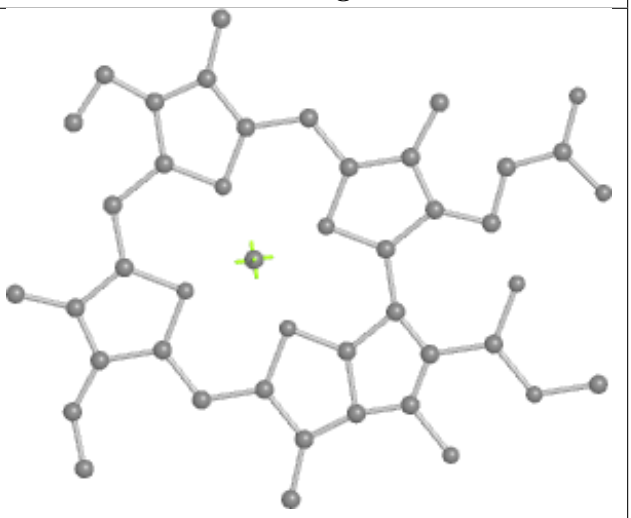
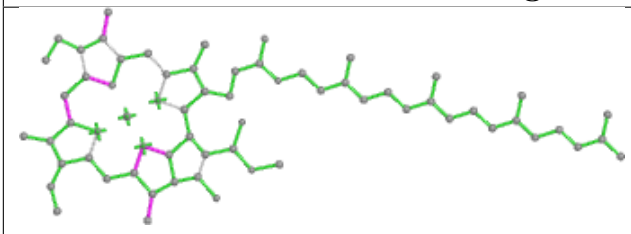
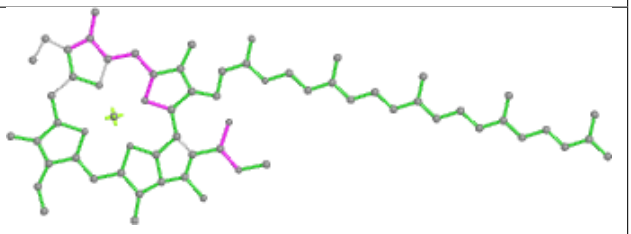


Rings

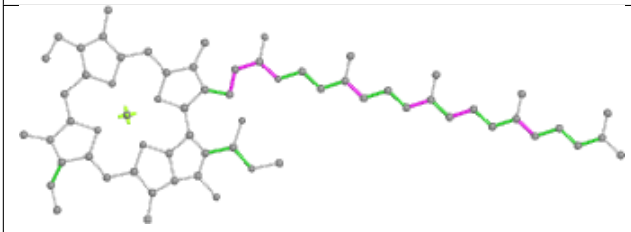
Ligand CLA A 840



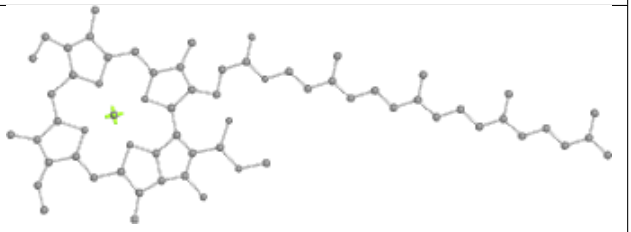
Bond lengths



Bond angles

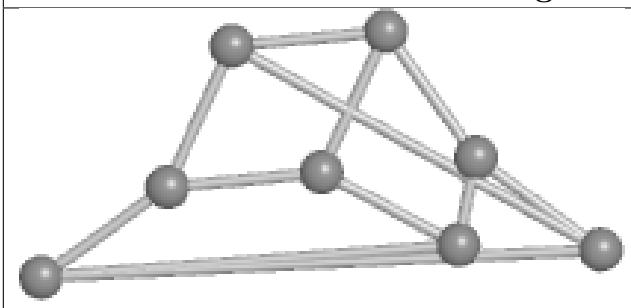


Torsions



Rings

Ligand SF4 g 842



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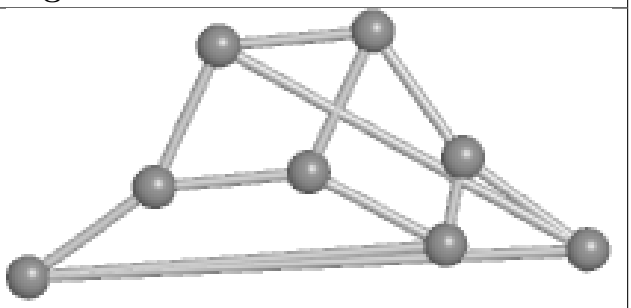
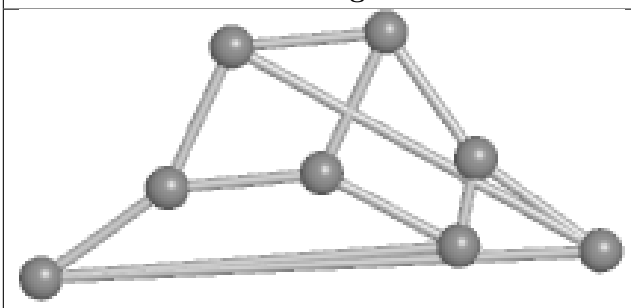
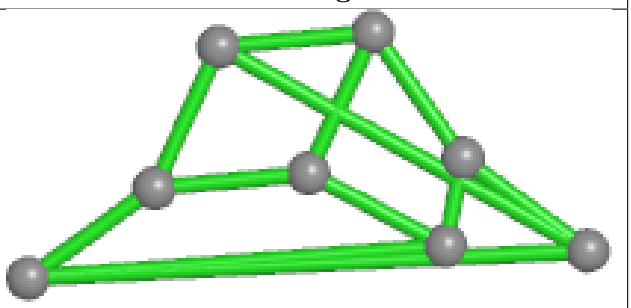


Bond angles

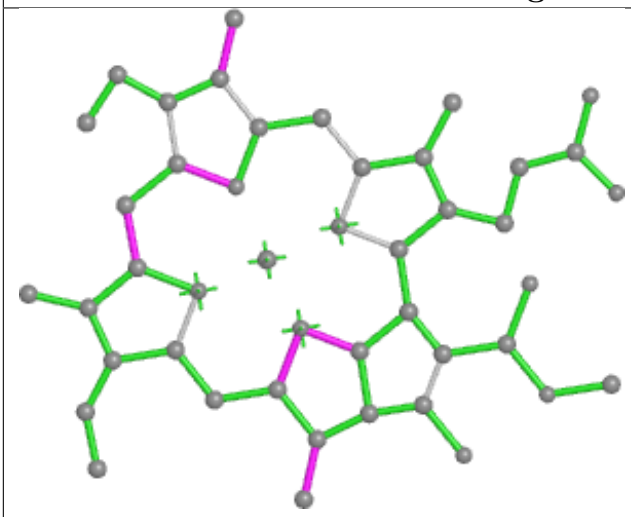


Torsions



Rings

Ligand CLA b 821



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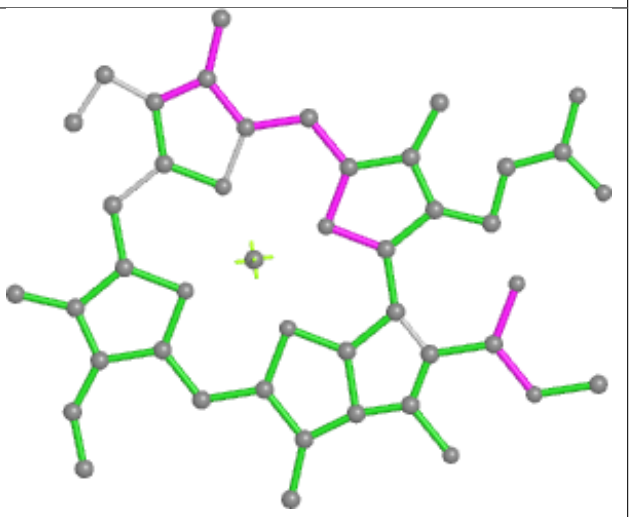
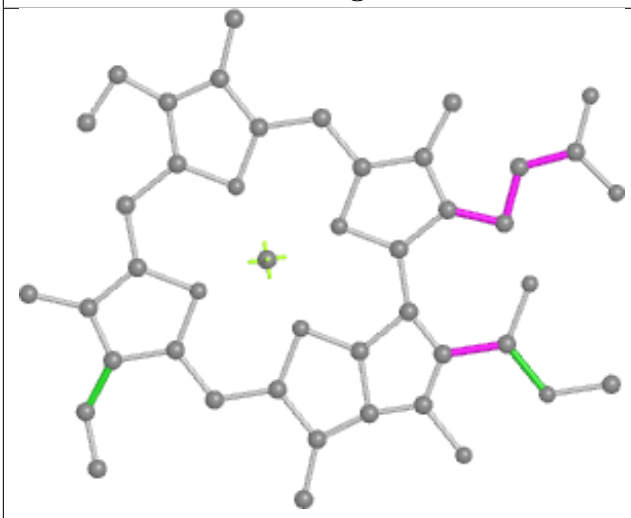
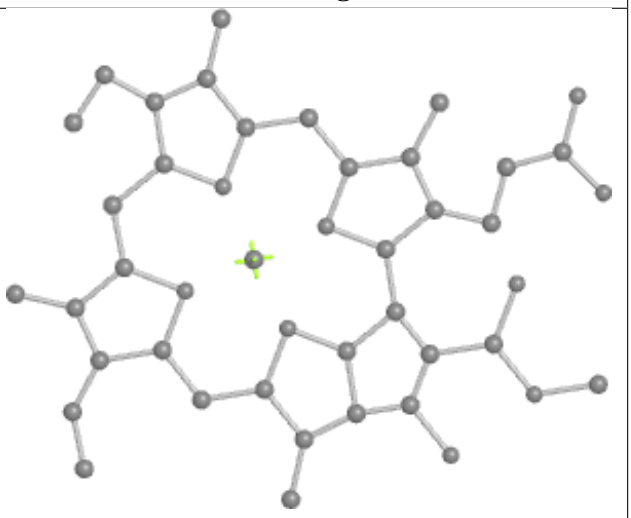


Bond angles

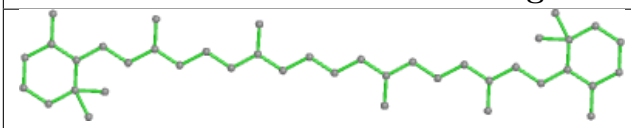


Torsions



Rings

Ligand BCR a 846



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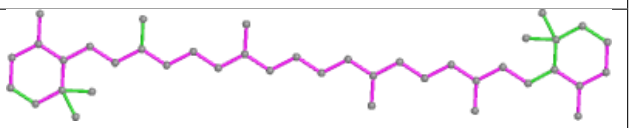
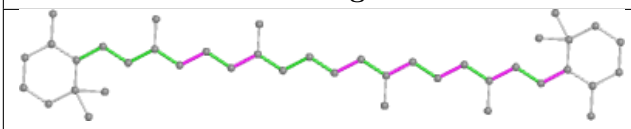


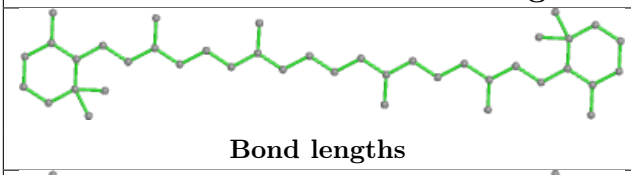
Bond angles



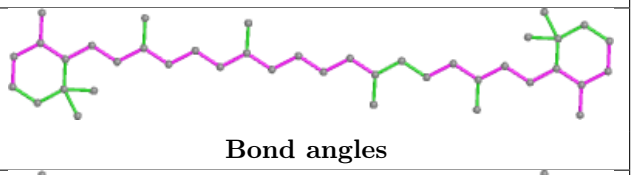
Torsions

Rings

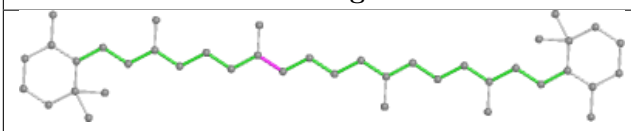
Ligand BCR s 203



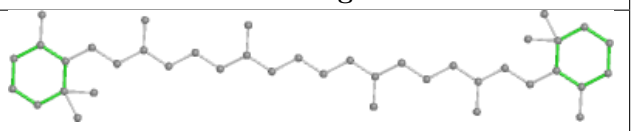
Bond lengths



Bond angles

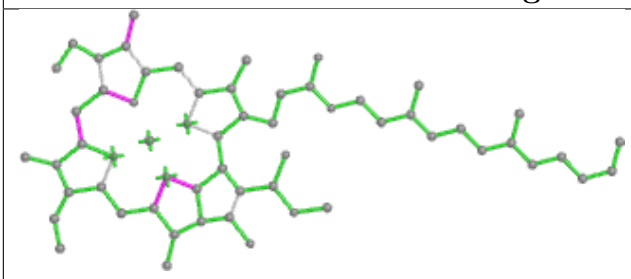


Torsions



Rings

Ligand CLA G 811



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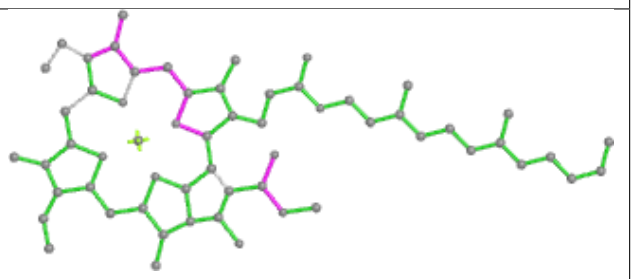
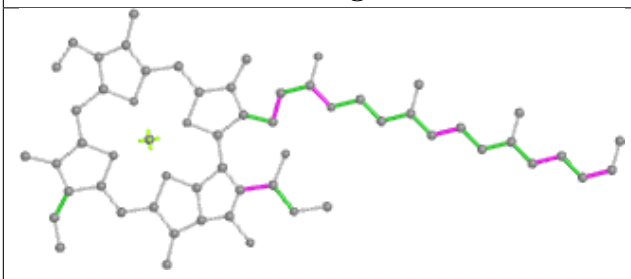
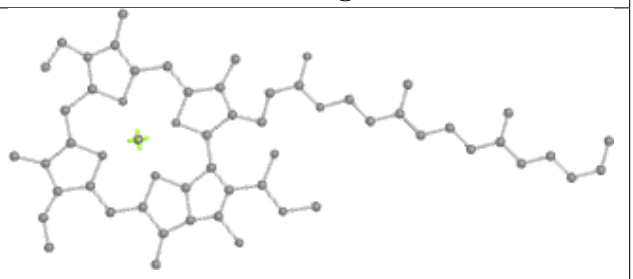


Bond angles

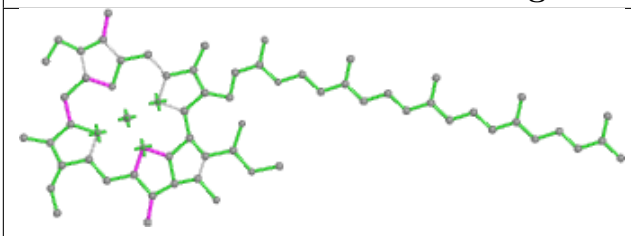


Torsions



Rings

Ligand CLA g 807



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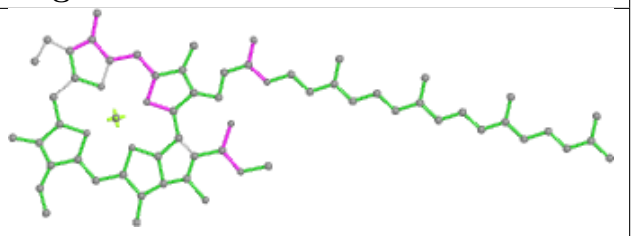
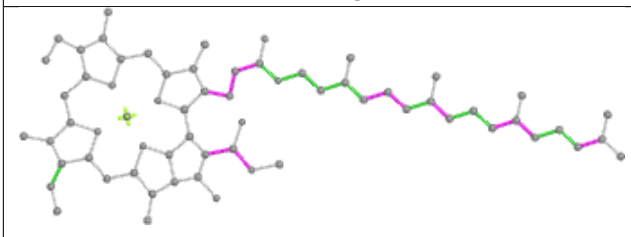


Bond angles



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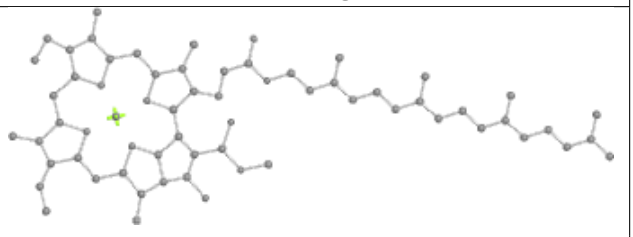
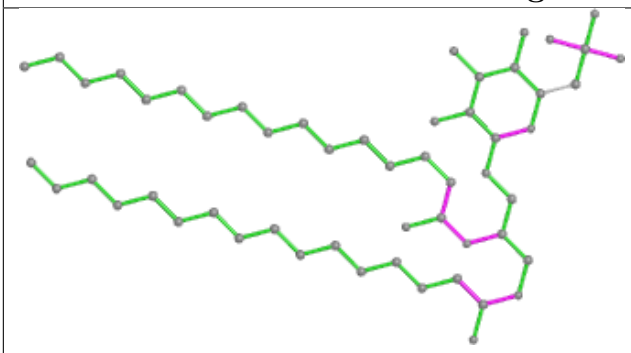


Rings

Ligand SQD b 801



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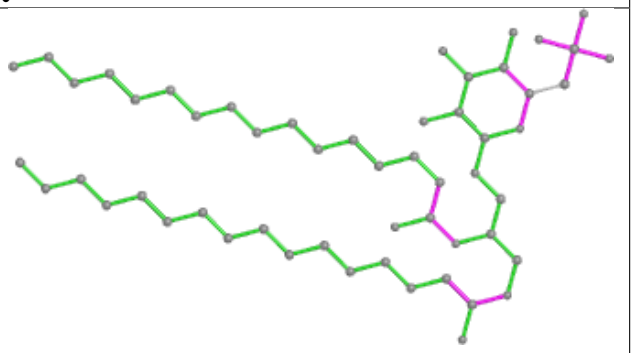
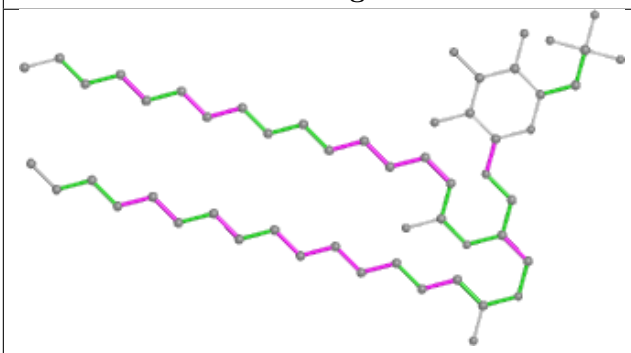


Bond angles



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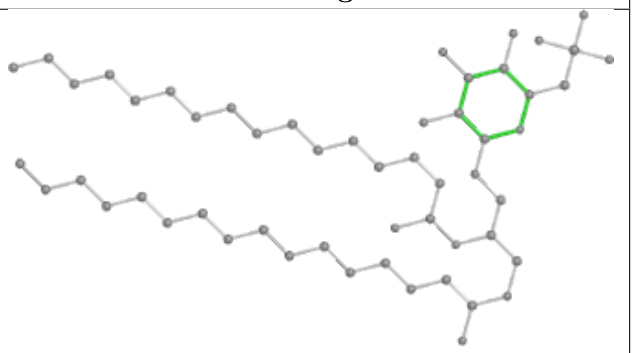
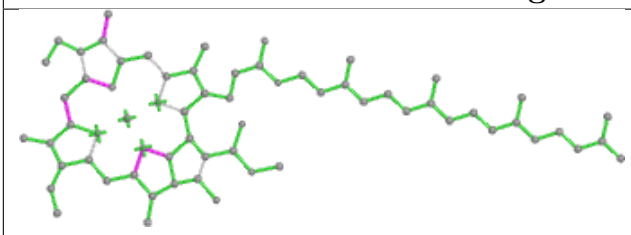


Rings

Ligand CLA g 826



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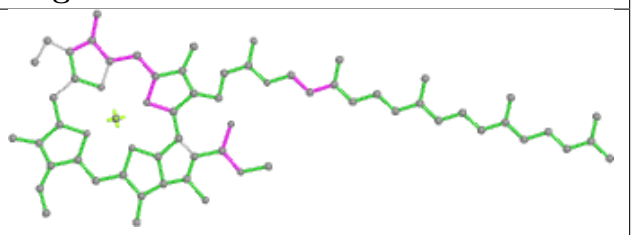
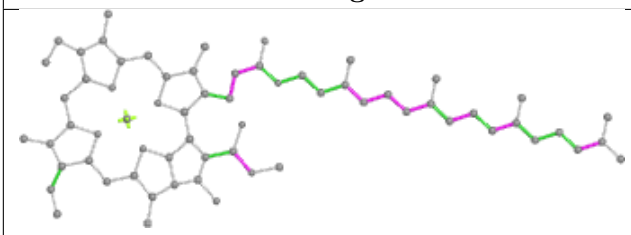
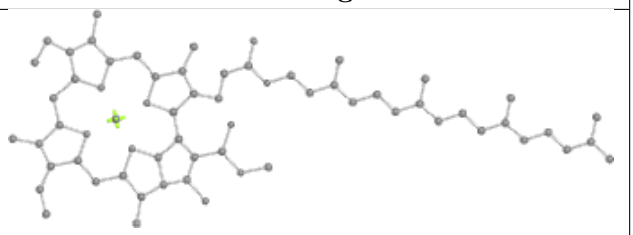


Bond angles

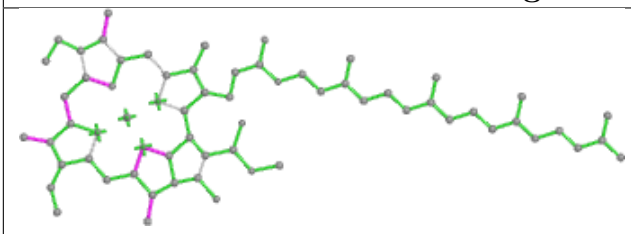


Torsions

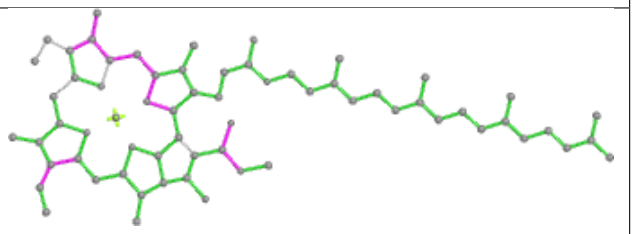


Rings

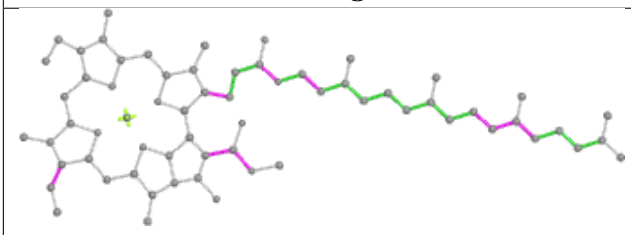
Ligand CLA N 805



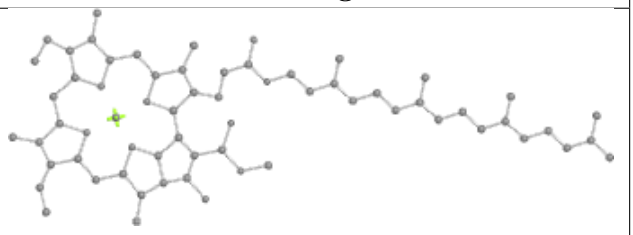
Bond lengths



Bond angles

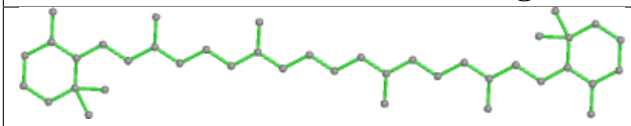


Torsions



Rings

Ligand BCR L 1504



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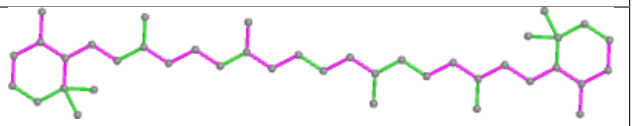
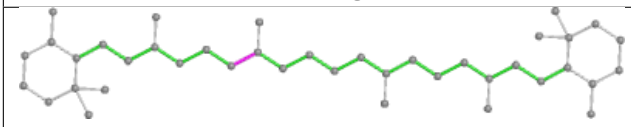


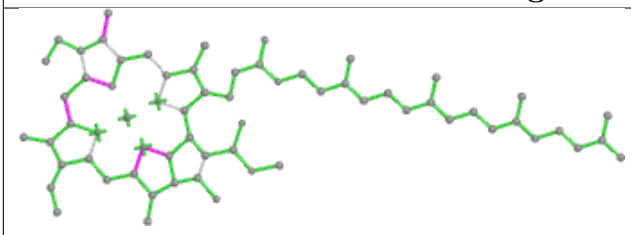
Bond angles



Torsions

Rings

Ligand CLA b 824



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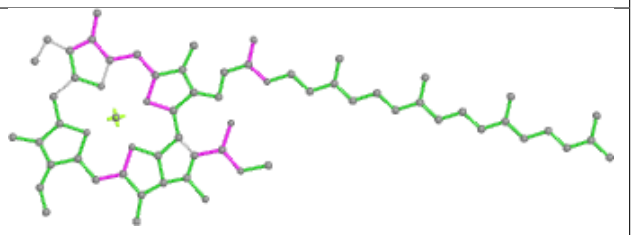
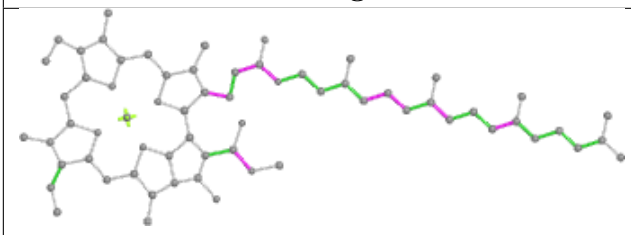
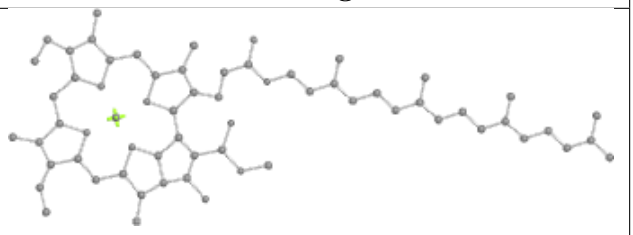


Bond angles

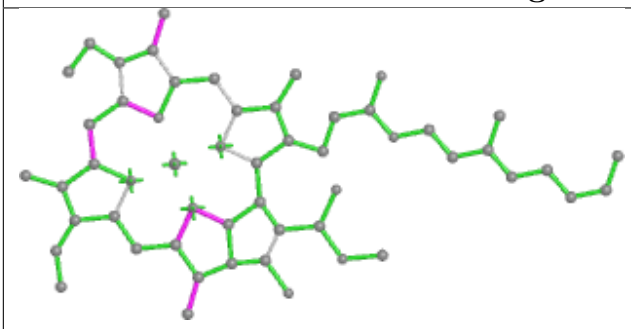


Torsions



Rings

Ligand CLA a 824



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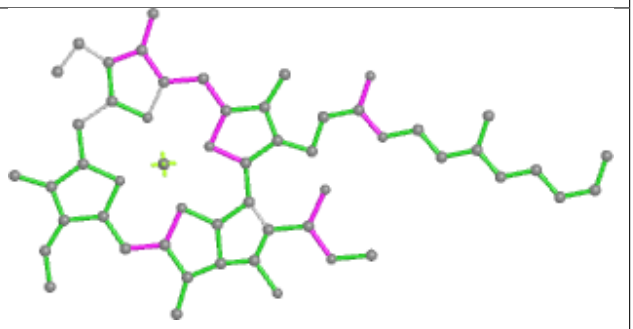
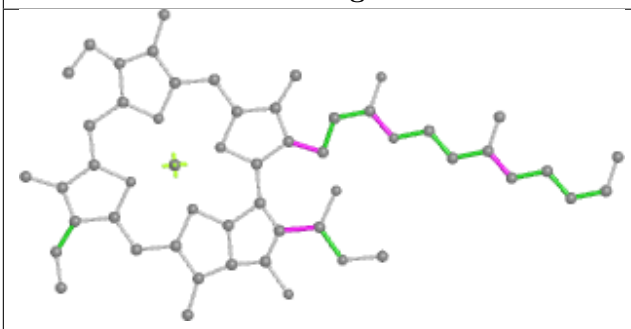
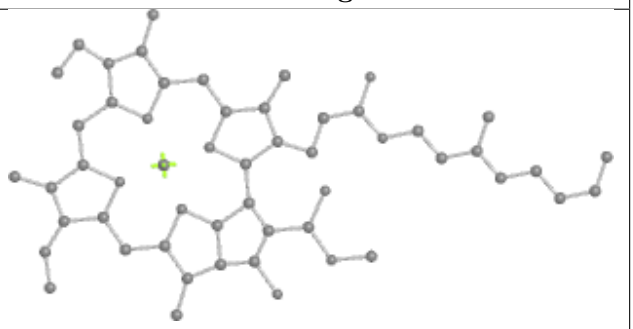


Bond angles

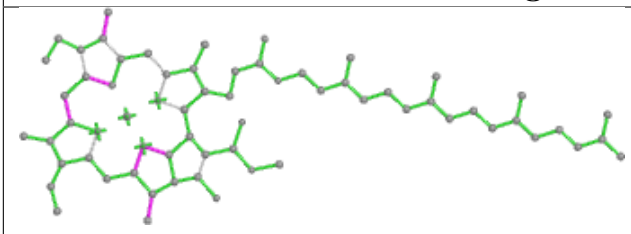


Torsions

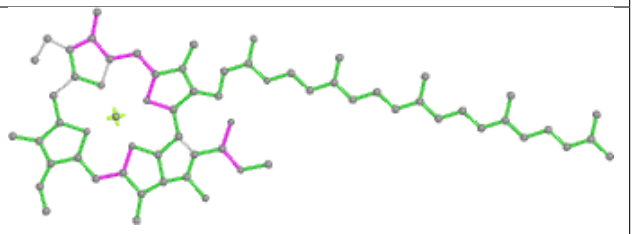


Rings

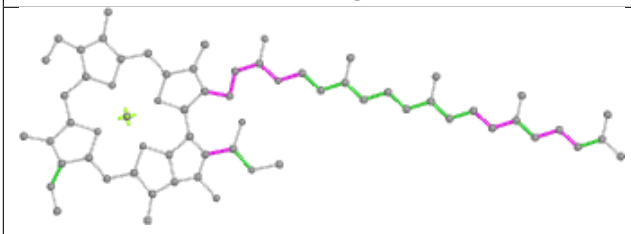
Ligand CLA B 806



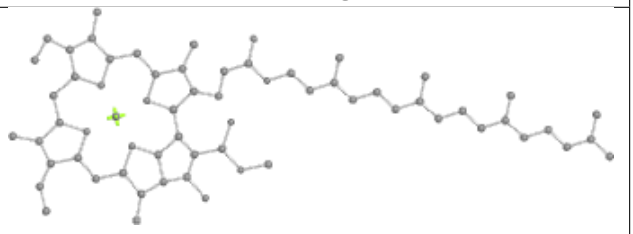
Bond lengths



Bond angles

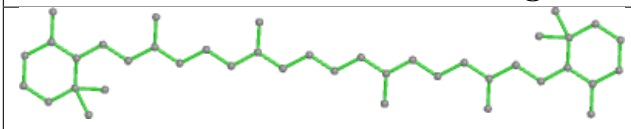


Torsions

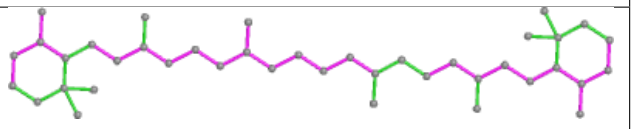


Rings

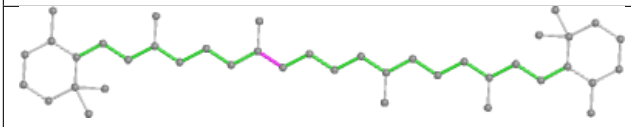
Ligand BCR F 203



Bond lengths



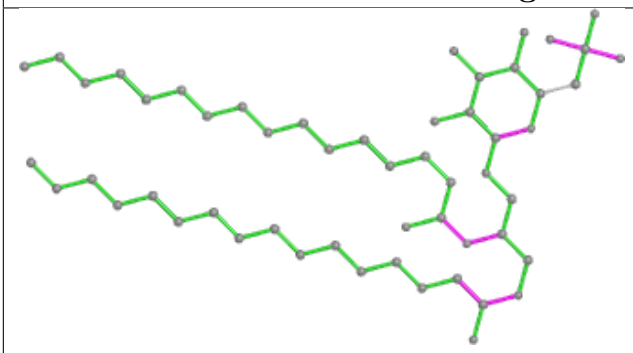
Bond angles



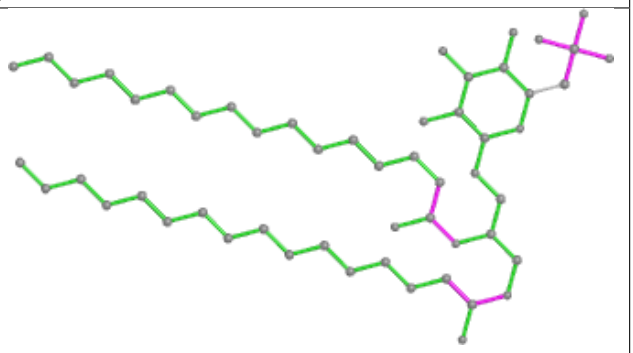
Torsions

Rings

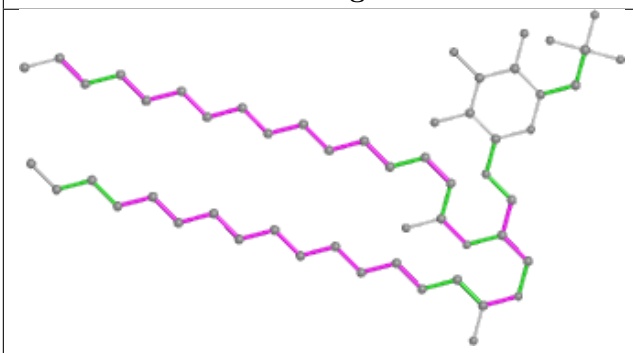
Ligand SQD x 1702



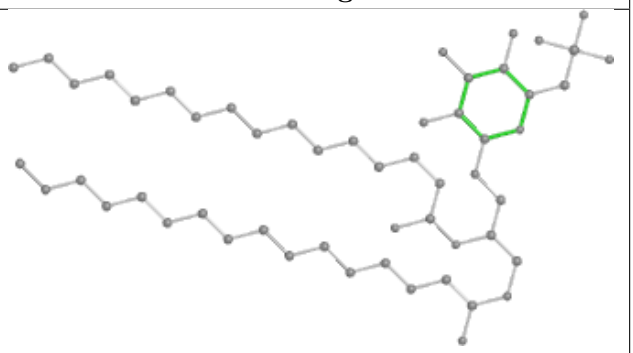
Bond lengths



Bond angles

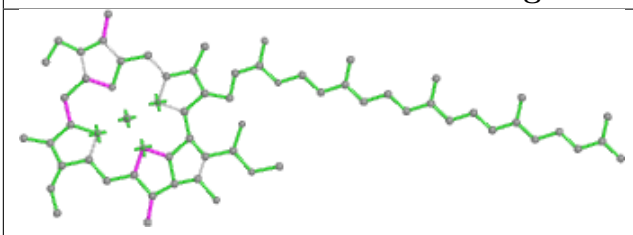


Torsions

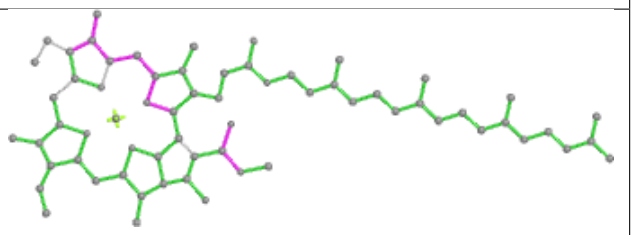


Rings

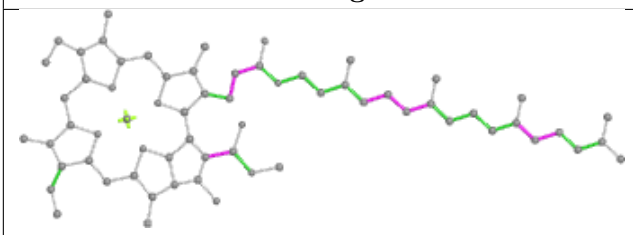
Ligand CLA A 837



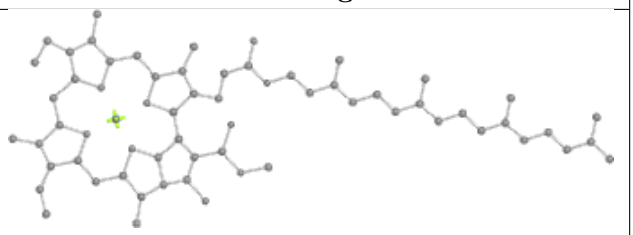
Bond lengths



Bond angles

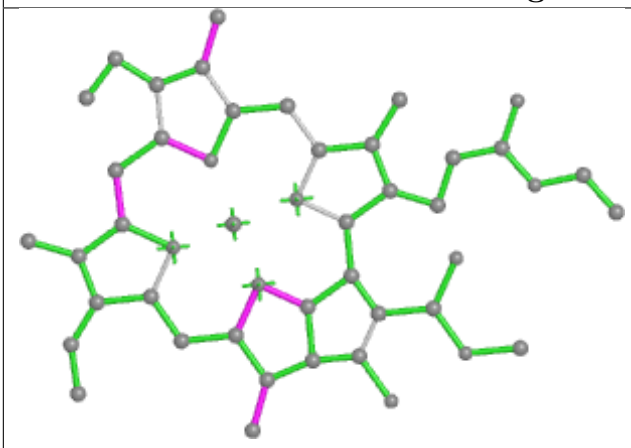


Torsions



Rings

Ligand CLA n 838



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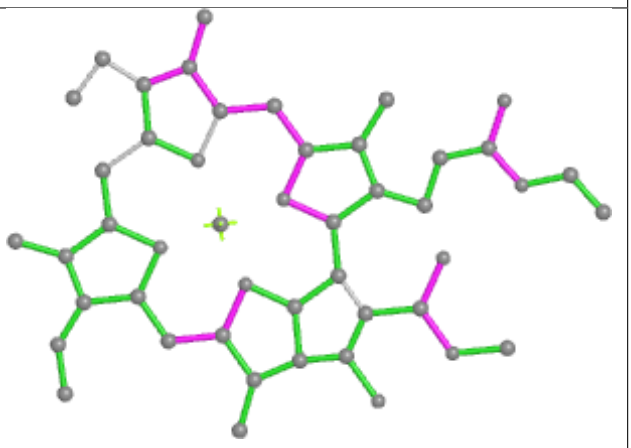
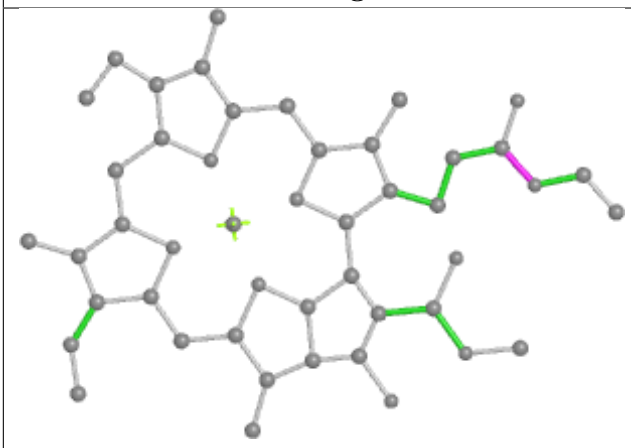
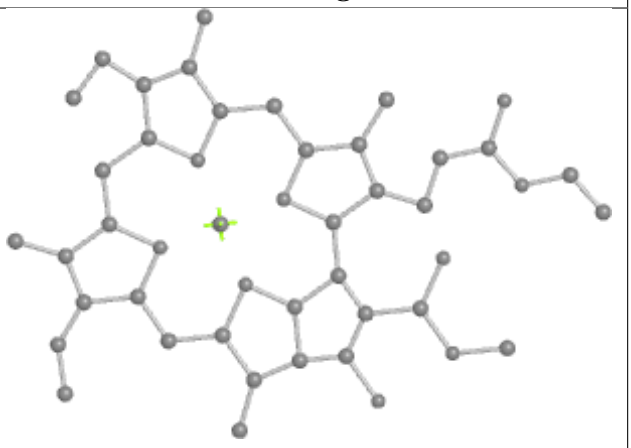


Bond angles

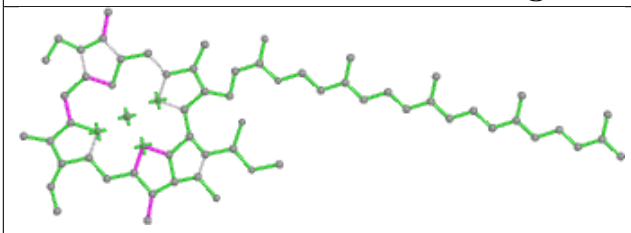


Torsions

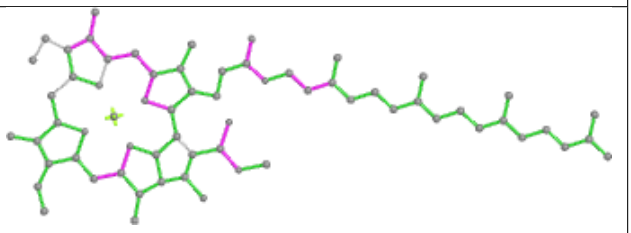


Rings

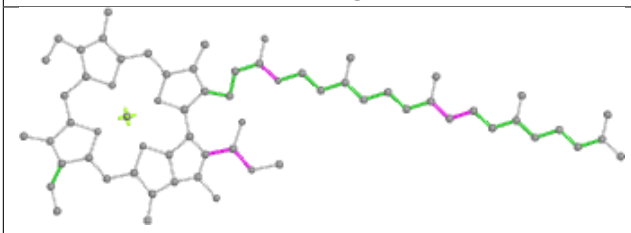
Ligand CLA n 819



Bond lengths



Bond angles



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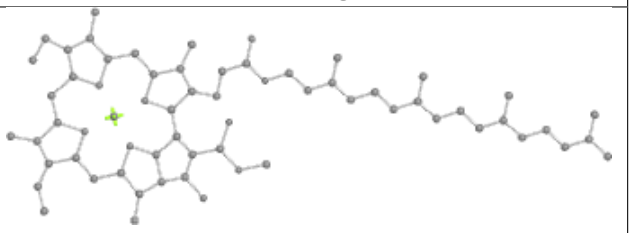
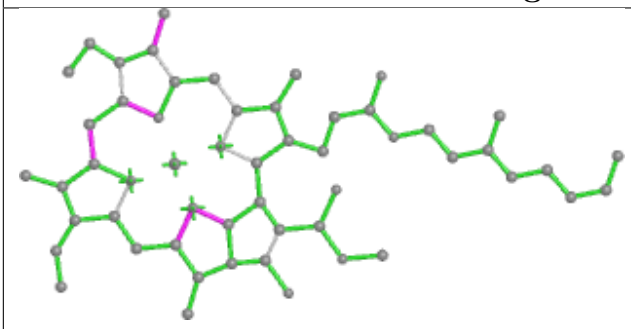


Rings

Ligand CLA A 822



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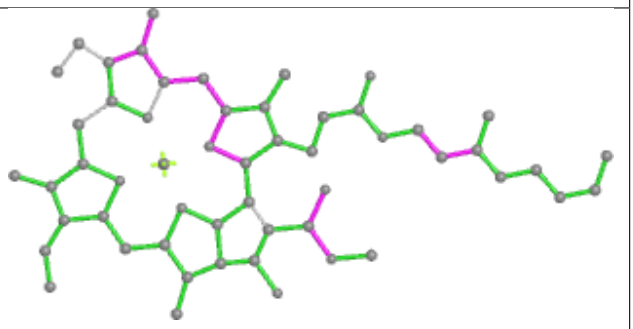
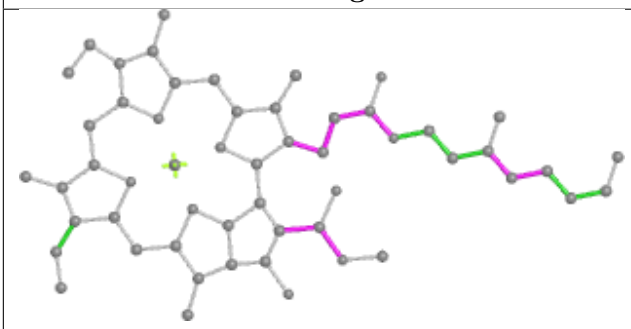


Bond angles



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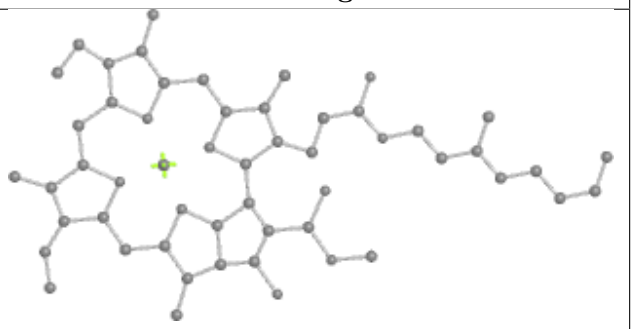
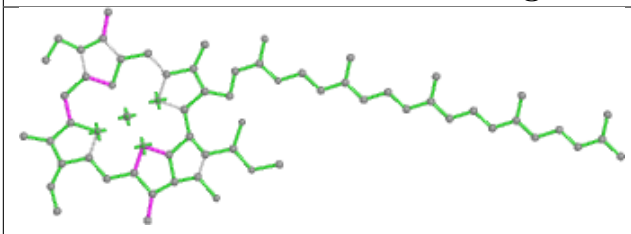


Rings

Ligand CLA G 802



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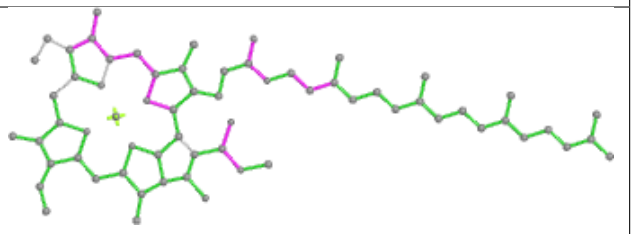
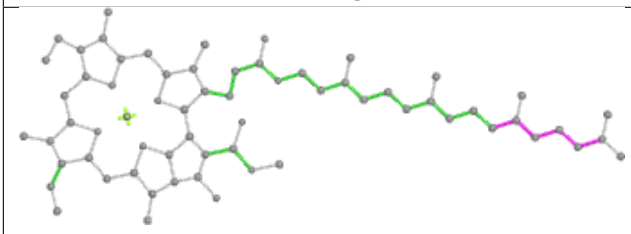
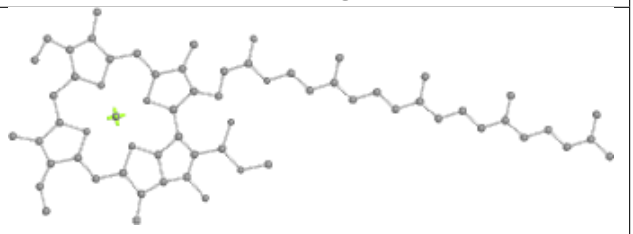


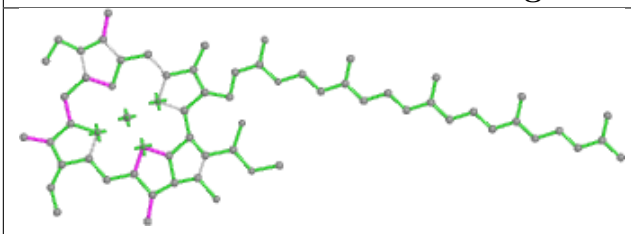
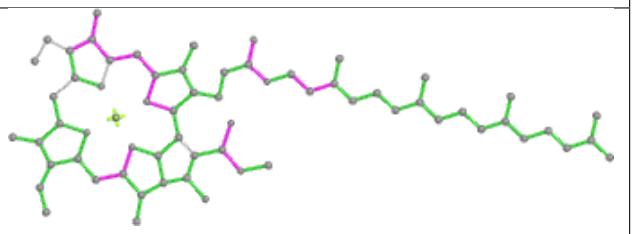
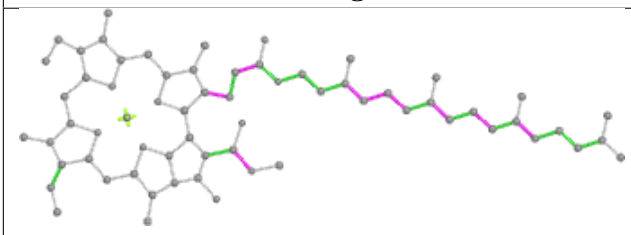
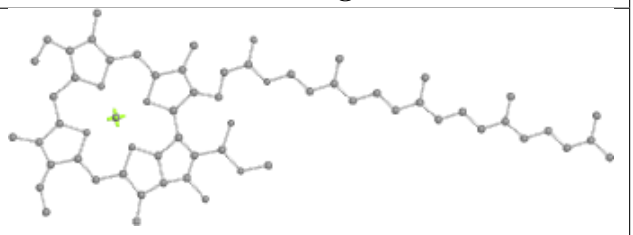
Bond angles

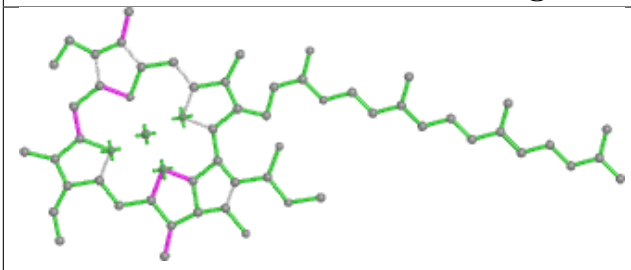
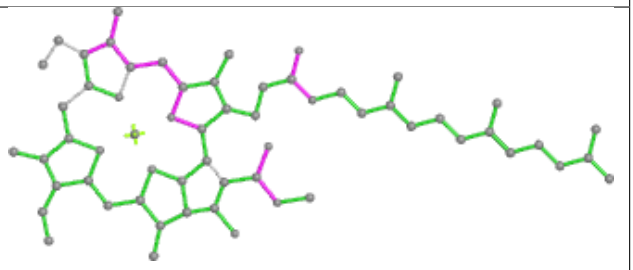
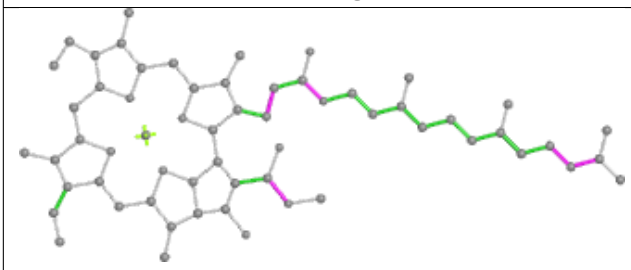
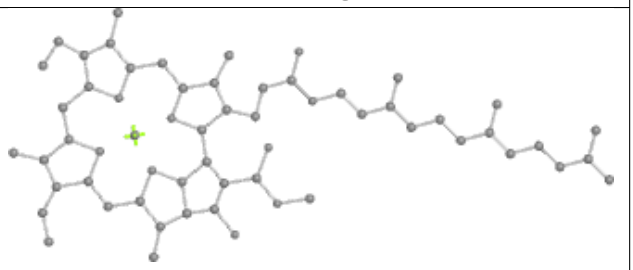


Torsions

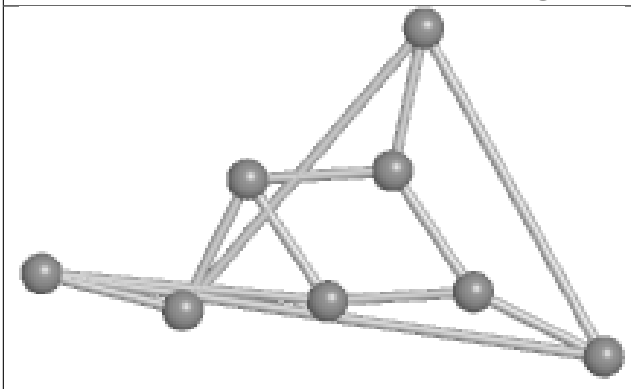


Rings

Ligand CLA B 814	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA a 816	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand SF4 p 102



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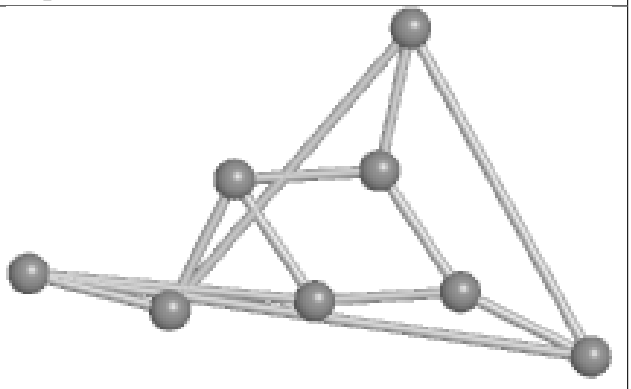
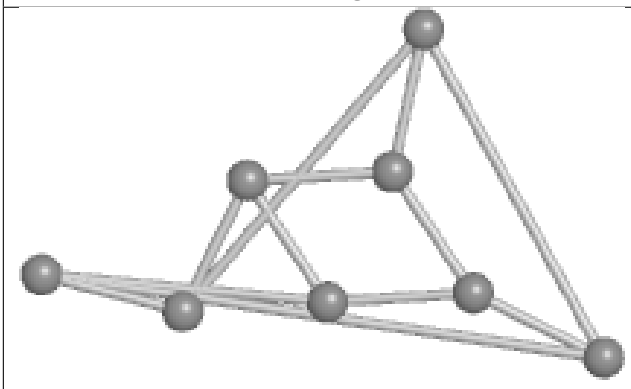


Bond angles



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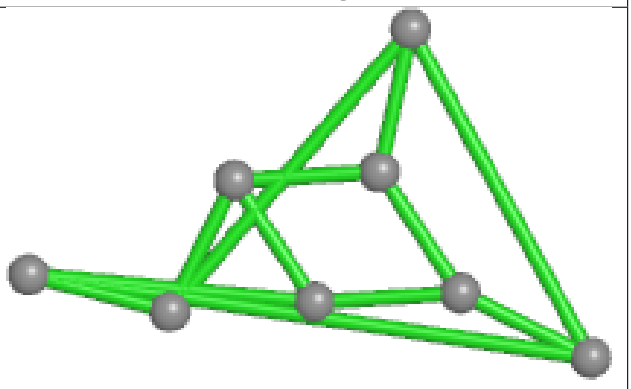
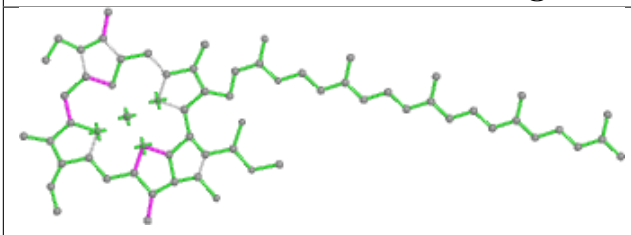


Rings

Ligand CLA a 803



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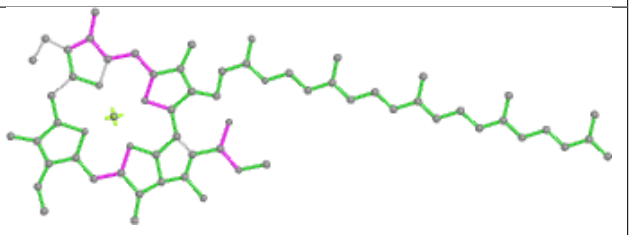
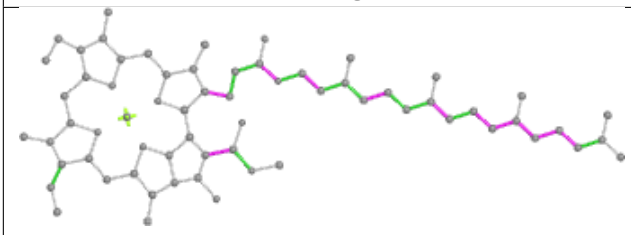


Bond angles



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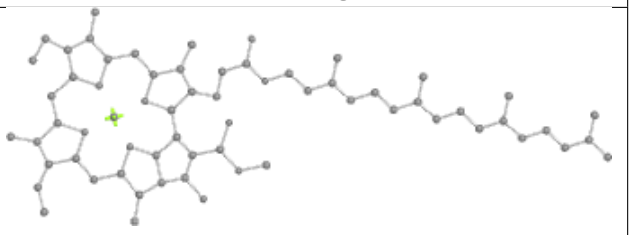
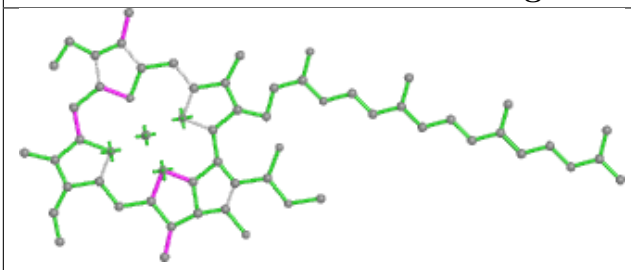
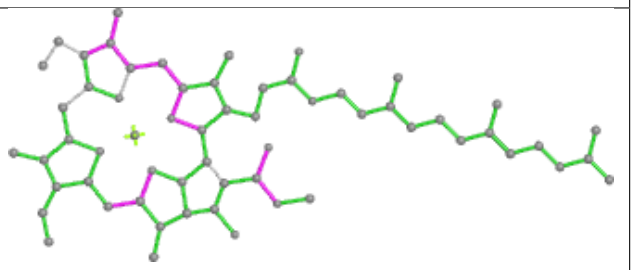


Rings

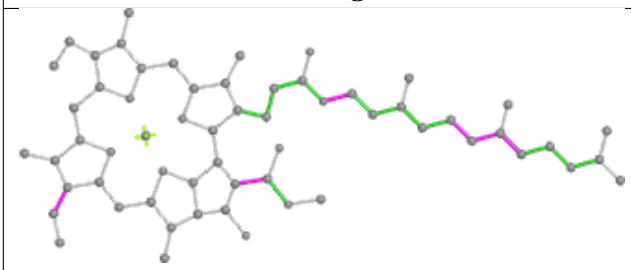
Ligand CLA w 204



Bond lengths



Bond angles



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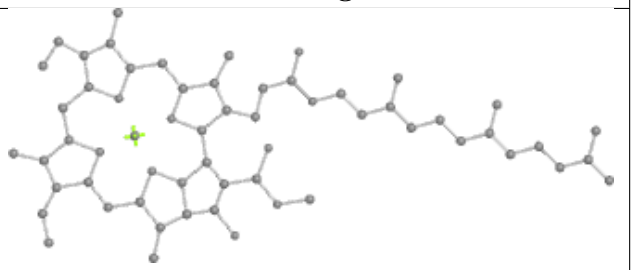
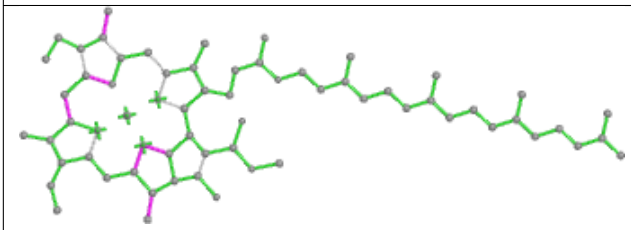
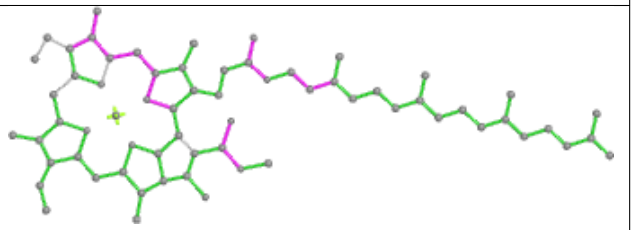


Rings

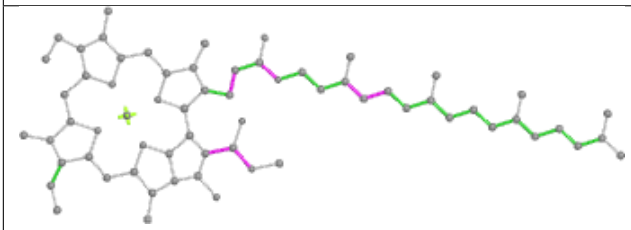
Ligand CLA b 840



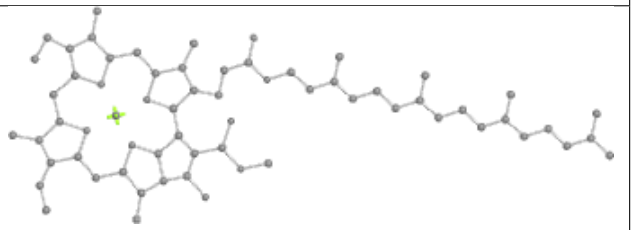
Bond lengths



Bond angles

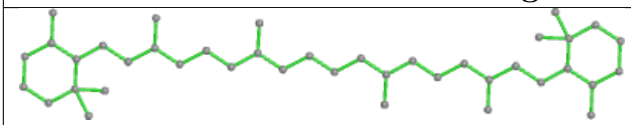


Torsions



Rings

Ligand BCR K 102



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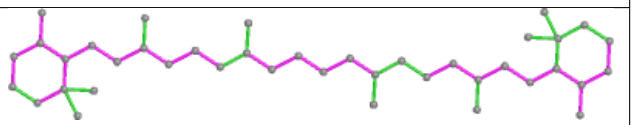
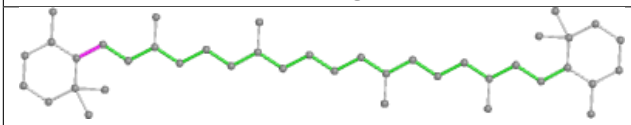
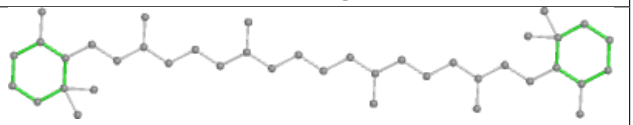


Bond angles

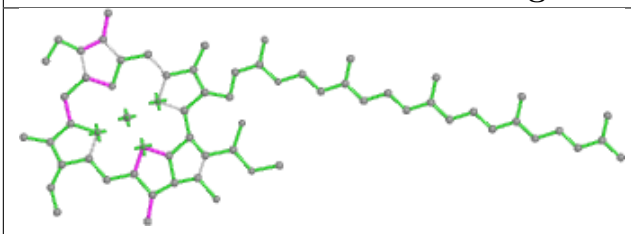


Torsions

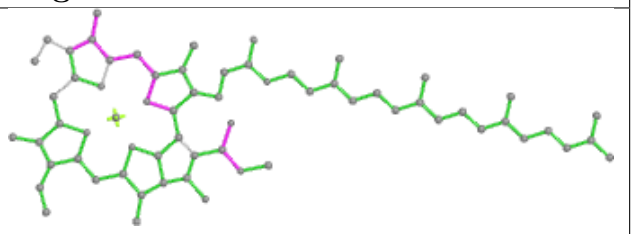


Rings

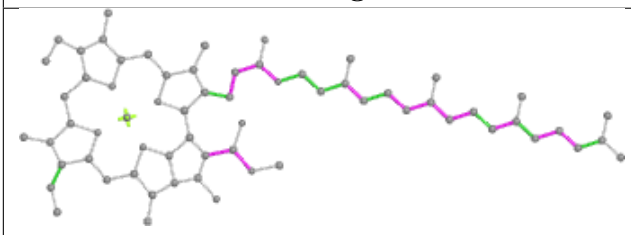
Ligand CLA g 854



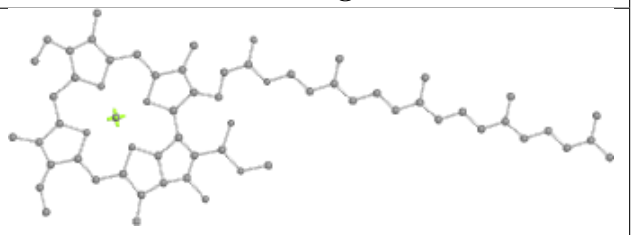
Bond lengths



Bond angles

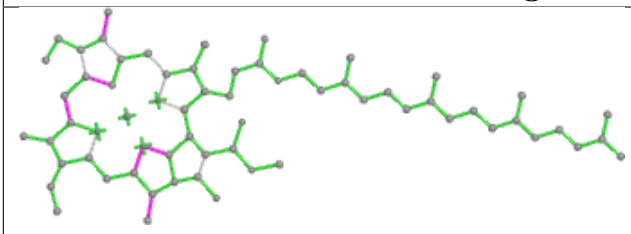


Torsions

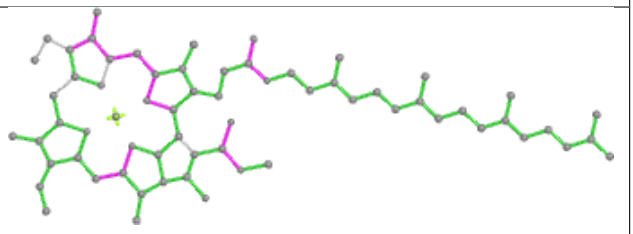


Rings

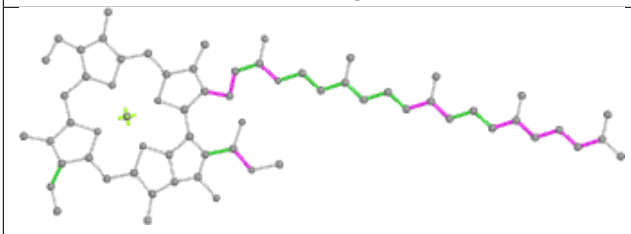
Ligand CLA G 810



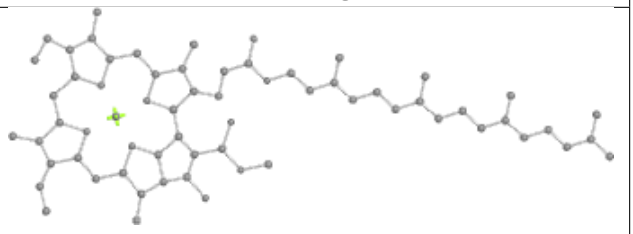
Bond lengths



Bond angles

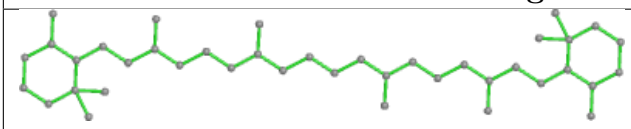


Torsions

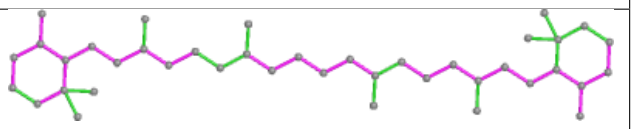


Rings

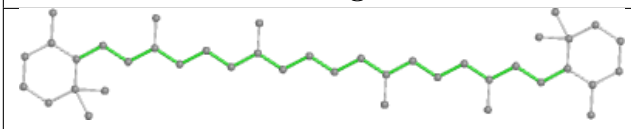
Ligand BCR a 845



Bond lengths



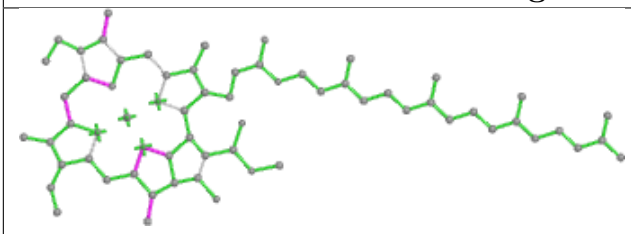
Bond angles



Torsions

Rings

Ligand CLA g 830



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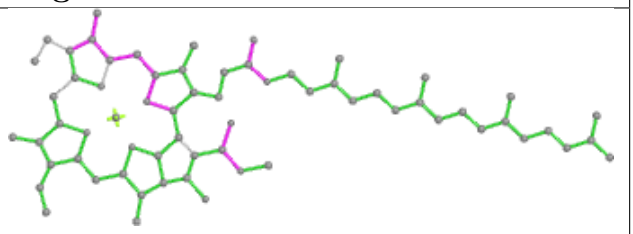
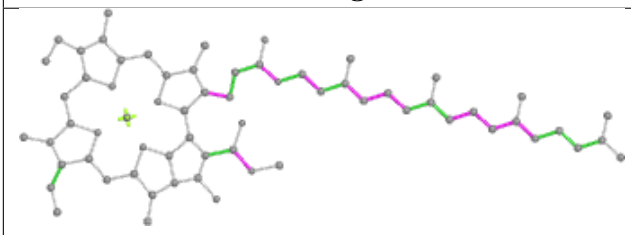
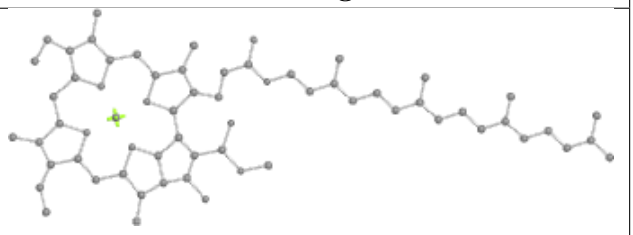


Bond angles

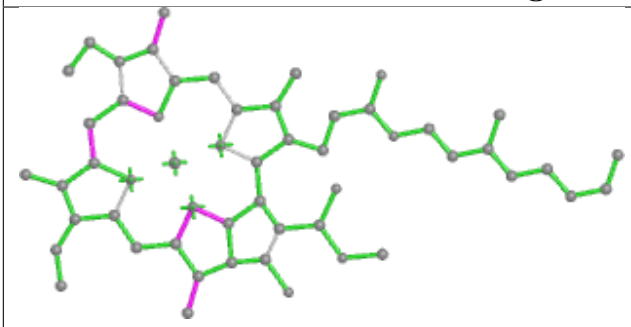


Torsions

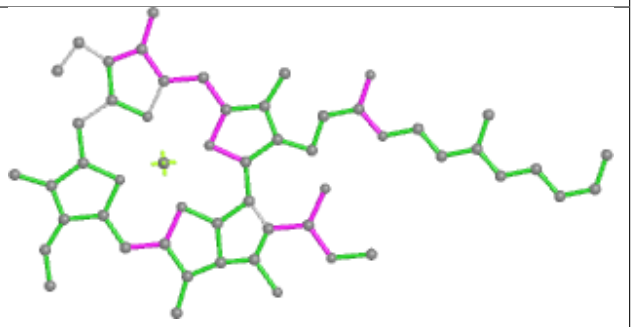


Rings

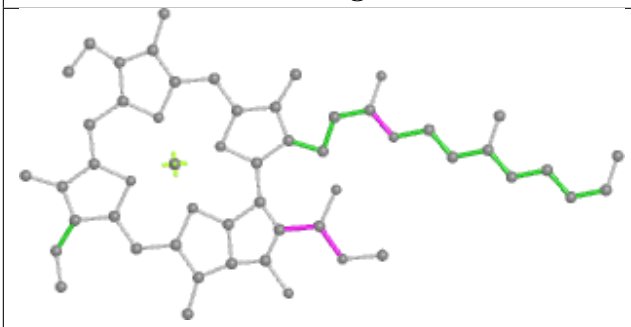
Ligand CLA b 834



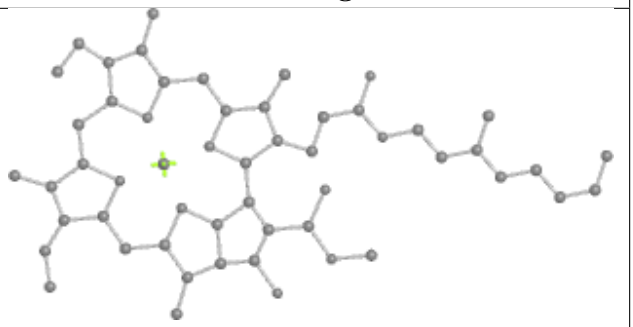
Bond lengths



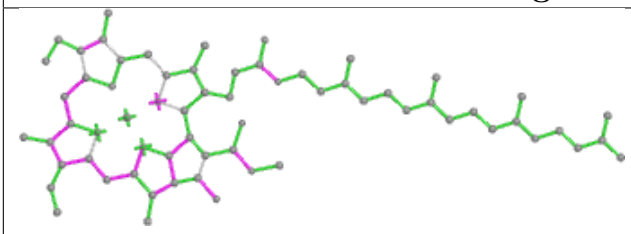
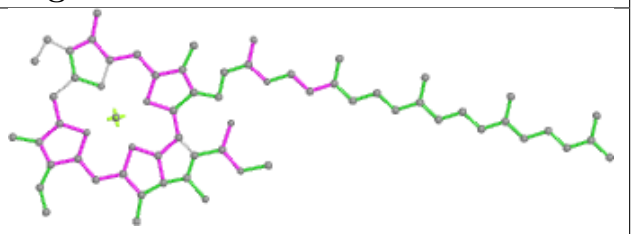
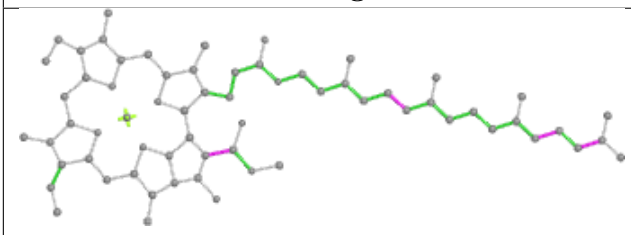
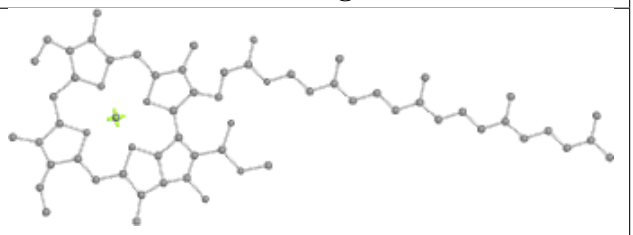
Bond angles

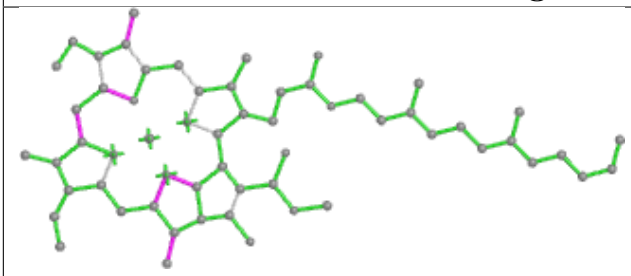
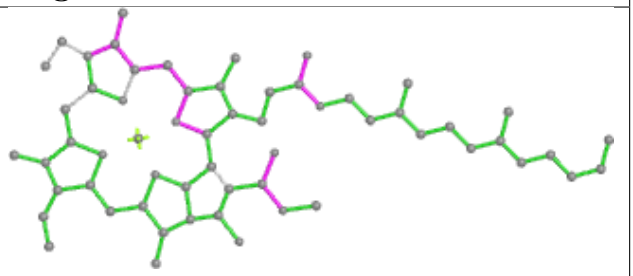
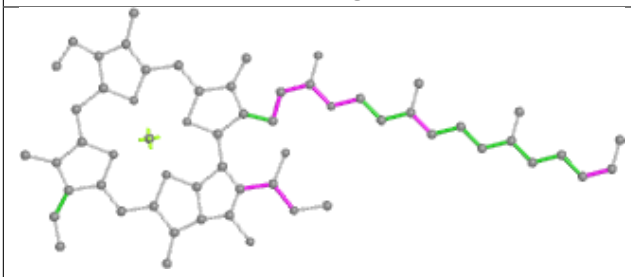
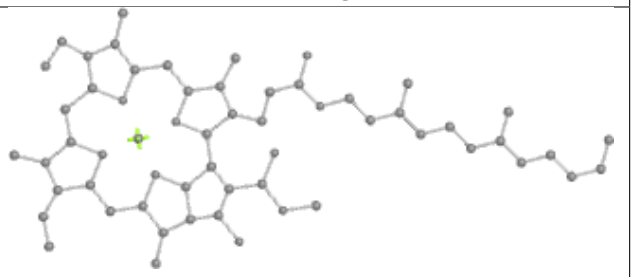


Torsions

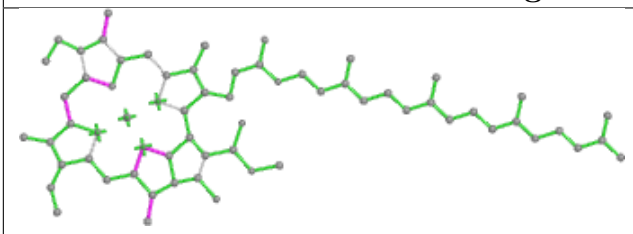


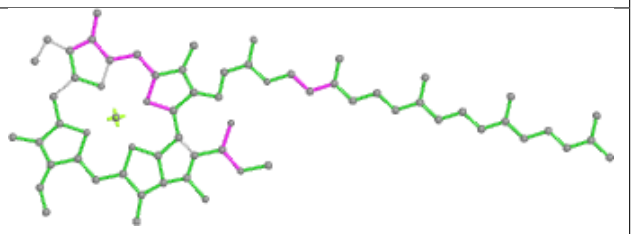
Rings

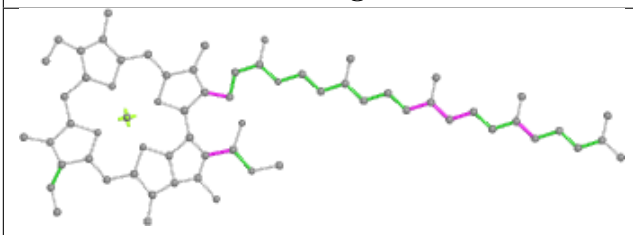
Ligand CL0 g 851	
 Bond lengths	 Bond angles
 Torsions	 Rings

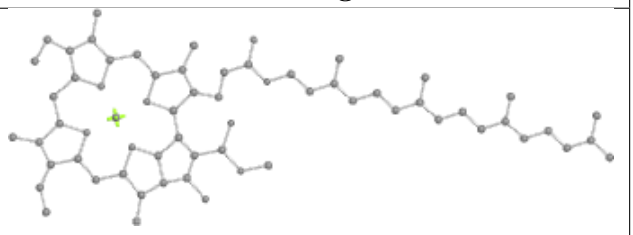
Ligand CLA g 810	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA B 827

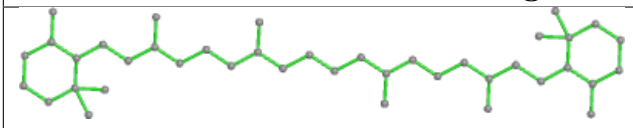

Bond lengths

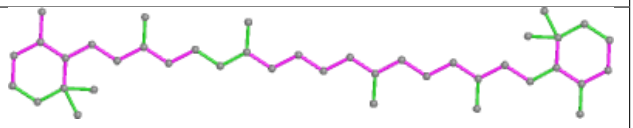

Bond angles

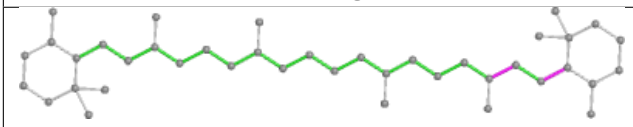

Torsions


Rings

Ligand BCR B 851

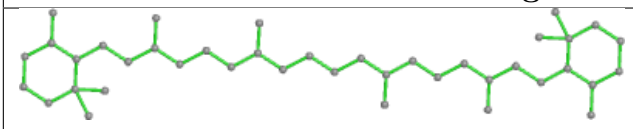

Bond lengths

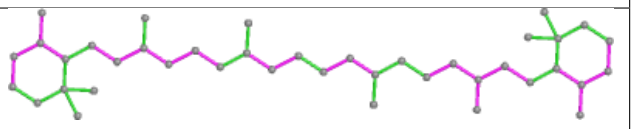

Bond angles

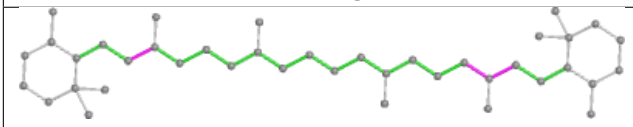

Torsions

Rings

Ligand BCR w 201

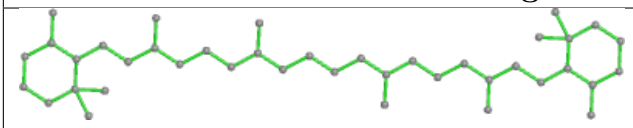

Bond lengths

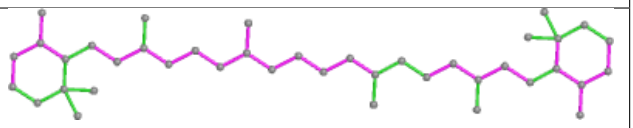

Bond angles

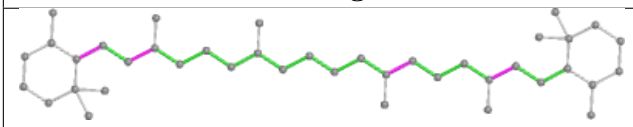

Torsions

Rings

Ligand BCR N 847

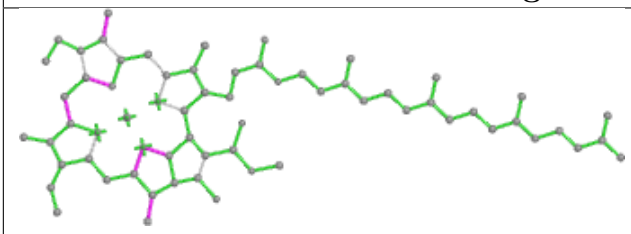

Bond lengths


Bond angles


Torsions

Rings

Ligand CLA G 818



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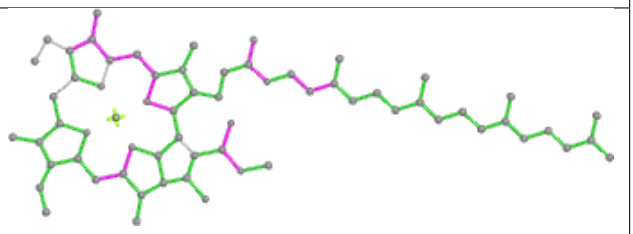
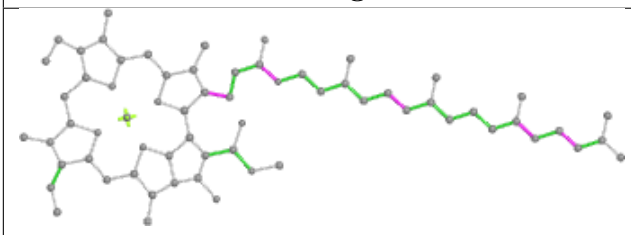
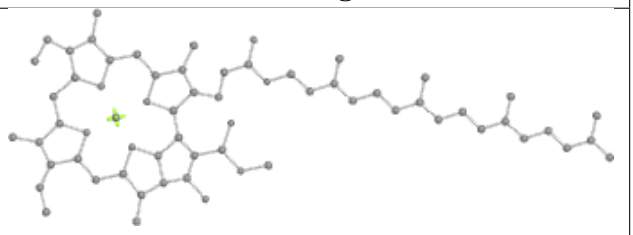


Bond angles

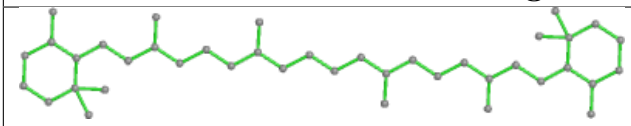


Torsions

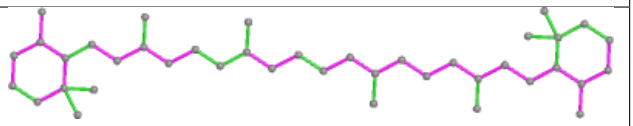


Rings

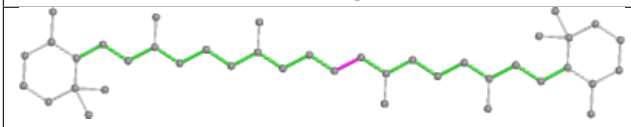
Ligand BCR b 852



Bond lengths



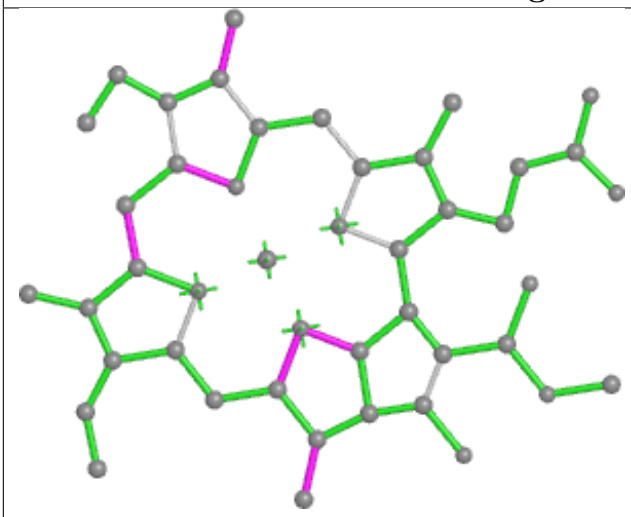
Bond angles



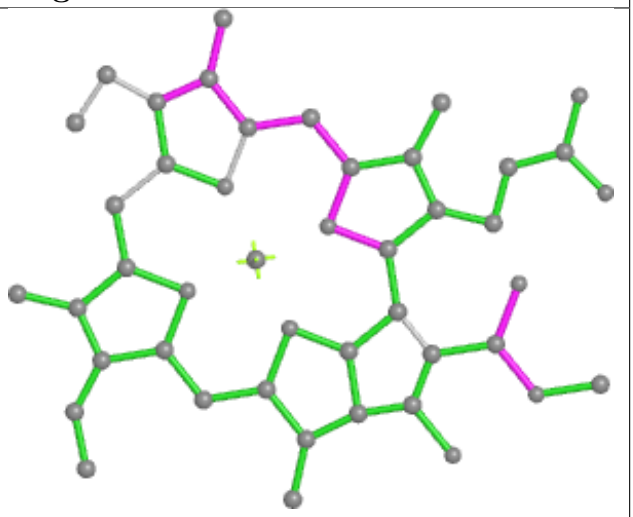
Torsions

Rings

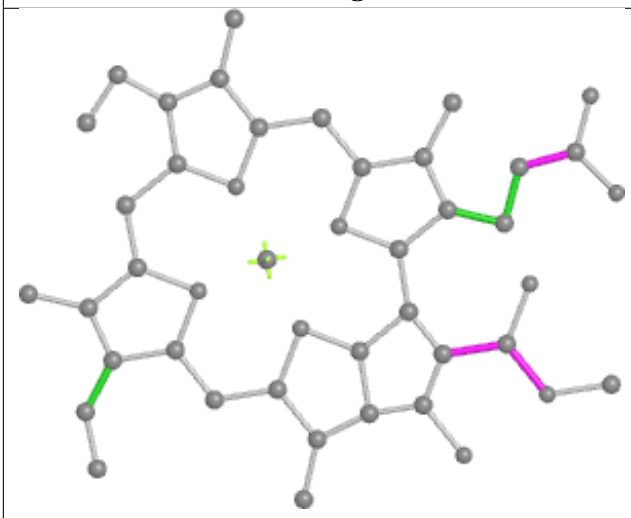
Ligand CLA g 813



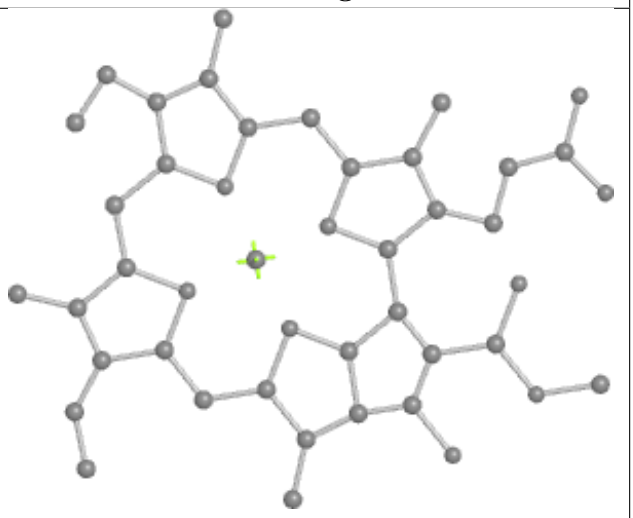
Bond lengths



Bond angles

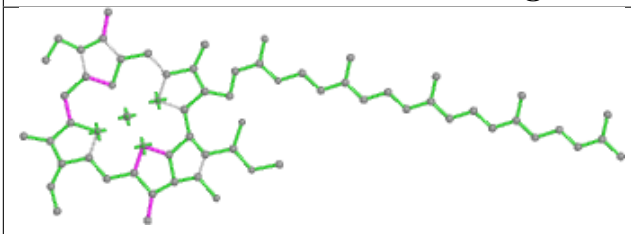


Torsions

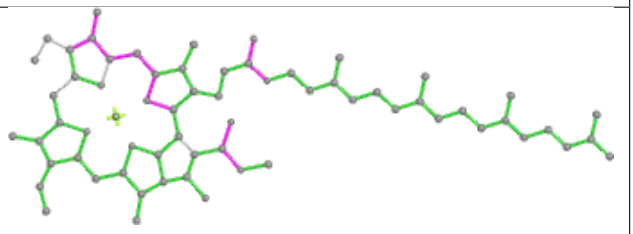


Rings

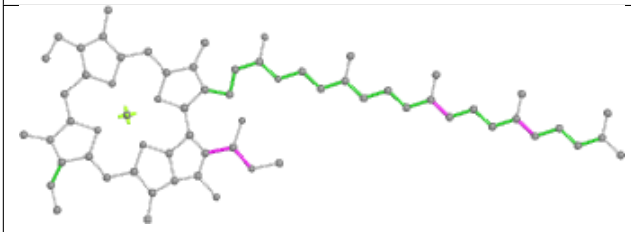
Ligand CLA B 825



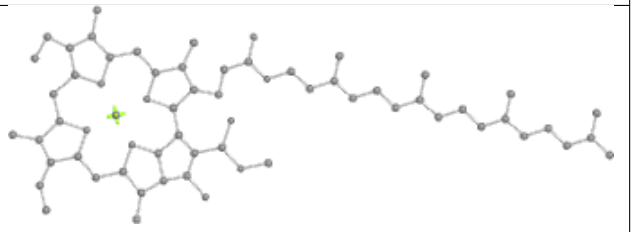
Bond lengths



Bond angles

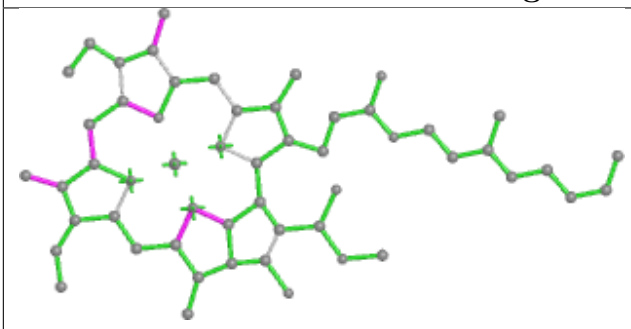


Torsions

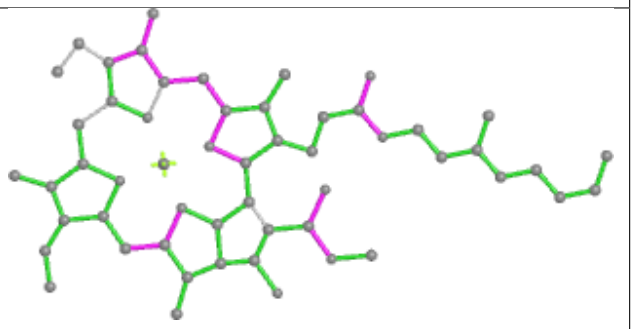


Rings

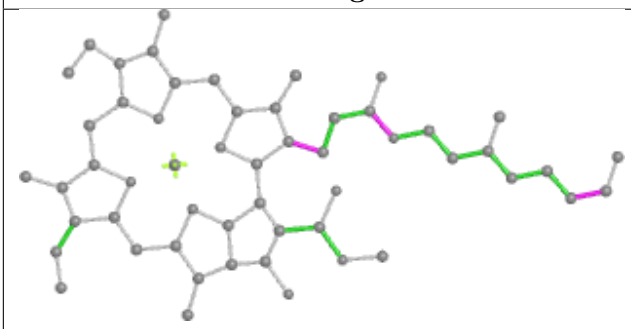
Ligand CLA G 803



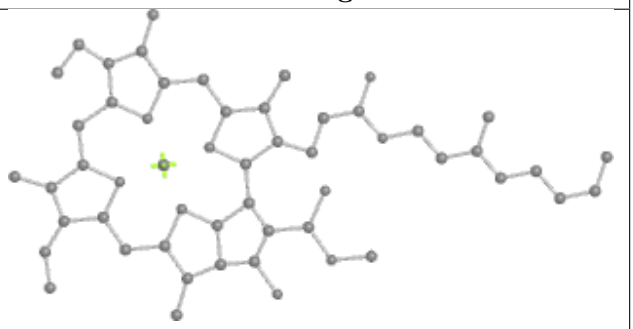
Bond lengths



Bond angles

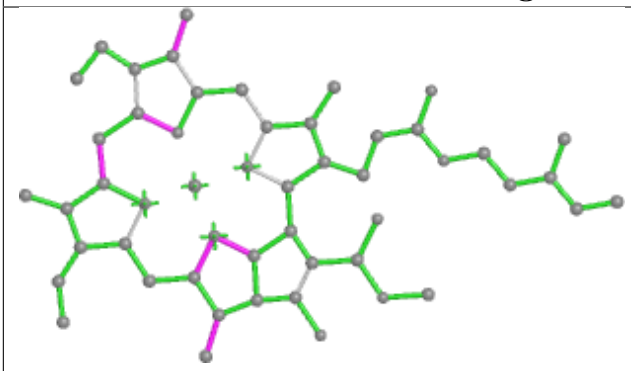


Torsions

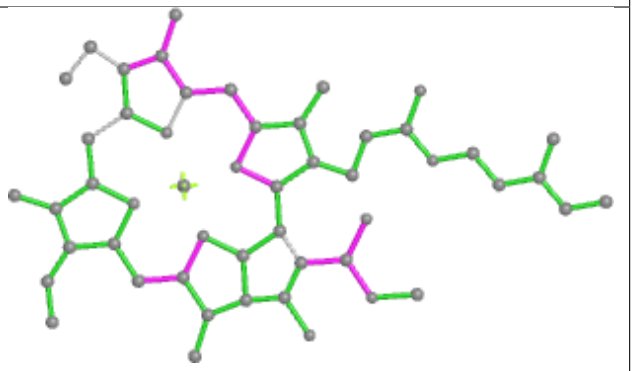


Rings

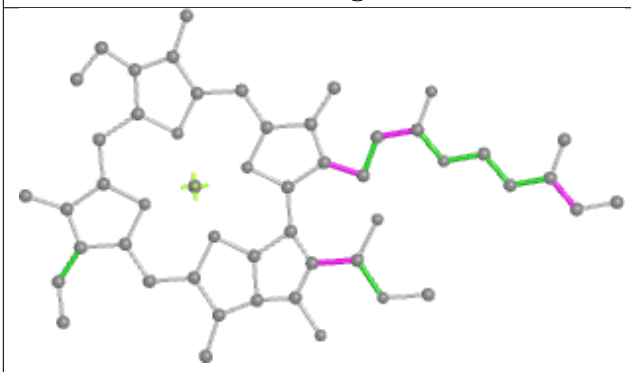
Ligand CLA L 1501



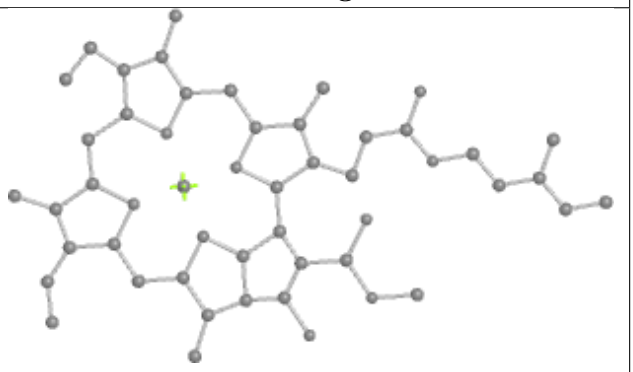
Bond lengths



Bond angles

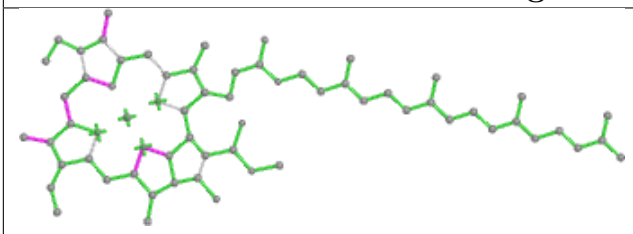


Torsions

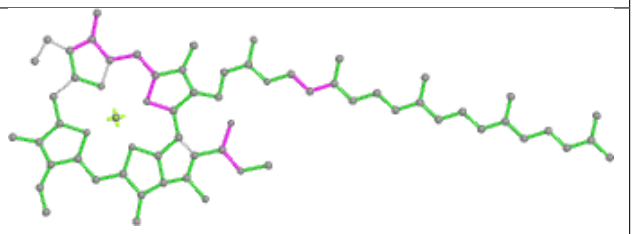


Rings

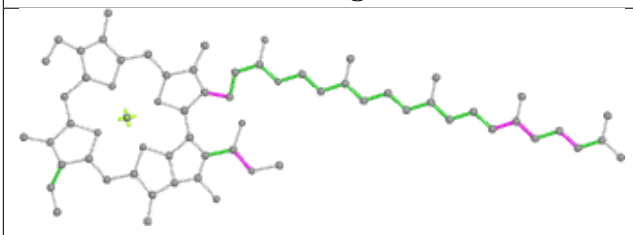
Ligand CLA b 827



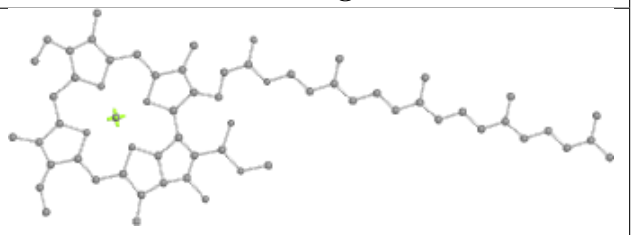
Bond lengths



Bond angles

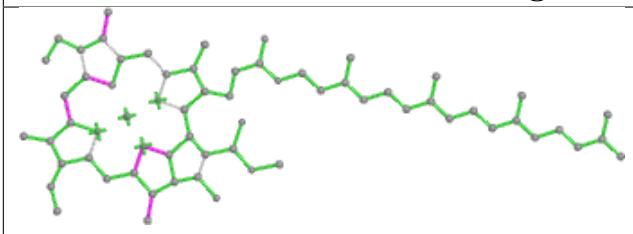


Torsions

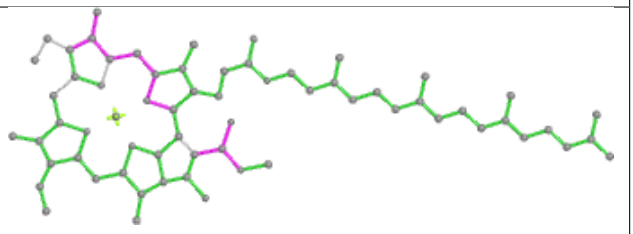


Rings

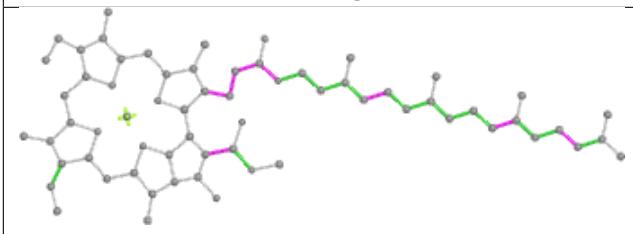
Ligand CLA a 806



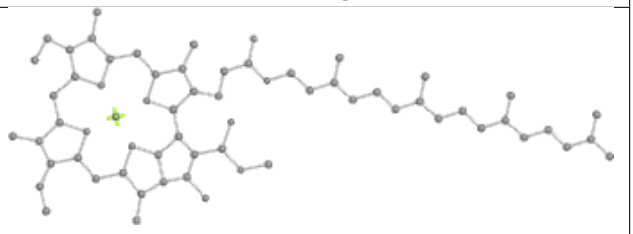
Bond lengths



Bond angles

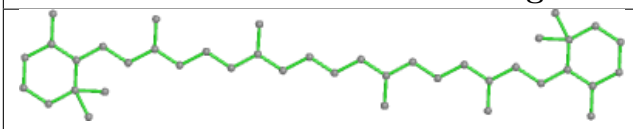


Torsions

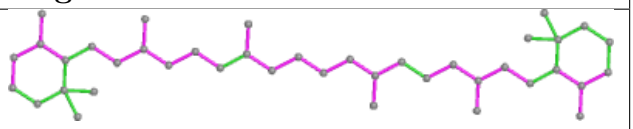


Rings

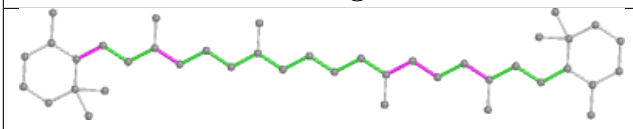
Ligand BCR g 846



Bond lengths

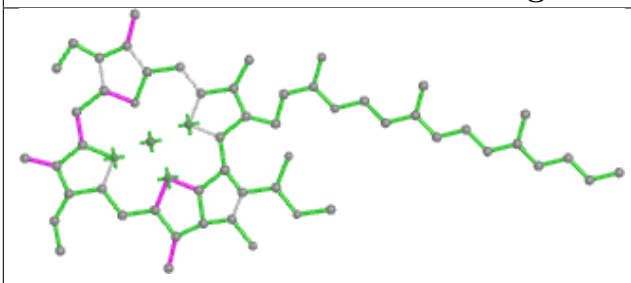
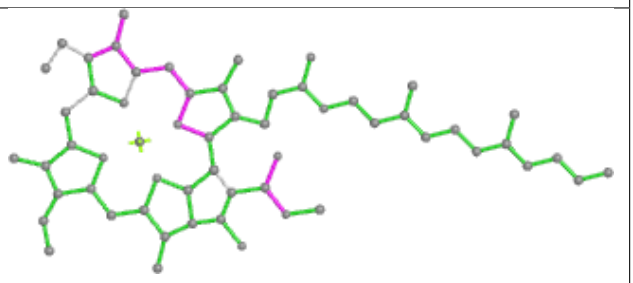
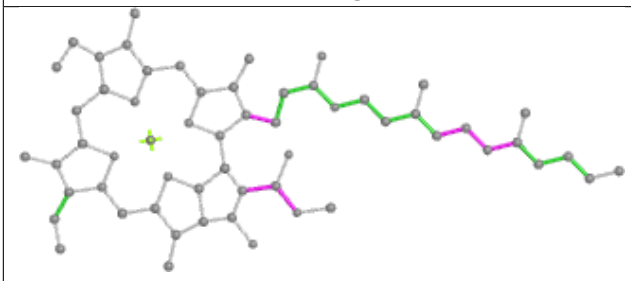
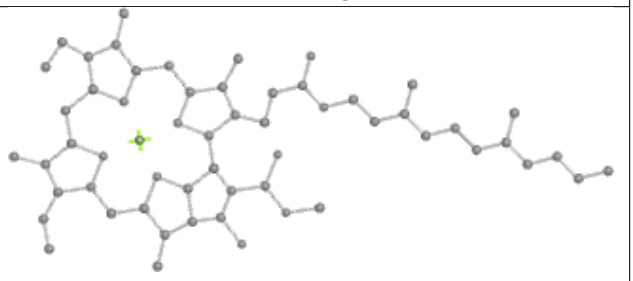


Bond angles

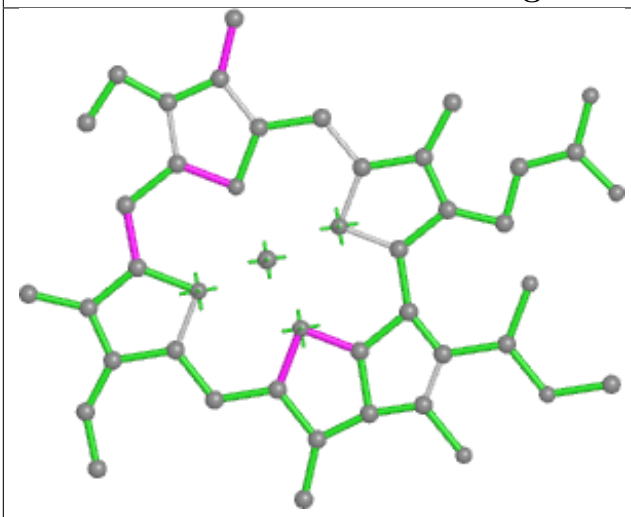


Torsions

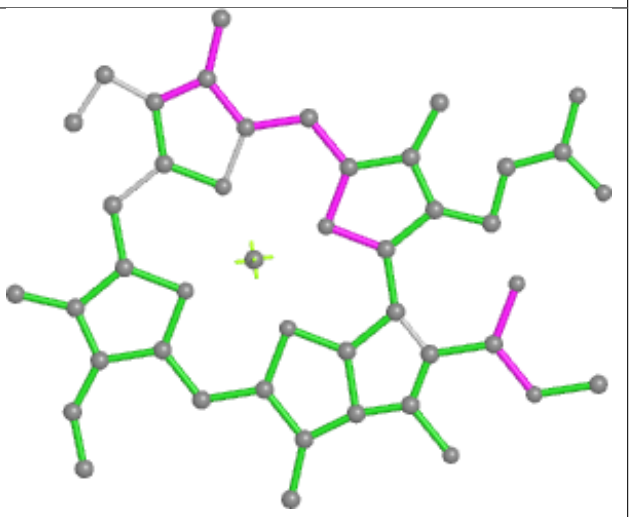
Rings

Ligand CLA b 851	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

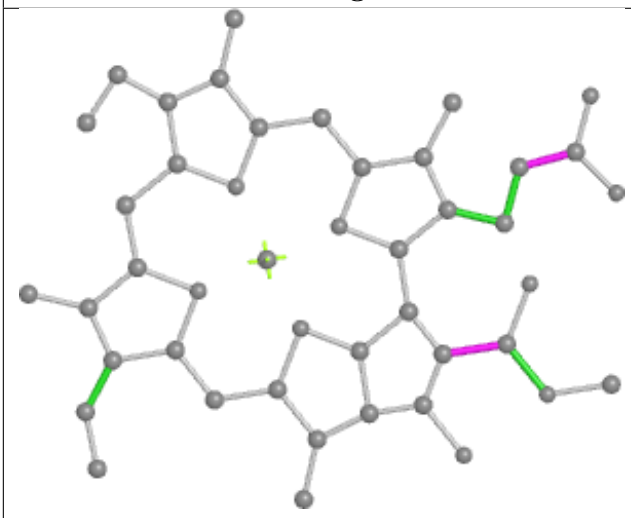
Ligand CLA N 823



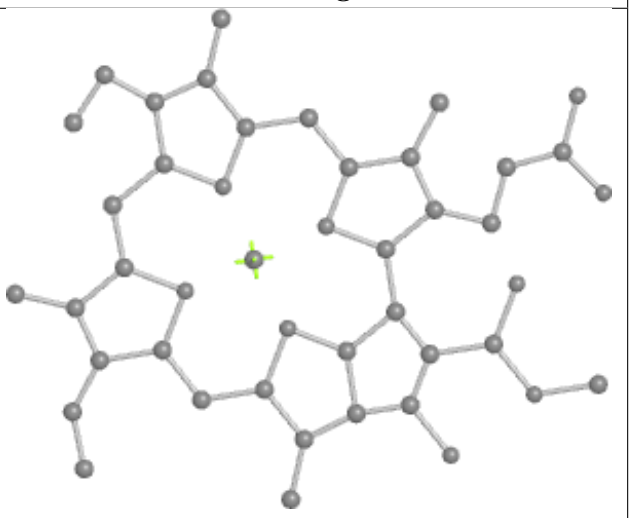
Bond lengths



Bond angles

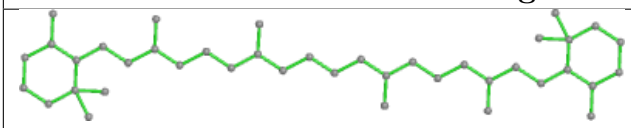


Torsions

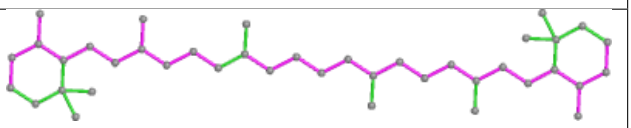


Rings

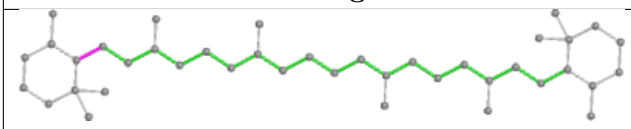
Ligand BCR M 101



Bond lengths

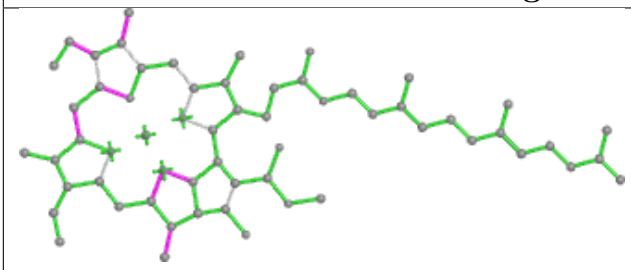
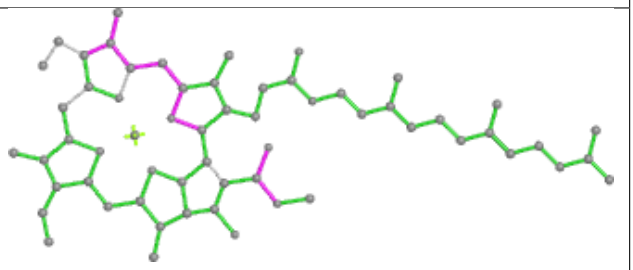
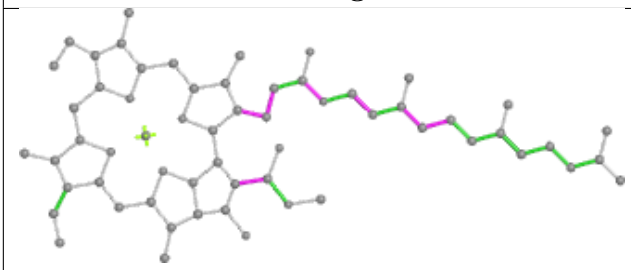
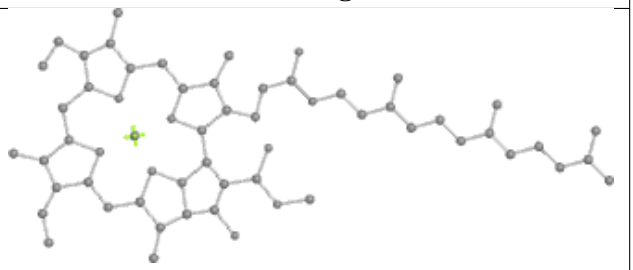


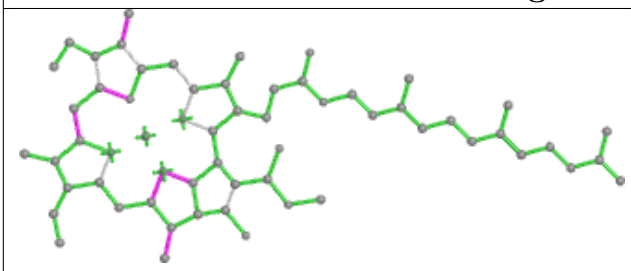
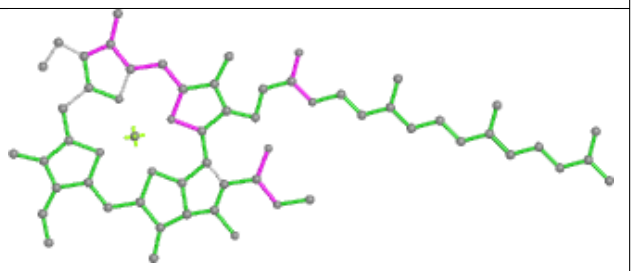
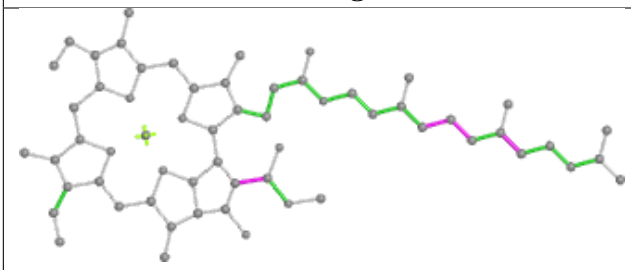
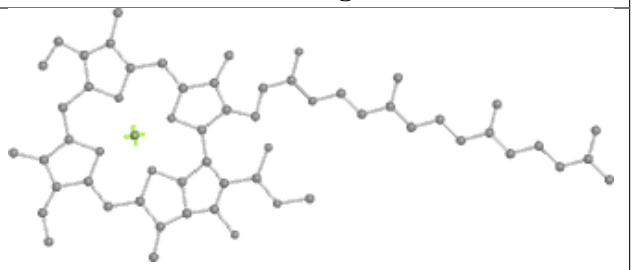
Bond angles



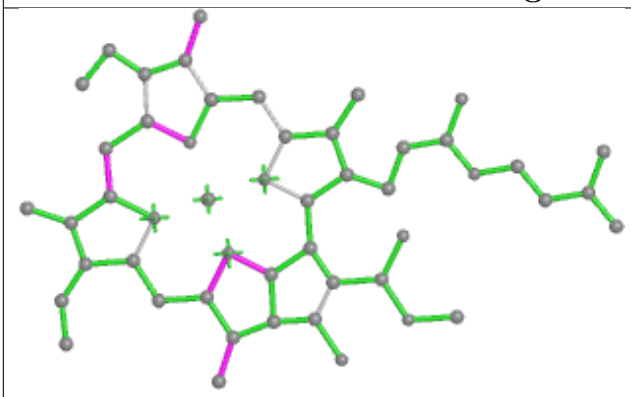
Torsions

Rings

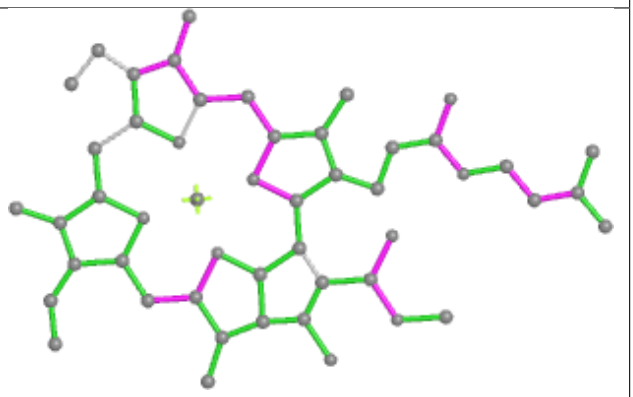
Ligand CLA G 817	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA a 805	
	
Bond lengths	Bond angles
	
Torsions	Rings

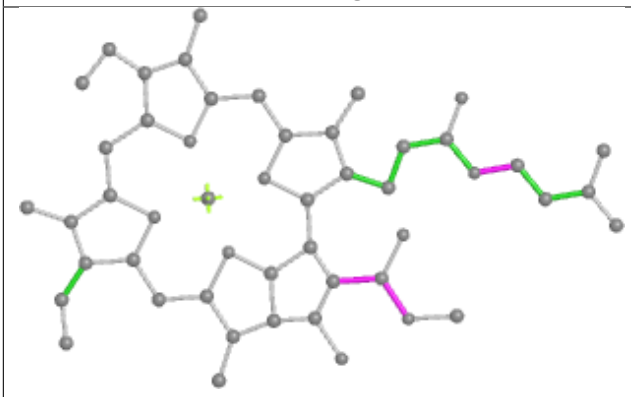
Ligand CLA B 815



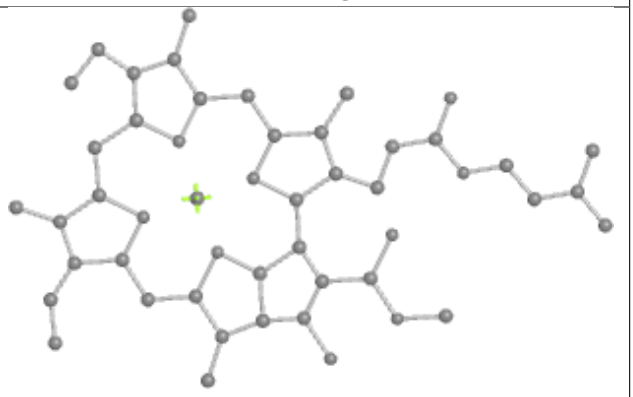
Bond lengths



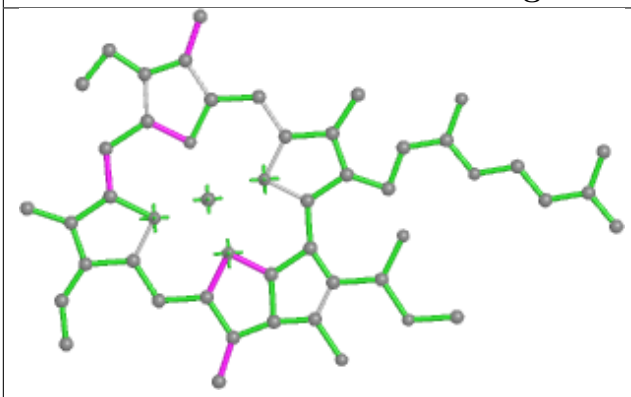
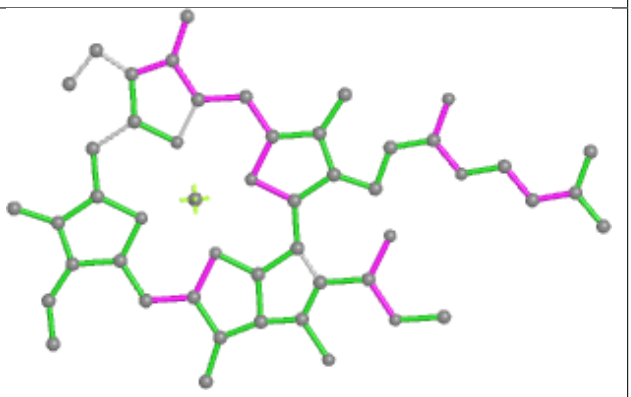
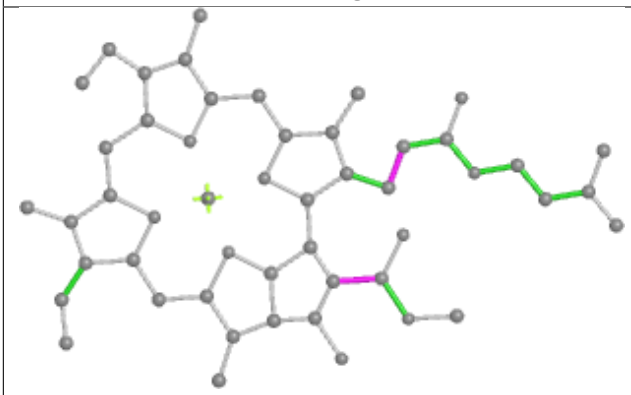
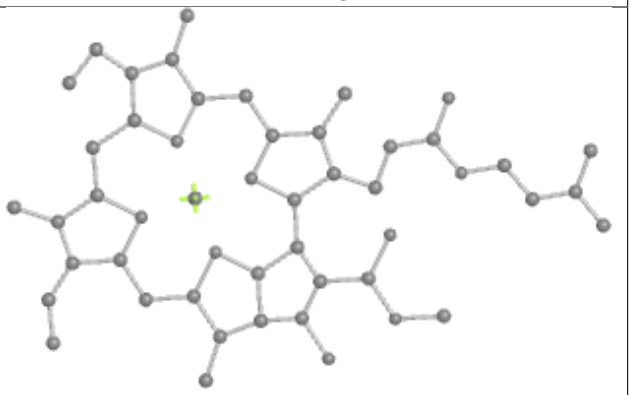
Bond angles

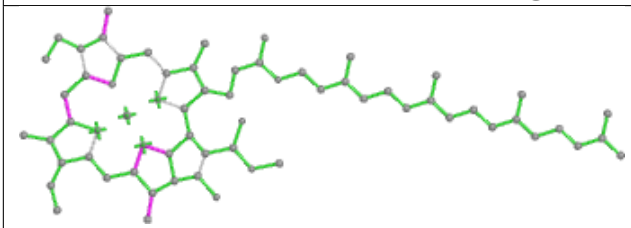
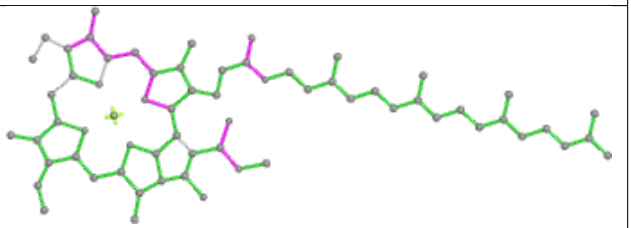
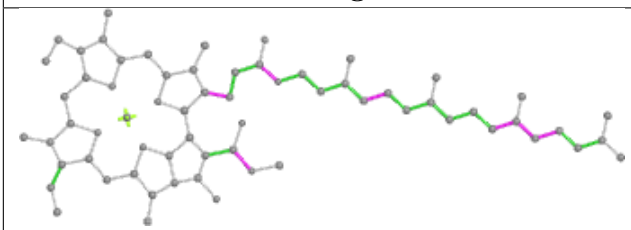
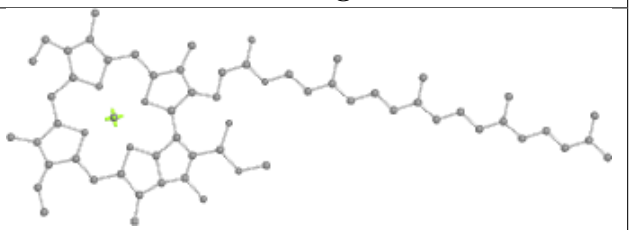


Torsions

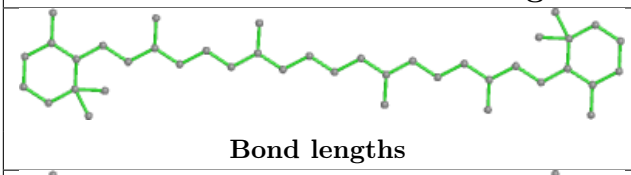


Rings

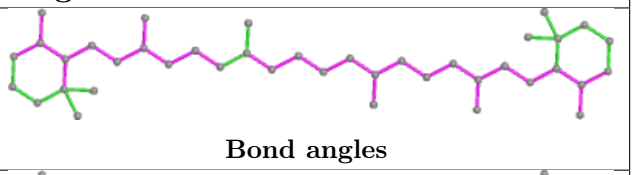
Ligand CLA N 816	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA n 817	
 Bond lengths	 Bond angles
 Torsions	 Rings

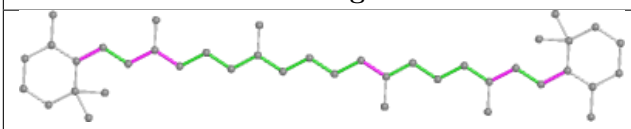
Ligand BCR g 848



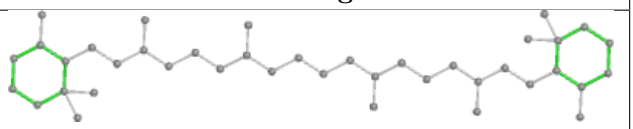
Bond lengths



Bond angles

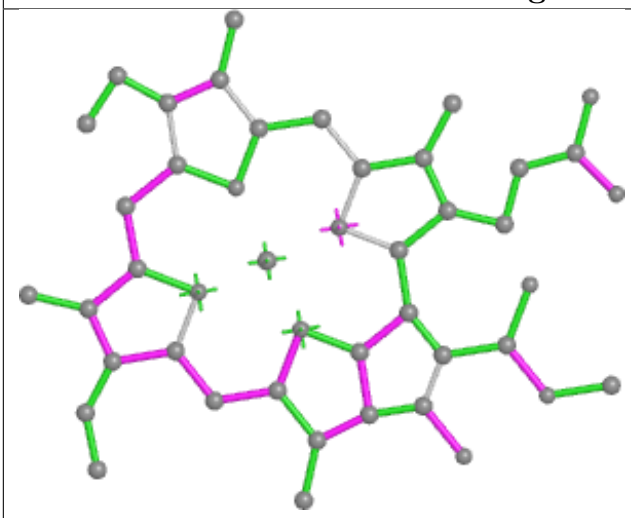


Torsions

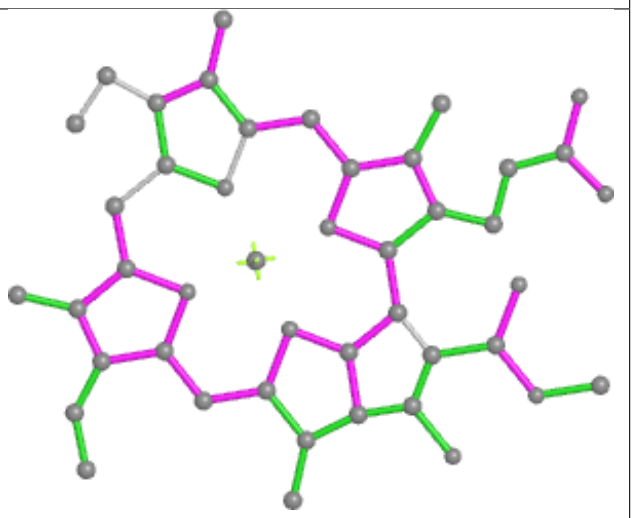


Rings

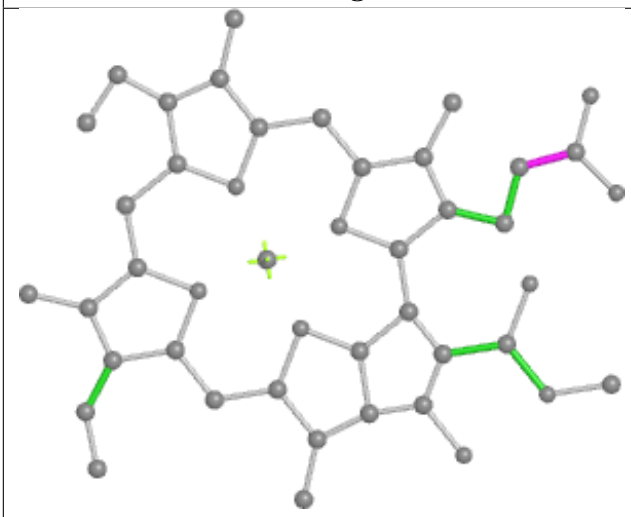
Ligand CL0 A 852



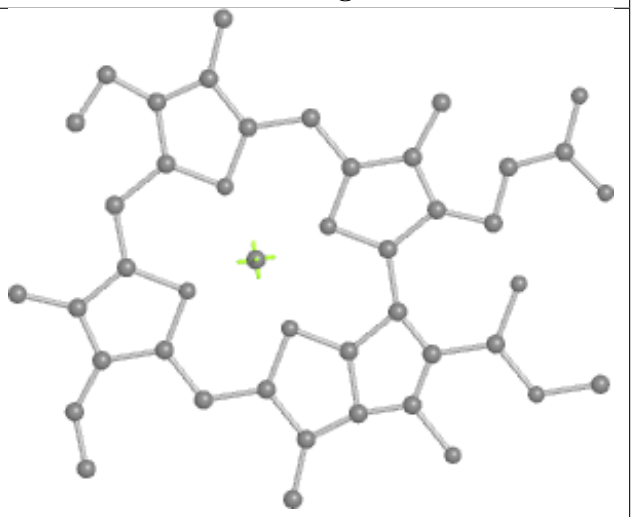
Bond lengths



Bond angles

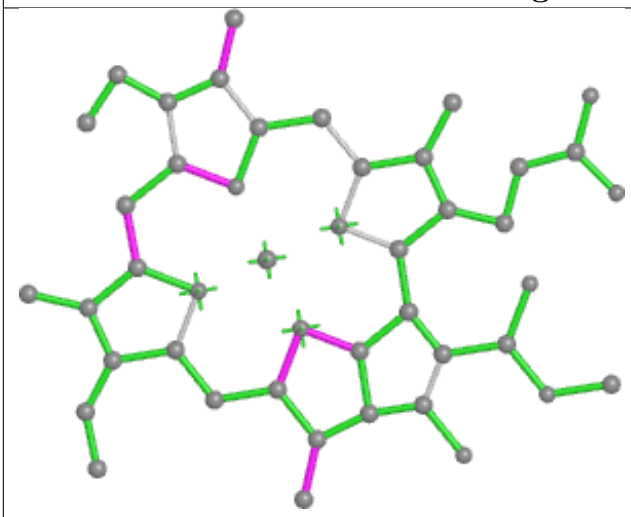


Torsions



Rings

Ligand CLA j 101



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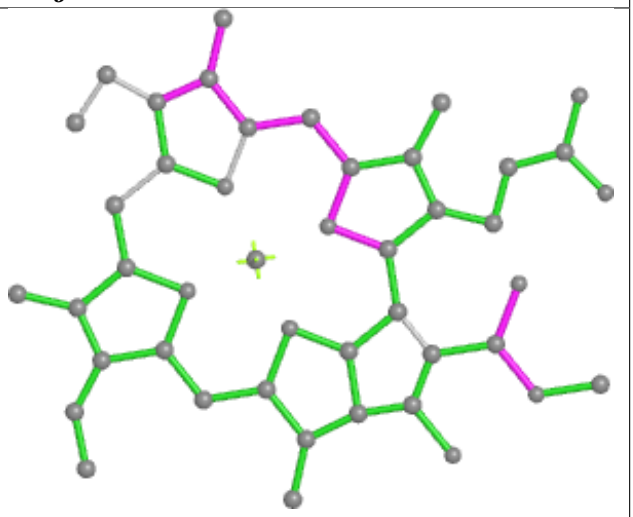
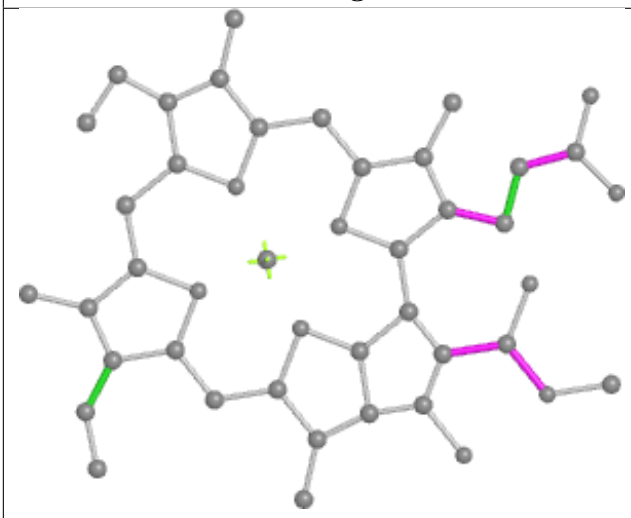


Bond angles



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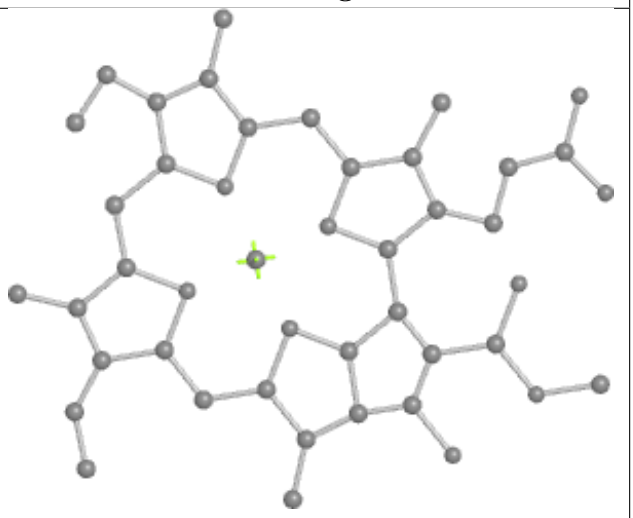
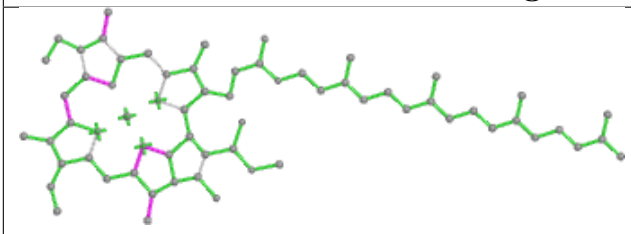


Rings

Ligand CLA N 839



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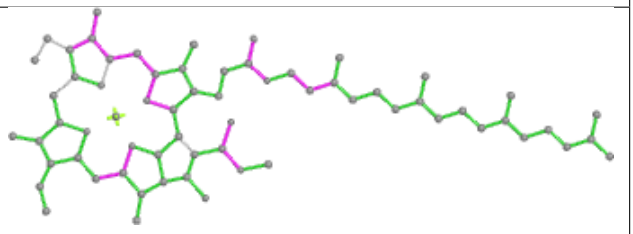
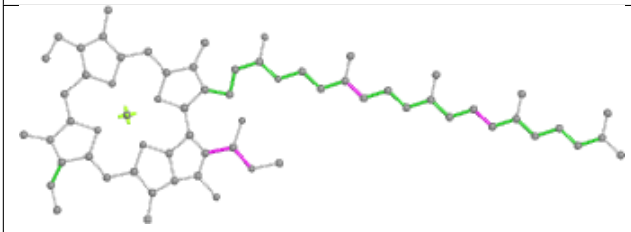


Bond angles



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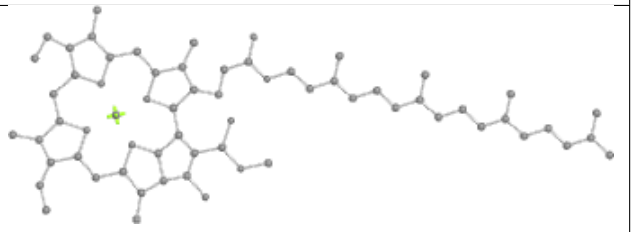
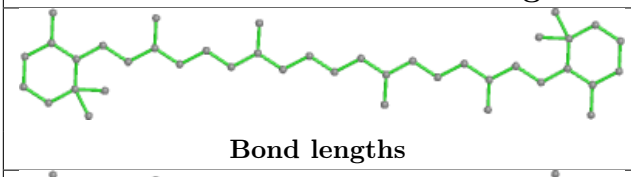
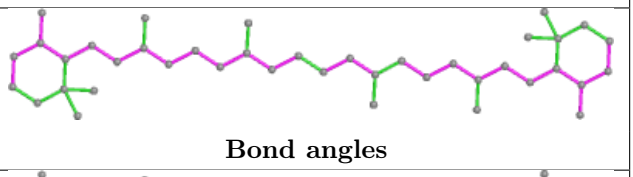


Rings

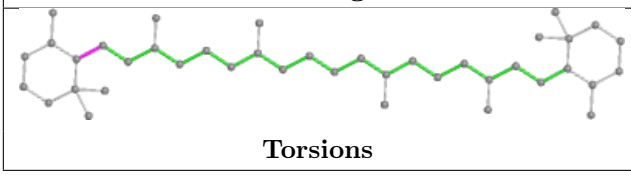
Ligand BCR T 103



Bond lengths



Bond angles



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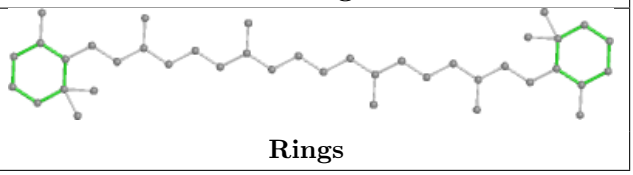
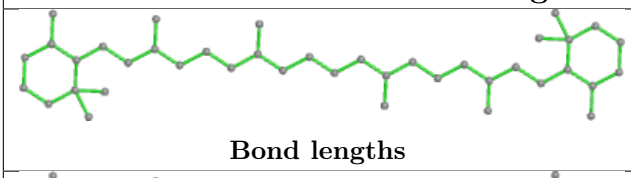
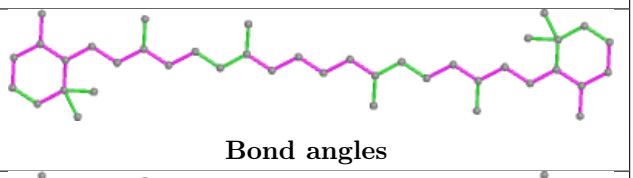


Rings

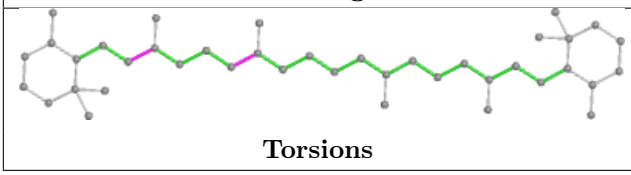
Ligand BCR l 206



Bond lengths



Bond angles



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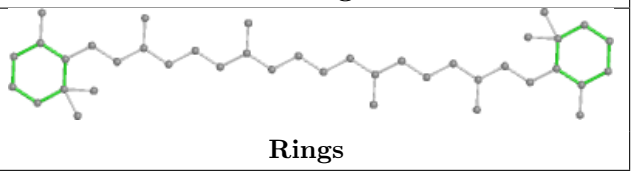
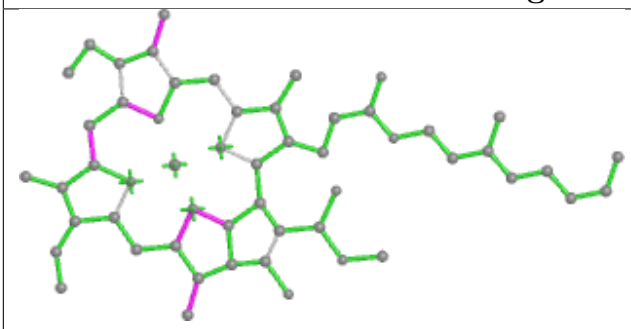


Rings

Ligand CLA b 831



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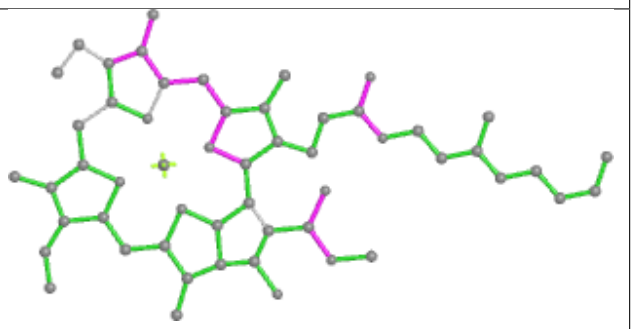
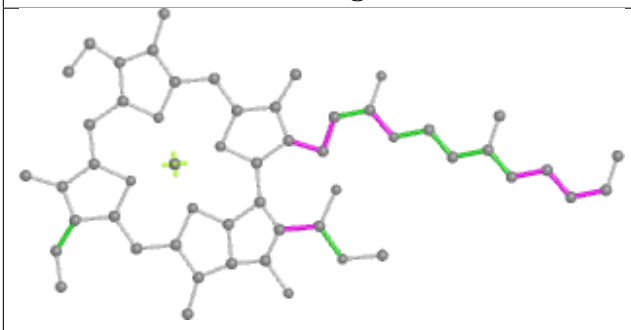


Bond angles



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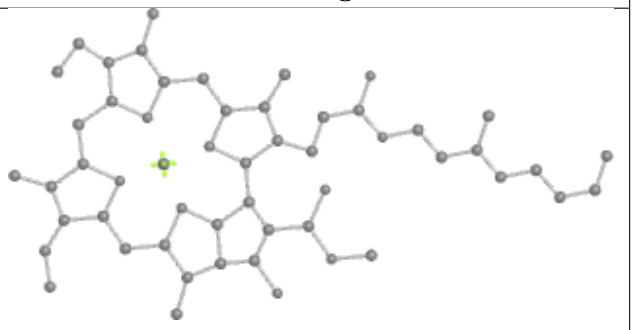
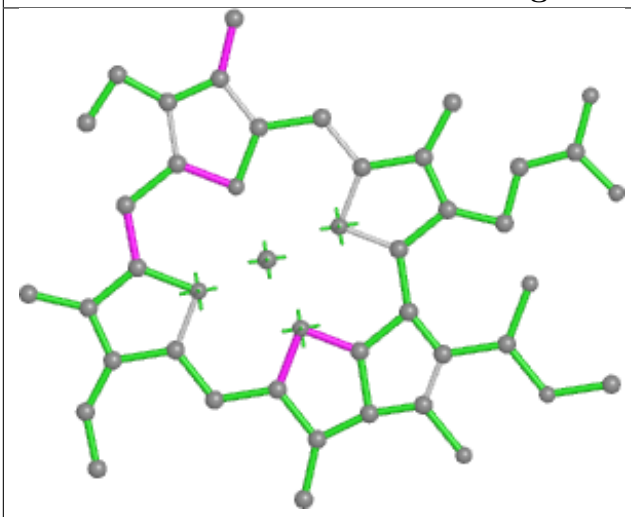


Rings

Ligand CLA t 101



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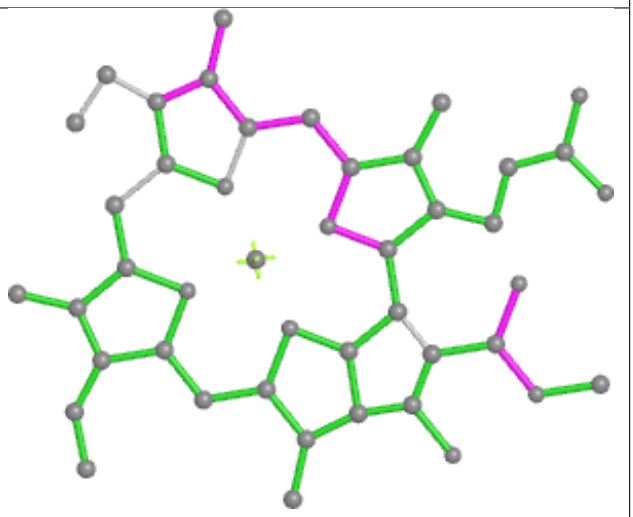
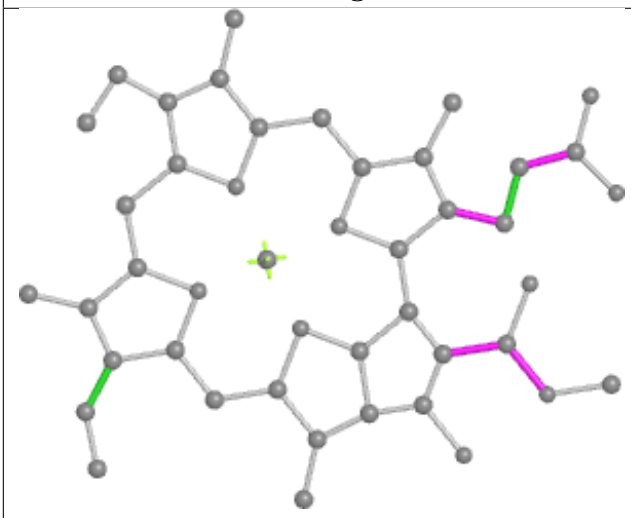


Bond angles



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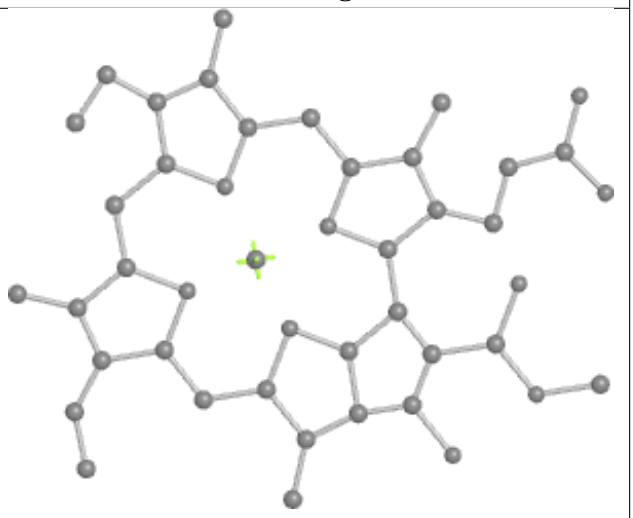
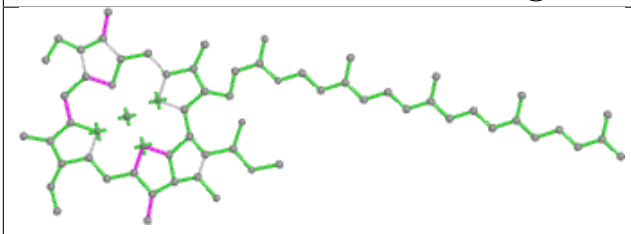


Rings

Ligand CLA n 829



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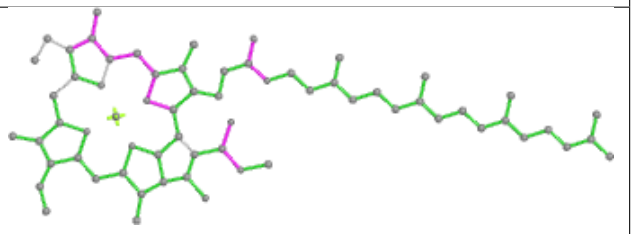

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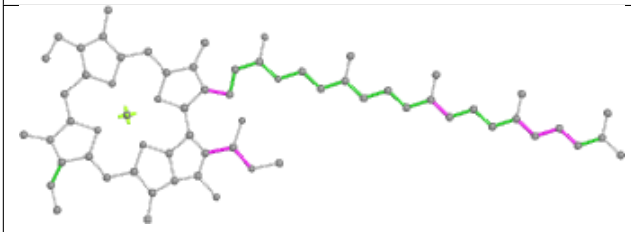

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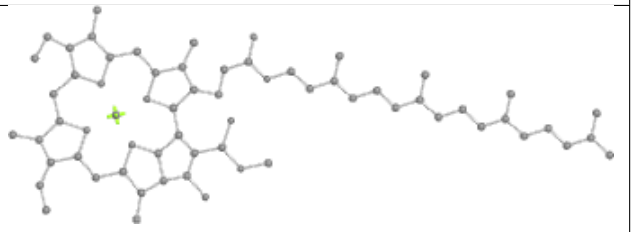
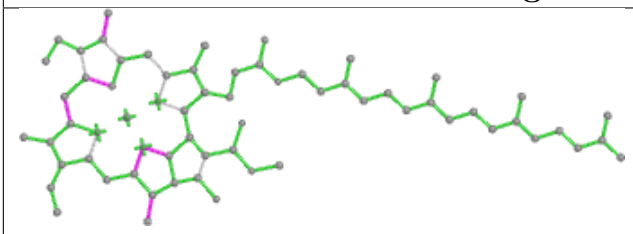


Rings

Ligand CLA N 831



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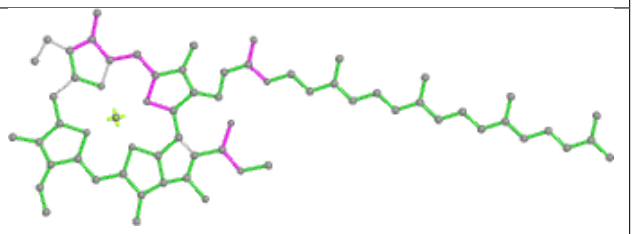
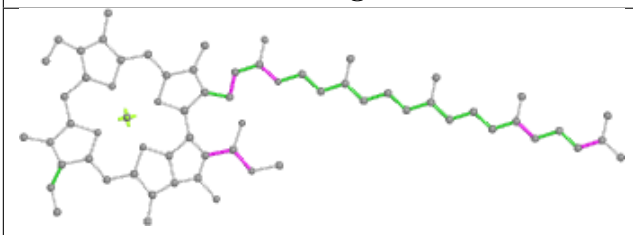


Bond angles



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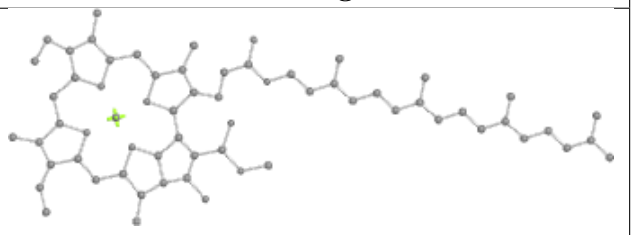
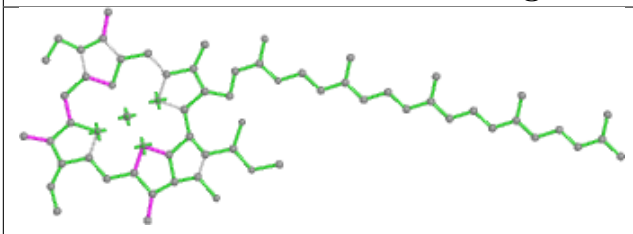


Rings

Ligand CLA G 829



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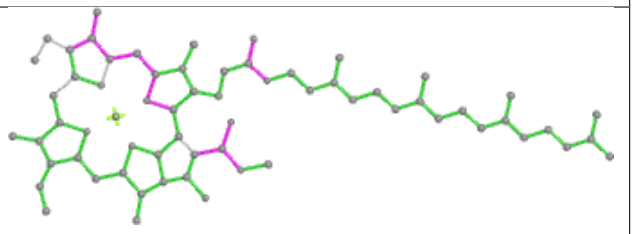
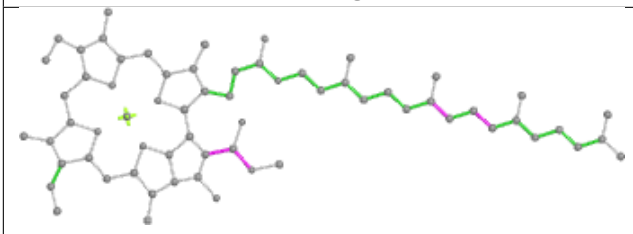


Bond angles



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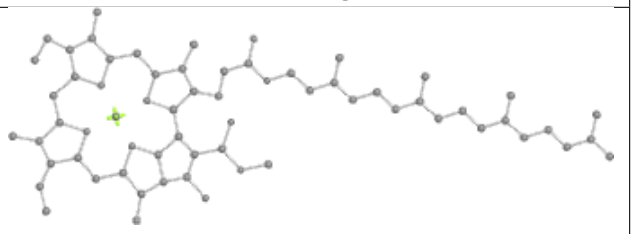
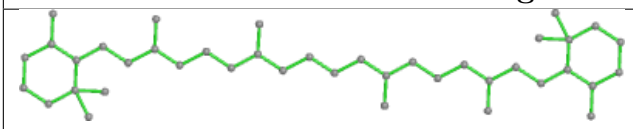


Rings

Ligand BCR W 205



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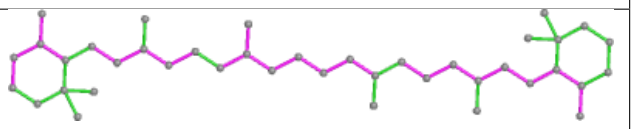
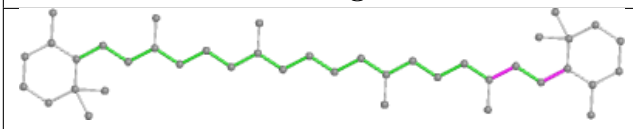
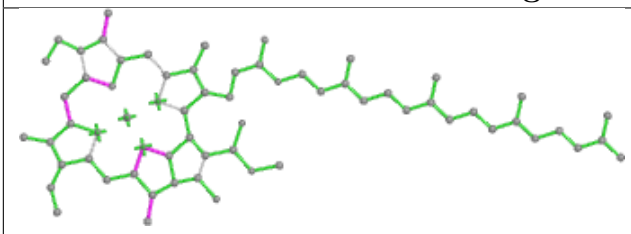
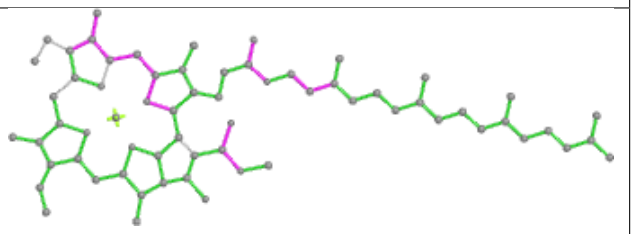
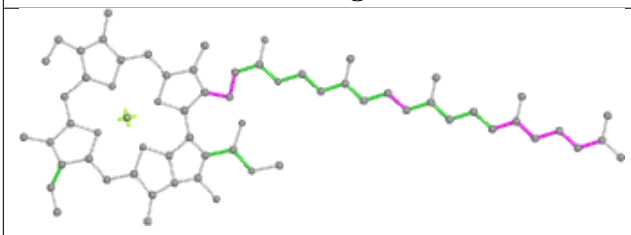
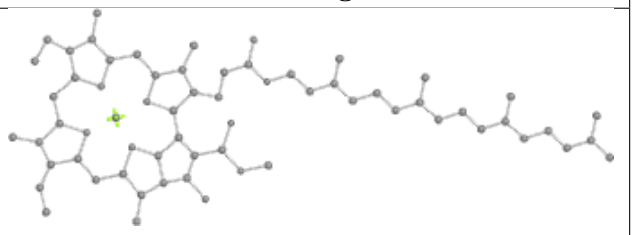


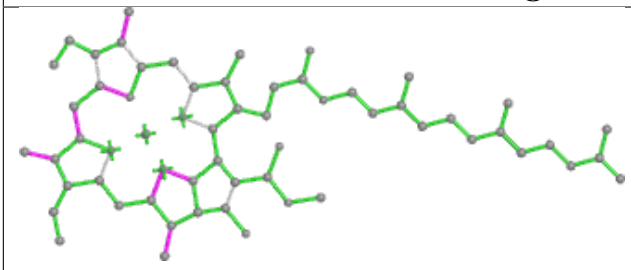
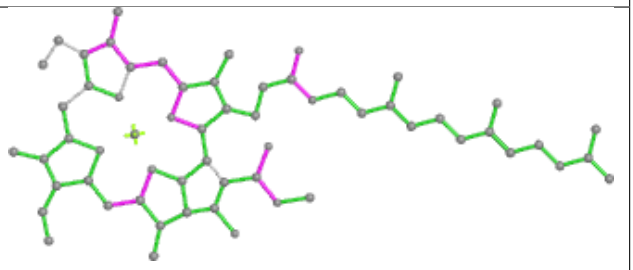
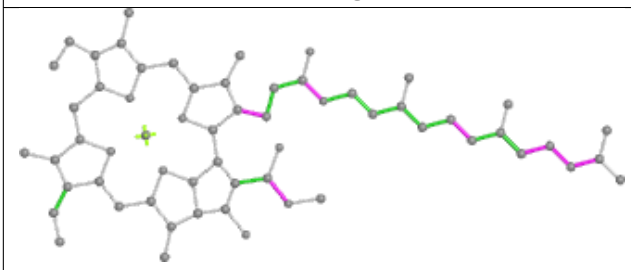
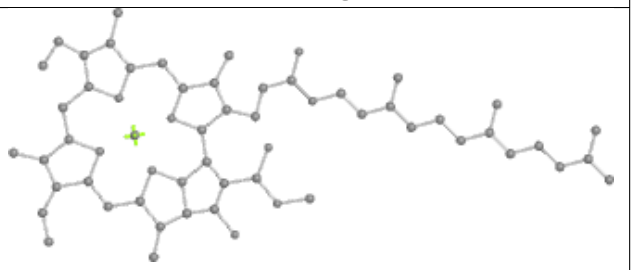
Bond angles



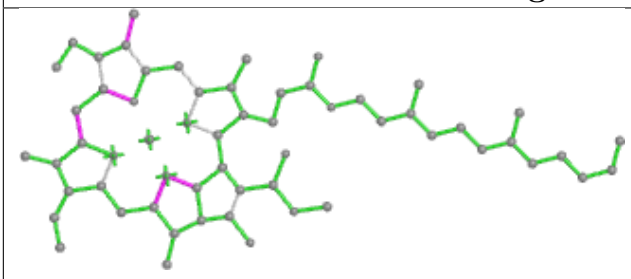
Torsions

Rings

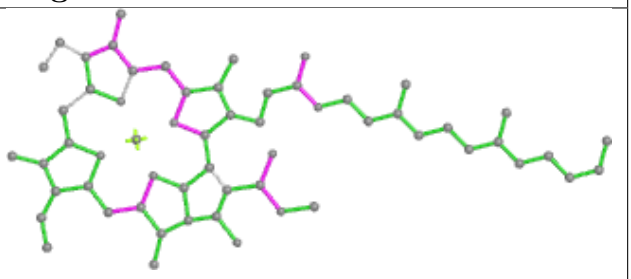
Ligand CLA G 828	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA B 837	
 Bond lengths	 Bond angles
 Torsions	 Rings

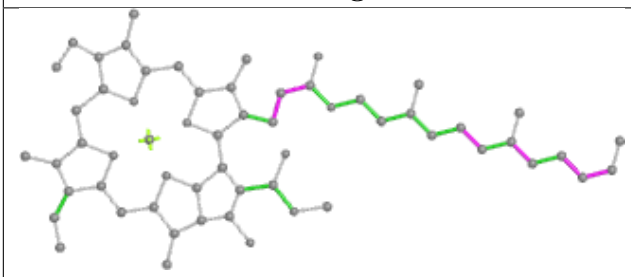
Ligand CLA g 815



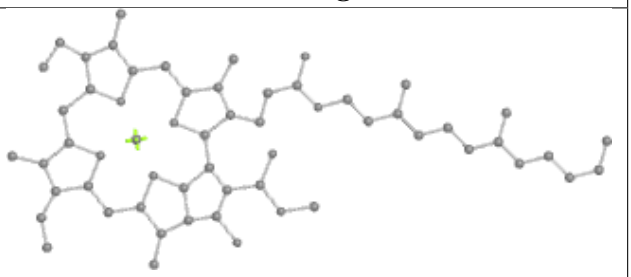
Bond lengths



Bond angles

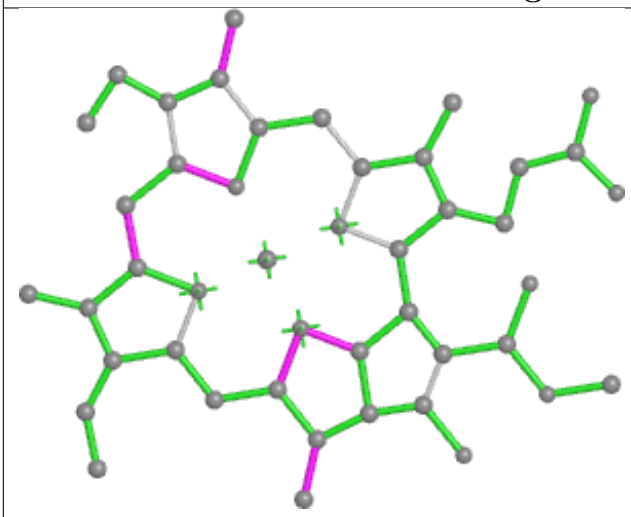


Torsions

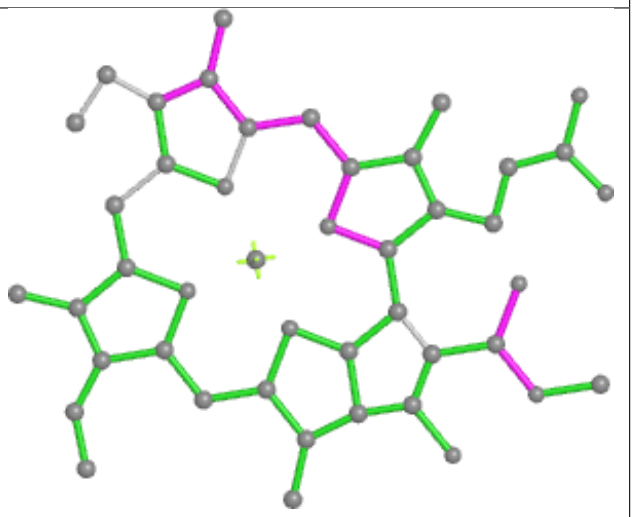


Rings

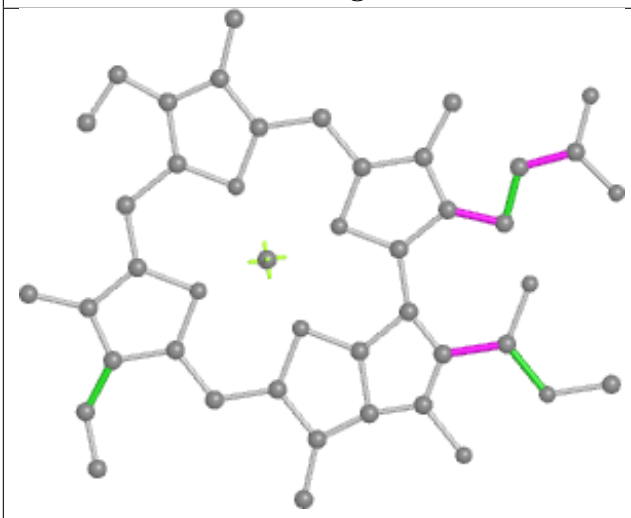
Ligand CLA B 822



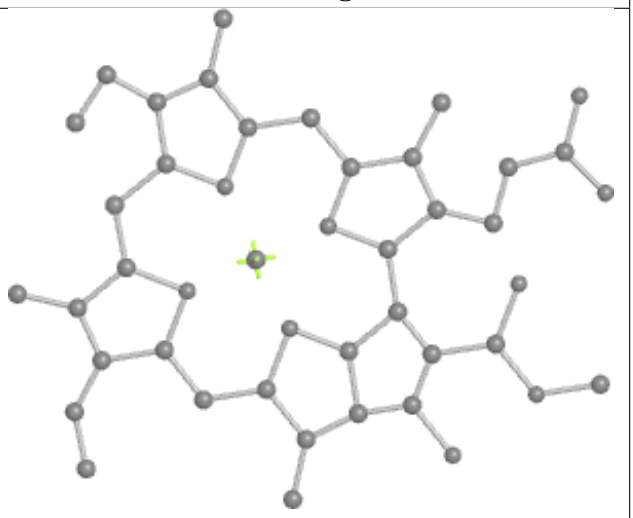
Bond lengths



Bond angles

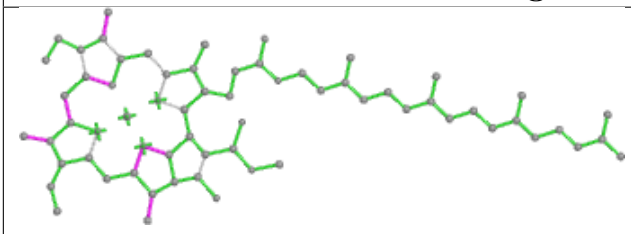


Torsions

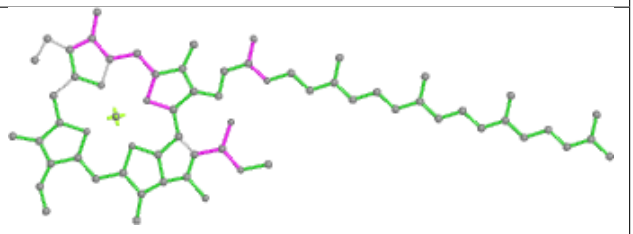


Rings

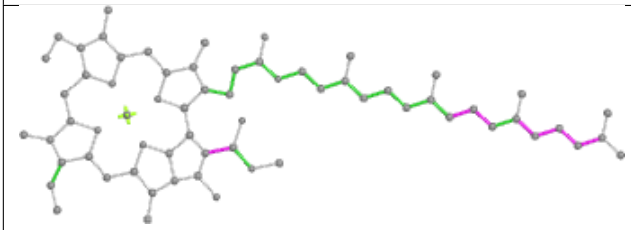
Ligand CLA n 808



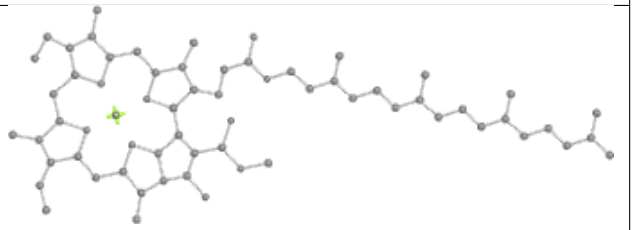
Bond lengths



Bond angles

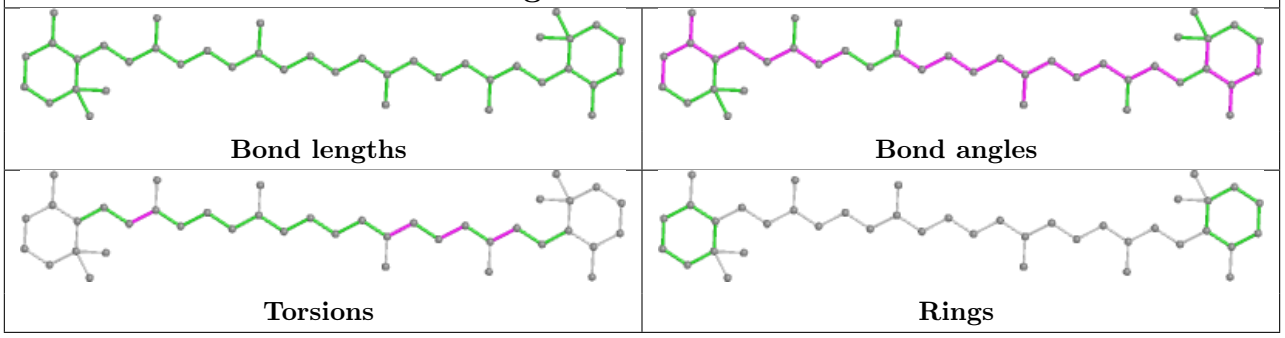


Torsions

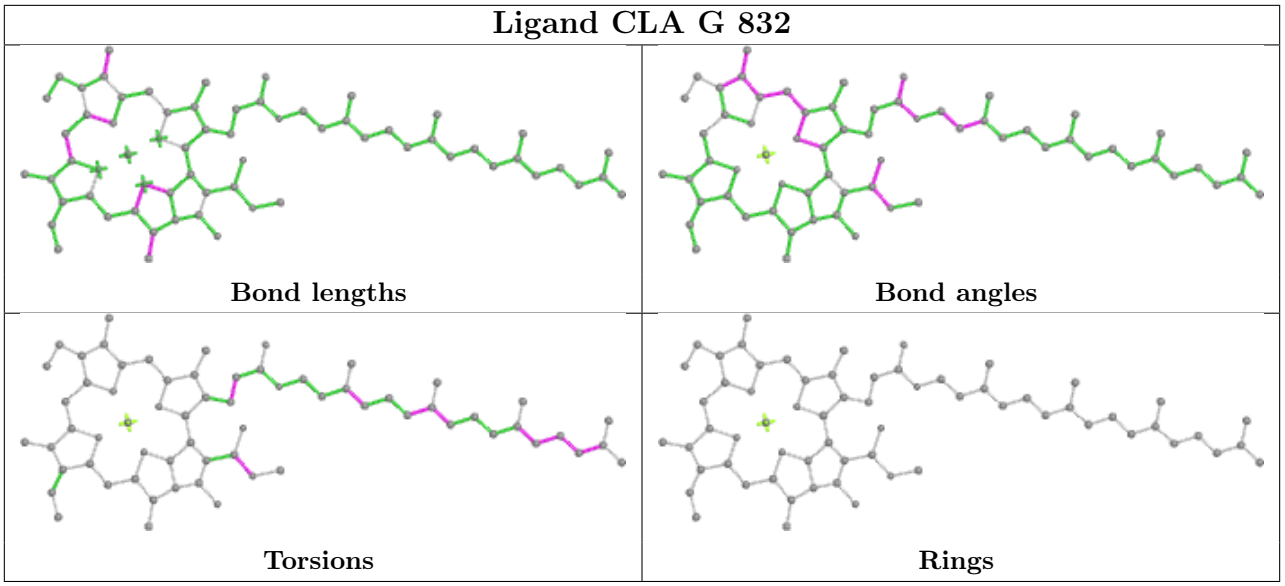


Rings

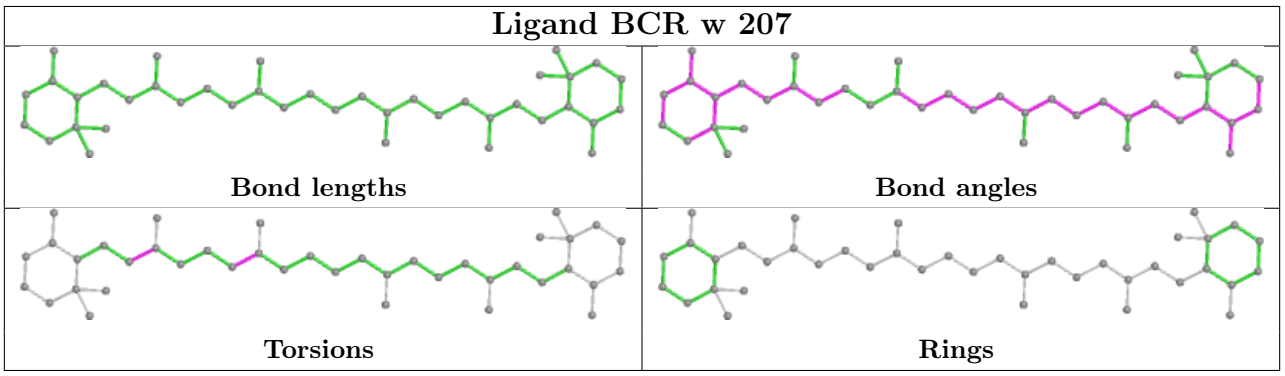
Ligand BCR B 846



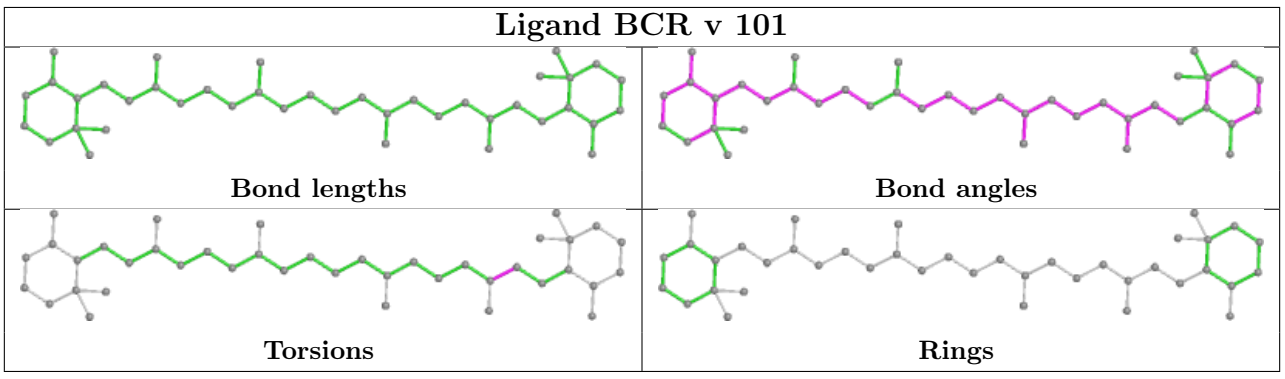
Ligand CLA G 832



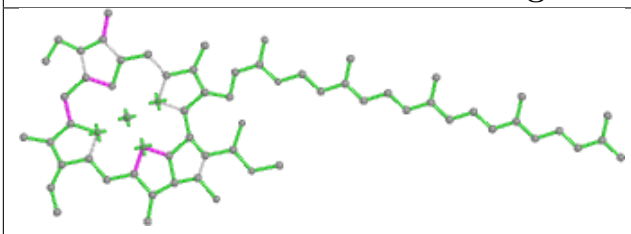
Ligand BCR w 207



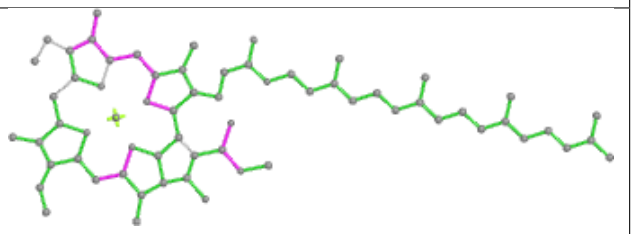
Ligand BCR v 101



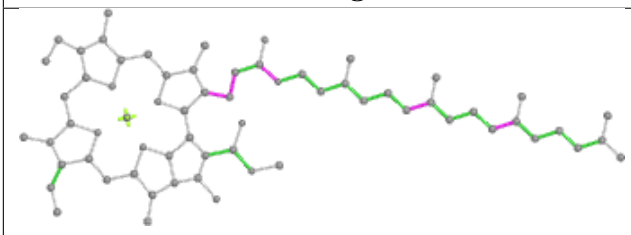
Ligand CLA n 818



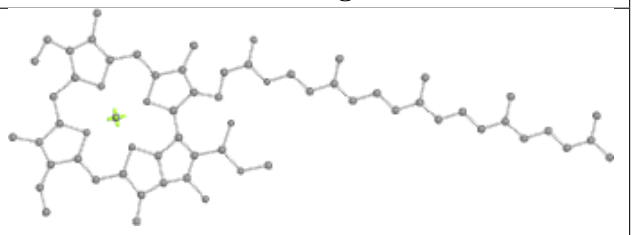
Bond lengths



Bond angles

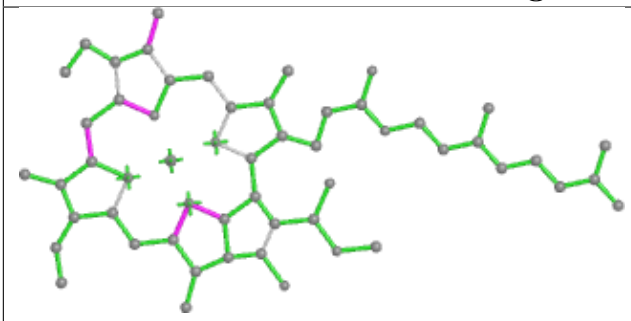


Torsions



Rings

Ligand CLA n 822



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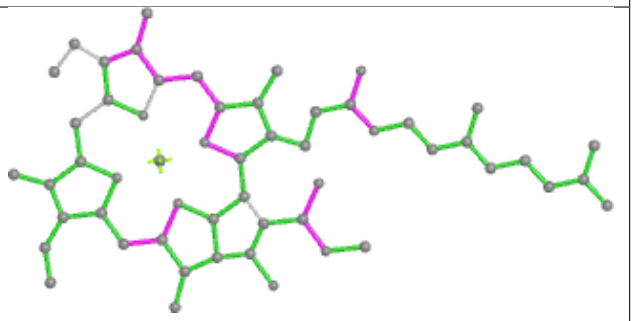
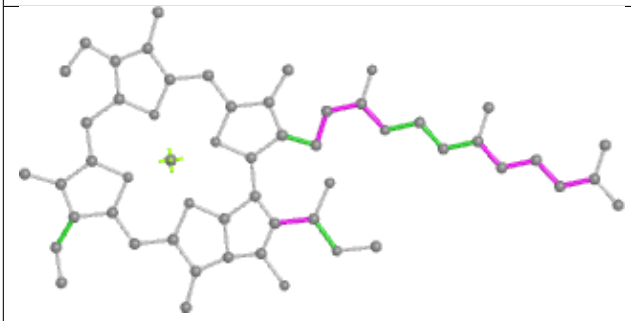


Bond angles



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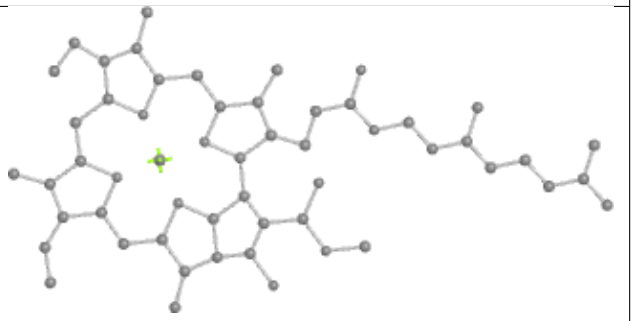
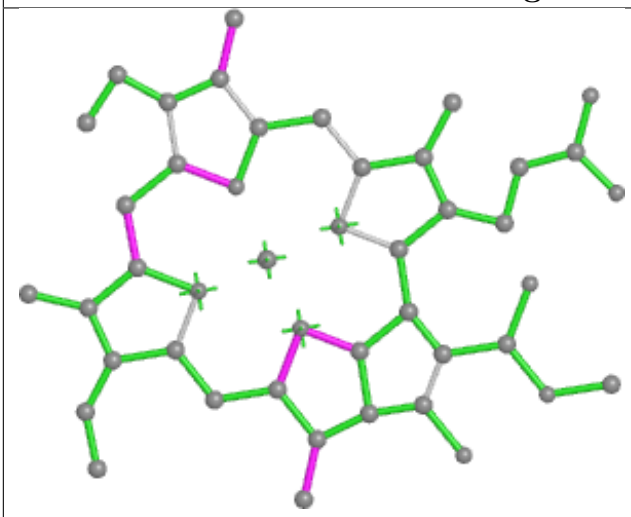


Rings

Ligand CLA A 823



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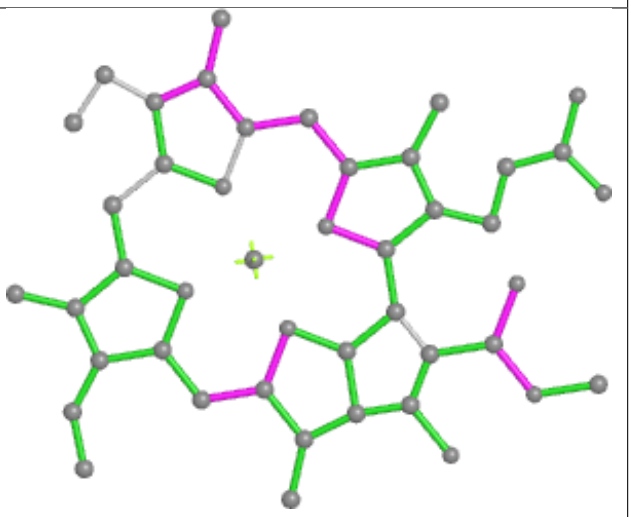
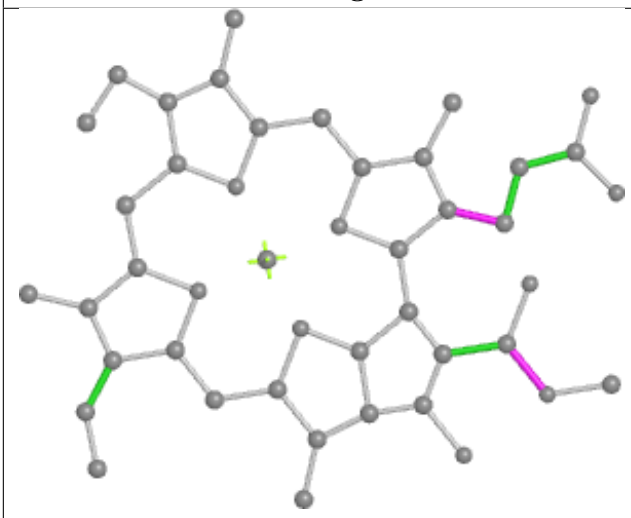


Bond angles



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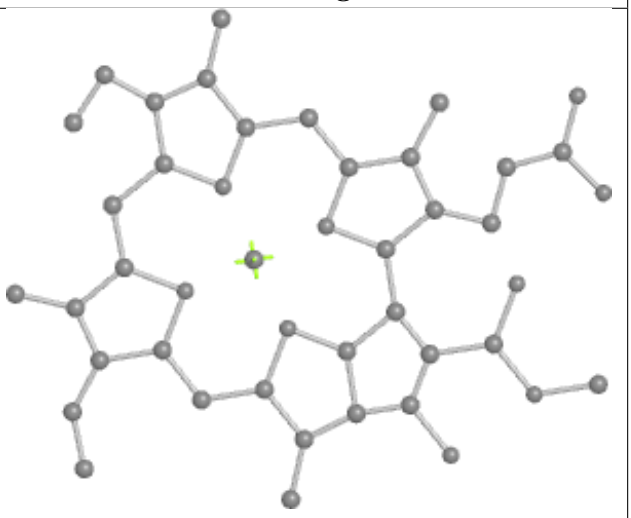
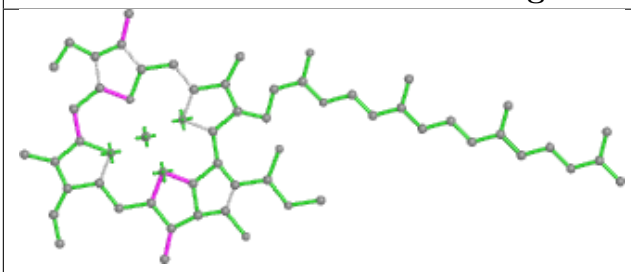


Rings

Ligand CLA b 832



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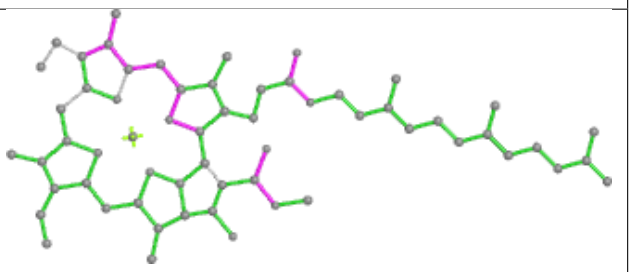
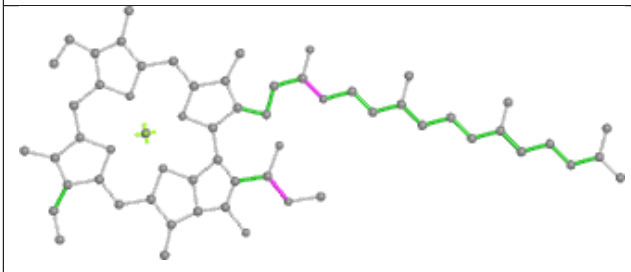


Bond angles



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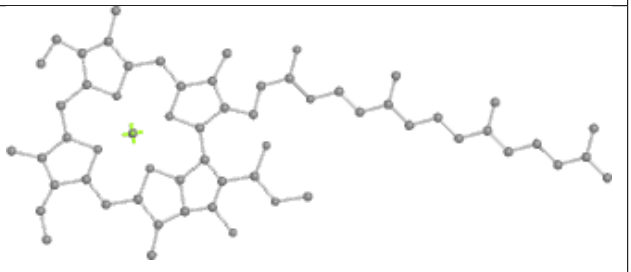
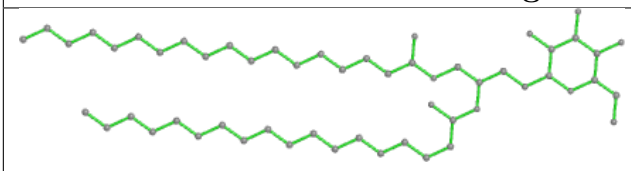


Rings

Ligand LMG n 848



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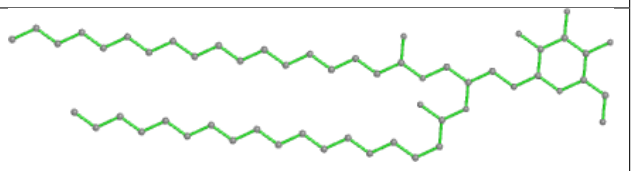
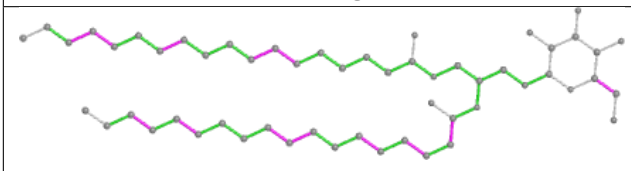
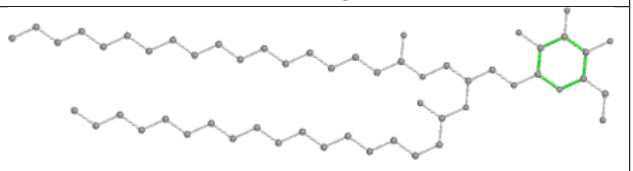


Bond angles

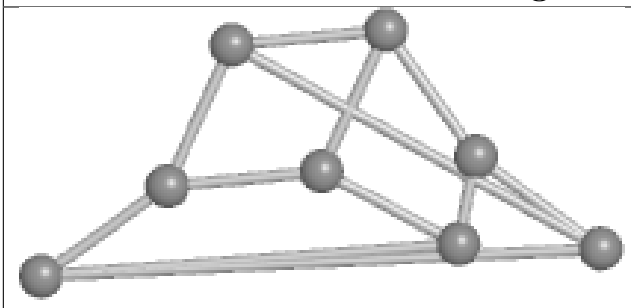


Torsions

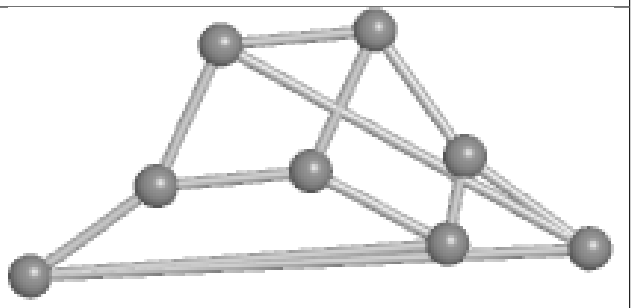


Rings

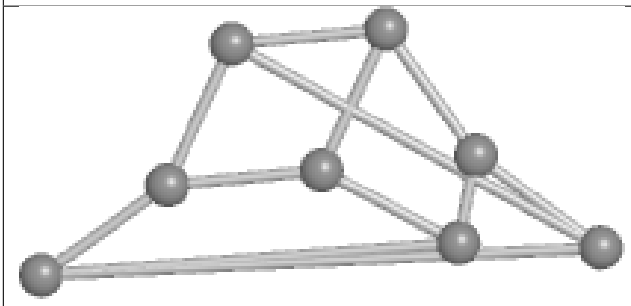
Ligand SF4 A 843



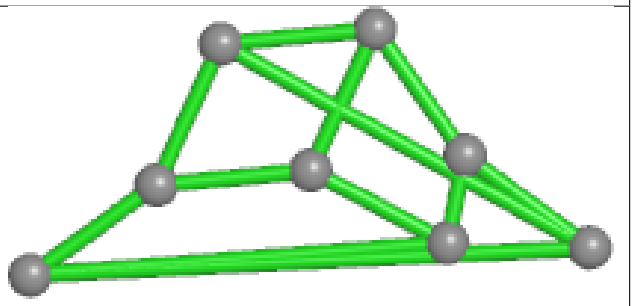
Bond lengths



Bond angles

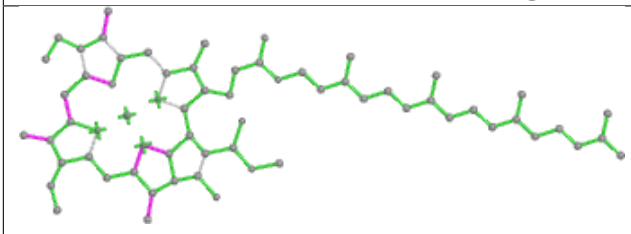


Torsions



Rings

Ligand CLA N 841



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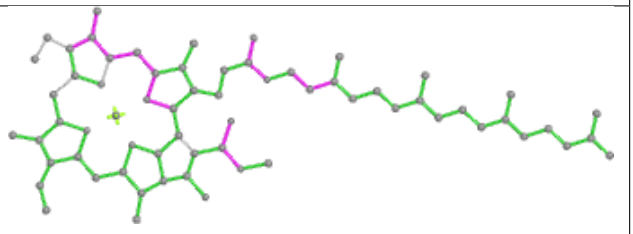
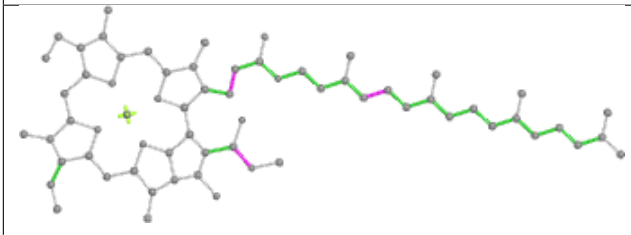


Bond angles



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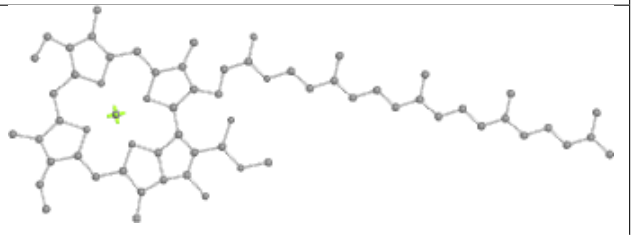
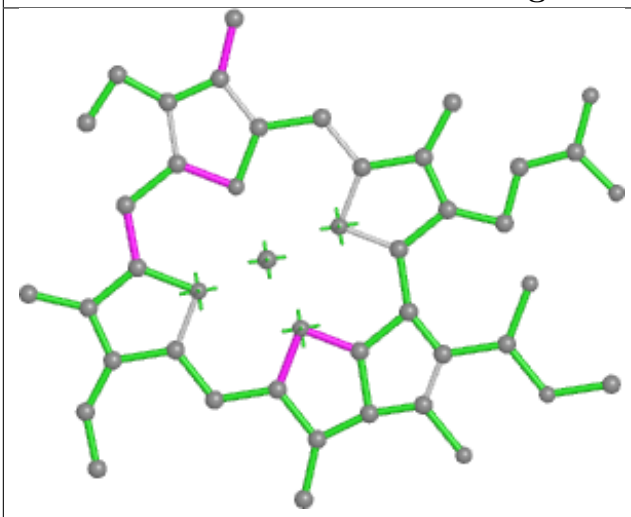


Rings

Ligand CLA g 808



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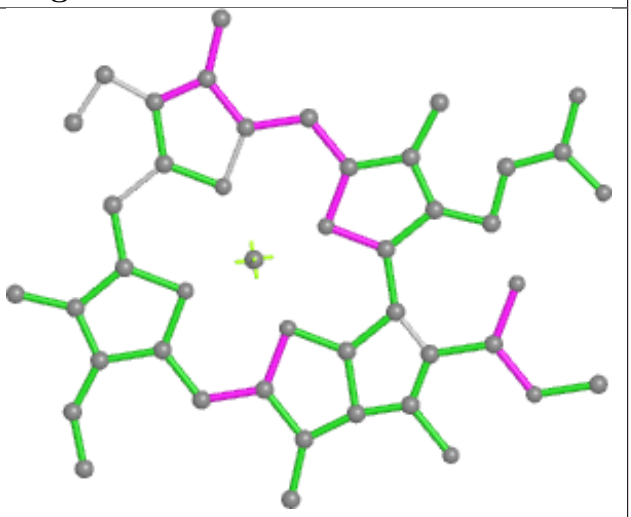
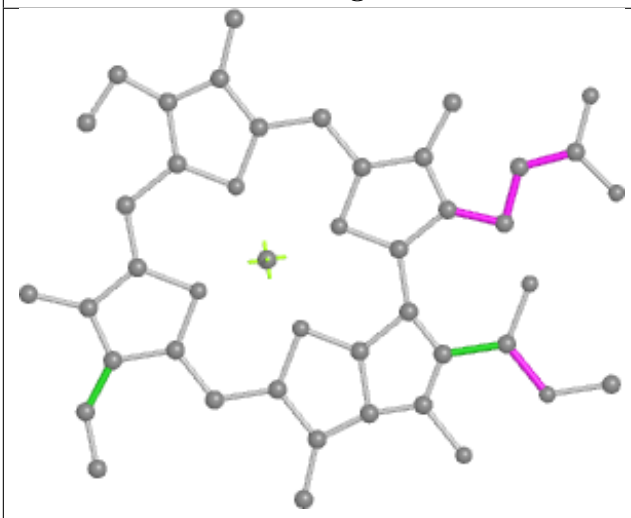


Bond angles



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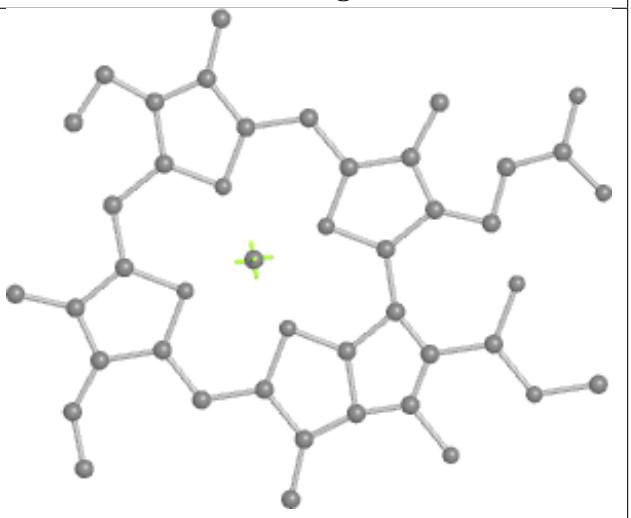
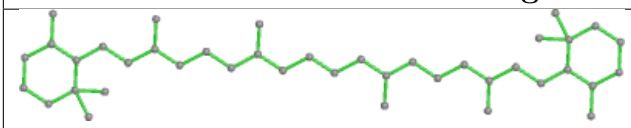


Rings

Ligand BCR G 843



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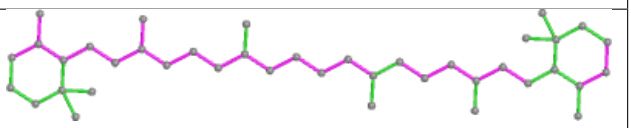
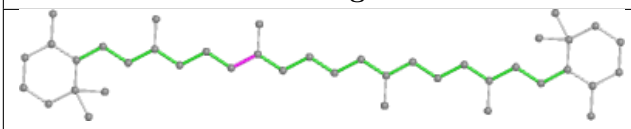


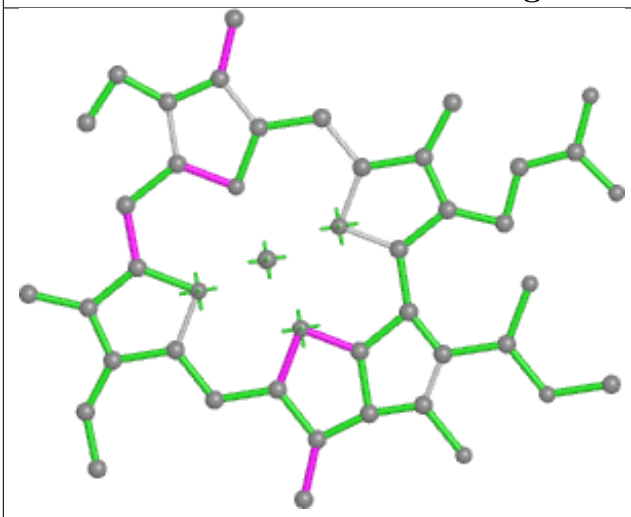
Bond angles



Torsions

Rings

Ligand CLA N 836



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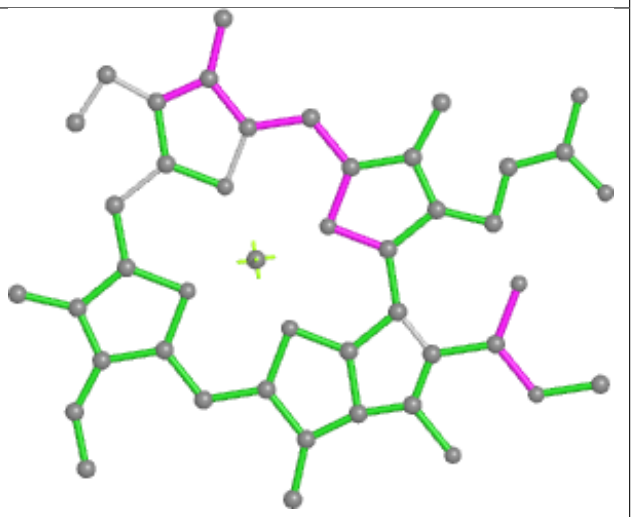
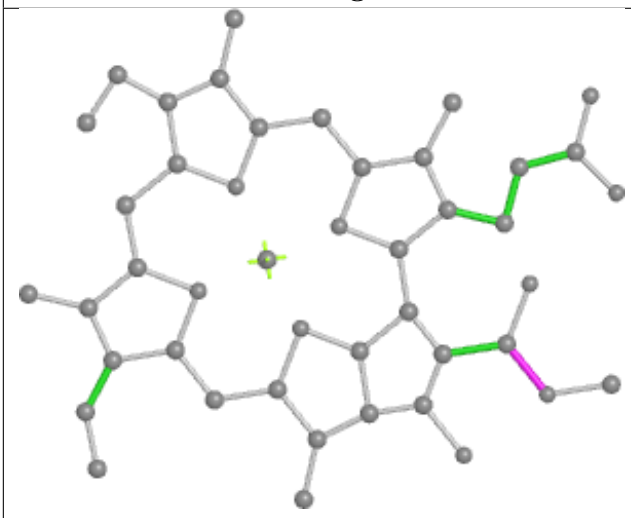
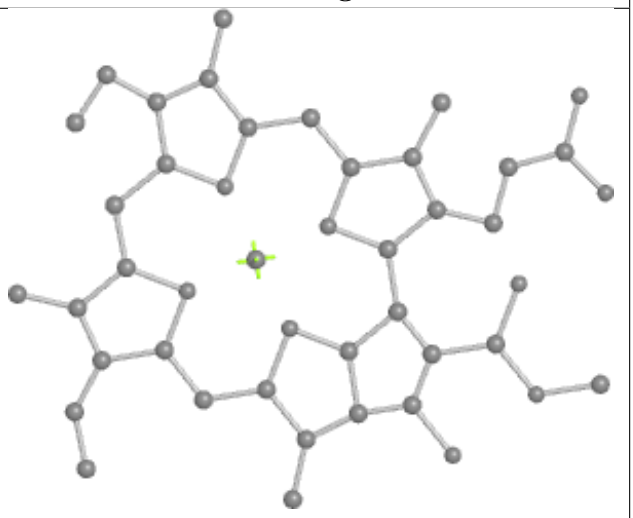


Bond angles

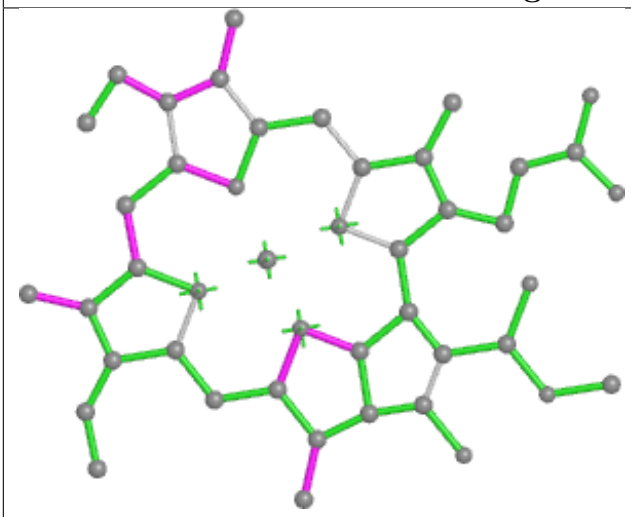


Torsions

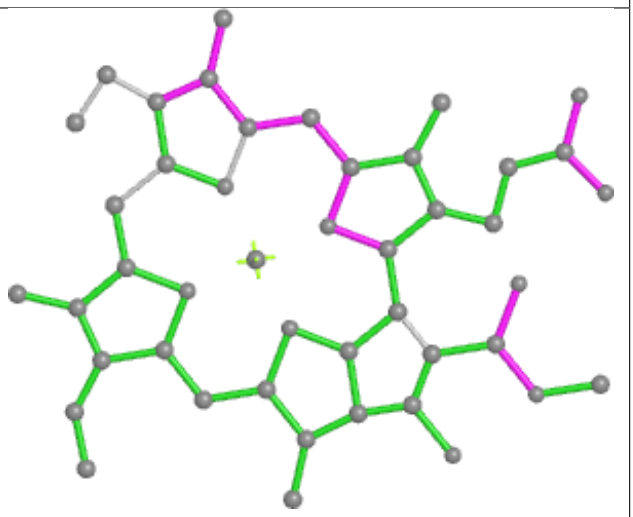


Rings

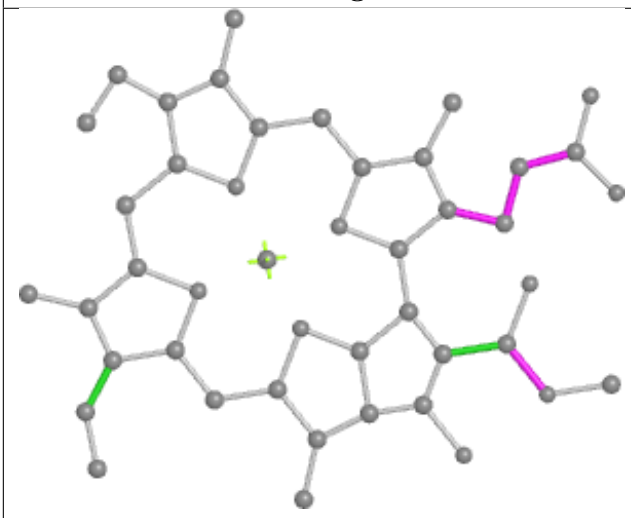
Ligand CLA A 855



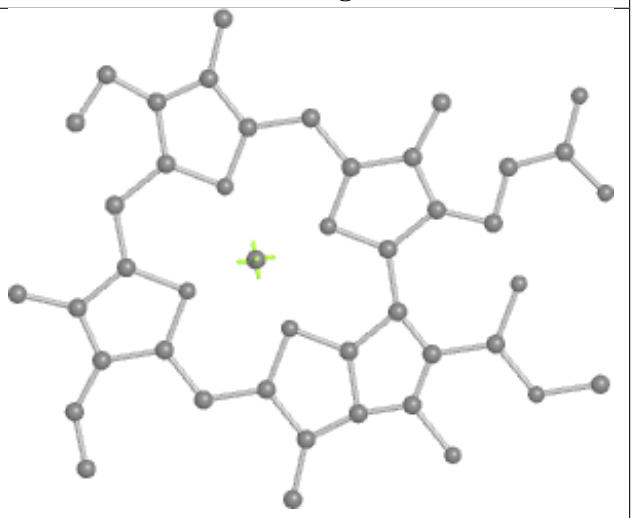
Bond lengths



Bond angles

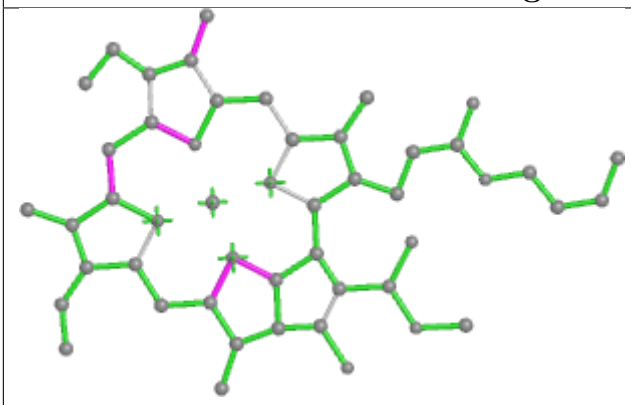


Torsions

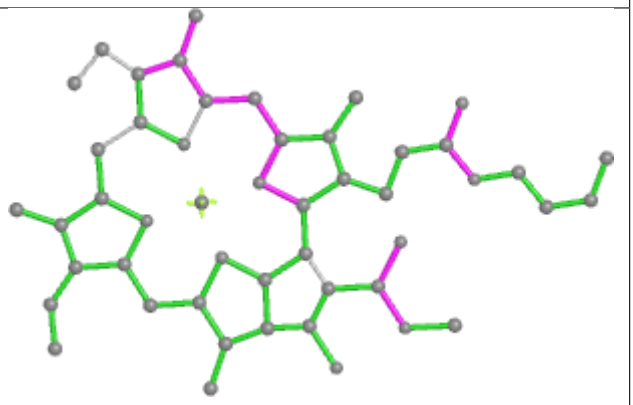


Rings

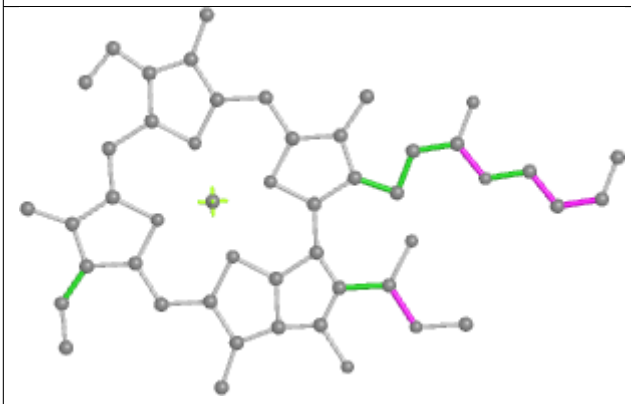
Ligand CLA N 817



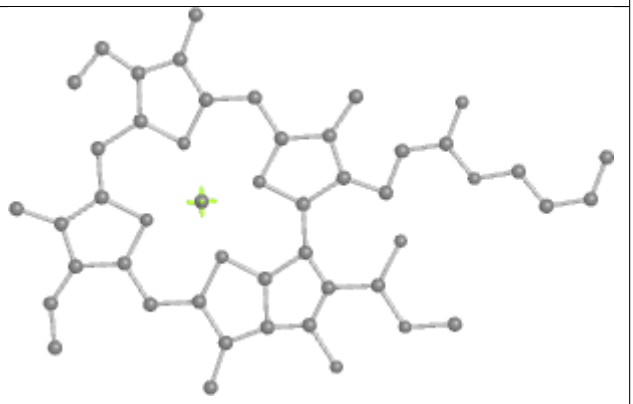
Bond lengths



Bond angles

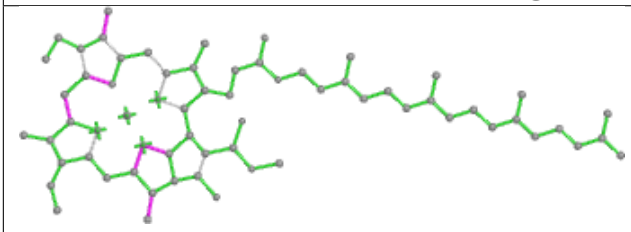


Torsions

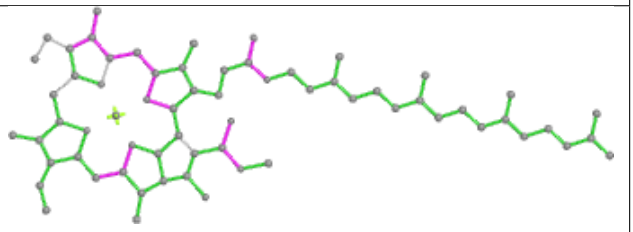


Rings

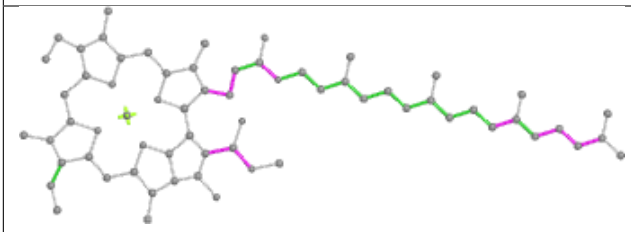
Ligand CLA n 828



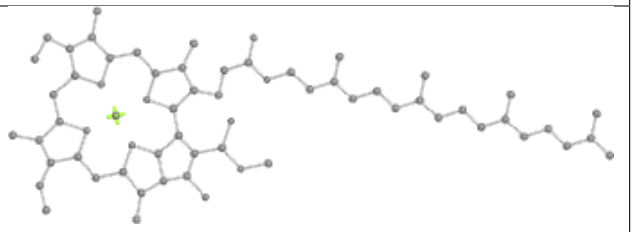
Bond lengths



Bond angles

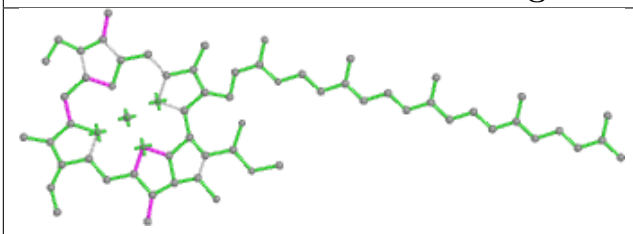


Torsions

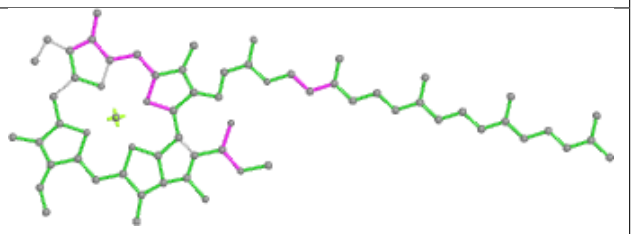


Rings

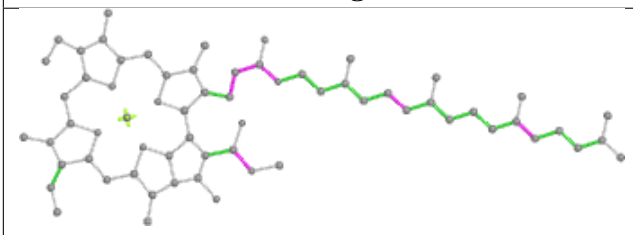
Ligand CLA a 827



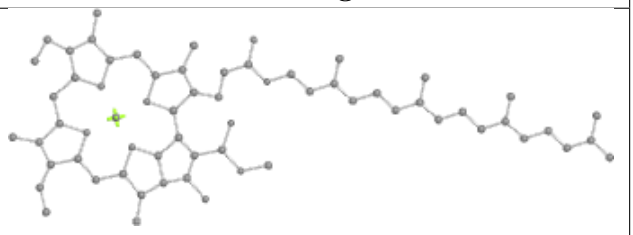
Bond lengths



Bond angles

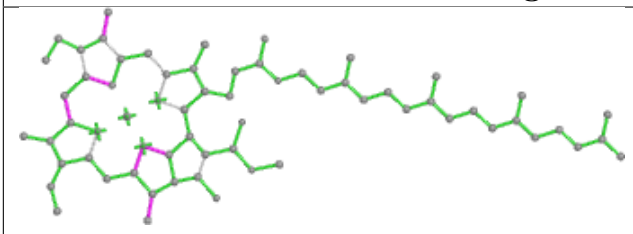


Torsions



Rings

Ligand CLA G 807



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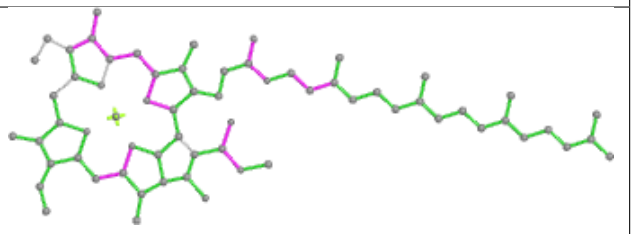
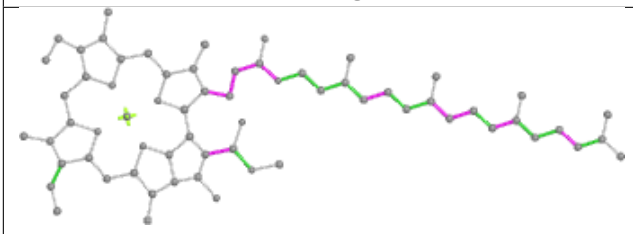


Bond angles



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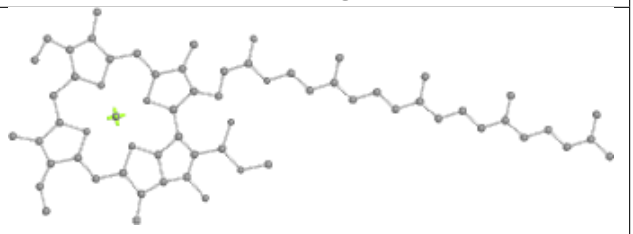
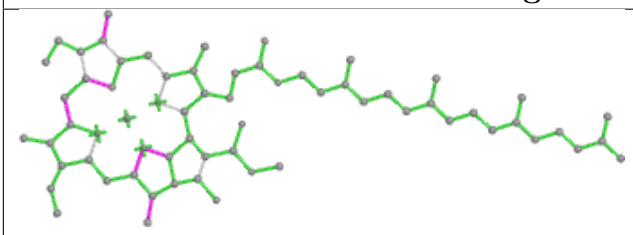


Rings

Ligand CLA N 825



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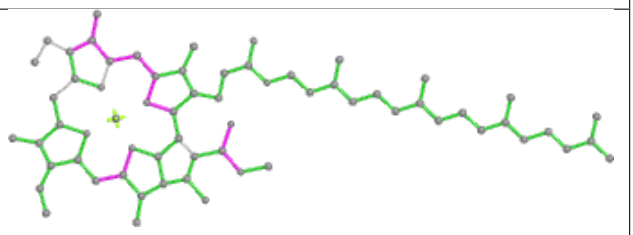
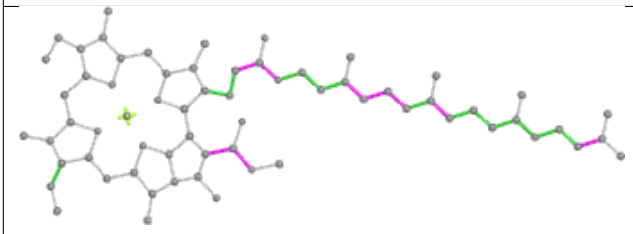


Bond angles



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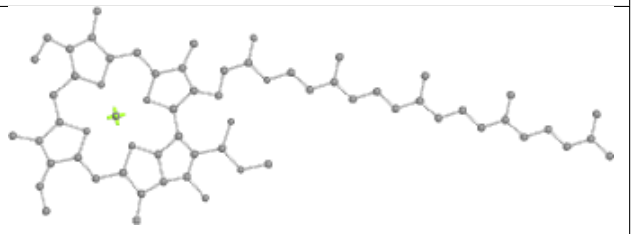
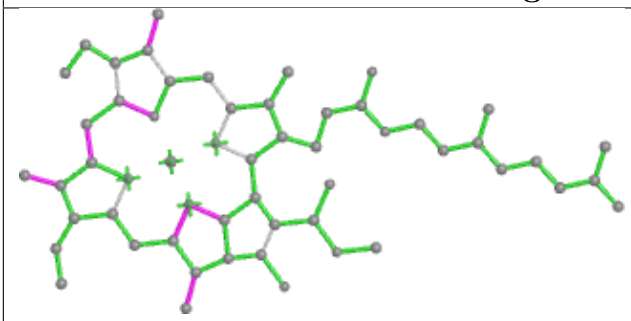


Rings

Ligand CLA N 806



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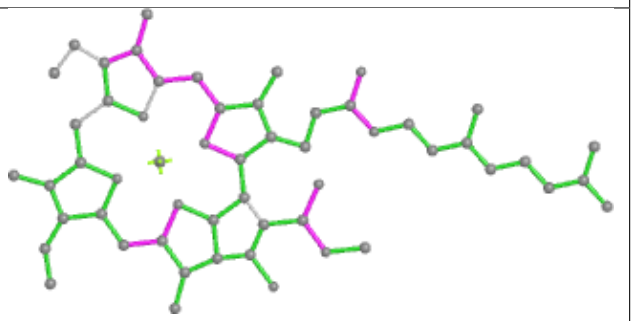
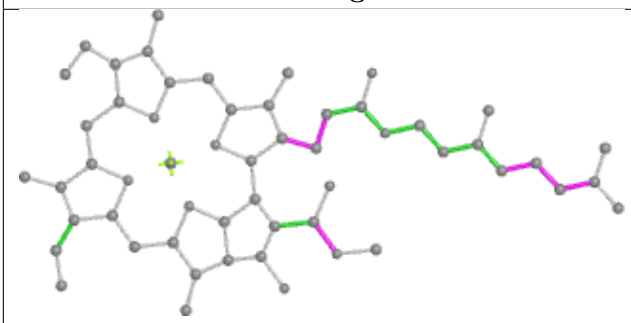


Bond angles



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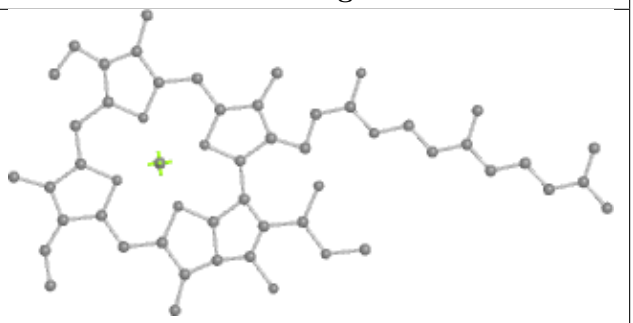
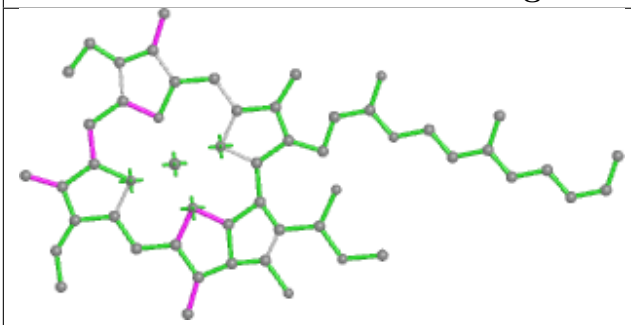
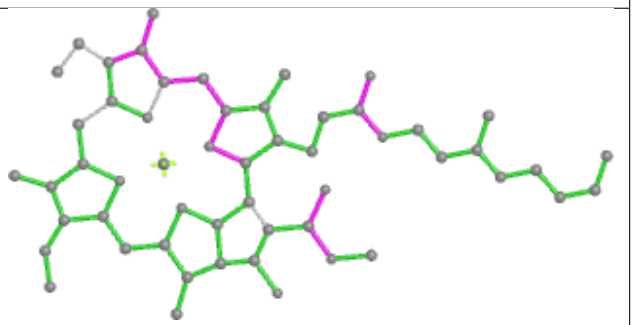


Rings

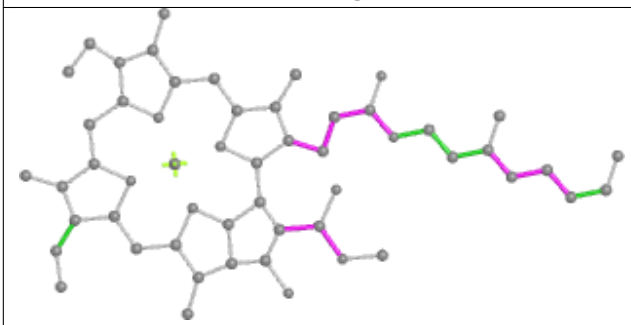
Ligand CLA A 819



Bond lengths



Bond angles



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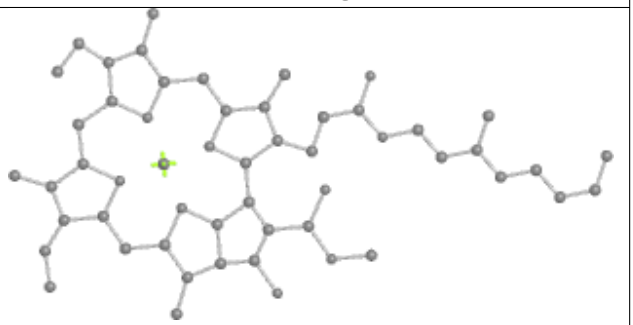
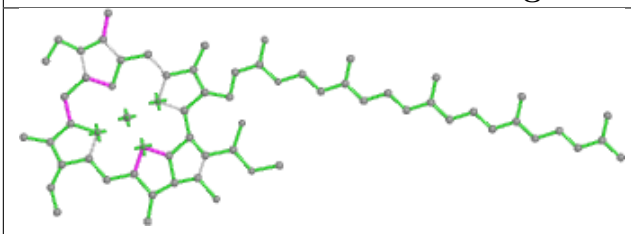
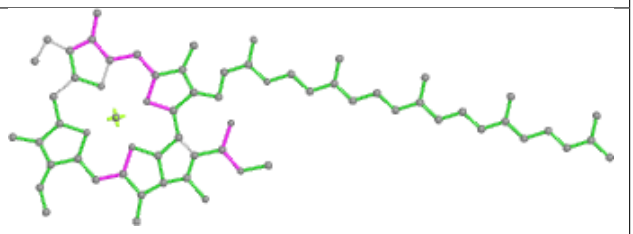


Rings

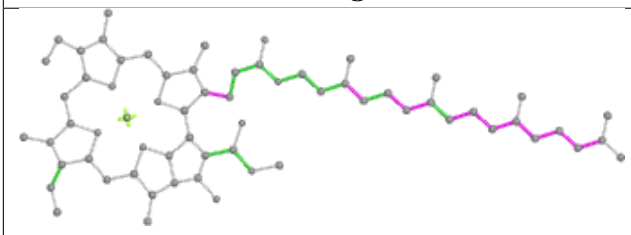
Ligand CLA A 831



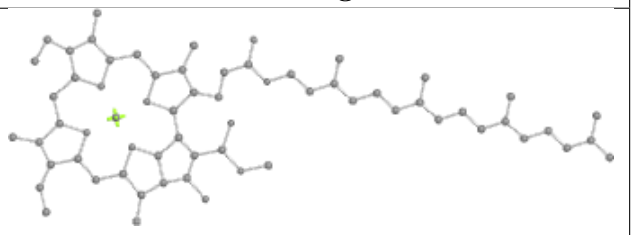
Bond lengths



Bond angles

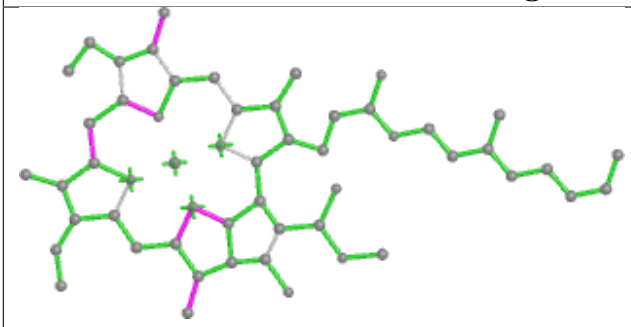


Torsions

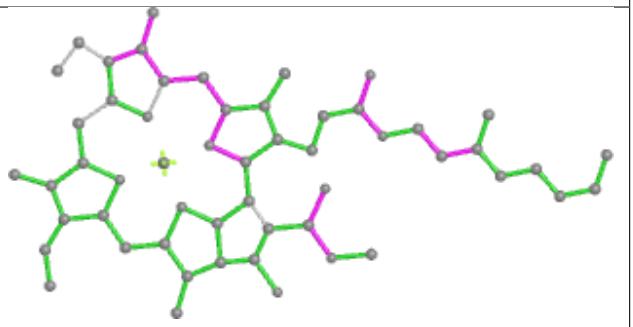


Rings

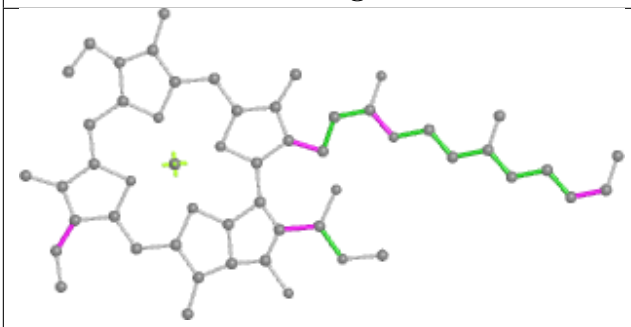
Ligand CLA N 814



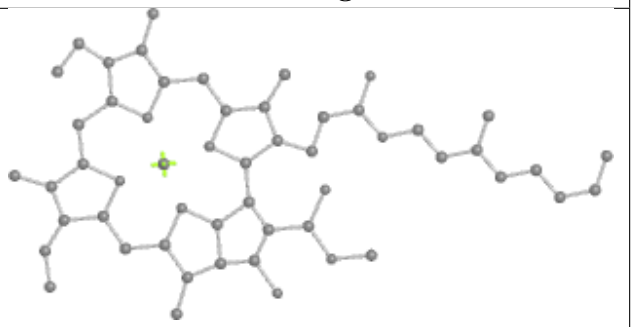
Bond lengths



Bond angles

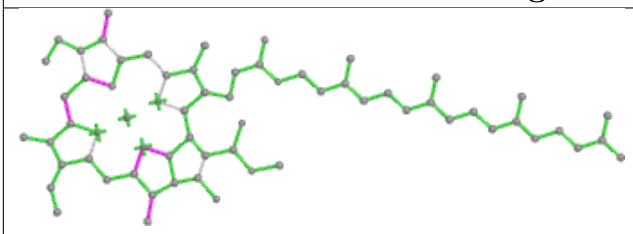


Torsions



Rings

Ligand CLA g 828



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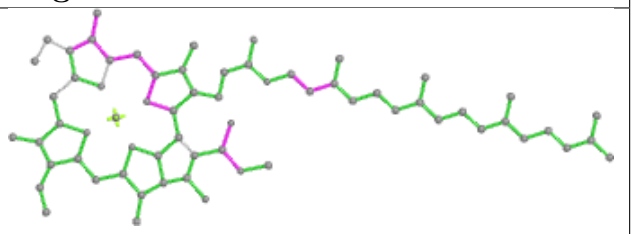
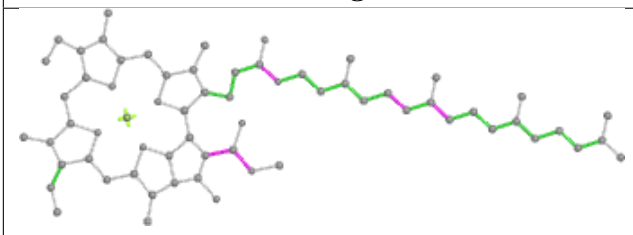
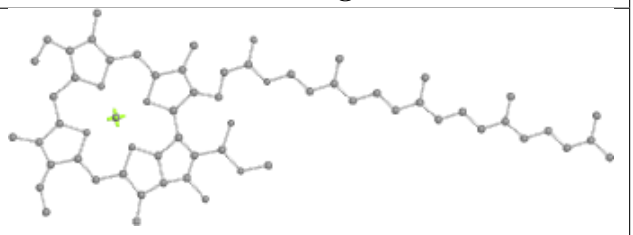


Bond angles

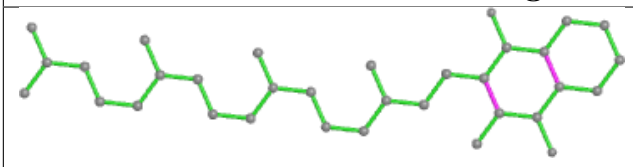


Torsions



Rings

Ligand PQN b 842



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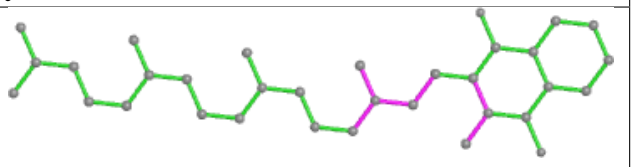
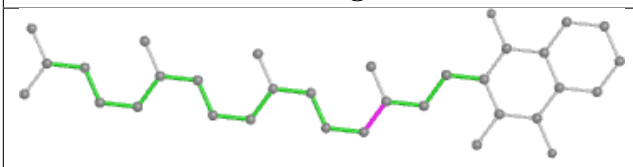
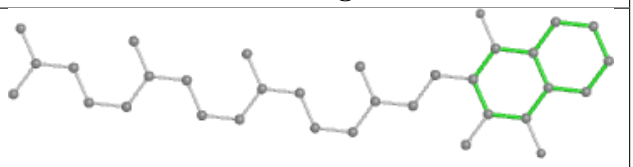


Bond angles

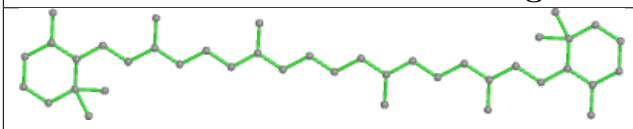


Torsions

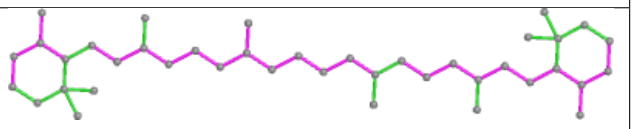


Rings

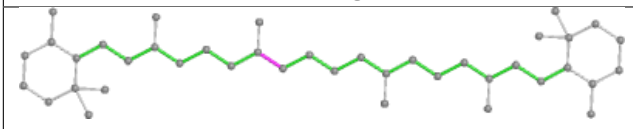
Ligand BCR S 204



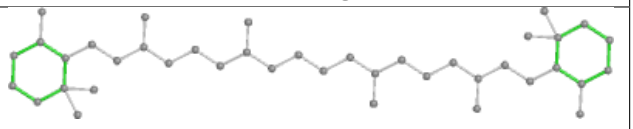
Bond lengths



Bond angles

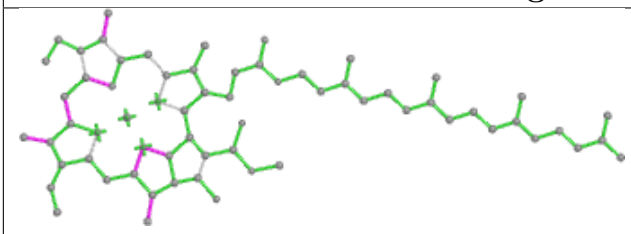


Torsions

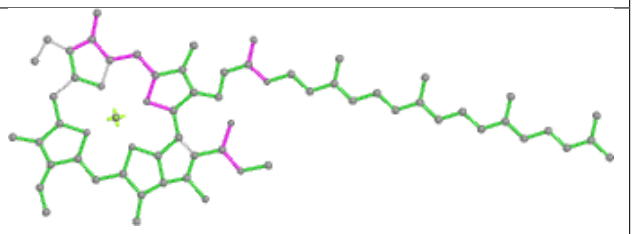


Rings

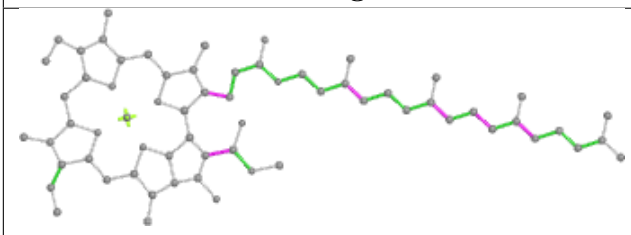
Ligand CLA n 813



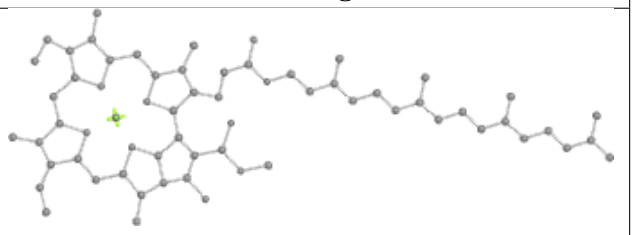
Bond lengths



Bond angles

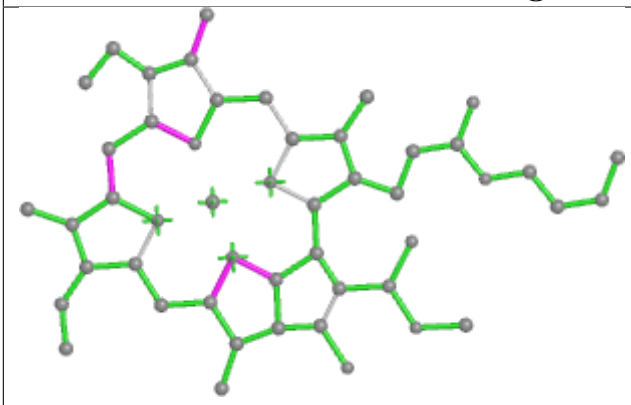


Torsions

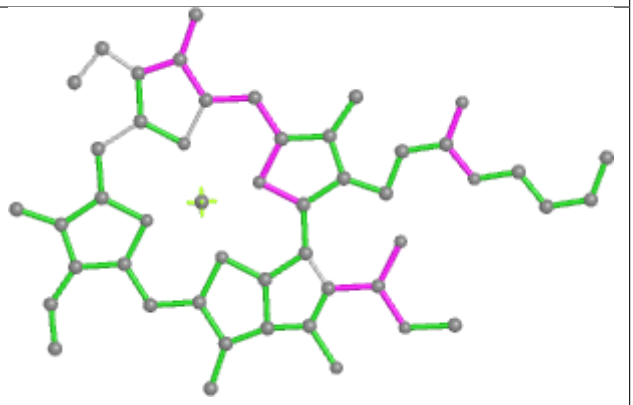


Rings

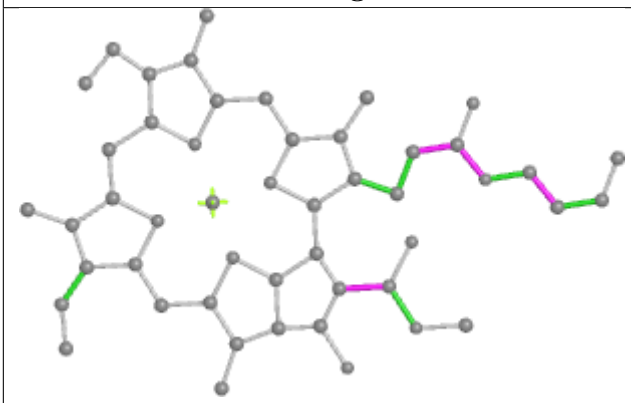
Ligand CLA u 102



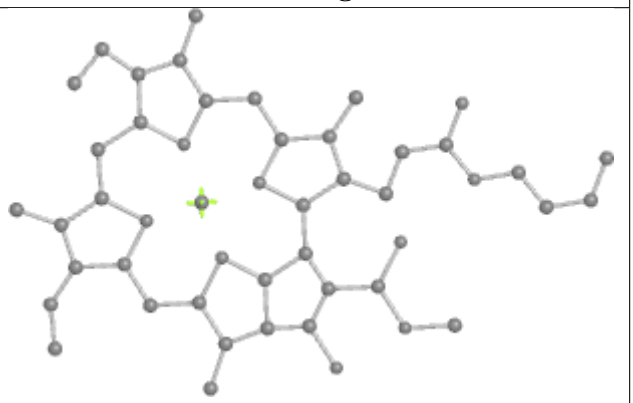
Bond lengths



Bond angles

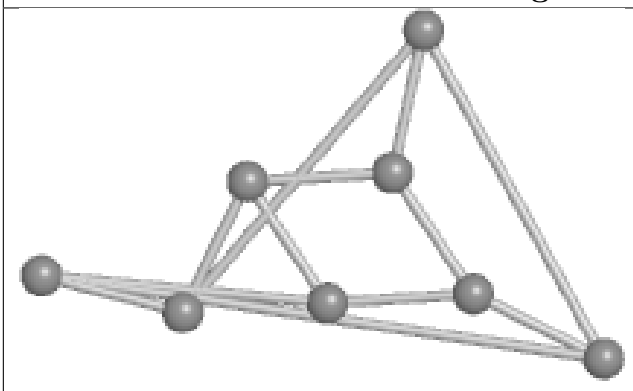


Torsions

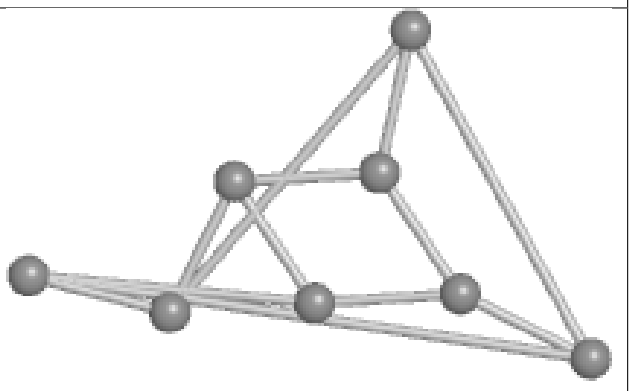


Rings

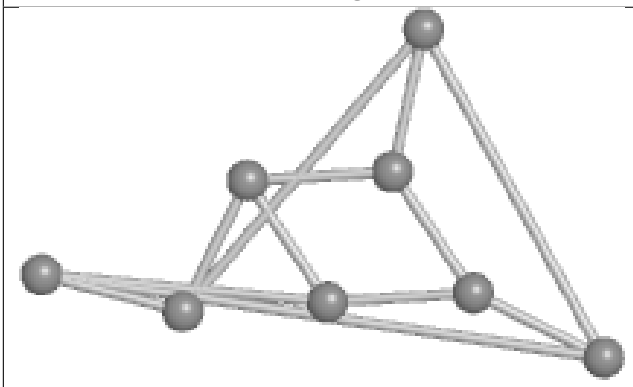
Ligand SF4 C 101



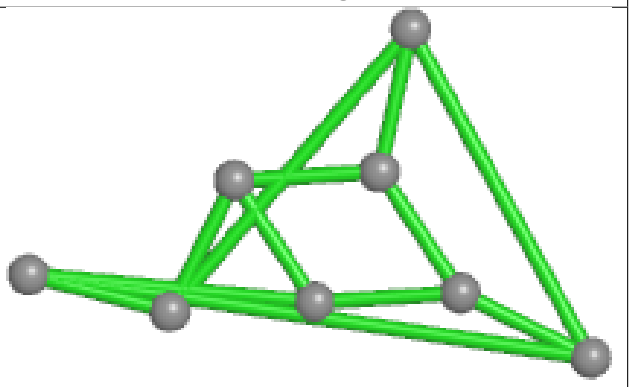
Bond lengths



Bond angles

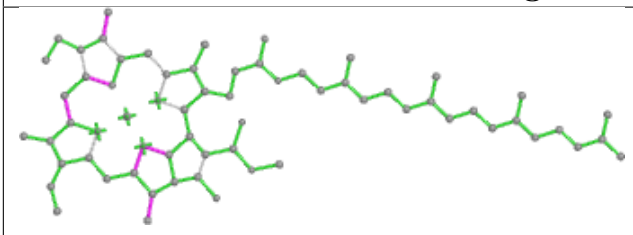


Torsions

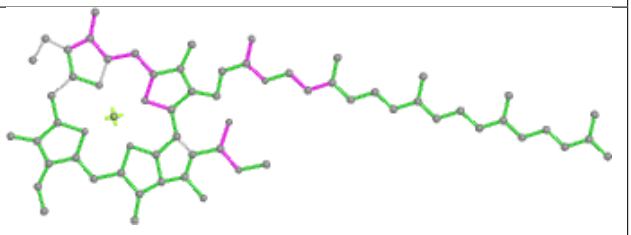


Rings

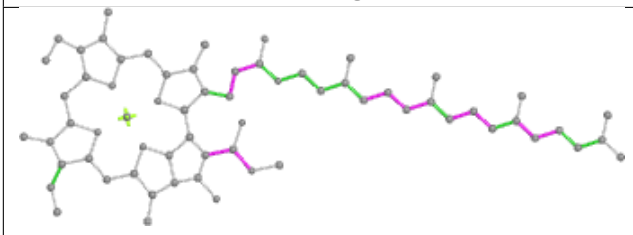
Ligand CLA A 854



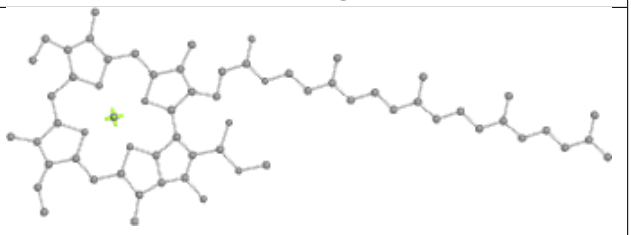
Bond lengths



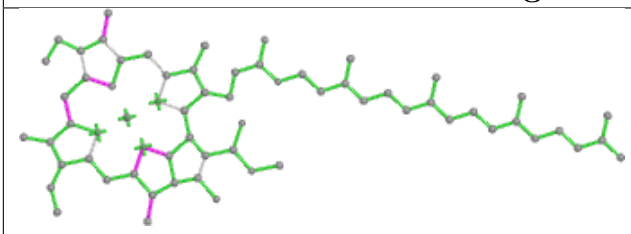
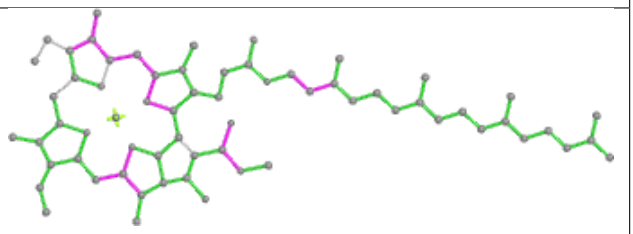
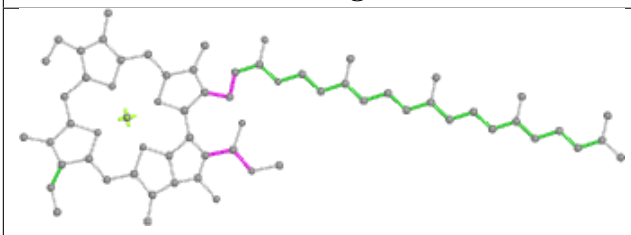
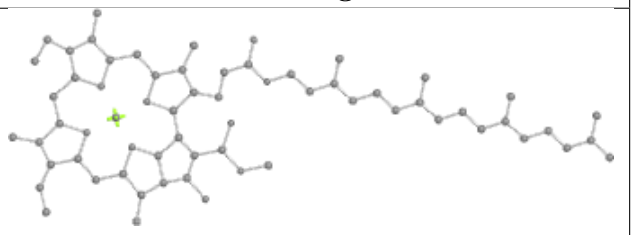
Bond angles

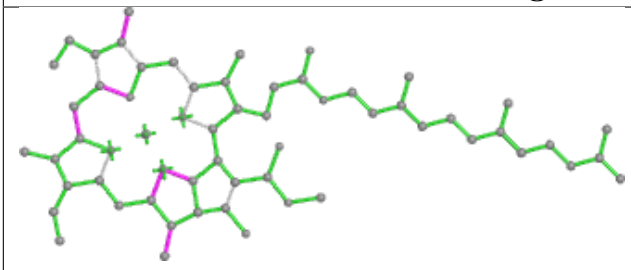
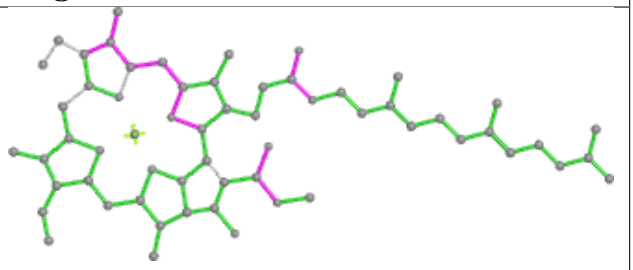
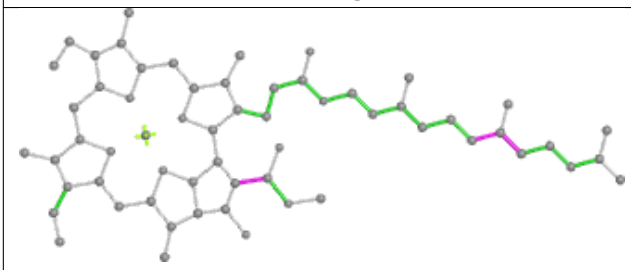
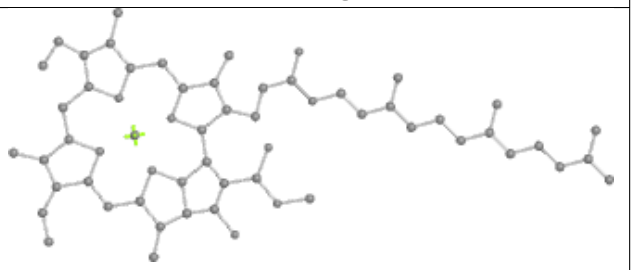


Torsions

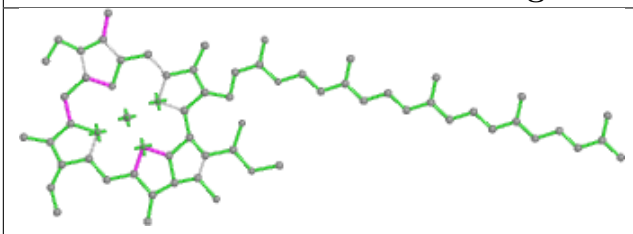


Rings

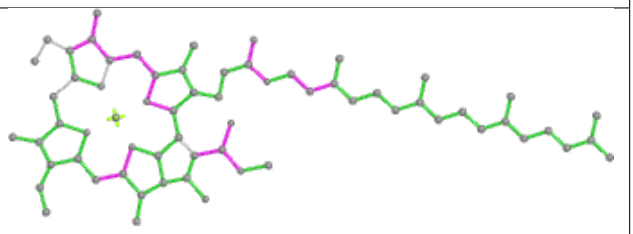
Ligand CLA A 801	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA g 805	
 Bond lengths	 Bond angles
 Torsions	 Rings

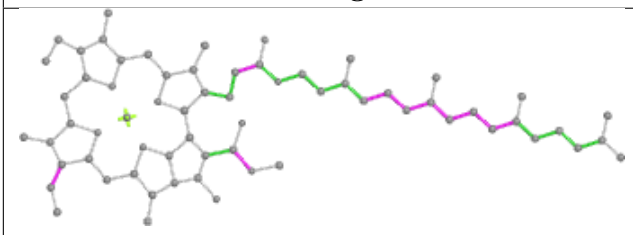
Ligand CLA n 832



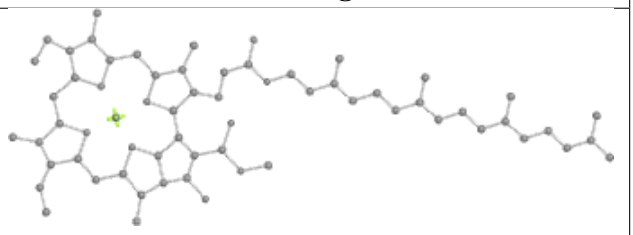
Bond lengths



Bond angles

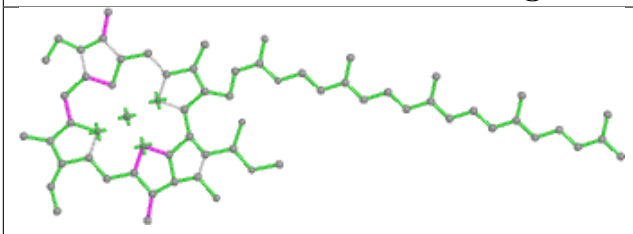


Torsions



Rings

Ligand CLA A 810



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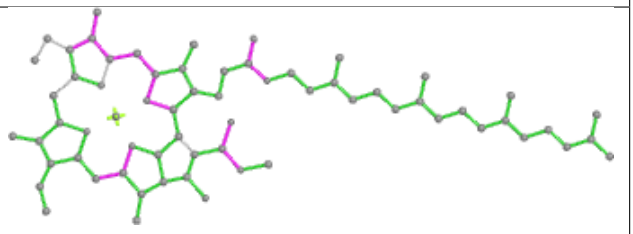
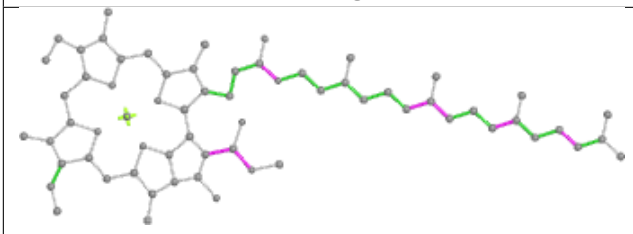


Bond angles



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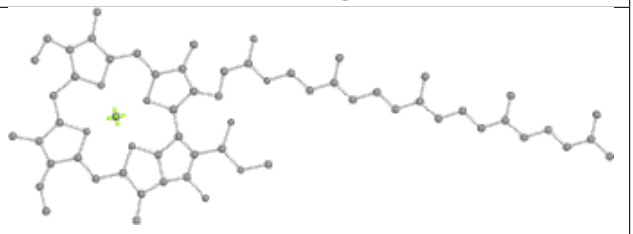
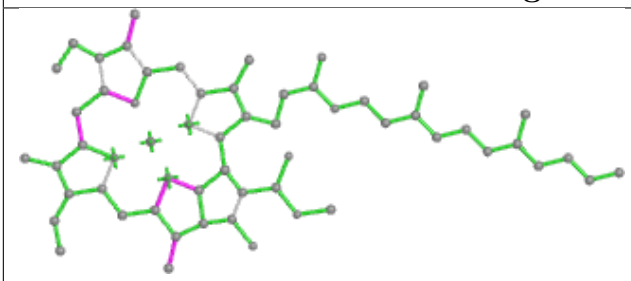
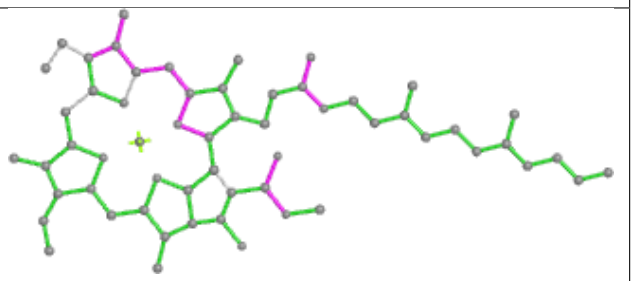


Rings

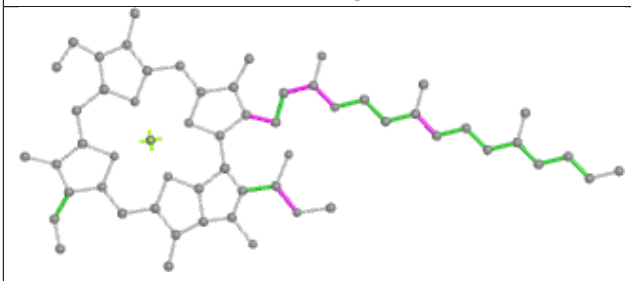
Ligand CLA N 834



Bond lengths



Bond angles



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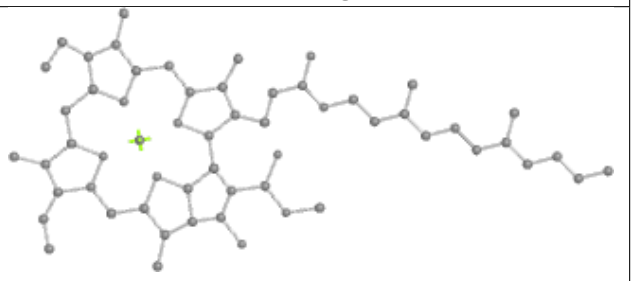
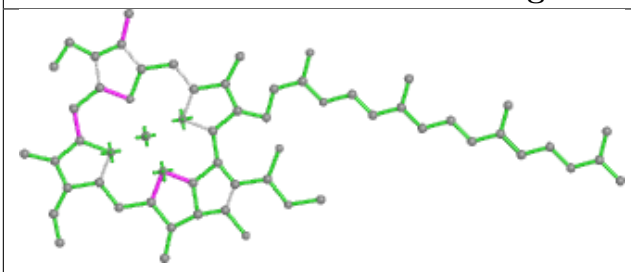
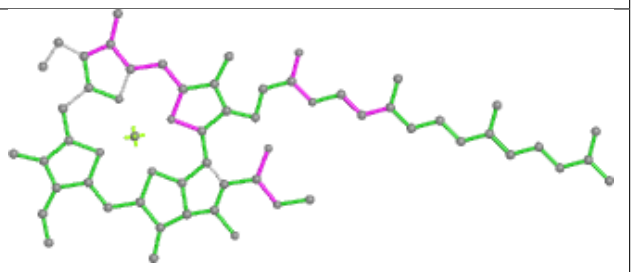


Rings

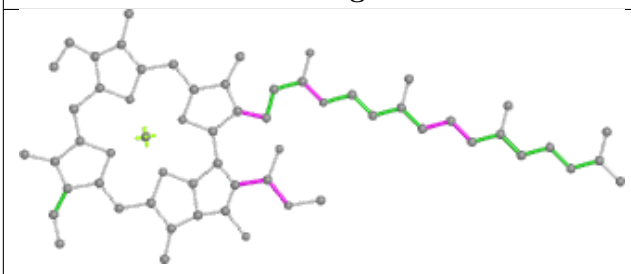
Ligand CLA b 837



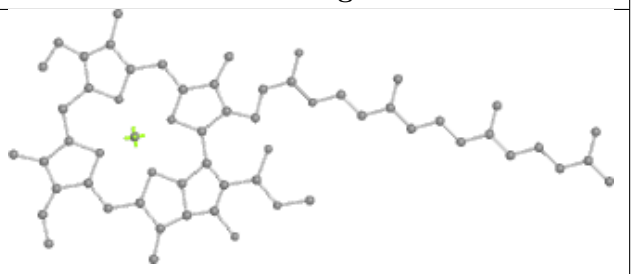
Bond lengths



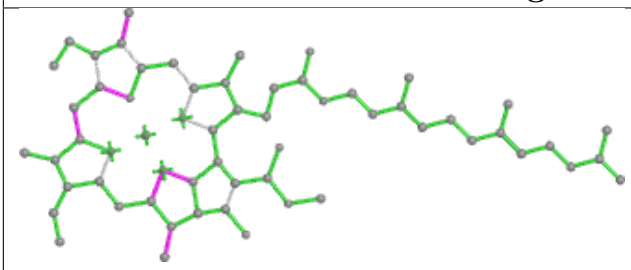
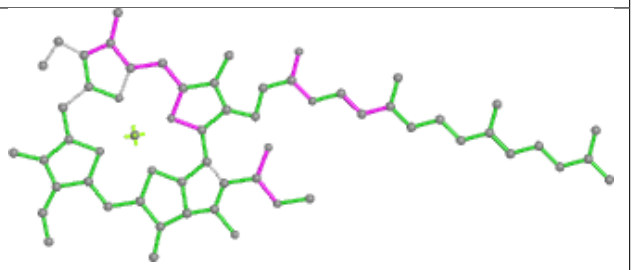
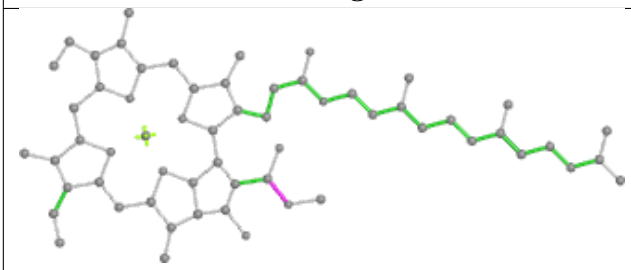
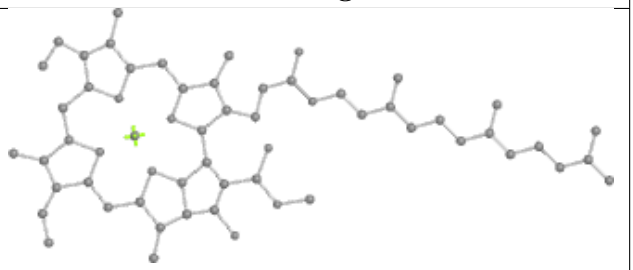
Bond angles

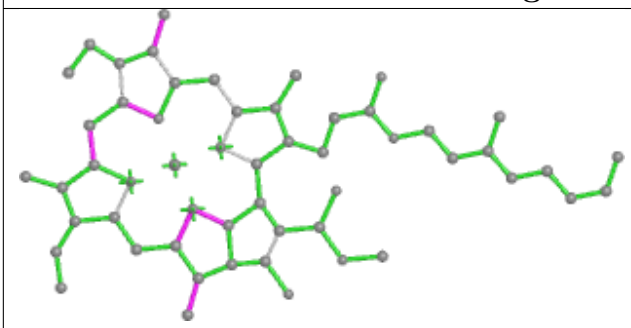
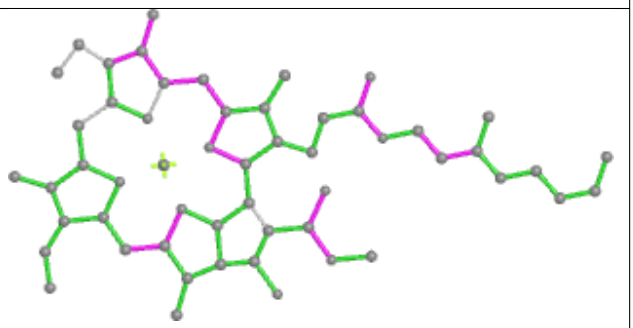
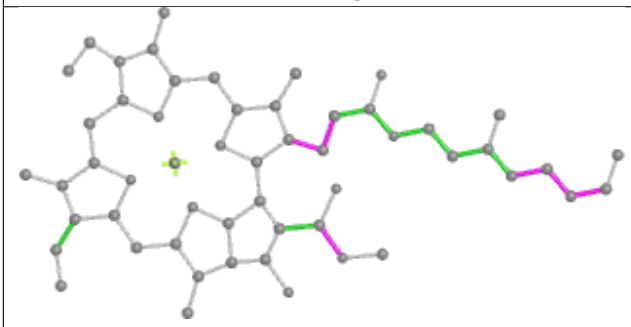
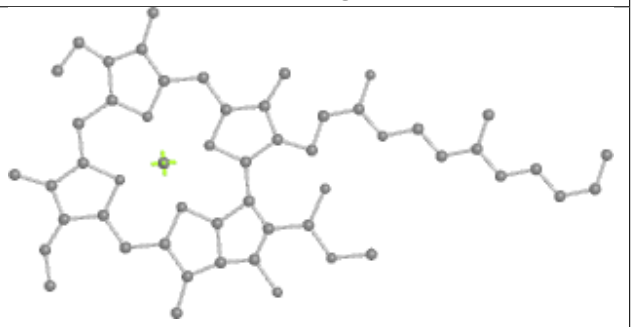


Torsions

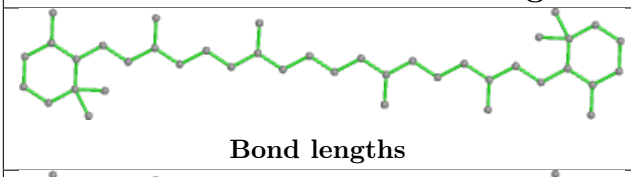


Rings

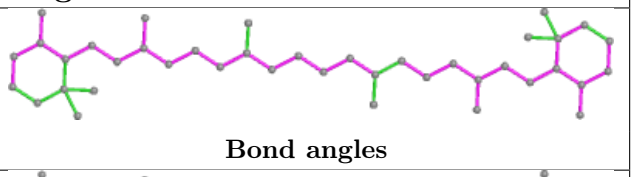
Ligand CLA n 836	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA G 822	
 Bond lengths	 Bond angles
 Torsions	 Rings

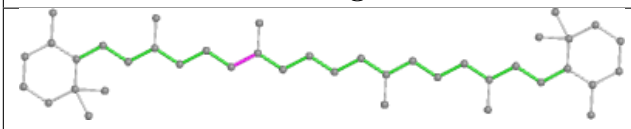
Ligand BCR g 843



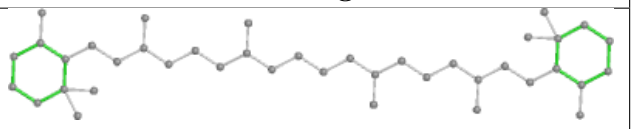
Bond lengths



Bond angles

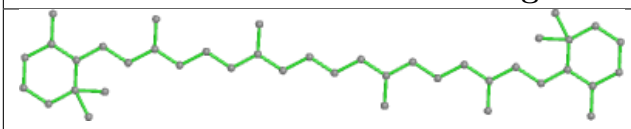


Torsions

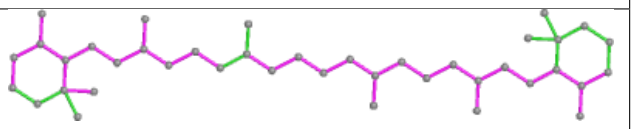


Rings

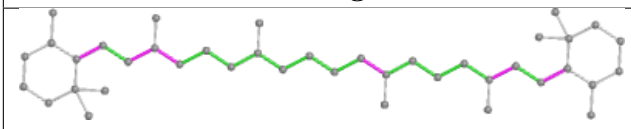
Ligand BCR G 848



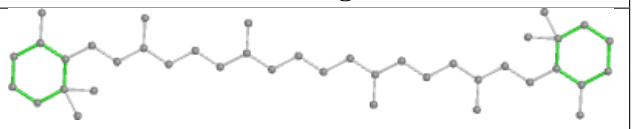
Bond lengths



Bond angles

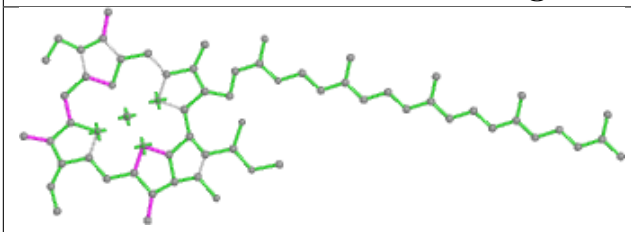


Torsions

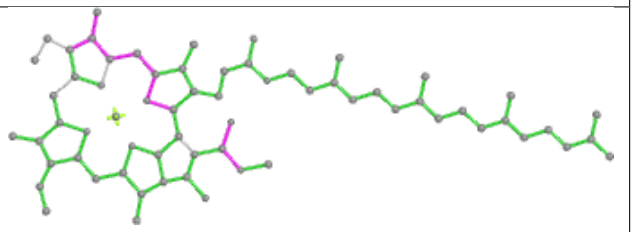


Rings

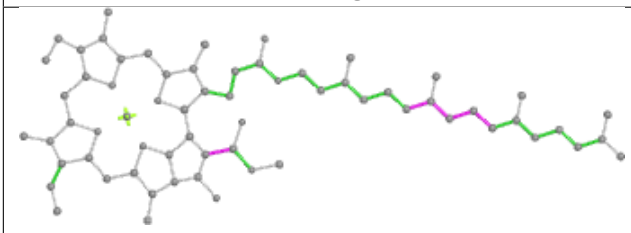
Ligand CLA a 825



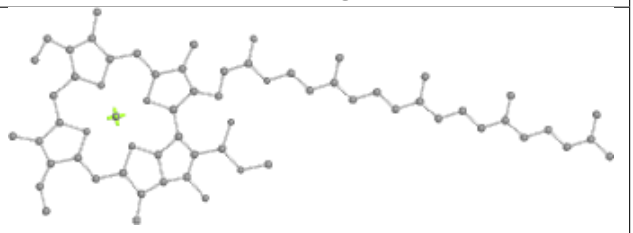
Bond lengths



Bond angles

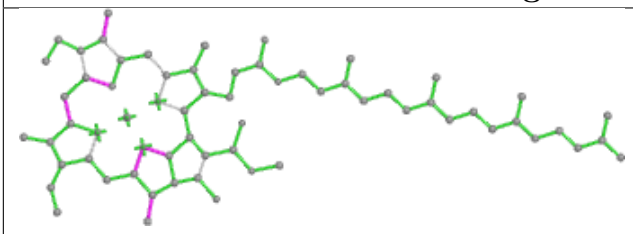


Torsions

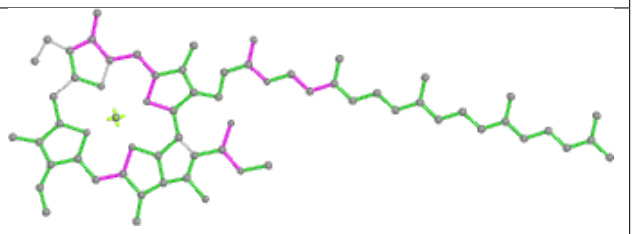


Rings

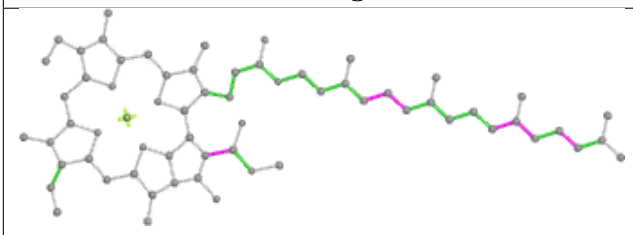
Ligand CLA G 853



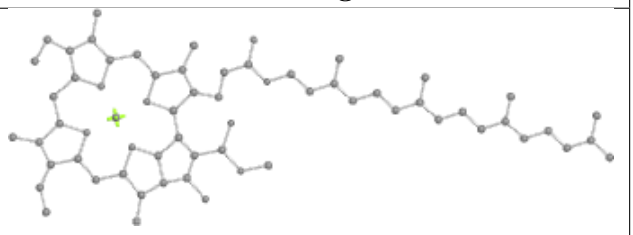
Bond lengths



Bond angles

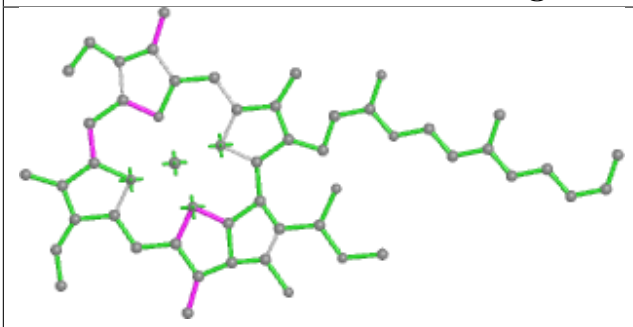


Torsions

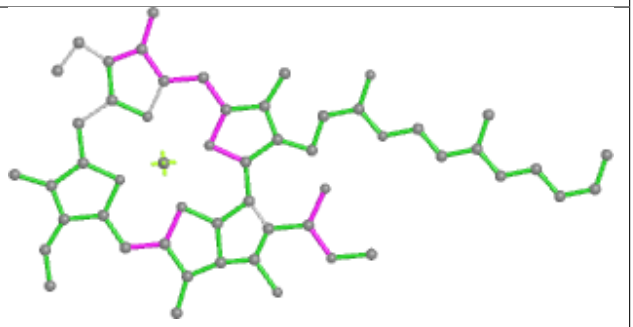


Rings

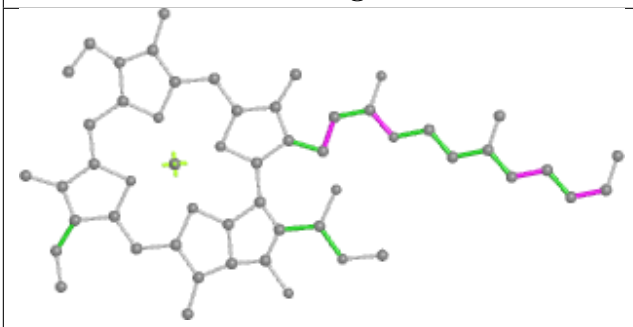
Ligand CLA a 829



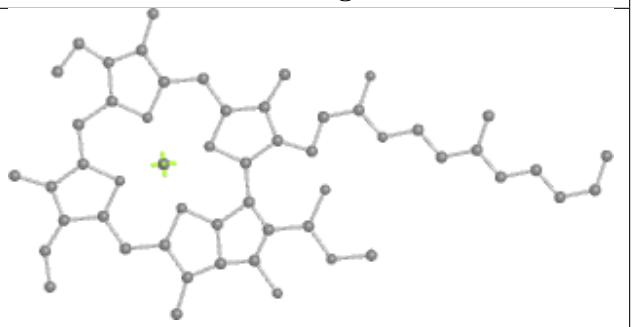
Bond lengths



Bond angles

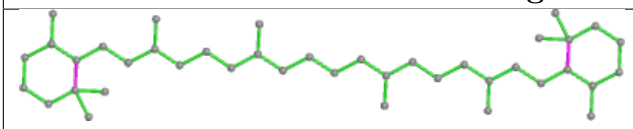


Torsions



Rings

Ligand BCR a 847



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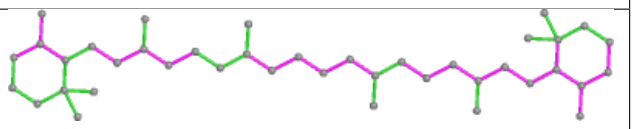
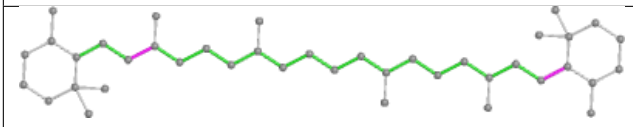


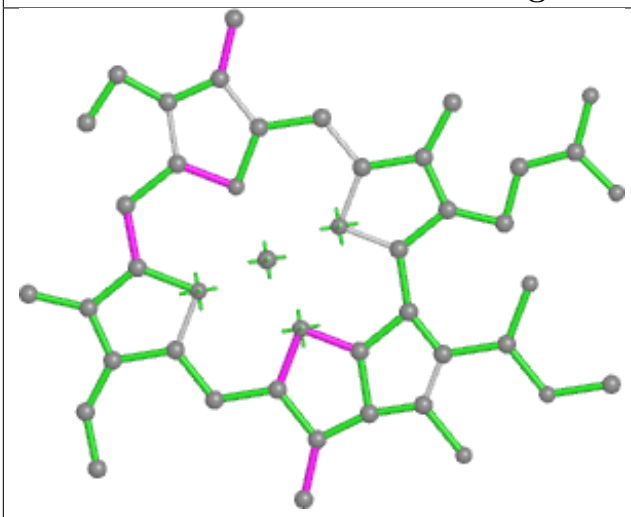
Bond angles



Torsions

Rings

Ligand CLA a 852



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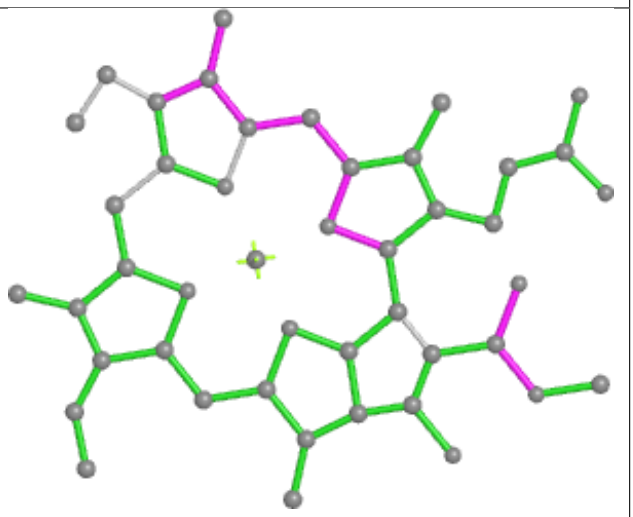
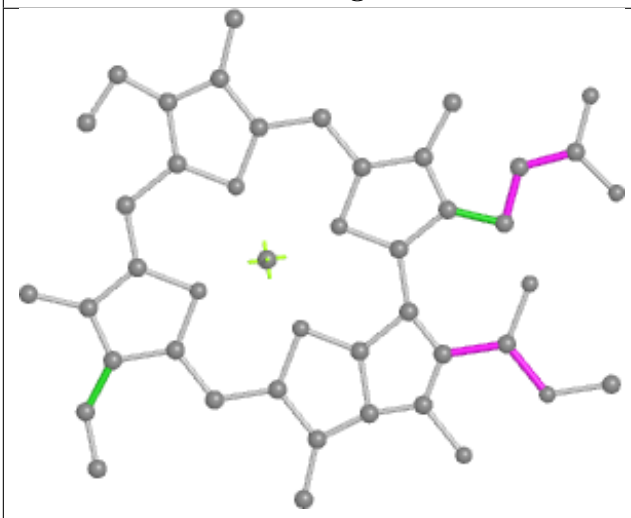
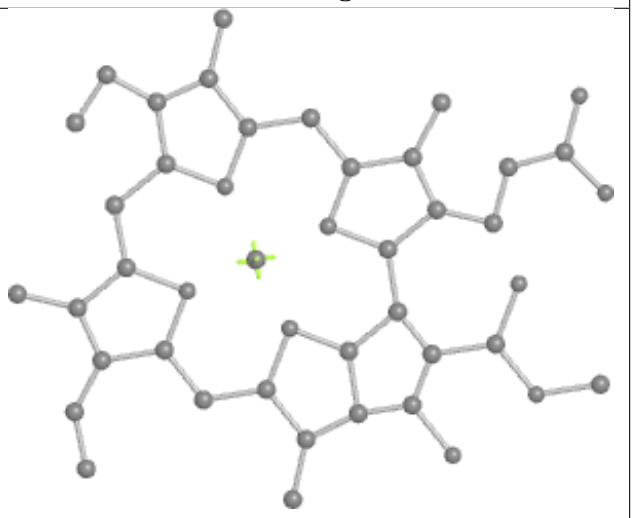


Bond angles

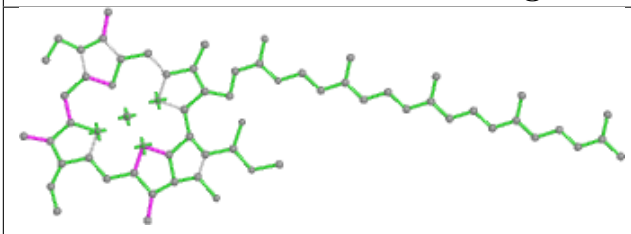


Torsions

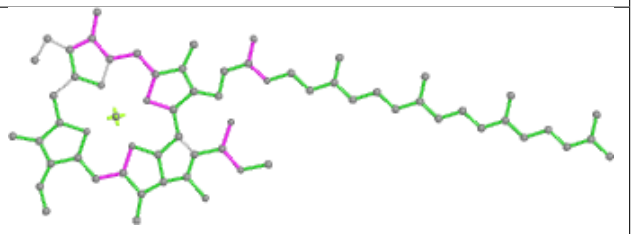


Rings

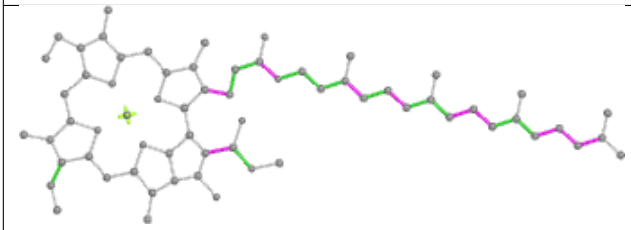
Ligand CLA A 804



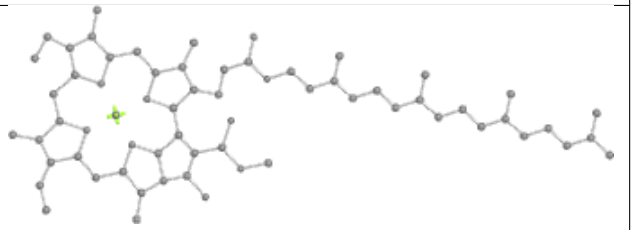
Bond lengths



Bond angles

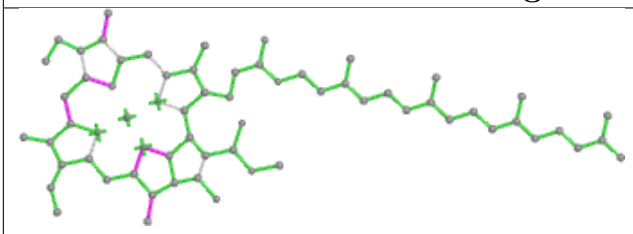


Torsions

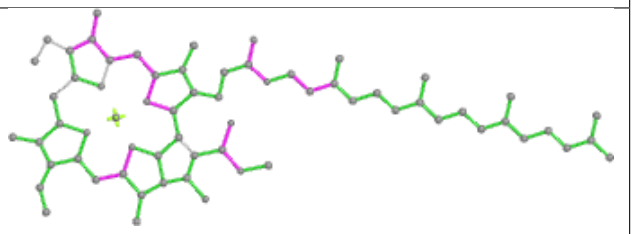


Rings

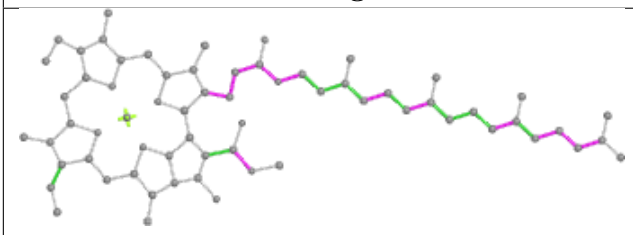
Ligand CLA A 839



Bond lengths



Bond angles



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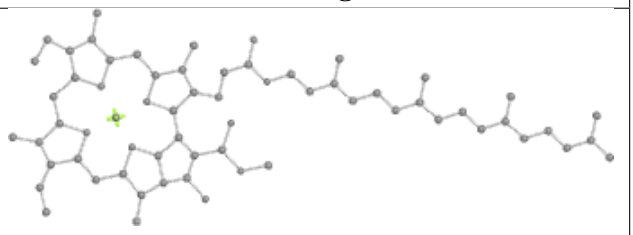
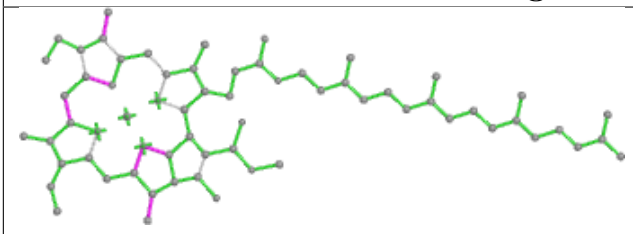
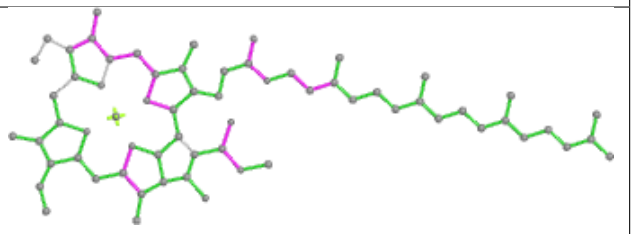


Rings

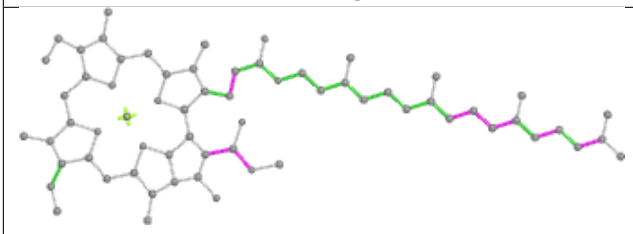
Ligand CLA b 830



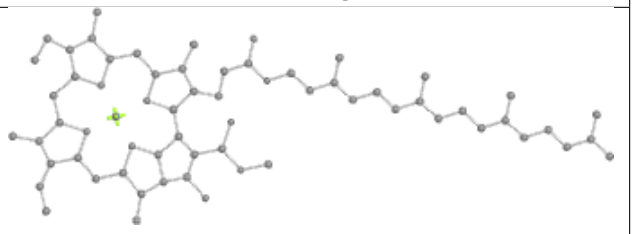
Bond lengths



Bond angles

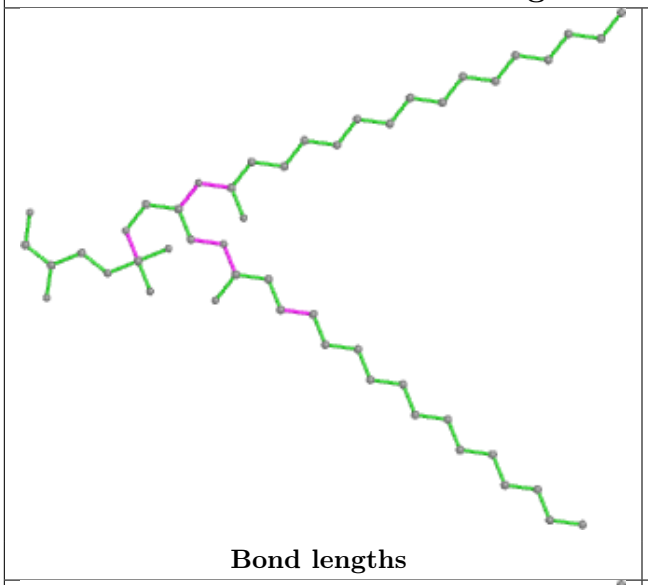


Torsions



Rings

Ligand LHG g 850



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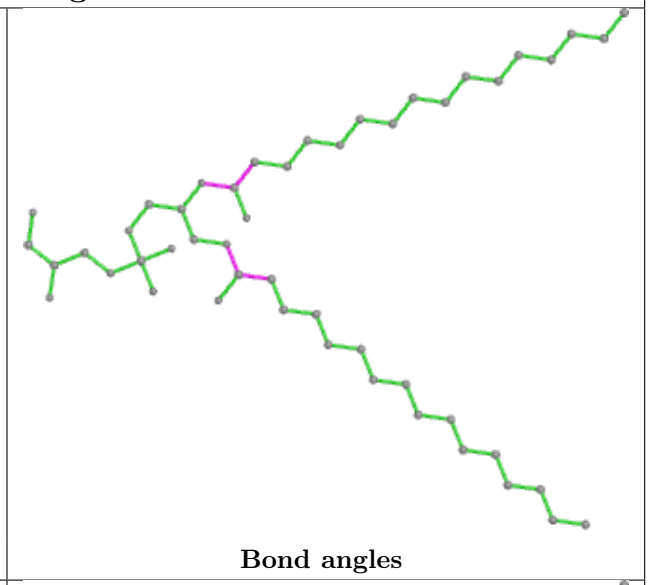
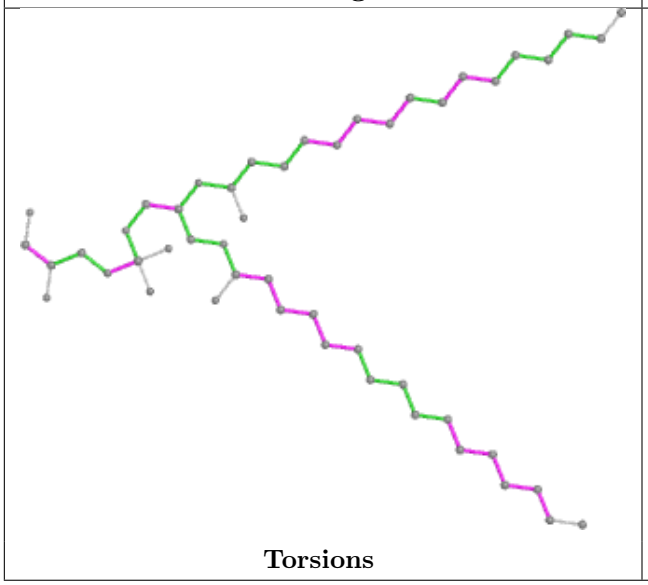
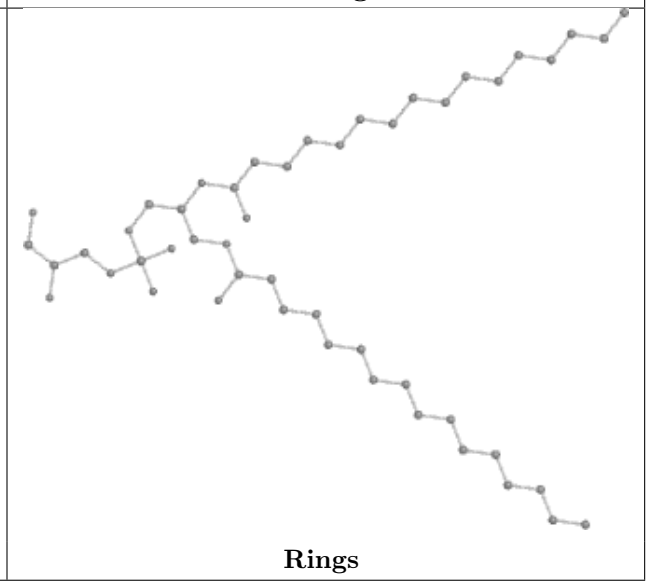


Bond angles

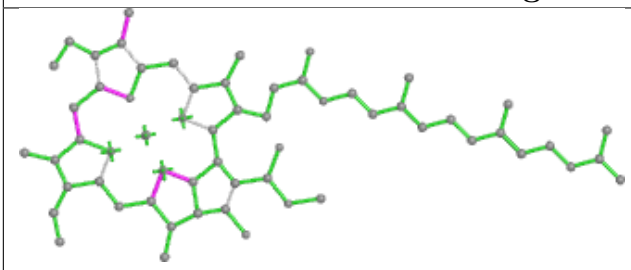


Torsions

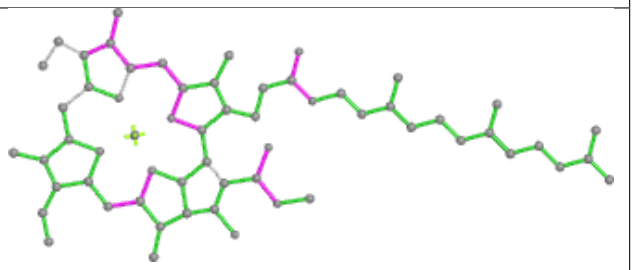


Rings

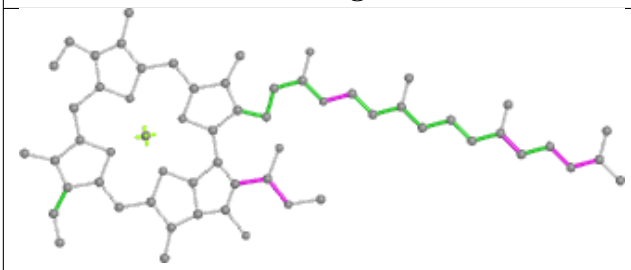
Ligand CLA G 812



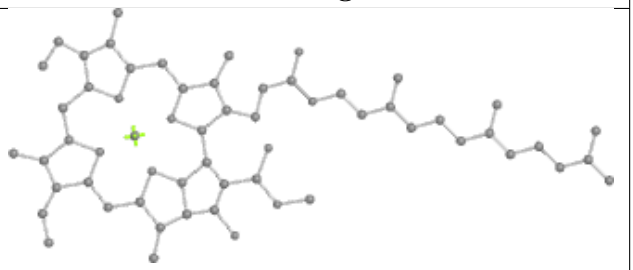
Bond lengths



Bond angles

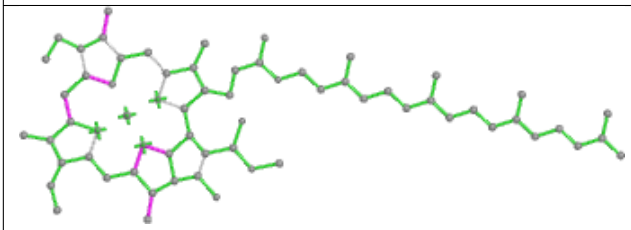


Torsions

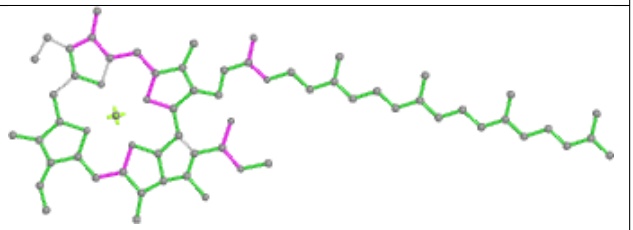


Rings

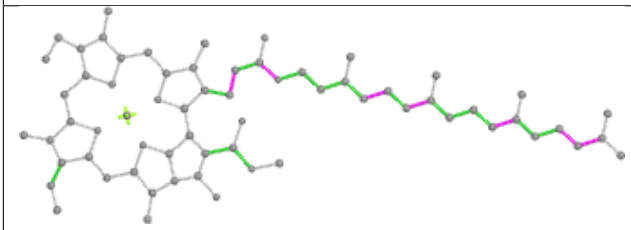
Ligand CLA B 840



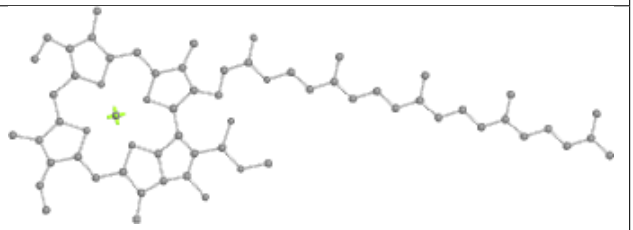
Bond lengths



Bond angles

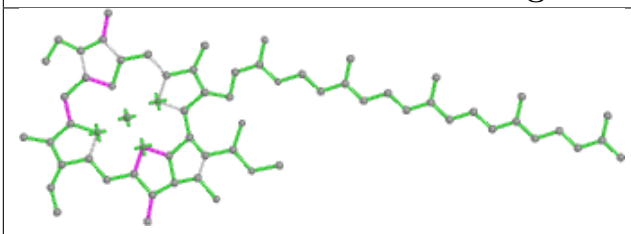


Torsions

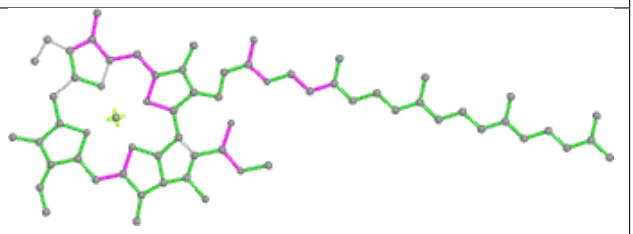


Rings

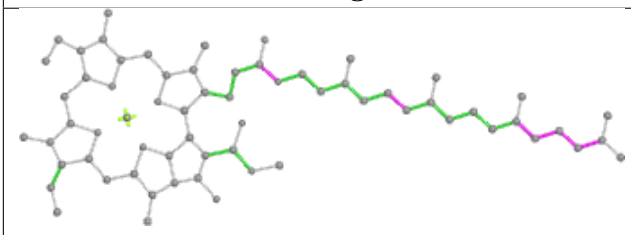
Ligand CLA b 807



Bond lengths



Bond angles



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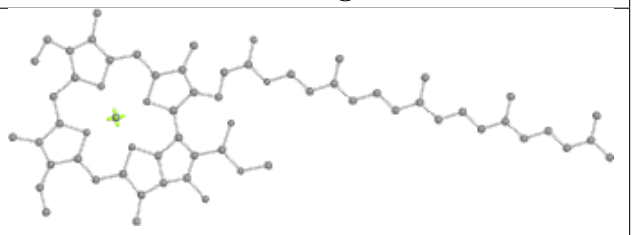
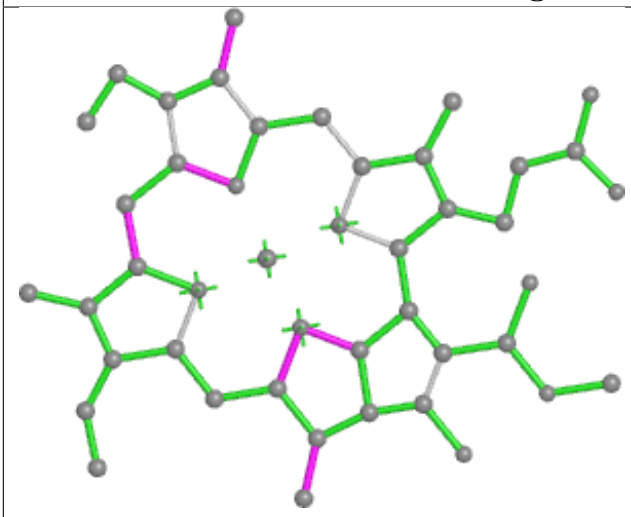


Rings

Ligand CLA a 840



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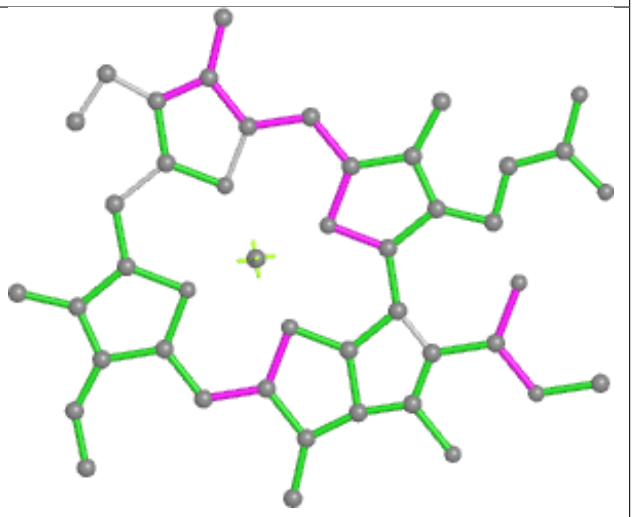
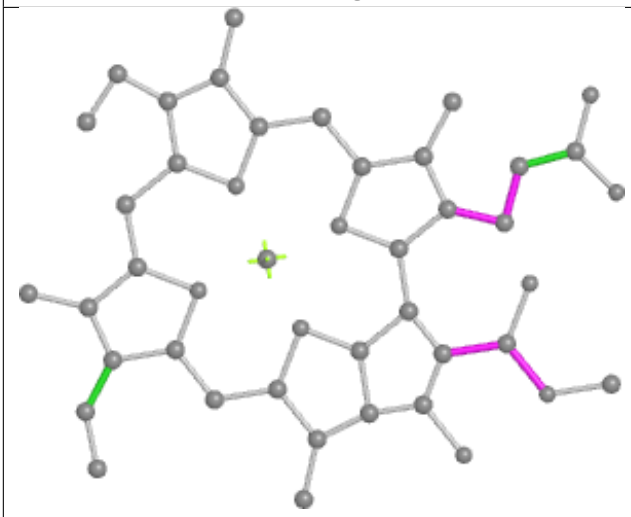


Bond angles



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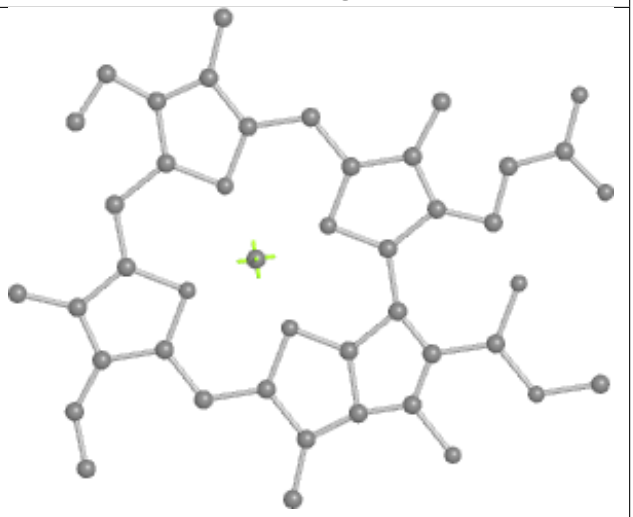
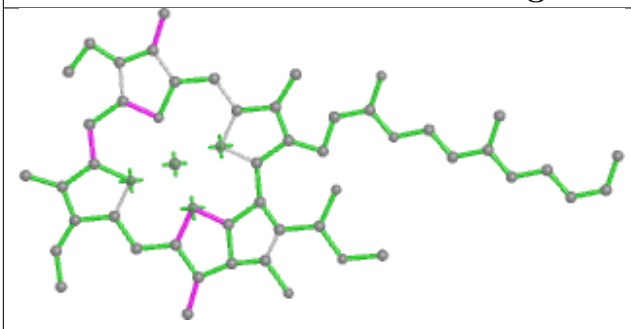
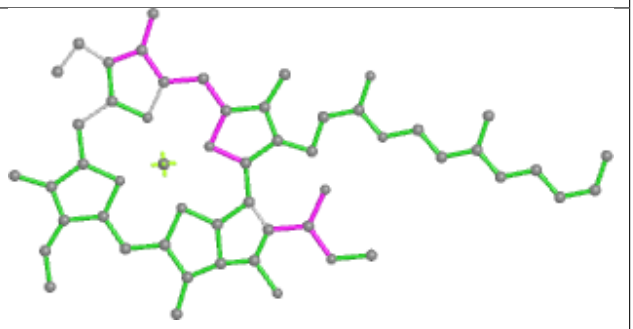


Rings

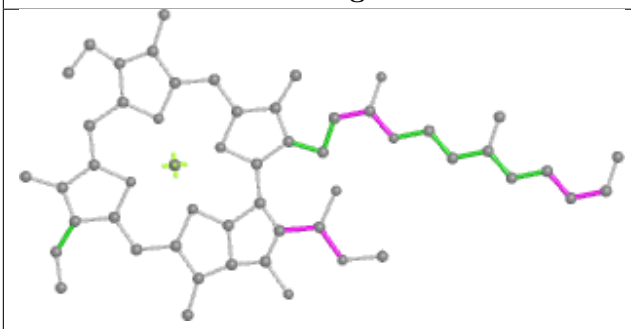
Ligand CLA b 812



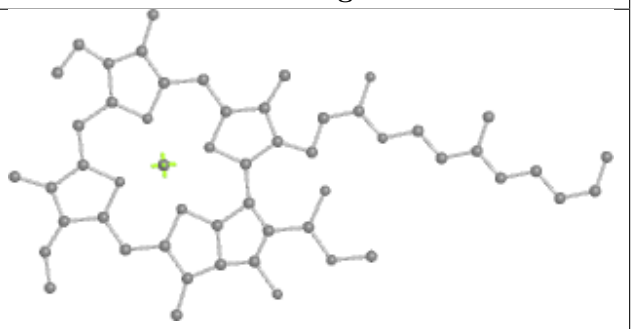
Bond lengths



Bond angles

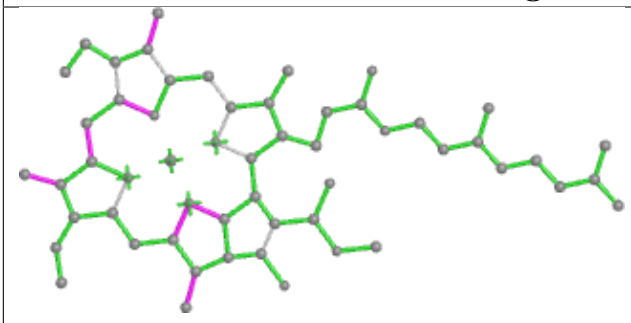


Torsions

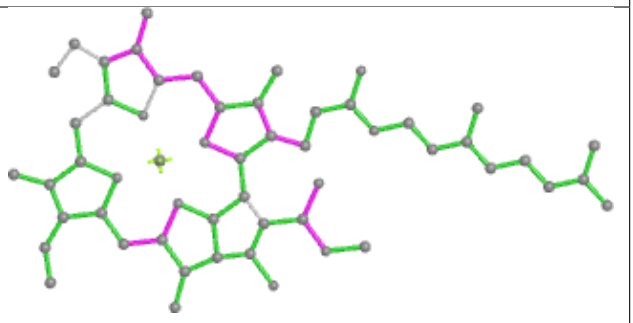


Rings

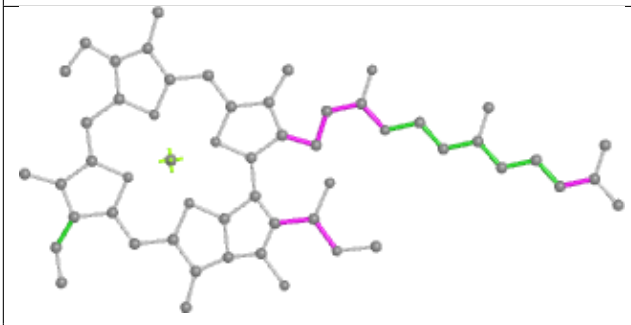
Ligand CLA B 805



Bond lengths



Bond angles



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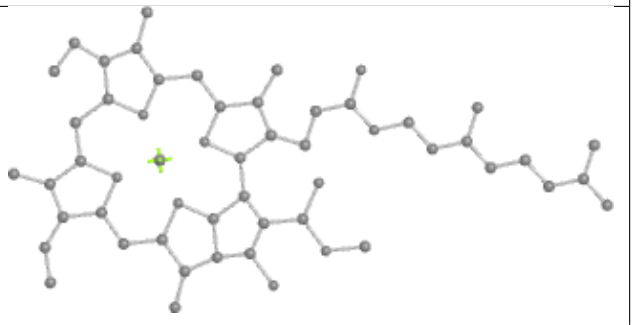
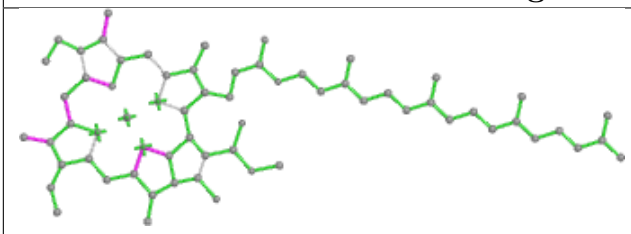
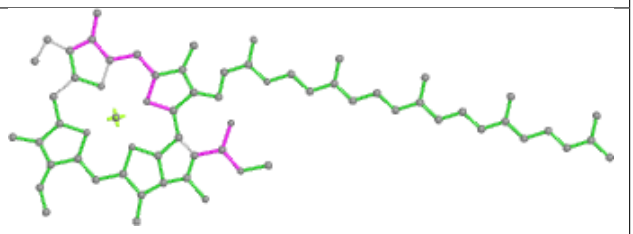


Rings

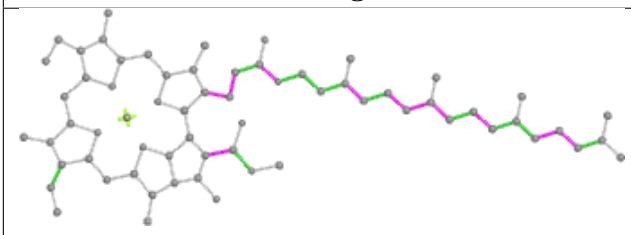
Ligand CLA b 803



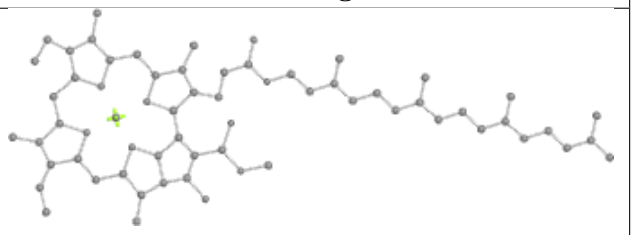
Bond lengths



Bond angles

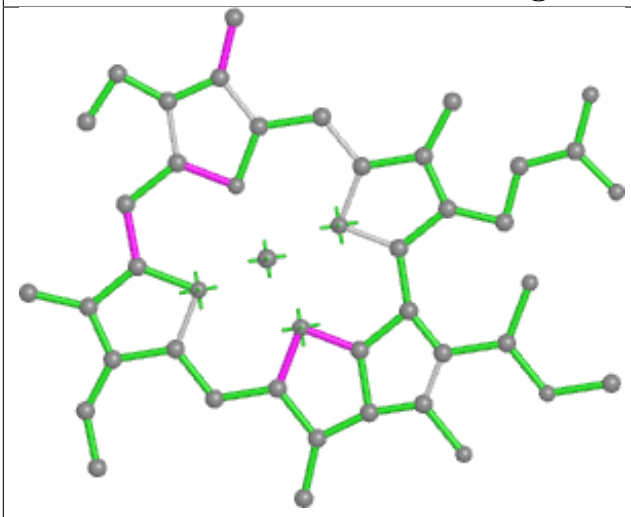


Torsions



Rings

Ligand CLA s 202



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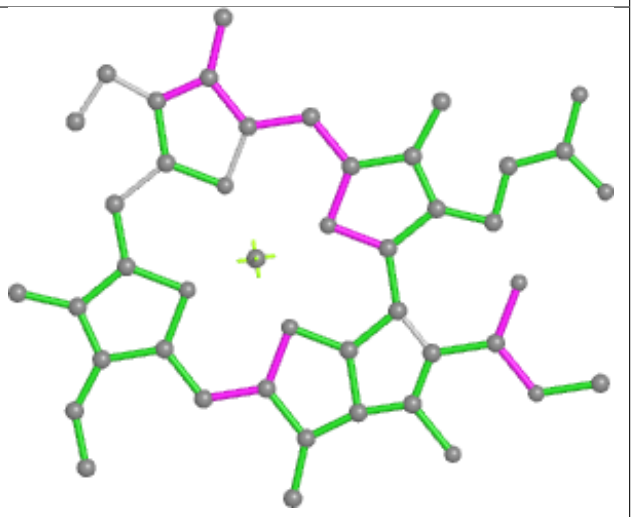

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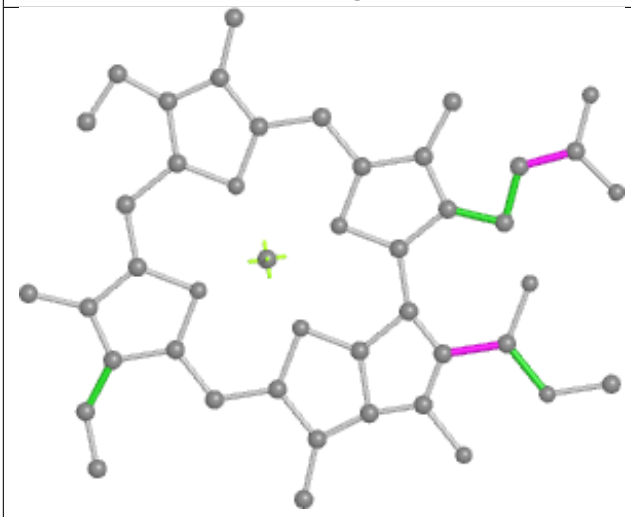

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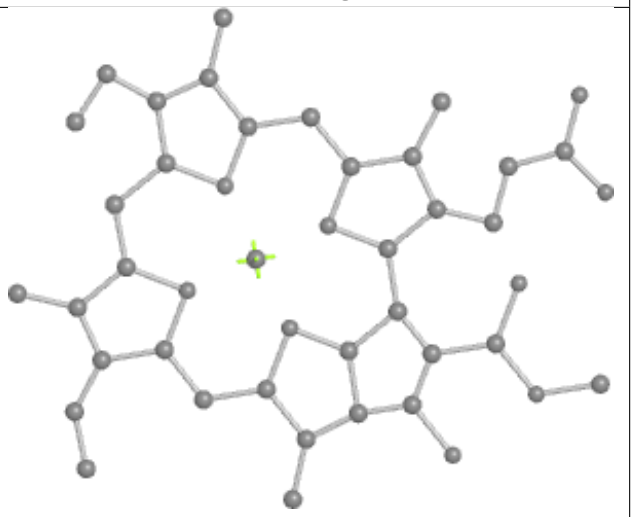
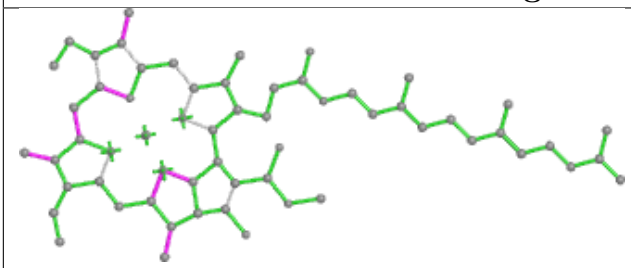


Rings

Ligand CLA A 812



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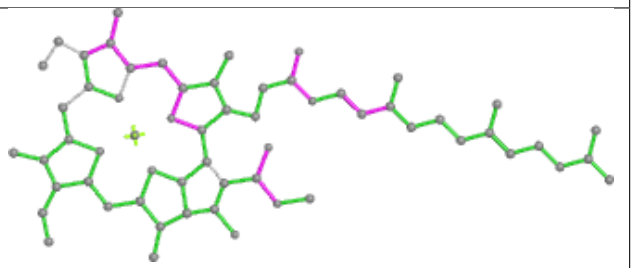
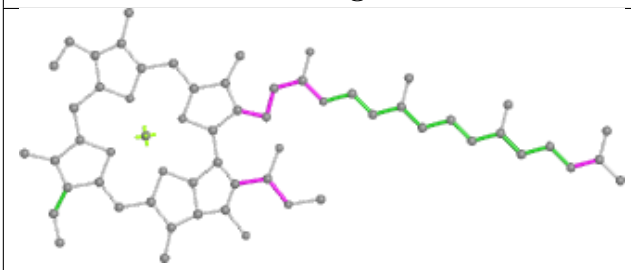


Bond angles



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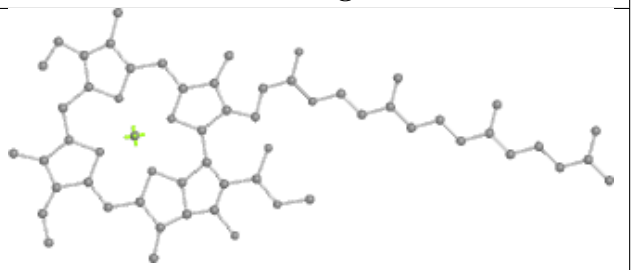
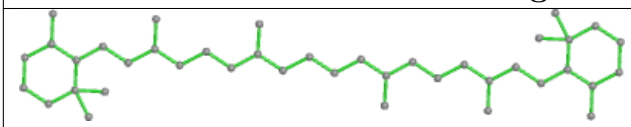


Rings

Ligand BCR j 103



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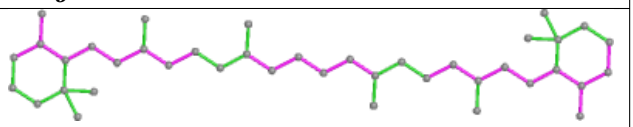

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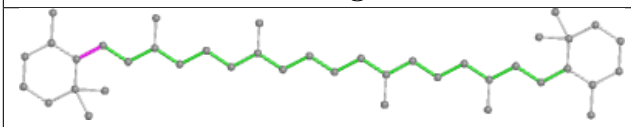

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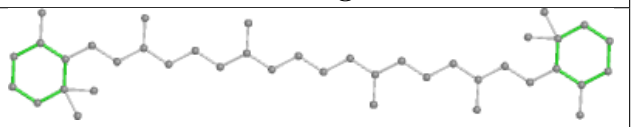
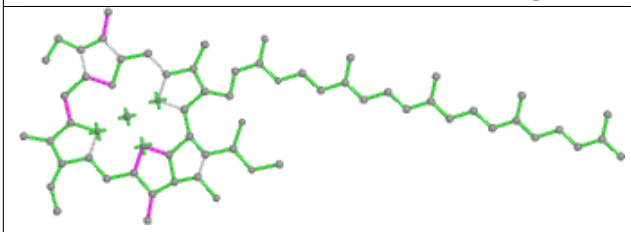


Rings

Ligand CLA b 802



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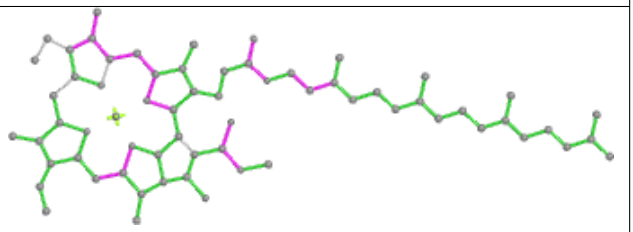
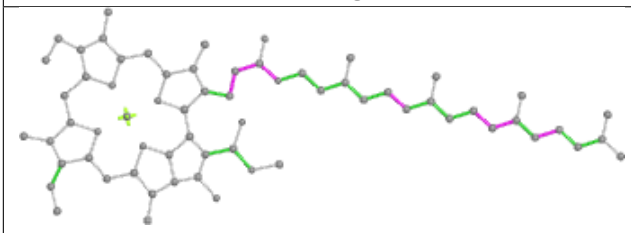


Bond angles



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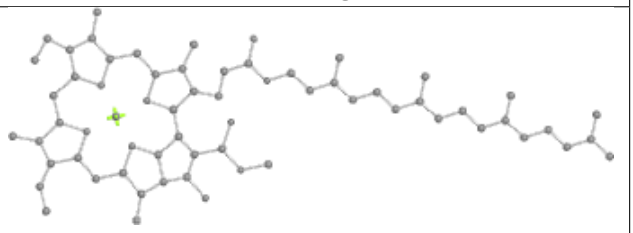
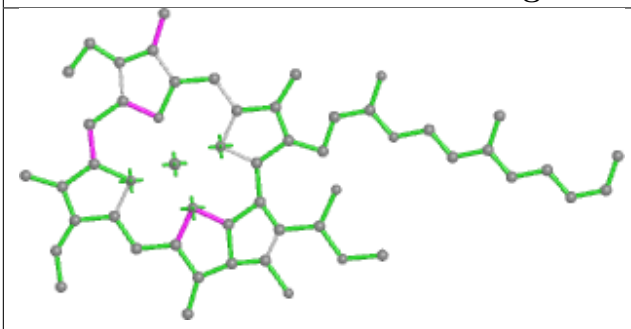


Rings

Ligand CLA G 813



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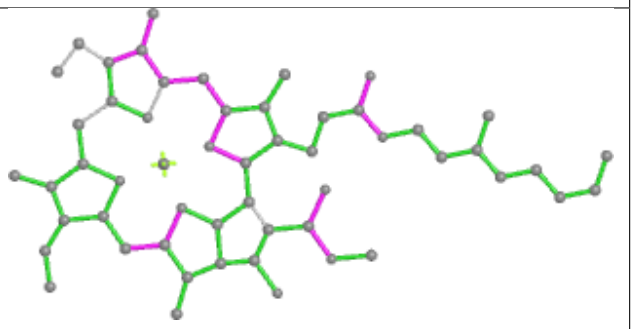
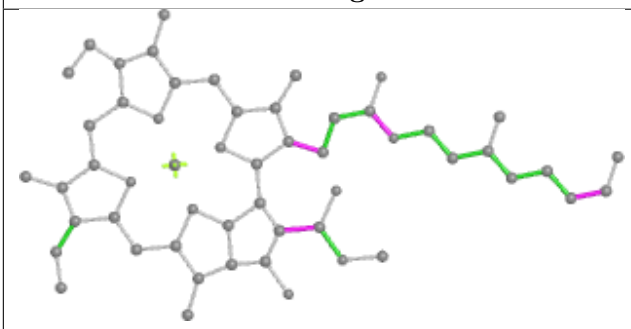


Bond angles



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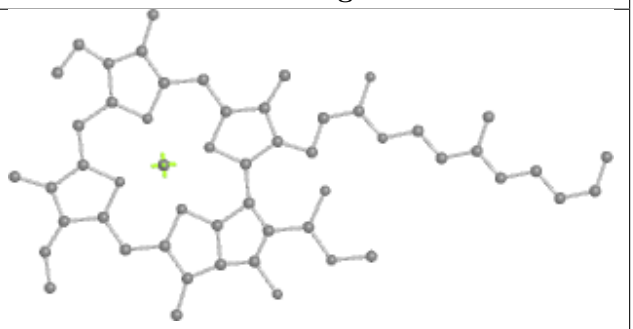
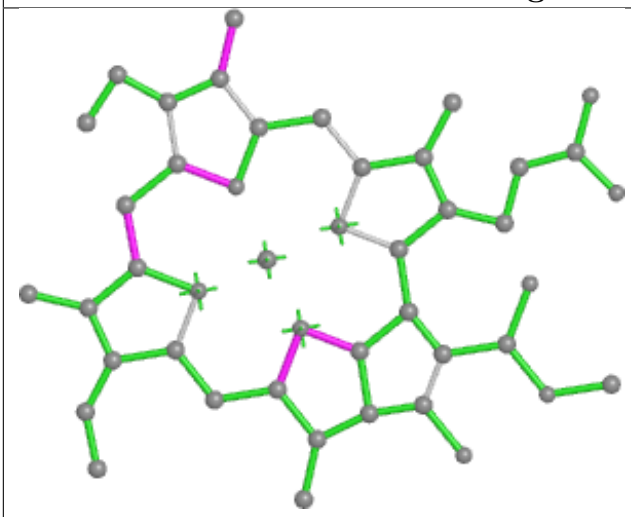


Rings

Ligand CLA n 821



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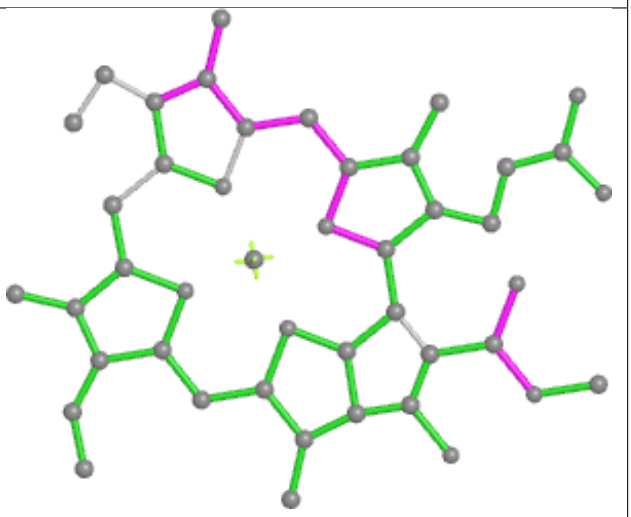
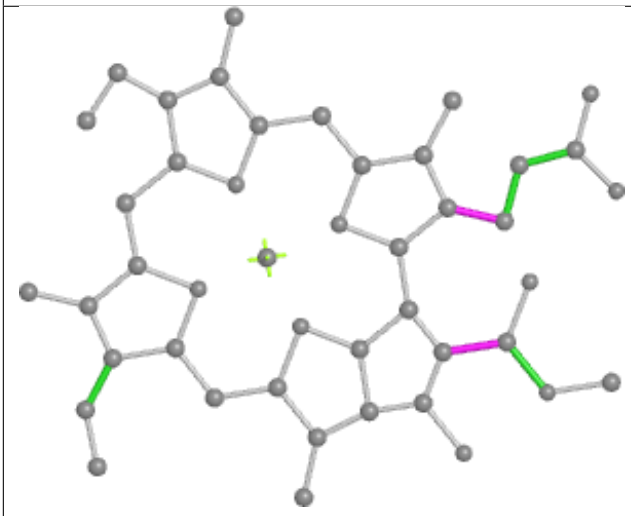


Bond angles



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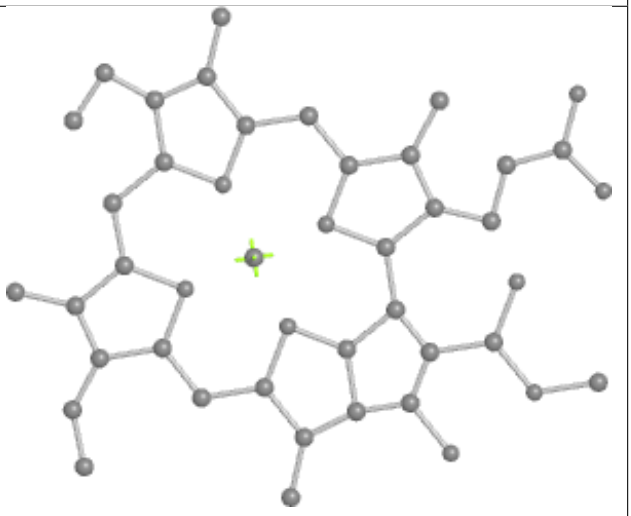
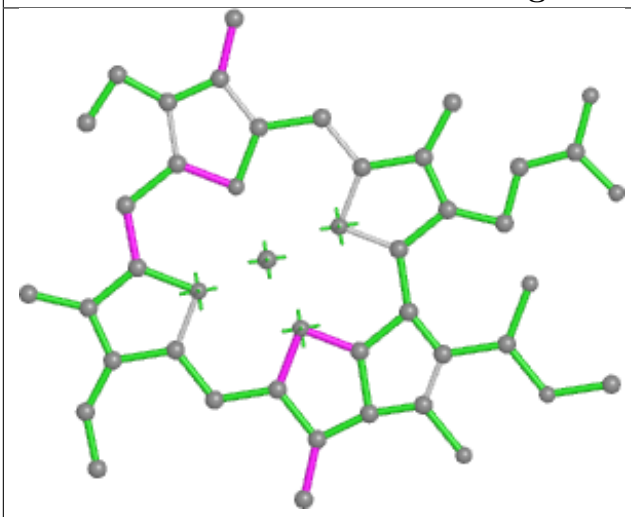


Rings

Ligand CLA g 820



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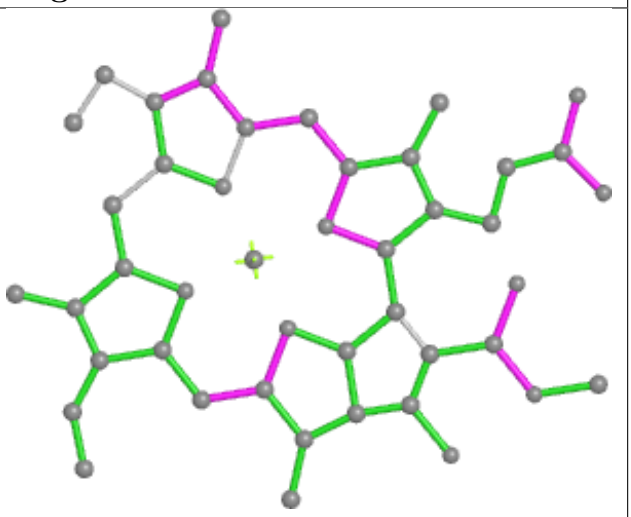
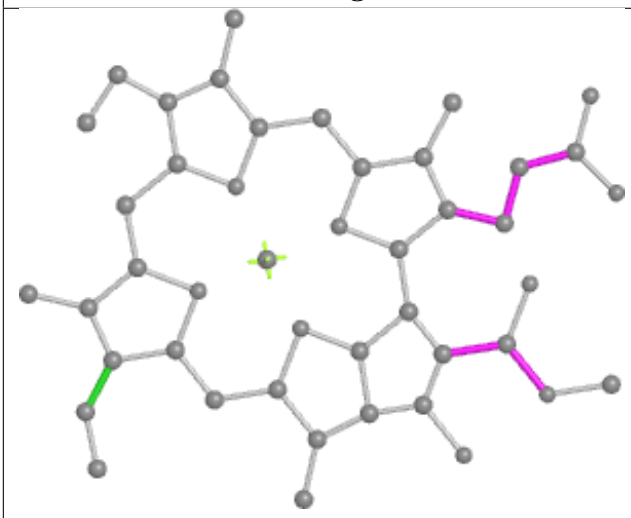


Bond angles



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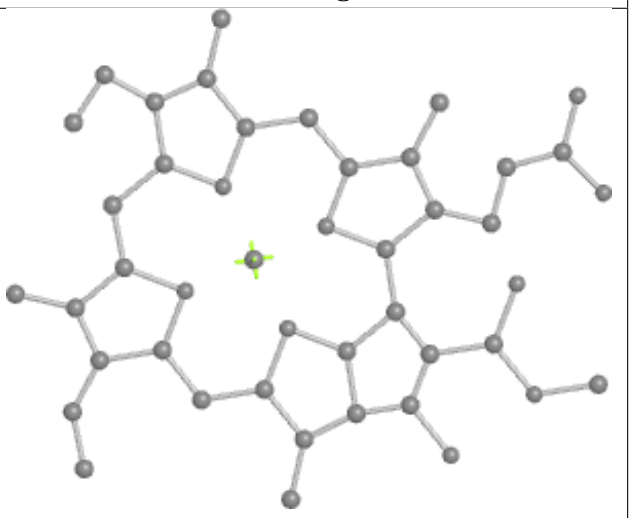
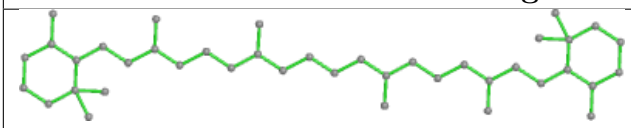


Rings

Ligand BCR N 849



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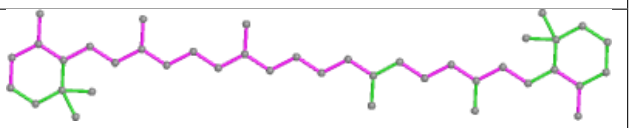
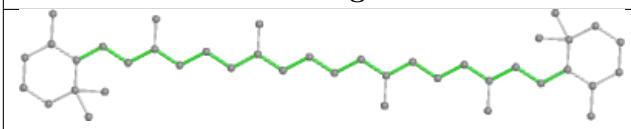


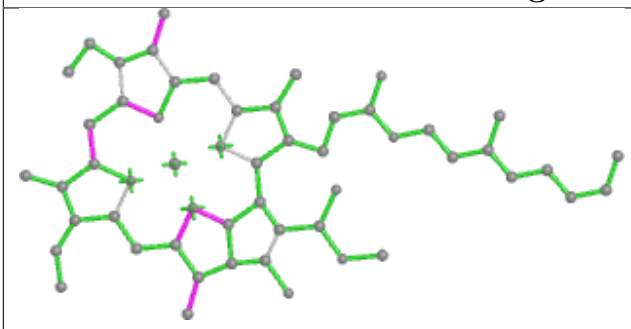
Bond angles



Torsions

Rings

Ligand CLA g 812



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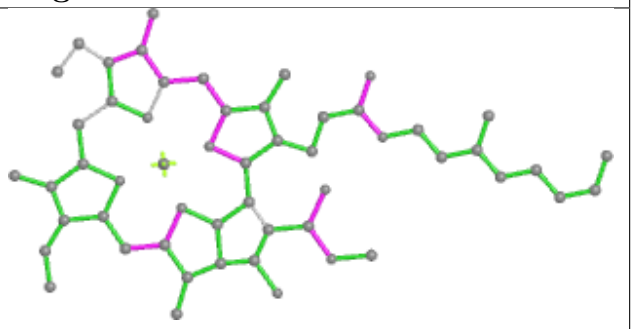
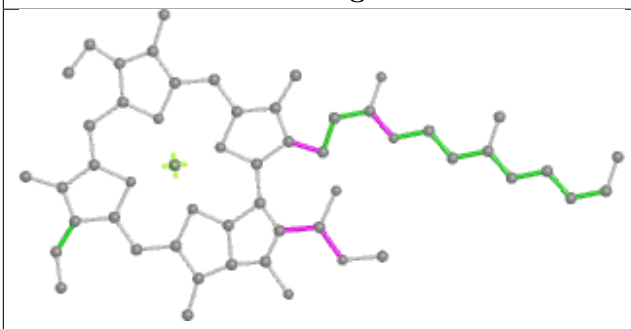


Bond angles



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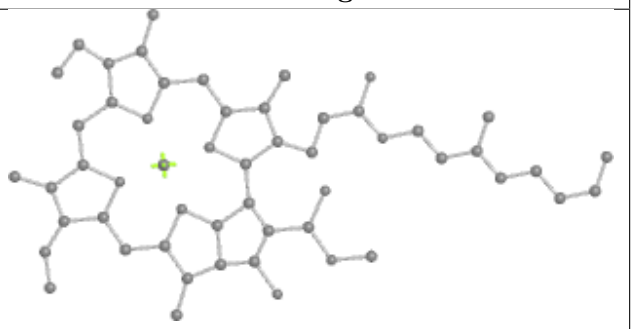
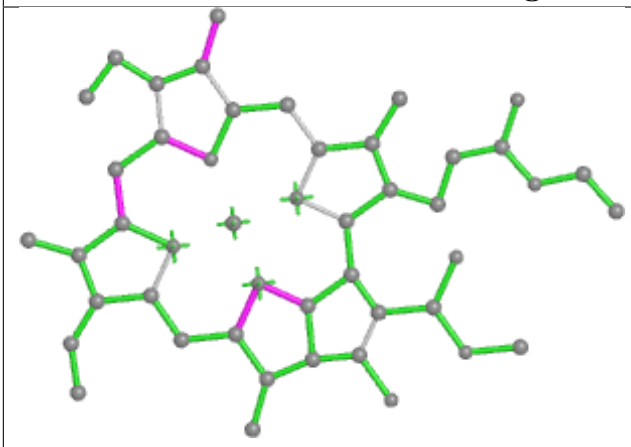


Rings

Ligand CLA N 840



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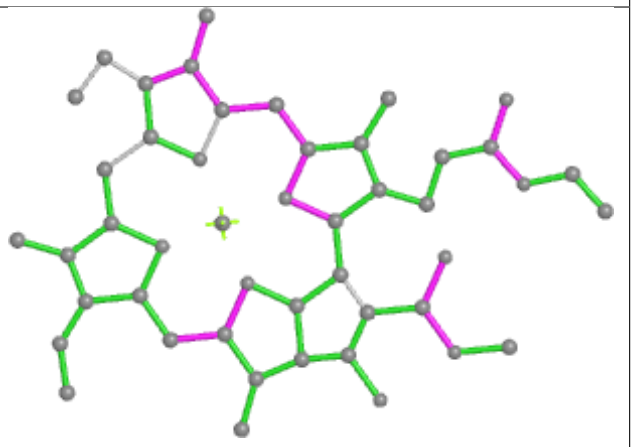
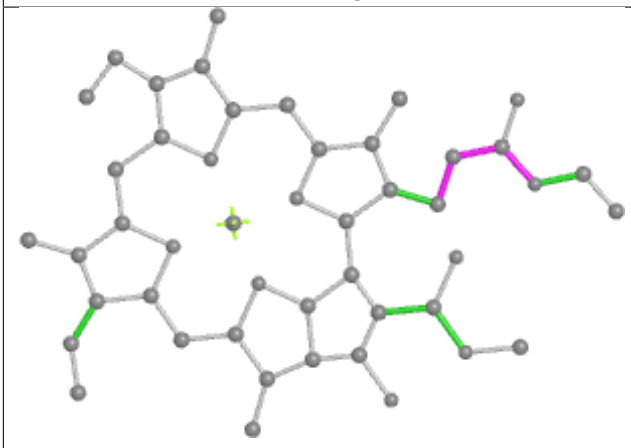


Bond angles



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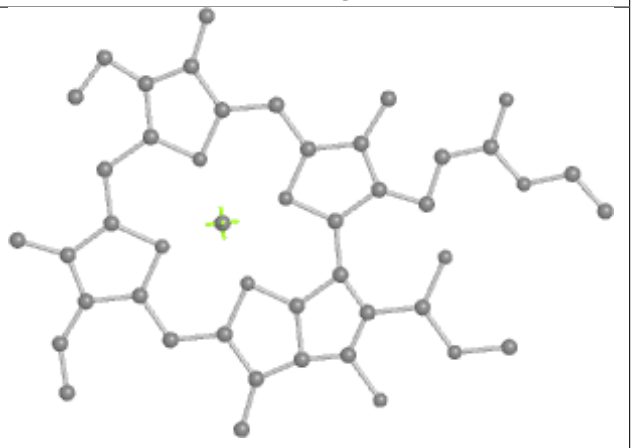
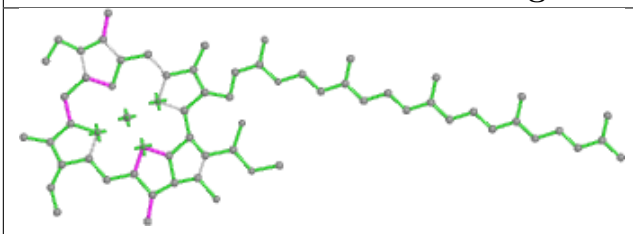


Rings

Ligand CLA a 837



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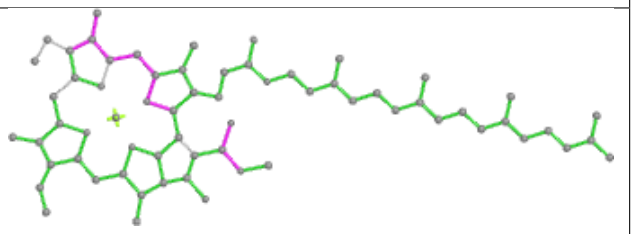
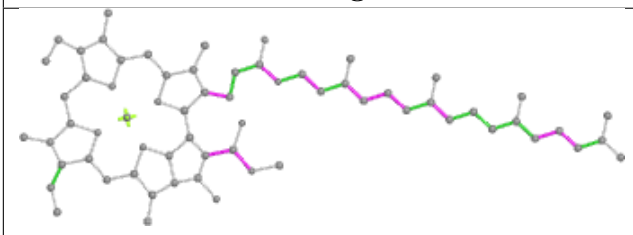
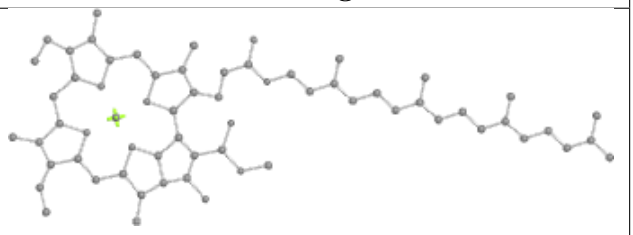


Bond angles

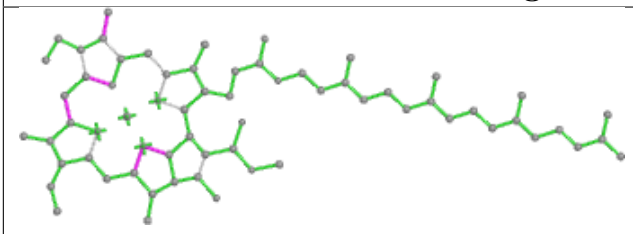


Torsions

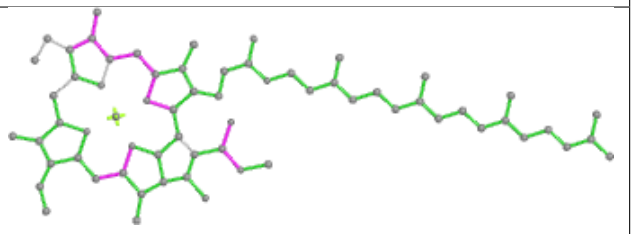


Rings

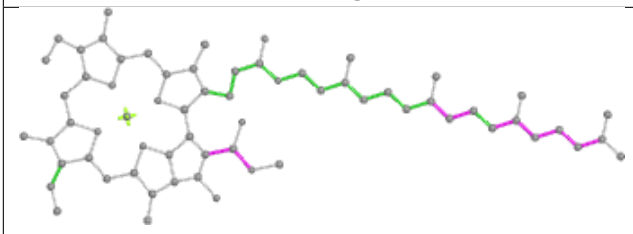
Ligand CLA N 821



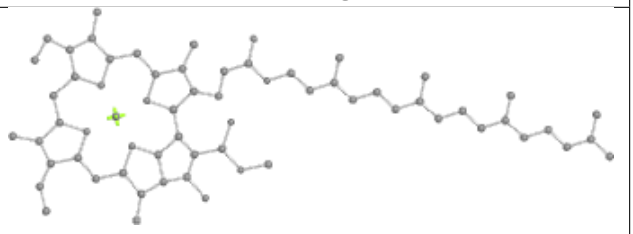
Bond lengths



Bond angles

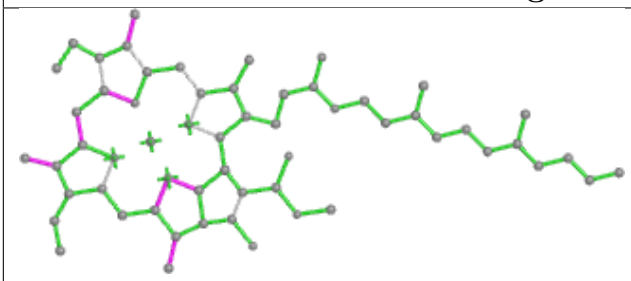


Torsions



Rings

Ligand CLA n 850



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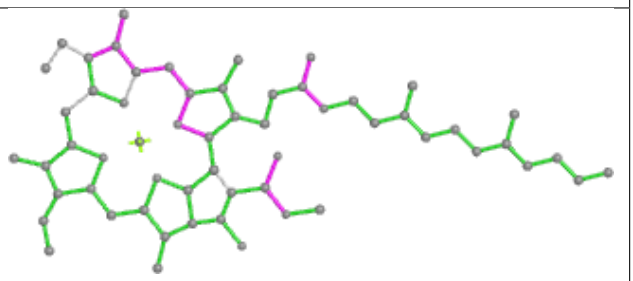
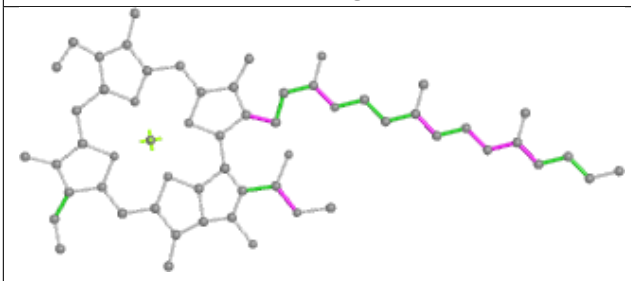
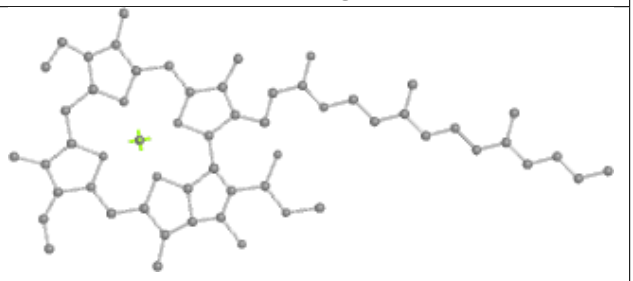


Bond angles

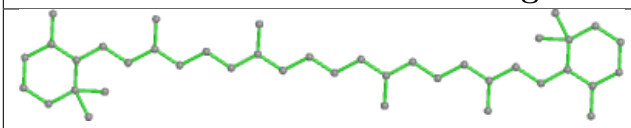


Torsions

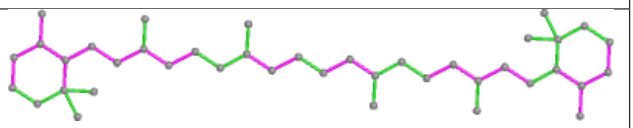


Rings

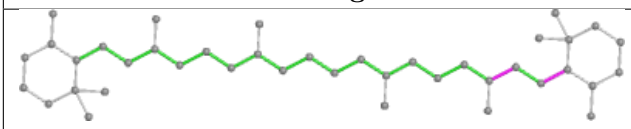
Ligand BCR N 845



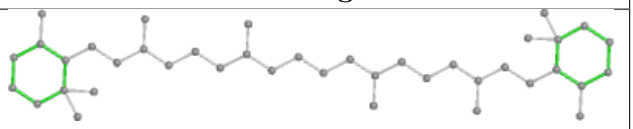
Bond lengths



Bond angles

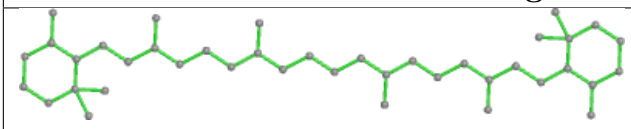


Torsions

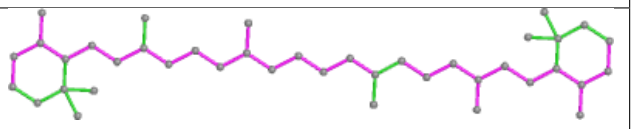


Rings

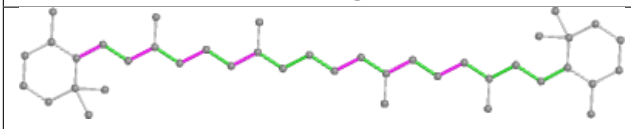
Ligand BCR b 846



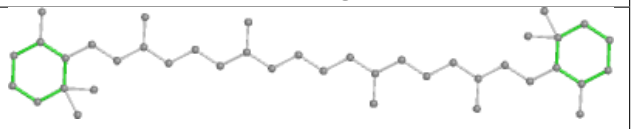
Bond lengths



Bond angles

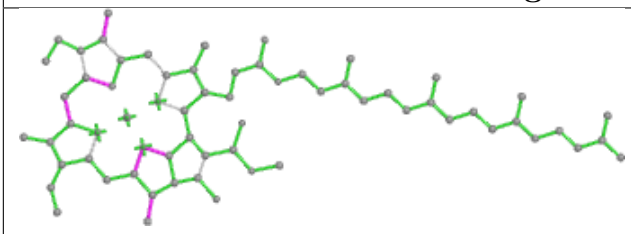


Torsions

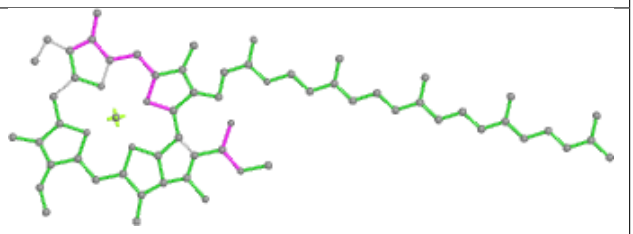


Rings

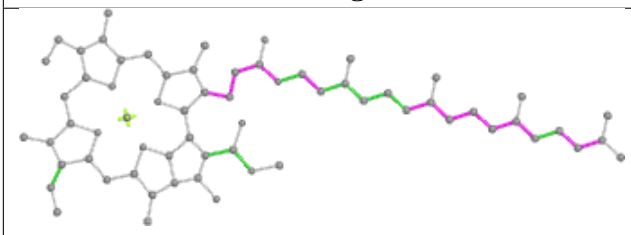
Ligand CLA B 818



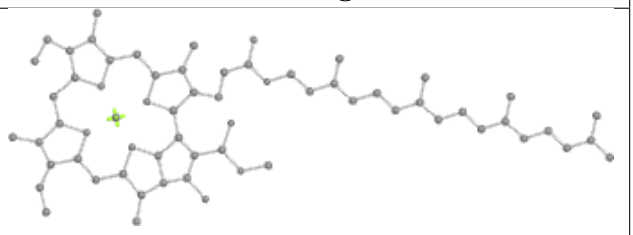
Bond lengths



Bond angles

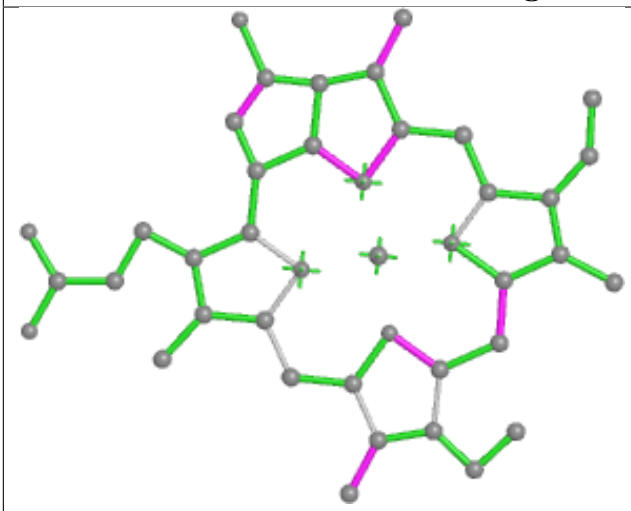


Torsions

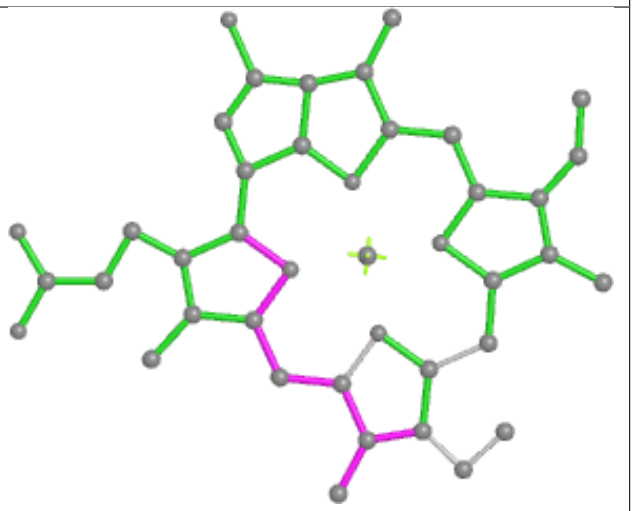


Rings

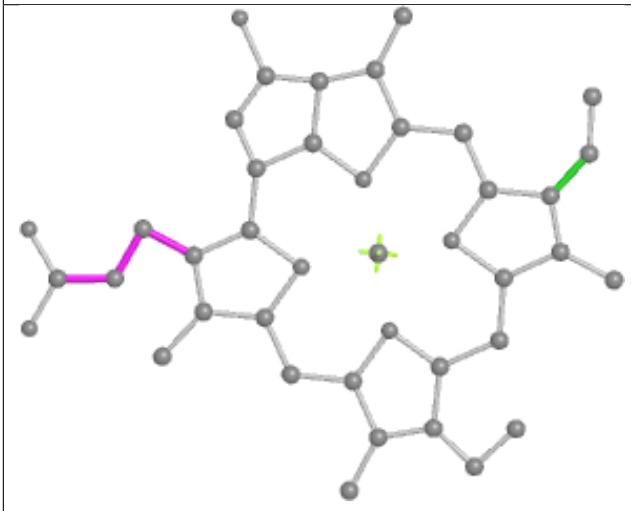
Ligand CLA K 101



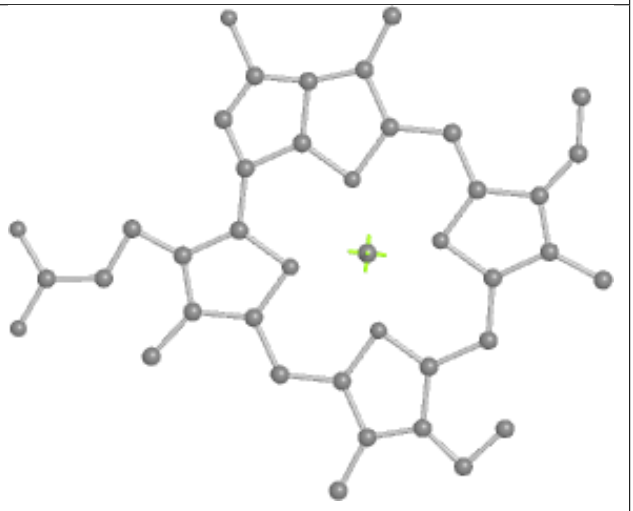
Bond lengths



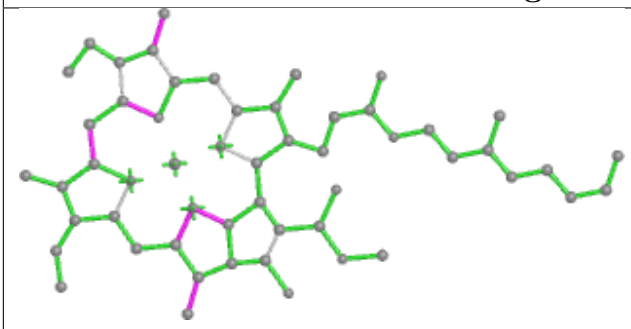
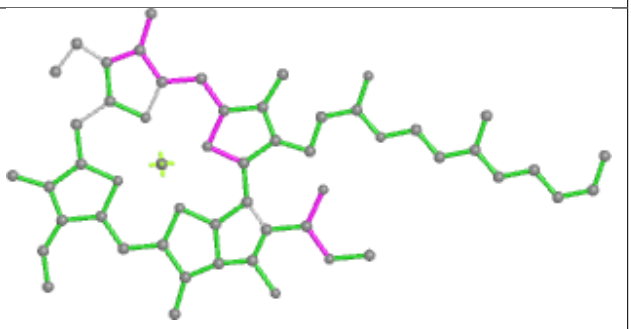
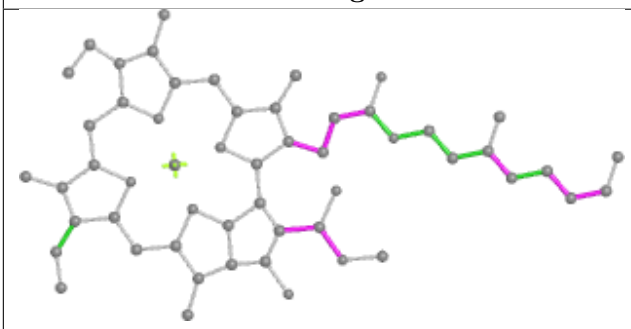
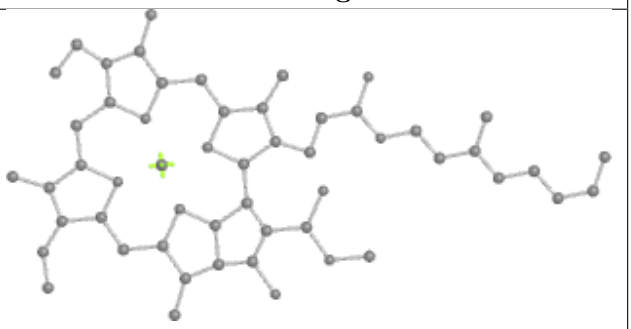
Bond angles

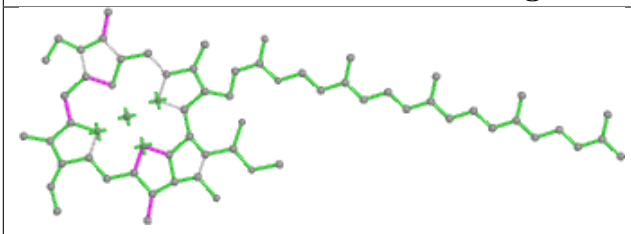
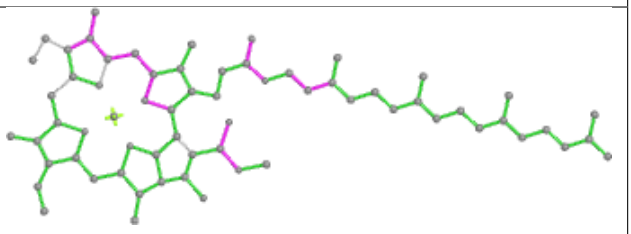
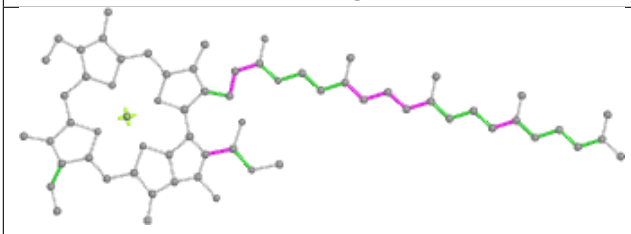
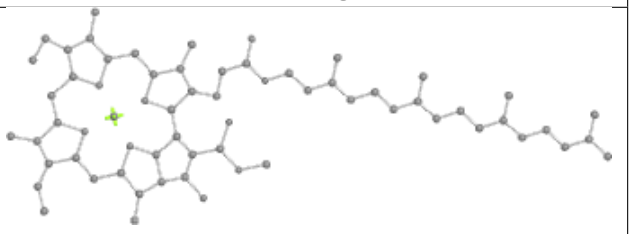


Torsions

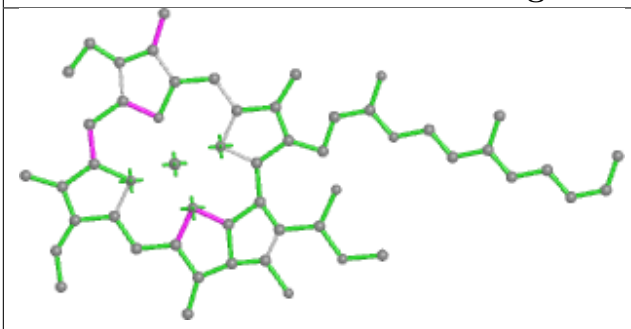


Rings

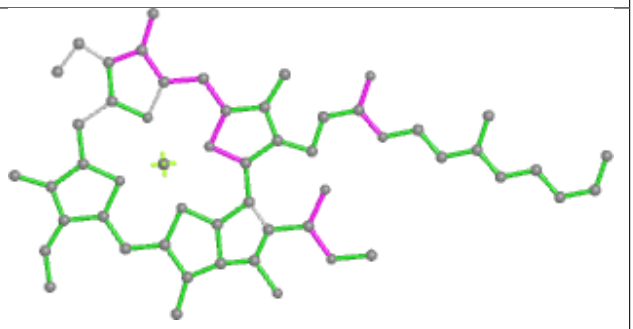
Ligand CLA B 831	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 808	
	
Bond lengths	Bond angles
	
Torsions	Rings

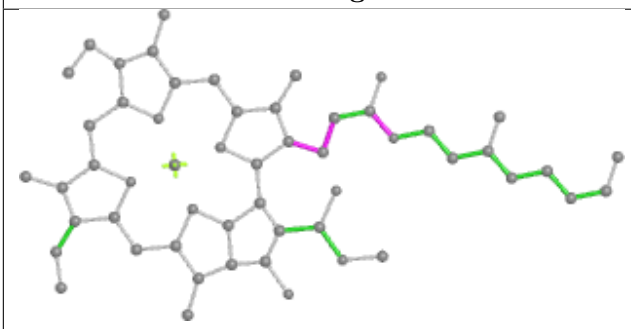
Ligand CLA n 812



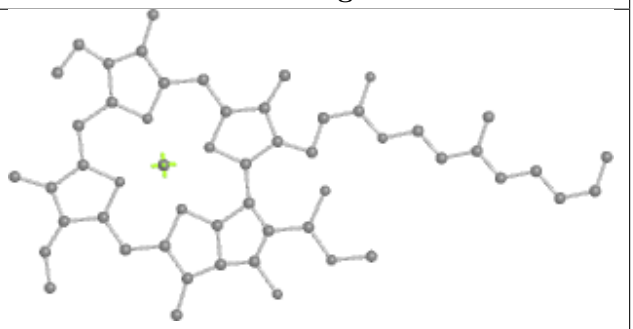
Bond lengths



Bond angles

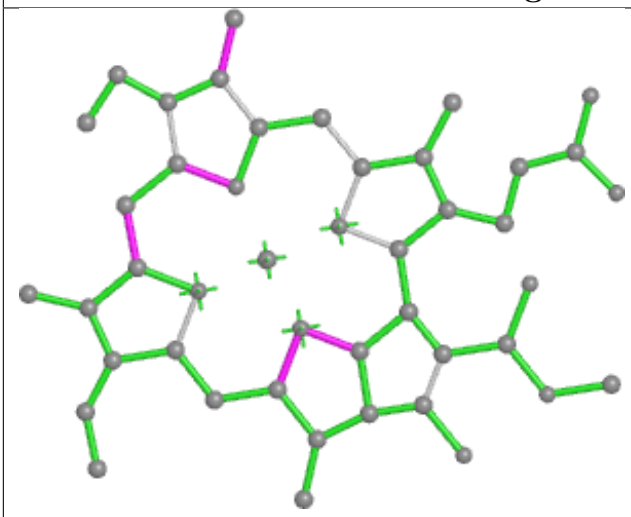


Torsions

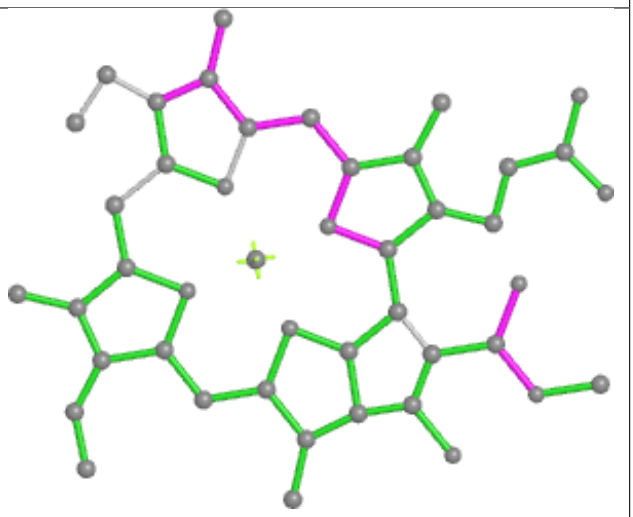


Rings

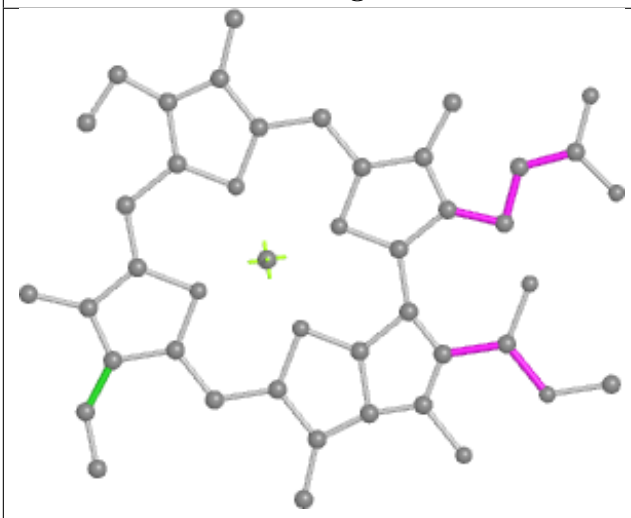
Ligand CLA T 101



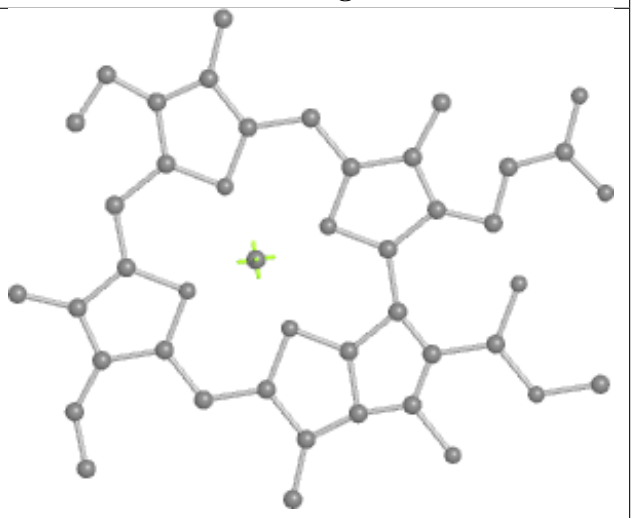
Bond lengths



Bond angles

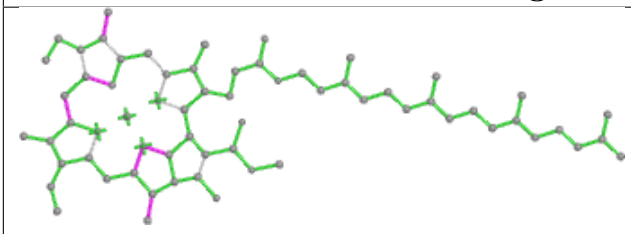


Torsions

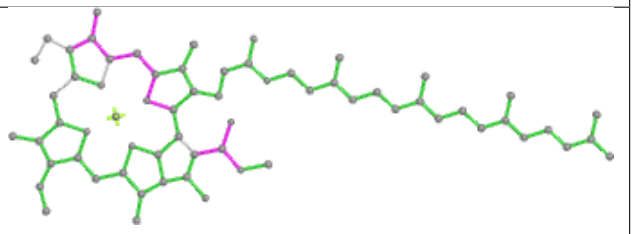


Rings

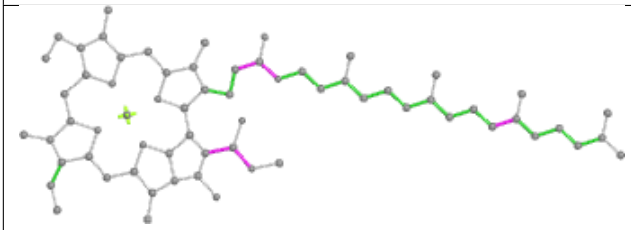
Ligand CLA a 832



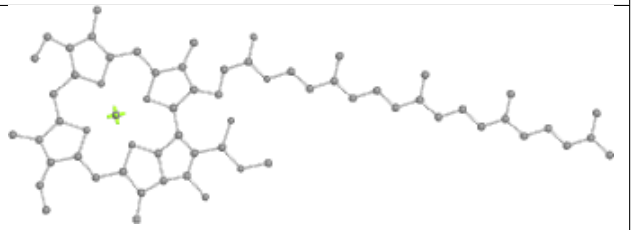
Bond lengths



Bond angles

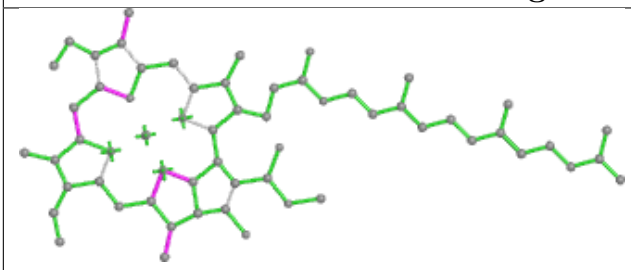


Torsions



Rings

Ligand CLA g 816



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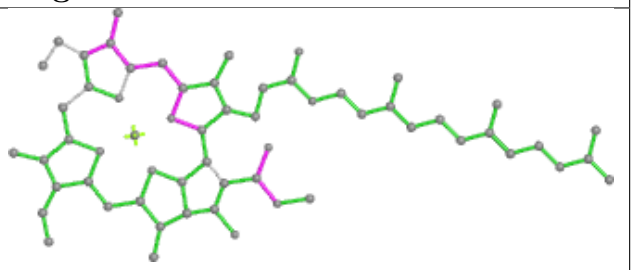
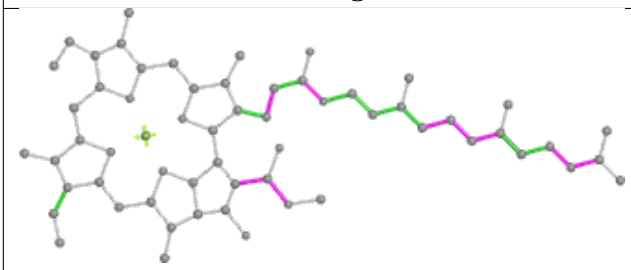
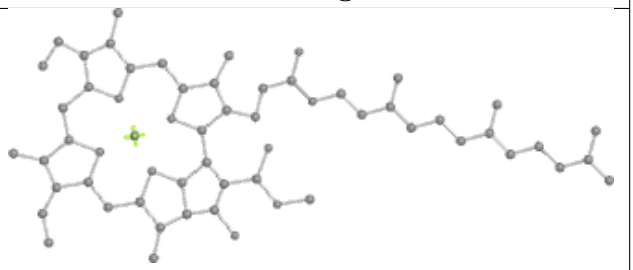


Bond angles

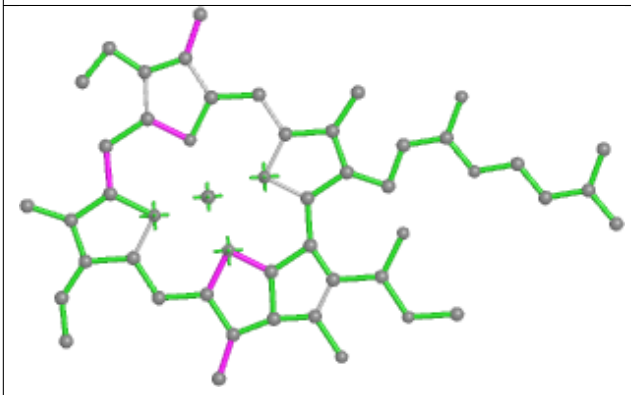


Torsions

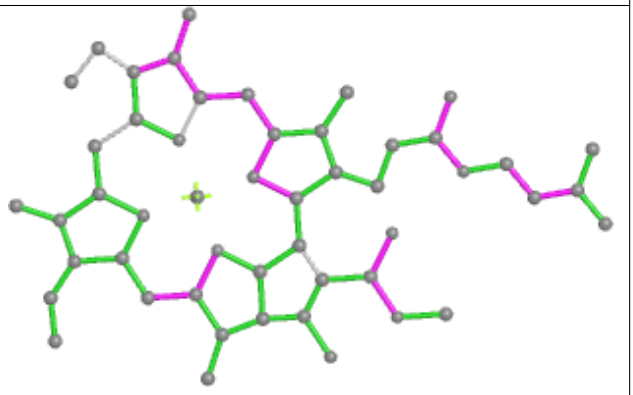


Rings

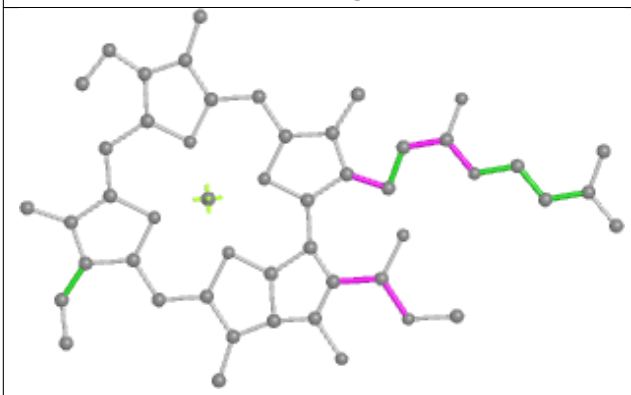
Ligand CLA b 815



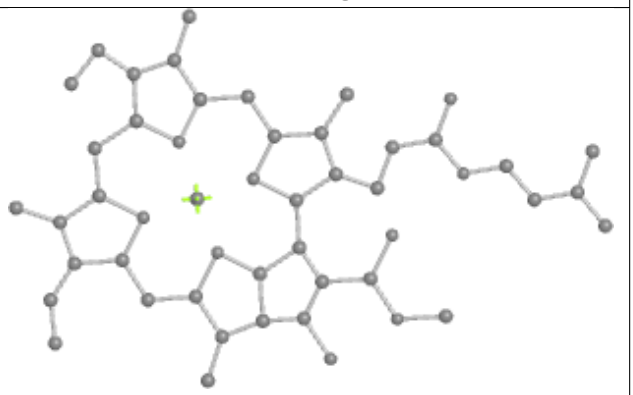
Bond lengths



Bond angles

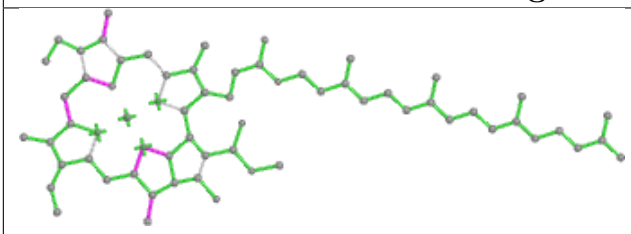


Torsions

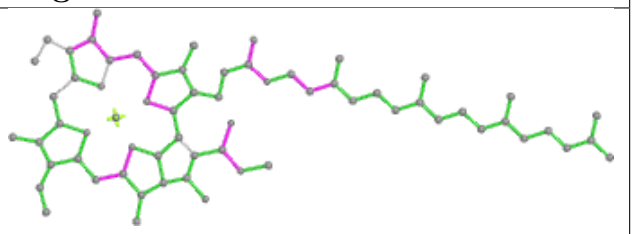


Rings

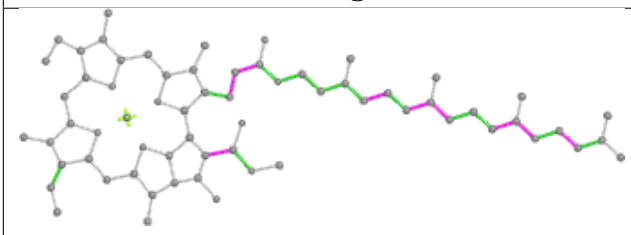
Ligand CLA g 838



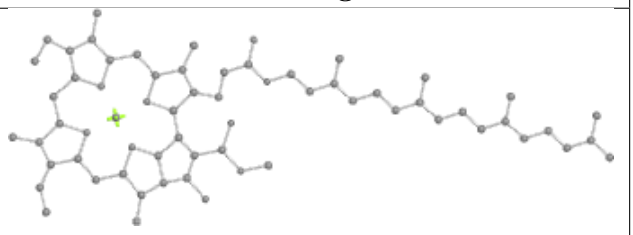
Bond lengths



Bond angles

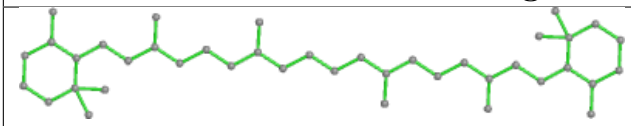


Torsions

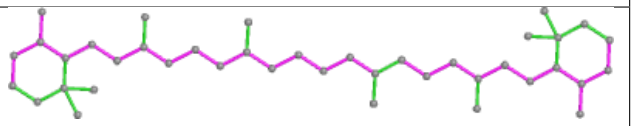


Rings

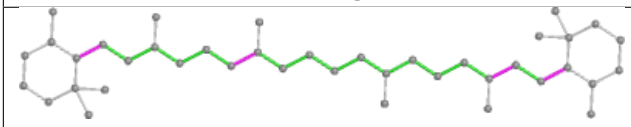
Ligand BCR A 856



Bond lengths



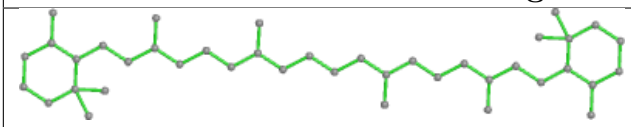
Bond angles



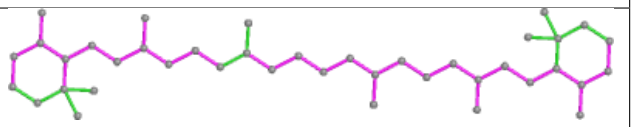
Torsions

Rings

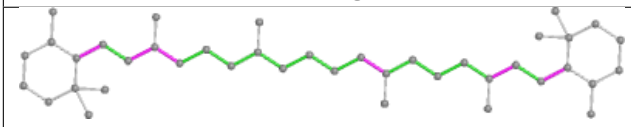
Ligand BCR a 848



Bond lengths



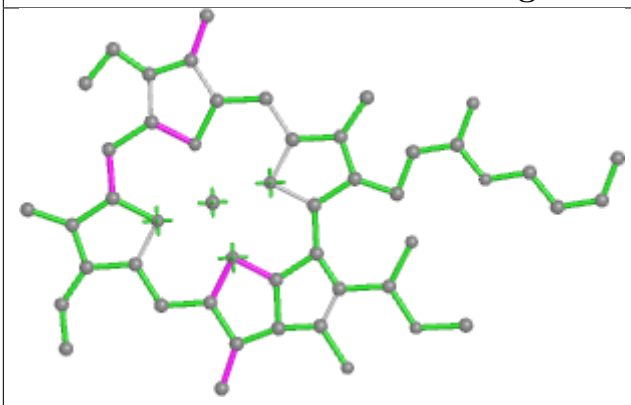
Bond angles



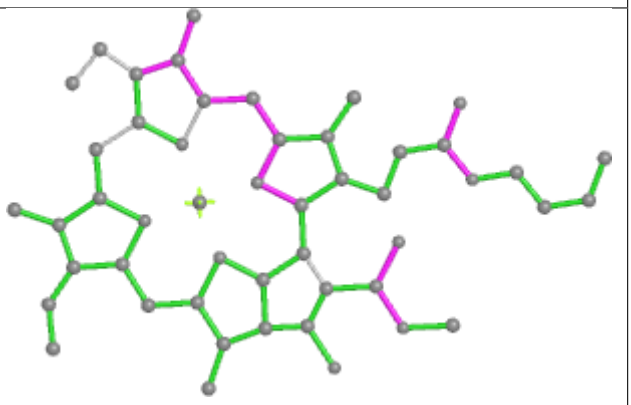
Torsions

Rings

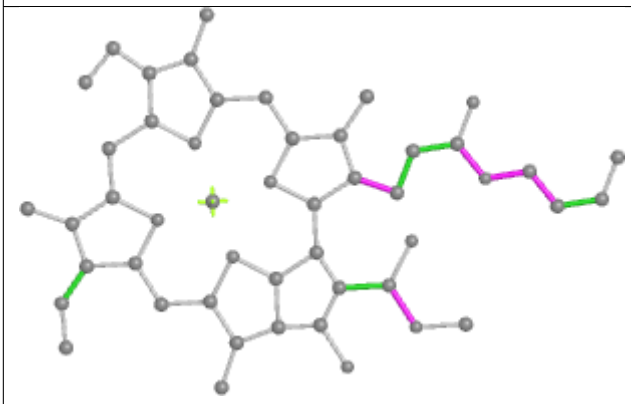
Ligand CLA h 1701



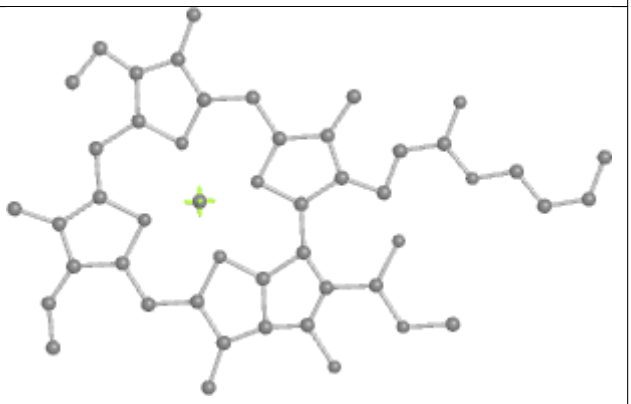
Bond lengths



Bond angles

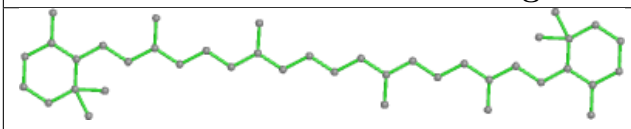


Torsions

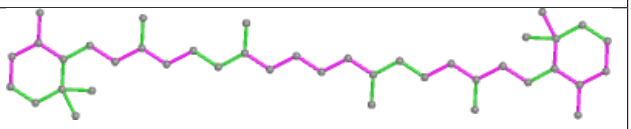


Rings

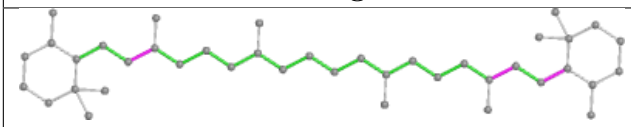
Ligand BCR w 206



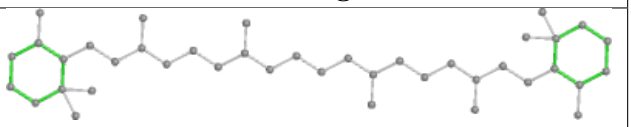
Bond lengths



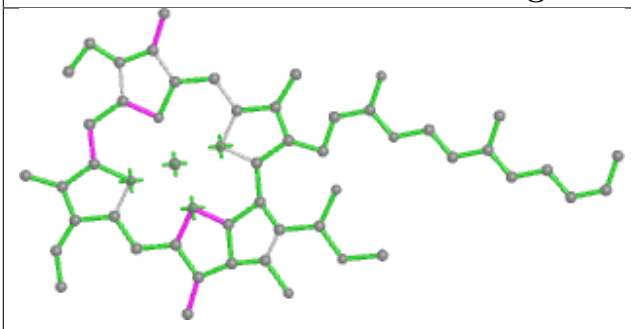
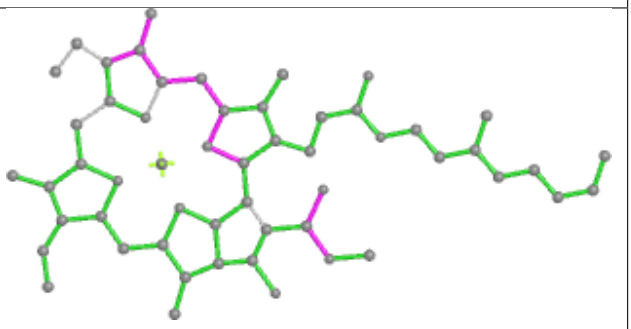
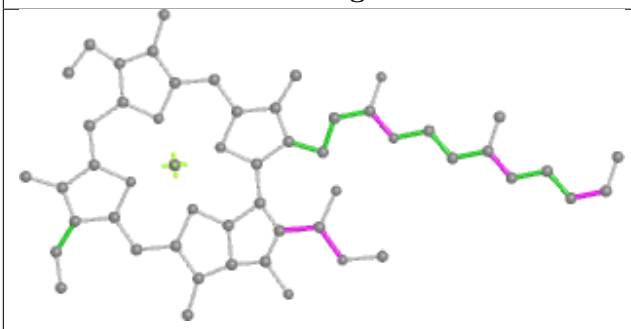
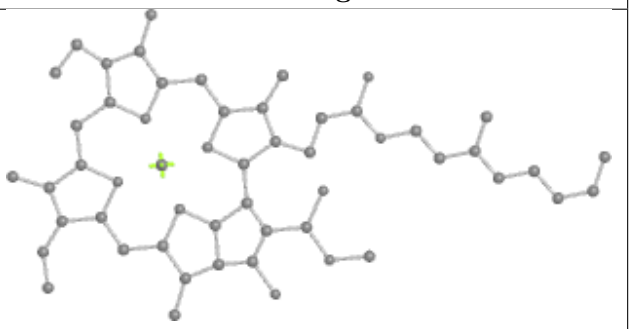
Bond angles

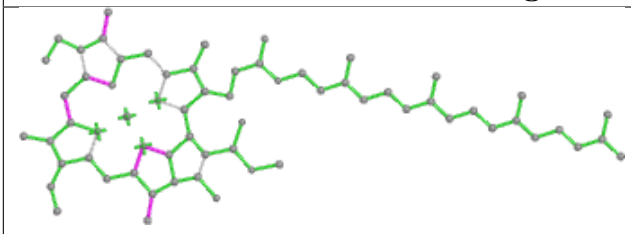
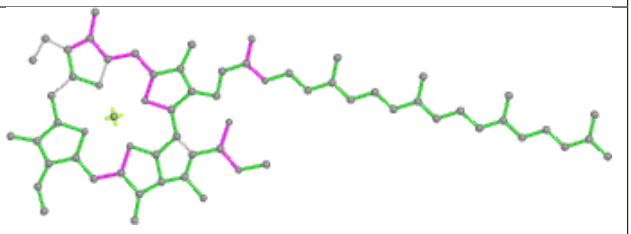
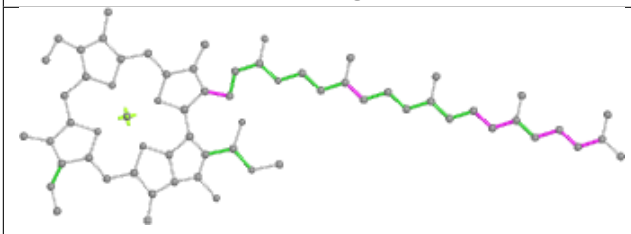
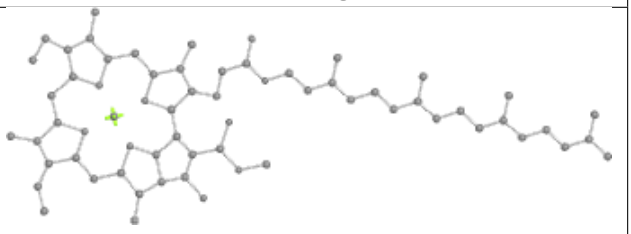


Torsions

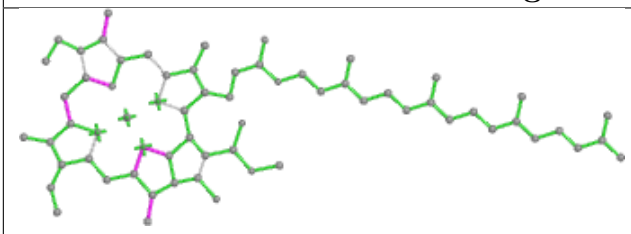


Rings

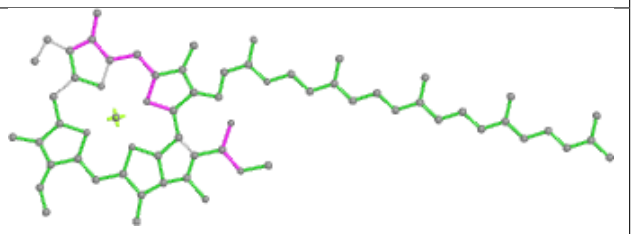
Ligand CLA n 811	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA G 831	
 Bond lengths	 Bond angles
 Torsions	 Rings

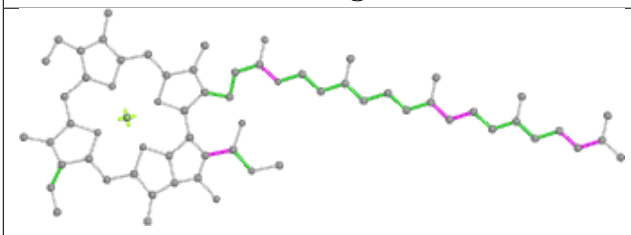
Ligand CLA A 824



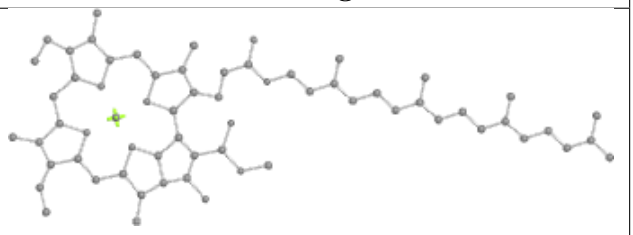
Bond lengths



Bond angles

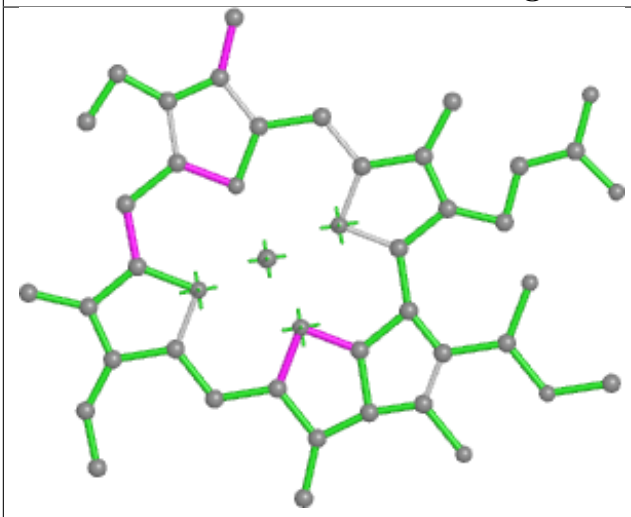


Torsions

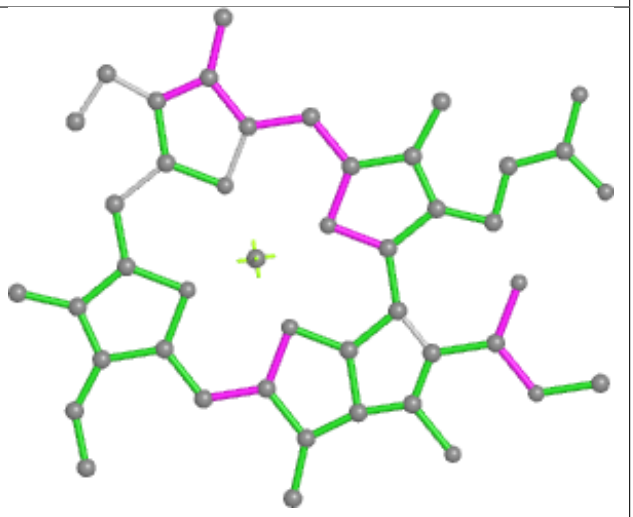


Rings

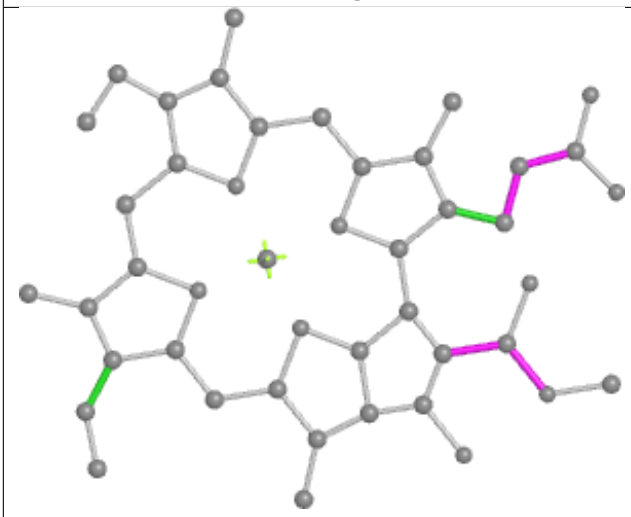
Ligand CLA A 809



Bond lengths



Bond angles



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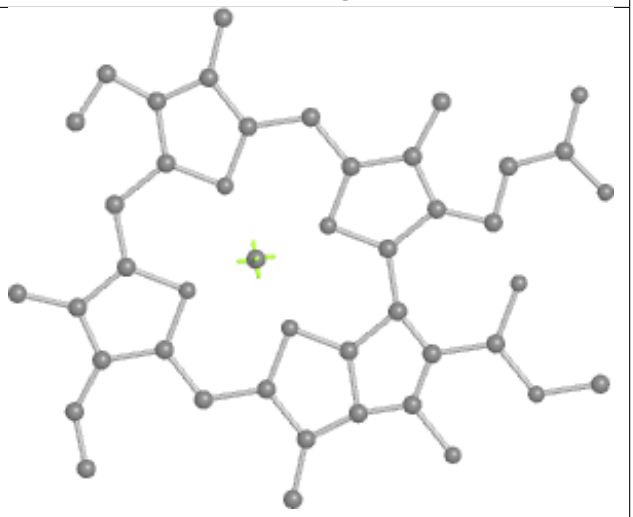
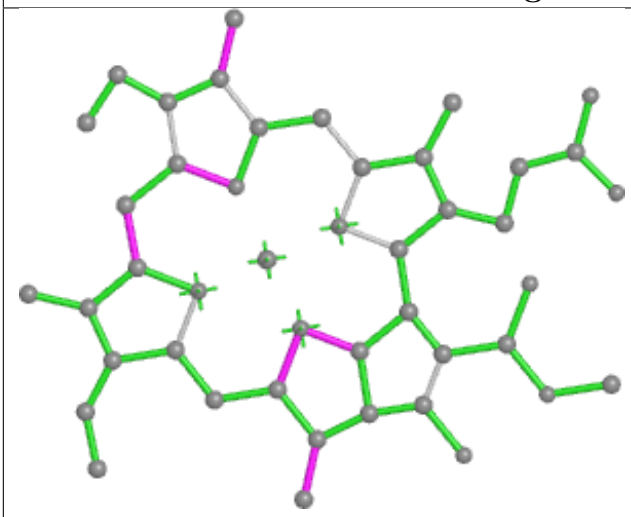
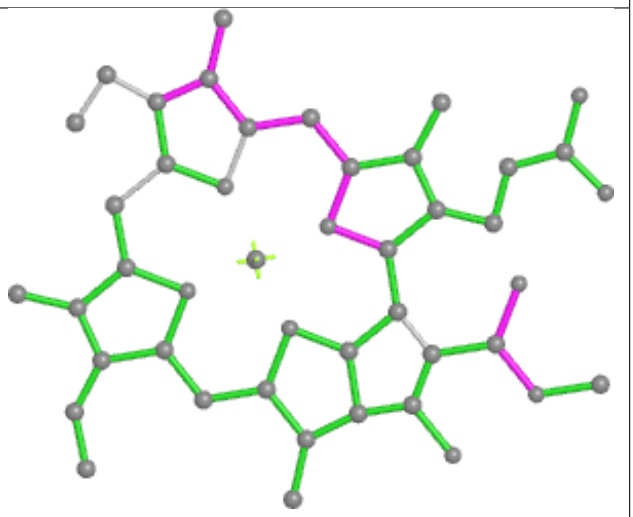


Rings

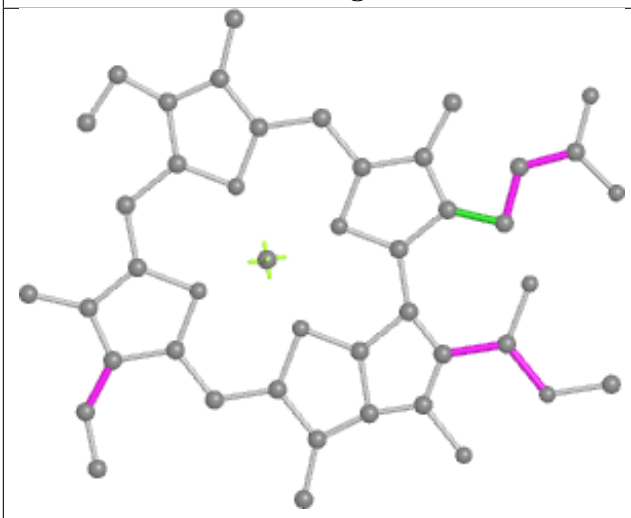
Ligand CLA B 804



Bond lengths



Bond angles



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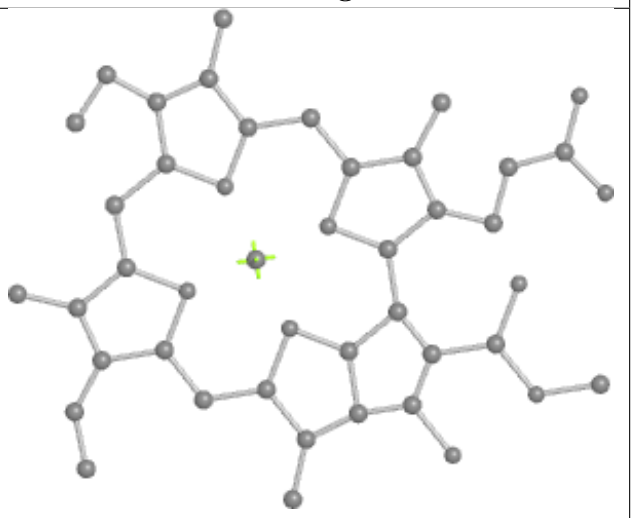
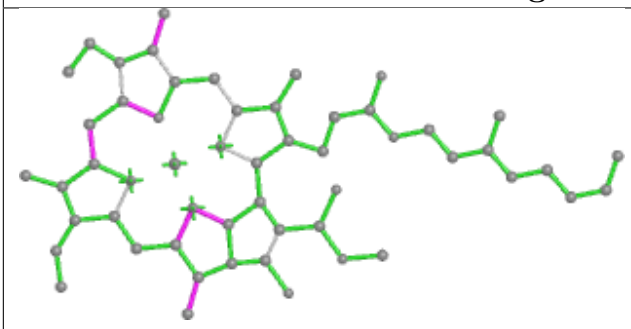


Rings

Ligand CLA g 821



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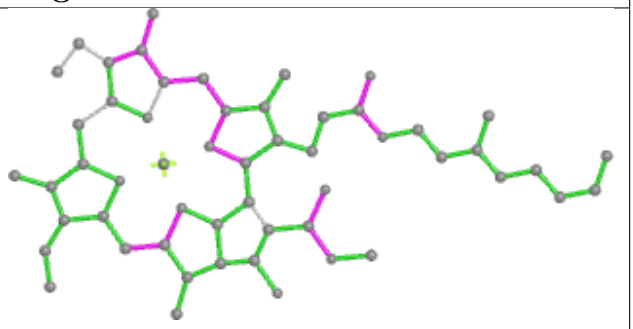
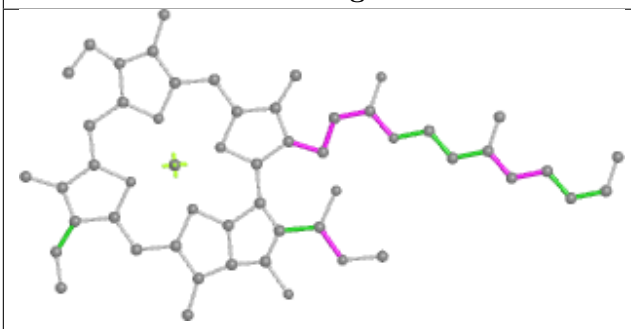


Bond angles



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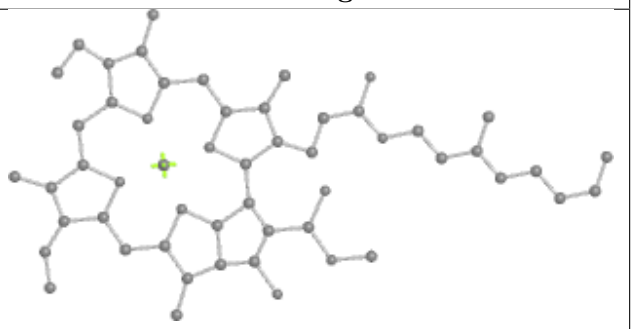
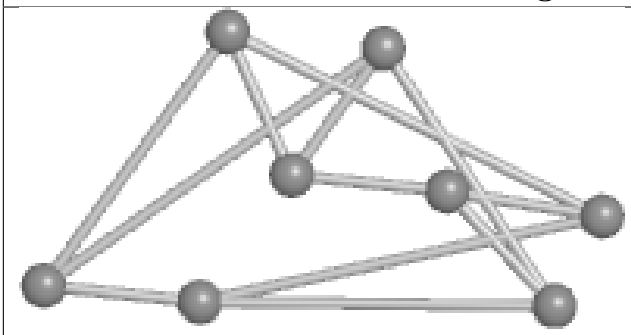
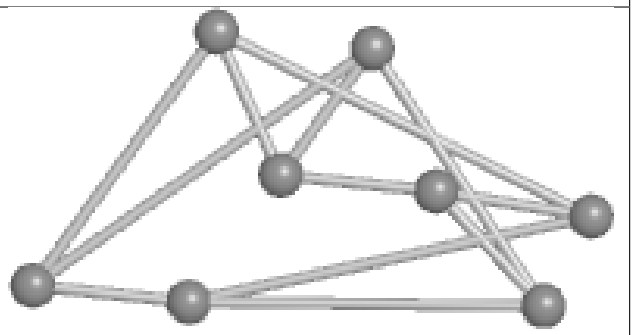


Rings

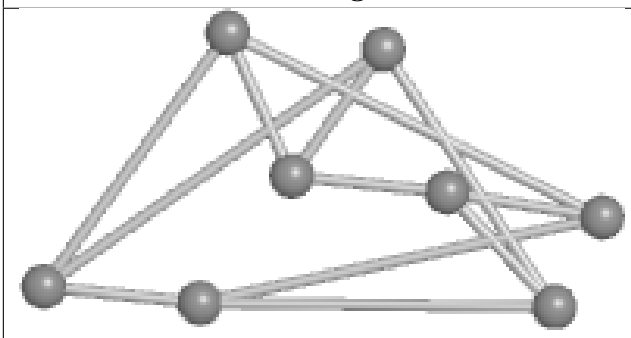
Ligand SF4 c 102



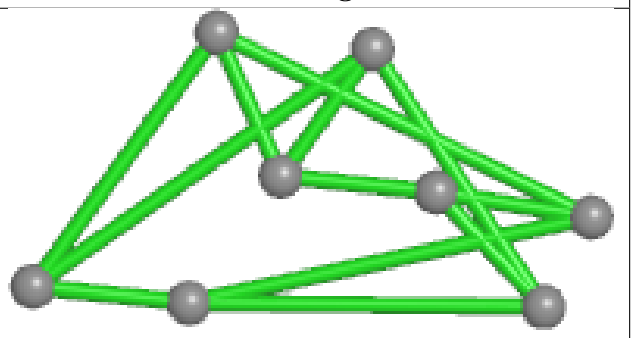
Bond lengths



Bond angles

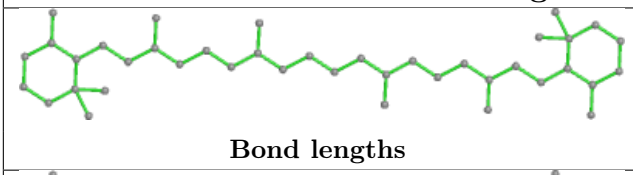


Torsions

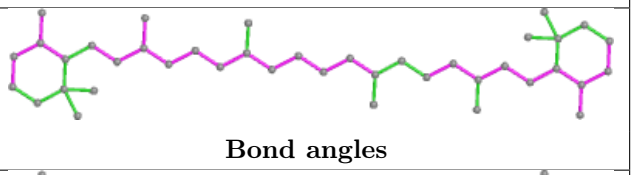


Rings

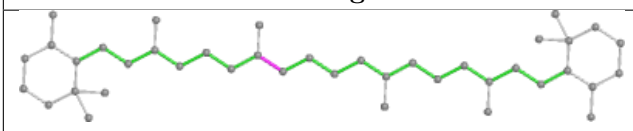
Ligand BCR f 203



Bond lengths



Bond angles



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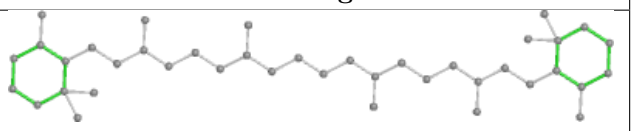
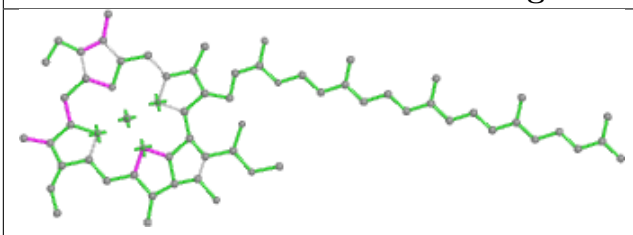


Rings

Ligand CLA n 804



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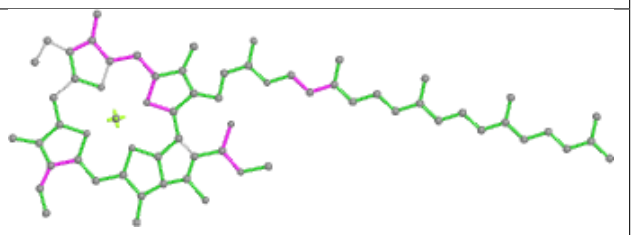
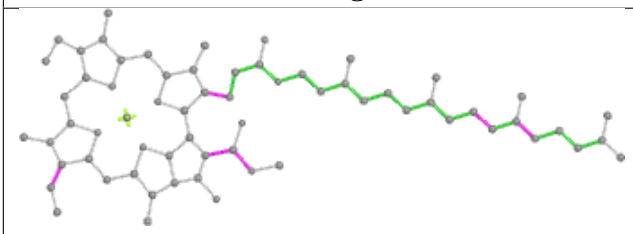
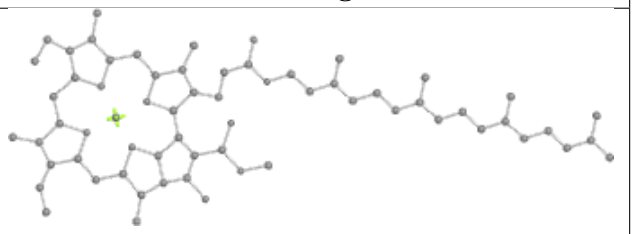


Bond angles

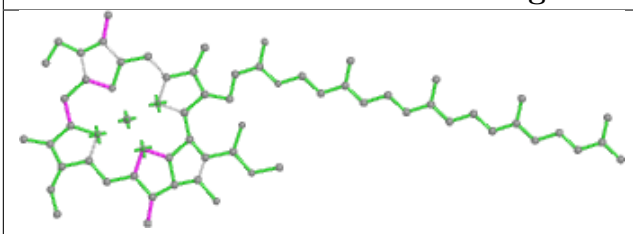


Torsions



Rings

Ligand CLA a 801



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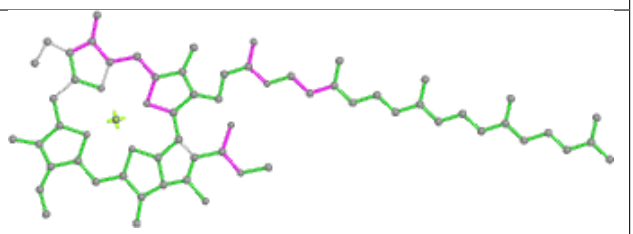
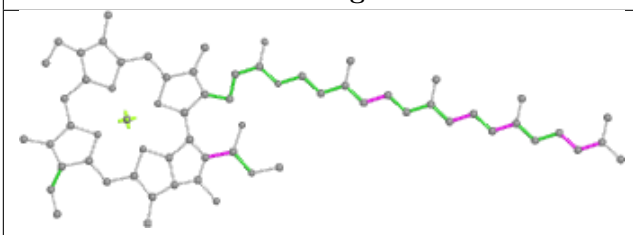


Bond angles



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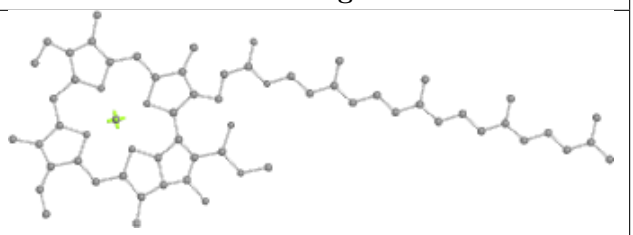
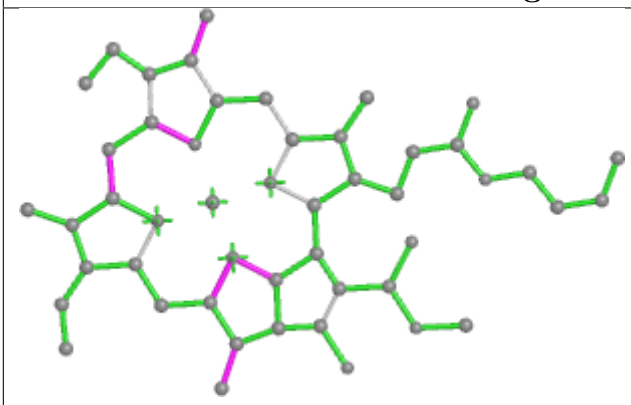
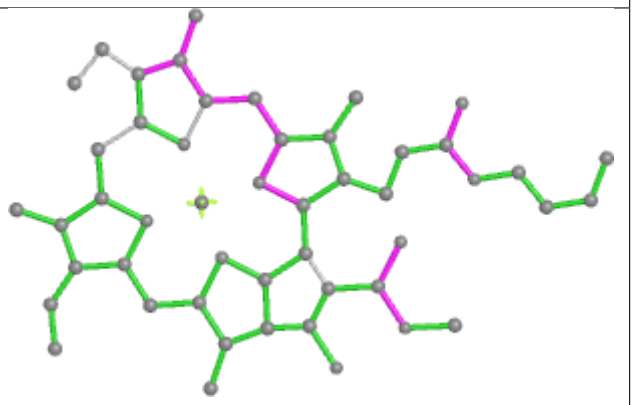


Rings

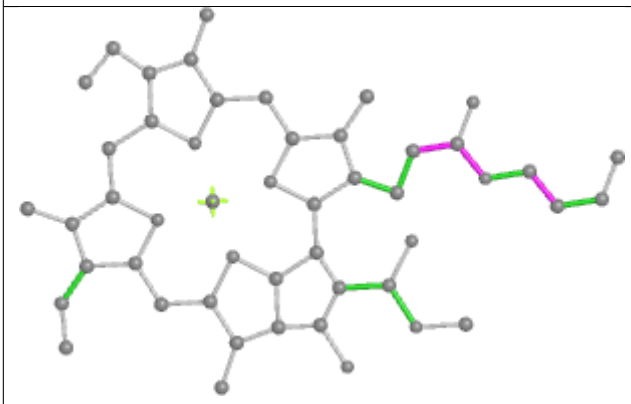
Ligand CLA A 857



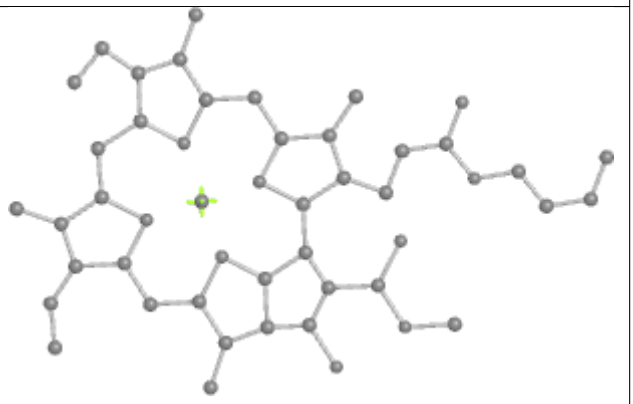
Bond lengths



Bond angles

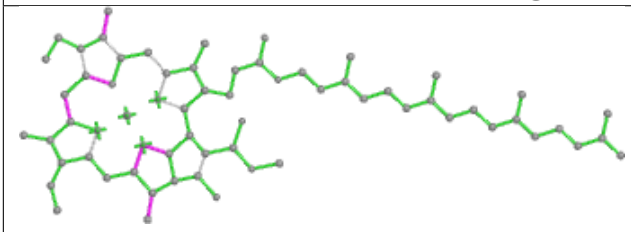


Torsions

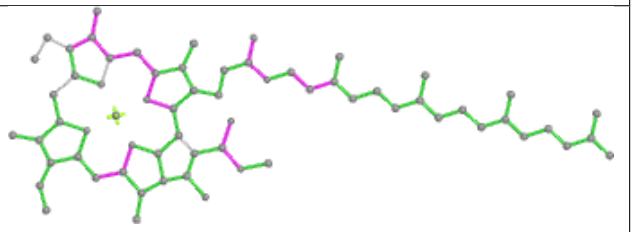


Rings

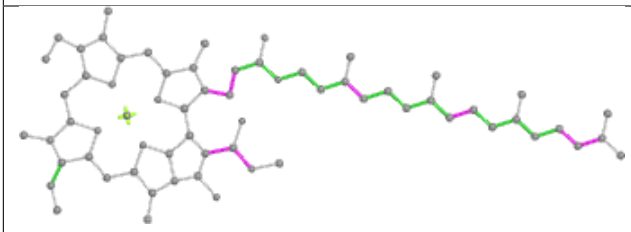
Ligand CLA b 828



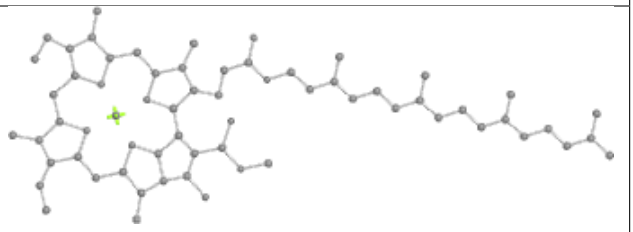
Bond lengths



Bond angles

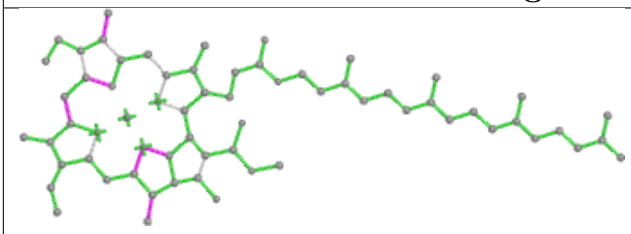


Torsions

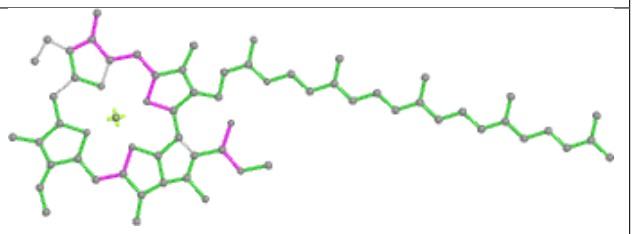


Rings

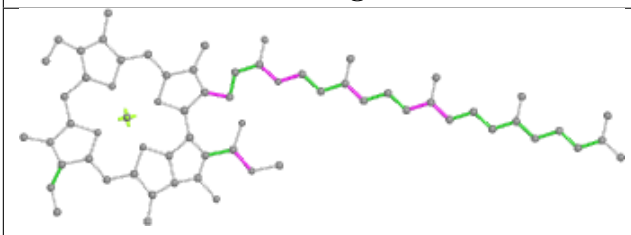
Ligand CLA B 819



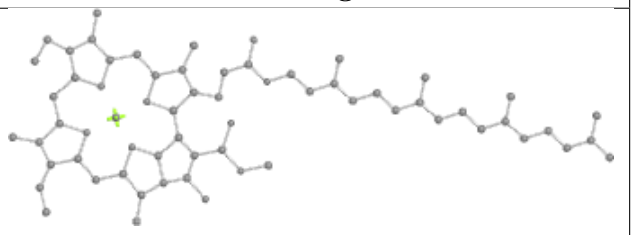
Bond lengths



Bond angles

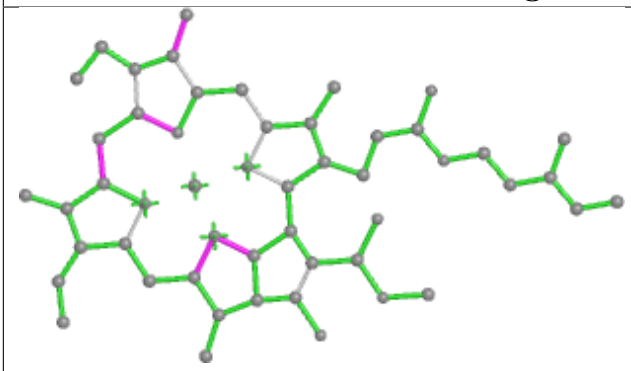


Torsions

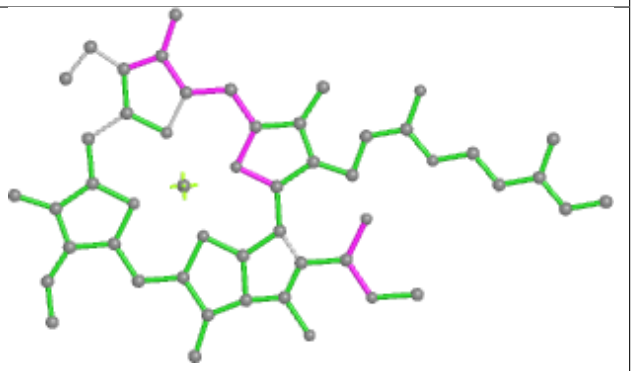


Rings

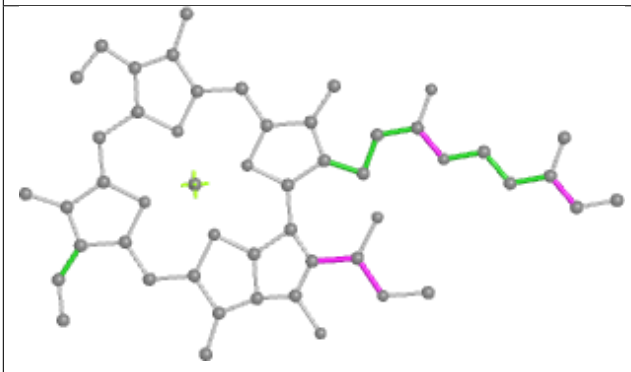
Ligand CLA A 836



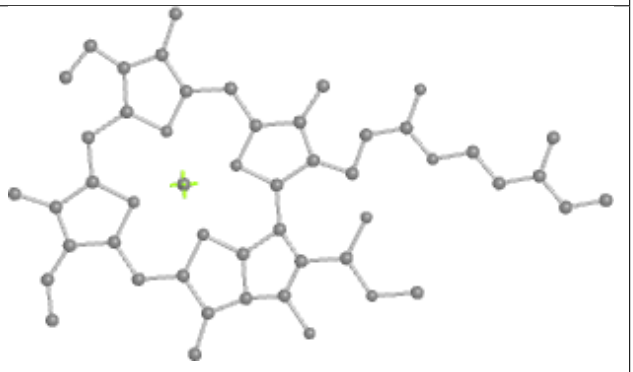
Bond lengths



Bond angles

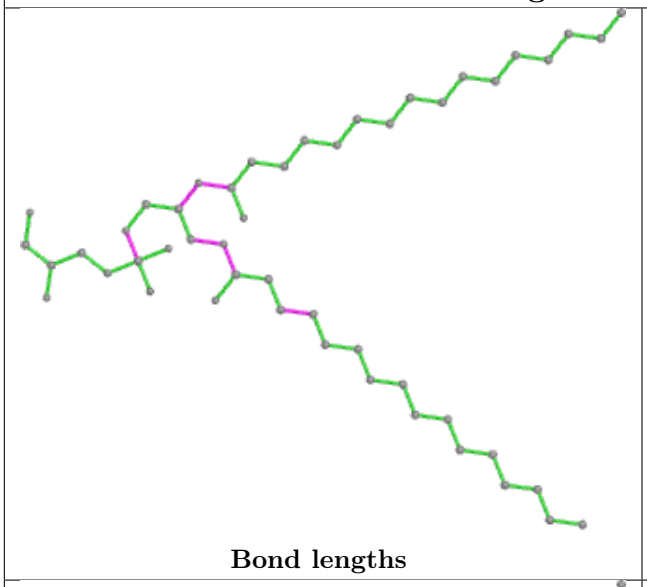


Torsions



Rings

Ligand LHG a 850



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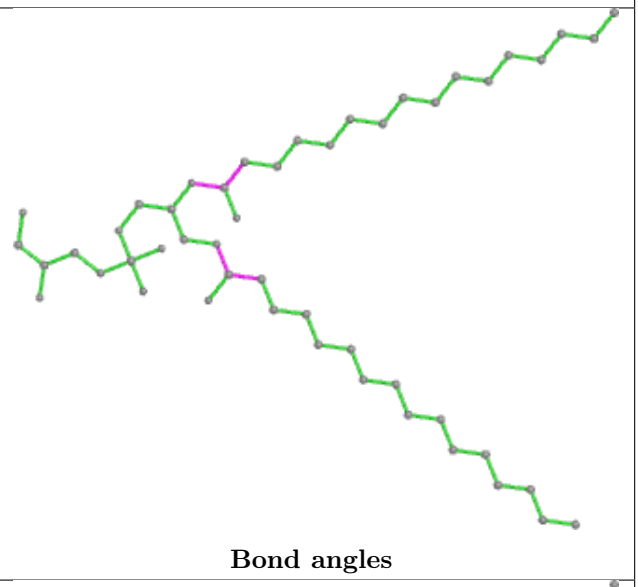
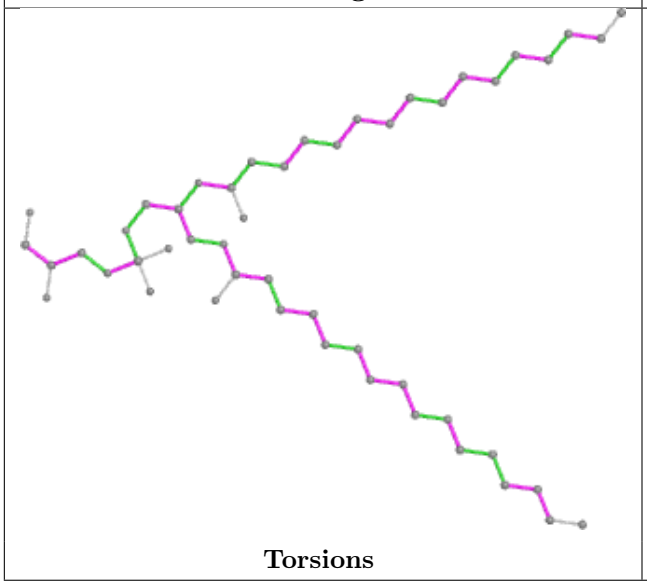
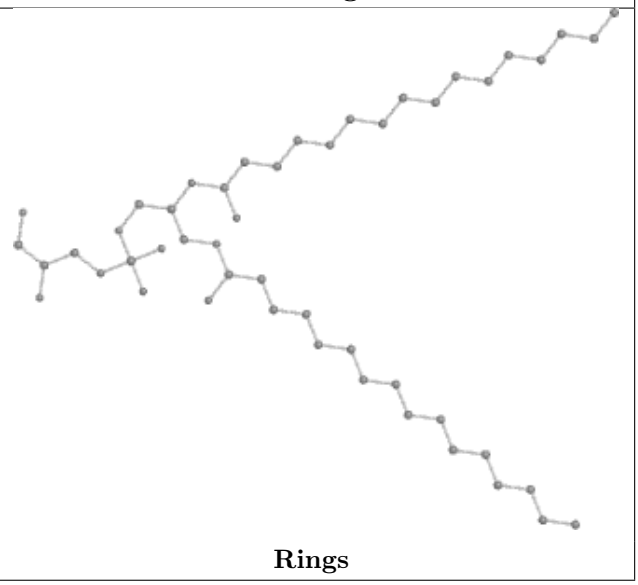


Bond angles

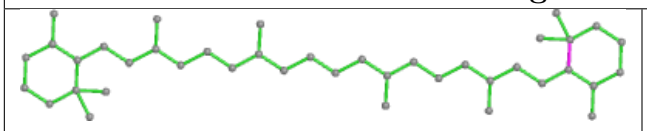


Torsions



Rings

Ligand BCR I 102



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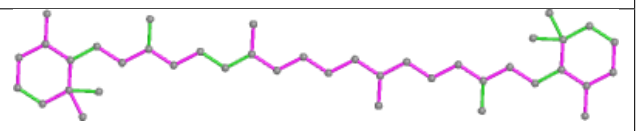
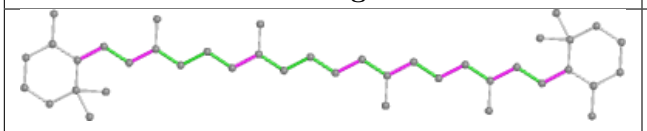


Bond angles



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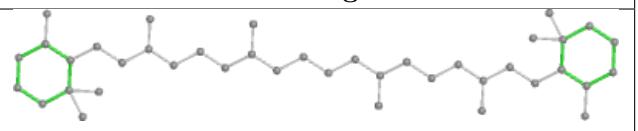
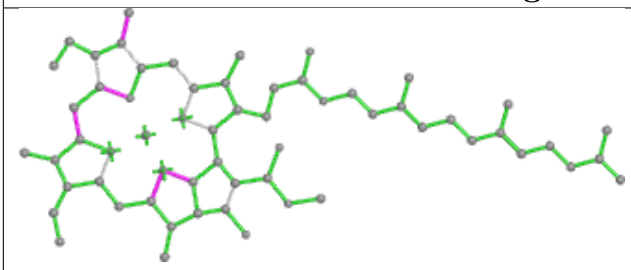


Rings

Ligand CLA N 833



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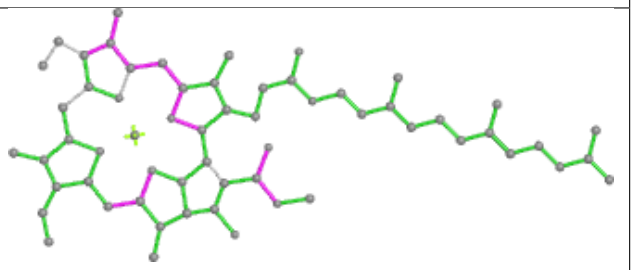
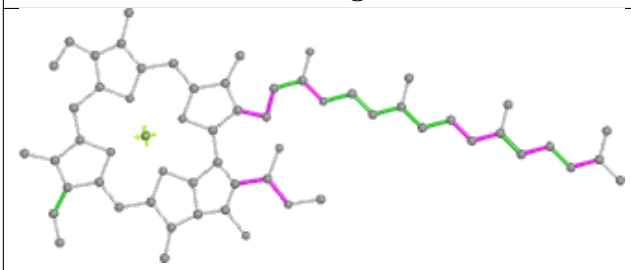


Bond angles



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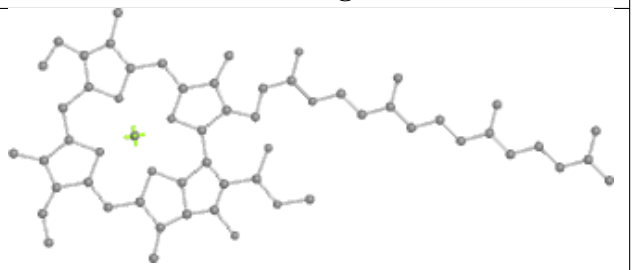
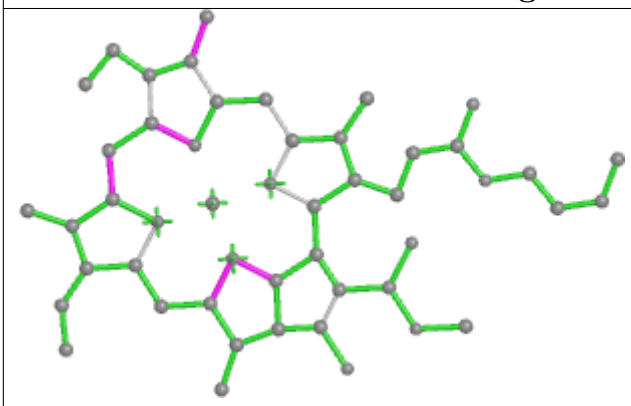


Rings

Ligand CLA x 1701



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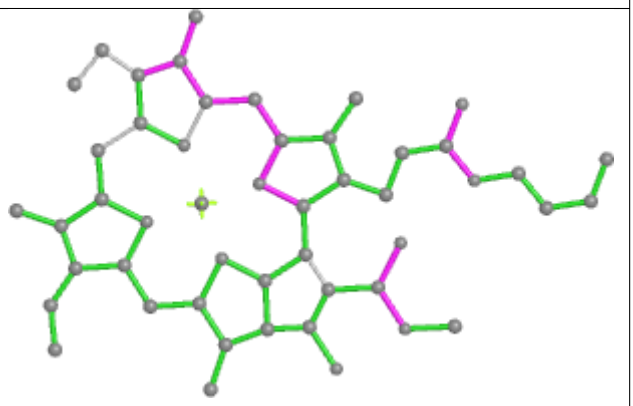
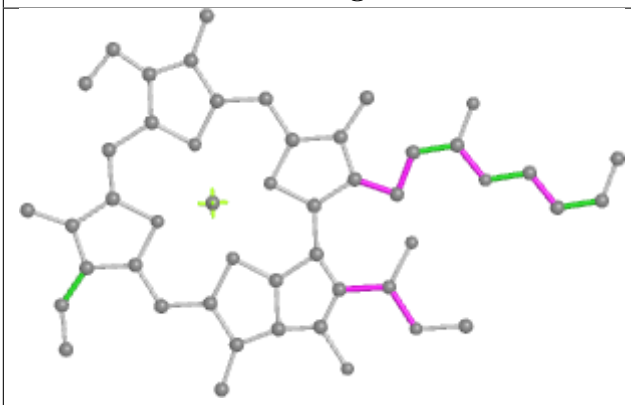


Bond angles



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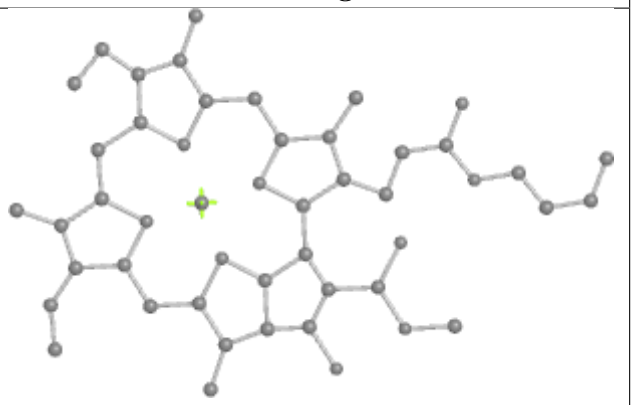
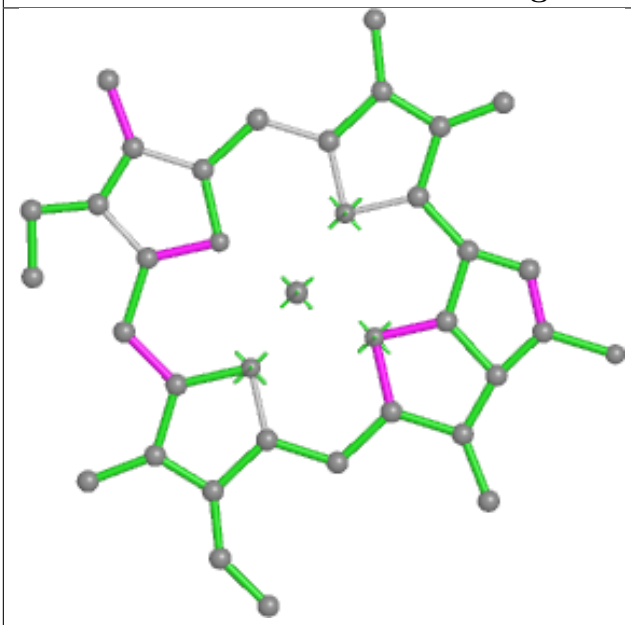
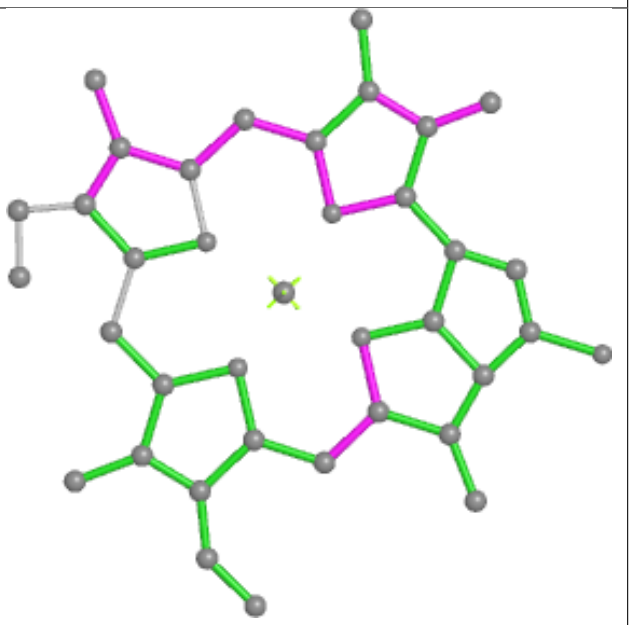


Rings

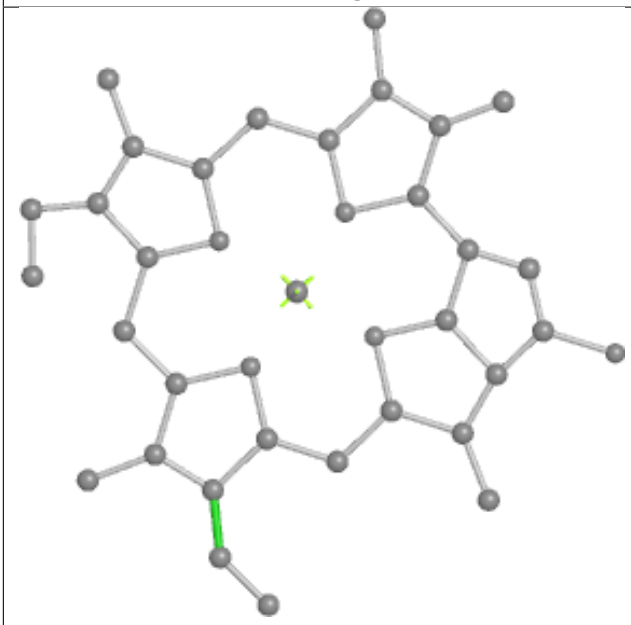
Ligand CLA t 102



Bond lengths



Bond angles



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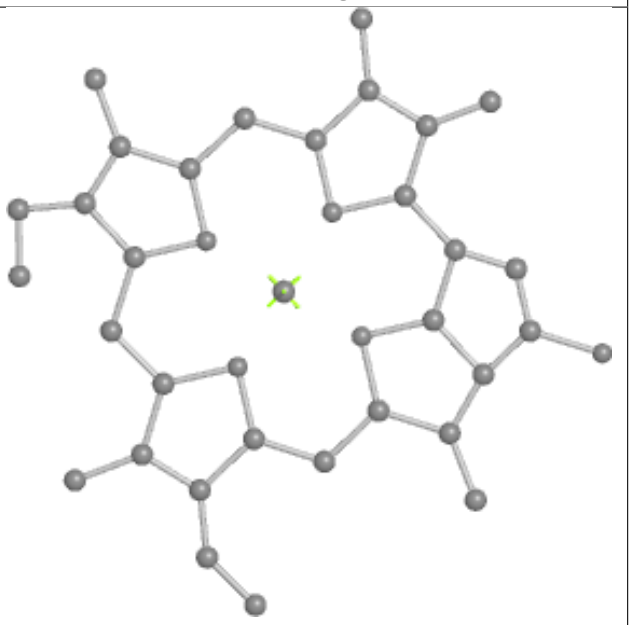
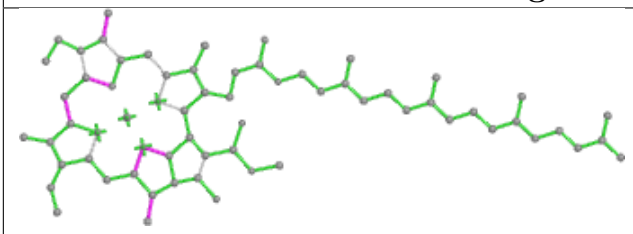


Rings

Ligand CLA g 837



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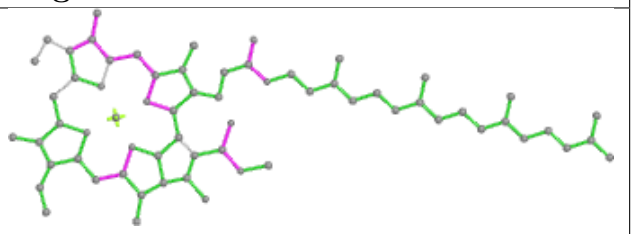
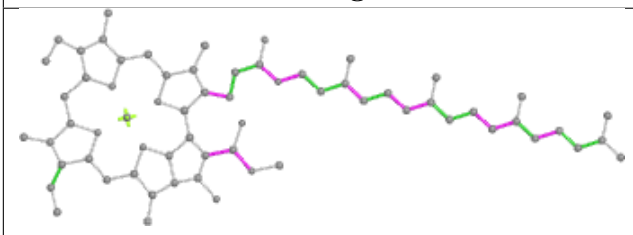


Bond angles



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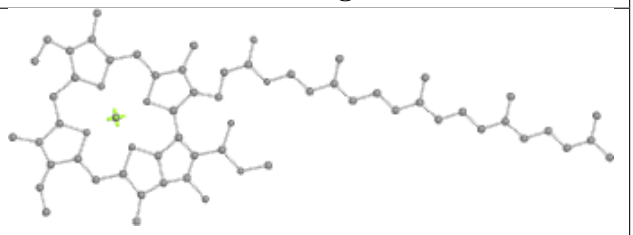
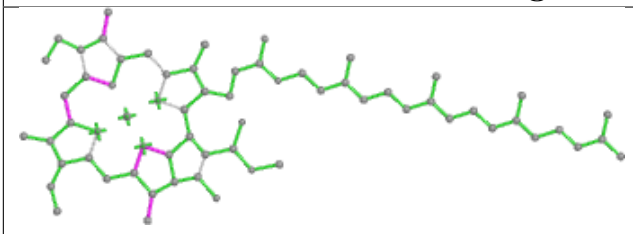
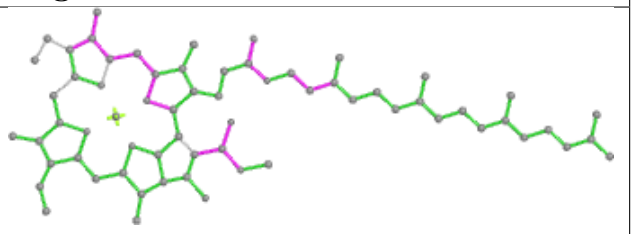


Rings

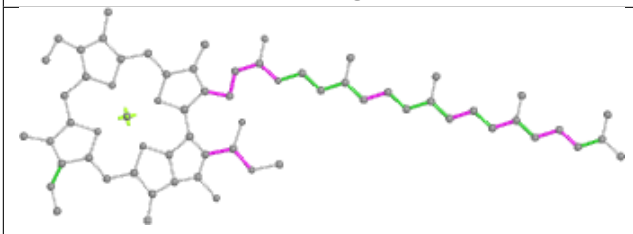
Ligand CLA g 806



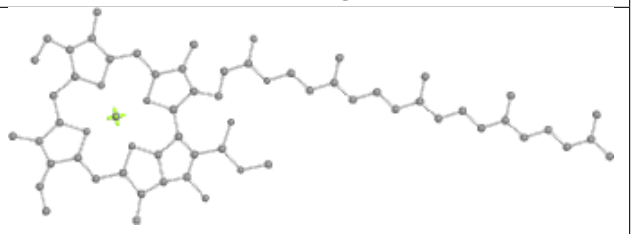
Bond lengths



Bond angles

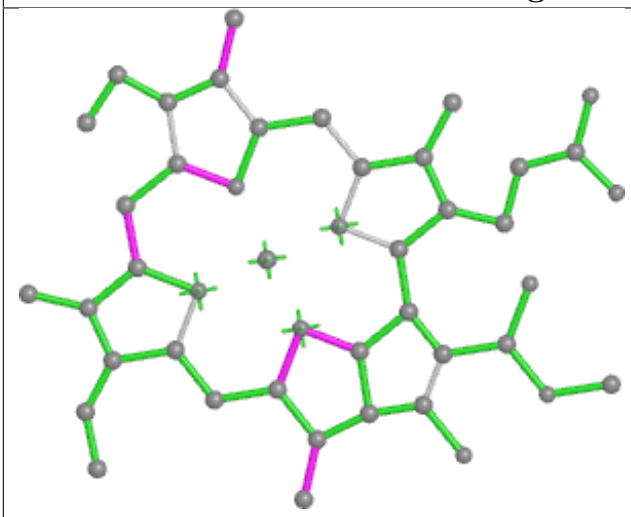


Torsions



Rings

Ligand CLA b 822



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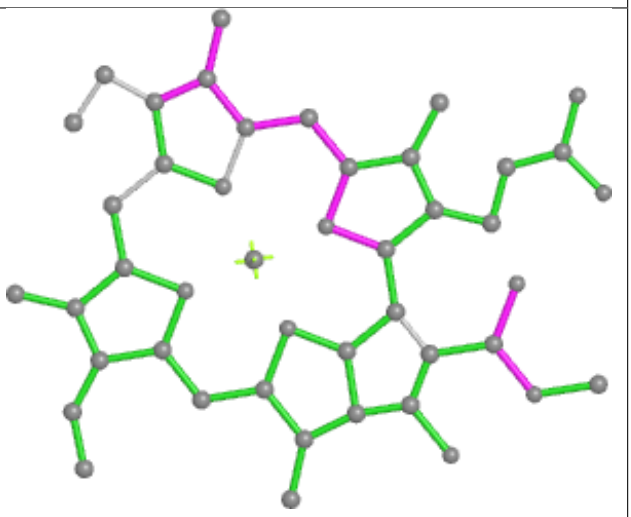
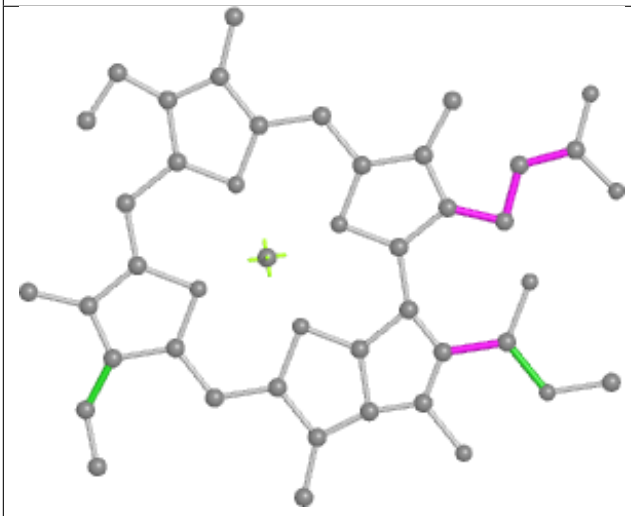
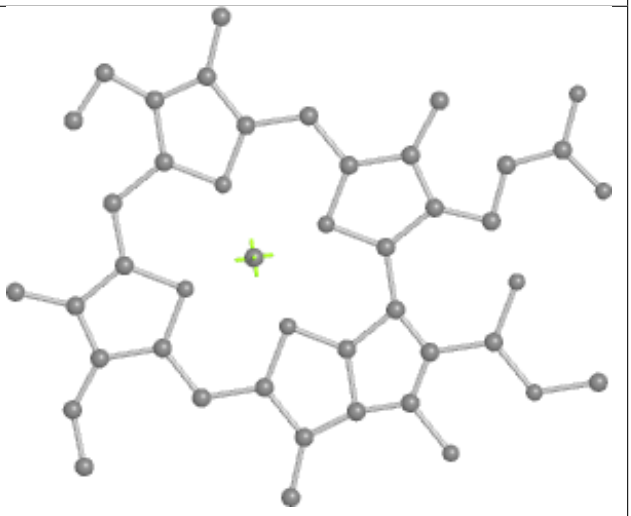


Bond angles

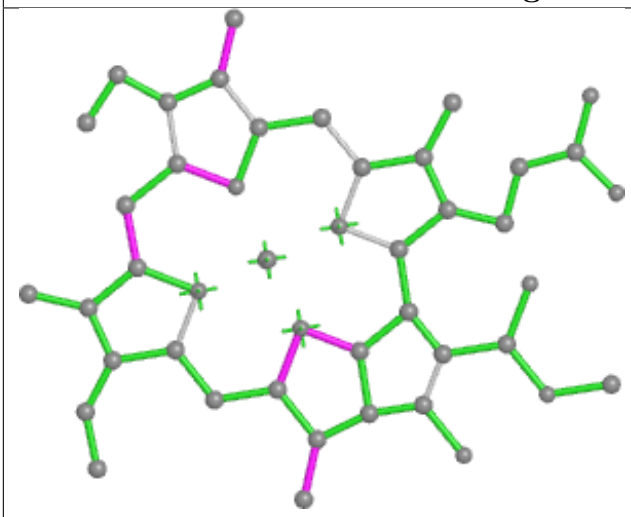


Torsions



Rings

Ligand CLA G 814



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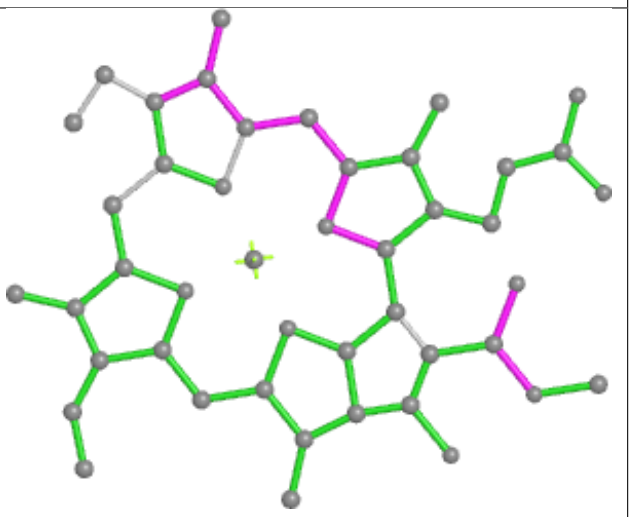
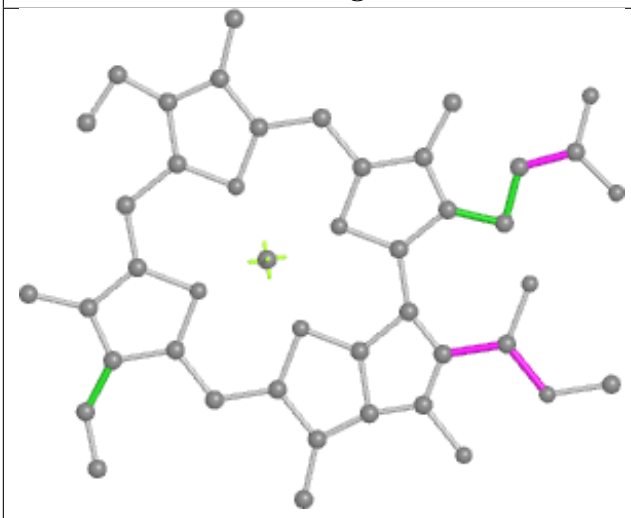
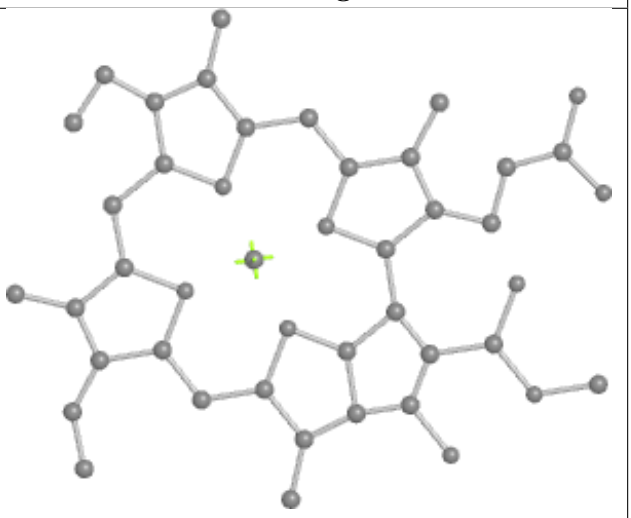


Bond angles

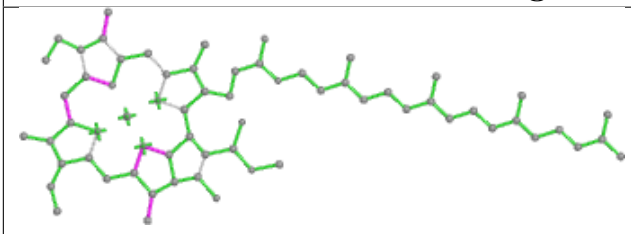


Torsions

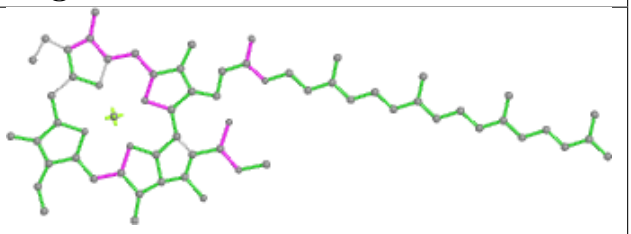


Rings

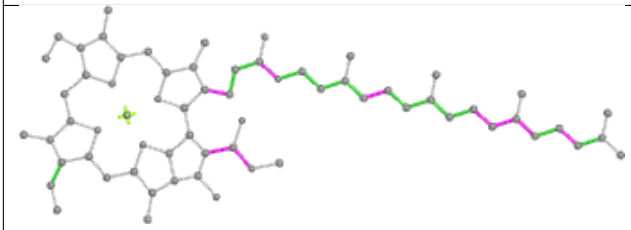
Ligand CLA g 804



Bond lengths



Bond angles



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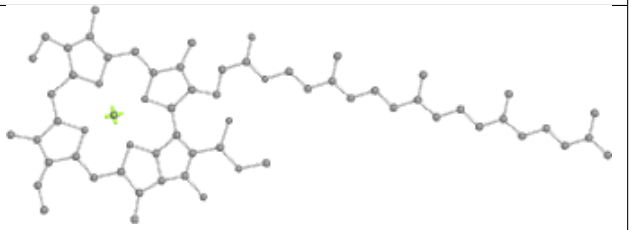
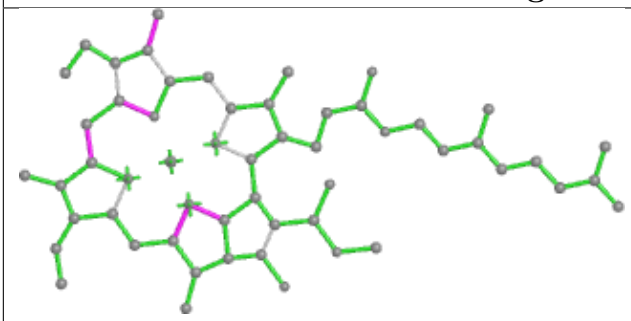


Rings

Ligand CLA b 853



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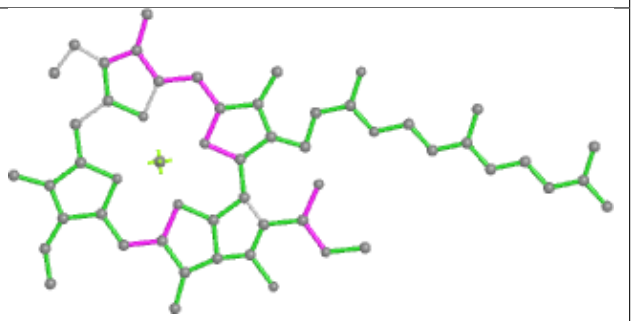
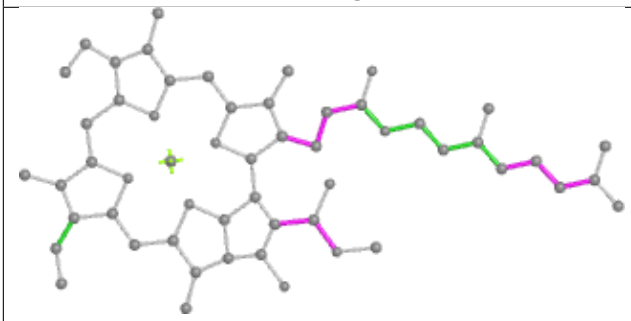
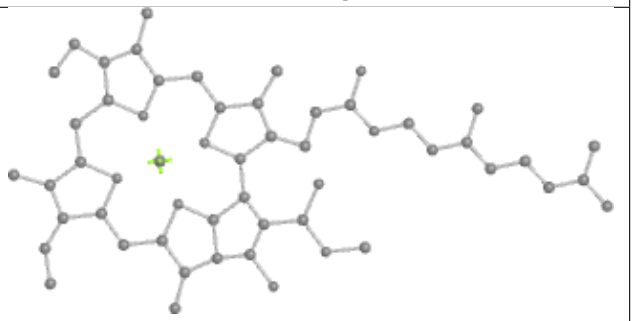


Bond angles

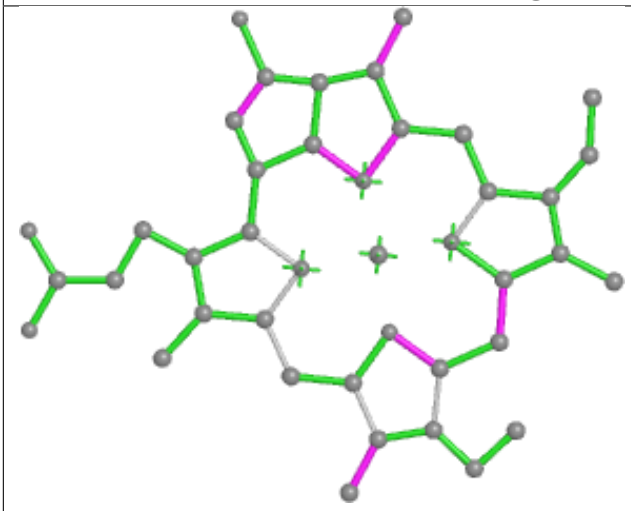


Torsions

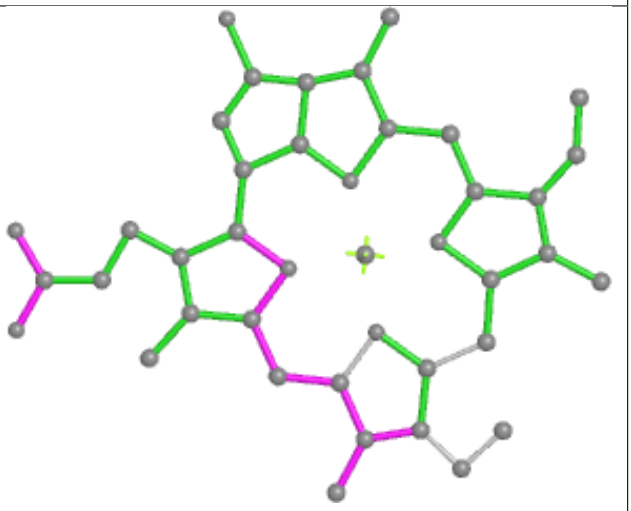


Rings

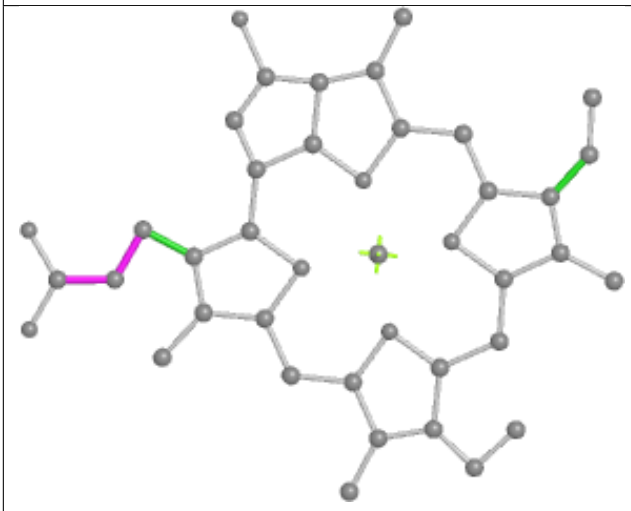
Ligand CLA u 101



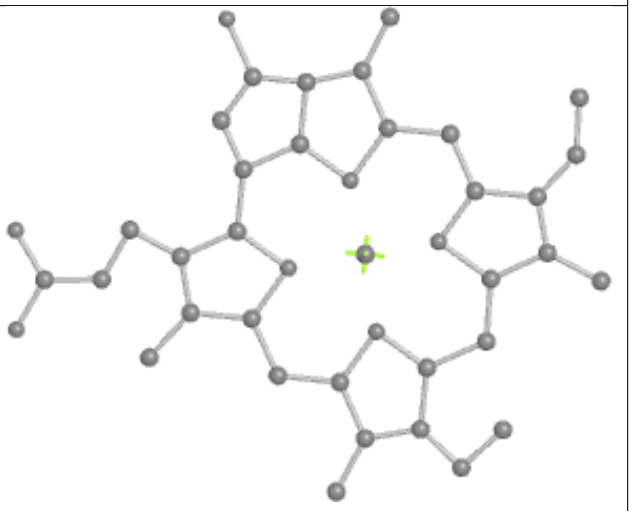
Bond lengths



Bond angles

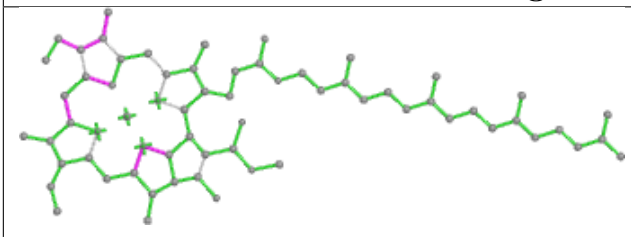


Torsions

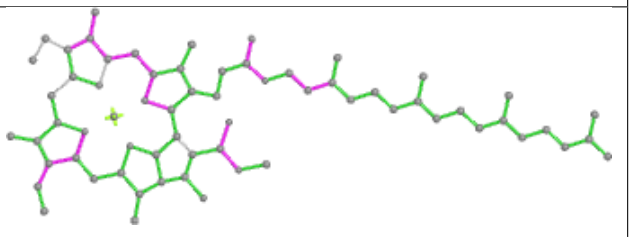


Rings

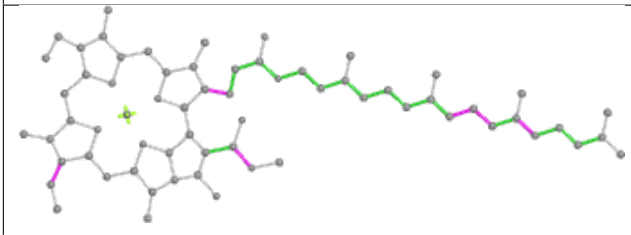
Ligand CLA b 805



Bond lengths



Bond angles



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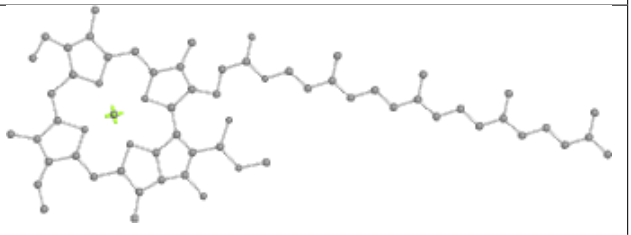
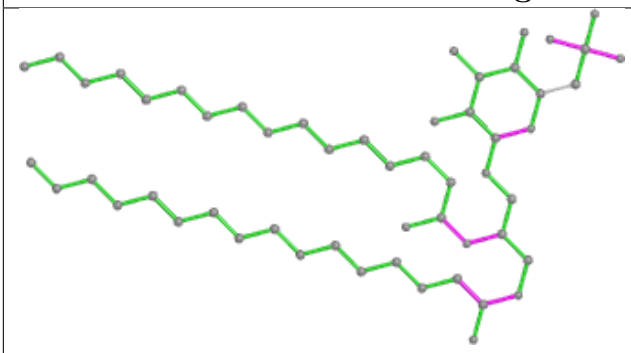
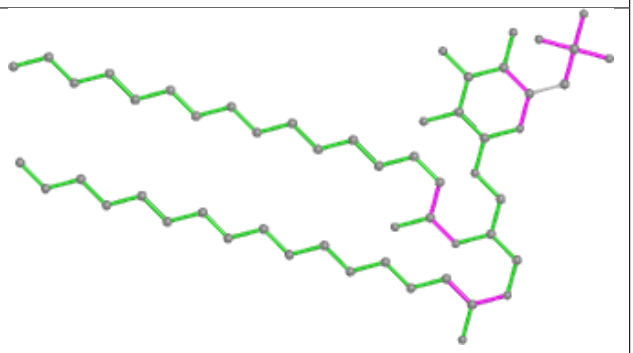


Rings

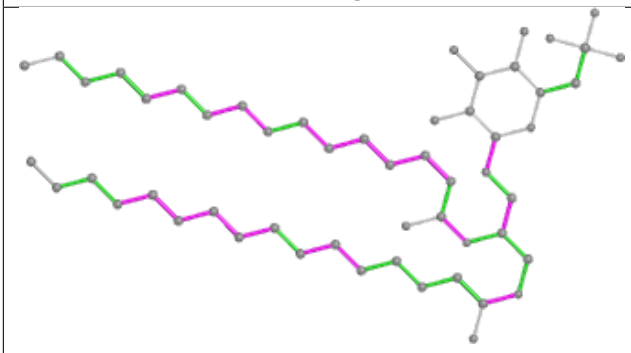
Ligand SQD H 1702



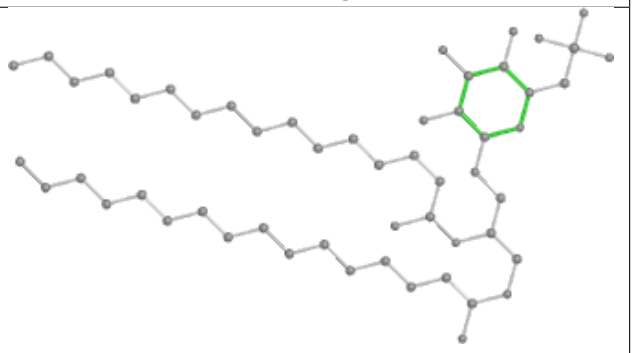
Bond lengths



Bond angles

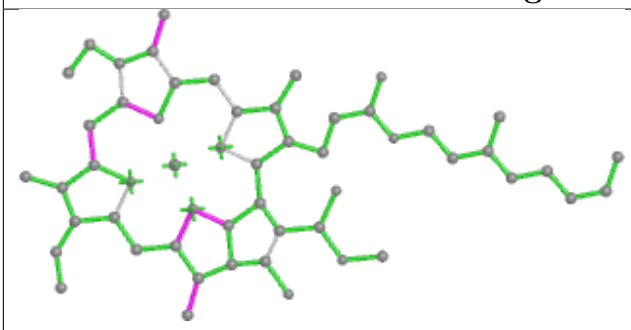


Torsions

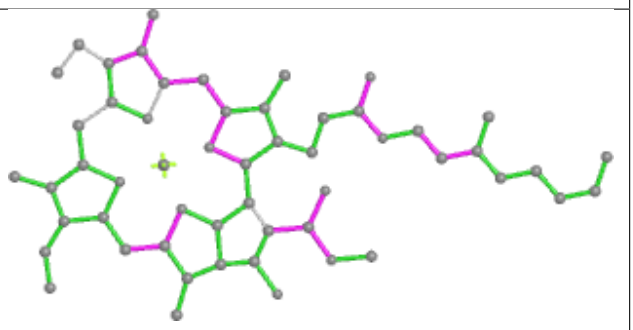


Rings

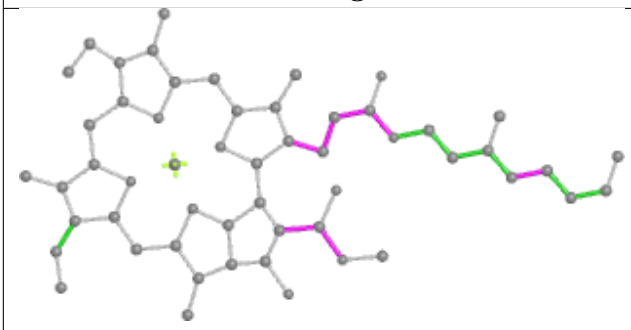
Ligand CLA B 834



Bond lengths



Bond angles



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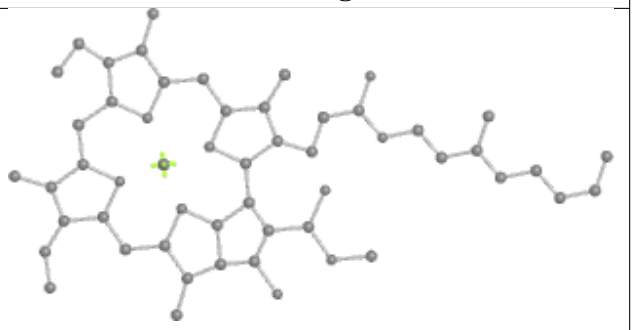
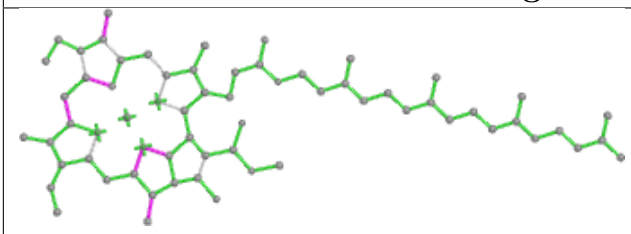
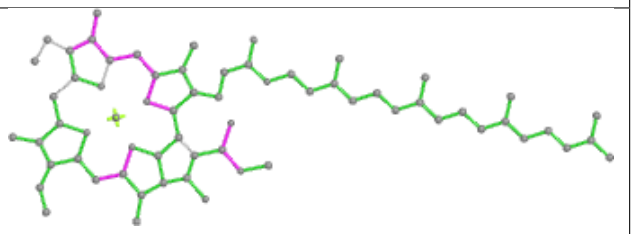
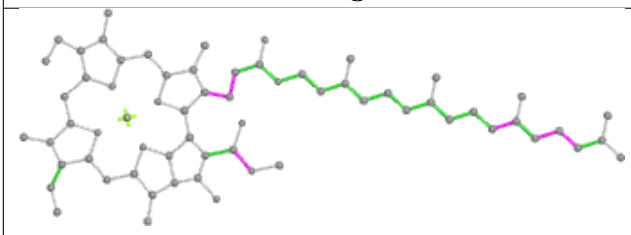
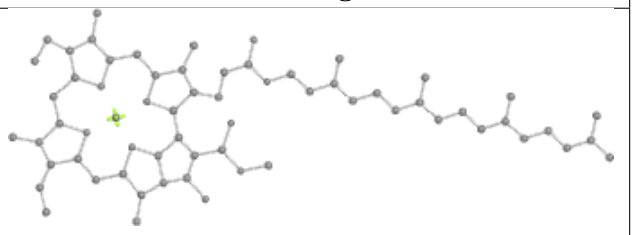
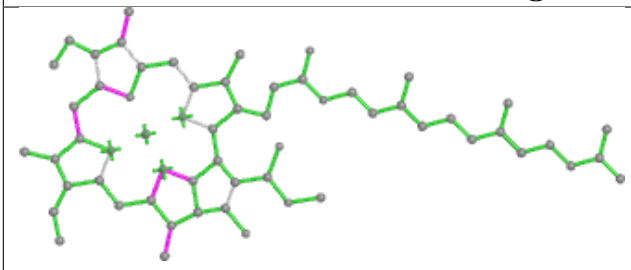
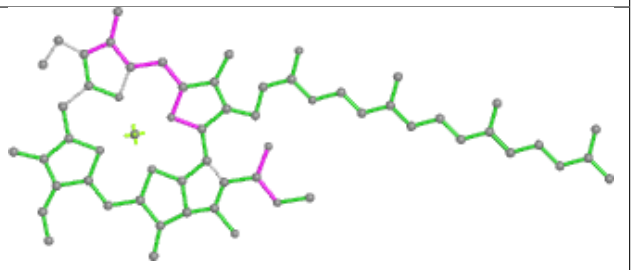
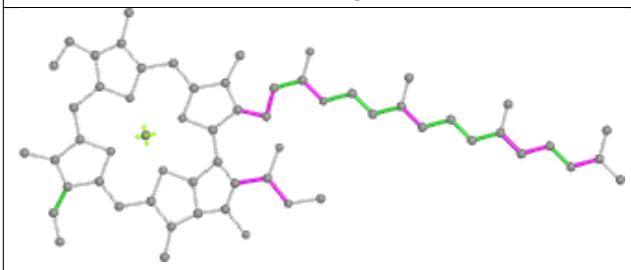
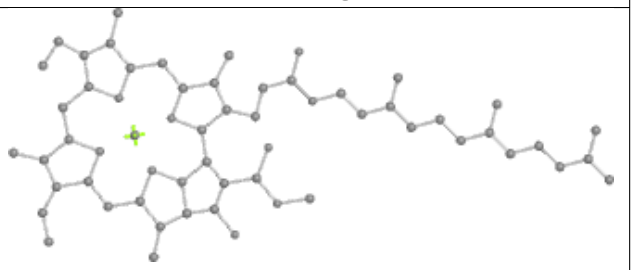
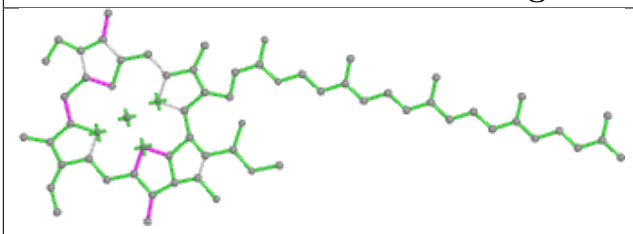


Rings

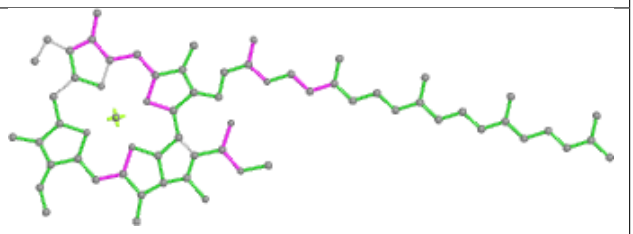
Ligand CLA G 801	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA n 810	
 Bond lengths	 Bond angles
 Torsions	 Rings

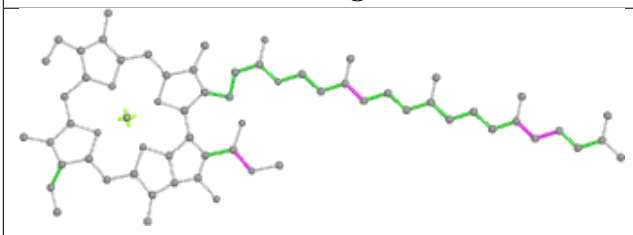
Ligand CLA a 831



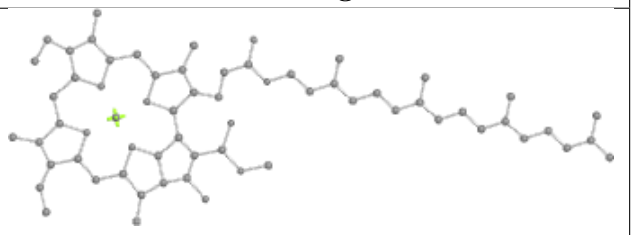
Bond lengths



Bond angles

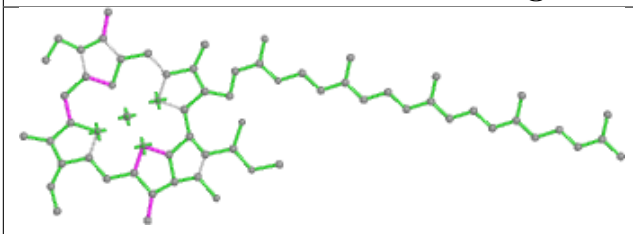


Torsions



Rings

Ligand CLA b 810



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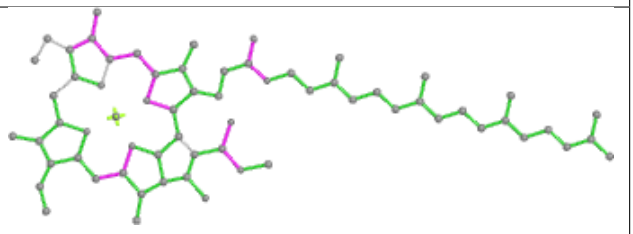
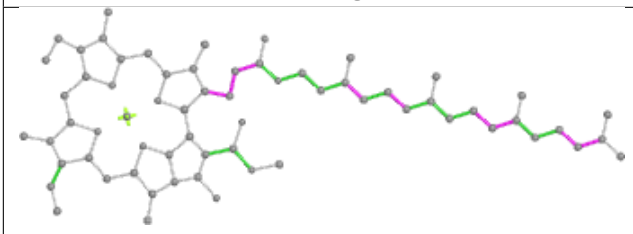


Bond angles



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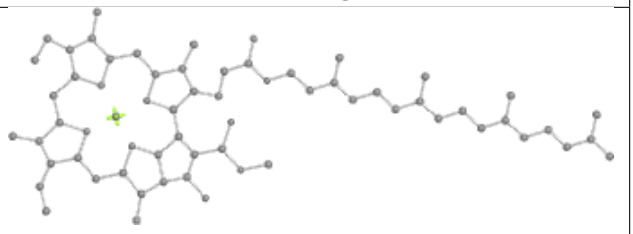
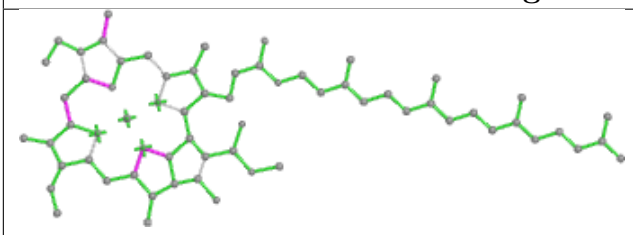
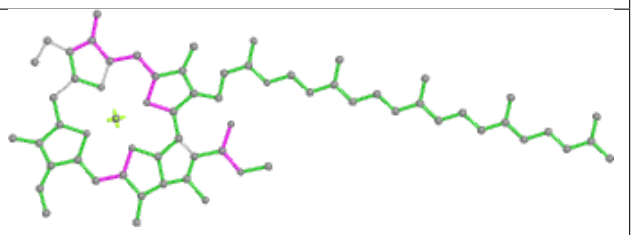


Rings

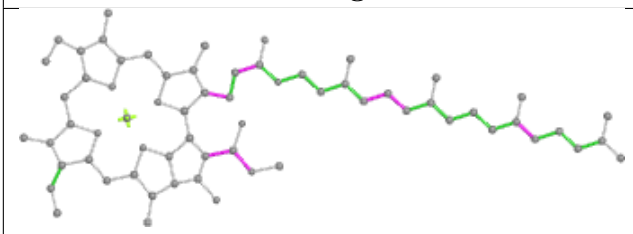
Ligand CLA G 833



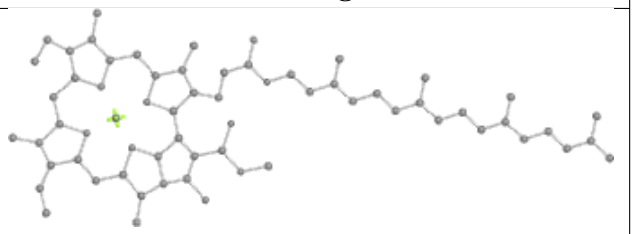
Bond lengths



Bond angles

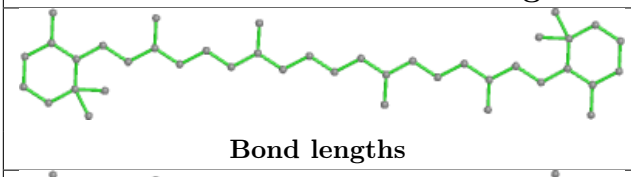


Torsions

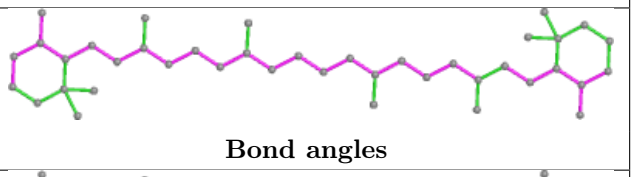


Rings

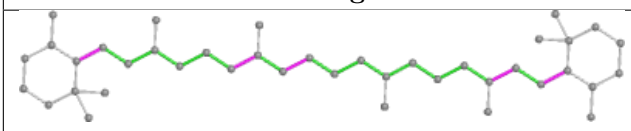
Ligand BCR T 104



Bond lengths



Bond angles



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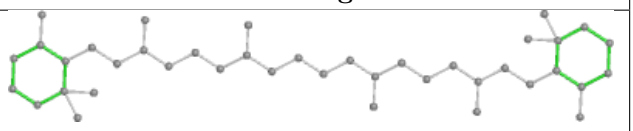
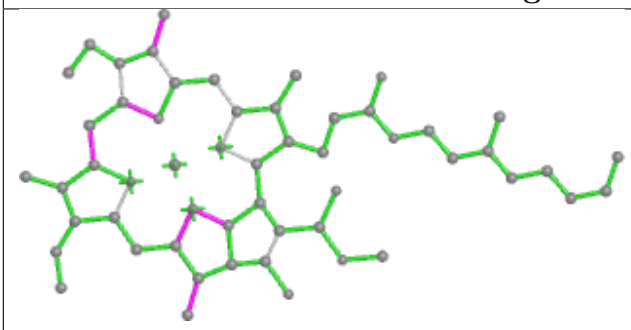


Rings

Ligand CLA N 835



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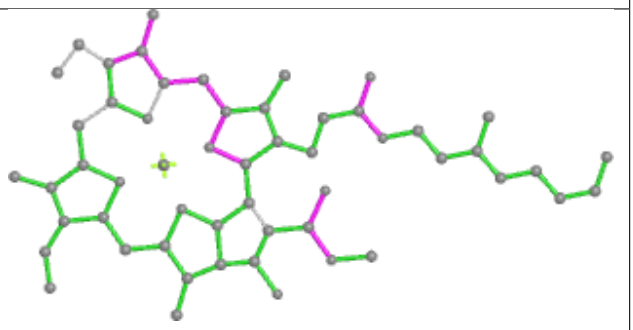
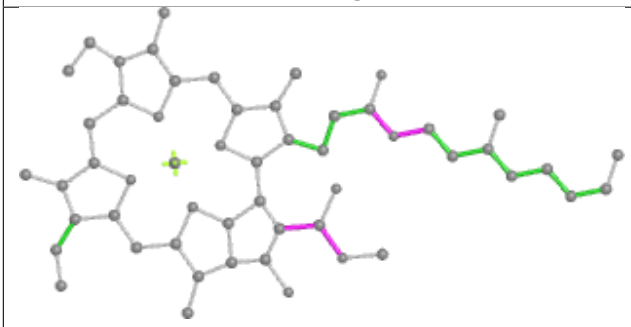
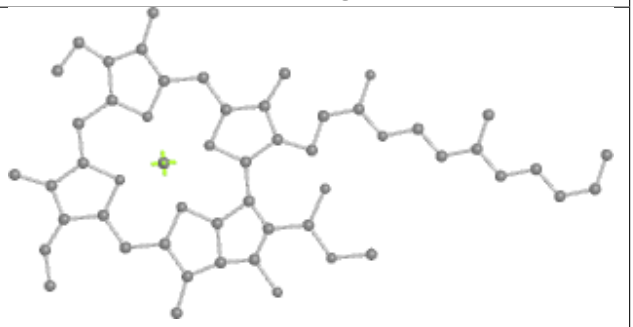


Bond angles

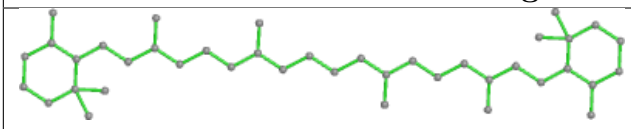


Torsions

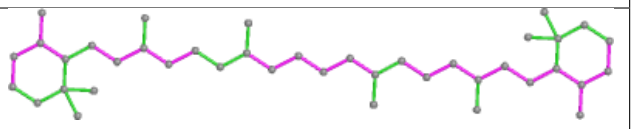


Rings

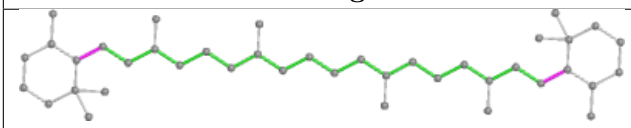
Ligand BCR G 846



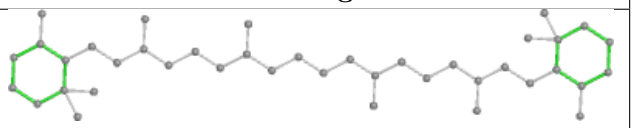
Bond lengths



Bond angles

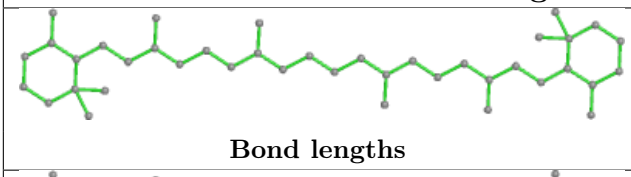


Torsions

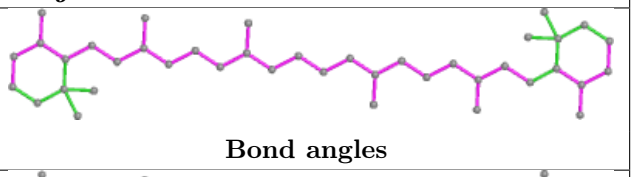


Rings

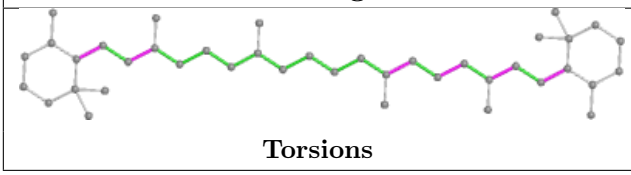
Ligand BCR j 104



Bond lengths



Bond angles



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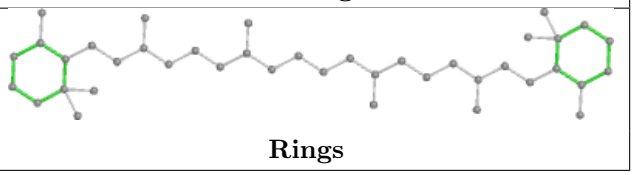
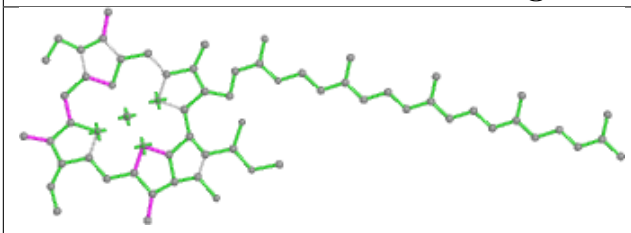
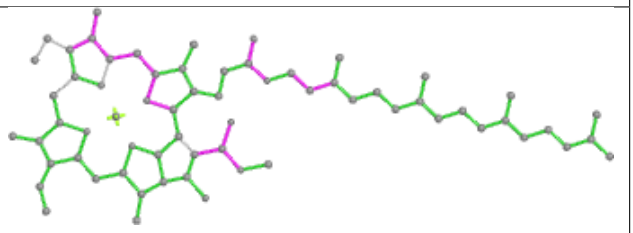


Rings

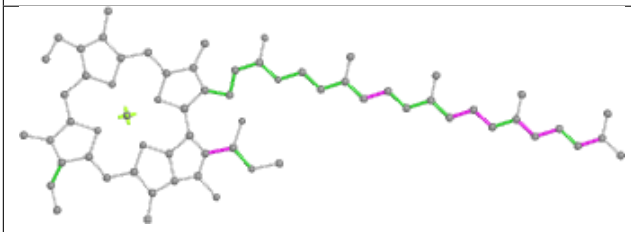
Ligand CLA b 809



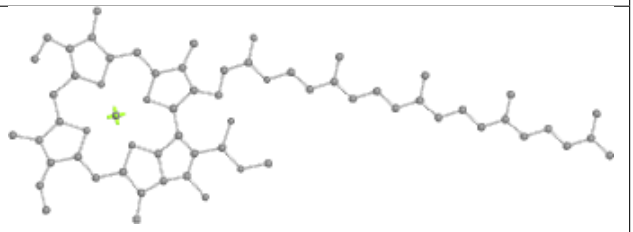
Bond lengths



Bond angles

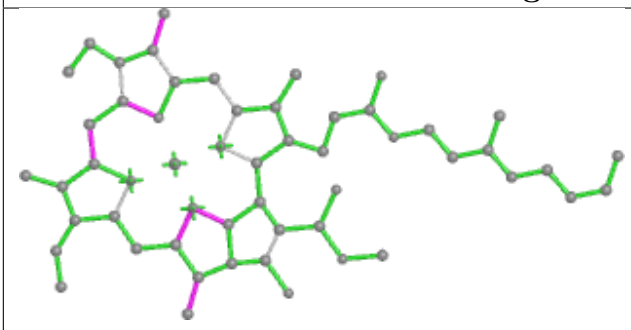


Torsions

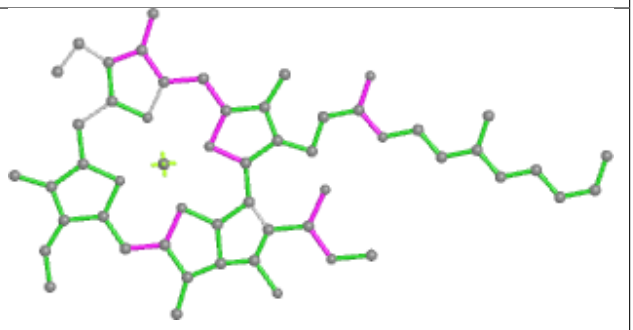


Rings

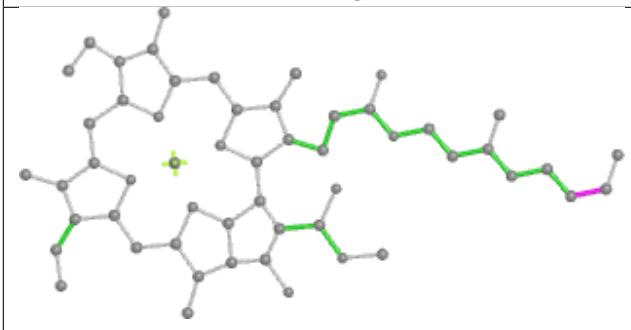
Ligand CLA G 834



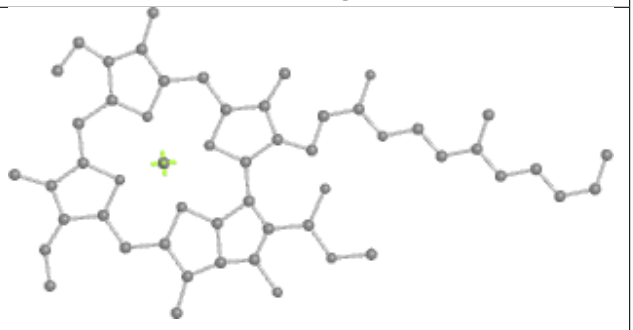
Bond lengths



Bond angles

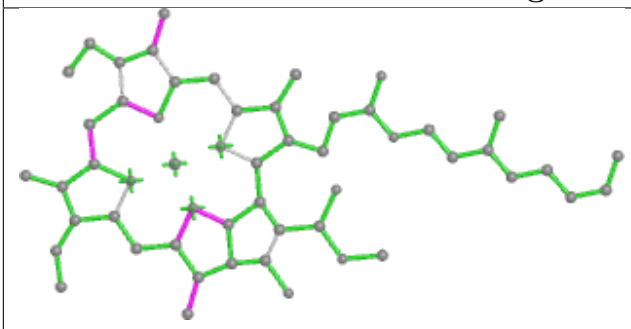


Torsions

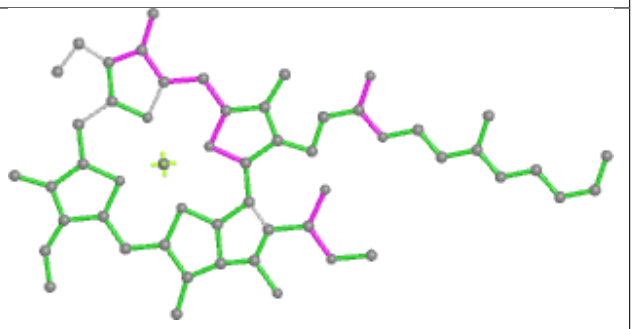


Rings

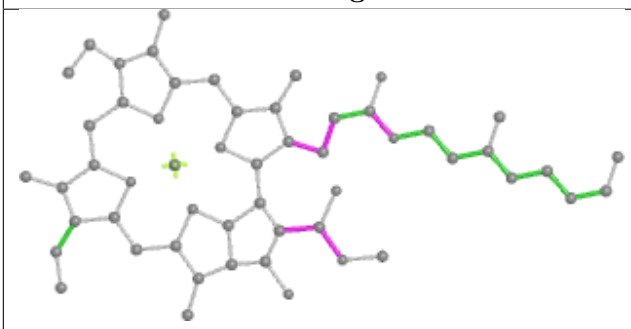
Ligand CLA b 813



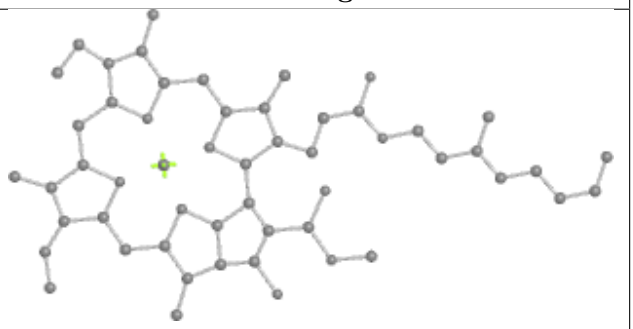
Bond lengths



Bond angles

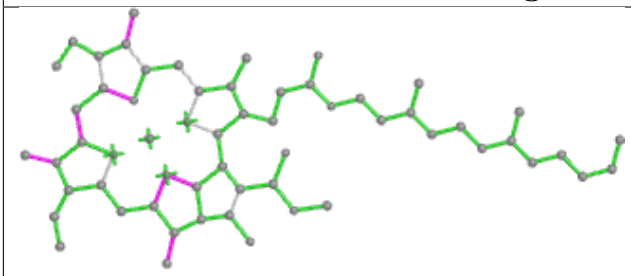


Torsions

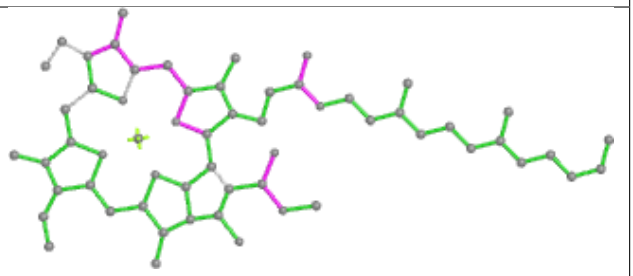


Rings

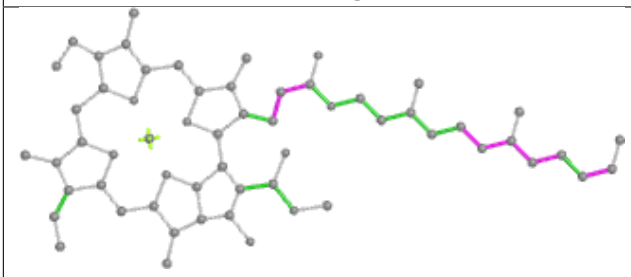
Ligand CLA G 816



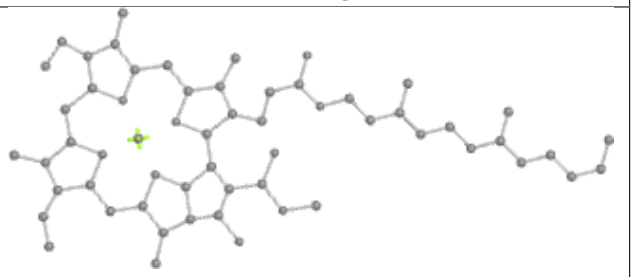
Bond lengths



Bond angles

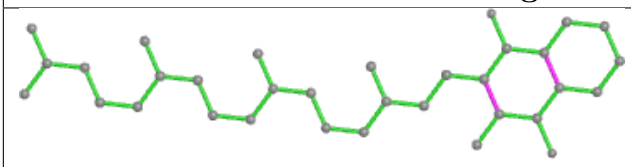


Torsions

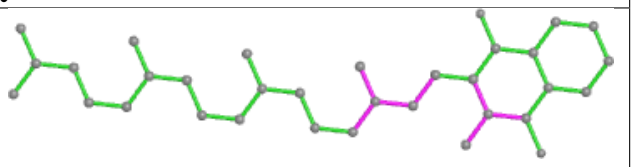


Rings

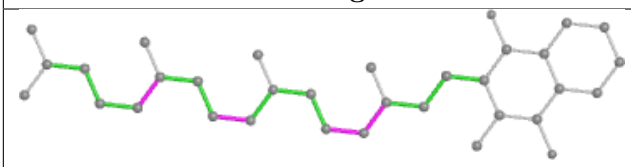
Ligand PQN G 841



Bond lengths



Bond angles



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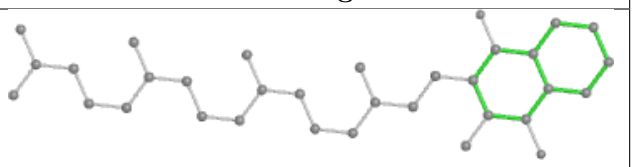
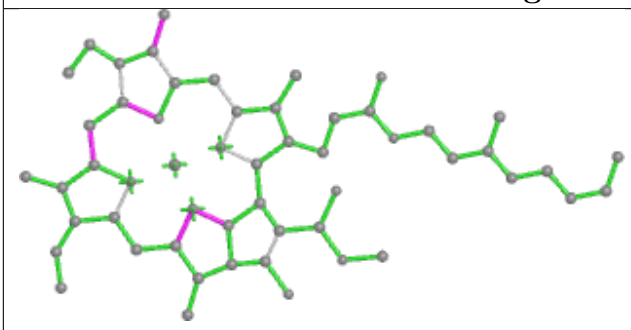


Rings

Ligand CLA A 813



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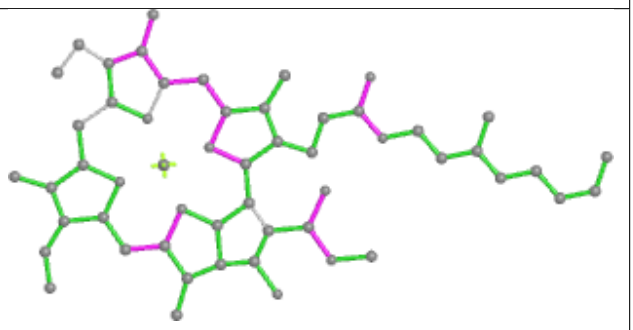
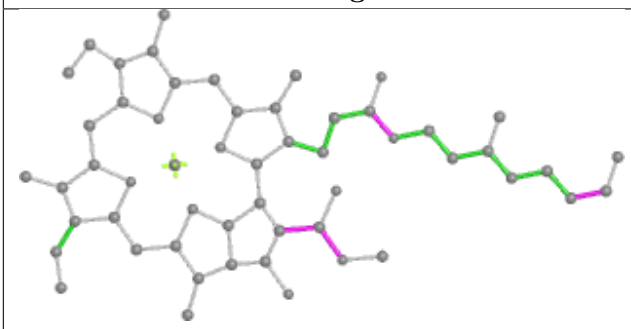


Bond angles



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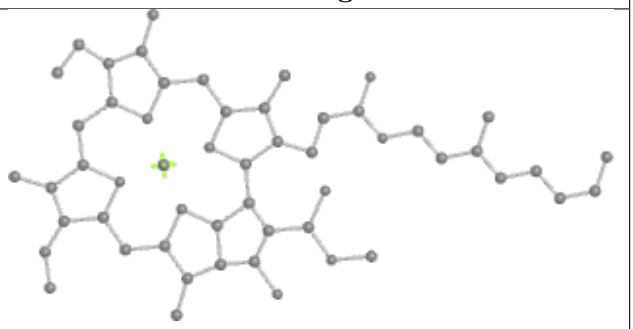
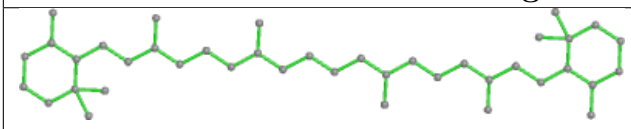
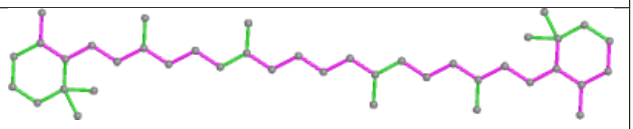


Rings

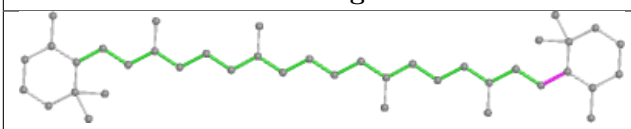
Ligand BCR A 848



Bond lengths



Bond angles



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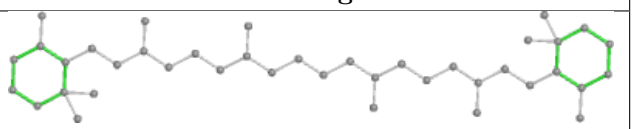
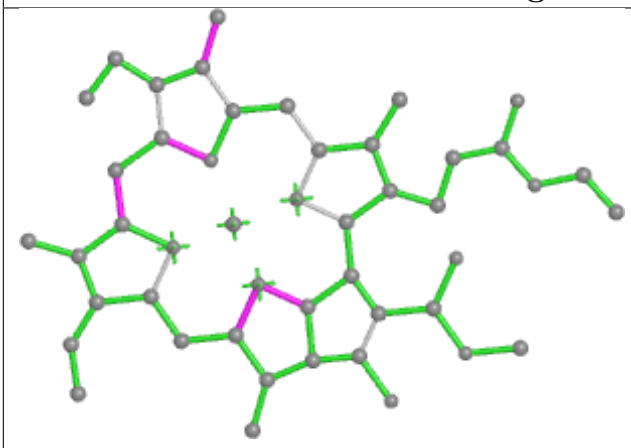
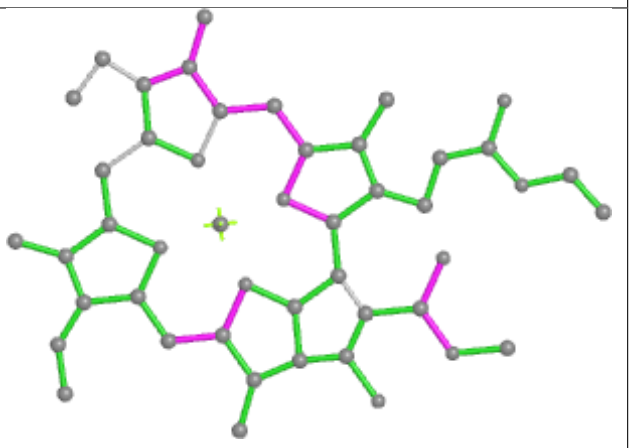


Rings

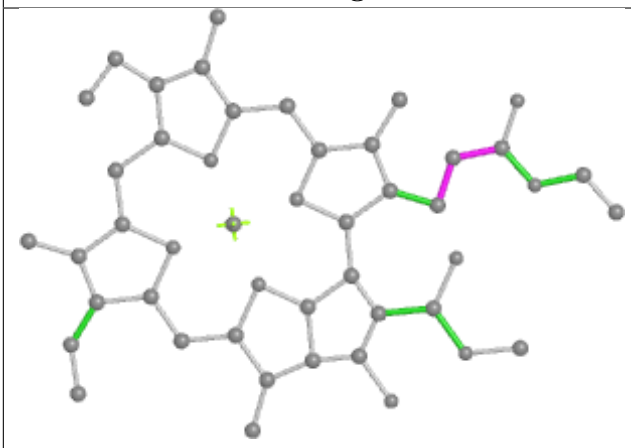
Ligand CLA b 839



Bond lengths



Bond angles



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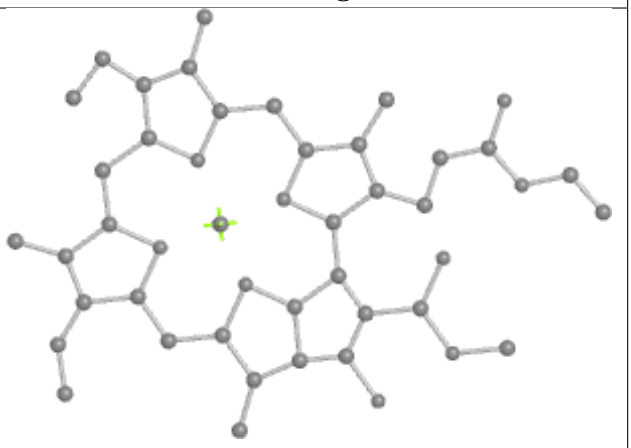
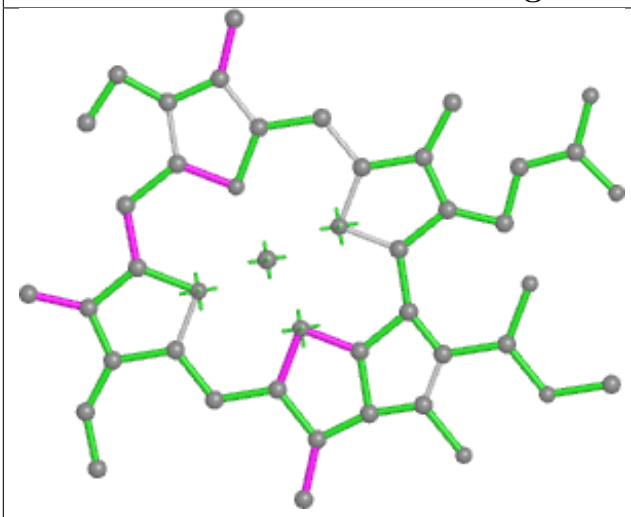


Rings

Ligand CLA B 817



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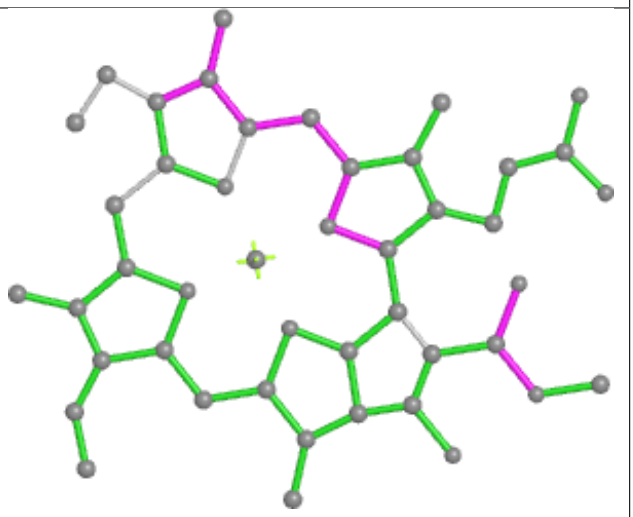
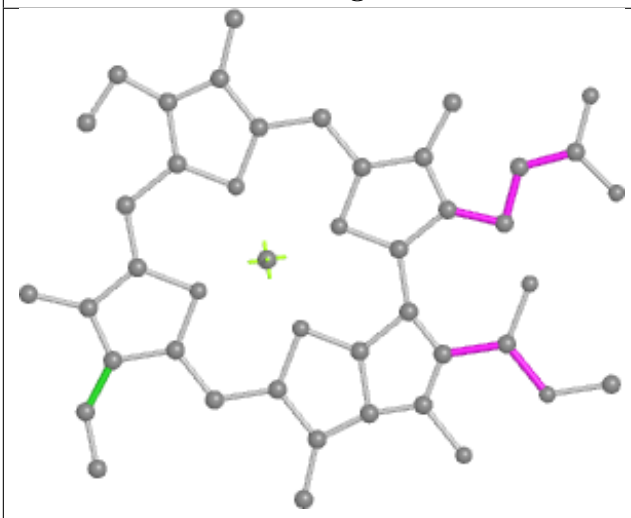


Bond angles



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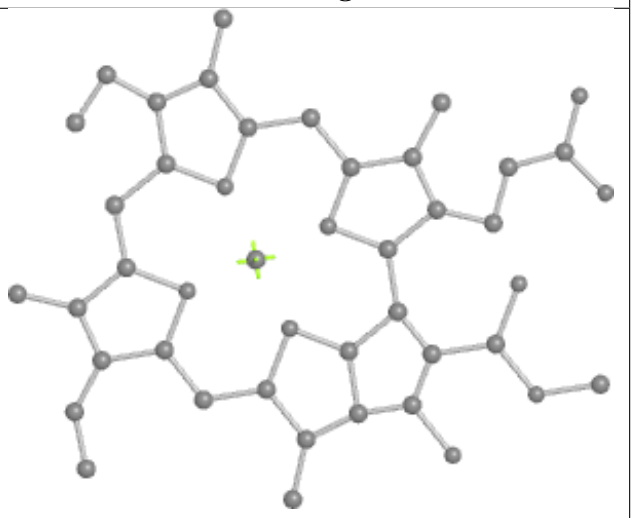
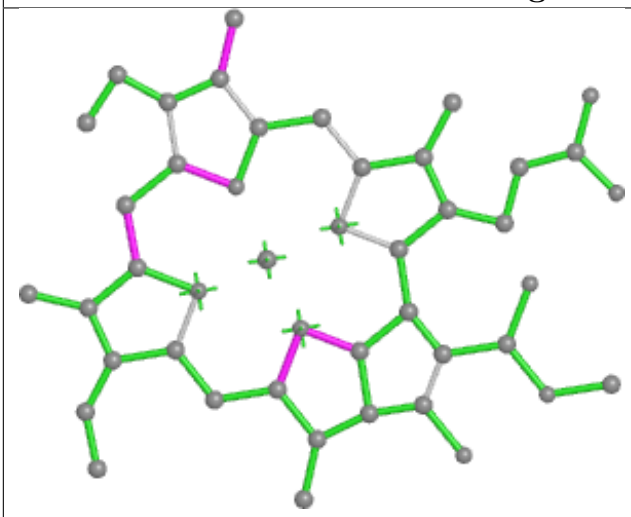


Rings

Ligand CLA g 834



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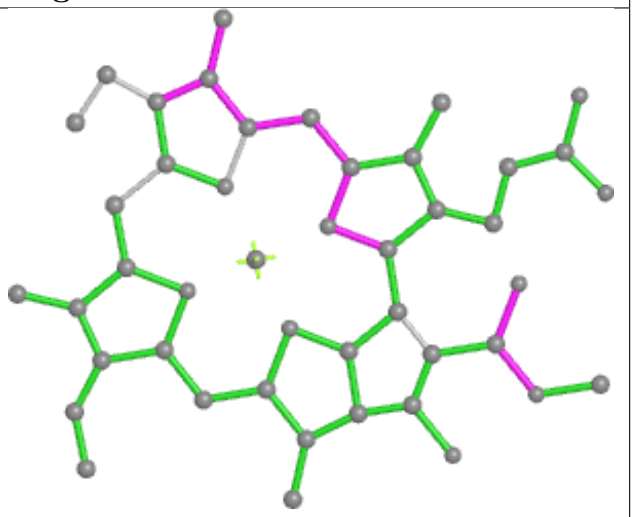
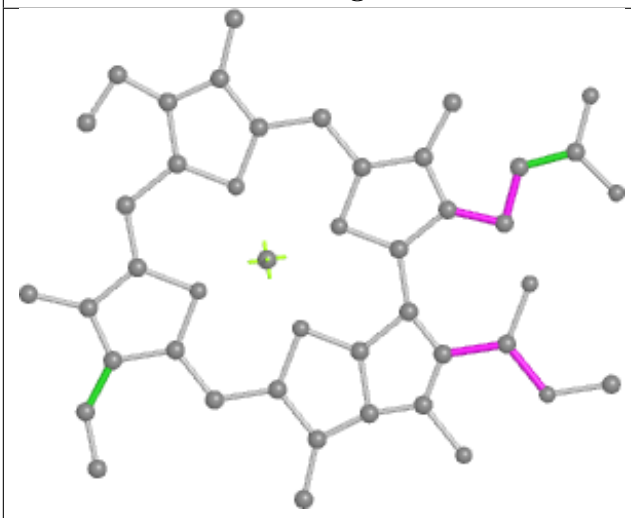
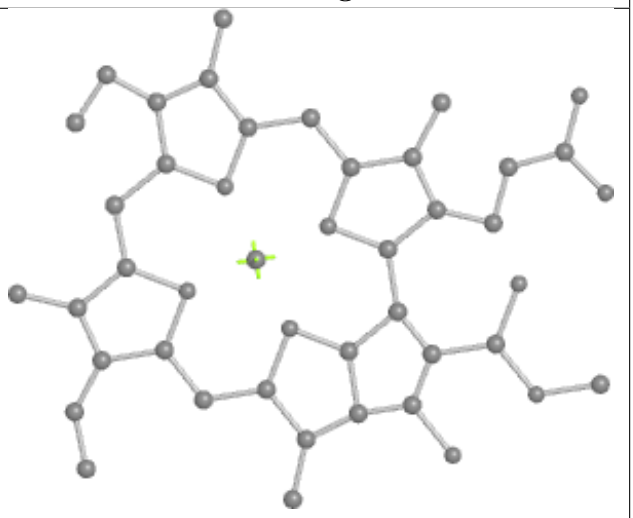


Bond angles

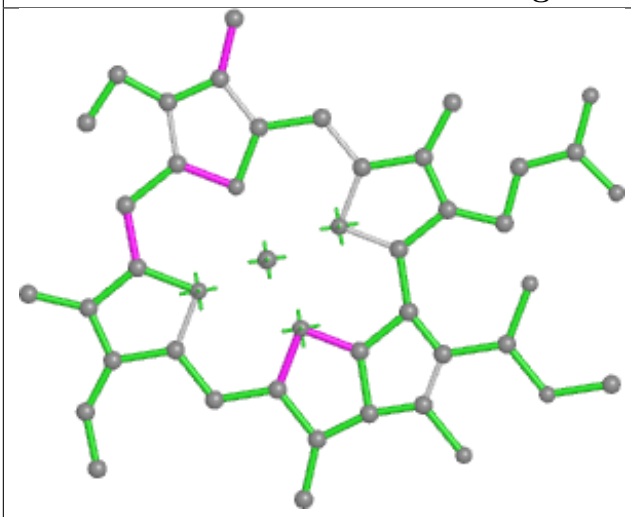


Torsions



Rings

Ligand CLA l 204



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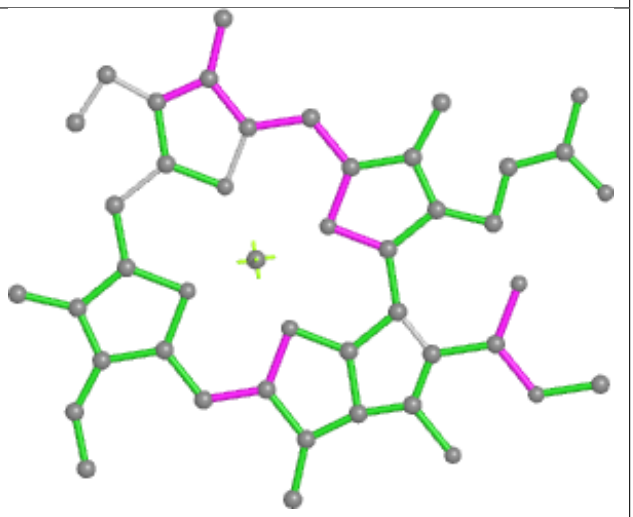
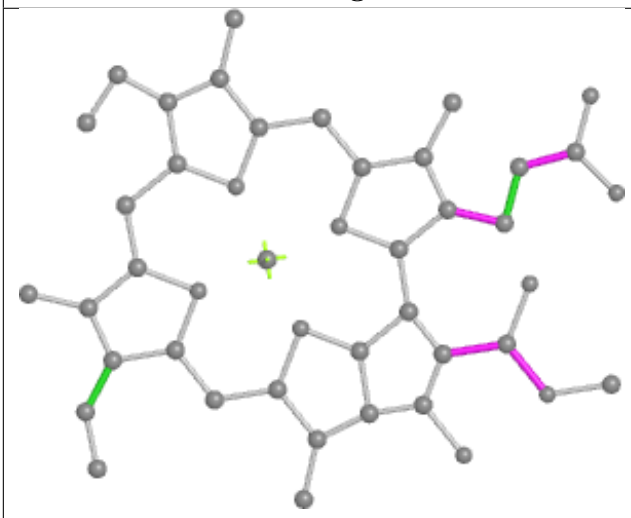


Bond angles



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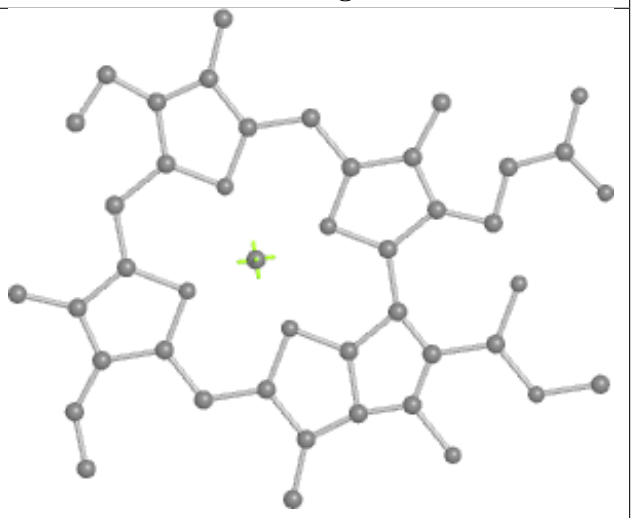
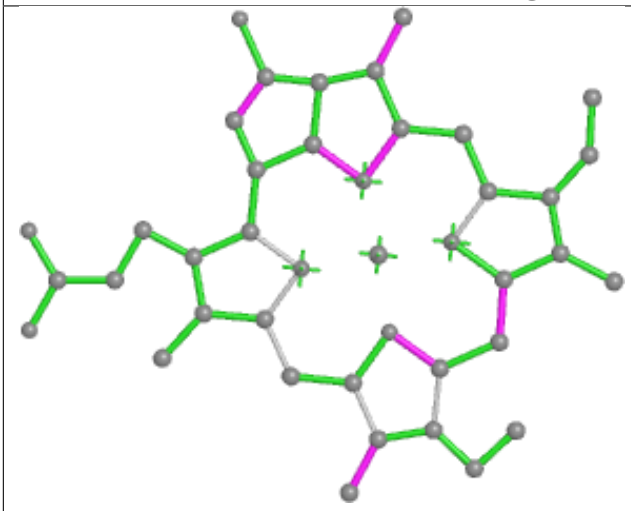
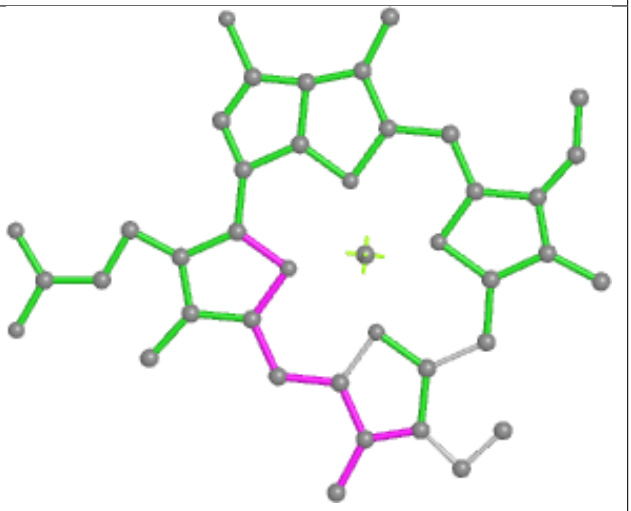


Rings

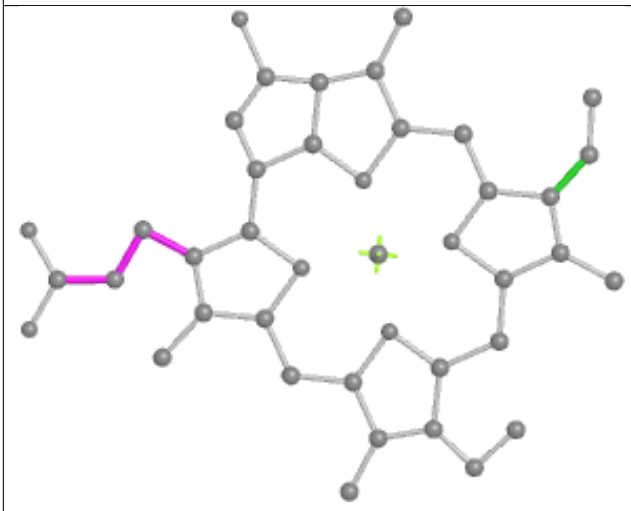
Ligand CLA U 101



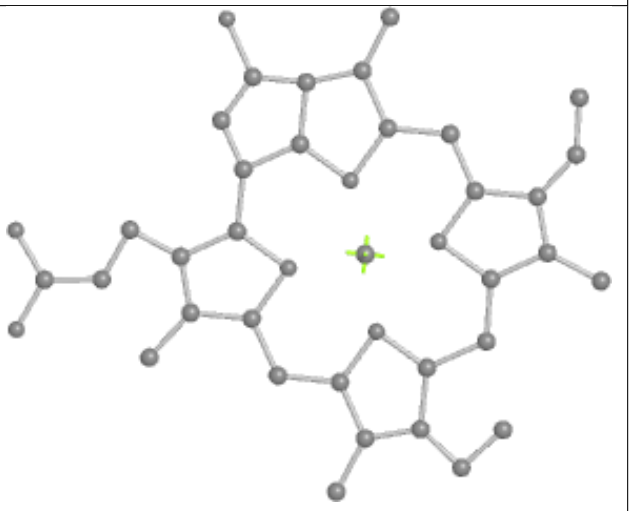
Bond lengths



Bond angles

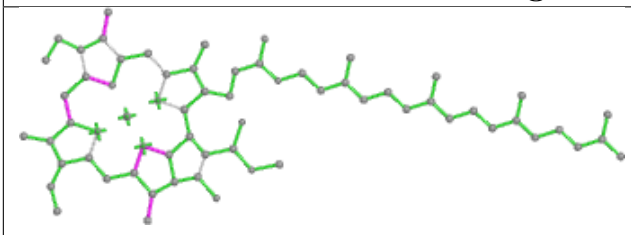


Torsions

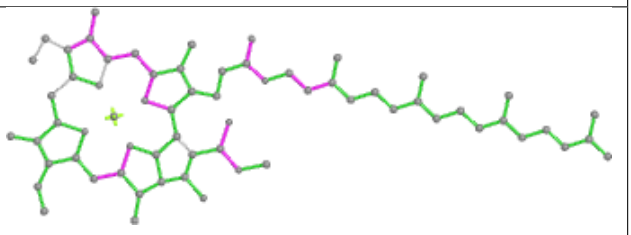


Rings

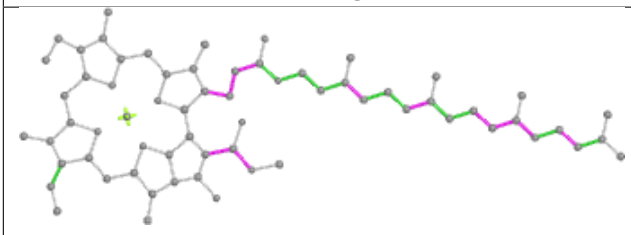
Ligand CLA n 827



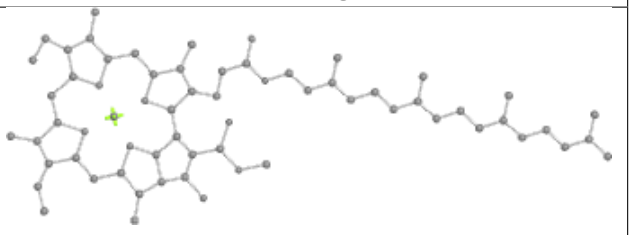
Bond lengths



Bond angles

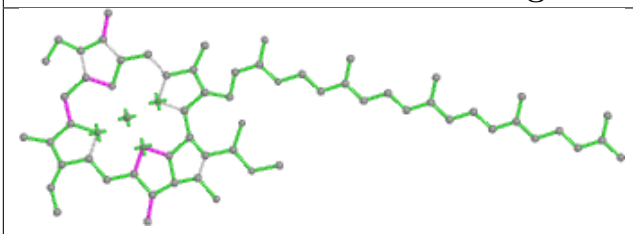


Torsions

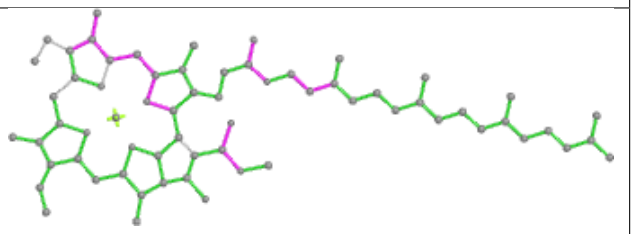


Rings

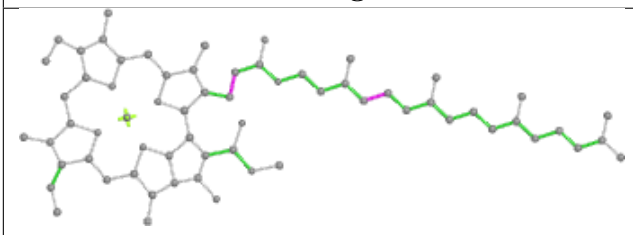
Ligand CLA n 839



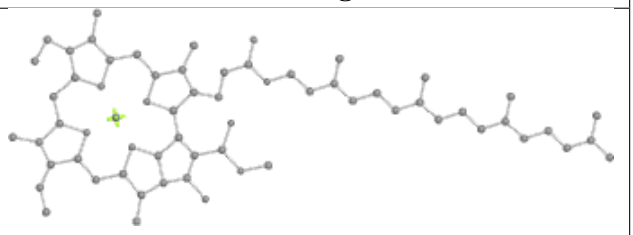
Bond lengths



Bond angles

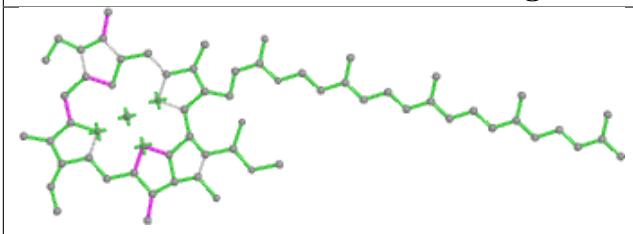


Torsions

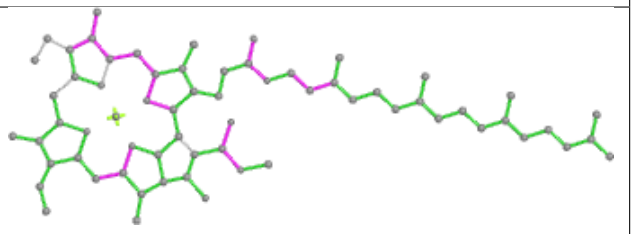


Rings

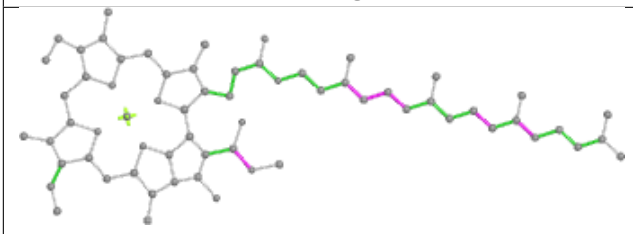
Ligand CLA A 832



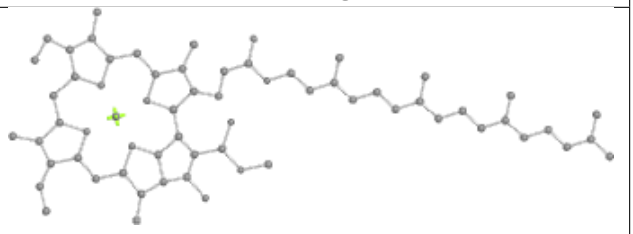
Bond lengths



Bond angles

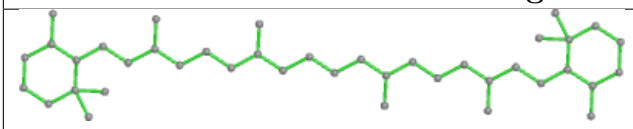


Torsions

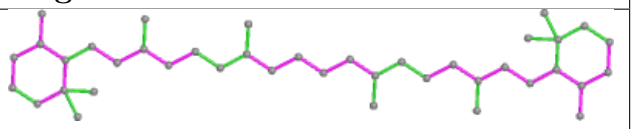


Rings

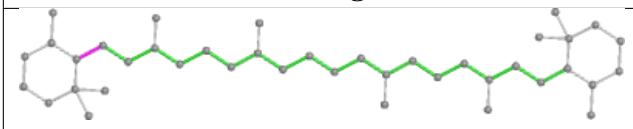
Ligand BCR g 845



Bond lengths



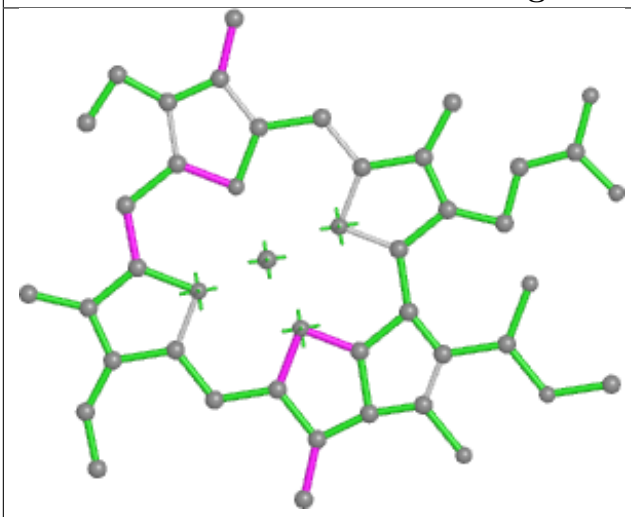
Bond angles



Torsions

Rings

Ligand CLA J 101



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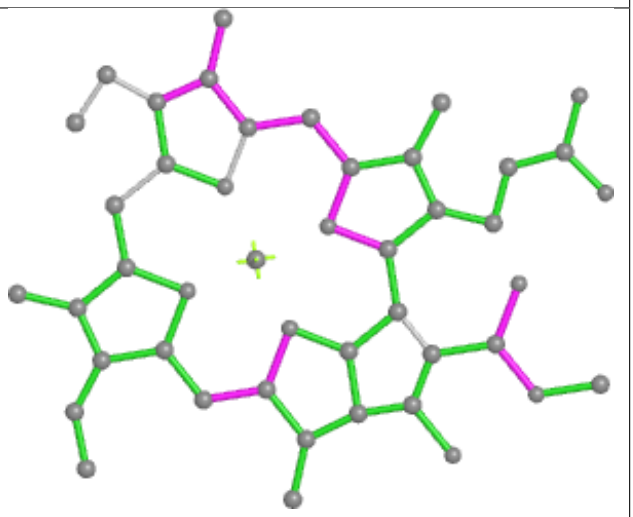
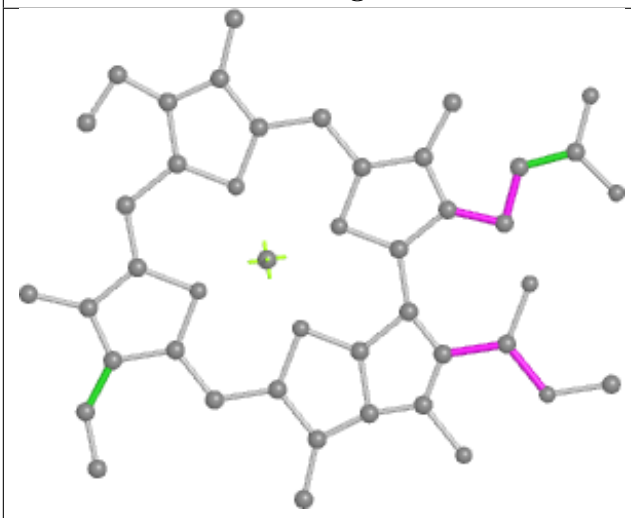


Bond angles



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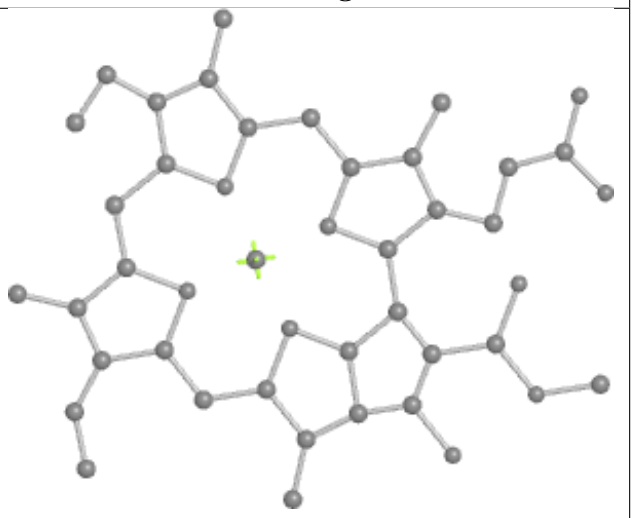
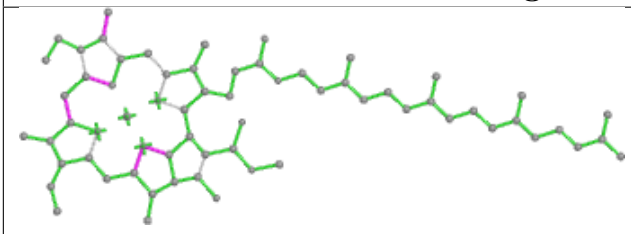


Rings

Ligand CLA N 851



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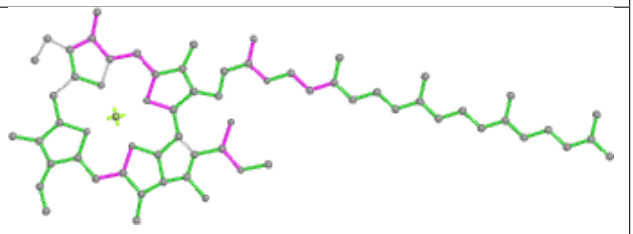
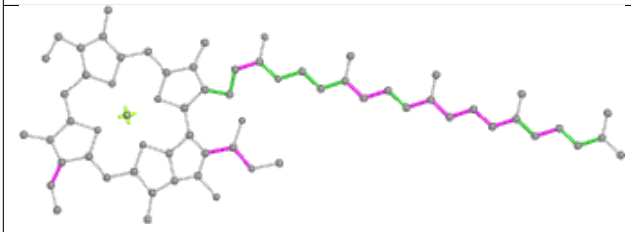


Bond angles



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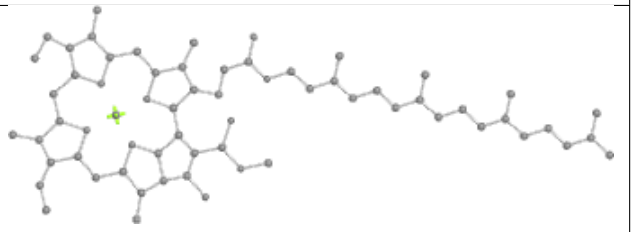
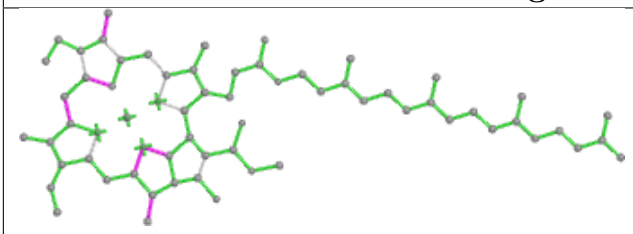


Rings

Ligand CLA a 828



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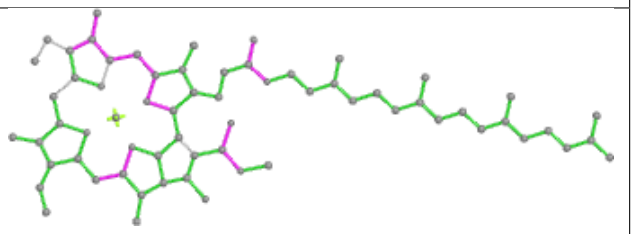
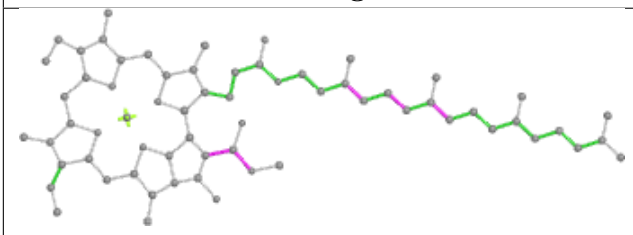
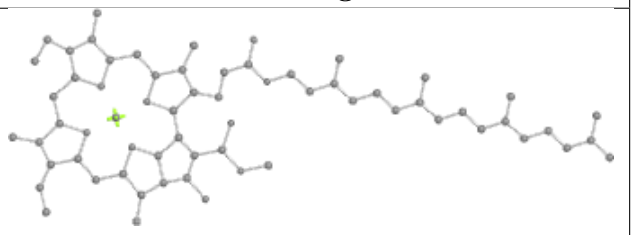


Bond angles

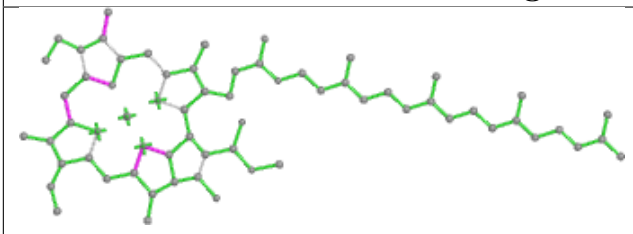


Torsions



Rings

Ligand CLA A 853



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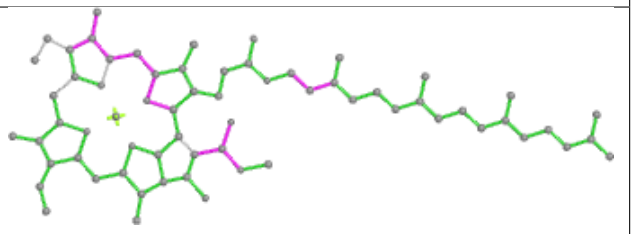
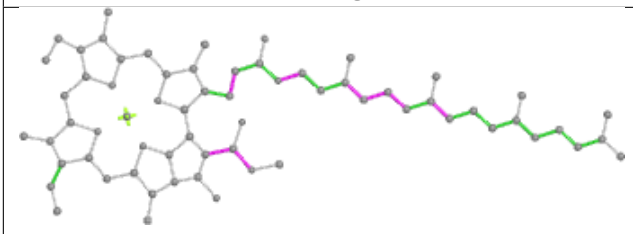


Bond angles



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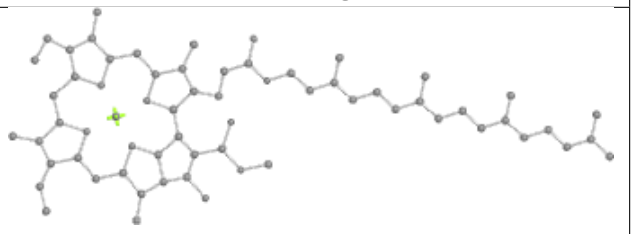
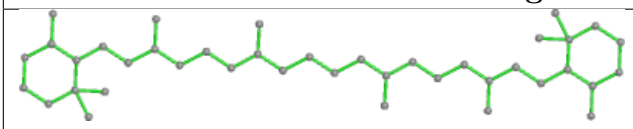


Rings

Ligand BCR b 844



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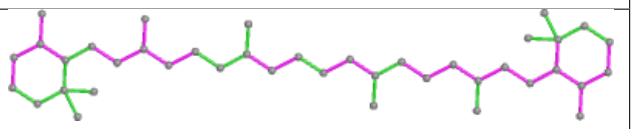
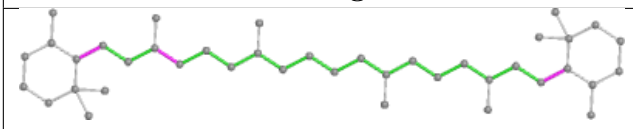


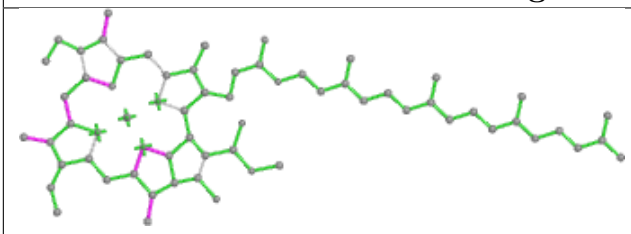
Bond angles



Torsions

Rings

Ligand CLA g 825



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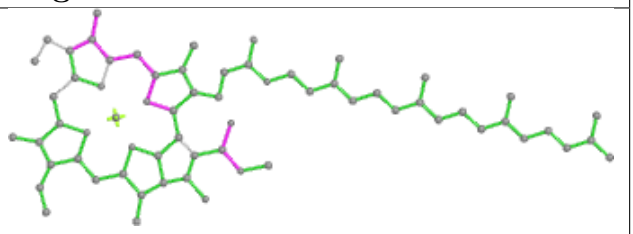
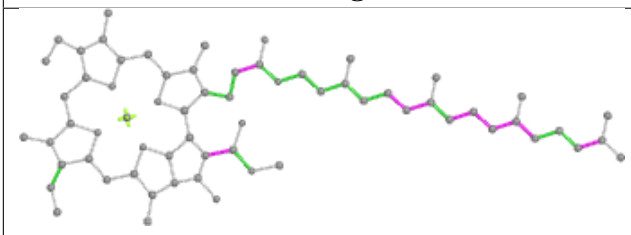


Bond angles



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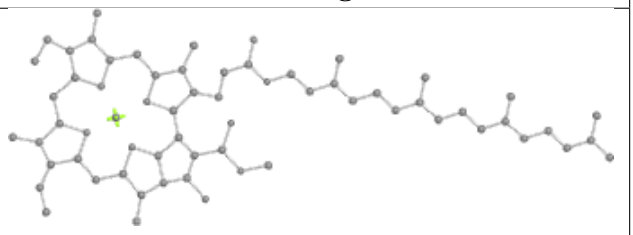
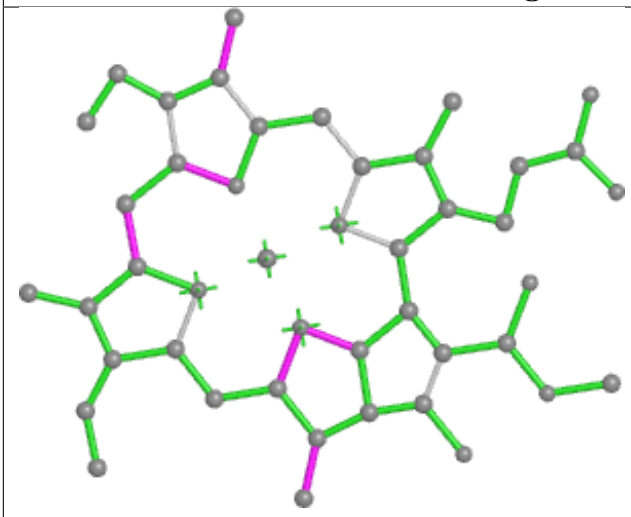


Rings

Ligand CLA N 837



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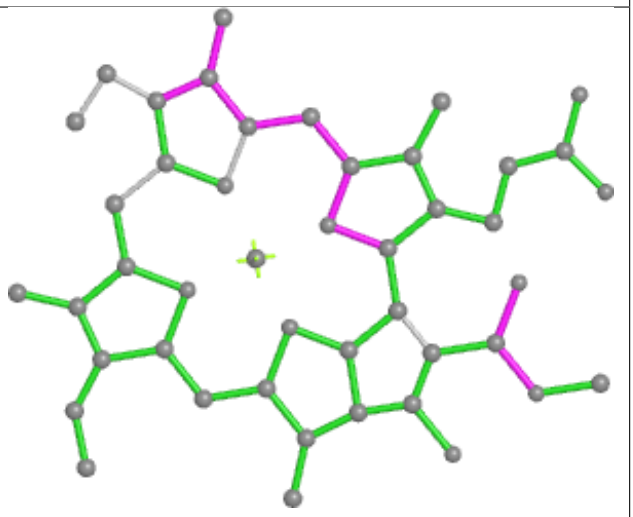
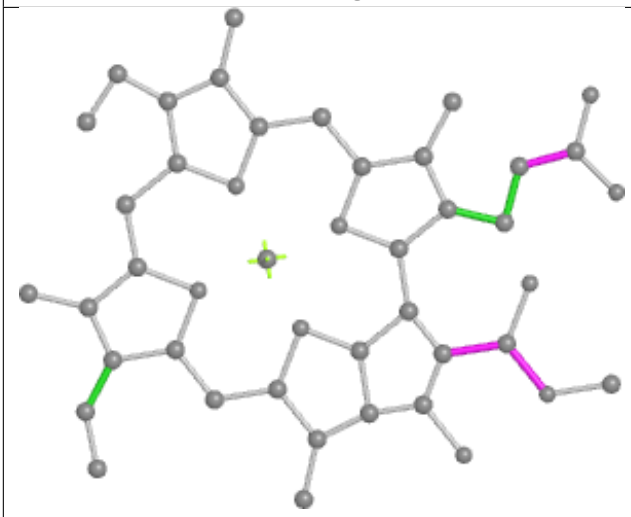


Bond angles



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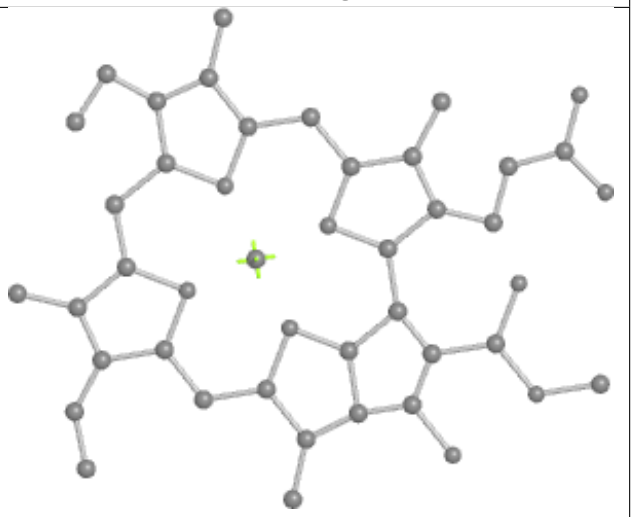
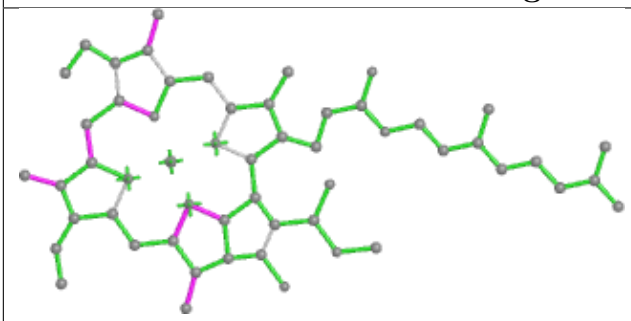


Rings

Ligand CLA N 824



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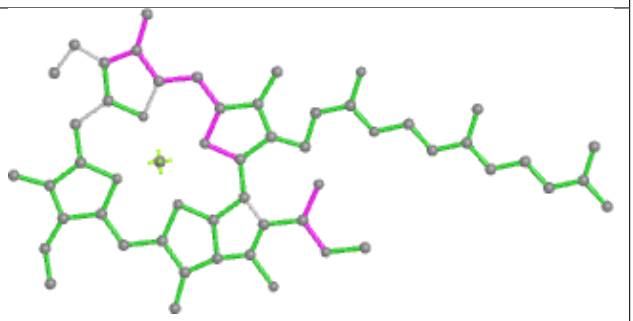
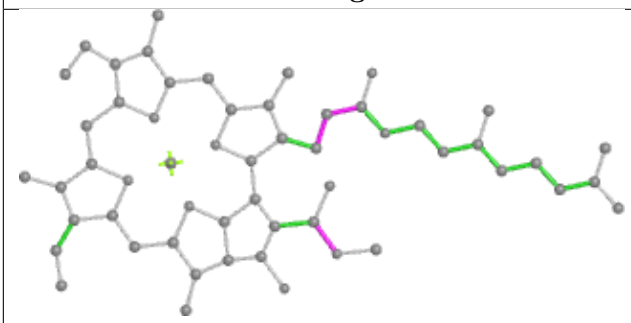


Bond angles



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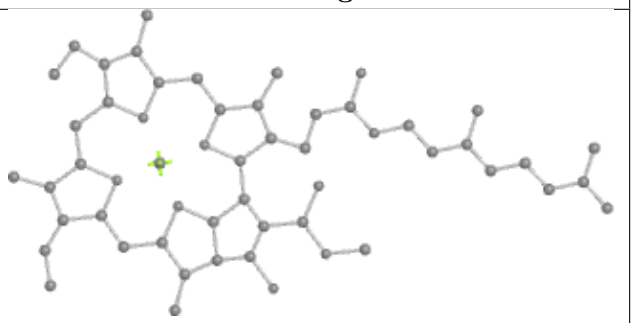
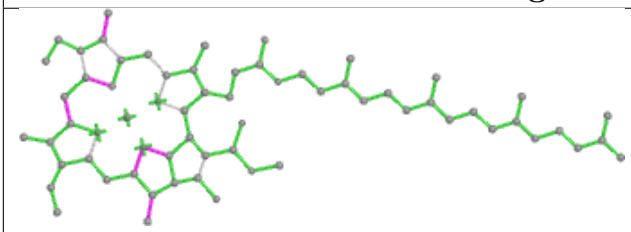


Rings

Ligand CLA g 801



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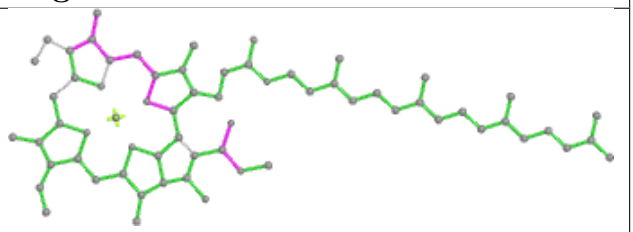
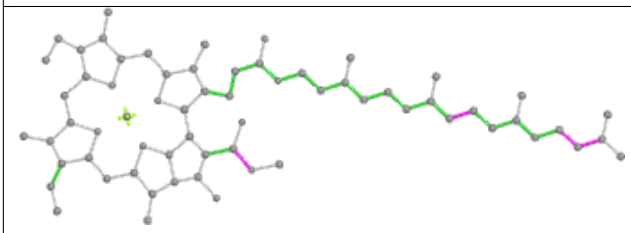


Bond angles



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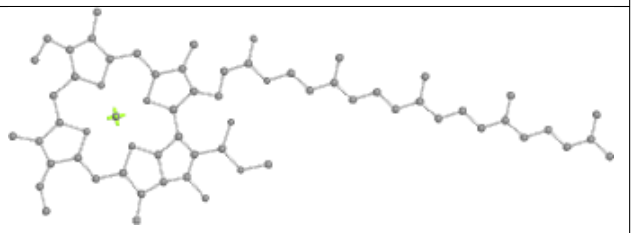
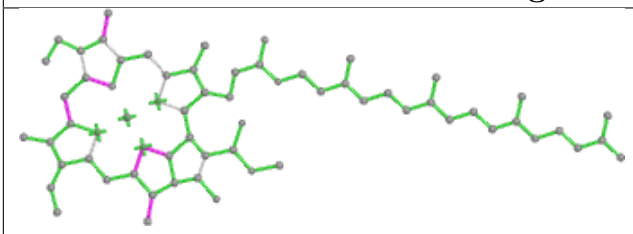


Rings

Ligand CLA a 838



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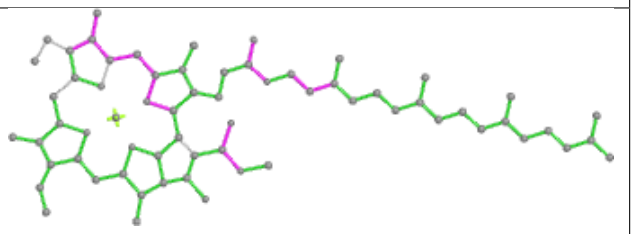
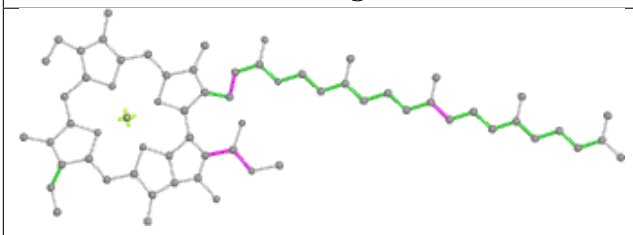
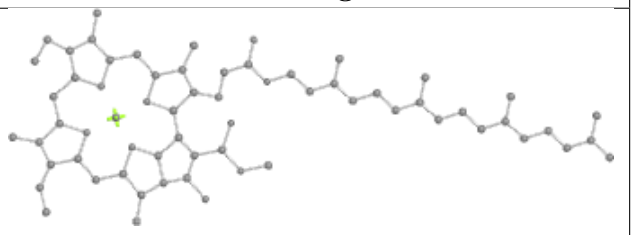


Bond angles

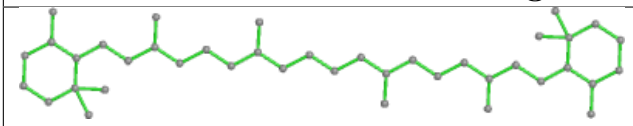


Torsions



Rings

Ligand BCR g 844



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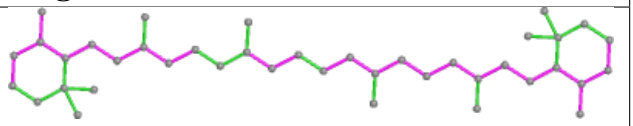
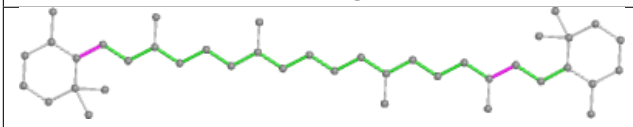


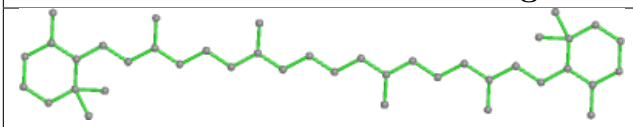
Bond angles



Torsions

Rings

Ligand BCR m 102



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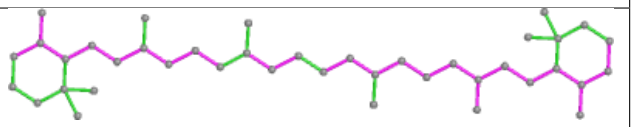
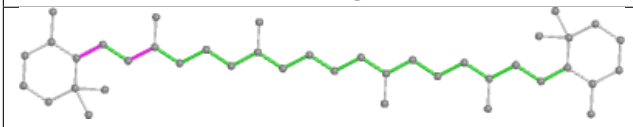


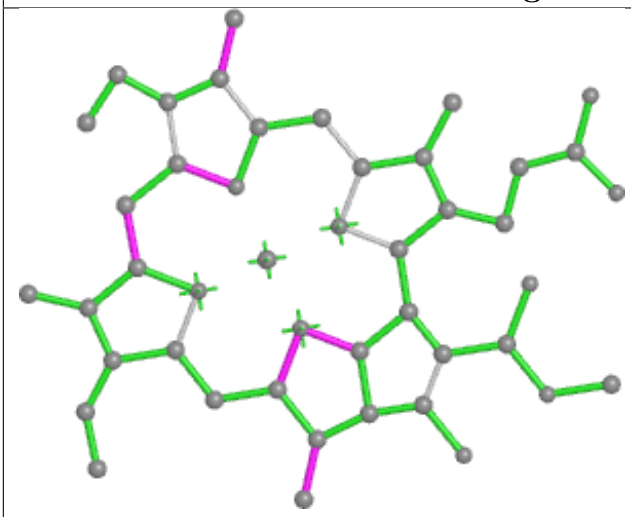
Bond angles



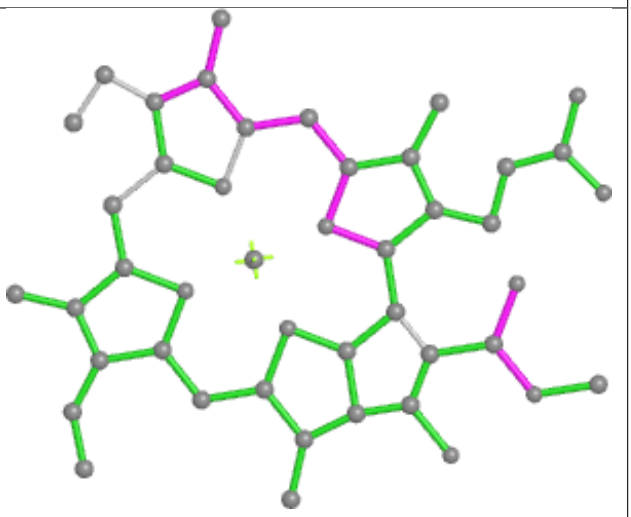
Torsions

Rings

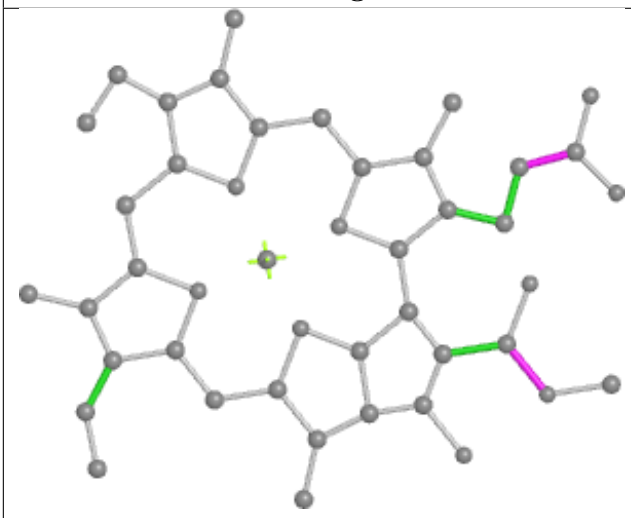
Ligand CLA N 818



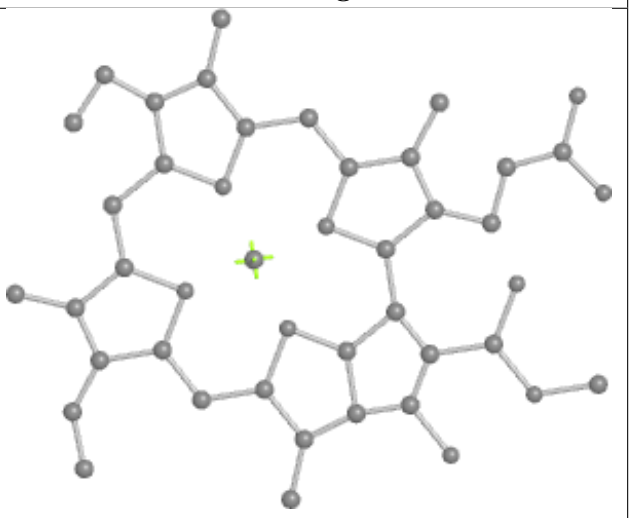
Bond lengths



Bond angles

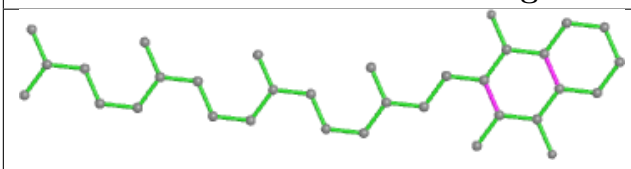


Torsions

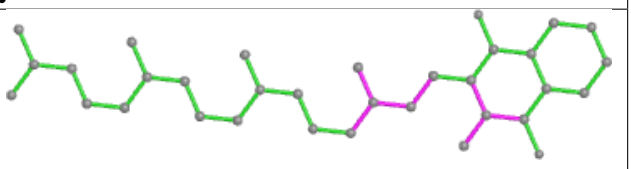


Rings

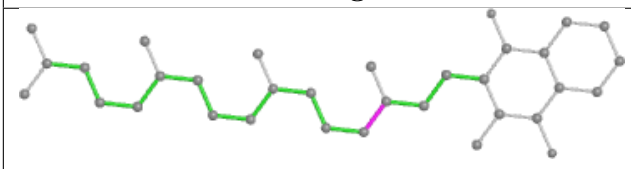
Ligand PQN N 843



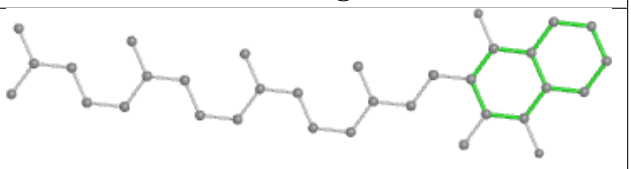
Bond lengths



Bond angles

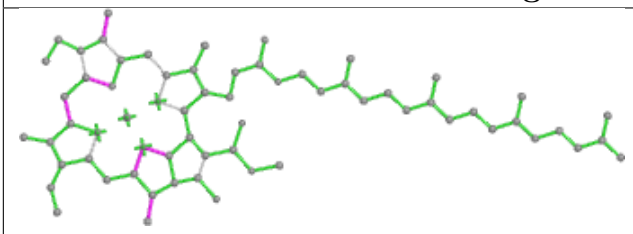


Torsions

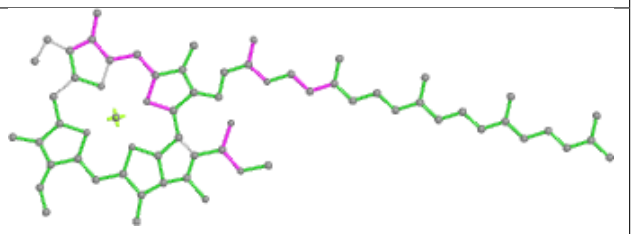


Rings

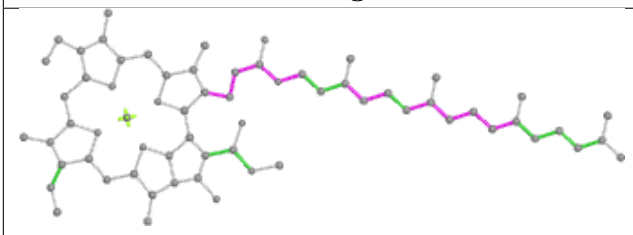
Ligand CLA G 808



Bond lengths



Bond angles



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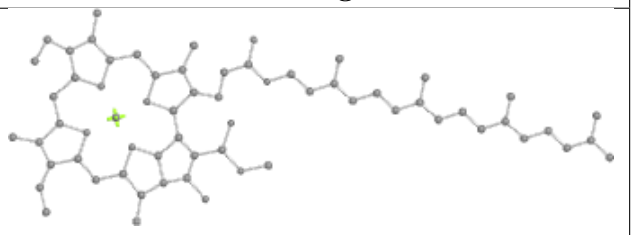
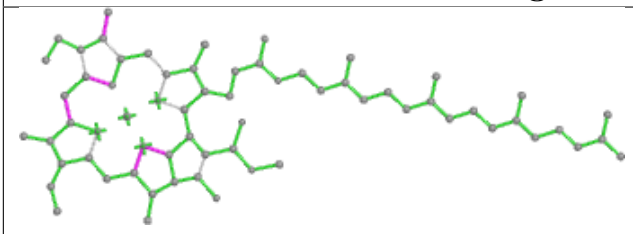
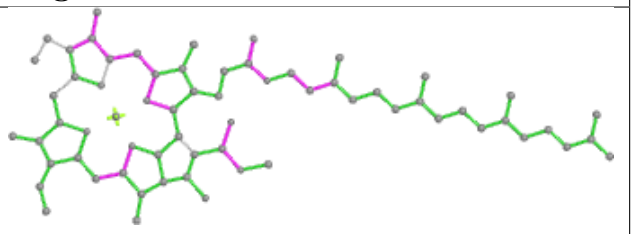


Rings

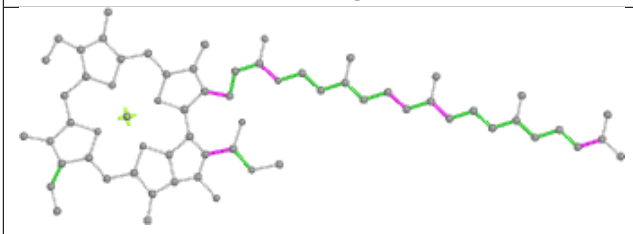
Ligand CLA g 817



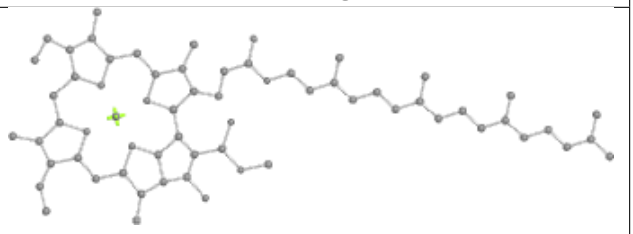
Bond lengths



Bond angles

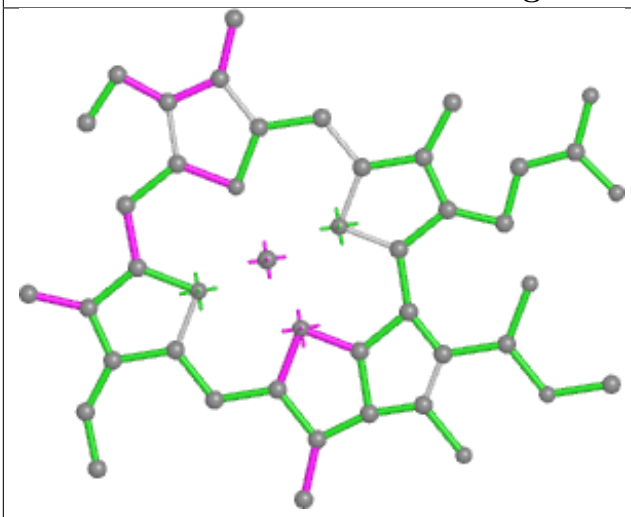


Torsions

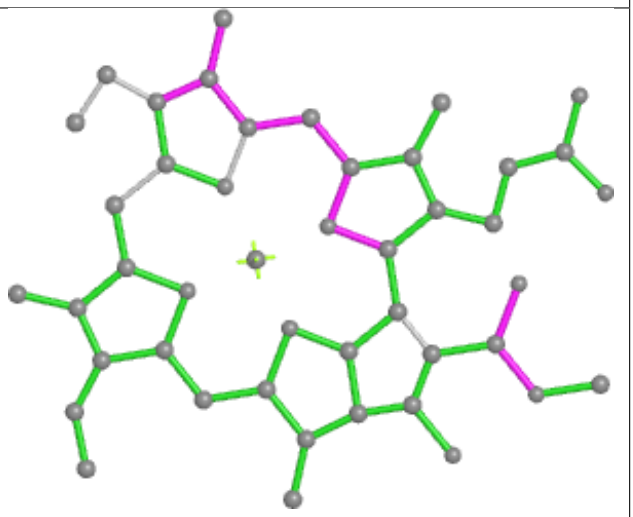


Rings

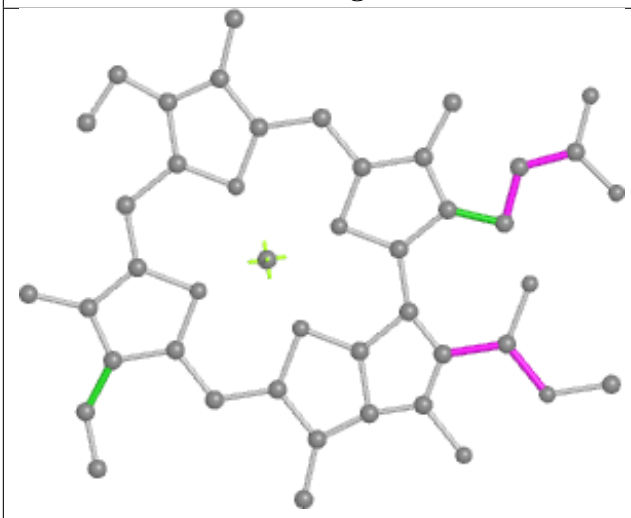
Ligand CLA G 852



Bond lengths



Bond angles



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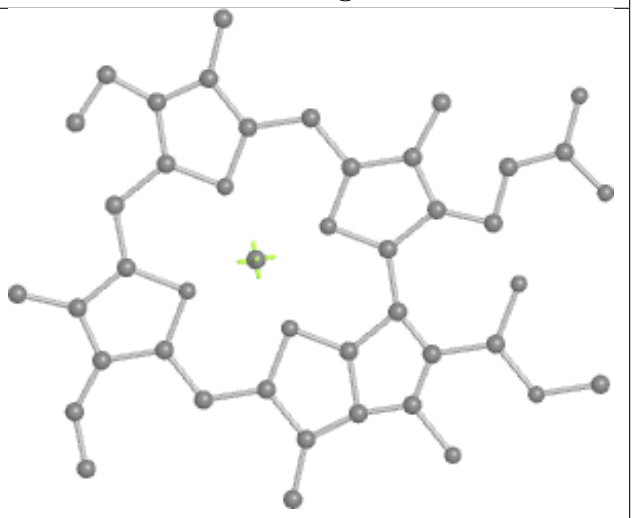
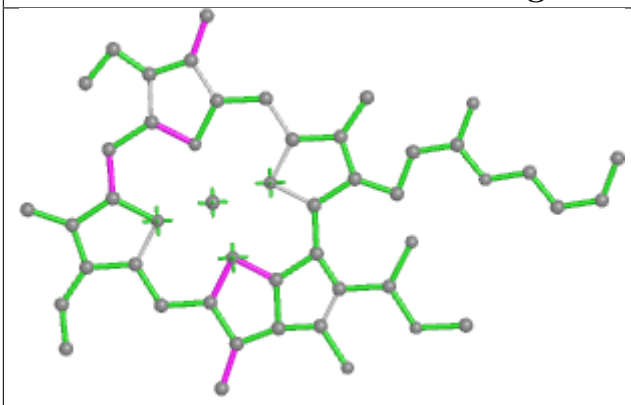
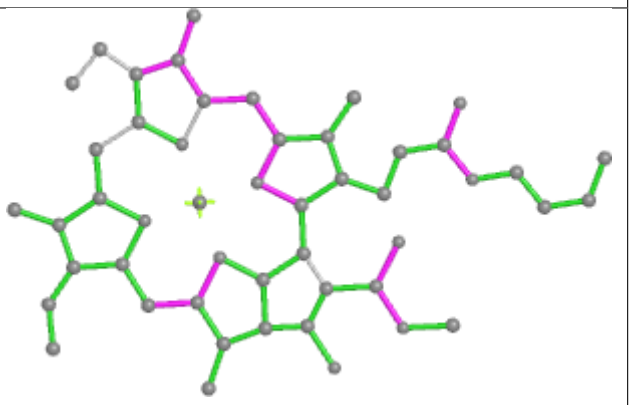


Rings

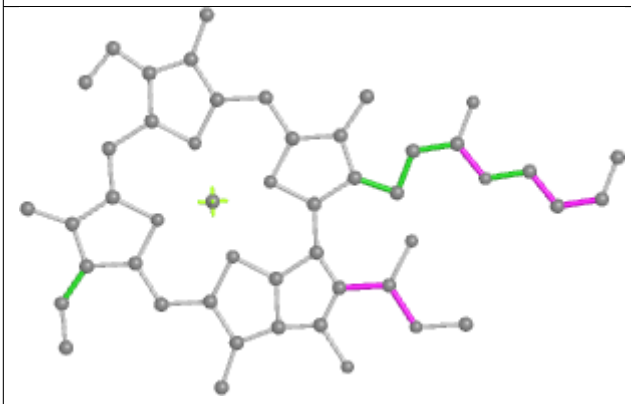
Ligand CLA n 815



Bond lengths



Bond angles



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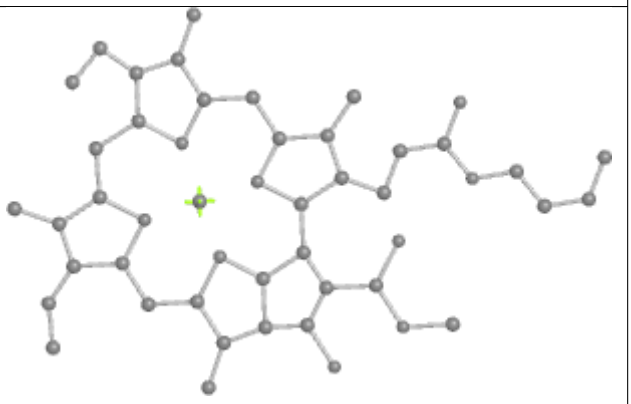
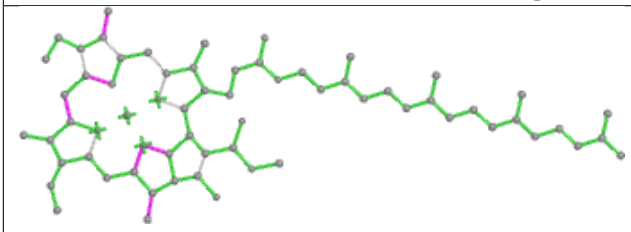
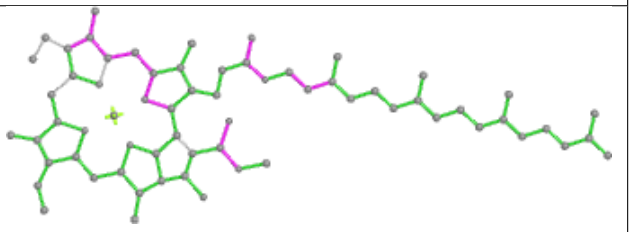


Rings

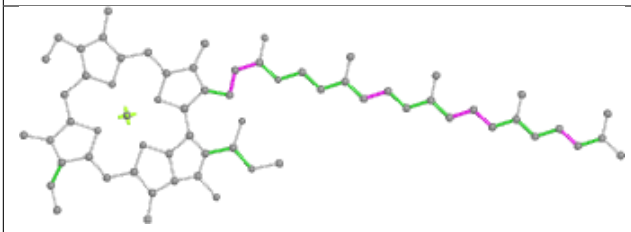
Ligand CLA a 807



Bond lengths



Bond angles



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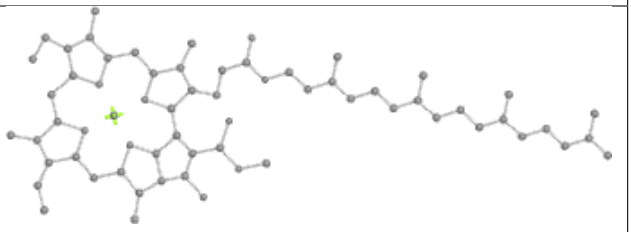
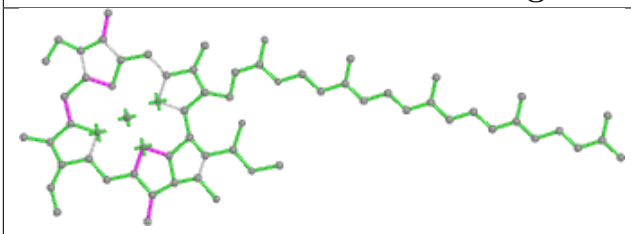
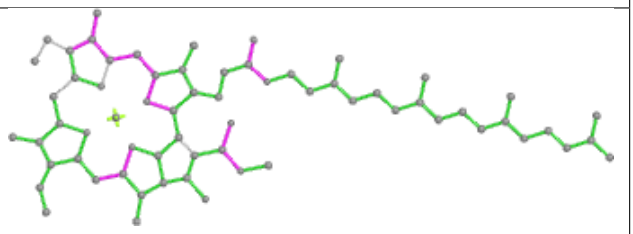


Rings

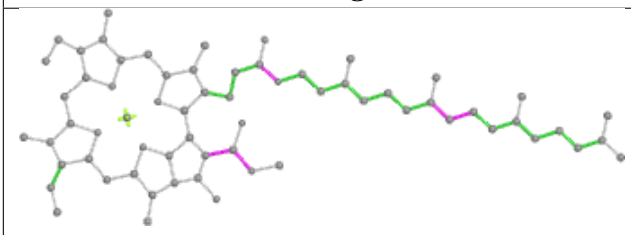
Ligand CLA b 820



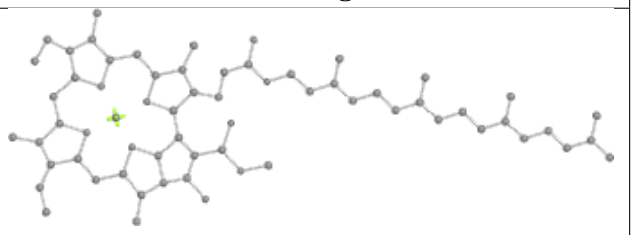
Bond lengths



Bond angles

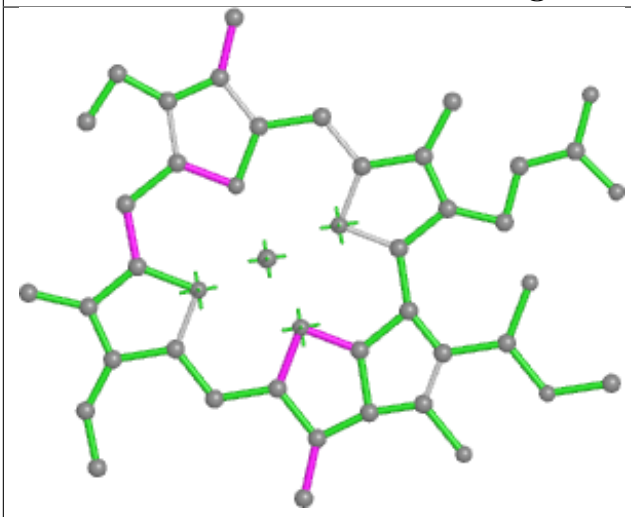


Torsions



Rings

Ligand CLA a 820



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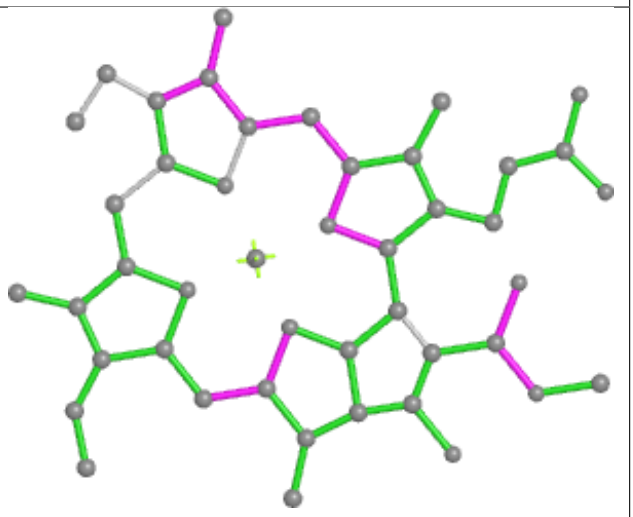
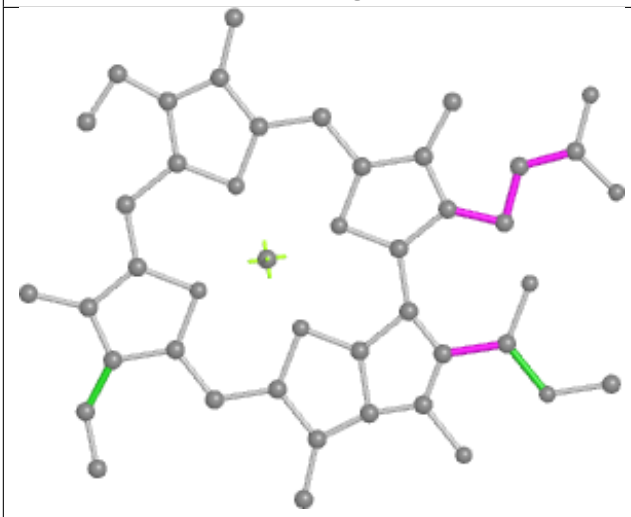


Bond angles



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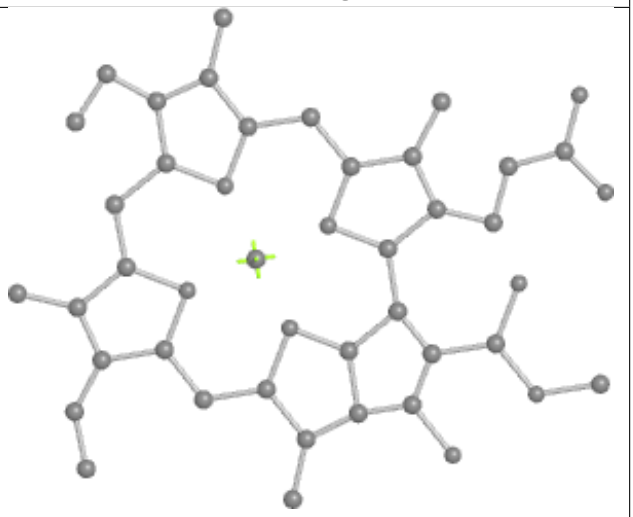
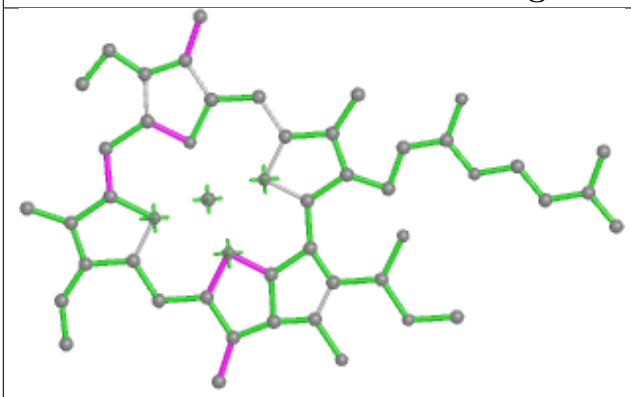
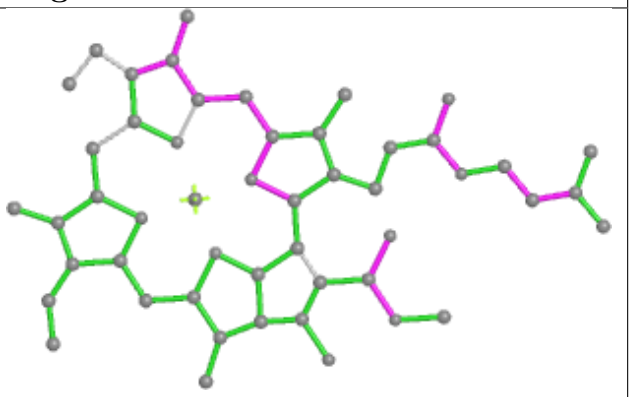
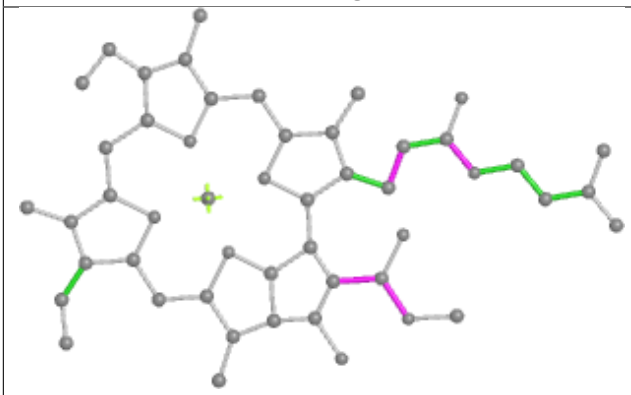
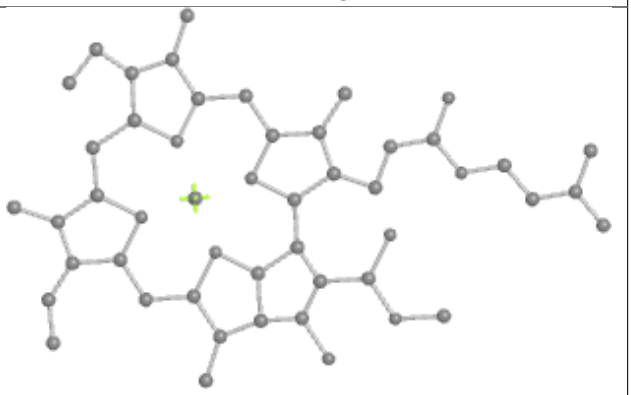
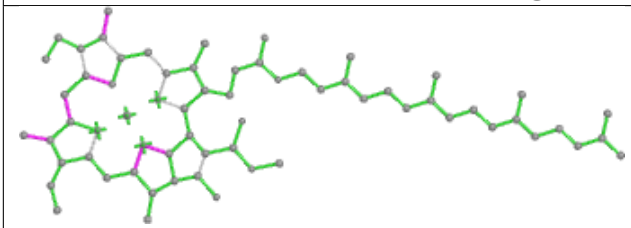
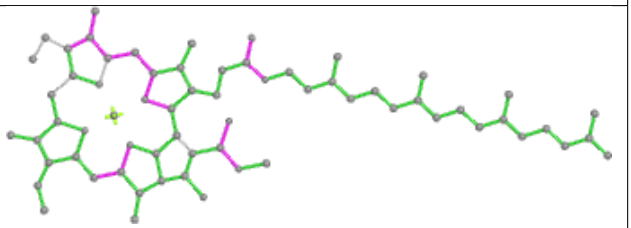
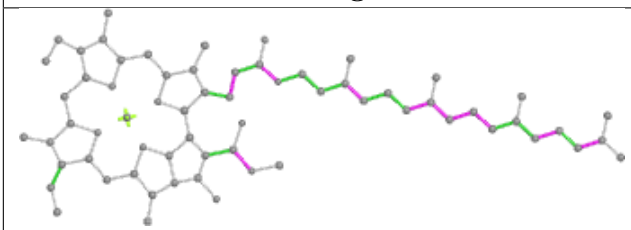
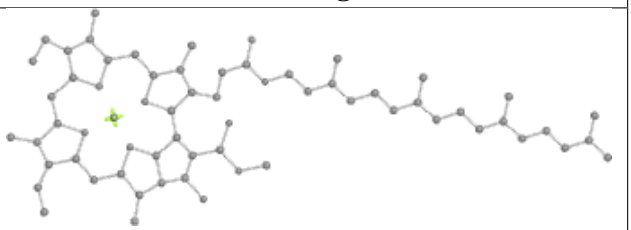
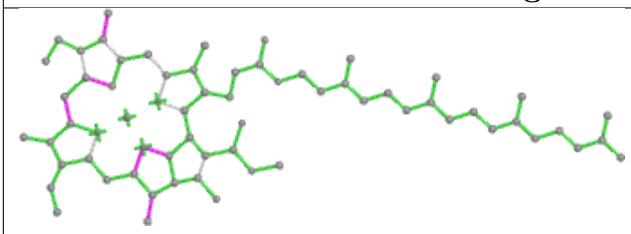


Rings

Ligand CLA g 840	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA a 819	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA A 820



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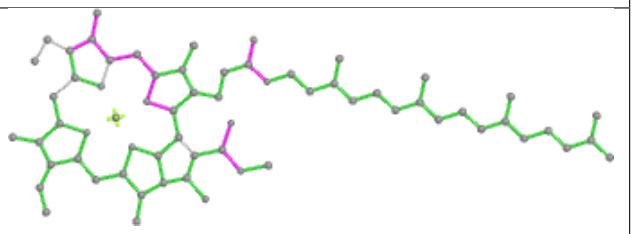
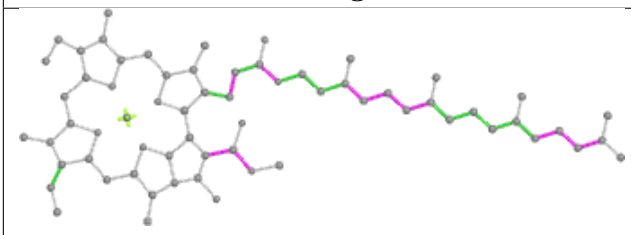
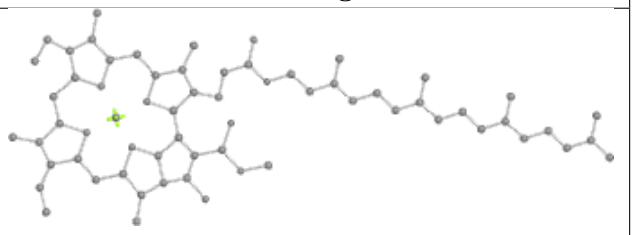


Bond angles

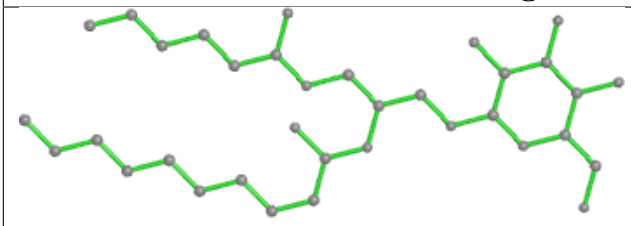


Torsions



Rings

Ligand LMG B 802



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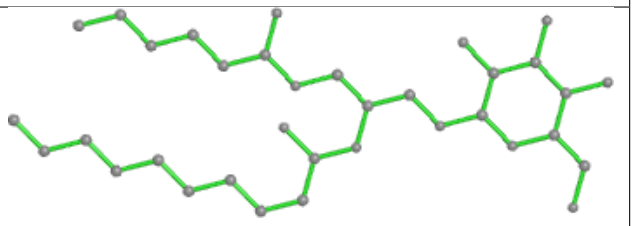
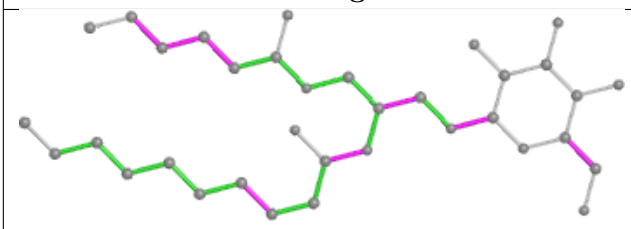


Bond angles



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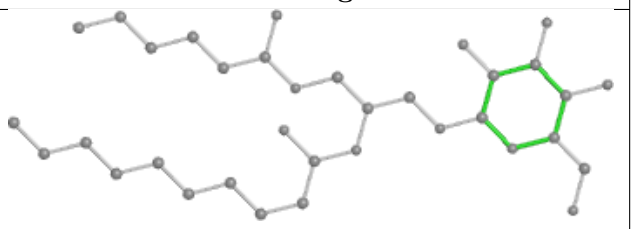
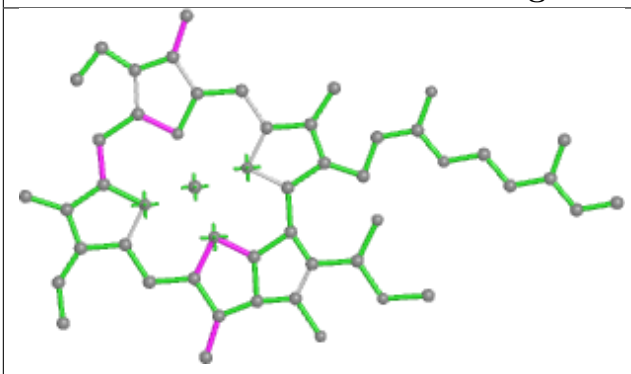
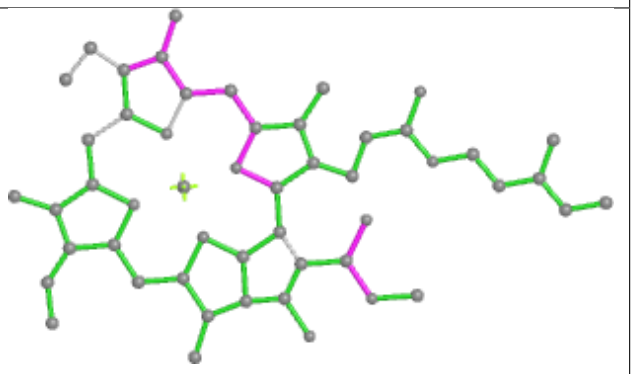


Rings

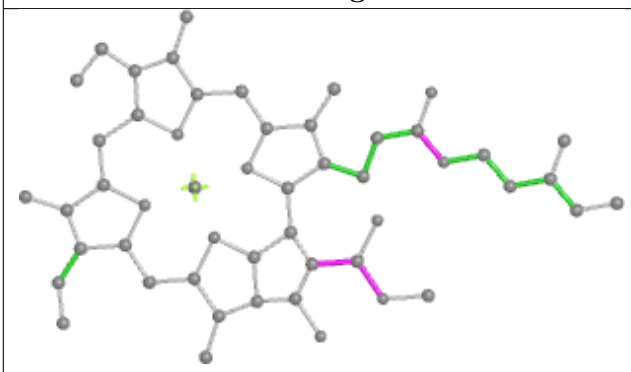
Ligand CLA a 835



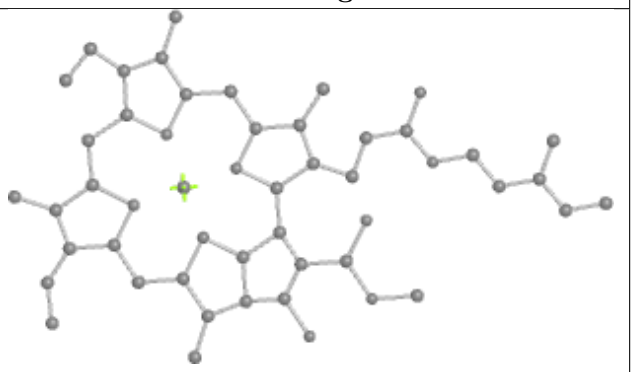
Bond lengths



Bond angles

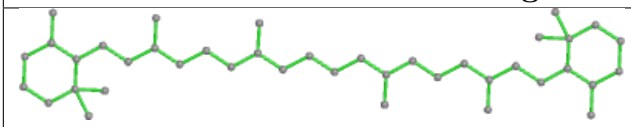


Torsions

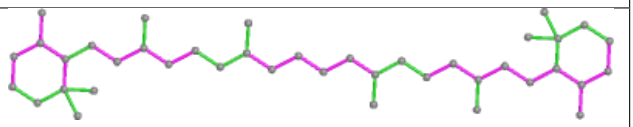


Rings

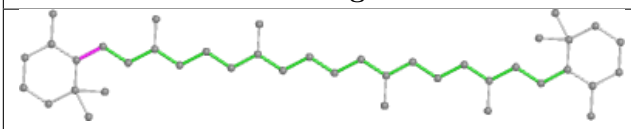
Ligand BCR G 845



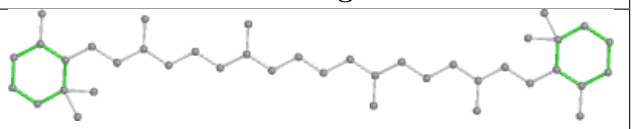
Bond lengths



Bond angles

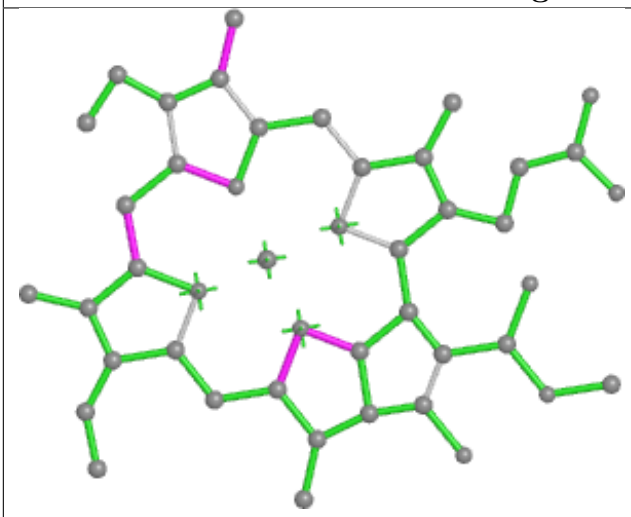


Torsions

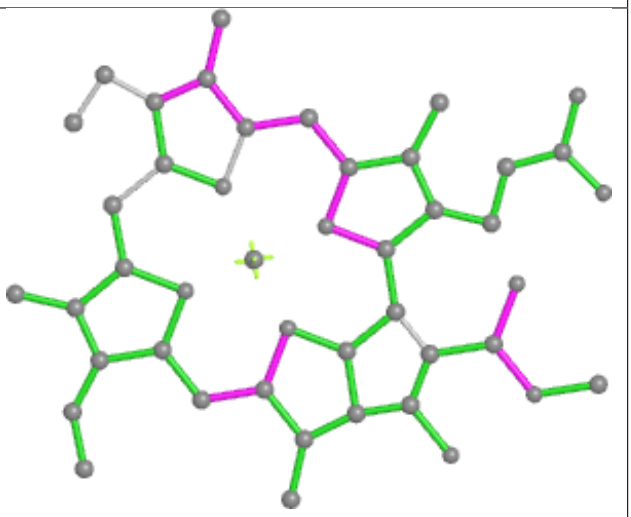


Rings

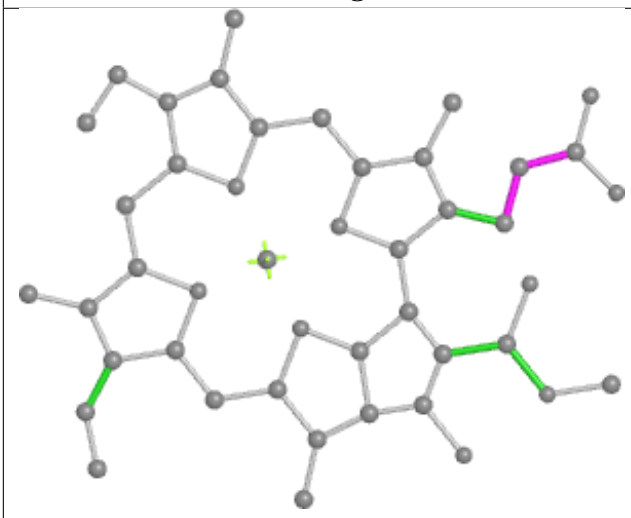
Ligand CLA f 202



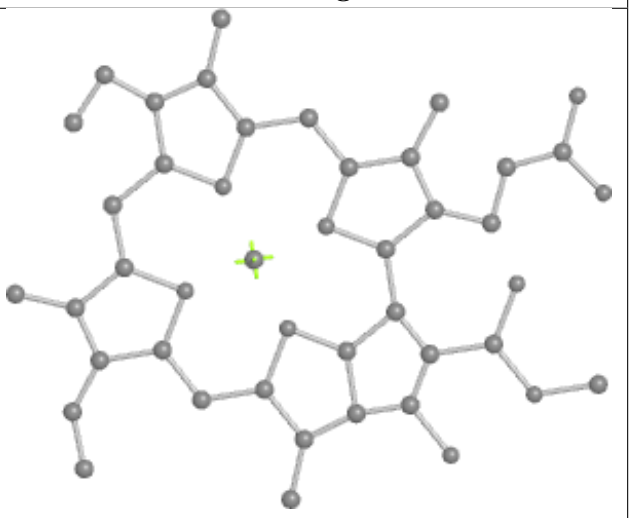
Bond lengths



Bond angles

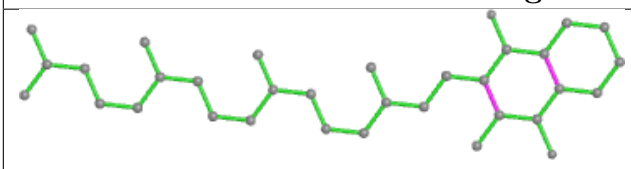


Torsions



Rings

Ligand PQN n 841



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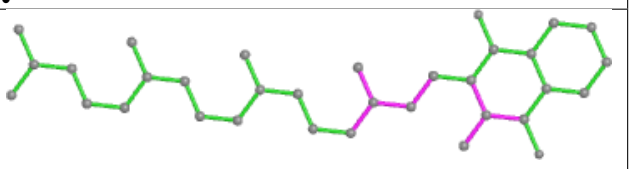
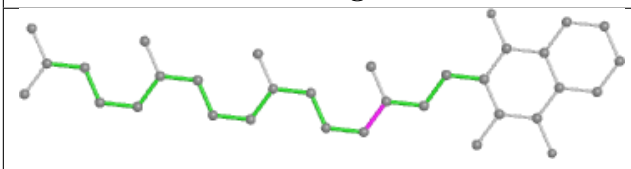
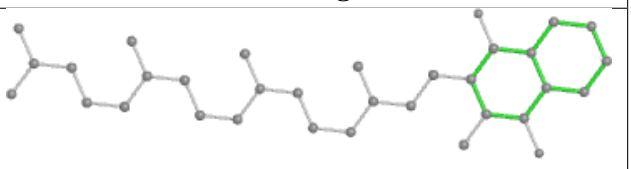


Bond angles

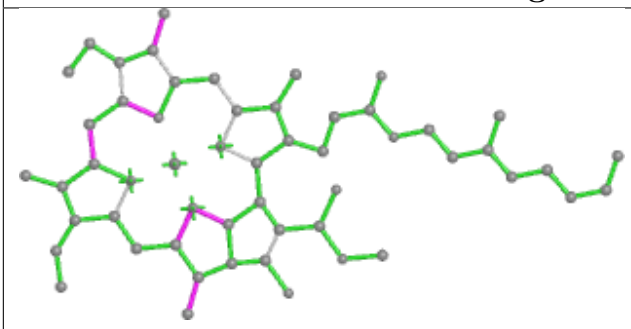


Torsions



Rings

Ligand CLA a 821



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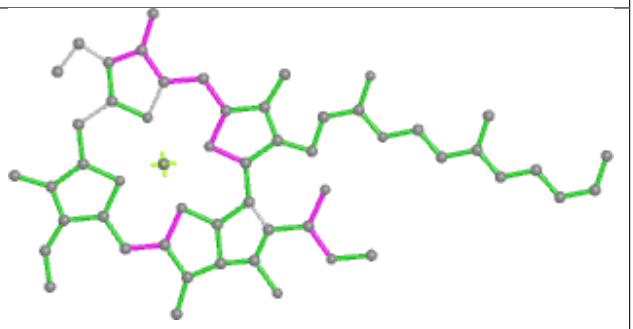
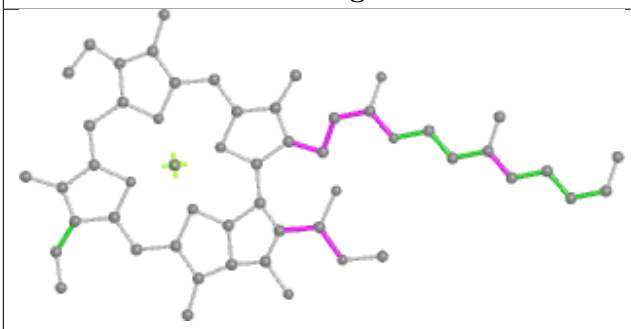


Bond angles



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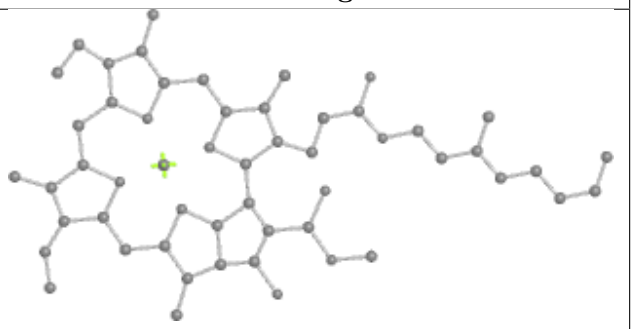
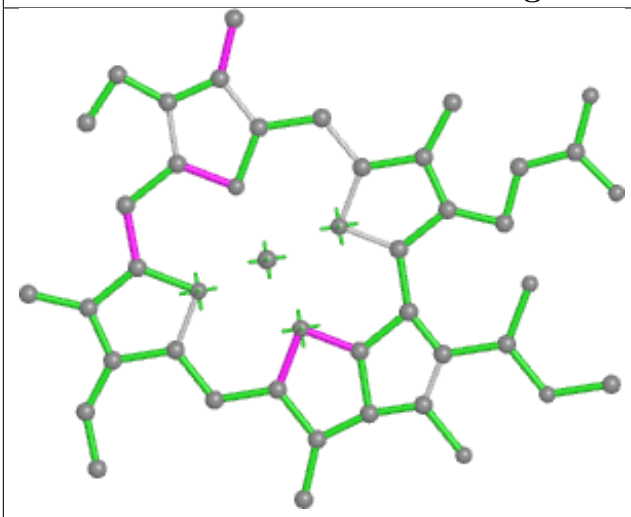


Rings

Ligand CLA A 821



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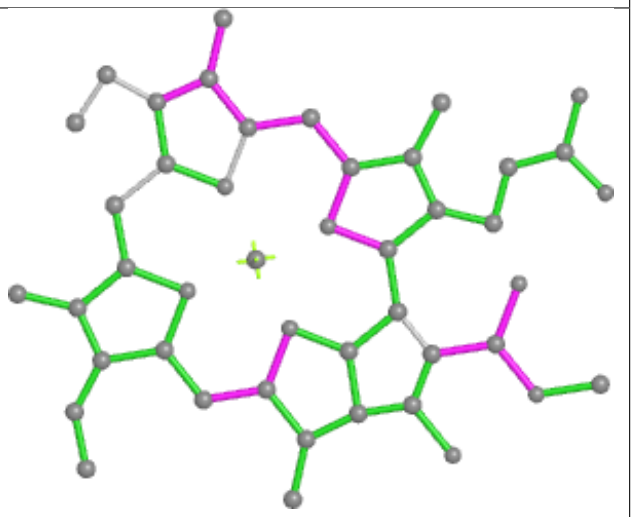
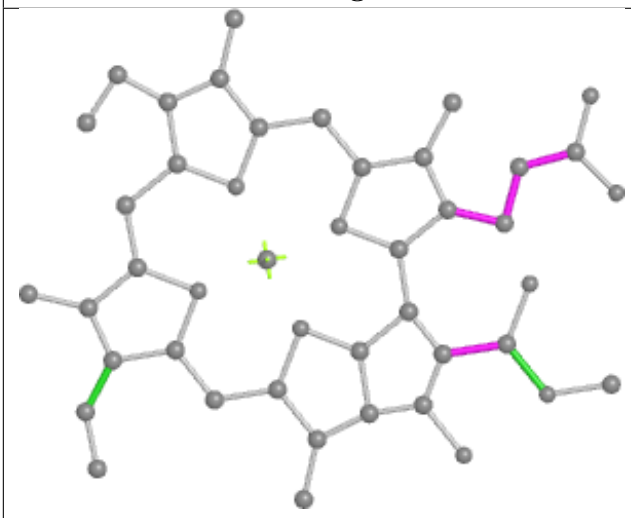


Bond angles



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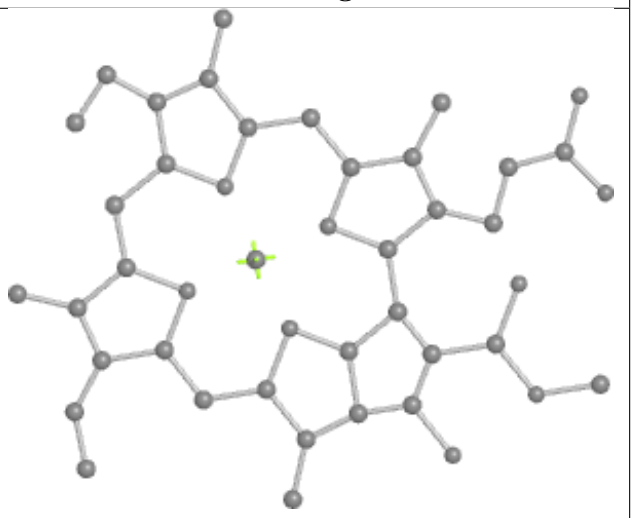
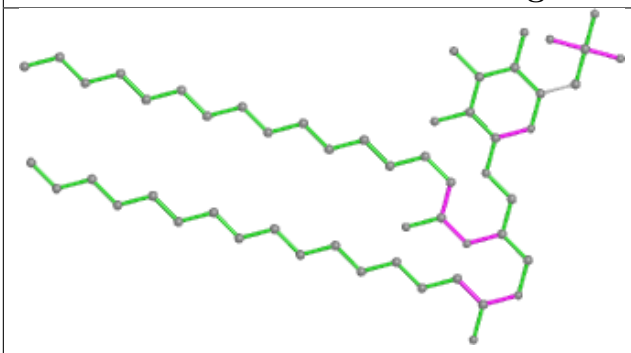


Rings

Ligand SQD n 801



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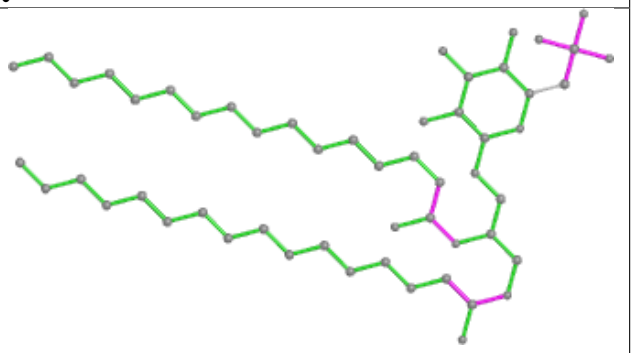
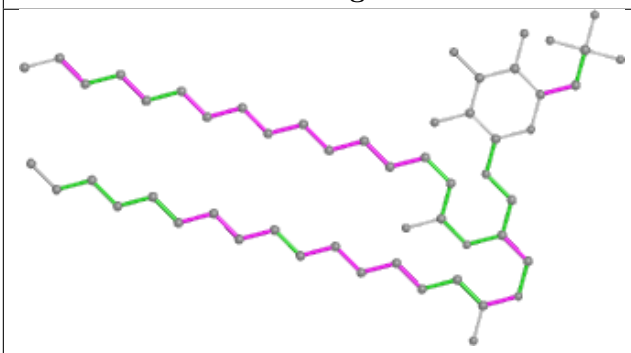


Bond angles



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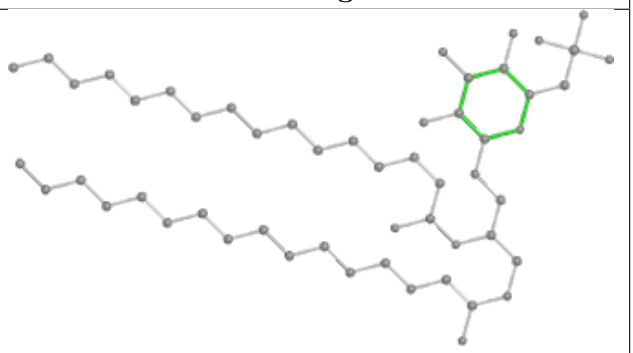
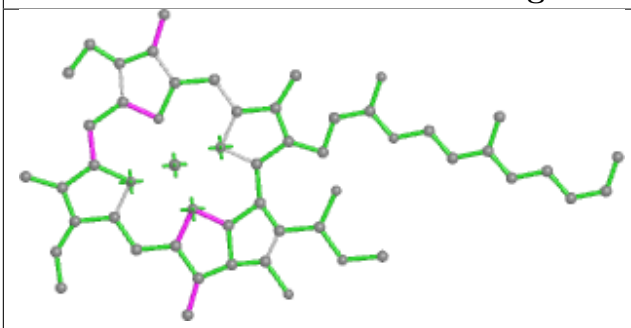
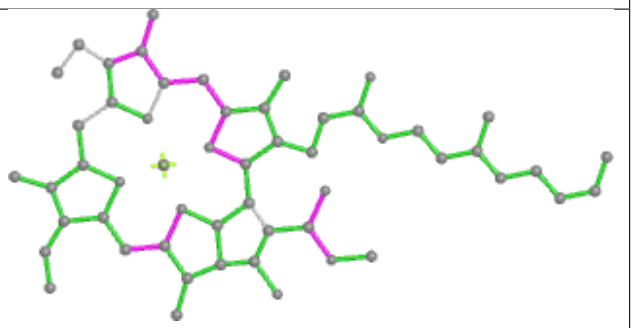


Rings

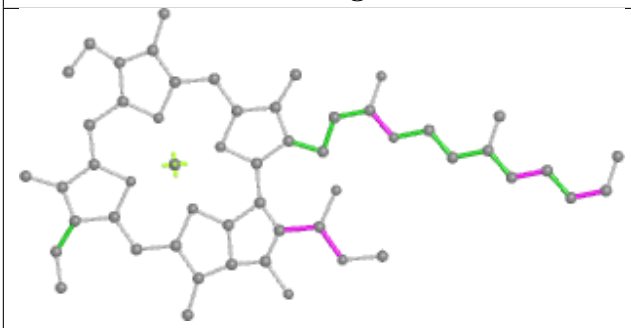
Ligand CLA n 830



Bond lengths



Bond angles



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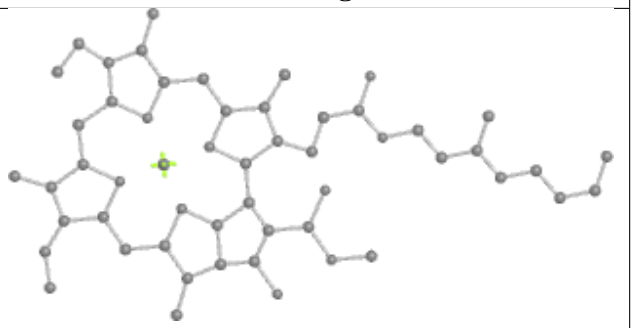
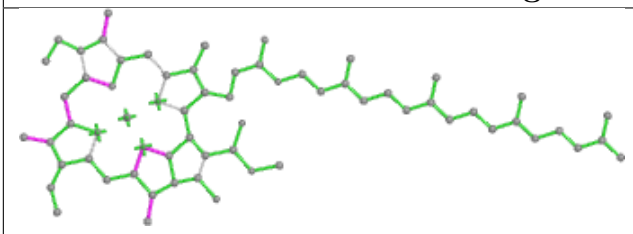


Rings

Ligand CLA N 826



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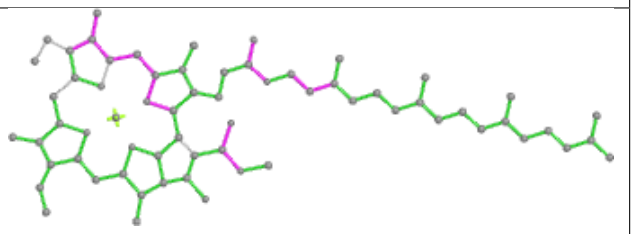
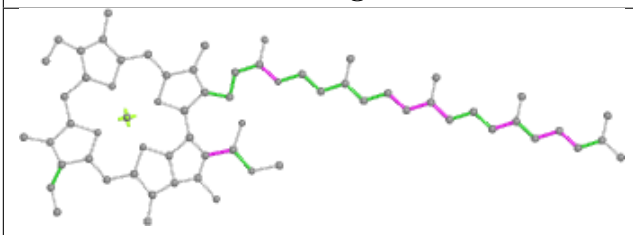


Bond angles



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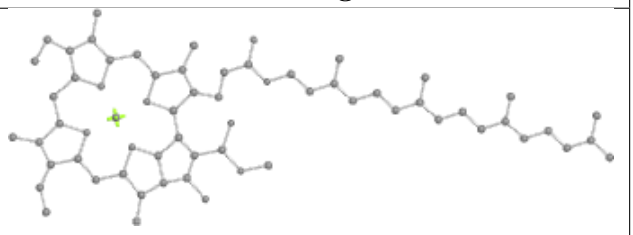
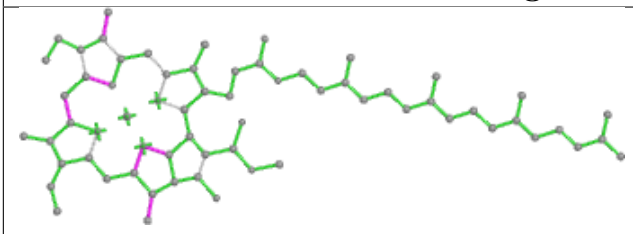


Rings

Ligand CLA A 828



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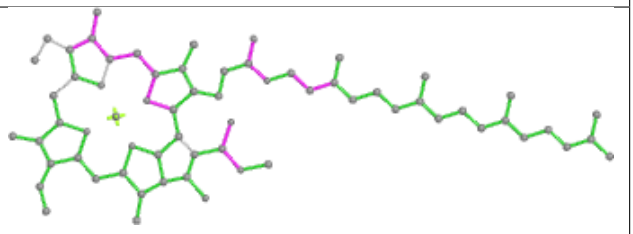
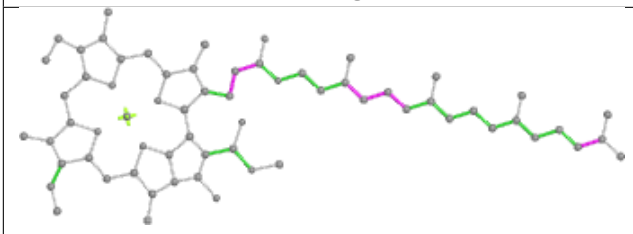
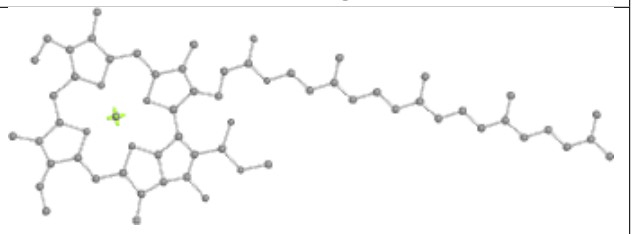


Bond angles

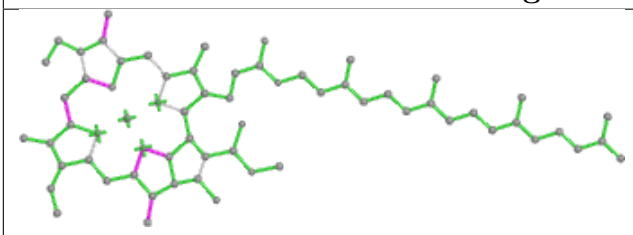


Torsions



Rings

Ligand CLA G 824



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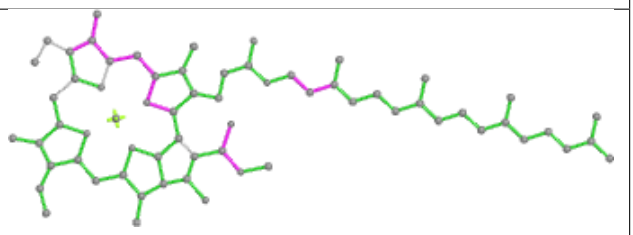
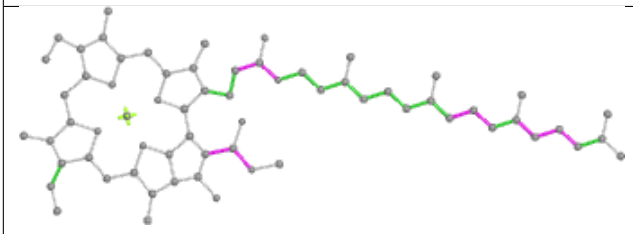


Bond angles



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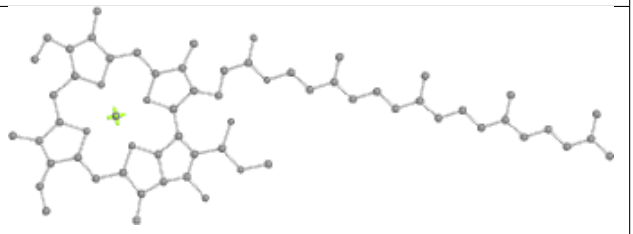
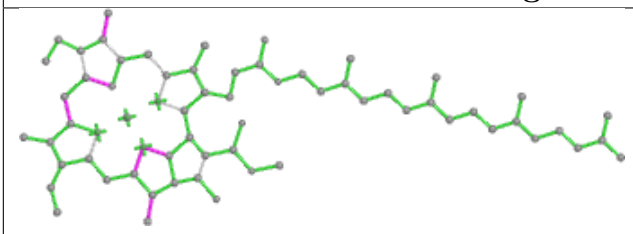


Rings

Ligand CLA G 838



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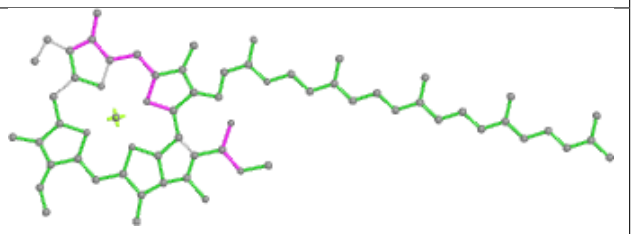
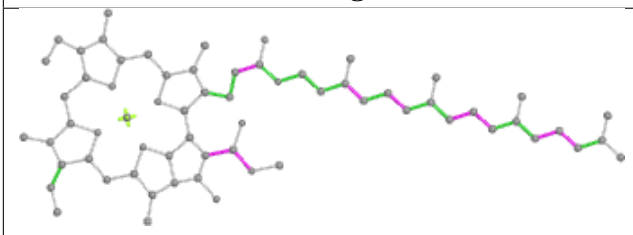


Bond angles



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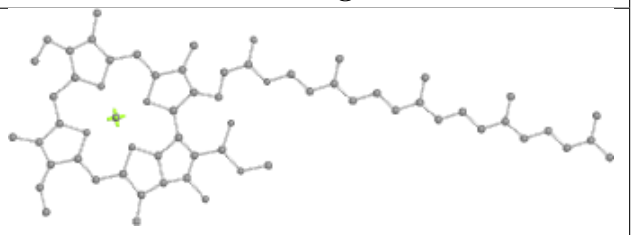
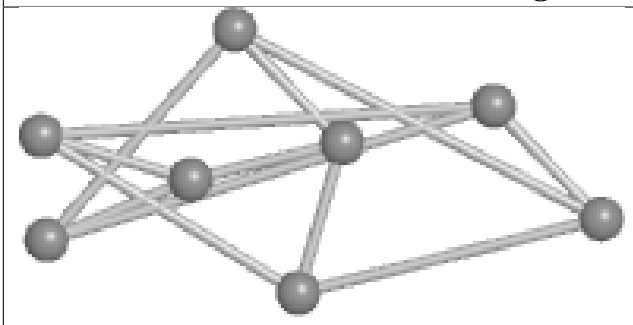


Rings

Ligand SF4 P 101



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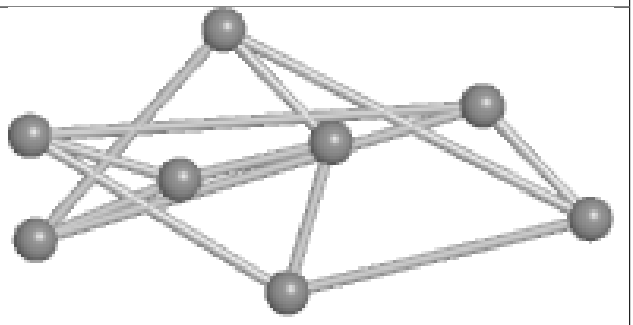
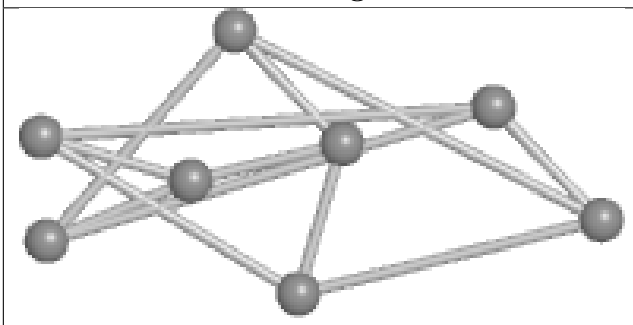
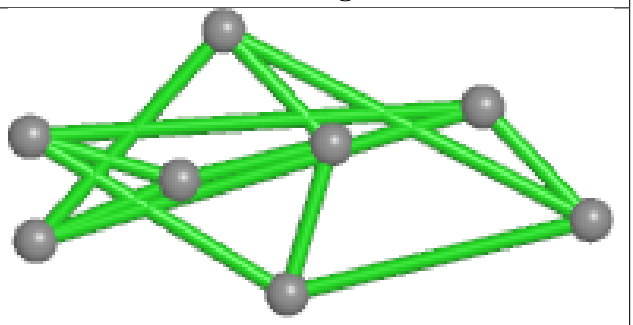


Bond angles

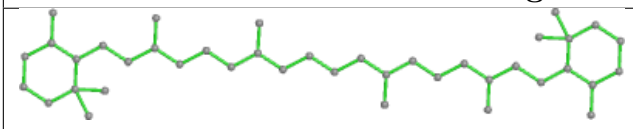


Torsions

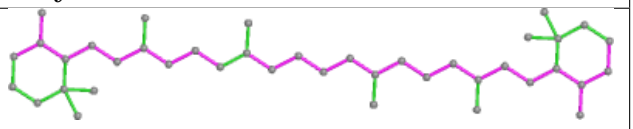


Rings

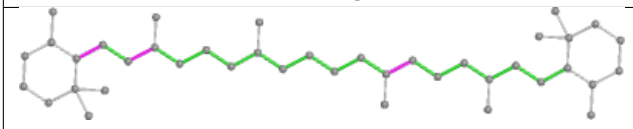
Ligand BCR y 101



Bond lengths



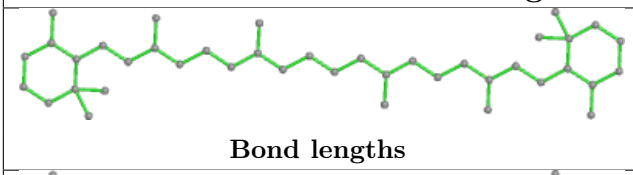
Bond angles



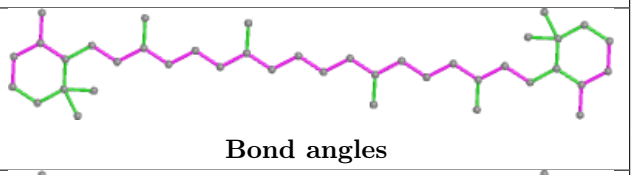
Torsions

Rings

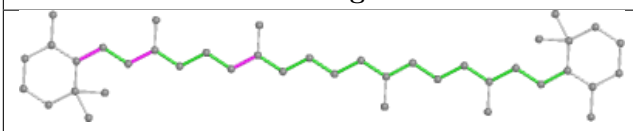
Ligand BCR b 850



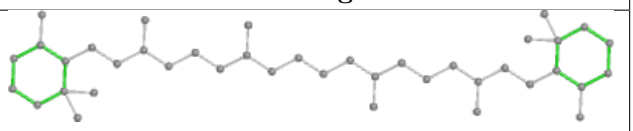
Bond lengths



Bond angles

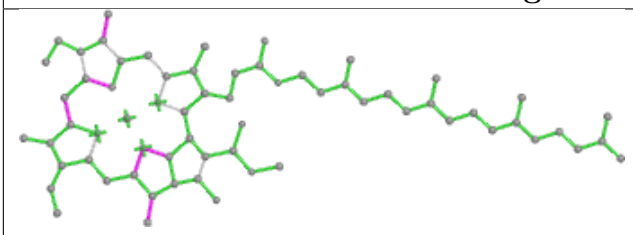


Torsions

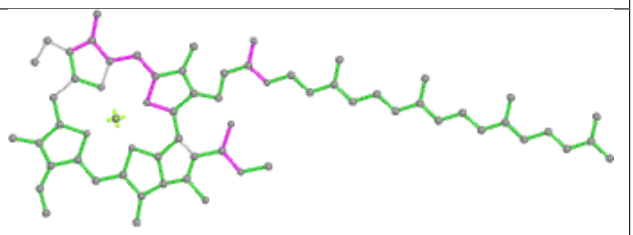


Rings

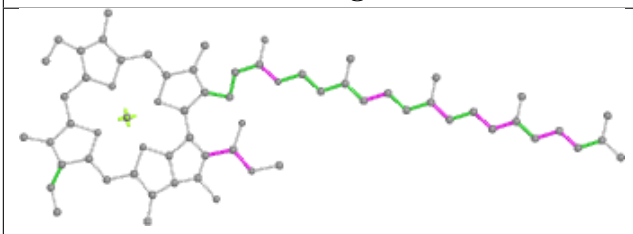
Ligand CLA A 838



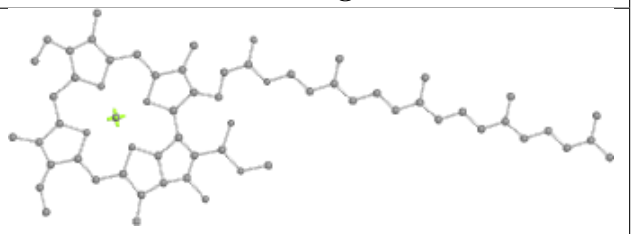
Bond lengths



Bond angles

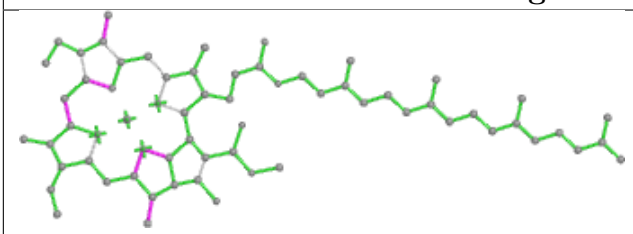


Torsions

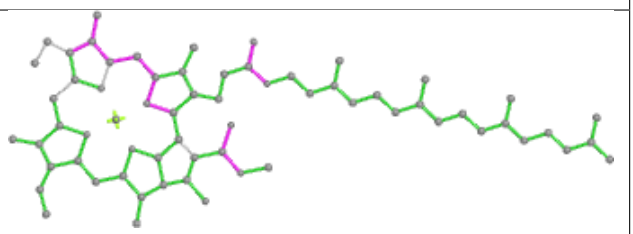


Rings

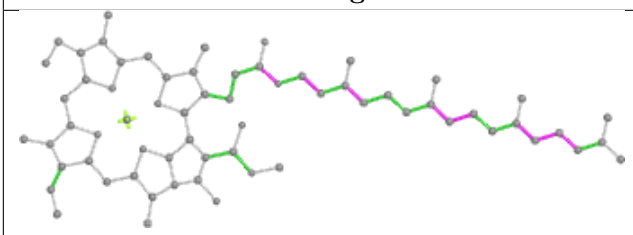
Ligand CLA a 823



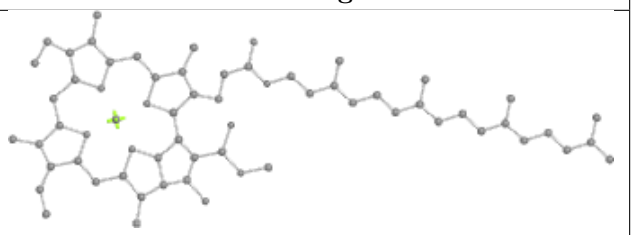
Bond lengths



Bond angles

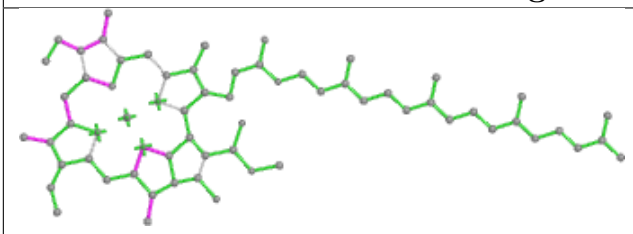


Torsions

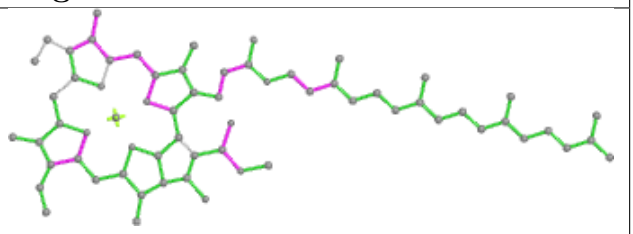


Rings

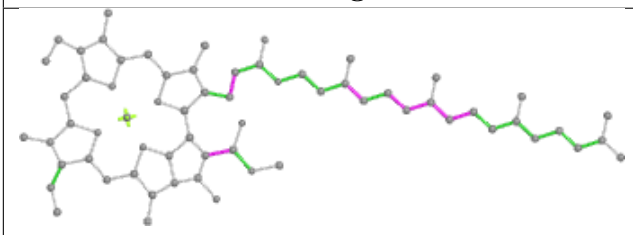
Ligand CLA g 852



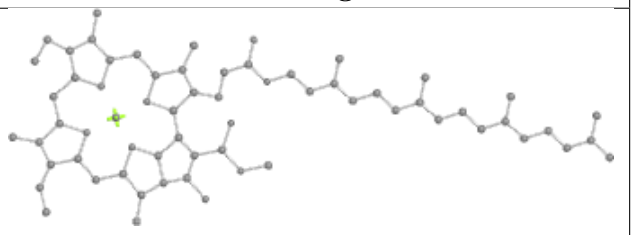
Bond lengths



Bond angles

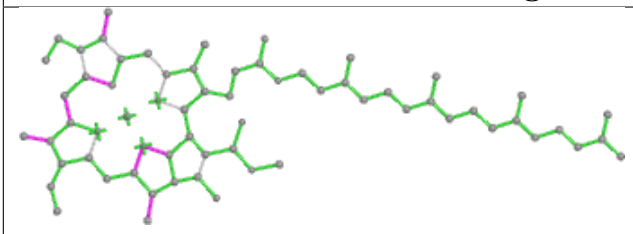


Torsions

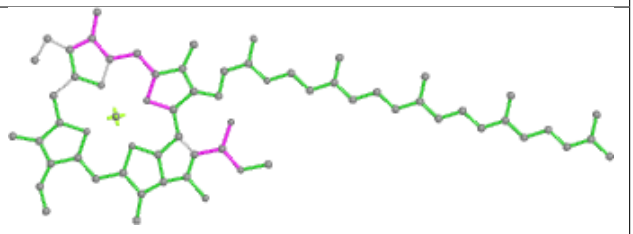


Rings

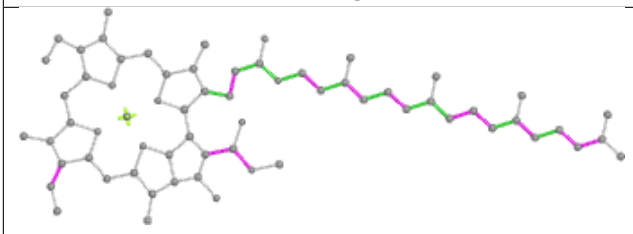
Ligand CLA N 804



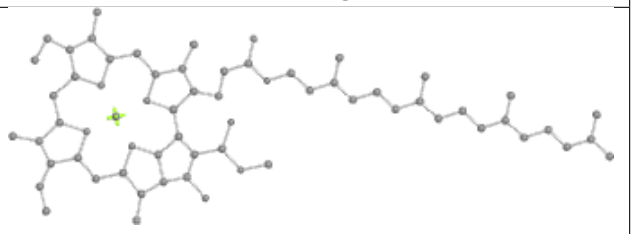
Bond lengths



Bond angles

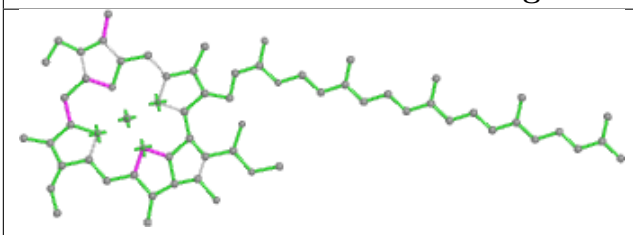


Torsions

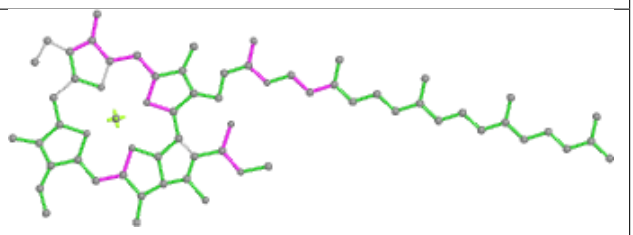


Rings

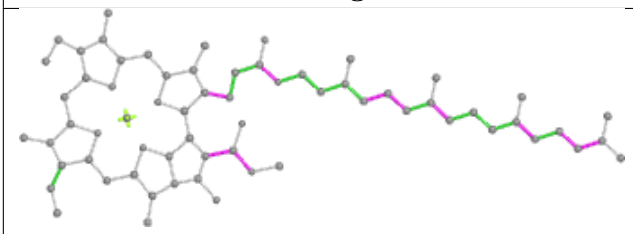
Ligand CLA G 805



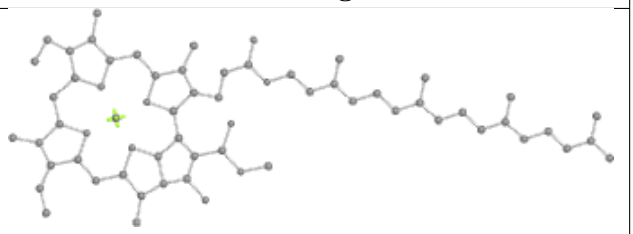
Bond lengths



Bond angles

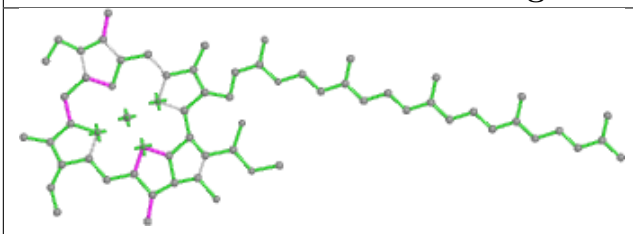


Torsions



Rings

Ligand CLA n 802



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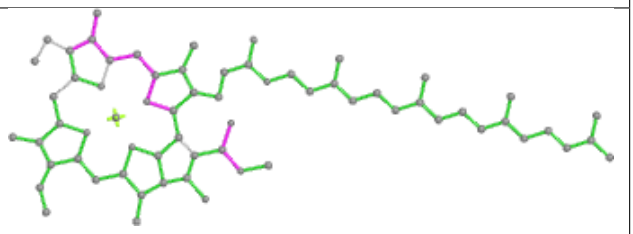
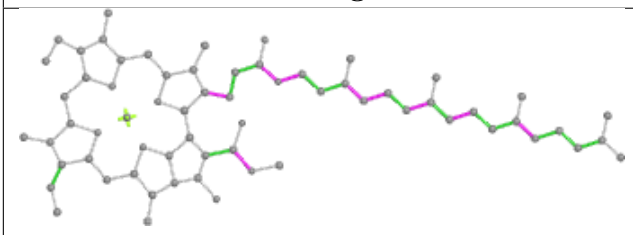


Bond angles



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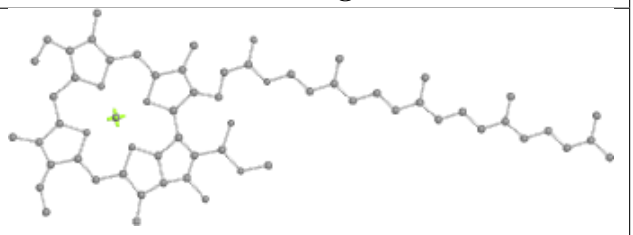
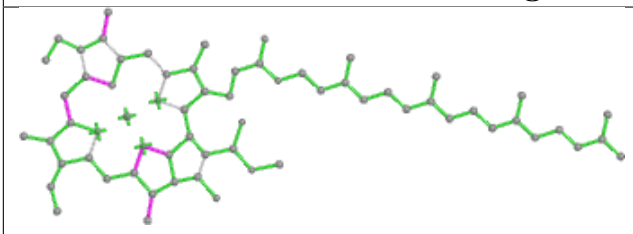
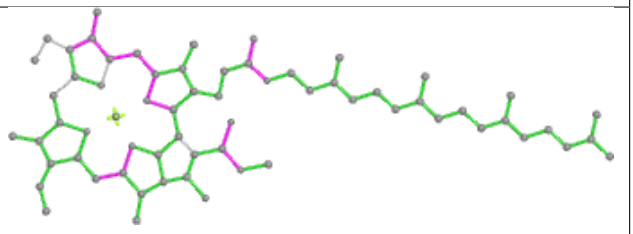


Rings

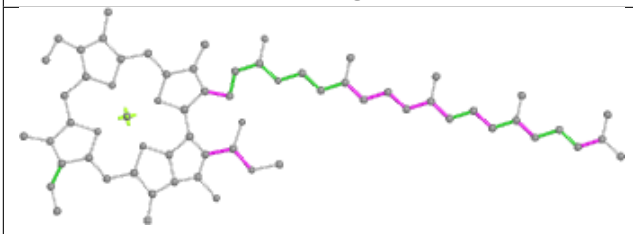
Ligand CLA A 805



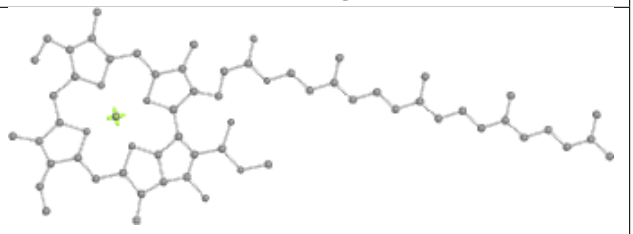
Bond lengths



Bond angles

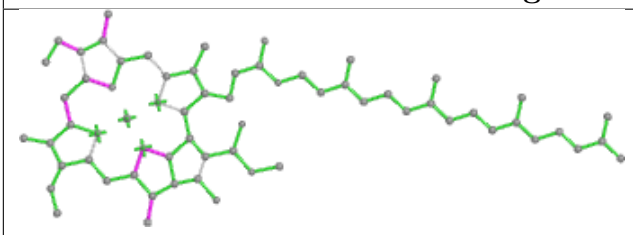


Torsions



Rings

Ligand CLA N 819



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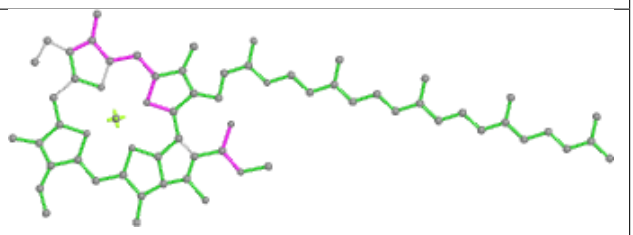
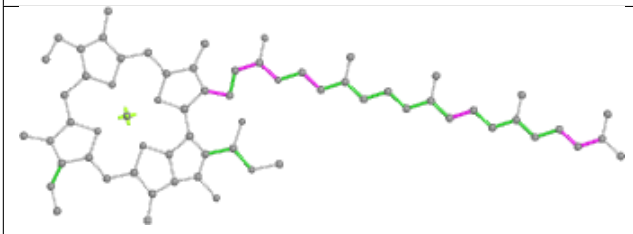


Bond angles



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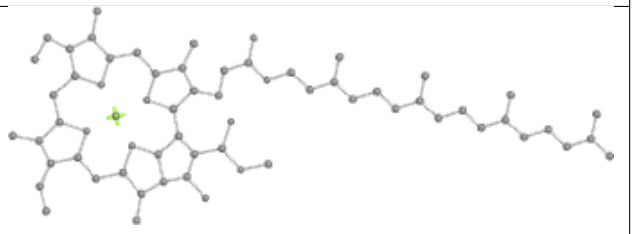
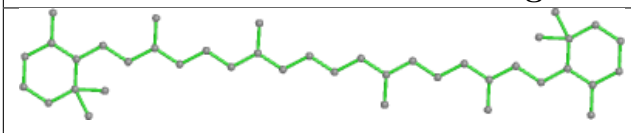
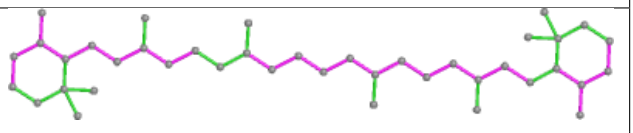


Rings

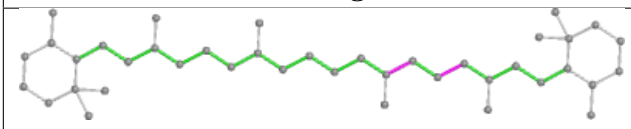
Ligand BCR n 849



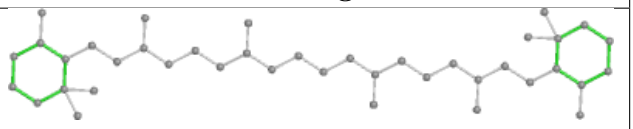
Bond lengths



Bond angles

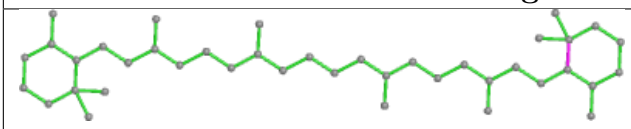


Torsions



Rings

Ligand BCR N 853



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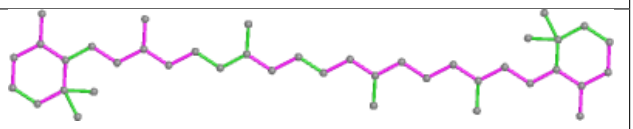
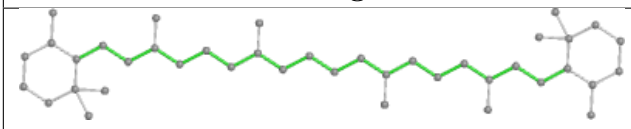


Bond angles



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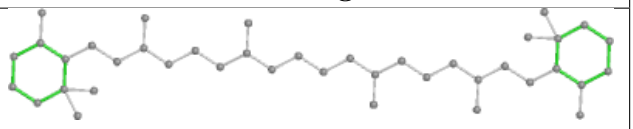
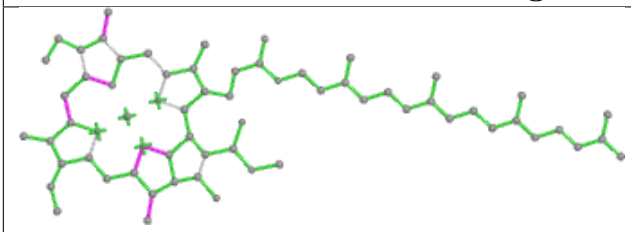


Rings

Ligand CLA b 814



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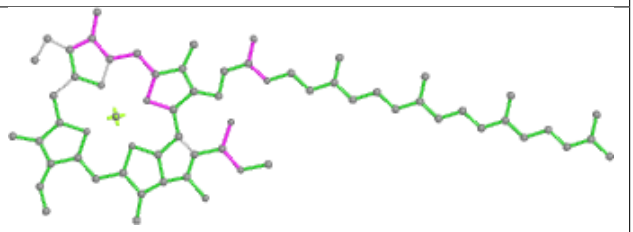
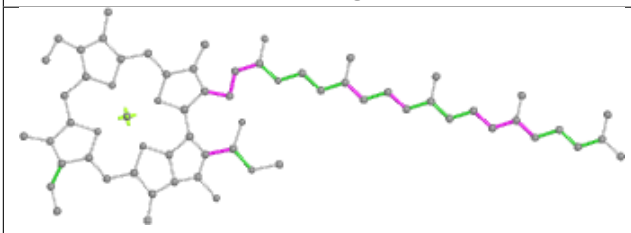


Bond angles



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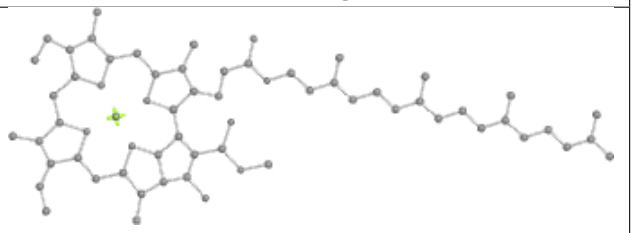
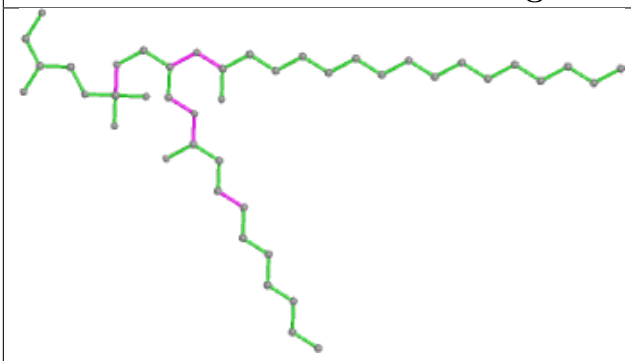
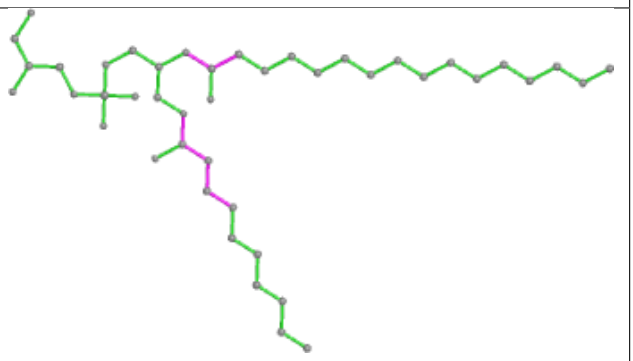


Rings

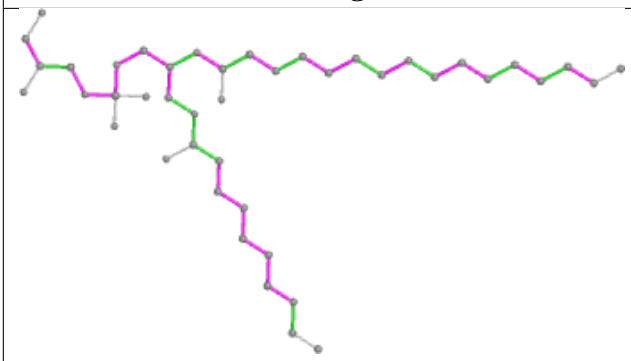
Ligand LHG v 102



Bond lengths



Bond angles



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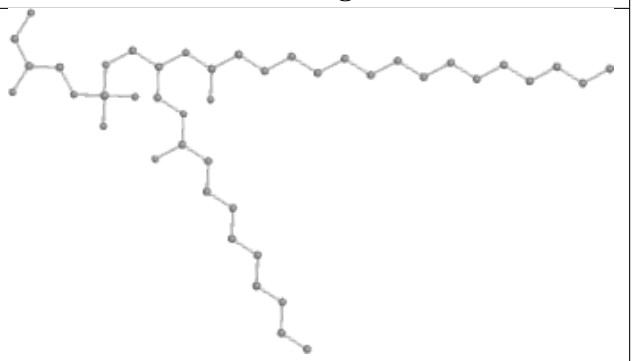
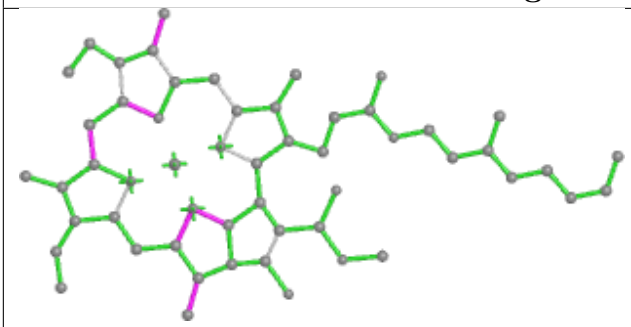
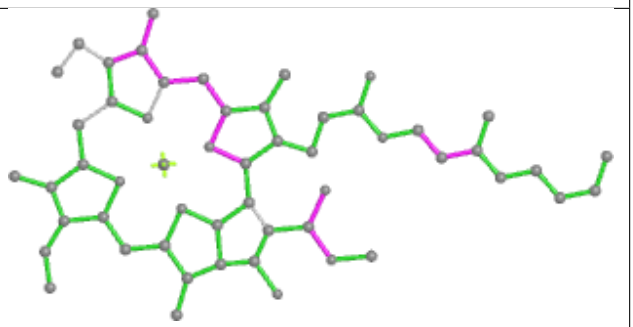


Rings

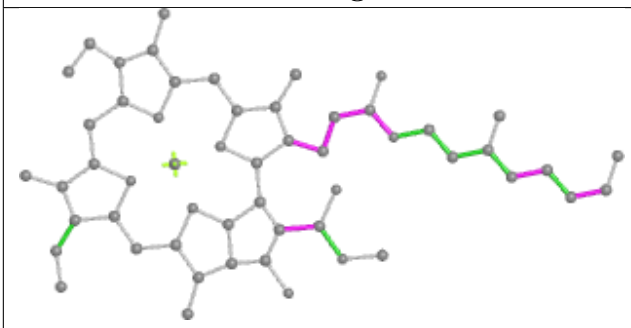
Ligand CLA B 813



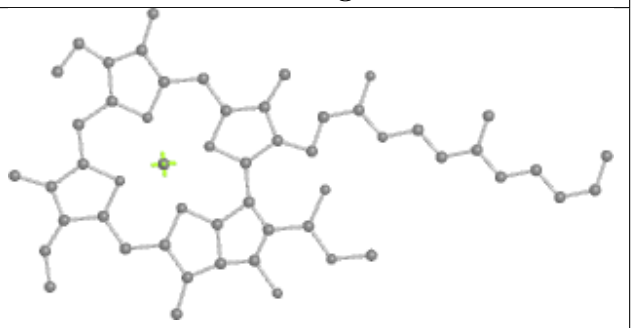
Bond lengths



Bond angles

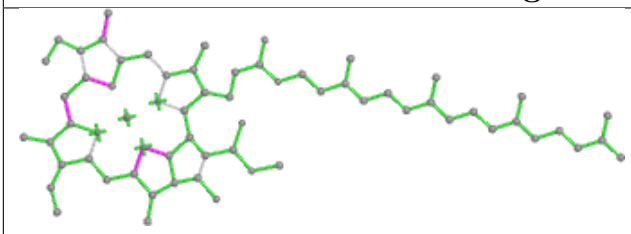


Torsions

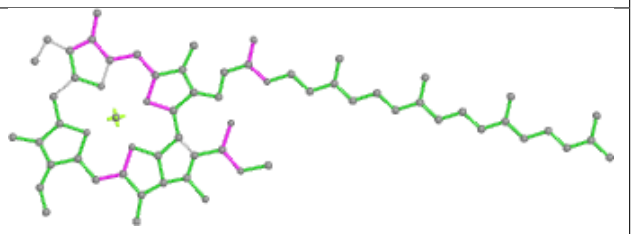


Rings

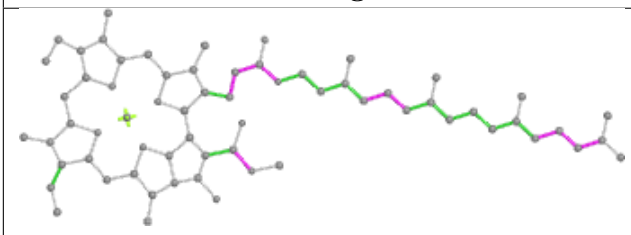
Ligand CLA N 842



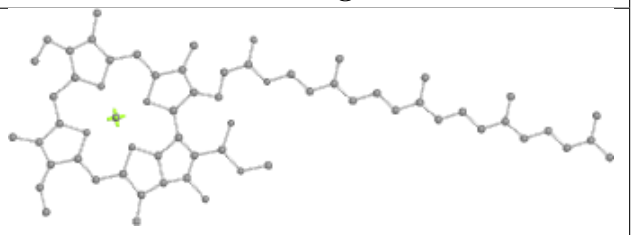
Bond lengths



Bond angles

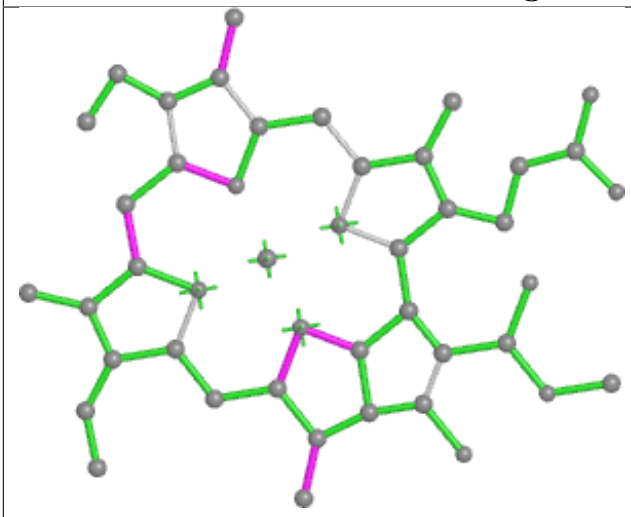


Torsions

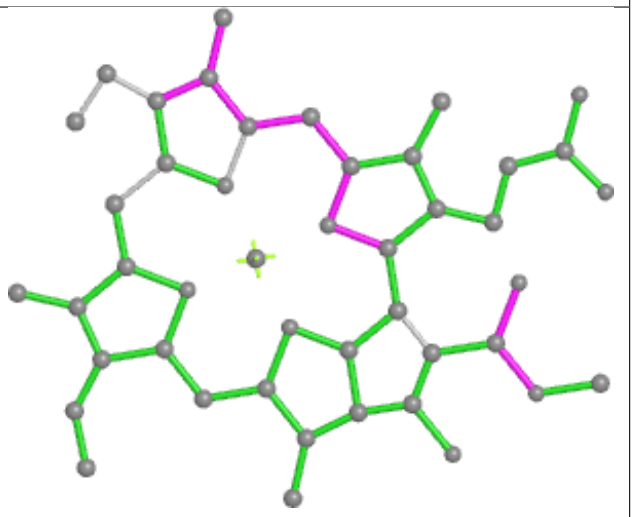


Rings

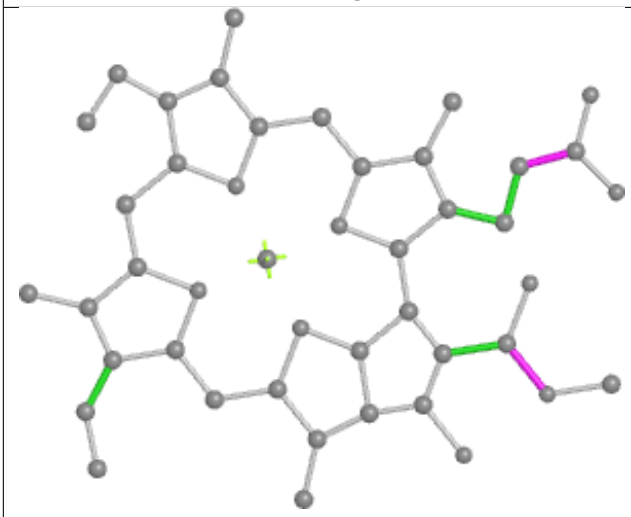
Ligand CLA G 809



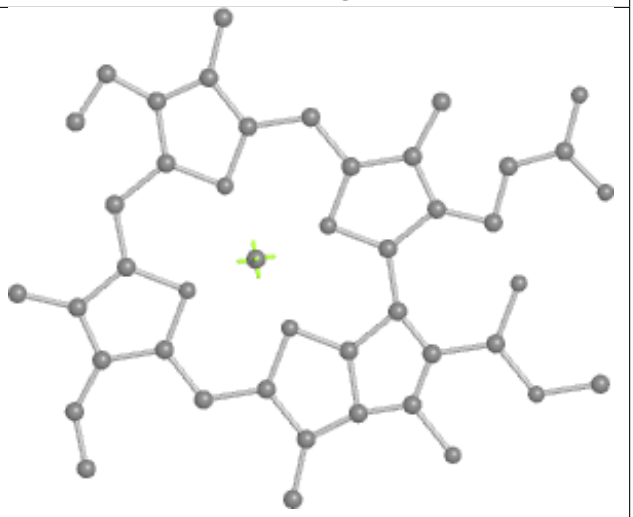
Bond lengths



Bond angles

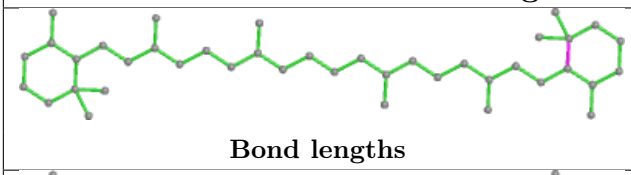


Torsions

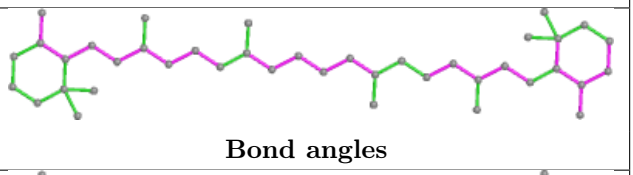


Rings

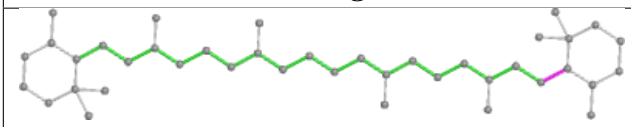
Ligand BCR G 847



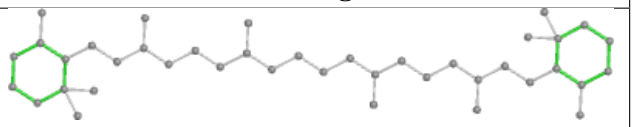
Bond lengths



Bond angles

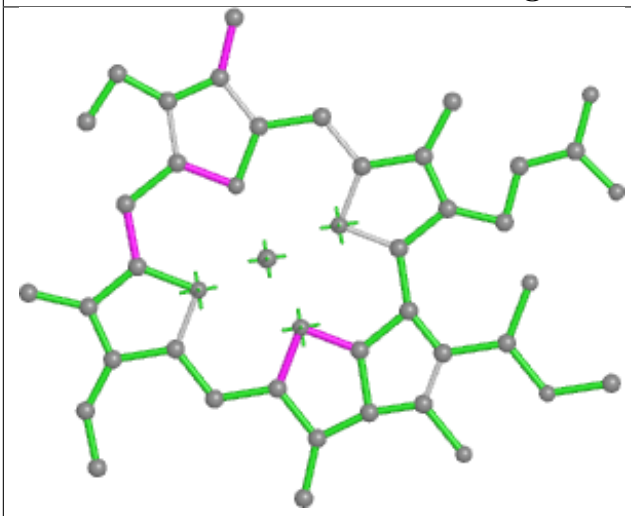


Torsions

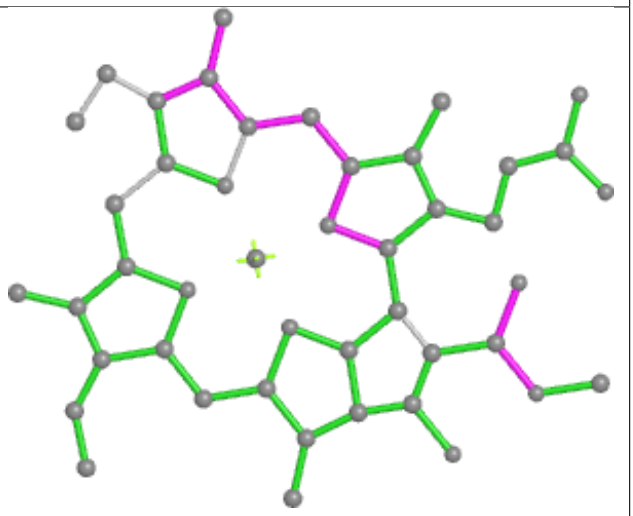


Rings

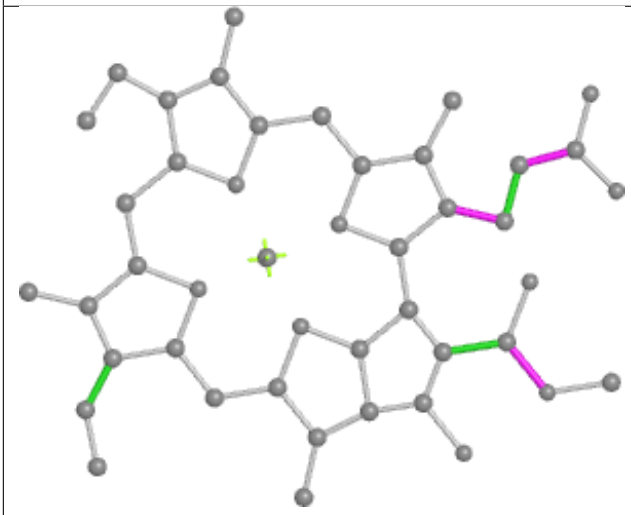
Ligand CLA A 814



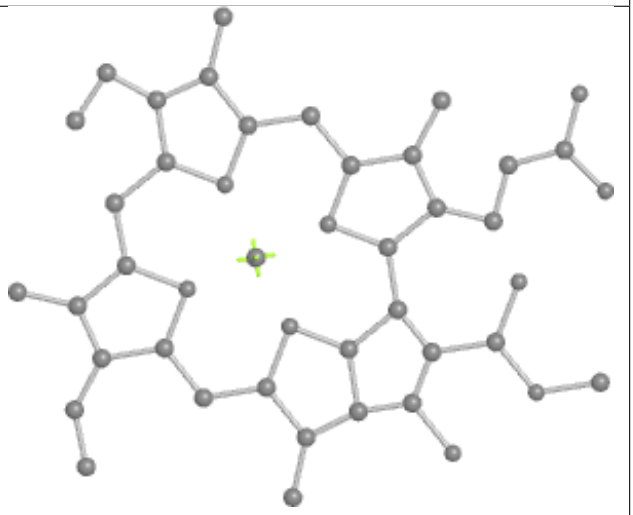
Bond lengths



Bond angles

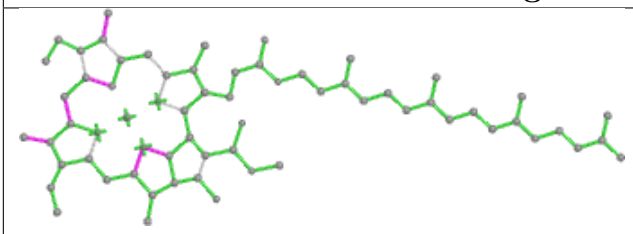


Torsions



Rings

Ligand CLA A 826



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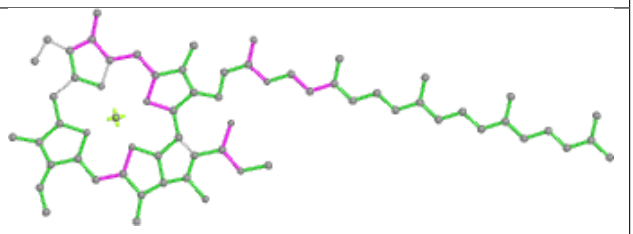
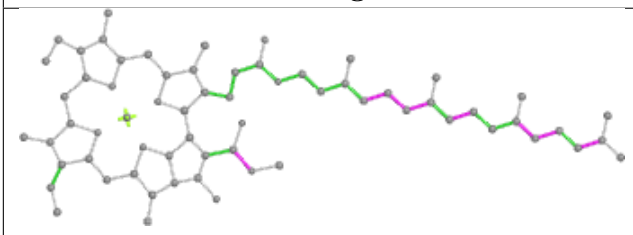
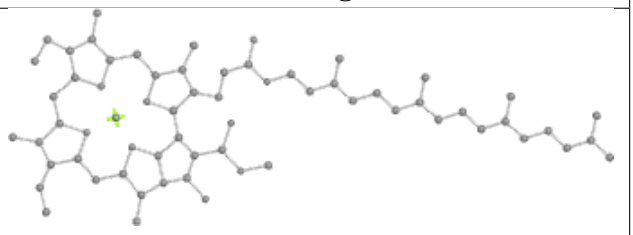


Bond angles

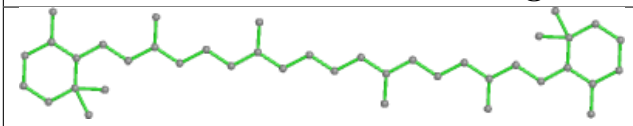


Torsions



Rings

Ligand BCR n 846



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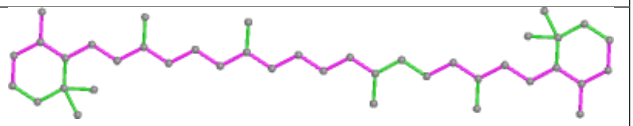
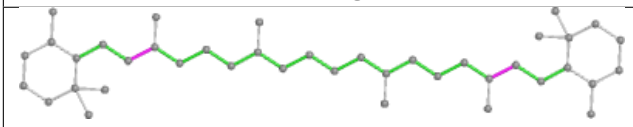


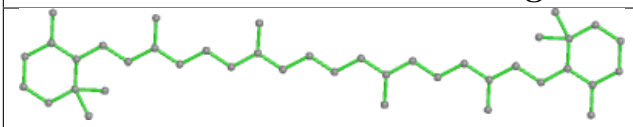
Bond angles



Torsions

Rings

Ligand BCR n 843



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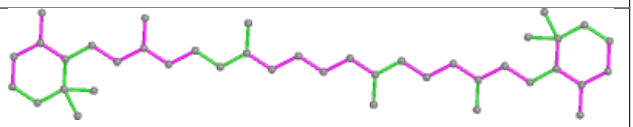
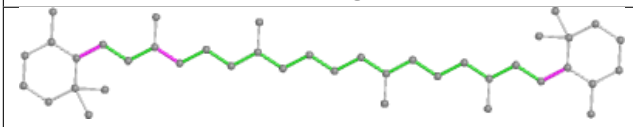


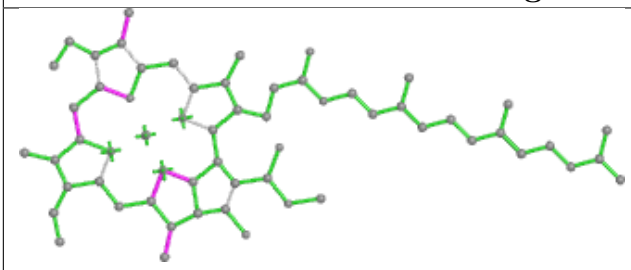
Bond angles



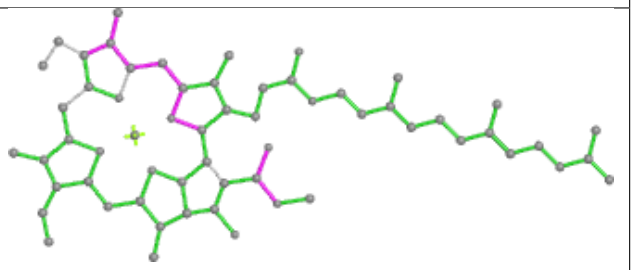
Torsions

Rings

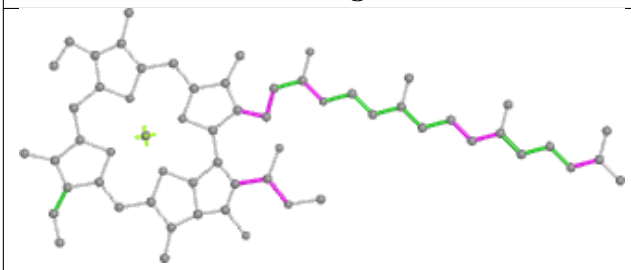
Ligand CLA B 832



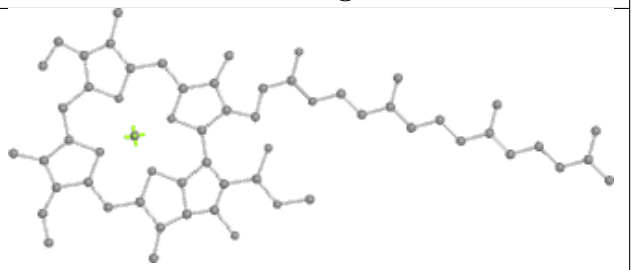
Bond lengths



Bond angles

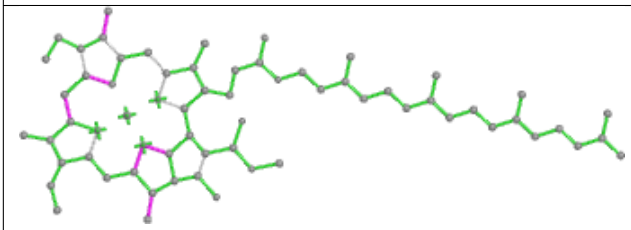


Torsions



Rings

Ligand CLA N 810



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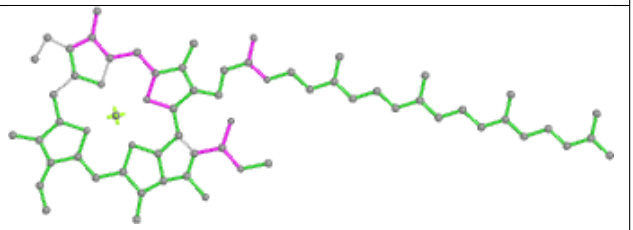
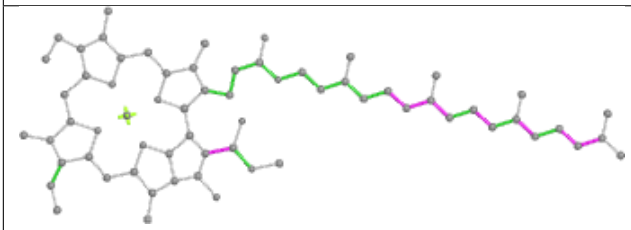
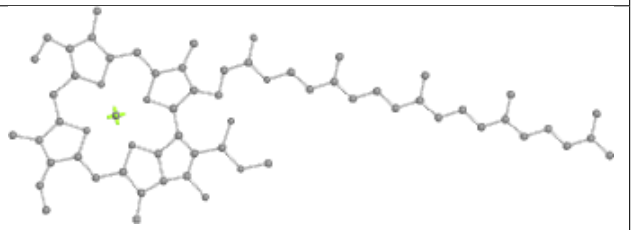


Bond angles

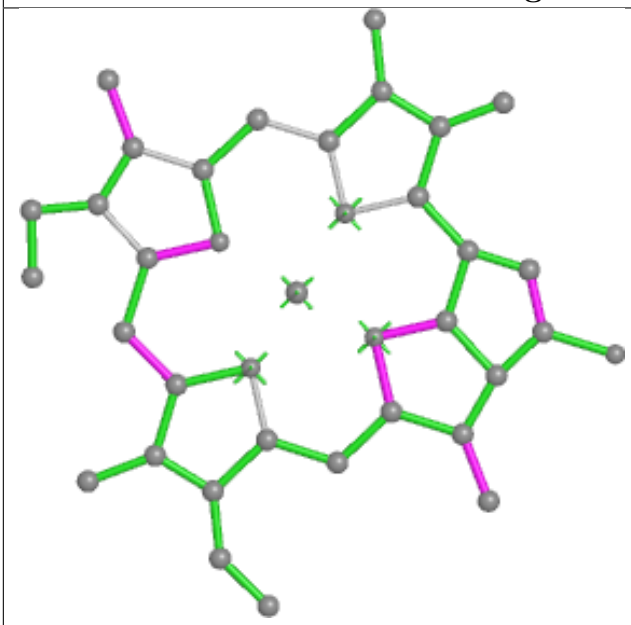


Torsions

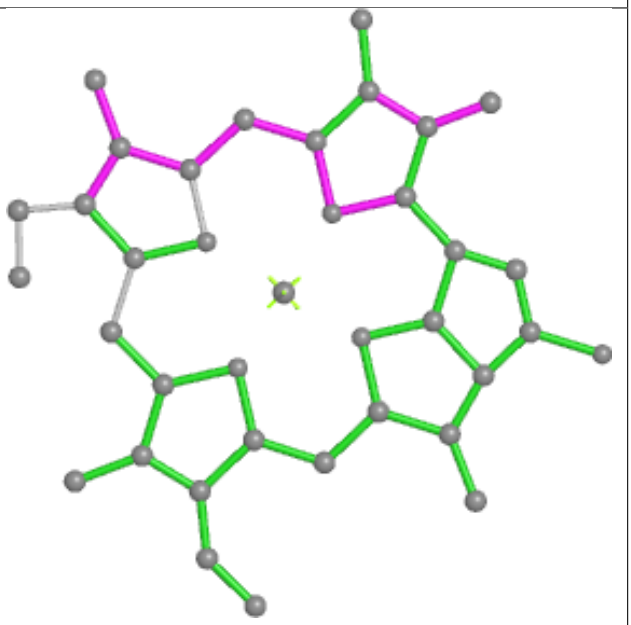


Rings

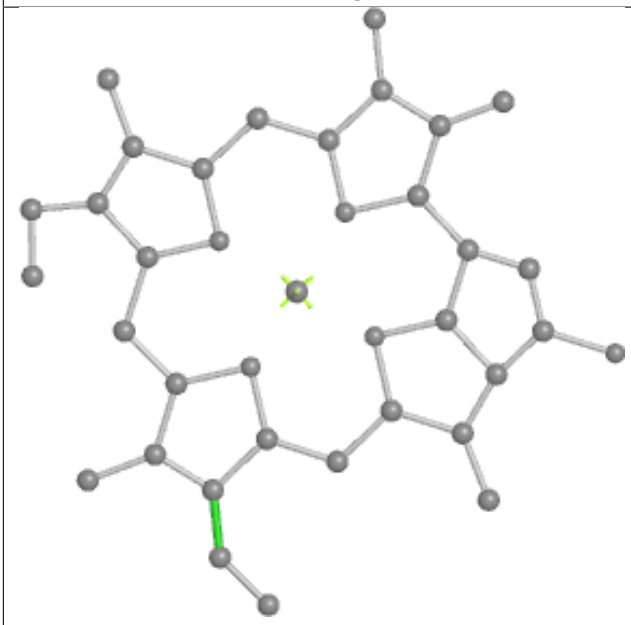
Ligand CLA T 102



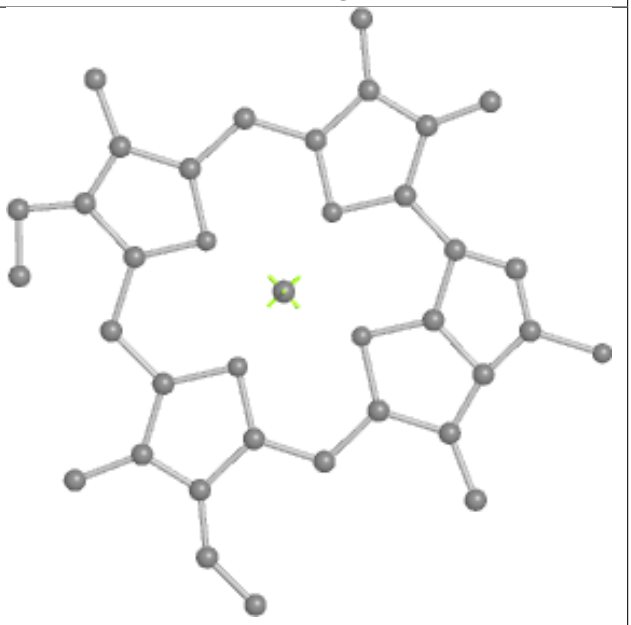
Bond lengths



Bond angles

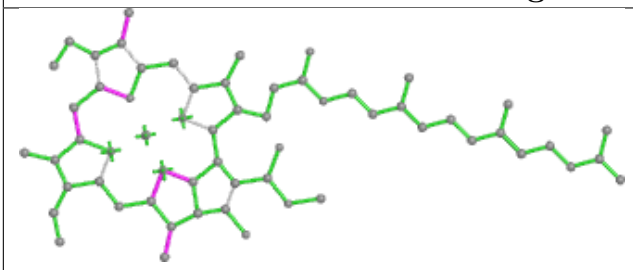


Torsions



Rings

Ligand CLA b 811



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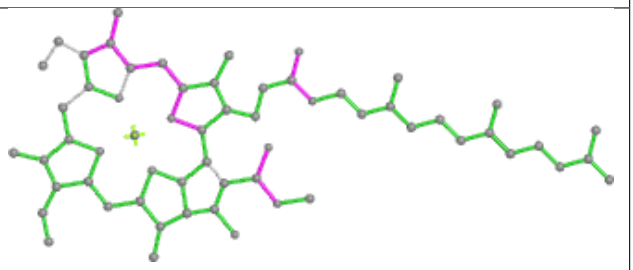
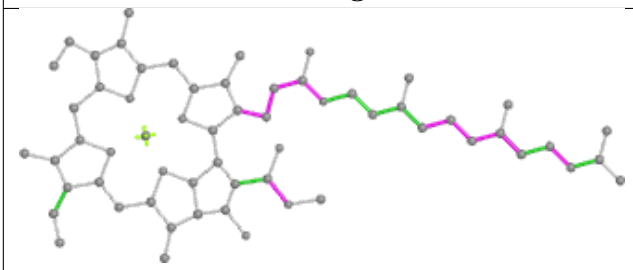
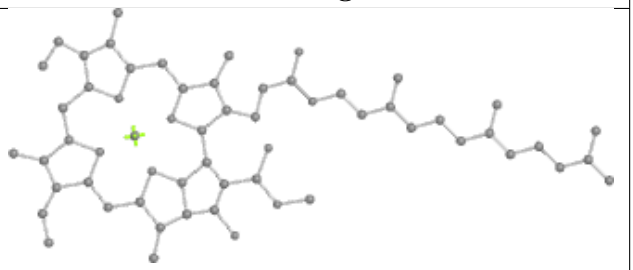


Bond angles

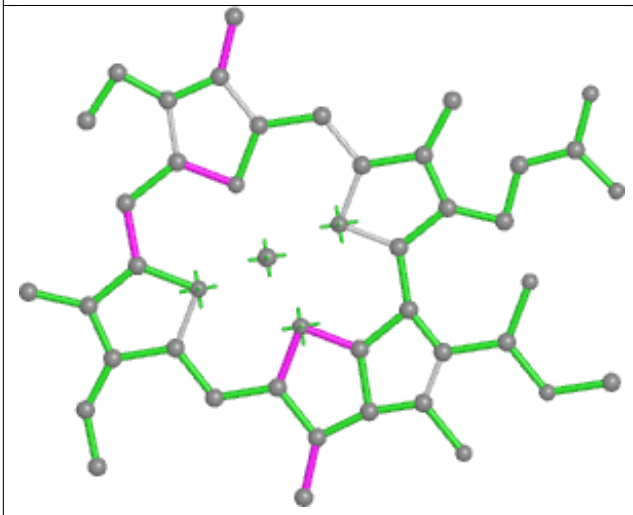


Torsions



Rings

Ligand CLA B 836



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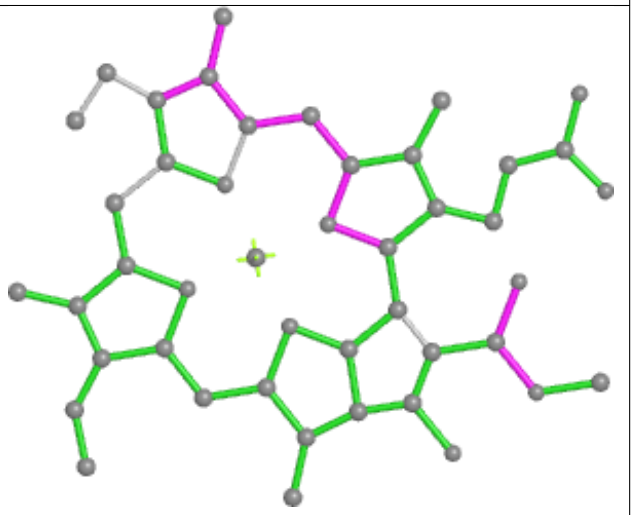
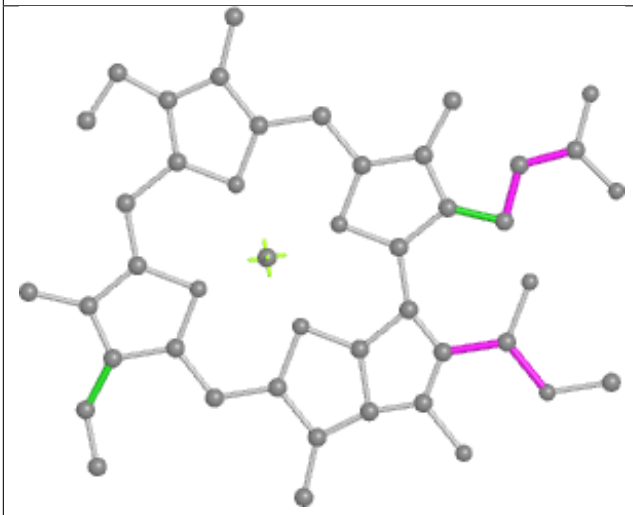
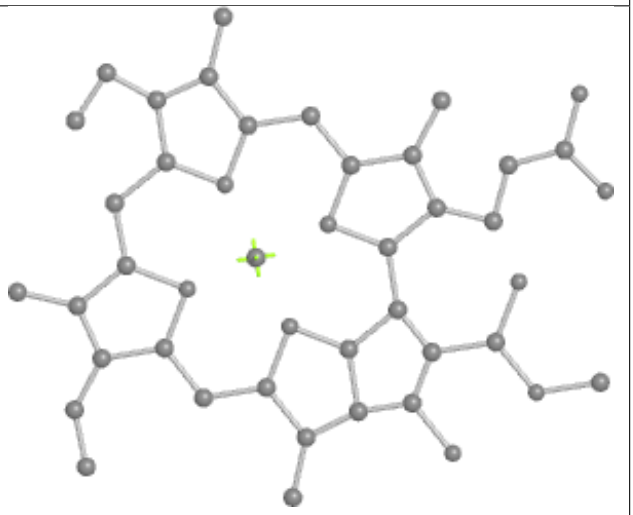


Bond angles

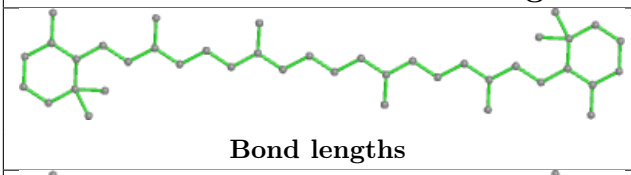


Torsions



Rings

Ligand BCR k 102



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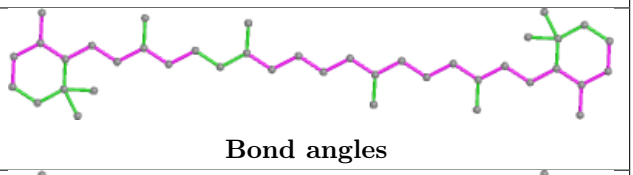
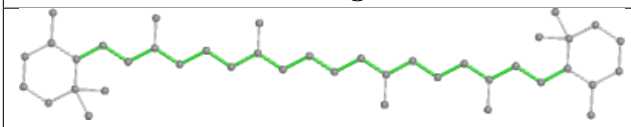
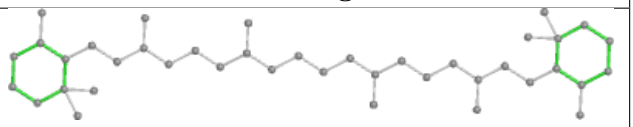


Bond angles

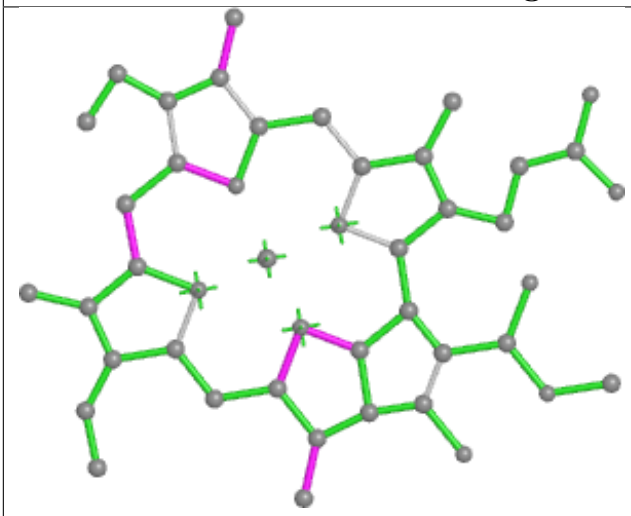


Torsions

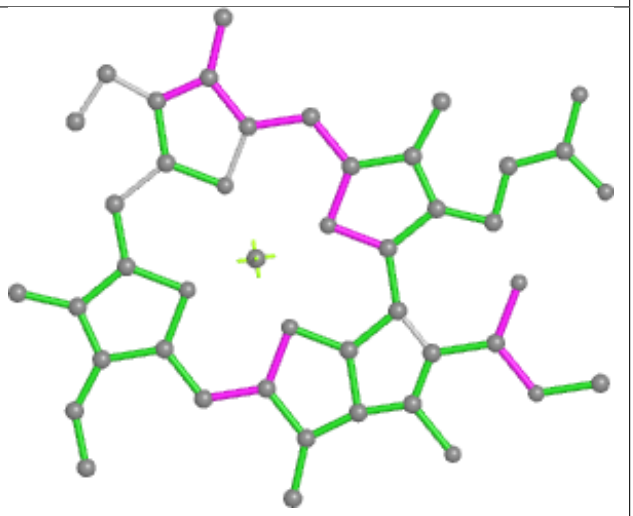


Rings

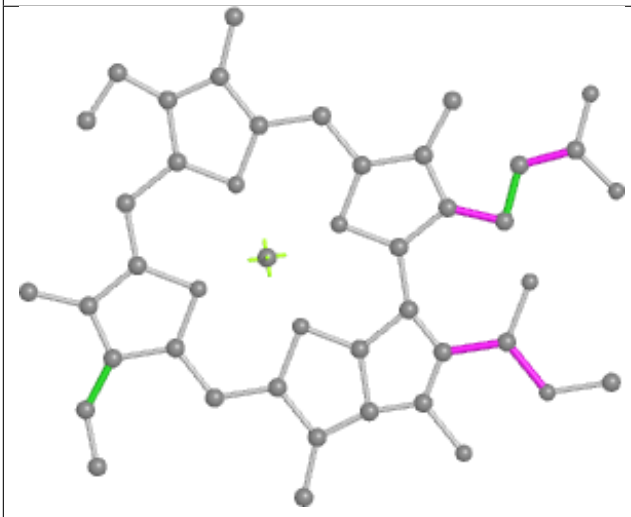
Ligand CLA G 823



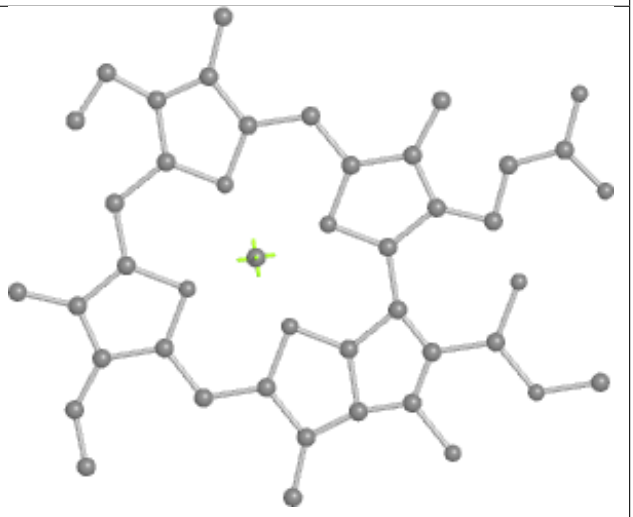
Bond lengths



Bond angles

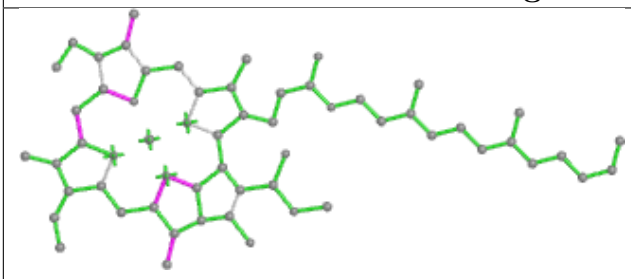


Torsions

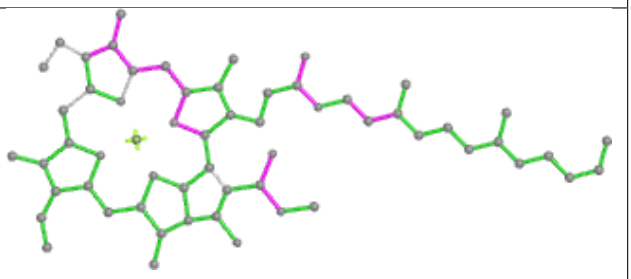


Rings

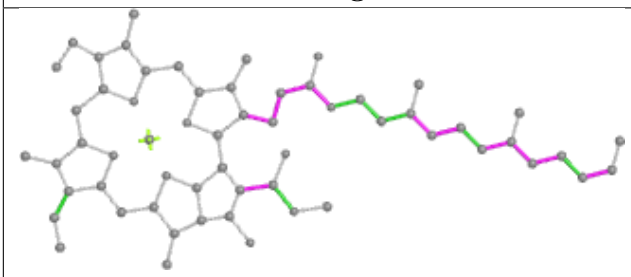
Ligand CLA A 811



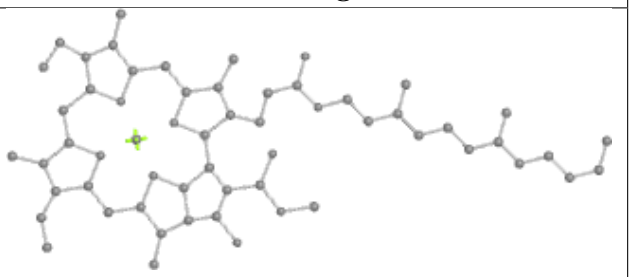
Bond lengths



Bond angles

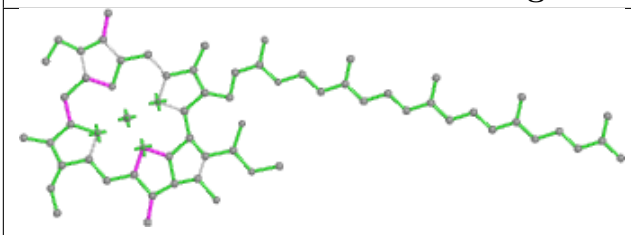


Torsions

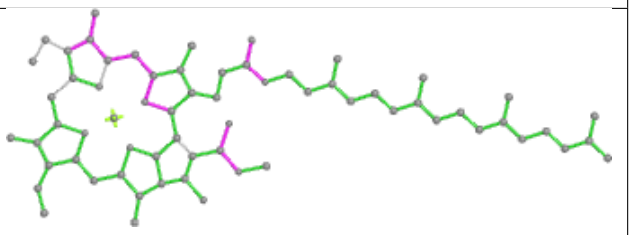


Rings

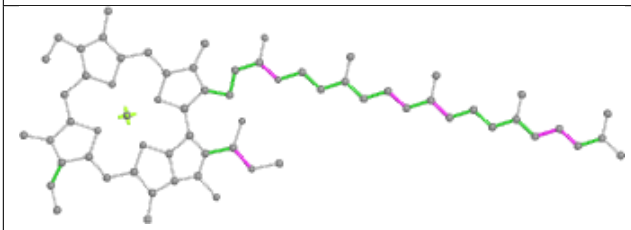
Ligand CLA n 824



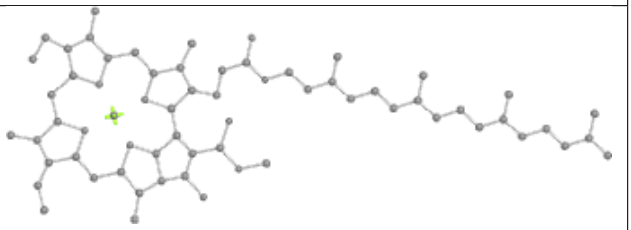
Bond lengths



Bond angles

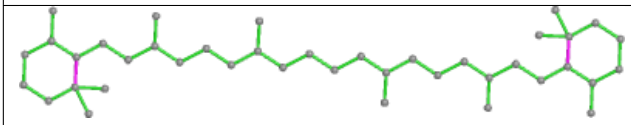


Torsions



Rings

Ligand BCR g 847



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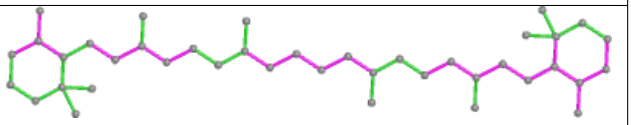
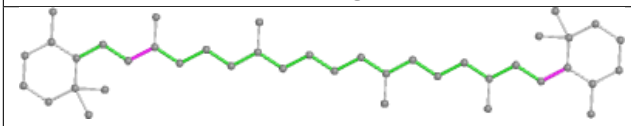


Bond angles



Torsions

Rings

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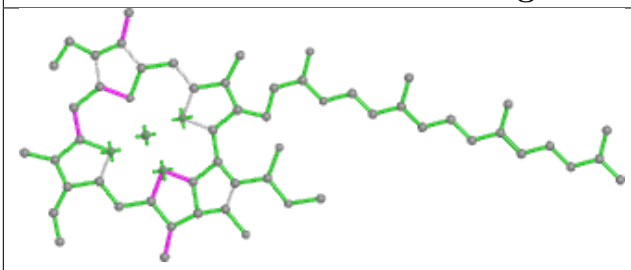
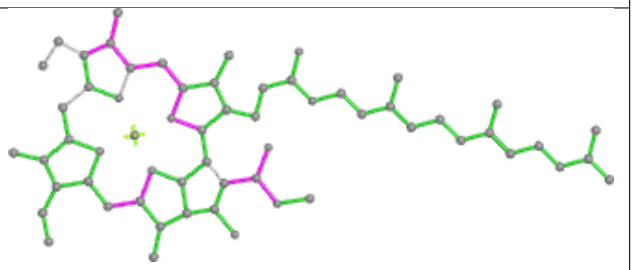
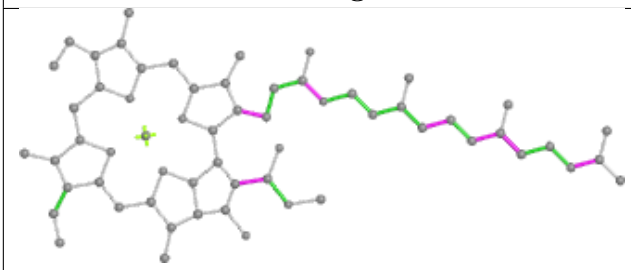
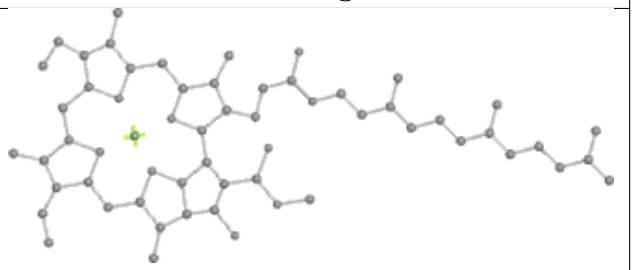
	
Bond lengths	Bond angles
	
Torsions	Rings

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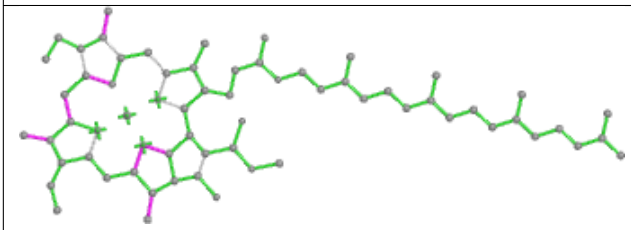
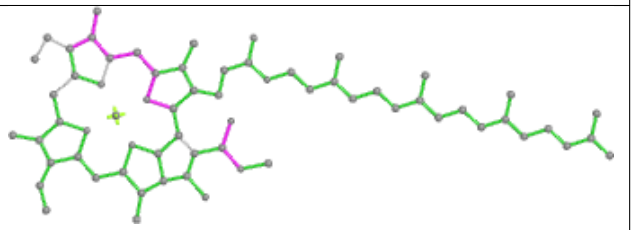
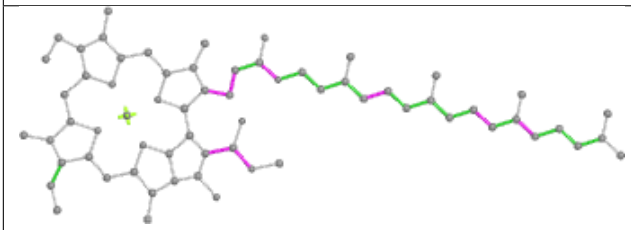
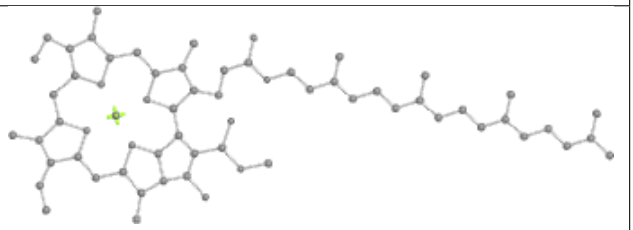
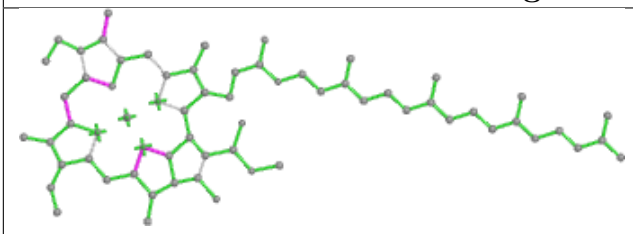
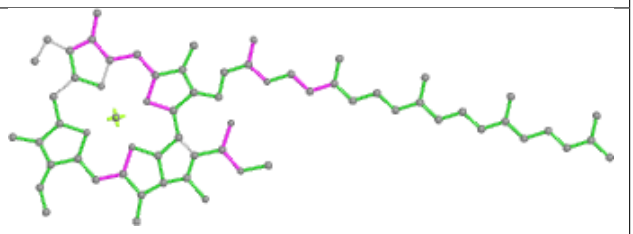
	
Bond lengths	Bond angles
	
Torsions	Rings

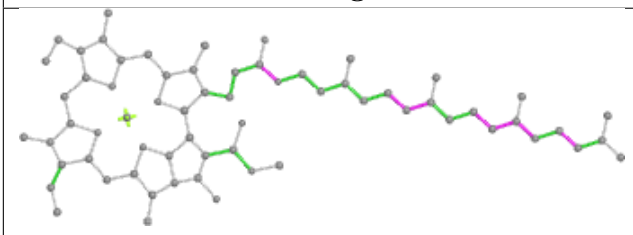
Ligand CLA N 808



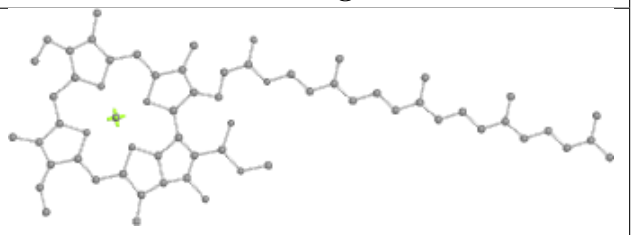
Bond lengths



Bond angles

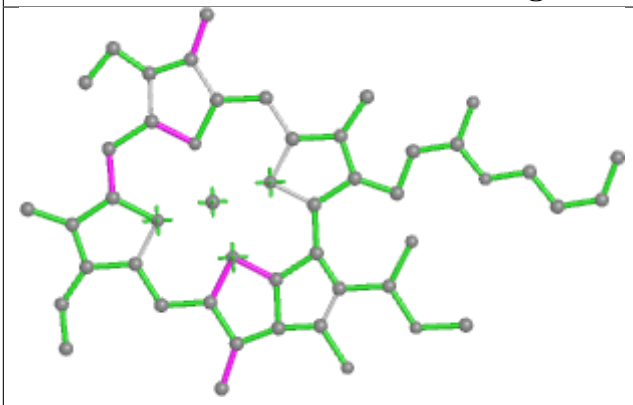


Torsions



Rings

Ligand CLA b 816



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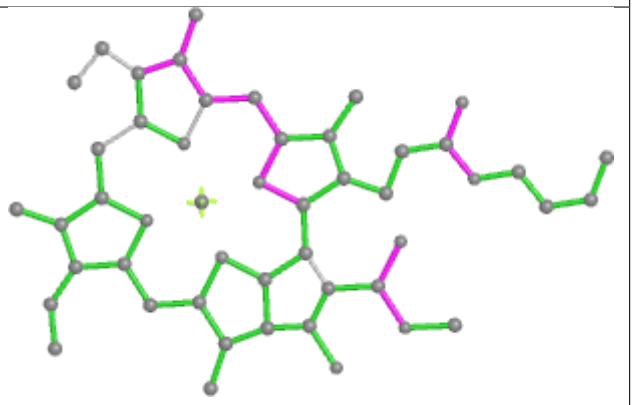
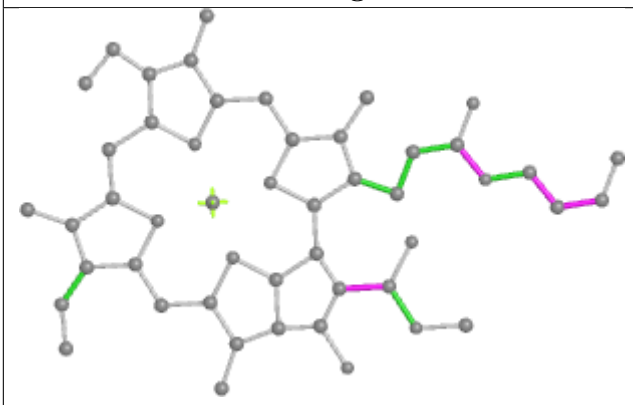


Bond angles



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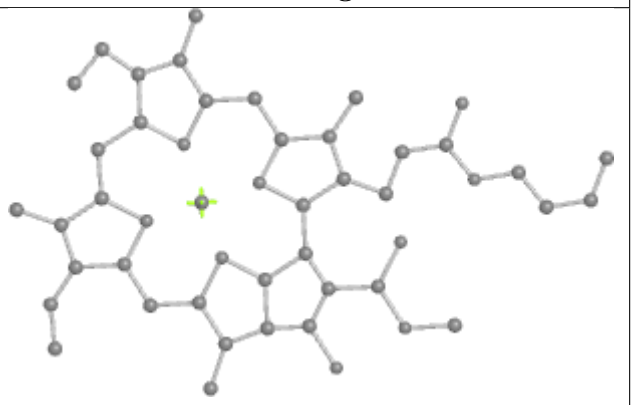
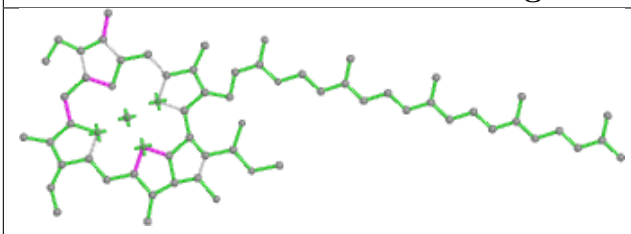
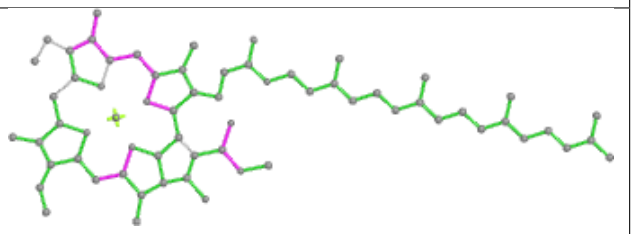


Rings

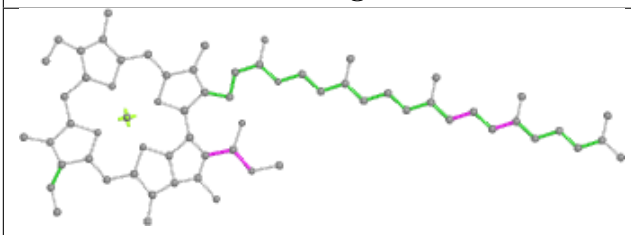
Ligand CLA B 820



Bond lengths



Bond angles



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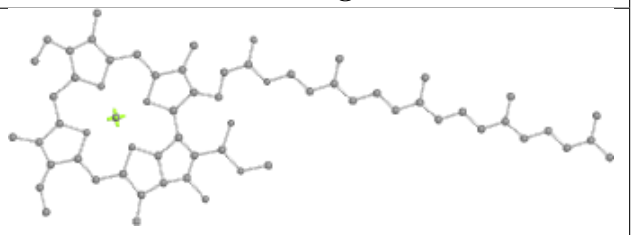
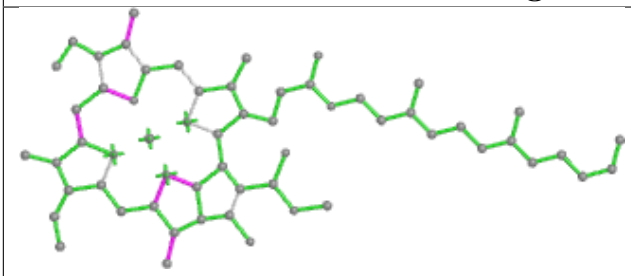


Rings

Ligand CLA F 201



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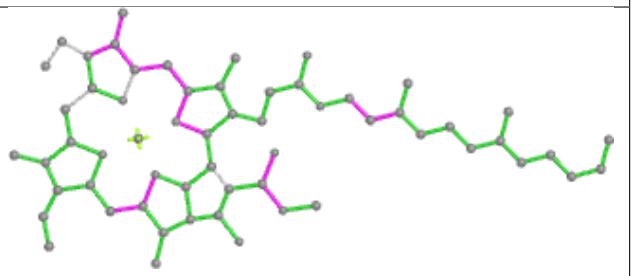
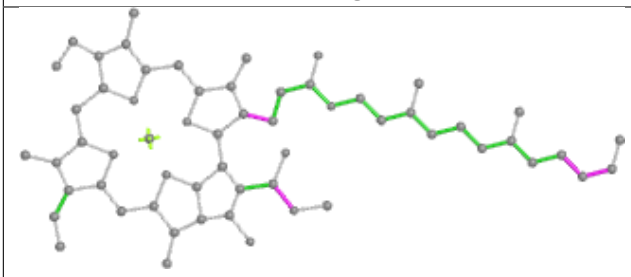


Bond angles



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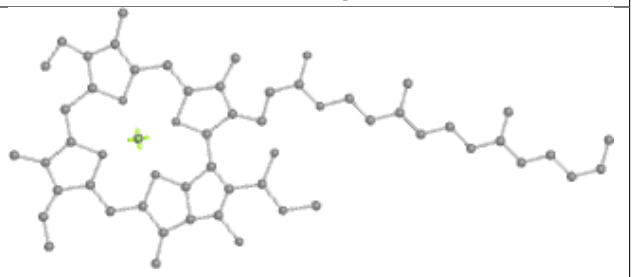
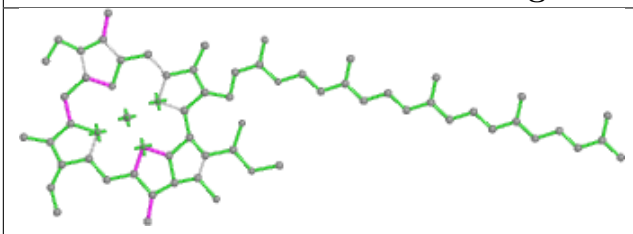


Rings

Ligand CLA a 817



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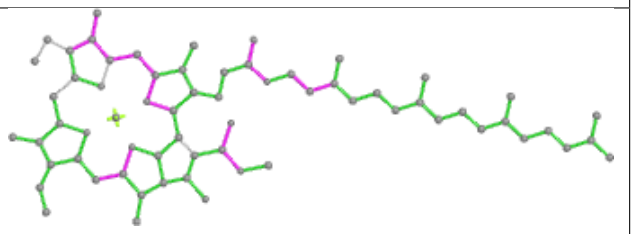
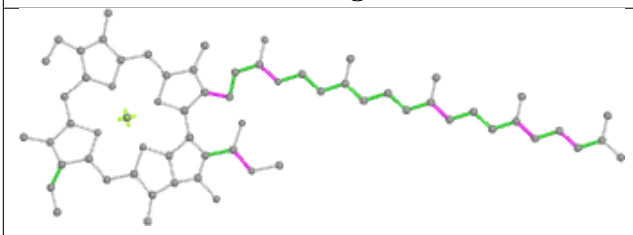
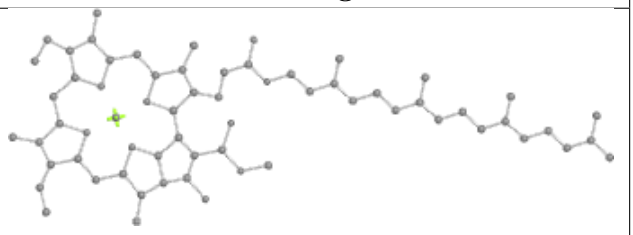


Bond angles

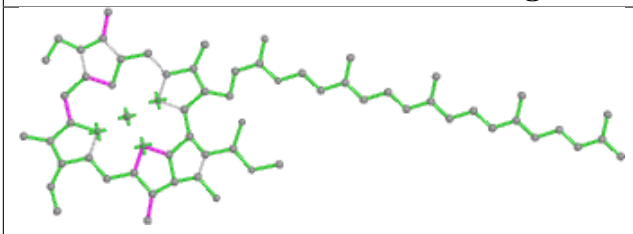


Torsions



Rings

Ligand CLA A 807



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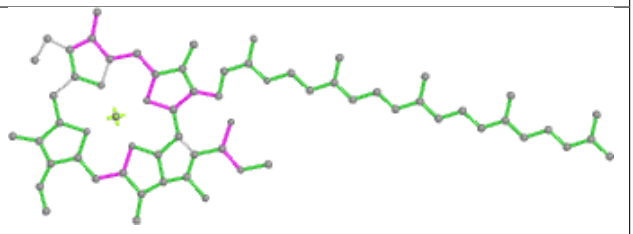
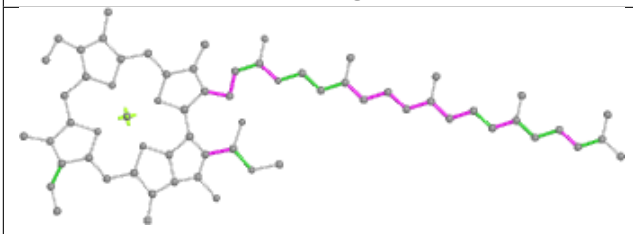
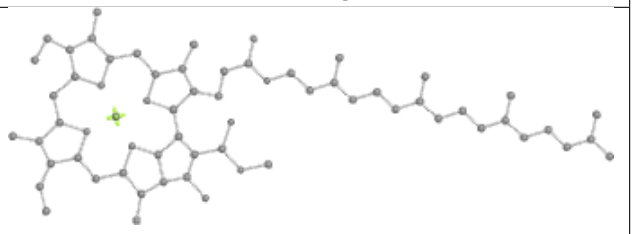


Bond angles

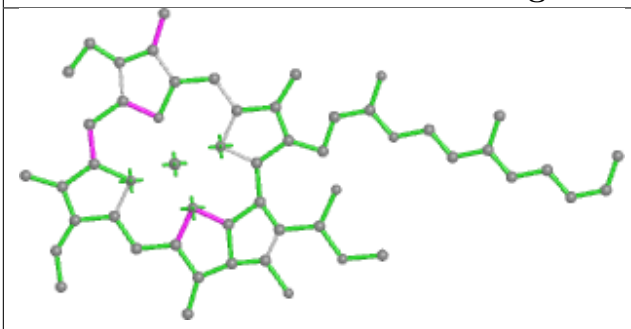


Torsions



Rings

Ligand CLA a 812



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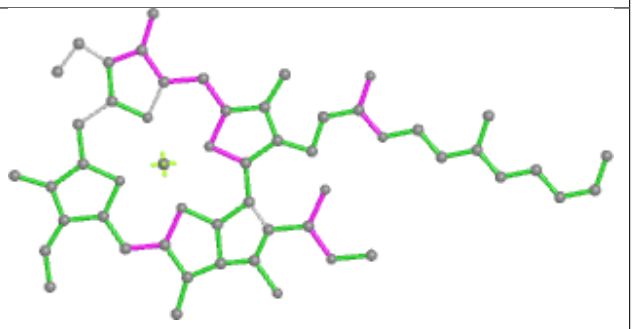
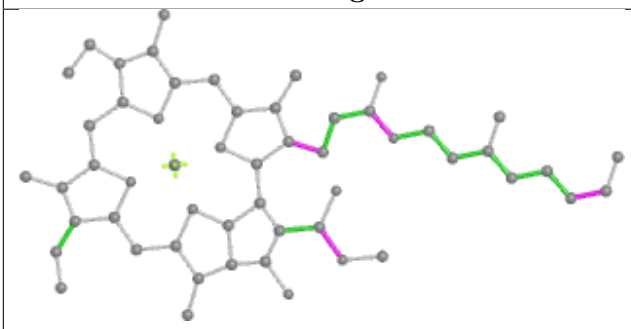
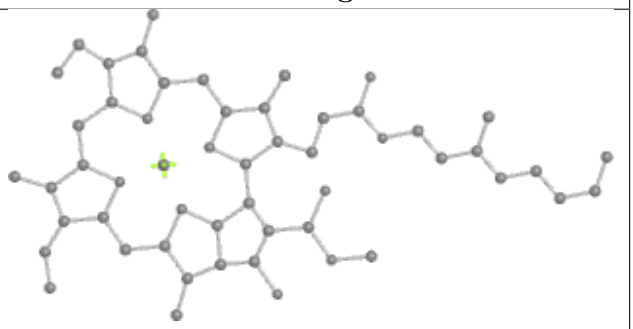


Bond angles

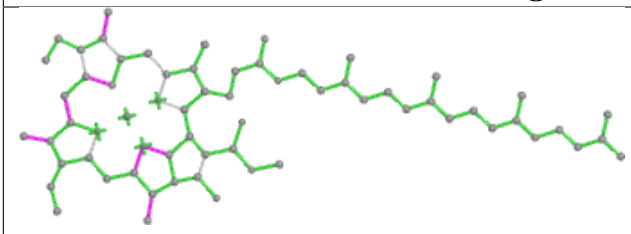


Torsions

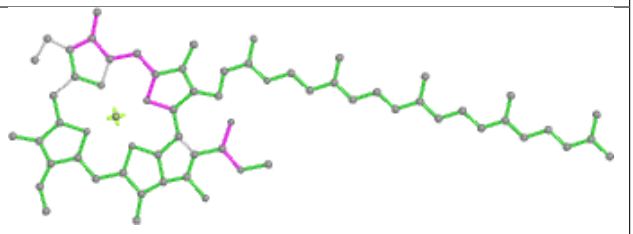


Rings

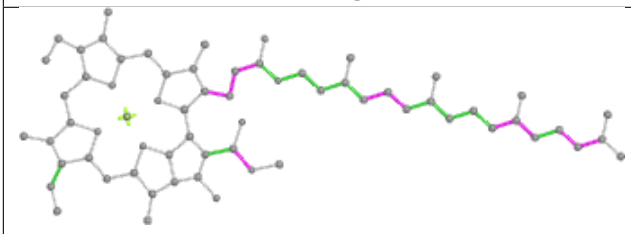
Ligand CLA n 809



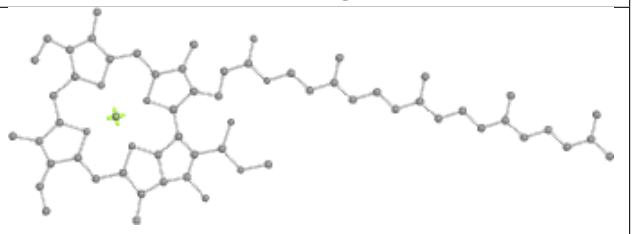
Bond lengths



Bond angles

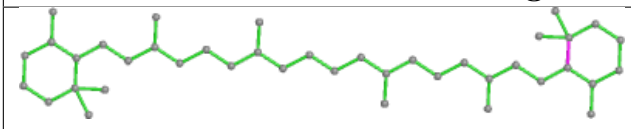


Torsions



Rings

Ligand BCR n 847



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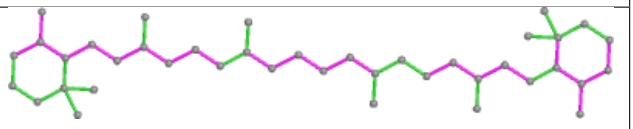
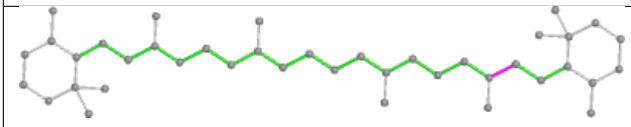


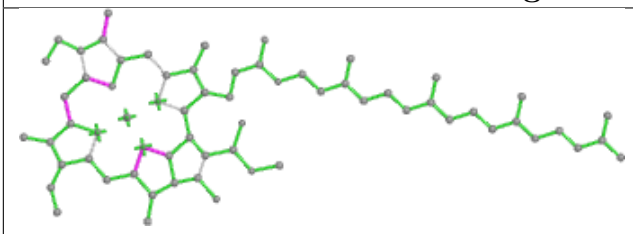
Bond angles



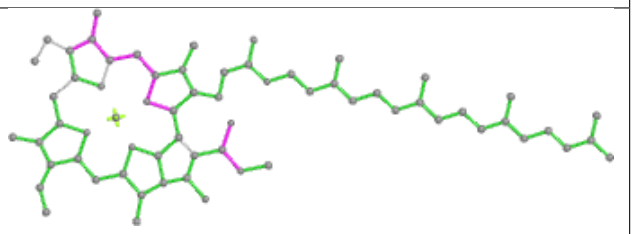
Torsions

Rings

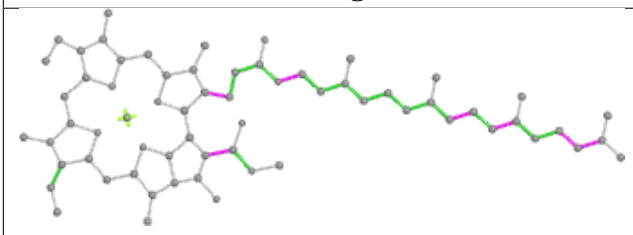
Ligand CLA N 828



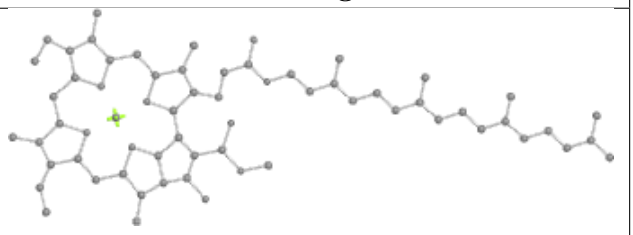
Bond lengths



Bond angles



Torsions



Rings

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.

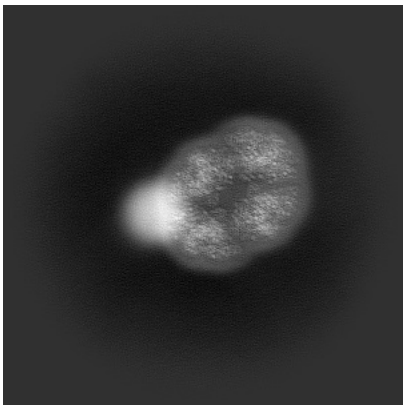
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-65883. These allow visual inspection of the internal detail of the map and identification of artifacts.

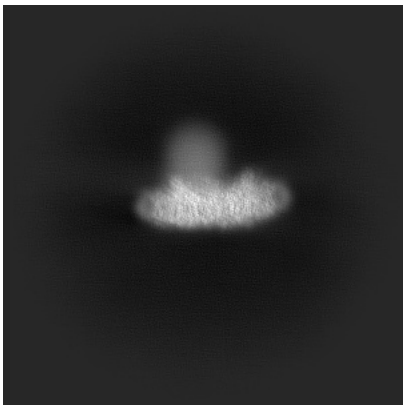
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections

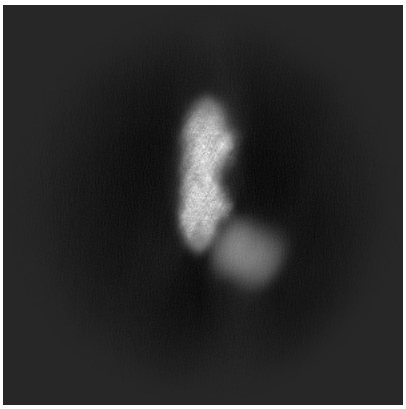
6.1.1 Primary map



X

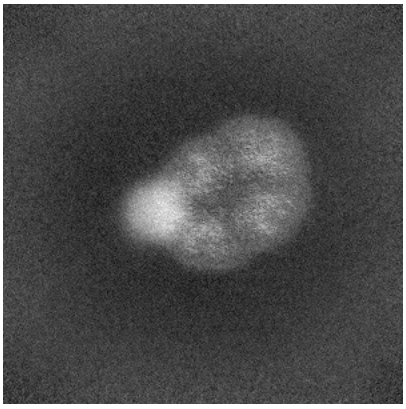


Y

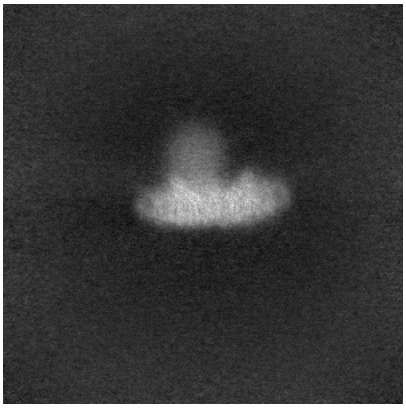


Z

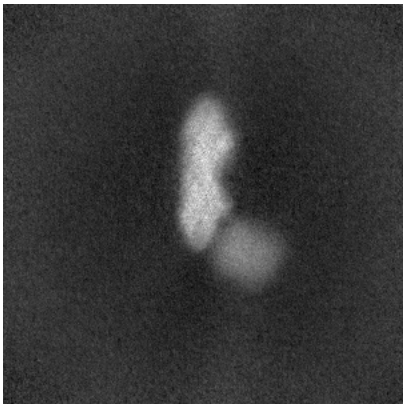
6.1.2 Raw map



X



Y

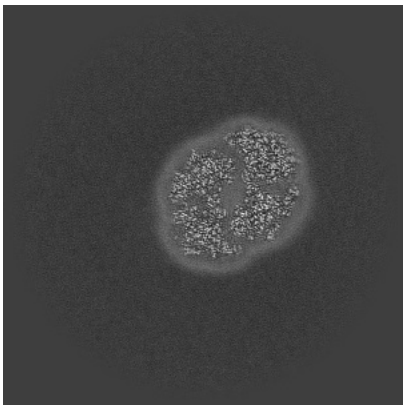


Z

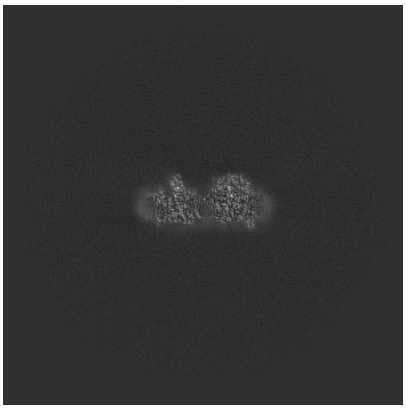
The images above show the map projected in three orthogonal directions.

6.2 Central slices (i)

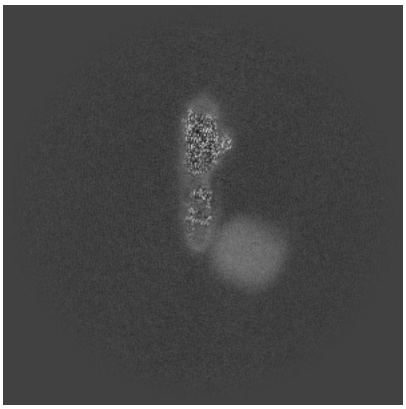
6.2.1 Primary map



X Index: 330

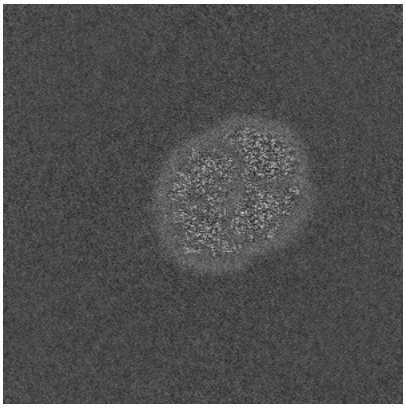


Y Index: 330

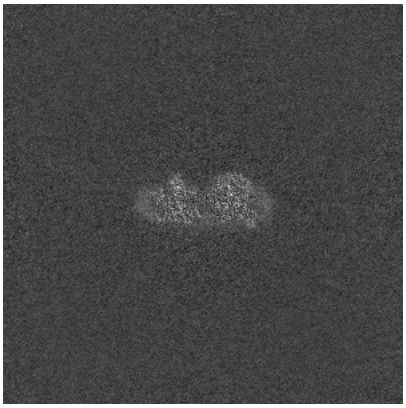


Z Index: 330

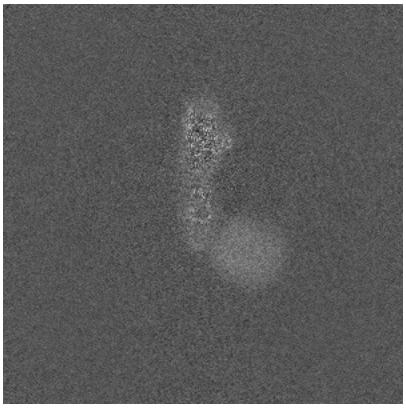
6.2.2 Raw map



X Index: 330



Y Index: 330

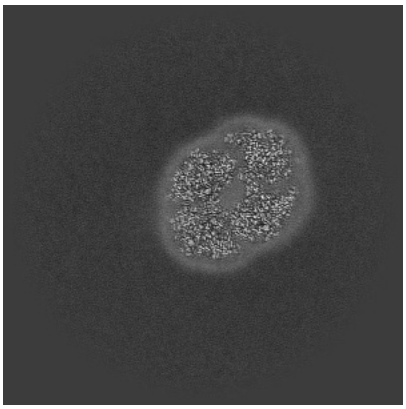


Z Index: 330

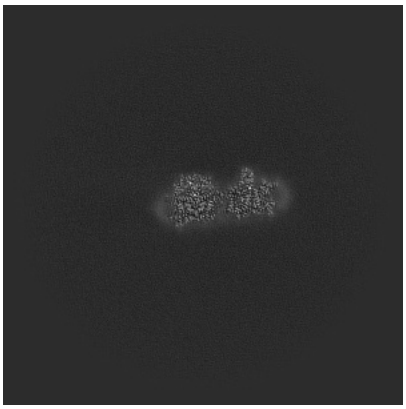
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

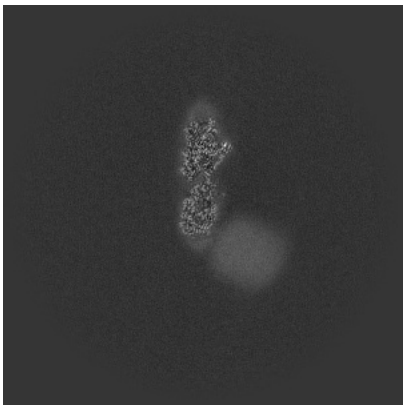
6.3.1 Primary map



X Index: 335

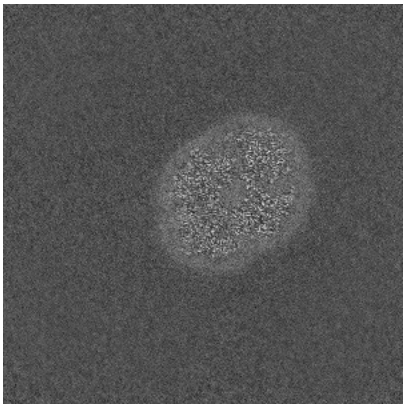


Y Index: 427

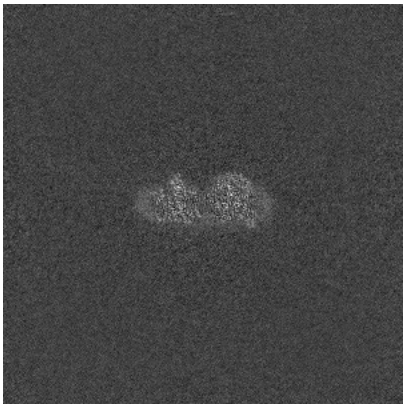


Z Index: 309

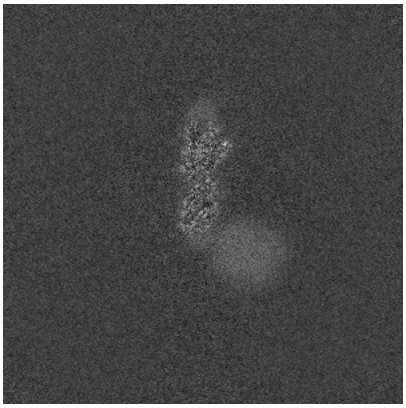
6.3.2 Raw map



X Index: 334



Y Index: 330

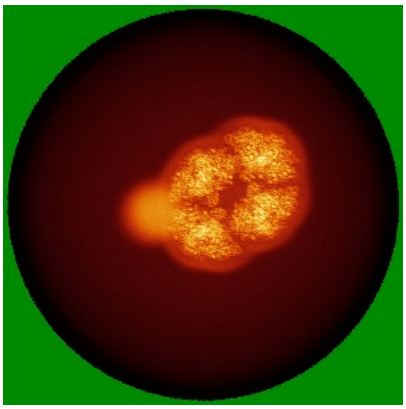


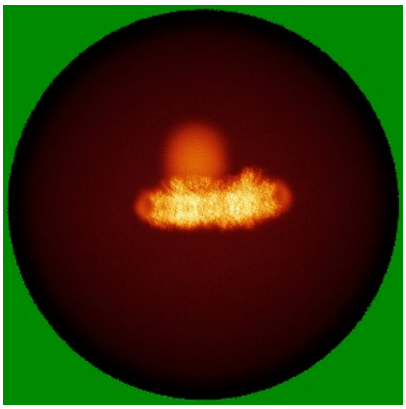
Z Index: 308

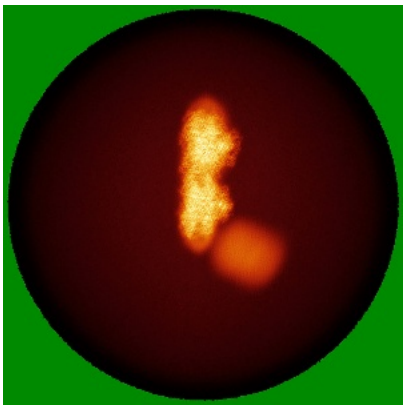
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) (i)

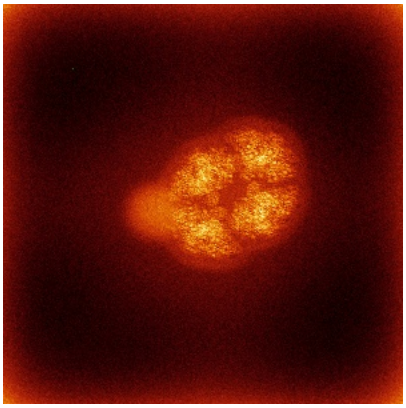
6.4.1 Primary map

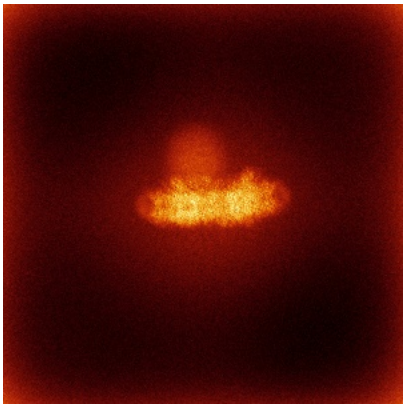

X

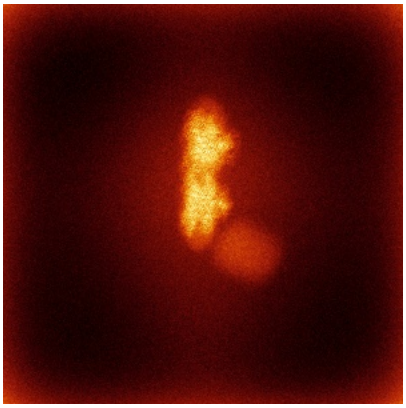

Y


Z

6.4.2 Raw map


X

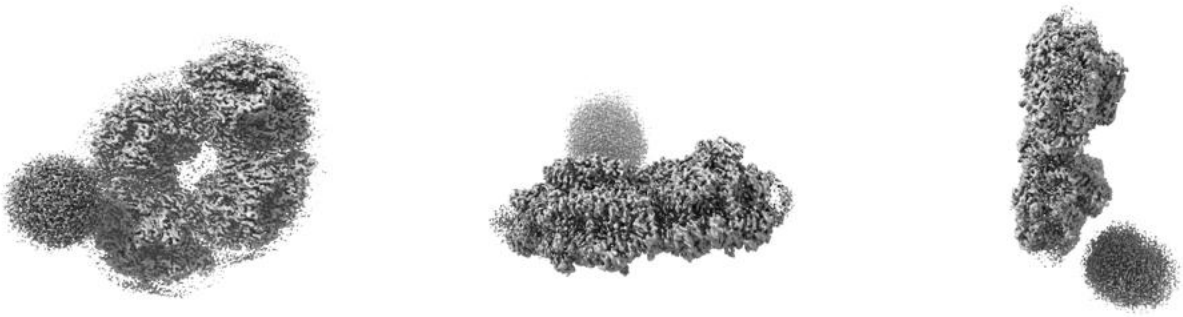

Y


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views (i)

6.5.1 Primary map



X Y Z

The images above show the 3D surface view of the map at the recommended contour level 0.185. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map

X Y Z

These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

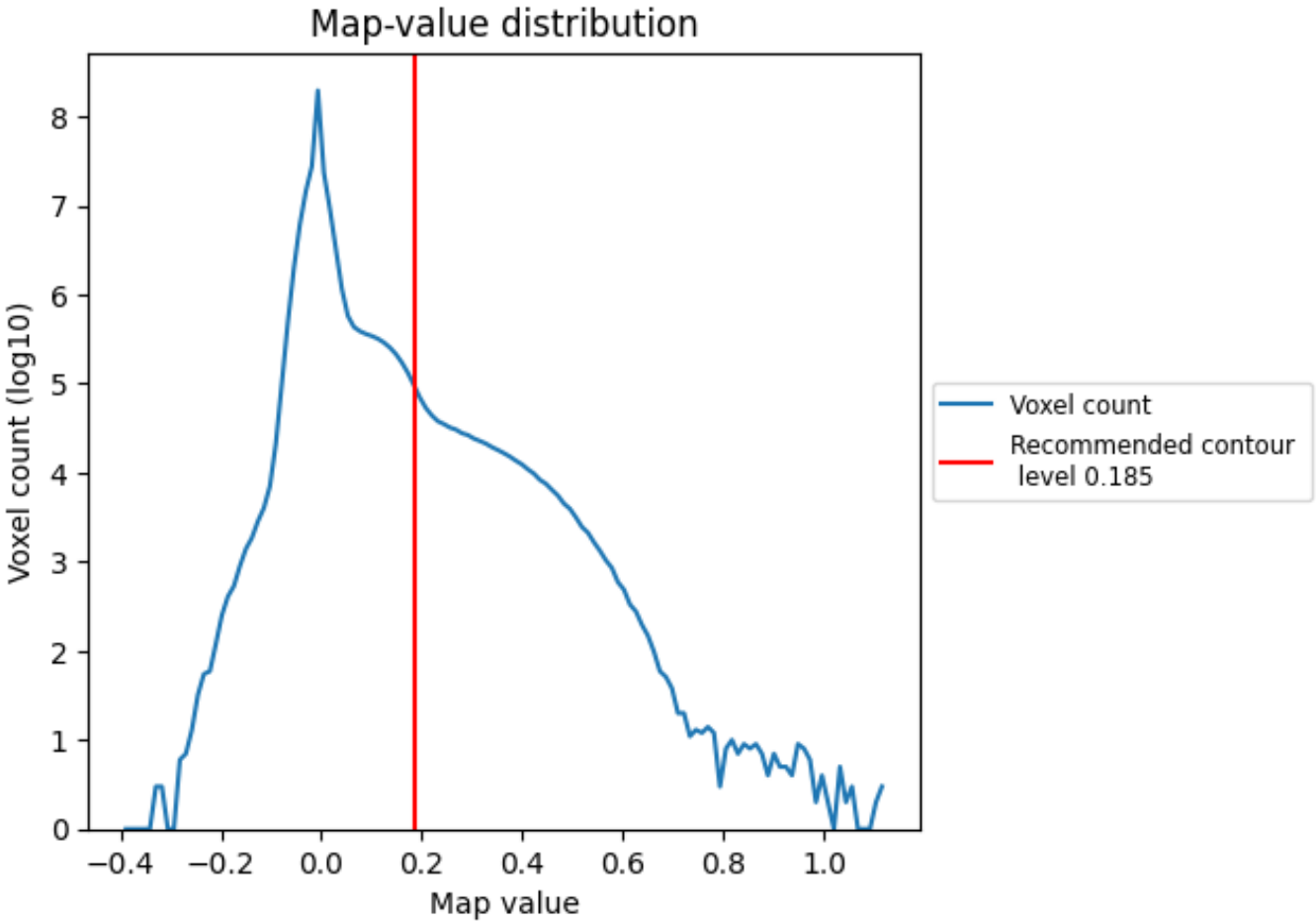
6.6 Mask visualisation (i)

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

7 Map analysis

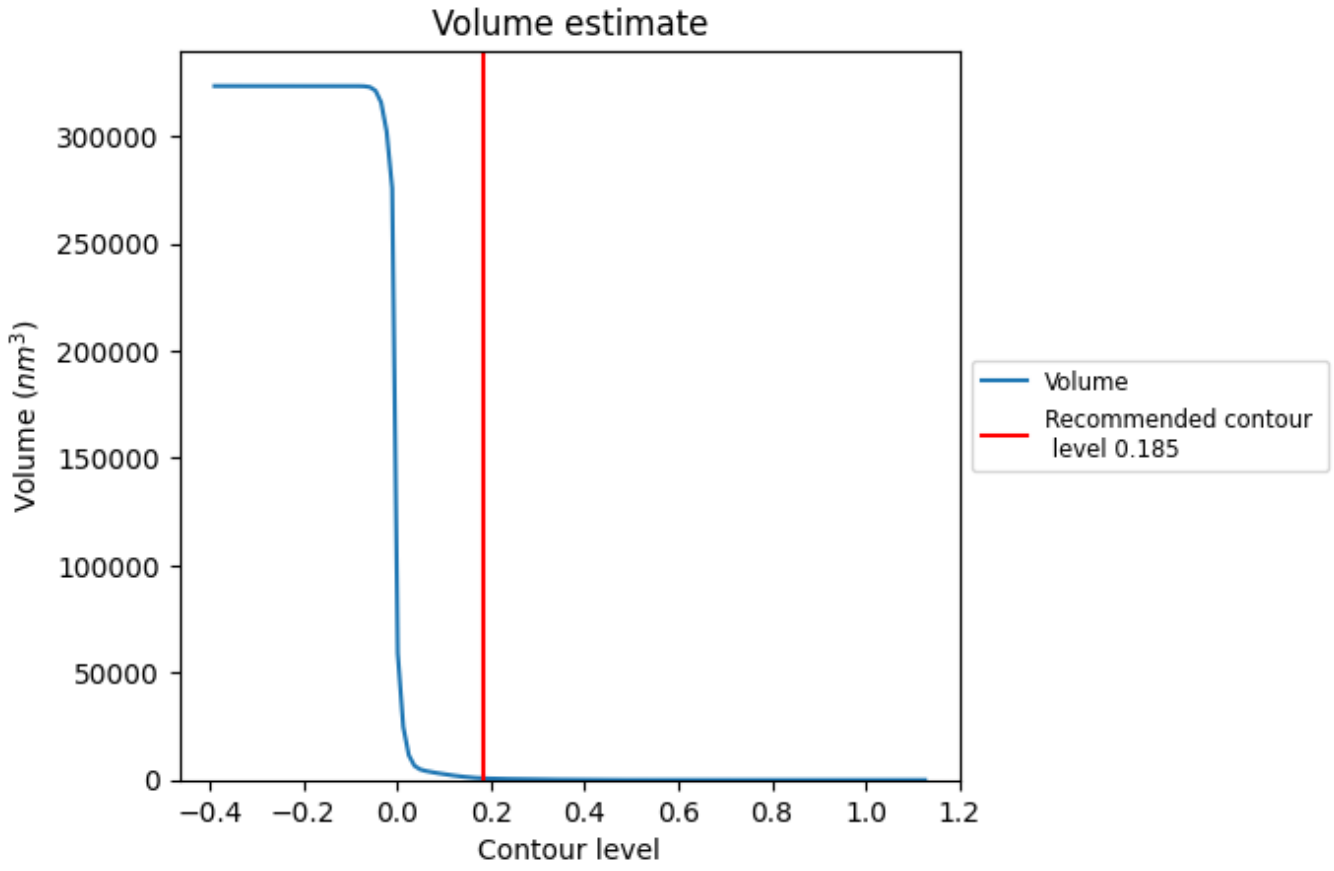
This section contains the results of statistical analysis of the map.

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.

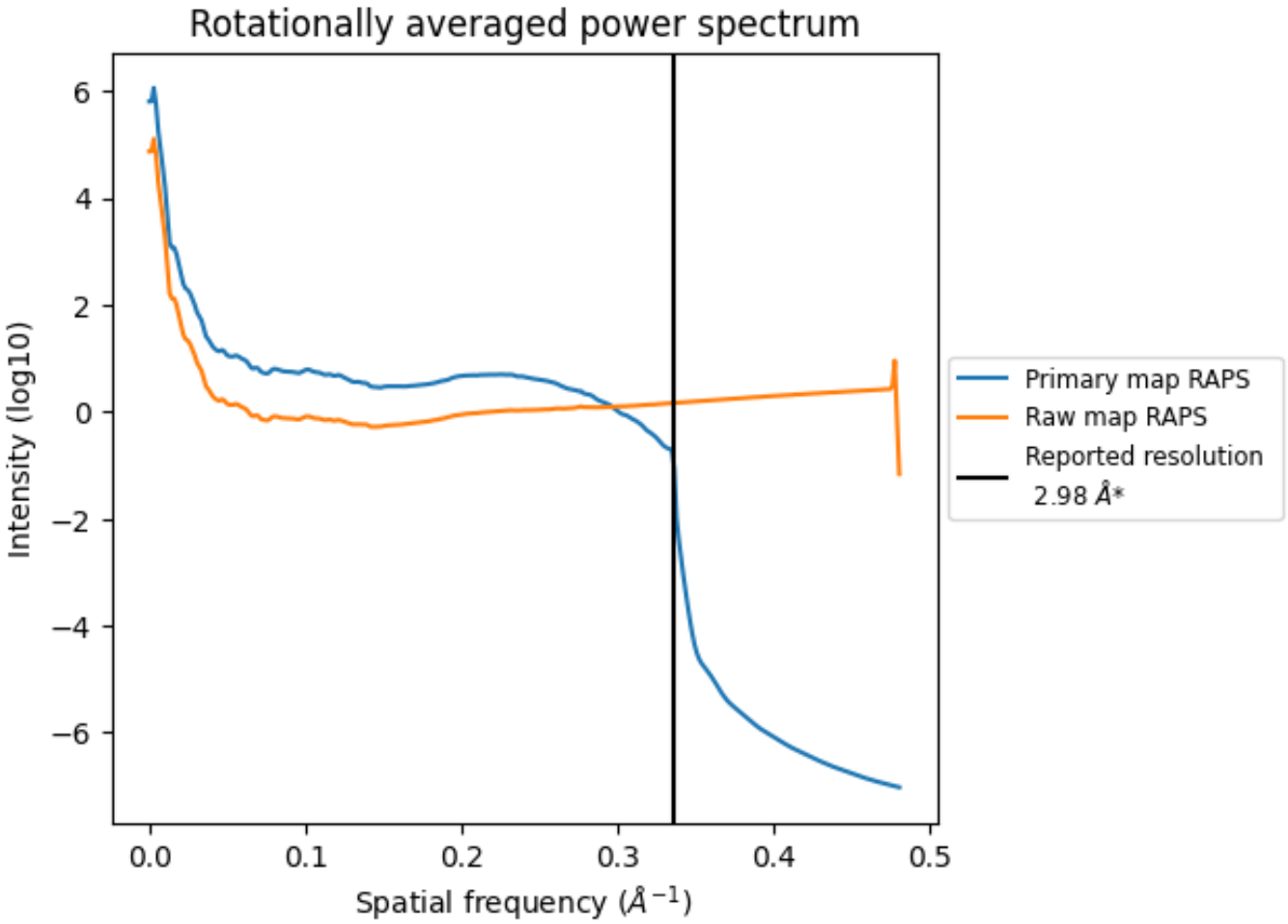
7.2 Volume estimate



The volume at the recommended contour level is 767 nm^3; this corresponds to an approximate mass of 693 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)

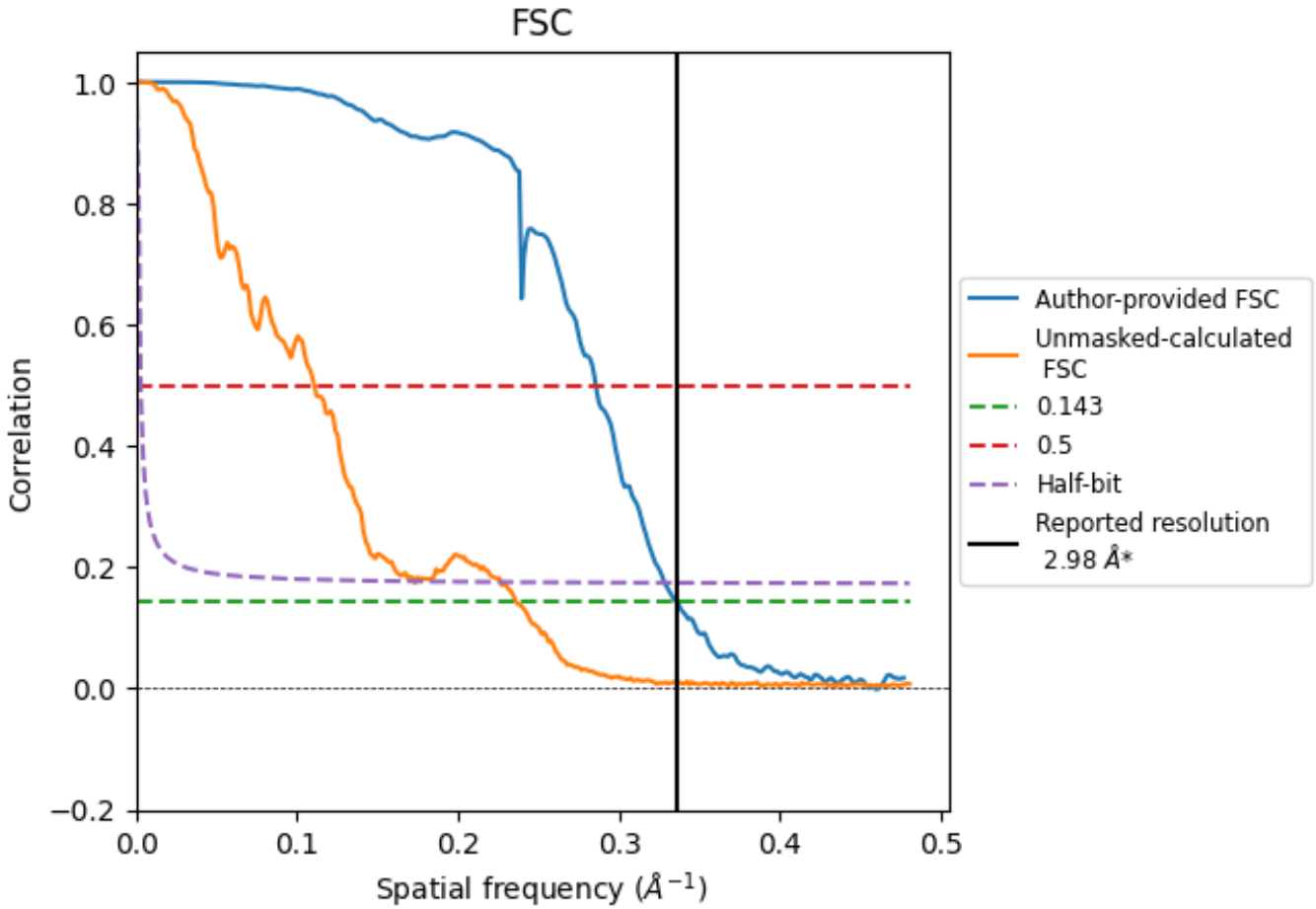


*Reported resolution corresponds to spatial frequency of 0.336 Å^{-1}

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 0.336 $Å^{-1}$

8.2 Resolution estimates (i)

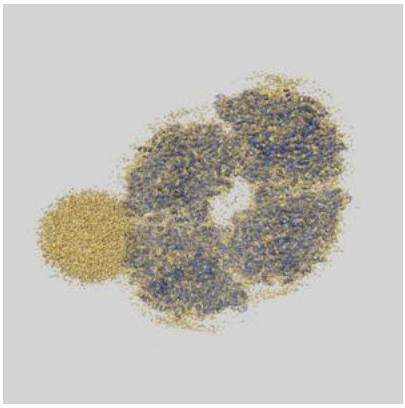
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.98	-	-
Author-provided FSC curve	2.98	3.50	3.04
Unmasked-calculated*	4.24	9.04	5.78

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 4.24 differs from the reported value 2.98 by more than 10 %

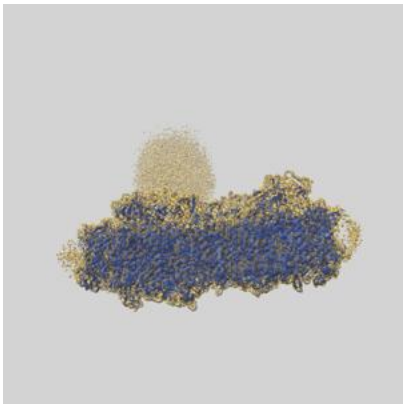
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-65883 and PDB model 9WD5. Per-residue inclusion information can be found in section 3 on page 47.

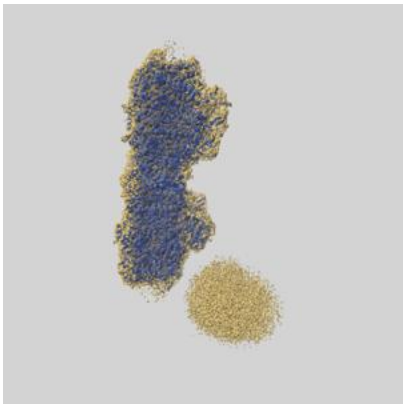
9.1 Map-model overlay



X



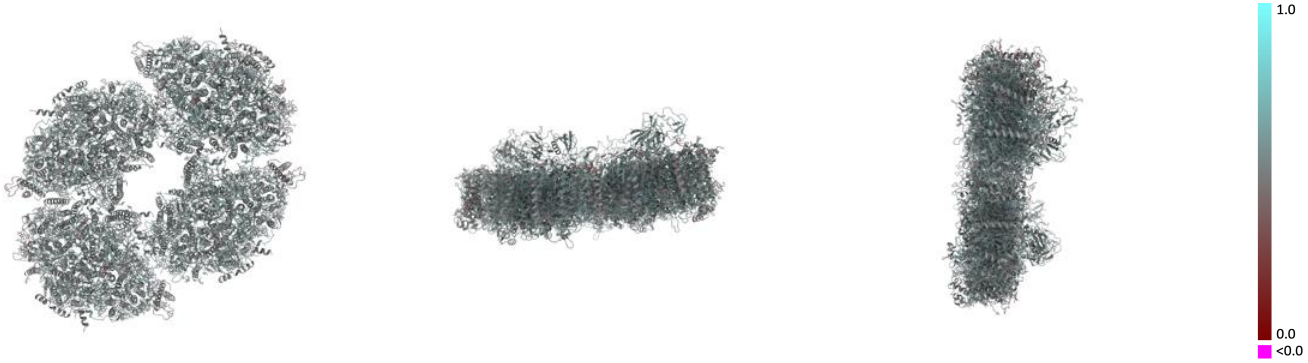
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.185 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.

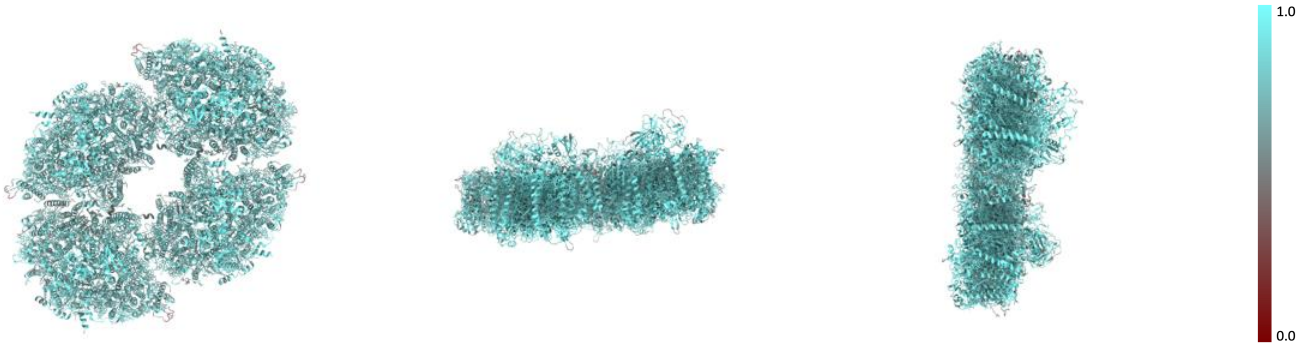
9.2 Q-score mapped to coordinate model (i)



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.

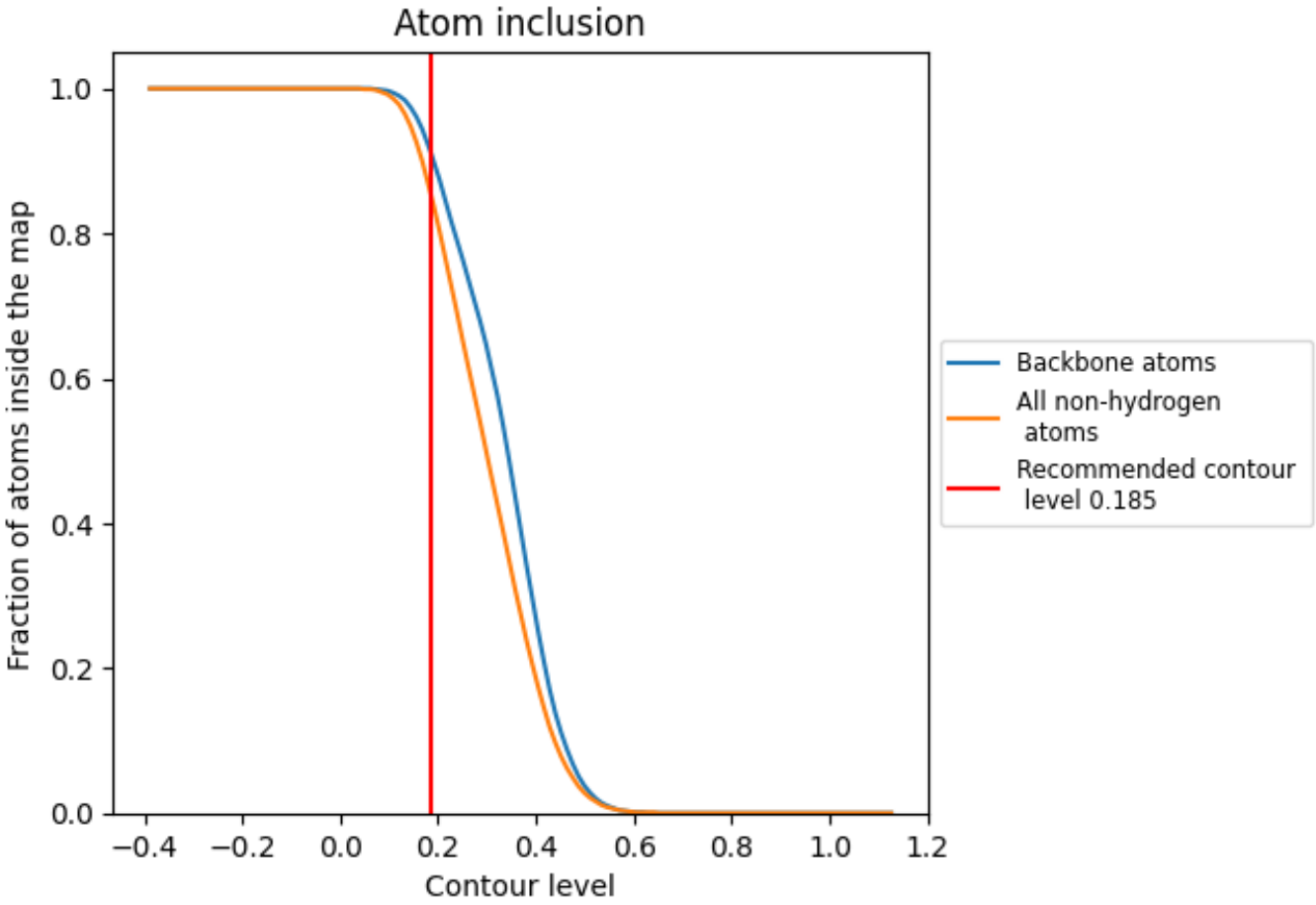
9.3 Atom inclusion mapped to coordinate model (i)



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 (0.185).

9.4 Atom inclusion (i)



At the recommended contour level, 91% of all backbone atoms, 86% 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 (0.185) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.8550	0.5300
1	0.7220	0.4730
A	0.8720	0.5330
B	0.8600	0.5380
C	0.9270	0.5160
D	0.8760	0.5210
E	0.8260	0.5260
F	0.8440	0.5160
G	0.8790	0.5400
H	0.7940	0.5160
I	0.7620	0.5260
J	0.8230	0.5080
K	0.7070	0.4420
L	0.7900	0.5260
M	0.7830	0.5170
N	0.8720	0.5430
P	0.9270	0.5110
Q	0.8720	0.5280
R	0.8540	0.5240
S	0.8300	0.5190
T	0.8530	0.5110
U	0.7150	0.4570
V	0.8490	0.5360
W	0.8430	0.5280
X	0.7990	0.5050
Y	0.7640	0.5170
a	0.8590	0.5340
b	0.8620	0.5290
c	0.9420	0.5120
d	0.8680	0.5170
e	0.8430	0.5180
f	0.8060	0.4940
g	0.8720	0.5430
h	0.7300	0.4690
i	0.7920	0.5160

Continued on next page...

Continued from previous page...

Chain	Atom inclusion	Q-score
j	0.8350	0.4920
k	0.6840	0.4650
l	0.8230	0.5290
m	0.7300	0.5130
n	0.8690	0.5390
p	0.9400	0.5290
q	0.8910	0.5330
r	0.8190	0.5270
s	0.8040	0.4900
t	0.8170	0.4980
u	0.6530	0.4800
v	0.7910	0.5220
w	0.8350	0.5360
x	0.7630	0.4950
y	0.7970	0.5220