Full wwPDB EM Validation Report ⓘ

Feb 10, 2025 – 10:24 AM JST

PDB ID	:	8Z81
EMDB ID	:	EMD-39835
Title	:	Photosynthetic LH2-LH1 complex from the purple bacterium Halorhodospira halophila
Authors	:	Tani, K.; Nagashima, K.V.P.; Kanno, R.; Hiwatashi, N.; Kawakami, M.; Nakata, K.; Nagashima, S.; Inoue, K.; Takaichi, S.; Purba, E.R.; Hall, M.; Yu, L.-J.; Madigan, M.T.; Mizoguchi, A.; Humbel, B.M.; Kimura, Y.; Wang-Otomo, Z.-Y.
Deposited on	:	2024-04-21
Resolution	:	2.20 Å(reported)
Based on initial models	:	5Y5S, 1NKZ

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:

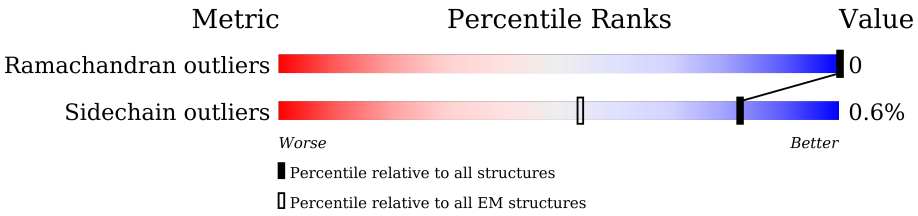
EMDB validation analysis	:	0.0.1.dev113
Mogul	:	1.8.5 (274361), CSD as541be (2020)
MolProbity	:	4.02b-467
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)

1 Overall quality at a glance (i)

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

The reported resolution of this entry is 2.20 Å.

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



Metric	Whole archive (#Entries)	EM structures (#Entries)
Ramachandran outliers	207382	16835
Sidechain outliers	206894	16415

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	3	64	72% 28%
1	7	64	72% 28%
1	A	64	72% 28%
1	E	64	72% 28%
1	I	64	72% 28%
1	M	64	72% 28%
1	Q	64	72% 28%
1	U	64	72% 28%

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Mol	Chain	Length	Quality of chain
1	Y	64	72% 28%
2	4	75	63% 37%
2	8	75	63% 37%
2	B	75	63% 37%
2	F	75	63% 37%
2	J	75	63% 37%
2	N	75	63% 37%
2	R	75	63% 37%
2	V	75	63% 37%
2	Z	75	63% 37%
3	1	67	67% 31%
3	5	67	67% 31%
3	9	67	67% 31%
3	C	67	67% 31%
3	G	67	67% 31%
3	K	67	67% 31%
3	O	67	67% 31%
3	S	67	67% 31%
3	W	67	67% 31%
4	0	74	61% 39%
4	2	74	61% 39%
4	6	74	61% 39%
4	D	74	61% 39%
4	H	74	61% 39%
4	L	74	61% 39%

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Mol	Chain	Length	Quality of chain
4	P	74	61% 39%
4	T	74	61% 39%
4	X	74	61% 39%
5	a	71	68% 31%
5	c	71	68% 31%
5	e	71	68% 31%
5	g	71	66% 31%
5	i	71	66% 31%
5	k	71	66% 31%
5	m	71	66% 31%
5	o	71	68% 31%
5	q	71	68% 31%
6	b	59	83% 17%
6	d	59	83% 17%
6	f	59	83% 17%
6	h	59	83% 17%
6	j	59	83% 17%
6	l	59	83% 17%
6	n	59	83% 17%
6	p	59	83% 17%
6	r	59	83% 17%

2 Entry composition (i)

There are 10 unique types of molecules in this entry. The entry contains 29349 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 Antenna complex, alpha/beta subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A	46	Total	C	N	O	S	0	0
			385	263	66	55	1		
1	E	46	Total	C	N	O	S	0	0
			385	263	66	55	1		
1	I	46	Total	C	N	O	S	0	0
			385	263	66	55	1		
1	M	46	Total	C	N	O	S	0	0
			385	263	66	55	1		
1	Q	46	Total	C	N	O	S	0	0
			385	263	66	55	1		
1	U	46	Total	C	N	O	S	0	0
			385	263	66	55	1		
1	Y	46	Total	C	N	O	S	0	0
			385	263	66	55	1		
1	3	46	Total	C	N	O	S	0	0
			385	263	66	55	1		
1	7	46	Total	C	N	O	S	0	0
			385	263	66	55	1		

- Molecule 2 is a protein called Antenna complex, alpha/beta subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	B	47	Total	C	N	O	S	0	0
			380	256	59	64	1		
2	F	47	Total	C	N	O	S	0	0
			380	256	59	64	1		
2	J	47	Total	C	N	O	S	0	0
			380	256	59	64	1		
2	N	47	Total	C	N	O	S	0	0
			380	256	59	64	1		
2	R	47	Total	C	N	O	S	0	0
			380	256	59	64	1		
2	V	47	Total	C	N	O	S	0	0
			380	256	59	64	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	Z	47	Total	C	N	O	S	0	0
			380	256	59	64	1		
2	4	47	Total	C	N	O	S	0	0
			380	256	59	64	1		
2	8	47	Total	C	N	O	S	0	0
			380	256	59	64	1		

- Molecule 3 is a protein called Antenna complex, alpha/beta subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	C	46	Total	C	N	O	S	0	0
			390	261	67	59	3		
3	G	46	Total	C	N	O	S	0	0
			390	261	67	59	3		
3	K	46	Total	C	N	O	S	0	0
			390	261	67	59	3		
3	O	46	Total	C	N	O	S	0	0
			390	261	67	59	3		
3	S	46	Total	C	N	O	S	0	0
			390	261	67	59	3		
3	W	46	Total	C	N	O	S	0	0
			390	261	67	59	3		
3	1	46	Total	C	N	O	S	0	0
			390	261	67	59	3		
3	5	46	Total	C	N	O	S	0	0
			390	261	67	59	3		
3	9	46	Total	C	N	O	S	0	0
			390	261	67	59	3		

There are 36 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
C	37	ASN	SER	conflict	UNP A1WXF8
C	42	GLN	GLU	conflict	UNP A1WXF8
C	48	ASP	ASN	conflict	UNP A1WXF8
C	57	ASP	GLU	conflict	UNP A1WXF8
G	37	ASN	SER	conflict	UNP A1WXF8
G	42	GLN	GLU	conflict	UNP A1WXF8
G	48	ASP	ASN	conflict	UNP A1WXF8
G	57	ASP	GLU	conflict	UNP A1WXF8
K	37	ASN	SER	conflict	UNP A1WXF8
K	42	GLN	GLU	conflict	UNP A1WXF8

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Chain	Residue	Modelled	Actual	Comment	Reference
K	48	ASP	ASN	conflict	UNP A1WXF8
K	57	ASP	GLU	conflict	UNP A1WXF8
O	37	ASN	SER	conflict	UNP A1WXF8
O	42	GLN	GLU	conflict	UNP A1WXF8
O	48	ASP	ASN	conflict	UNP A1WXF8
O	57	ASP	GLU	conflict	UNP A1WXF8
S	37	ASN	SER	conflict	UNP A1WXF8
S	42	GLN	GLU	conflict	UNP A1WXF8
S	48	ASP	ASN	conflict	UNP A1WXF8
S	57	ASP	GLU	conflict	UNP A1WXF8
W	37	ASN	SER	conflict	UNP A1WXF8
W	42	GLN	GLU	conflict	UNP A1WXF8
W	48	ASP	ASN	conflict	UNP A1WXF8
W	57	ASP	GLU	conflict	UNP A1WXF8
1	37	ASN	SER	conflict	UNP A1WXF8
1	42	GLN	GLU	conflict	UNP A1WXF8
1	48	ASP	ASN	conflict	UNP A1WXF8
1	57	ASP	GLU	conflict	UNP A1WXF8
5	37	ASN	SER	conflict	UNP A1WXF8
5	42	GLN	GLU	conflict	UNP A1WXF8
5	48	ASP	ASN	conflict	UNP A1WXF8
5	57	ASP	GLU	conflict	UNP A1WXF8
9	37	ASN	SER	conflict	UNP A1WXF8
9	42	GLN	GLU	conflict	UNP A1WXF8
9	48	ASP	ASN	conflict	UNP A1WXF8
9	57	ASP	GLU	conflict	UNP A1WXF8

- Molecule 4 is a protein called Antenna complex, alpha/beta subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	D	45	Total	C	N	O	S	0	0
			362	240	58	63	1		
4	H	45	Total	C	N	O	S	0	0
			362	240	58	63	1		
4	L	45	Total	C	N	O	S	0	0
			362	240	58	63	1		
4	P	45	Total	C	N	O	S	0	0
			362	240	58	63	1		
4	T	45	Total	C	N	O	S	0	0
			362	240	58	63	1		
4	X	45	Total	C	N	O	S	0	0
			362	240	58	63	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	2	45	Total	C	N	O	S	0	0
			362	240	58	63	1		
4	6	45	Total	C	N	O	S	0	0
			362	240	58	63	1		
4	0	45	Total	C	N	O	S	0	0
			362	240	58	63	1		

There are 9 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
D	30	ILE	VAL	conflict	UNP A1WXF9
H	30	ILE	VAL	conflict	UNP A1WXF9
L	30	ILE	VAL	conflict	UNP A1WXF9
P	30	ILE	VAL	conflict	UNP A1WXF9
T	30	ILE	VAL	conflict	UNP A1WXF9
X	30	ILE	VAL	conflict	UNP A1WXF9
2	30	ILE	VAL	conflict	UNP A1WXF9
6	30	ILE	VAL	conflict	UNP A1WXF9
0	30	ILE	VAL	conflict	UNP A1WXF9

- Molecule 5 is a protein called Antenna complex, alpha/beta subunit.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	a	49	Total	C	N	O	S	0	0
			383	258	61	63	1		
5	c	49	Total	C	N	O	S	0	0
			383	258	61	63	1		
5	e	49	Total	C	N	O	S	0	0
			383	258	61	63	1		
5	g	49	Total	C	N	O	S	0	0
			383	258	61	63	1		
5	i	49	Total	C	N	O	S	0	0
			383	258	61	63	1		
5	k	49	Total	C	N	O	S	0	0
			383	258	61	63	1		
5	m	49	Total	C	N	O	S	0	0
			383	258	61	63	1		
5	o	49	Total	C	N	O	S	0	0
			383	258	61	63	1		
5	q	49	Total	C	N	O	S	0	0
			383	258	61	63	1		

There are 45 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
a	19	PHE	LEU	conflict	UNP A1WWW3
a	27	SER	ALA	conflict	UNP A1WWW3
a	43	ALA	SER	conflict	UNP A1WWW3
a	44	PHE	TYR	conflict	UNP A1WWW3
a	61	SER	GLY	conflict	UNP A1WWW3
c	19	PHE	LEU	conflict	UNP A1WWW3
c	27	SER	ALA	conflict	UNP A1WWW3
c	43	ALA	SER	conflict	UNP A1WWW3
c	44	PHE	TYR	conflict	UNP A1WWW3
c	61	SER	GLY	conflict	UNP A1WWW3
e	19	PHE	LEU	conflict	UNP A1WWW3
e	27	SER	ALA	conflict	UNP A1WWW3
e	43	ALA	SER	conflict	UNP A1WWW3
e	44	PHE	TYR	conflict	UNP A1WWW3
e	61	SER	GLY	conflict	UNP A1WWW3
g	19	PHE	LEU	conflict	UNP A1WWW3
g	27	SER	ALA	conflict	UNP A1WWW3
g	43	ALA	SER	conflict	UNP A1WWW3
g	44	PHE	TYR	conflict	UNP A1WWW3
g	61	SER	GLY	conflict	UNP A1WWW3
i	19	PHE	LEU	conflict	UNP A1WWW3
i	27	SER	ALA	conflict	UNP A1WWW3
i	43	ALA	SER	conflict	UNP A1WWW3
i	44	PHE	TYR	conflict	UNP A1WWW3
i	61	SER	GLY	conflict	UNP A1WWW3
k	19	PHE	LEU	conflict	UNP A1WWW3
k	27	SER	ALA	conflict	UNP A1WWW3
k	43	ALA	SER	conflict	UNP A1WWW3
k	44	PHE	TYR	conflict	UNP A1WWW3
k	61	SER	GLY	conflict	UNP A1WWW3
m	19	PHE	LEU	conflict	UNP A1WWW3
m	27	SER	ALA	conflict	UNP A1WWW3
m	43	ALA	SER	conflict	UNP A1WWW3
m	44	PHE	TYR	conflict	UNP A1WWW3
m	61	SER	GLY	conflict	UNP A1WWW3
o	19	PHE	LEU	conflict	UNP A1WWW3
o	27	SER	ALA	conflict	UNP A1WWW3
o	43	ALA	SER	conflict	UNP A1WWW3
o	44	PHE	TYR	conflict	UNP A1WWW3
o	61	SER	GLY	conflict	UNP A1WWW3
q	19	PHE	LEU	conflict	UNP A1WWW3
q	27	SER	ALA	conflict	UNP A1WWW3

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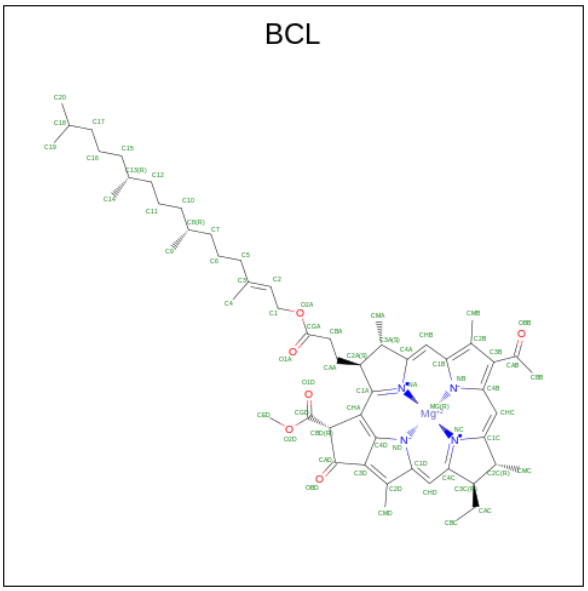
Chain	Residue	Modelled	Actual	Comment	Reference
q	43	ALA	SER	conflict	UNP A1WWW3
q	44	PHE	TYR	conflict	UNP A1WWW3
q	61	SER	GLY	conflict	UNP A1WWW3

- Molecule 6 is a protein called Antenna complex, alpha/beta subunit.

Mol	Chain	Residues	Atoms				AltConf	Trace
6	b	49	Total	C	N	O	0	0
			391	261	62	68		
6	d	49	Total	C	N	O	0	0
			391	261	62	68		
6	f	49	Total	C	N	O	0	0
			391	261	62	68		
6	h	49	Total	C	N	O	0	0
			391	261	62	68		
6	j	49	Total	C	N	O	0	0
			391	261	62	68		
6	l	49	Total	C	N	O	0	0
			391	261	62	68		
6	n	49	Total	C	N	O	0	0
			391	261	62	68		
6	p	49	Total	C	N	O	0	0
			391	261	62	68		
6	r	49	Total	C	N	O	0	0
			391	261	62	68		

- Molecule 7 is BACTERIOCHLOROPHYLL A (three-letter code: BCL) (formula: $C_{55}H_{74}MgN_4O_6$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
7	A	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	B	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	C	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	C	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	D	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	E	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	F	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	G	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	G	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	H	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	I	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	J	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	K	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	K	1	Total	C	Mg	N	O	0
			66	55	1	4	6	

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Mol	Chain	Residues	Atoms					AltConf
7	L	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	M	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	N	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	O	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	O	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	P	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	Q	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	R	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	S	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	S	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	T	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	U	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	V	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	W	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	W	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	X	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	Y	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	Z	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	1	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	1	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	2	1	Total	C	Mg	N	O	0
			66	55	1	4	6	

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Mol	Chain	Residues	Atoms					AltConf
7	3	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	4	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	5	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	5	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	6	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	7	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	8	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	9	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	9	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	0	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	a	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	a	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	b	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	c	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	c	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	d	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	e	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	e	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	f	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	g	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	g	1	Total	C	Mg	N	O	0
			66	55	1	4	6	

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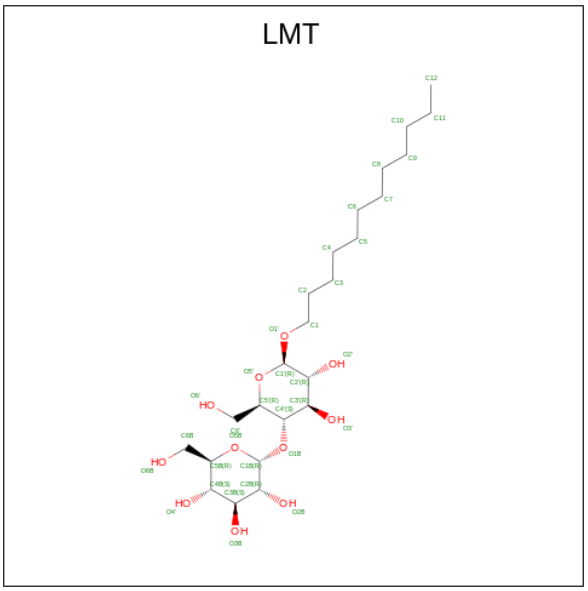
Mol	Chain	Residues	Atoms					AltConf
7	h	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	i	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	i	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	j	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	k	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	k	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	l	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	m	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	m	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	n	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	o	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	o	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	p	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	q	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	q	1	Total	C	Mg	N	O	0
			66	55	1	4	6	
7	r	1	Total	C	Mg	N	O	0
			66	55	1	4	6	

- Molecule 8 is DODECYL-BETA-D-MALTOSIDE (three-letter code: LMT) (formula: $C_{24}H_{46}O_{11}$).



Mol	Chain	Residues	Atoms			AltConf
8	A	1	Total	C	O	0
			35	24	11	
8	C	1	Total	C	O	0
			35	24	11	
8	C	1	Total	C	O	0
			35	24	11	
8	C	1	Total	C	O	0
			32	21	11	
8	E	1	Total	C	O	0
			35	24	11	
8	G	1	Total	C	O	0
			35	24	11	
8	G	1	Total	C	O	0
			35	24	11	
8	G	1	Total	C	O	0
			32	21	11	
8	I	1	Total	C	O	0
			35	24	11	
8	K	1	Total	C	O	0
			35	24	11	
8	K	1	Total	C	O	0
			35	24	11	
8	K	1	Total	C	O	0
			32	21	11	
8	M	1	Total	C	O	0
			35	24	11	
8	O	1	Total	C	O	0
			35	24	11	

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Mol	Chain	Residues	Atoms	AltConf
8	O	1	Total C O 35 24 11	0
8	O	1	Total C O 32 21 11	0
8	Q	1	Total C O 35 24 11	0
8	S	1	Total C O 35 24 11	0
8	S	1	Total C O 35 24 11	0
8	S	1	Total C O 32 21 11	0
8	U	1	Total C O 35 24 11	0
8	W	1	Total C O 35 24 11	0
8	W	1	Total C O 35 24 11	0
8	W	1	Total C O 32 21 11	0
8	Y	1	Total C O 35 24 11	0
8	1	1	Total C O 35 24 11	0
8	1	1	Total C O 35 24 11	0
8	1	1	Total C O 32 21 11	0
8	3	1	Total C O 35 24 11	0
8	5	1	Total C O 35 24 11	0
8	5	1	Total C O 35 24 11	0
8	5	1	Total C O 32 21 11	0
8	7	1	Total C O 35 24 11	0
8	9	1	Total C O 35 24 11	0
8	9	1	Total C O 35 24 11	0

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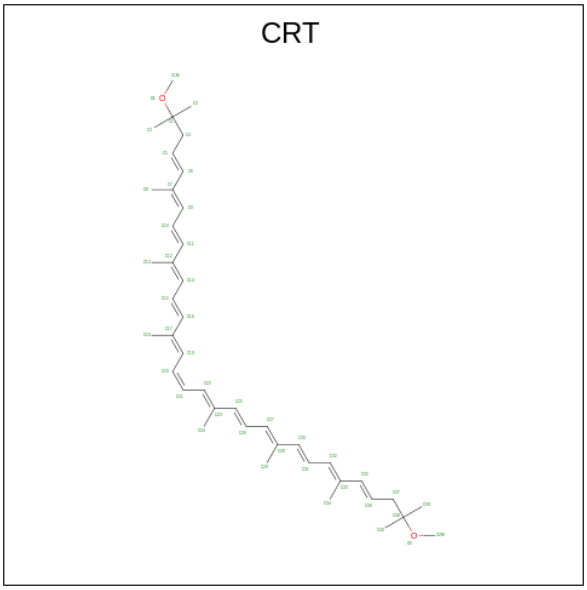
Mol	Chain	Residues	Atoms	AltConf
8	9	1	Total C O 32 21 11	0
8	b	1	Total C O 35 24 11	0
8	d	1	Total C O 35 24 11	0
8	f	1	Total C O 35 24 11	0
8	h	1	Total C O 35 24 11	0
8	j	1	Total C O 35 24 11	0
8	l	1	Total C O 35 24 11	0
8	n	1	Total C O 35 24 11	0
8	p	1	Total C O 35 24 11	0
8	r	1	Total C O 35 24 11	0

- Molecule 9 is SPIRILLOXANTHIN (three-letter code: CRT) (formula: $C_{42}H_{60}O_2$).



Mol	Chain	Residues	Atoms	AltConf
9	B	1	Total C O 44 42 2	0

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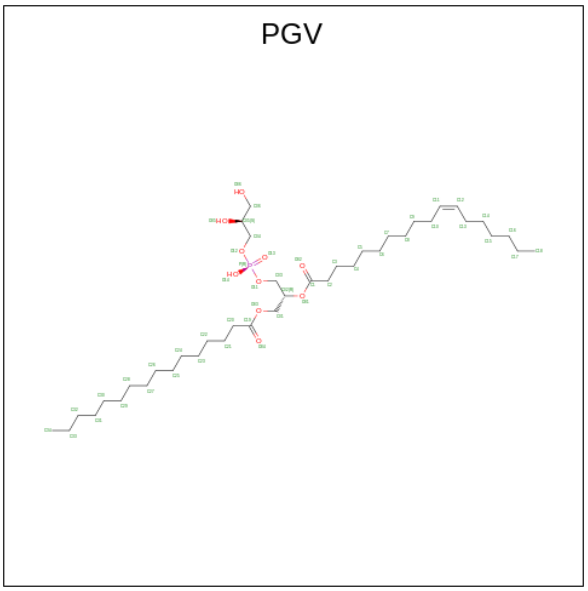
Mol	Chain	Residues	Atoms	AltConf
9	F	1	Total C O 44 42 2	0
9	J	1	Total C O 44 42 2	0
9	N	1	Total C O 44 42 2	0
9	R	1	Total C O 44 42 2	0
9	V	1	Total C O 44 42 2	0
9	Z	1	Total C O 44 42 2	0
9	4	1	Total C O 44 42 2	0
9	8	1	Total C O 44 42 2	0
9	a	1	Total C O 44 42 2	0
9	b	1	Total C O 44 42 2	0
9	e	1	Total C O 44 42 2	0
9	f	1	Total C O 44 42 2	0
9	h	1	Total C O 44 42 2	0
9	k	1	Total C O 44 42 2	0
9	m	1	Total C O 44 42 2	0
9	o	1	Total C O 44 42 2	0
9	q	1	Total C O 44 42 2	0

- Molecule 10 is (1R)-2-{[{[(2S)-2,3-DIHYDROXYPROPYL]OXY}(HYDROXY)PHOSPHORYL]OXY}-1-[(PALMITOYLOXY)METHYL]ETHYL (11E)-OCTADEC-11-ENOATE (three-letter code: PGV) (formula: $C_{40}H_{77}O_{10}P$).



Mol	Chain	Residues	Atoms				AltConf
10	B	1	Total	C	O	P	0
			45	36	8	1	
10	D	1	Total	C	O	P	0
			44	35	8	1	
10	F	1	Total	C	O	P	0
			45	36	8	1	
10	H	1	Total	C	O	P	0
			44	35	8	1	
10	J	1	Total	C	O	P	0
			45	36	8	1	
10	L	1	Total	C	O	P	0
			44	35	8	1	
10	N	1	Total	C	O	P	0
			45	36	8	1	
10	P	1	Total	C	O	P	0
			44	35	8	1	
10	R	1	Total	C	O	P	0
			45	36	8	1	
10	T	1	Total	C	O	P	0
			44	35	8	1	
10	V	1	Total	C	O	P	0
			45	36	8	1	
10	X	1	Total	C	O	P	0
			44	35	8	1	
10	2	1	Total	C	O	P	0
			45	36	8	1	
10	2	1	Total	C	O	P	0
			44	35	8	1	

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Mol	Chain	Residues	Atoms				AltConf
10	4	1	Total	C	O	P	0
			45	36	8	1	
10	6	1	Total	C	O	P	0
			44	35	8	1	
10	8	1	Total	C	O	P	0
			45	36	8	1	
10	0	1	Total	C	O	P	0
			44	35	8	1	
10	a	1	Total	C	O	P	0
			42	33	8	1	
10	a	1	Total	C	O	P	0
			51	40	10	1	
10	c	1	Total	C	O	P	0
			42	33	8	1	
10	c	1	Total	C	O	P	0
			51	40	10	1	
10	e	1	Total	C	O	P	0
			42	33	8	1	
10	e	1	Total	C	O	P	0
			51	40	10	1	
10	g	1	Total	C	O	P	0
			42	33	8	1	
10	g	1	Total	C	O	P	0
			51	40	10	1	
10	i	1	Total	C	O	P	0
			42	33	8	1	
10	i	1	Total	C	O	P	0
			51	40	10	1	
10	k	1	Total	C	O	P	0
			42	33	8	1	
10	k	1	Total	C	O	P	0
			51	40	10	1	
10	m	1	Total	C	O	P	0
			42	33	8	1	
10	m	1	Total	C	O	P	0
			51	40	10	1	
10	o	1	Total	C	O	P	0
			42	33	8	1	
10	o	1	Total	C	O	P	0
			51	40	10	1	
10	q	1	Total	C	O	P	0
			42	33	8	1	

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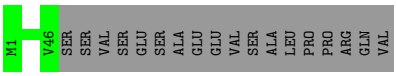
Mol	Chain	Residues	Atoms				AltConf
10	q	1	Total	C	O	P	0
			51	40	10	1	

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.

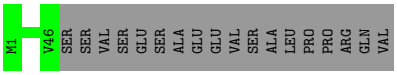
• Molecule 1: Antenna complex, alpha/beta subunit

Chain A:



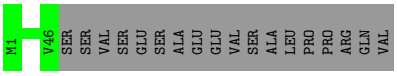
• Molecule 1: Antenna complex, alpha/beta subunit

Chain E:



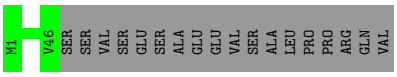
• Molecule 1: Antenna complex, alpha/beta subunit

Chain I:



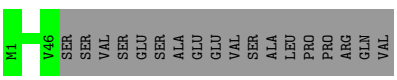
• Molecule 1: Antenna complex, alpha/beta subunit

Chain M:



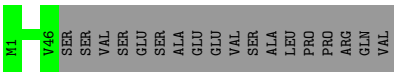
• Molecule 1: Antenna complex, alpha/beta subunit

Chain Q:



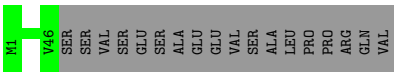
• Molecule 1: Antenna complex, alpha/beta subunit

Chain U:



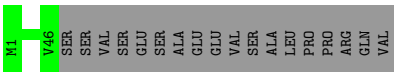
• Molecule 1: Antenna complex, alpha/beta subunit

Chain Y:



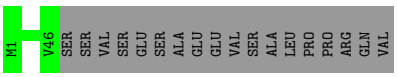
• Molecule 1: Antenna complex, alpha/beta subunit

Chain 3:



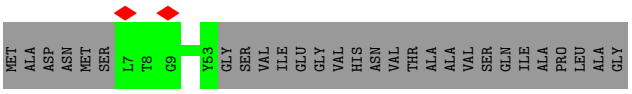
• Molecule 1: Antenna complex, alpha/beta subunit

Chain 7:



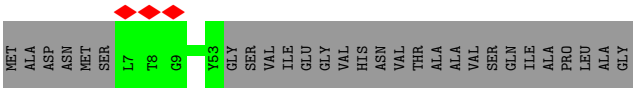
• Molecule 2: Antenna complex, alpha/beta subunit

Chain B:



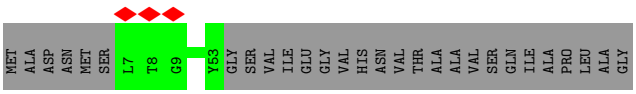
• Molecule 2: Antenna complex, alpha/beta subunit

Chain F:



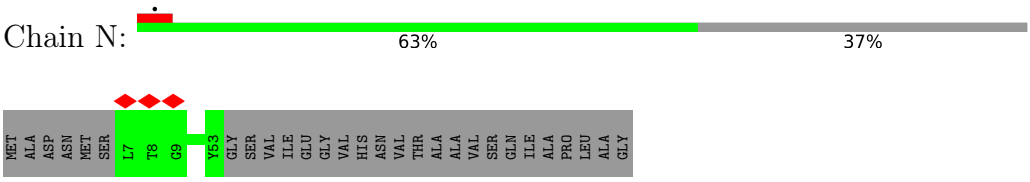
• Molecule 2: Antenna complex, alpha/beta subunit

Chain J:



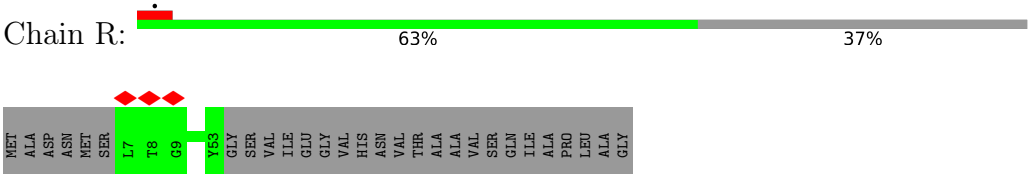
• Molecule 2: Antenna complex, alpha/beta subunit

Chain N:



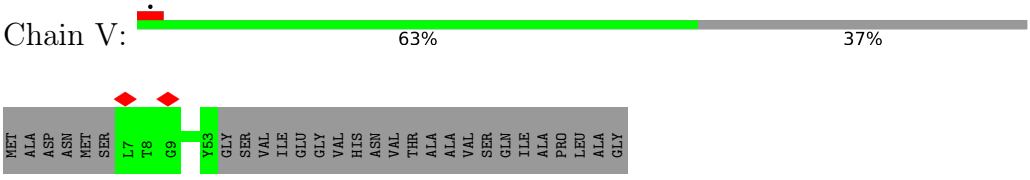
• Molecule 2: Antenna complex, alpha/beta subunit

Chain R:



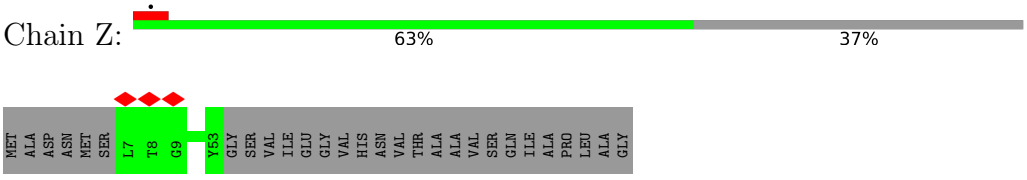
• Molecule 2: Antenna complex, alpha/beta subunit

Chain V:



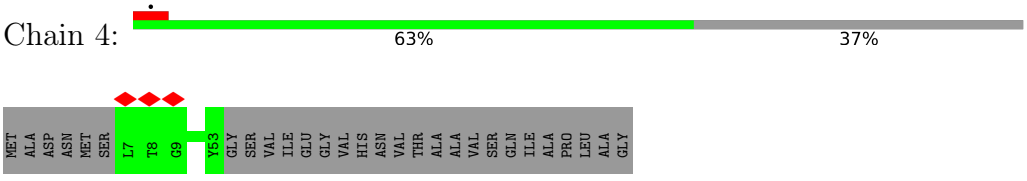
• Molecule 2: Antenna complex, alpha/beta subunit

Chain Z:



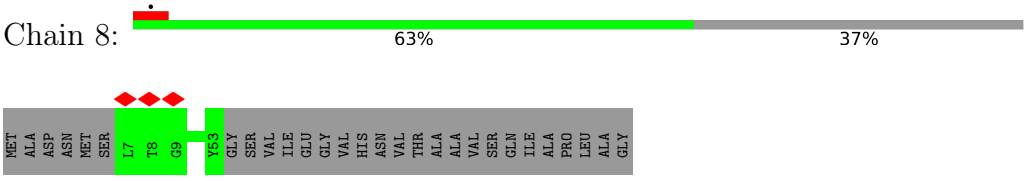
• Molecule 2: Antenna complex, alpha/beta subunit

Chain 4:



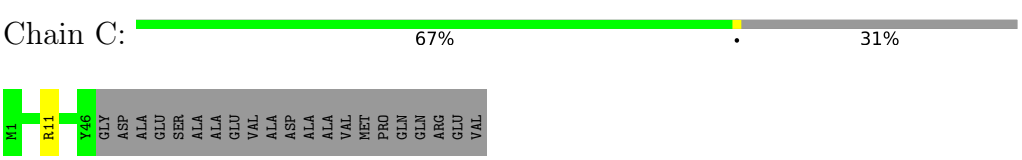
• Molecule 2: Antenna complex, alpha/beta subunit

Chain 8:



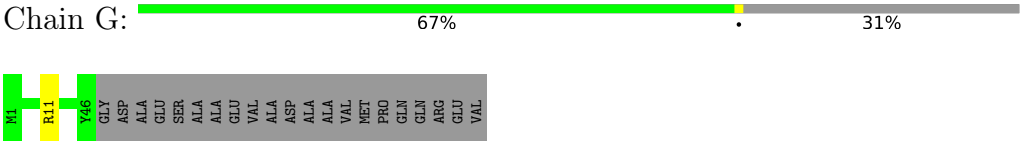
• Molecule 3: Antenna complex, alpha/beta subunit

Chain C:



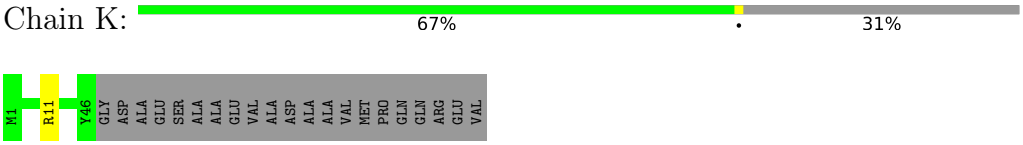
• Molecule 3: Antenna complex, alpha/beta subunit

Chain G:



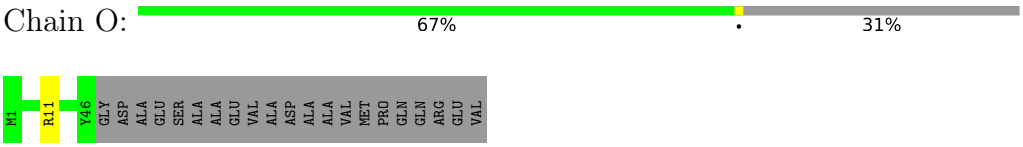
• Molecule 3: Antenna complex, alpha/beta subunit

Chain K:



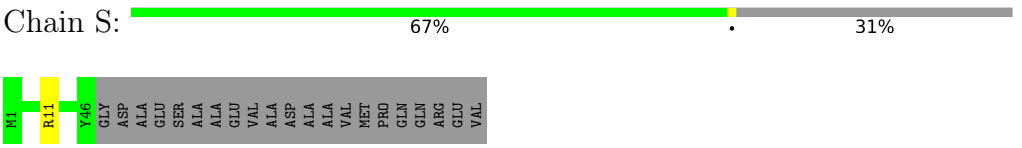
• Molecule 3: Antenna complex, alpha/beta subunit

Chain O:



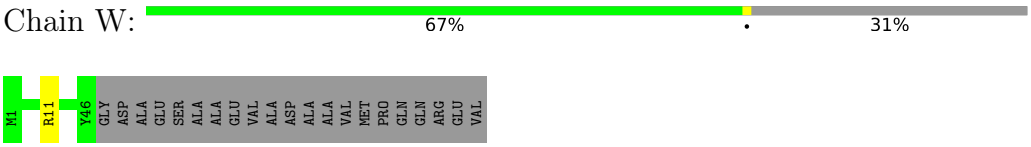
• Molecule 3: Antenna complex, alpha/beta subunit

Chain S:



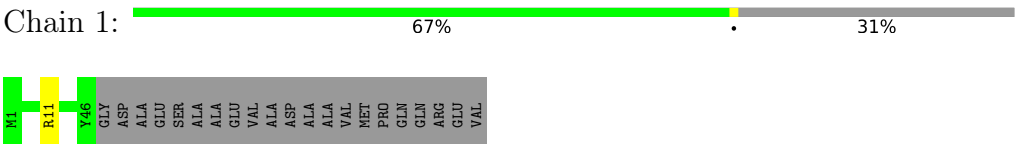
• Molecule 3: Antenna complex, alpha/beta subunit

Chain W:



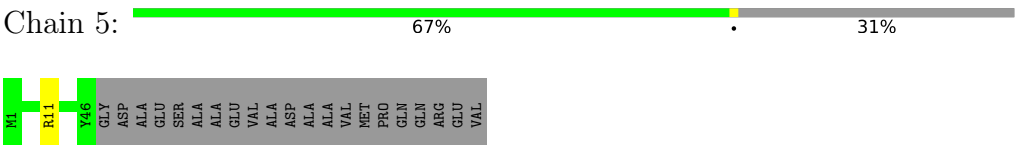
• Molecule 3: Antenna complex, alpha/beta subunit

Chain 1:



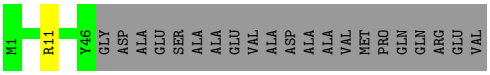
• Molecule 3: Antenna complex, alpha/beta subunit

Chain 5:



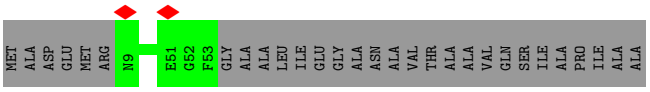
• Molecule 3: Antenna complex, alpha/beta subunit

Chain 9:



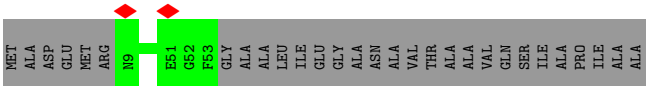
• Molecule 4: Antenna complex, alpha/beta subunit

Chain D:



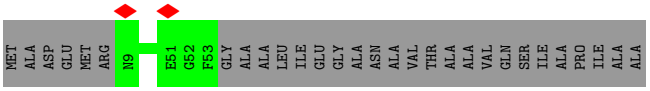
• Molecule 4: Antenna complex, alpha/beta subunit

Chain H:



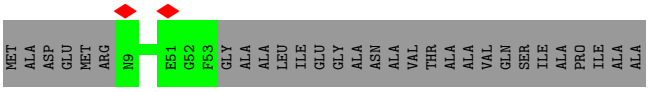
• Molecule 4: Antenna complex, alpha/beta subunit

Chain L:



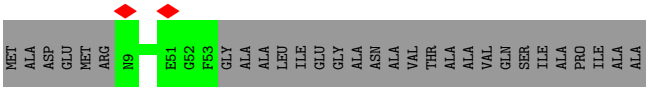
• Molecule 4: Antenna complex, alpha/beta subunit

Chain P:



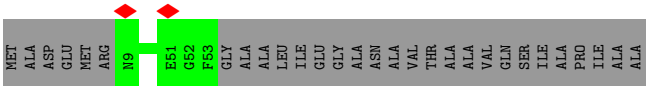
• Molecule 4: Antenna complex, alpha/beta subunit

Chain T:



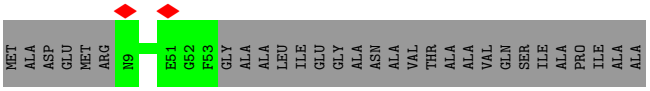
• Molecule 4: Antenna complex, alpha/beta subunit

Chain X:



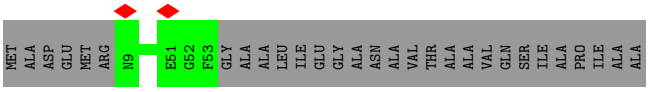
• Molecule 4: Antenna complex, alpha/beta subunit

Chain 2:



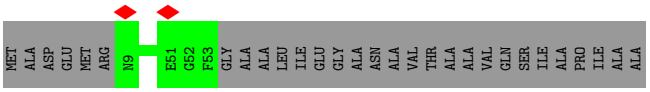
• Molecule 4: Antenna complex, alpha/beta subunit

Chain 6:



• Molecule 4: Antenna complex, alpha/beta subunit

Chain 0:

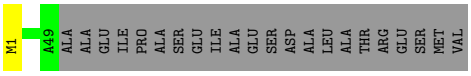


• Molecule 5: Antenna complex, alpha/beta subunit

Chain a:

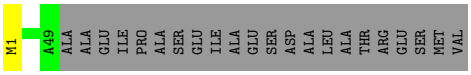
• Molecule 5: Antenna complex, alpha/beta subunit

Chain c:



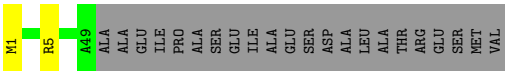
• Molecule 5: Antenna complex, alpha/beta subunit

Chain e:



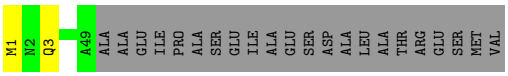
• Molecule 5: Antenna complex, alpha/beta subunit

Chain g:



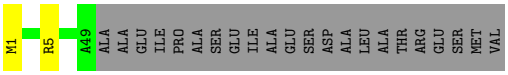
• Molecule 5: Antenna complex, alpha/beta subunit

Chain i:



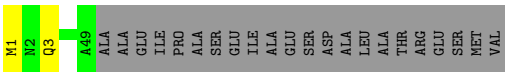
• Molecule 5: Antenna complex, alpha/beta subunit

Chain k:



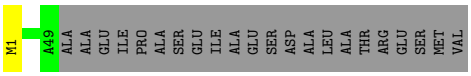
• Molecule 5: Antenna complex, alpha/beta subunit

Chain m:



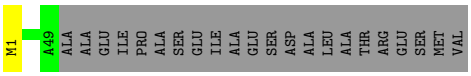
• Molecule 5: Antenna complex, alpha/beta subunit

Chain o:



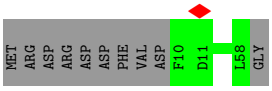
• Molecule 5: Antenna complex, alpha/beta subunit

Chain q:



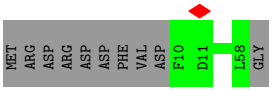
• Molecule 6: Antenna complex, alpha/beta subunit

Chain b:



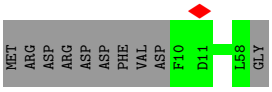
• Molecule 6: Antenna complex, alpha/beta subunit

Chain d:



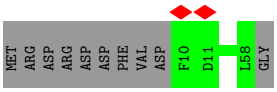
• Molecule 6: Antenna complex, alpha/beta subunit

Chain f:



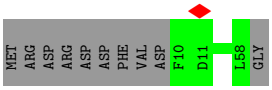
• Molecule 6: Antenna complex, alpha/beta subunit

Chain h:



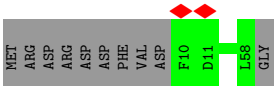
• Molecule 6: Antenna complex, alpha/beta subunit

Chain j:



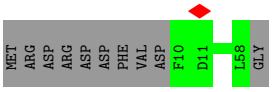
• Molecule 6: Antenna complex, alpha/beta subunit

Chain l:



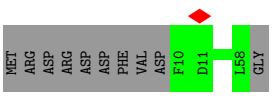
• Molecule 6: Antenna complex, alpha/beta subunit

Chain n:



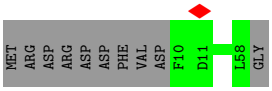
• Molecule 6: Antenna complex, alpha/beta subunit

Chain p:



• Molecule 6: Antenna complex, alpha/beta subunit

Chain r:



4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	126108	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING ONLY	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	40	Depositor
Minimum defocus (nm)	1100	Depositor
Maximum defocus (nm)	2700	Depositor
Magnification	Not provided	
Image detector	FEI FALCON III (4k x 4k)	Depositor
Maximum map value	0.252	Depositor
Minimum map value	-0.123	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.008	Depositor
Recommended contour level	0.035	Depositor
Map size (Å)	328.0, 328.0, 328.0	wwPDB
Map dimensions	400, 400, 400	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	0.82, 0.82, 0.82	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: CXM, LMT, PGV, CRT, BCL

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	3	0.26	0/398	0.45	0/543
1	7	0.26	0/398	0.46	0/543
1	A	0.26	0/398	0.46	0/543
1	E	0.25	0/398	0.46	0/543
1	I	0.26	0/398	0.45	0/543
1	M	0.26	0/398	0.46	0/543
1	Q	0.26	0/398	0.46	0/543
1	U	0.26	0/398	0.45	0/543
1	Y	0.25	0/398	0.45	0/543
2	4	0.27	0/395	0.36	0/539
2	8	0.26	0/395	0.35	0/539
2	B	0.26	0/395	0.36	0/539
2	F	0.27	0/395	0.35	0/539
2	J	0.27	0/395	0.36	0/539
2	N	0.27	0/395	0.36	0/539
2	R	0.27	0/395	0.36	0/539
2	V	0.26	0/395	0.36	0/539
2	Z	0.26	0/395	0.36	0/539
3	1	0.25	0/402	0.45	0/547
3	5	0.25	0/402	0.44	0/547
3	9	0.25	0/402	0.44	0/547
3	C	0.25	0/402	0.44	0/547
3	G	0.25	0/402	0.44	0/547
3	K	0.25	0/402	0.44	0/547
3	O	0.25	0/402	0.44	0/547
3	S	0.25	0/402	0.44	0/547
3	W	0.26	0/402	0.44	0/547
4	0	0.27	0/376	0.35	0/514
4	2	0.27	0/376	0.36	0/514
4	6	0.27	0/376	0.36	0/514
4	D	0.27	0/376	0.36	0/514
4	H	0.27	0/376	0.36	0/514

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\| > 5$	RMSZ	$\#\|Z\| > 5$
4	L	0.27	0/376	0.36	0/514
4	P	0.27	0/376	0.36	0/514
4	T	0.27	0/376	0.36	0/514
4	X	0.27	0/376	0.36	0/514
5	a	0.28	0/383	0.46	0/526
5	c	0.28	0/383	0.46	0/526
5	e	0.28	0/383	0.46	0/526
5	g	0.28	0/383	0.45	0/526
5	i	0.28	0/383	0.46	0/526
5	k	0.28	0/383	0.46	0/526
5	m	0.28	0/383	0.46	0/526
5	o	0.28	0/383	0.46	0/526
5	q	0.28	0/383	0.45	0/526
6	b	0.27	0/406	0.43	0/558
6	d	0.27	0/406	0.43	0/558
6	f	0.27	0/406	0.43	0/558
6	h	0.27	0/406	0.43	0/558
6	j	0.27	0/406	0.44	0/558
6	l	0.27	0/406	0.44	0/558
6	n	0.27	0/406	0.43	0/558
6	p	0.27	0/406	0.43	0/558
6	r	0.27	0/406	0.43	0/558
All	All	0.27	0/21240	0.42	0/29043

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)

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

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	3	44/64 (69%)	44 (100%)	0	0	100	100
1	7	44/64 (69%)	44 (100%)	0	0	100	100
1	A	44/64 (69%)	44 (100%)	0	0	100	100
1	E	44/64 (69%)	44 (100%)	0	0	100	100
1	I	44/64 (69%)	44 (100%)	0	0	100	100
1	M	44/64 (69%)	44 (100%)	0	0	100	100
1	Q	44/64 (69%)	44 (100%)	0	0	100	100
1	U	44/64 (69%)	44 (100%)	0	0	100	100
1	Y	44/64 (69%)	44 (100%)	0	0	100	100
2	4	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
2	8	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
2	B	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
2	F	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
2	J	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
2	N	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
2	R	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
2	V	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
2	Z	45/75 (60%)	43 (96%)	2 (4%)	0	100	100
3	1	44/67 (66%)	43 (98%)	1 (2%)	0	100	100
3	5	44/67 (66%)	43 (98%)	1 (2%)	0	100	100
3	9	44/67 (66%)	43 (98%)	1 (2%)	0	100	100
3	C	44/67 (66%)	44 (100%)	0	0	100	100
3	G	44/67 (66%)	43 (98%)	1 (2%)	0	100	100
3	K	44/67 (66%)	43 (98%)	1 (2%)	0	100	100
3	O	44/67 (66%)	43 (98%)	1 (2%)	0	100	100
3	S	44/67 (66%)	43 (98%)	1 (2%)	0	100	100
3	W	44/67 (66%)	43 (98%)	1 (2%)	0	100	100
4	0	43/74 (58%)	42 (98%)	1 (2%)	0	100	100
4	2	43/74 (58%)	42 (98%)	1 (2%)	0	100	100
4	6	43/74 (58%)	42 (98%)	1 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
4	D	43/74 (58%)	42 (98%)	1 (2%)	0	100	100
4	H	43/74 (58%)	42 (98%)	1 (2%)	0	100	100
4	L	43/74 (58%)	42 (98%)	1 (2%)	0	100	100
4	P	43/74 (58%)	42 (98%)	1 (2%)	0	100	100
4	T	43/74 (58%)	42 (98%)	1 (2%)	0	100	100
4	X	43/74 (58%)	42 (98%)	1 (2%)	0	100	100
5	a	47/71 (66%)	47 (100%)	0	0	100	100
5	c	47/71 (66%)	47 (100%)	0	0	100	100
5	e	47/71 (66%)	47 (100%)	0	0	100	100
5	g	47/71 (66%)	47 (100%)	0	0	100	100
5	i	47/71 (66%)	47 (100%)	0	0	100	100
5	k	47/71 (66%)	47 (100%)	0	0	100	100
5	m	47/71 (66%)	47 (100%)	0	0	100	100
5	o	47/71 (66%)	47 (100%)	0	0	100	100
5	q	47/71 (66%)	47 (100%)	0	0	100	100
6	b	47/59 (80%)	47 (100%)	0	0	100	100
6	d	47/59 (80%)	47 (100%)	0	0	100	100
6	f	47/59 (80%)	47 (100%)	0	0	100	100
6	h	47/59 (80%)	47 (100%)	0	0	100	100
6	j	47/59 (80%)	47 (100%)	0	0	100	100
6	l	47/59 (80%)	47 (100%)	0	0	100	100
6	n	47/59 (80%)	47 (100%)	0	0	100	100
6	p	47/59 (80%)	47 (100%)	0	0	100	100
6	r	47/59 (80%)	47 (100%)	0	0	100	100
All	All	2430/3690 (66%)	2395 (99%)	35 (1%)	0	100	100

There are no Ramachandran outliers to report.

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	3	39/55 (71%)	39 (100%)	0	100	100
1	7	39/55 (71%)	39 (100%)	0	100	100
1	A	39/55 (71%)	39 (100%)	0	100	100
1	E	39/55 (71%)	39 (100%)	0	100	100
1	I	39/55 (71%)	39 (100%)	0	100	100
1	M	39/55 (71%)	39 (100%)	0	100	100
1	Q	39/55 (71%)	39 (100%)	0	100	100
1	U	39/55 (71%)	39 (100%)	0	100	100
1	Y	39/55 (71%)	39 (100%)	0	100	100
2	4	37/57 (65%)	37 (100%)	0	100	100
2	8	37/57 (65%)	37 (100%)	0	100	100
2	B	37/57 (65%)	37 (100%)	0	100	100
2	F	37/57 (65%)	37 (100%)	0	100	100
2	J	37/57 (65%)	37 (100%)	0	100	100
2	N	37/57 (65%)	37 (100%)	0	100	100
2	R	37/57 (65%)	37 (100%)	0	100	100
2	V	37/57 (65%)	37 (100%)	0	100	100
2	Z	37/57 (65%)	37 (100%)	0	100	100
3	1	41/55 (74%)	40 (98%)	1 (2%)	44	57
3	5	41/55 (74%)	40 (98%)	1 (2%)	44	57
3	9	41/55 (74%)	40 (98%)	1 (2%)	44	57
3	C	41/55 (74%)	40 (98%)	1 (2%)	44	57
3	G	41/55 (74%)	40 (98%)	1 (2%)	44	57
3	K	41/55 (74%)	40 (98%)	1 (2%)	44	57
3	O	41/55 (74%)	40 (98%)	1 (2%)	44	57
3	S	41/55 (74%)	40 (98%)	1 (2%)	44	57
3	W	41/55 (74%)	40 (98%)	1 (2%)	44	57
4	0	35/52 (67%)	35 (100%)	0	100	100
4	2	35/52 (67%)	35 (100%)	0	100	100
4	6	35/52 (67%)	35 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
4	D	35/52 (67%)	35 (100%)	0	100	100
4	H	35/52 (67%)	35 (100%)	0	100	100
4	L	35/52 (67%)	35 (100%)	0	100	100
4	P	35/52 (67%)	35 (100%)	0	100	100
4	T	35/52 (67%)	35 (100%)	0	100	100
4	X	35/52 (67%)	35 (100%)	0	100	100
5	a	40/56 (71%)	40 (100%)	0	100	100
5	c	40/56 (71%)	40 (100%)	0	100	100
5	e	40/56 (71%)	40 (100%)	0	100	100
5	g	40/56 (71%)	39 (98%)	1 (2%)	42	56
5	i	40/56 (71%)	39 (98%)	1 (2%)	42	56
5	k	40/56 (71%)	39 (98%)	1 (2%)	42	56
5	m	40/56 (71%)	39 (98%)	1 (2%)	42	56
5	o	40/56 (71%)	40 (100%)	0	100	100
5	q	40/56 (71%)	40 (100%)	0	100	100
6	b	40/49 (82%)	40 (100%)	0	100	100
6	d	40/49 (82%)	40 (100%)	0	100	100
6	f	40/49 (82%)	40 (100%)	0	100	100
6	h	40/49 (82%)	40 (100%)	0	100	100
6	j	40/49 (82%)	40 (100%)	0	100	100
6	l	40/49 (82%)	40 (100%)	0	100	100
6	n	40/49 (82%)	40 (100%)	0	100	100
6	p	40/49 (82%)	40 (100%)	0	100	100
6	r	40/49 (82%)	40 (100%)	0	100	100
All	All	2088/2916 (72%)	2075 (99%)	13 (1%)	82	91

All (13) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
3	C	11	ARG
3	G	11	ARG
3	K	11	ARG
3	O	11	ARG
3	S	11	ARG

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Mol	Chain	Res	Type
3	W	11	ARG
3	1	11	ARG
3	5	11	ARG
3	9	11	ARG
5	g	5	ARG
5	i	3	GLN
5	k	5	ARG
5	m	3	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (18) such sidechains are listed below:

Mol	Chain	Res	Type
3	C	39	ASN
3	G	39	ASN
3	K	39	ASN
3	O	39	ASN
3	S	39	ASN
3	W	39	ASN
3	1	39	ASN
3	5	39	ASN
3	9	39	ASN
5	a	2	ASN
5	c	2	ASN
5	e	2	ASN
5	g	2	ASN
5	i	2	ASN
5	k	2	ASN
5	m	2	ASN
5	o	2	ASN
5	q	2	ASN

5.3.3 RNA

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains

9 non-standard protein/DNA/RNA residues 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	$\#\|Z\| > 2$
5	CXM	e	1	7,5	8,10,11	0.49	0	7,11,13	1.18	1 (14%)
5	CXM	o	1	7,5	8,10,11	0.49	0	7,11,13	1.18	1 (14%)
5	CXM	c	1	7,5	8,10,11	0.50	0	7,11,13	1.14	1 (14%)
5	CXM	q	1	7,5	8,10,11	0.49	0	7,11,13	1.15	1 (14%)
5	CXM	a	1	7,5	8,10,11	0.50	0	7,11,13	1.17	1 (14%)
5	CXM	m	1	7,5	8,10,11	0.48	0	7,11,13	1.14	1 (14%)
5	CXM	i	1	7,5	8,10,11	0.50	0	7,11,13	1.18	1 (14%)
5	CXM	k	1	7,5	8,10,11	0.48	0	7,11,13	1.14	1 (14%)
5	CXM	g	1	7,5	8,10,11	0.50	0	7,11,13	1.14	1 (14%)

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
5	CXM	e	1	7,5	-	2/9/10/12	-
5	CXM	o	1	7,5	-	2/9/10/12	-
5	CXM	c	1	7,5	-	2/9/10/12	-
5	CXM	q	1	7,5	-	2/9/10/12	-
5	CXM	a	1	7,5	-	2/9/10/12	-
5	CXM	m	1	7,5	-	2/9/10/12	-
5	CXM	i	1	7,5	-	2/9/10/12	-
5	CXM	k	1	7,5	-	2/9/10/12	-
5	CXM	g	1	7,5	-	2/9/10/12	-

There are no bond length outliers.

All (9) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
5	i	1	CXM	O-C-CA	-2.61	117.94	124.78
5	e	1	CXM	O-C-CA	-2.60	117.96	124.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
5	a	1	CXM	O-C-CA	-2.60	117.97	124.78
5	o	1	CXM	O-C-CA	-2.60	117.97	124.78
5	q	1	CXM	O-C-CA	-2.60	117.97	124.78
5	m	1	CXM	O-C-CA	-2.57	118.04	124.78
5	k	1	CXM	O-C-CA	-2.57	118.05	124.78
5	c	1	CXM	O-C-CA	-2.57	118.05	124.78
5	g	1	CXM	O-C-CA	-2.55	118.09	124.78

There are no chirality outliers.

All (18) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
5	a	1	CXM	C-CA-N-CN
5	c	1	CXM	C-CA-N-CN
5	g	1	CXM	C-CA-N-CN
5	i	1	CXM	C-CA-N-CN
5	o	1	CXM	C-CA-N-CN
5	q	1	CXM	C-CA-N-CN
5	a	1	CXM	CB-CA-N-CN
5	c	1	CXM	CB-CA-N-CN
5	e	1	CXM	CB-CA-N-CN
5	g	1	CXM	CB-CA-N-CN
5	i	1	CXM	CB-CA-N-CN
5	k	1	CXM	CB-CA-N-CN
5	m	1	CXM	CB-CA-N-CN
5	o	1	CXM	CB-CA-N-CN
5	q	1	CXM	CB-CA-N-CN
5	e	1	CXM	C-CA-N-CN
5	k	1	CXM	C-CA-N-CN
5	m	1	CXM	C-CA-N-CN

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

171 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	$\#\|Z\| > 2$
7	BCL	6	101	-	64,74,74	1.67	11 (17%)	78,115,115	2.16	19 (24%)
10	PGV	q	105	-	50,50,50	0.91	2 (4%)	53,56,56	0.95	2 (3%)
8	LMT	9	103	-	36,36,36	0.41	0	47,47,47	0.88	1 (2%)
8	LMT	p	101	-	36,36,36	0.38	0	47,47,47	0.77	1 (2%)
10	PGV	4	103	-	44,44,50	0.97	2 (4%)	47,49,56	0.99	2 (4%)
8	LMT	A	102	-	36,36,36	0.38	0	47,47,47	0.65	1 (2%)
7	BCL	2	102	-	64,74,74	1.67	12 (18%)	78,115,115	2.18	19 (24%)
8	LMT	j	101	-	36,36,36	0.39	0	47,47,47	0.77	1 (2%)
8	LMT	1	103	-	36,36,36	0.37	0	47,47,47	0.90	1 (2%)
7	BCL	5	102	-	64,74,74	1.69	13 (20%)	78,115,115	2.20	21 (26%)
8	LMT	C	104	-	36,36,36	0.41	0	47,47,47	0.82	1 (2%)
7	BCL	g	102	5	64,74,74	1.67	13 (20%)	78,115,115	2.28	23 (29%)
10	PGV	g	104	-	50,50,50	0.91	2 (4%)	53,56,56	0.96	2 (3%)
8	LMT	r	101	-	36,36,36	0.38	0	47,47,47	0.80	1 (2%)
7	BCL	X	101	-	64,74,74	1.68	11 (17%)	78,115,115	2.13	19 (24%)
7	BCL	C	102	-	64,74,74	1.70	14 (21%)	78,115,115	2.24	20 (25%)
7	BCL	k	103	5	64,74,74	1.67	13 (20%)	78,115,115	2.32	23 (29%)
8	LMT	3	102	-	36,36,36	0.39	0	47,47,47	0.70	1 (2%)
8	LMT	M	102	-	36,36,36	0.39	0	47,47,47	0.67	0
7	BCL	q	102	-	64,74,74	1.68	12 (18%)	78,115,115	2.15	19 (24%)
7	BCL	a	101	-	64,74,74	1.68	12 (18%)	78,115,115	2.16	20 (25%)
8	LMT	Y	102	-	36,36,36	0.40	0	47,47,47	0.68	0
10	PGV	2	101	-	44,44,50	0.97	2 (4%)	47,49,56	1.00	2 (4%)
7	BCL	l	102	-	64,74,74	1.67	13 (20%)	78,115,115	2.10	20 (25%)
10	PGV	m	104	-	41,41,50	1.01	2 (4%)	44,46,56	1.14	3 (6%)
7	BCL	5	101	-	64,74,74	1.70	13 (20%)	78,115,115	2.33	24 (30%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
7	BCL	V	102	-	64,74,74	1.67	12 (18%)	78,115,115	2.15	19 (24%)
10	PGV	k	104	-	41,41,50	1.01	2 (4%)	44,46,56	1.09	3 (6%)
7	BCL	n	102	-	64,74,74	1.67	13 (20%)	78,115,115	2.12	19 (24%)
8	LMT	b	102	-	36,36,36	0.38	0	47,47,47	0.80	1 (2%)
7	BCL	M	101	-	64,74,74	1.68	12 (18%)	78,115,115	2.21	20 (25%)
10	PGV	i	104	-	50,50,50	0.91	2 (4%)	53,56,56	0.94	2 (3%)
7	BCL	O	101	-	64,74,74	1.70	13 (20%)	78,115,115	2.28	25 (32%)
8	LMT	U	102	-	36,36,36	0.39	0	47,47,47	0.64	1 (2%)
10	PGV	q	104	-	41,41,50	1.01	2 (4%)	44,46,56	1.11	3 (6%)
10	PGV	D	102	-	43,43,50	0.97	2 (4%)	46,48,56	1.10	3 (6%)
8	LMT	9	104	-	36,36,36	0.41	0	47,47,47	0.81	1 (2%)
8	LMT	W	105	-	33,33,36	0.43	0	44,44,47	0.96	4 (9%)
7	BCL	P	101	-	64,74,74	1.67	11 (17%)	78,115,115	2.18	19 (24%)
10	PGV	e	104	-	41,41,50	1.01	2 (4%)	44,46,56	1.05	2 (4%)
7	BCL	L	101	-	64,74,74	1.67	11 (17%)	78,115,115	2.19	21 (26%)
7	BCL	Q	101	-	64,74,74	1.67	12 (18%)	78,115,115	2.23	20 (25%)
8	LMT	5	105	-	33,33,36	0.43	0	44,44,47	0.94	4 (9%)
7	BCL	m	102	-	64,74,74	1.69	13 (20%)	78,115,115	2.16	19 (24%)
7	BCL	o	102	-	64,74,74	1.68	12 (18%)	78,115,115	2.19	19 (24%)
10	PGV	F	103	-	44,44,50	0.97	2 (4%)	47,49,56	0.99	2 (4%)
8	LMT	Q	102	-	36,36,36	0.39	0	47,47,47	0.66	1 (2%)
7	BCL	W	102	-	64,74,74	1.70	13 (20%)	78,115,115	2.23	23 (29%)
10	PGV	a	103	-	41,41,50	1.02	2 (4%)	44,46,56	1.07	2 (4%)
8	LMT	S	104	-	36,36,36	0.41	0	47,47,47	0.83	1 (2%)
9	CRT	b	101	-	41,43,43	0.71	0	50,54,54	1.89	13 (26%)
7	BCL	d	102	-	64,74,74	1.66	13 (20%)	78,115,115	2.12	20 (25%)
8	LMT	C	105	-	33,33,36	0.43	0	44,44,47	0.94	3 (6%)
9	CRT	h	101	-	41,43,43	0.72	0	50,54,54	1.85	13 (26%)
10	PGV	g	103	-	41,41,50	1.01	2 (4%)	44,46,56	1.08	3 (6%)
8	LMT	1	104	-	36,36,36	0.40	0	47,47,47	0.84	1 (2%)
7	BCL	D	101	-	64,74,74	1.67	12 (18%)	78,115,115	2.17	19 (24%)
10	PGV	P	102	-	43,43,50	0.97	2 (4%)	46,48,56	1.10	2 (4%)
10	PGV	6	102	-	43,43,50	0.96	2 (4%)	46,48,56	1.09	3 (6%)
7	BCL	G	102	-	64,74,74	1.70	14 (21%)	78,115,115	2.20	21 (26%)
7	BCL	b	103	-	64,74,74	1.67	14 (21%)	78,115,115	2.14	20 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
10	PGV	L	102	-	43,43,50	0.96	2 (4%)	46,48,56	1.09	3 (6%)
7	BCL	e	102	-	64,74,74	1.68	12 (18%)	78,115,115	2.15	20 (25%)
9	CRT	a	105	-	41,43,43	0.72	0	50,54,54	1.84	13 (26%)
10	PGV	R	103	-	44,44,50	0.97	2 (4%)	47,49,56	1.00	2 (4%)
7	BCL	8	102	-	64,74,74	1.67	11 (17%)	78,115,115	2.15	19 (24%)
7	BCL	S	102	-	64,74,74	1.68	13 (20%)	78,115,115	2.26	20 (25%)
9	CRT	B	101	-	41,43,43	0.78	0	50,54,54	3.51	16 (32%)
10	PGV	i	103	-	41,41,50	1.01	2 (4%)	44,46,56	1.09	3 (6%)
9	CRT	F	101	-	41,43,43	0.79	0	50,54,54	3.52	18 (36%)
8	LMT	n	101	-	36,36,36	0.38	0	47,47,47	0.81	1 (2%)
8	LMT	K	105	-	33,33,36	0.43	0	44,44,47	0.96	3 (6%)
7	BCL	C	101	-	64,74,74	1.70	13 (20%)	78,115,115	2.33	25 (32%)
7	BCL	G	101	-	64,74,74	1.70	13 (20%)	78,115,115	2.29	23 (29%)
7	BCL	S	101	-	64,74,74	1.71	13 (20%)	78,115,115	2.31	23 (29%)
7	BCL	i	102	5	64,74,74	1.67	13 (20%)	78,115,115	2.29	23 (29%)
8	LMT	G	104	-	36,36,36	0.39	0	47,47,47	0.84	1 (2%)
8	LMT	d	101	-	36,36,36	0.38	0	47,47,47	0.81	1 (2%)
7	BCL	o	103	5	64,74,74	1.68	13 (20%)	78,115,115	2.28	23 (29%)
8	LMT	5	103	-	36,36,36	0.40	0	47,47,47	0.91	2 (4%)
8	LMT	f	102	-	36,36,36	0.38	0	47,47,47	0.78	1 (2%)
7	BCL	E	101	-	64,74,74	1.67	12 (18%)	78,115,115	2.25	22 (28%)
10	PGV	m	105	-	50,50,50	0.90	2 (4%)	53,56,56	0.97	2 (3%)
10	PGV	o	105	-	50,50,50	0.91	2 (4%)	53,56,56	0.94	2 (3%)
9	CRT	V	101	-	41,43,43	0.78	0	50,54,54	3.52	20 (40%)
7	BCL	c	102	5	64,74,74	1.66	13 (20%)	78,115,115	2.31	22 (28%)
9	CRT	R	101	-	41,43,43	0.78	0	50,54,54	3.49	17 (34%)
9	CRT	m	101	-	41,43,43	0.72	0	50,54,54	1.88	14 (28%)
10	PGV	c	104	-	50,50,50	0.90	2 (4%)	53,56,56	0.95	2 (3%)
7	BCL	U	101	-	64,74,74	1.66	12 (18%)	78,115,115	2.25	20 (25%)
8	LMT	I	102	-	36,36,36	0.39	0	47,47,47	0.63	0
7	BCL	3	101	-	64,74,74	1.68	13 (20%)	78,115,115	2.22	20 (25%)
9	CRT	8	101	-	41,43,43	0.78	0	50,54,54	3.48	17 (34%)
10	PGV	2	103	-	43,43,50	0.97	2 (4%)	46,48,56	1.09	2 (4%)
7	BCL	e	103	5	64,74,74	1.67	13 (20%)	78,115,115	2.27	22 (28%)
7	BCL	K	102	-	64,74,74	1.69	12 (18%)	78,115,115	2.25	20 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
7	BCL	q	103	5	64,74,74	1.68	13 (20%)	78,115,115	2.28	21 (26%)
8	LMT	9	105	-	33,33,36	0.43	0	44,44,47	1.01	2 (4%)
7	BCL	m	103	5	64,74,74	1.67	13 (20%)	78,115,115	2.31	22 (28%)
8	LMT	E	102	-	36,36,36	0.39	0	47,47,47	0.63	1 (2%)
9	CRT	4	101	-	41,43,43	0.77	0	50,54,54	3.48	17 (34%)
10	PGV	e	105	-	50,50,50	0.91	2 (4%)	53,56,56	0.96	2 (3%)
10	PGV	B	103	-	44,44,50	0.97	2 (4%)	47,49,56	1.00	2 (4%)
8	LMT	1	105	-	33,33,36	0.42	0	44,44,47	1.01	2 (4%)
7	BCL	J	102	-	64,74,74	1.68	12 (18%)	78,115,115	2.16	19 (24%)
7	BCL	F	102	-	64,74,74	1.67	12 (18%)	78,115,115	2.15	19 (24%)
7	BCL	Z	102	-	64,74,74	1.67	13 (20%)	78,115,115	2.18	19 (24%)
7	BCL	1	102	-	64,74,74	1.70	13 (20%)	78,115,115	2.22	22 (28%)
7	BCL	g	101	-	64,74,74	1.68	11 (17%)	78,115,115	2.18	21 (26%)
7	BCL	A	101	-	64,74,74	1.68	12 (18%)	78,115,115	2.26	22 (28%)
7	BCL	j	102	-	64,74,74	1.68	14 (21%)	78,115,115	2.12	19 (24%)
8	LMT	5	104	-	36,36,36	0.39	0	47,47,47	0.83	1 (2%)
8	LMT	l	101	-	36,36,36	0.38	0	47,47,47	0.80	1 (2%)
9	CRT	Z	101	-	41,43,43	0.79	0	50,54,54	3.50	19 (38%)
8	LMT	W	103	-	36,36,36	0.39	0	47,47,47	0.96	3 (6%)
7	BCL	c	101	-	64,74,74	1.68	12 (18%)	78,115,115	2.16	19 (24%)
7	BCL	f	103	-	64,74,74	1.68	13 (20%)	78,115,115	2.11	18 (23%)
10	PGV	k	105	-	50,50,50	0.91	2 (4%)	53,56,56	0.96	2 (3%)
7	BCL	N	102	-	64,74,74	1.67	13 (20%)	78,115,115	2.18	19 (24%)
8	LMT	O	103	-	36,36,36	0.39	0	47,47,47	0.89	2 (4%)
8	LMT	K	104	-	36,36,36	0.40	0	47,47,47	0.82	1 (2%)
8	LMT	W	104	-	36,36,36	0.40	0	47,47,47	0.81	1 (2%)
8	LMT	h	102	-	36,36,36	0.38	0	47,47,47	0.80	1 (2%)
9	CRT	e	101	-	41,43,43	0.73	0	50,54,54	1.89	13 (26%)
10	PGV	X	102	-	43,43,50	0.97	2 (4%)	46,48,56	1.11	3 (6%)
7	BCL	1	101	-	64,74,74	1.71	12 (18%)	78,115,115	2.29	25 (32%)
7	BCL	W	101	-	64,74,74	1.70	13 (20%)	78,115,115	2.30	23 (29%)
7	BCL	0	101	-	64,74,74	1.67	12 (18%)	78,115,115	2.17	19 (24%)
10	PGV	0	102	-	43,43,50	0.97	2 (4%)	46,48,56	1.10	3 (6%)
10	PGV	c	103	-	41,41,50	1.01	2 (4%)	44,46,56	1.07	3 (6%)
7	BCL	r	102	-	64,74,74	1.67	13 (20%)	78,115,115	2.11	20 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
10	PGV	J	103	-	44,44,50	0.97	2 (4%)	47,49,56	0.99	2 (4%)
7	BCL	K	101	-	64,74,74	1.70	13 (20%)	78,115,115	2.30	24 (30%)
8	LMT	C	103	-	36,36,36	0.38	0	47,47,47	0.84	1 (2%)
10	PGV	8	103	-	44,44,50	0.97	2 (4%)	47,49,56	0.99	2 (4%)
7	BCL	T	101	-	64,74,74	1.67	10 (15%)	78,115,115	2.17	19 (24%)
7	BCL	7	101	-	64,74,74	1.67	12 (18%)	78,115,115	2.22	20 (25%)
7	BCL	O	102	-	64,74,74	1.69	13 (20%)	78,115,115	2.27	20 (25%)
9	CRT	f	101	-	41,43,43	0.73	0	50,54,54	1.90	12 (24%)
8	LMT	7	102	-	36,36,36	0.39	0	47,47,47	0.65	1 (2%)
9	CRT	N	101	-	41,43,43	0.78	0	50,54,54	3.50	17 (34%)
7	BCL	9	101	-	64,74,74	1.70	13 (20%)	78,115,115	2.26	24 (30%)
10	PGV	N	103	-	44,44,50	0.97	2 (4%)	47,49,56	1.00	2 (4%)
7	BCL	p	102	-	64,74,74	1.67	13 (20%)	78,115,115	2.14	20 (25%)
8	LMT	S	105	-	33,33,36	0.43	0	44,44,47	0.97	3 (6%)
7	BCL	R	102	-	64,74,74	1.67	12 (18%)	78,115,115	2.17	19 (24%)
10	PGV	H	102	-	43,43,50	0.98	2 (4%)	46,48,56	1.10	3 (6%)
8	LMT	K	103	-	36,36,36	0.39	0	47,47,47	1.02	3 (6%)
8	LMT	O	104	-	36,36,36	0.38	0	47,47,47	0.83	1 (2%)
7	BCL	B	102	-	64,74,74	1.67	12 (18%)	78,115,115	2.15	19 (24%)
7	BCL	4	102	-	64,74,74	1.67	12 (18%)	78,115,115	2.16	19 (24%)
9	CRT	q	101	-	41,43,43	0.71	0	50,54,54	1.87	13 (26%)
7	BCL	H	101	-	64,74,74	1.66	11 (17%)	78,115,115	2.16	19 (24%)
9	CRT	o	101	-	41,43,43	0.73	0	50,54,54	1.90	13 (26%)
10	PGV	a	104	-	50,50,50	0.92	2 (4%)	53,56,56	0.97	3 (5%)
10	PGV	o	104	-	41,41,50	1.01	2 (4%)	44,46,56	1.09	3 (6%)
9	CRT	k	101	-	41,43,43	0.72	0	50,54,54	1.90	11 (22%)
7	BCL	a	102	5	64,74,74	1.68	14 (21%)	78,115,115	2.28	23 (29%)
7	BCL	k	102	-	64,74,74	1.69	12 (18%)	78,115,115	2.17	20 (25%)
8	LMT	G	103	-	36,36,36	0.40	0	47,47,47	0.87	2 (4%)
10	PGV	T	102	-	43,43,50	0.97	2 (4%)	46,48,56	1.10	3 (6%)
7	BCL	9	102	-	64,74,74	1.70	14 (21%)	78,115,115	2.25	21 (26%)
8	LMT	O	105	-	33,33,36	0.43	0	44,44,47	0.99	2 (4%)
7	BCL	h	103	-	64,74,74	1.67	13 (20%)	78,115,115	2.11	20 (25%)
8	LMT	G	105	-	33,33,36	0.43	0	44,44,47	1.01	3 (6%)
7	BCL	Y	101	-	64,74,74	1.67	12 (18%)	78,115,115	2.23	20 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
8	LMT	S	103	-	36,36,36	0.38	0	47,47,47	0.96	2 (4%)
10	PGV	V	103	-	44,44,50	0.97	2 (4%)	47,49,56	0.99	2 (4%)
7	BCL	i	101	-	64,74,74	1.68	11 (17%)	78,115,115	2.17	20 (25%)
7	BCL	I	101	-	64,74,74	1.67	12 (18%)	78,115,115	2.26	21 (26%)
9	CRT	J	101	-	41,43,43	0.79	0	50,54,54	3.52	19 (38%)

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
7	BCL	6	101	-	-	9/37/137/137	-
10	PGV	q	105	-	-	21/55/55/55	-
8	LMT	9	103	-	-	8/21/61/61	0/2/2/2
8	LMT	p	101	-	-	6/21/61/61	0/2/2/2
10	PGV	4	103	-	-	11/48/48/55	-
8	LMT	A	102	-	-	5/21/61/61	0/2/2/2
7	BCL	2	102	-	-	9/37/137/137	-
8	LMT	j	101	-	-	7/21/61/61	0/2/2/2
8	LMT	1	103	-	-	8/21/61/61	0/2/2/2
7	BCL	5	102	-	-	15/37/137/137	-
8	LMT	C	104	-	-	4/21/61/61	0/2/2/2
7	BCL	g	102	5	-	19/37/137/137	-
10	PGV	g	104	-	-	15/55/55/55	-
8	LMT	r	101	-	-	5/21/61/61	0/2/2/2
7	BCL	X	101	-	-	8/37/137/137	-
7	BCL	C	102	-	-	14/37/137/137	-
7	BCL	k	103	5	-	19/37/137/137	-
8	LMT	3	102	-	-	4/21/61/61	0/2/2/2
8	LMT	M	102	-	-	5/21/61/61	0/2/2/2
7	BCL	q	102	-	-	13/37/137/137	-
7	BCL	a	101	-	-	14/37/137/137	-
8	LMT	Y	102	-	-	7/21/61/61	0/2/2/2
10	PGV	2	101	-	-	11/48/48/55	-
7	BCL	l	102	-	-	15/37/137/137	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
10	PGV	m	104	-	-	11/45/45/55	-
7	BCL	5	101	-	-	15/37/137/137	-
7	BCL	V	102	-	-	15/37/137/137	-
10	PGV	k	104	-	-	12/45/45/55	-
7	BCL	n	102	-	-	15/37/137/137	-
8	LMT	b	102	-	-	5/21/61/61	0/2/2/2
7	BCL	M	101	-	-	18/37/137/137	-
10	PGV	i	104	-	-	16/55/55/55	-
7	BCL	O	101	-	-	14/37/137/137	-
8	LMT	U	102	-	-	6/21/61/61	0/2/2/2
10	PGV	q	104	-	-	14/45/45/55	-
10	PGV	D	102	-	-	19/47/47/55	-
8	LMT	9	104	-	-	5/21/61/61	0/2/2/2
8	LMT	W	105	-	-	9/18/58/61	0/2/2/2
7	BCL	P	101	-	-	9/37/137/137	-
10	PGV	e	104	-	-	15/45/45/55	-
7	BCL	L	101	-	-	10/37/137/137	-
7	BCL	Q	101	-	-	18/37/137/137	-
8	LMT	5	105	-	-	8/18/58/61	0/2/2/2
7	BCL	m	102	-	-	14/37/137/137	-
7	BCL	o	102	-	-	13/37/137/137	-
10	PGV	F	103	-	-	11/48/48/55	-
8	LMT	Q	102	-	-	7/21/61/61	0/2/2/2
7	BCL	W	102	-	-	14/37/137/137	-
10	PGV	a	103	-	-	15/45/45/55	-
8	LMT	S	104	-	-	3/21/61/61	0/2/2/2
9	CRT	b	101	-	-	13/51/51/51	-
7	BCL	d	102	-	-	15/37/137/137	-
8	LMT	C	105	-	-	8/18/58/61	0/2/2/2
9	CRT	h	101	-	-	13/51/51/51	-
10	PGV	g	103	-	-	13/45/45/55	-
8	LMT	1	104	-	-	4/21/61/61	0/2/2/2
7	BCL	D	101	-	-	9/37/137/137	-
10	PGV	P	102	-	-	18/47/47/55	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
10	PGV	6	102	-	-	16/47/47/55	-
7	BCL	G	102	-	-	15/37/137/137	-
7	BCL	b	103	-	-	17/37/137/137	-
10	PGV	L	102	-	-	16/47/47/55	-
7	BCL	e	102	-	-	13/37/137/137	-
9	CRT	a	105	-	-	13/51/51/51	-
10	PGV	R	103	-	-	11/48/48/55	-
7	BCL	8	102	-	-	14/37/137/137	-
7	BCL	S	102	-	-	15/37/137/137	-
9	CRT	B	101	-	-	4/51/51/51	-
10	PGV	i	103	-	-	12/45/45/55	-
9	CRT	F	101	-	-	8/51/51/51	-
8	LMT	n	101	-	-	7/21/61/61	0/2/2/2
8	LMT	K	105	-	-	8/18/58/61	0/2/2/2
7	BCL	C	101	-	-	15/37/137/137	-
7	BCL	G	101	-	-	16/37/137/137	-
7	BCL	S	101	-	-	14/37/137/137	-
7	BCL	i	102	5	-	19/37/137/137	-
8	LMT	G	104	-	-	6/21/61/61	0/2/2/2
8	LMT	d	101	-	-	6/21/61/61	0/2/2/2
7	BCL	o	103	5	-	18/37/137/137	-
8	LMT	5	103	-	-	9/21/61/61	0/2/2/2
8	LMT	f	102	-	-	6/21/61/61	0/2/2/2
7	BCL	E	101	-	-	19/37/137/137	-
10	PGV	m	105	-	-	15/55/55/55	-
10	PGV	o	105	-	-	16/55/55/55	-
9	CRT	V	101	-	-	4/51/51/51	-
7	BCL	c	102	5	-	19/37/137/137	-
9	CRT	R	101	-	-	6/51/51/51	-
9	CRT	m	101	-	-	13/51/51/51	-
10	PGV	c	104	-	-	21/55/55/55	-
7	BCL	U	101	-	-	18/37/137/137	-
8	LMT	I	102	-	-	5/21/61/61	0/2/2/2
7	BCL	3	101	-	-	19/37/137/137	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
9	CRT	8	101	-	-	5/51/51/51	-
10	PGV	2	103	-	-	19/47/47/55	-
7	BCL	e	103	5	-	19/37/137/137	-
7	BCL	K	102	-	-	15/37/137/137	-
7	BCL	q	103	5	-	18/37/137/137	-
8	LMT	9	105	-	-	7/18/58/61	0/2/2/2
7	BCL	m	103	5	-	17/37/137/137	-
8	LMT	E	102	-	-	5/21/61/61	0/2/2/2
9	CRT	4	101	-	-	5/51/51/51	-
10	PGV	e	105	-	-	16/55/55/55	-
10	PGV	B	103	-	-	12/48/48/55	-
8	LMT	1	105	-	-	9/18/58/61	0/2/2/2
7	BCL	J	102	-	-	15/37/137/137	-
7	BCL	F	102	-	-	13/37/137/137	-
7	BCL	Z	102	-	-	14/37/137/137	-
7	BCL	1	102	-	-	13/37/137/137	-
7	BCL	g	101	-	-	13/37/137/137	-
7	BCL	A	101	-	-	18/37/137/137	-
7	BCL	j	102	-	-	18/37/137/137	-
8	LMT	5	104	-	-	5/21/61/61	0/2/2/2
8	LMT	l	101	-	-	6/21/61/61	0/2/2/2
9	CRT	Z	101	-	-	6/51/51/51	-
8	LMT	W	103	-	-	11/21/61/61	0/2/2/2
7	BCL	c	101	-	-	11/37/137/137	-
7	BCL	f	103	-	-	17/37/137/137	-
10	PGV	k	105	-	-	15/55/55/55	-
7	BCL	N	102	-	-	13/37/137/137	-
8	LMT	O	103	-	-	9/21/61/61	0/2/2/2
8	LMT	K	104	-	-	4/21/61/61	0/2/2/2
8	LMT	W	104	-	-	3/21/61/61	0/2/2/2
8	LMT	h	102	-	-	6/21/61/61	0/2/2/2
9	CRT	e	101	-	-	13/51/51/51	-
10	PGV	X	102	-	-	18/47/47/55	-
7	BCL	1	101	-	-	14/37/137/137	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
7	BCL	W	101	-	-	14/37/137/137	-
7	BCL	0	101	-	-	8/37/137/137	-
10	PGV	0	102	-	-	19/47/47/55	-
10	PGV	c	103	-	-	15/45/45/55	-
7	BCL	r	102	-	-	20/37/137/137	-
10	PGV	J	103	-	-	11/48/48/55	-
7	BCL	K	101	-	-	14/37/137/137	-
8	LMT	C	103	-	-	7/21/61/61	0/2/2/2
10	PGV	8	103	-	-	10/48/48/55	-
7	BCL	T	101	-	-	9/37/137/137	-
7	BCL	7	101	-	-	19/37/137/137	-
7	BCL	O	102	-	-	15/37/137/137	-
9	CRT	f	101	-	-	13/51/51/51	-
8	LMT	7	102	-	-	4/21/61/61	0/2/2/2
9	CRT	N	101	-	-	7/51/51/51	-
7	BCL	9	101	-	-	14/37/137/137	-
10	PGV	N	103	-	-	13/48/48/55	-
7	BCL	p	102	-	-	16/37/137/137	-
8	LMT	S	105	-	-	9/18/58/61	0/2/2/2
7	BCL	R	102	-	-	11/37/137/137	-
10	PGV	H	102	-	-	16/47/47/55	-
8	LMT	K	103	-	-	8/21/61/61	0/2/2/2
8	LMT	O	104	-	-	6/21/61/61	0/2/2/2
7	BCL	B	102	-	-	13/37/137/137	-
7	BCL	4	102	-	-	13/37/137/137	-
9	CRT	q	101	-	-	13/51/51/51	-
7	BCL	H	101	-	-	10/37/137/137	-
9	CRT	o	101	-	-	11/51/51/51	-
10	PGV	a	104	-	-	14/55/55/55	-
10	PGV	o	104	-	-	14/45/45/55	-
9	CRT	k	101	-	-	13/51/51/51	-
7	BCL	a	102	5	-	18/37/137/137	-
7	BCL	k	102	-	-	15/37/137/137	-
8	LMT	G	103	-	-	9/21/61/61	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
10	PGV	T	102	-	-	18/47/47/55	-
7	BCL	9	102	-	-	15/37/137/137	-
8	LMT	O	105	-	-	8/18/58/61	0/2/2/2
7	BCL	h	103	-	-	15/37/137/137	-
8	LMT	G	105	-	-	9/18/58/61	0/2/2/2
7	BCL	Y	101	-	-	19/37/137/137	-
8	LMT	S	103	-	-	10/21/61/61	0/2/2/2
10	PGV	V	103	-	-	10/48/48/55	-
7	BCL	i	101	-	-	14/37/137/137	-
7	BCL	I	101	-	-	18/37/137/137	-
9	CRT	J	101	-	-	6/51/51/51	-

All (970) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	k	102	BCL	O2D-CGD	5.22	1.45	1.33
7	m	102	BCL	O2D-CGD	5.21	1.45	1.33
7	g	101	BCL	O2D-CGD	5.20	1.45	1.33
7	q	102	BCL	O2D-CGD	5.20	1.45	1.33
7	e	102	BCL	O2D-CGD	5.19	1.45	1.33
7	c	101	BCL	O2D-CGD	5.17	1.45	1.33
7	o	102	BCL	O2D-CGD	5.17	1.45	1.33
7	a	101	BCL	O2D-CGD	5.17	1.45	1.33
7	i	101	BCL	O2D-CGD	5.15	1.45	1.33
7	f	103	BCL	O2D-CGD	5.13	1.45	1.33
7	r	102	BCL	O2D-CGD	5.11	1.45	1.33
7	C	102	BCL	O2D-CGD	5.10	1.45	1.33
7	n	102	BCL	O2D-CGD	5.10	1.45	1.33
7	j	102	BCL	O2D-CGD	5.09	1.45	1.33
7	l	102	BCL	O2D-CGD	5.09	1.45	1.33
7	W	101	BCL	O2D-CGD	5.09	1.45	1.33
7	S	101	BCL	O2D-CGD	5.09	1.45	1.33
7	3	101	BCL	O2D-CGD	5.08	1.45	1.33
7	O	101	BCL	O2D-CGD	5.07	1.45	1.33
7	K	101	BCL	O2D-CGD	5.07	1.45	1.33
7	7	101	BCL	O2D-CGD	5.07	1.45	1.33
7	g	102	BCL	O2D-CGD	5.07	1.45	1.33
7	M	101	BCL	O2D-CGD	5.07	1.45	1.33
7	b	103	BCL	O2D-CGD	5.06	1.45	1.33
7	o	103	BCL	O2D-CGD	5.06	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	G	101	BCL	O2D-CGD	5.06	1.45	1.33
7	5	102	BCL	O2D-CGD	5.06	1.45	1.33
7	c	102	BCL	O2D-CGD	5.06	1.45	1.33
7	G	102	BCL	O2D-CGD	5.06	1.45	1.33
7	U	101	BCL	O2D-CGD	5.06	1.45	1.33
7	9	102	BCL	O2D-CGD	5.06	1.45	1.33
7	d	102	BCL	O2D-CGD	5.06	1.45	1.33
7	C	101	BCL	O2D-CGD	5.05	1.45	1.33
7	p	102	BCL	O2D-CGD	5.05	1.45	1.33
7	K	102	BCL	O2D-CGD	5.05	1.45	1.33
7	e	103	BCL	O2D-CGD	5.05	1.45	1.33
7	h	103	BCL	O2D-CGD	5.05	1.45	1.33
7	Q	101	BCL	O2D-CGD	5.05	1.45	1.33
7	k	103	BCL	O2D-CGD	5.05	1.45	1.33
7	9	101	BCL	O2D-CGD	5.04	1.45	1.33
7	W	102	BCL	O2D-CGD	5.04	1.45	1.33
7	a	102	BCL	O2D-CGD	5.04	1.45	1.33
7	i	102	BCL	O2D-CGD	5.04	1.45	1.33
7	1	101	BCL	O2D-CGD	5.04	1.45	1.33
7	A	101	BCL	O2D-CGD	5.04	1.45	1.33
7	O	102	BCL	O2D-CGD	5.04	1.45	1.33
7	S	102	BCL	O2D-CGD	5.03	1.45	1.33
7	I	101	BCL	O2D-CGD	5.03	1.45	1.33
7	E	101	BCL	O2D-CGD	5.03	1.45	1.33
7	1	102	BCL	O2D-CGD	5.02	1.45	1.33
7	m	103	BCL	O2D-CGD	5.02	1.45	1.33
7	Y	101	BCL	O2D-CGD	5.02	1.45	1.33
7	q	103	BCL	O2D-CGD	5.01	1.45	1.33
7	9	102	BCL	C3B-C2B	4.99	1.48	1.39
7	5	101	BCL	O2D-CGD	4.98	1.45	1.33
7	4	102	BCL	O2D-CGD	4.95	1.45	1.33
7	W	102	BCL	C3B-C2B	4.94	1.48	1.39
7	J	102	BCL	O2D-CGD	4.93	1.45	1.33
7	C	102	BCL	C3B-C2B	4.93	1.48	1.39
7	R	102	BCL	O2D-CGD	4.92	1.45	1.33
7	F	102	BCL	O2D-CGD	4.91	1.45	1.33
7	N	102	BCL	O2D-CGD	4.91	1.45	1.33
7	8	102	BCL	O2D-CGD	4.91	1.45	1.33
7	B	102	BCL	O2D-CGD	4.90	1.45	1.33
7	0	101	BCL	O2D-CGD	4.90	1.45	1.33
7	D	101	BCL	O2D-CGD	4.90	1.45	1.33
7	V	102	BCL	O2D-CGD	4.90	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	C	101	BCL	C3B-C2B	4.89	1.48	1.39
7	K	101	BCL	C3B-C2B	4.89	1.48	1.39
7	5	101	BCL	C3B-C2B	4.88	1.48	1.39
7	Z	102	BCL	O2D-CGD	4.88	1.45	1.33
7	O	102	BCL	C3B-C2B	4.88	1.48	1.39
7	1	102	BCL	C3B-C2B	4.88	1.48	1.39
7	2	102	BCL	O2D-CGD	4.87	1.45	1.33
7	G	101	BCL	C3B-C2B	4.87	1.48	1.39
7	1	101	BCL	C3B-C2B	4.87	1.48	1.39
7	P	101	BCL	O2D-CGD	4.86	1.45	1.33
7	L	101	BCL	O2D-CGD	4.86	1.45	1.33
7	H	101	BCL	O2D-CGD	4.85	1.45	1.33
7	X	101	BCL	O2D-CGD	4.85	1.45	1.33
7	6	101	BCL	O2D-CGD	4.85	1.45	1.33
7	O	101	BCL	C3B-C2B	4.85	1.48	1.39
7	9	101	BCL	C3B-C2B	4.84	1.48	1.39
7	T	101	BCL	O2D-CGD	4.84	1.45	1.33
7	S	101	BCL	C3B-C2B	4.83	1.48	1.39
7	K	102	BCL	C3B-C2B	4.81	1.48	1.39
7	W	101	BCL	C3B-C2B	4.80	1.48	1.39
7	b	103	BCL	C3D-C4D	-4.80	1.33	1.44
7	f	103	BCL	C3D-C4D	-4.79	1.33	1.44
7	Y	101	BCL	C3B-C2B	4.78	1.48	1.39
7	5	102	BCL	C3B-C2B	4.77	1.48	1.39
7	G	102	BCL	C3B-C2B	4.76	1.48	1.39
7	6	101	BCL	C3B-C2B	4.76	1.48	1.39
7	n	102	BCL	C3D-C4D	-4.76	1.33	1.44
7	l	102	BCL	C3D-C4D	-4.76	1.33	1.44
7	j	102	BCL	C3D-C4D	-4.76	1.33	1.44
7	2	102	BCL	C3B-C2B	4.75	1.47	1.39
7	X	101	BCL	C3B-C2B	4.75	1.47	1.39
7	I	101	BCL	C3B-C2B	4.74	1.47	1.39
7	S	102	BCL	C3B-C2B	4.73	1.47	1.39
7	L	101	BCL	C3B-C2B	4.73	1.47	1.39
7	d	102	BCL	C3D-C4D	-4.73	1.33	1.44
7	M	101	BCL	C3B-C2B	4.73	1.47	1.39
7	O	102	BCL	C3D-C4D	-4.73	1.33	1.44
7	h	103	BCL	C3D-C4D	-4.72	1.33	1.44
7	7	101	BCL	C3B-C2B	4.71	1.47	1.39
7	T	101	BCL	C3B-C2B	4.71	1.47	1.39
7	A	101	BCL	C3B-C2B	4.71	1.47	1.39
7	Q	101	BCL	C3B-C2B	4.71	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	p	102	BCL	C3D-C4D	-4.71	1.33	1.44
7	r	102	BCL	C3D-C4D	-4.71	1.33	1.44
7	G	102	BCL	C3D-C4D	-4.71	1.33	1.44
7	P	101	BCL	C3B-C2B	4.71	1.47	1.39
7	0	101	BCL	C3B-C2B	4.70	1.47	1.39
7	3	101	BCL	C3B-C2B	4.70	1.47	1.39
7	9	102	BCL	C3D-C4D	-4.70	1.33	1.44
7	E	101	BCL	C3B-C2B	4.70	1.47	1.39
7	S	102	BCL	C3D-C4D	-4.69	1.33	1.44
7	K	102	BCL	C3D-C4D	-4.69	1.33	1.44
7	1	102	BCL	C3D-C4D	-4.69	1.33	1.44
7	S	101	BCL	C3D-C4D	-4.68	1.33	1.44
7	5	102	BCL	C3D-C4D	-4.68	1.33	1.44
7	H	101	BCL	C3B-C2B	4.68	1.47	1.39
7	D	101	BCL	C3B-C2B	4.68	1.47	1.39
7	9	101	BCL	C3D-C4D	-4.67	1.33	1.44
7	U	101	BCL	C3B-C2B	4.67	1.47	1.39
7	C	102	BCL	C3D-C4D	-4.67	1.33	1.44
7	W	102	BCL	C3D-C4D	-4.66	1.33	1.44
7	Z	102	BCL	C3B-C2B	4.66	1.47	1.39
7	1	101	BCL	C3D-C4D	-4.66	1.33	1.44
7	a	101	BCL	C3D-C4D	-4.66	1.33	1.44
7	O	101	BCL	C3D-C4D	-4.65	1.33	1.44
7	W	101	BCL	C3D-C4D	-4.64	1.33	1.44
7	H	101	BCL	C3D-C4D	-4.64	1.33	1.44
7	i	101	BCL	C3D-C4D	-4.64	1.33	1.44
7	a	102	BCL	C3D-C4D	-4.63	1.33	1.44
7	P	101	BCL	C3D-C4D	-4.63	1.33	1.44
7	e	102	BCL	C3D-C4D	-4.63	1.33	1.44
7	m	102	BCL	C3D-C4D	-4.63	1.33	1.44
7	J	102	BCL	C3B-C2B	4.62	1.47	1.39
7	A	101	BCL	C3D-C4D	-4.62	1.33	1.44
7	2	102	BCL	C3D-C4D	-4.62	1.33	1.44
7	F	102	BCL	C3B-C2B	4.62	1.47	1.39
7	V	102	BCL	C3B-C2B	4.61	1.47	1.39
7	6	101	BCL	C3D-C4D	-4.61	1.33	1.44
7	q	102	BCL	C3D-C4D	-4.61	1.33	1.44
7	T	101	BCL	C3D-C4D	-4.61	1.33	1.44
7	C	101	BCL	C3D-C4D	-4.61	1.33	1.44
7	0	101	BCL	C3D-C4D	-4.61	1.33	1.44
7	X	101	BCL	C3D-C4D	-4.61	1.33	1.44
7	N	102	BCL	C3B-C2B	4.61	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	D	101	BCL	C3D-C4D	-4.61	1.33	1.44
7	M	101	BCL	C3D-C4D	-4.60	1.33	1.44
7	7	101	BCL	C3D-C4D	-4.60	1.33	1.44
7	B	102	BCL	C3B-C2B	4.60	1.47	1.39
7	L	101	BCL	C3D-C4D	-4.60	1.33	1.44
7	o	102	BCL	C3D-C4D	-4.60	1.33	1.44
7	g	101	BCL	C3D-C4D	-4.60	1.33	1.44
7	G	101	BCL	C3D-C4D	-4.60	1.33	1.44
7	5	101	BCL	C3D-C4D	-4.59	1.33	1.44
7	c	101	BCL	C3D-C4D	-4.59	1.33	1.44
7	E	101	BCL	C3D-C4D	-4.59	1.33	1.44
7	U	101	BCL	C3D-C4D	-4.59	1.33	1.44
7	k	102	BCL	C3D-C4D	-4.59	1.33	1.44
7	i	102	BCL	C3D-C4D	-4.58	1.33	1.44
7	4	102	BCL	C3B-C2B	4.58	1.47	1.39
7	q	103	BCL	C3D-C4D	-4.58	1.33	1.44
7	Q	101	BCL	C3D-C4D	-4.58	1.33	1.44
7	e	103	BCL	C3D-C4D	-4.58	1.33	1.44
7	K	101	BCL	C3D-C4D	-4.57	1.33	1.44
7	4	102	BCL	C3D-C4D	-4.57	1.33	1.44
7	R	102	BCL	C3B-C2B	4.57	1.47	1.39
7	I	101	BCL	C3D-C4D	-4.57	1.33	1.44
7	g	102	BCL	C3D-C4D	-4.57	1.33	1.44
7	8	102	BCL	C3D-C4D	-4.57	1.33	1.44
7	Y	101	BCL	C3D-C4D	-4.57	1.33	1.44
7	R	102	BCL	C3D-C4D	-4.56	1.33	1.44
7	8	102	BCL	C3B-C2B	4.56	1.47	1.39
7	k	103	BCL	C3D-C4D	-4.56	1.33	1.44
7	V	102	BCL	C3D-C4D	-4.56	1.33	1.44
7	o	103	BCL	C3D-C4D	-4.55	1.33	1.44
7	Z	102	BCL	C3D-C4D	-4.54	1.33	1.44
7	3	101	BCL	C3D-C4D	-4.54	1.33	1.44
7	m	103	BCL	C3D-C4D	-4.54	1.33	1.44
7	B	102	BCL	C3D-C4D	-4.54	1.33	1.44
7	N	102	BCL	C3D-C4D	-4.54	1.33	1.44
7	c	102	BCL	C3D-C4D	-4.54	1.33	1.44
7	F	102	BCL	C3D-C4D	-4.53	1.34	1.44
7	g	101	BCL	C3B-C2B	4.52	1.47	1.39
7	J	102	BCL	C3D-C4D	-4.51	1.34	1.44
7	k	102	BCL	C3B-C2B	4.51	1.47	1.39
7	e	102	BCL	C3B-C2B	4.48	1.47	1.39
7	i	101	BCL	C3B-C2B	4.48	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	a	101	BCL	C3B-C2B	4.48	1.47	1.39
7	o	102	BCL	C3B-C2B	4.47	1.47	1.39
7	b	103	BCL	C3B-C2B	4.46	1.47	1.39
7	f	103	BCL	C3B-C2B	4.45	1.47	1.39
7	q	102	BCL	C3B-C2B	4.45	1.47	1.39
7	p	102	BCL	C3B-C2B	4.44	1.47	1.39
7	r	102	BCL	C3B-C2B	4.43	1.47	1.39
7	n	102	BCL	C3B-C2B	4.43	1.47	1.39
7	h	103	BCL	C3B-C2B	4.43	1.47	1.39
7	l	102	BCL	C3B-C2B	4.42	1.47	1.39
7	m	102	BCL	C3B-C2B	4.42	1.47	1.39
7	c	101	BCL	C3B-C2B	4.41	1.47	1.39
7	j	102	BCL	C3B-C2B	4.40	1.47	1.39
7	d	102	BCL	C3B-C2B	4.40	1.47	1.39
7	9	102	BCL	O2A-CGA	4.38	1.46	1.33
7	G	102	BCL	O2A-CGA	4.38	1.46	1.33
7	1	101	BCL	O2A-CGA	4.37	1.46	1.33
7	K	102	BCL	O2A-CGA	4.36	1.46	1.33
7	O	101	BCL	O2A-CGA	4.35	1.46	1.33
7	S	102	BCL	O2A-CGA	4.35	1.46	1.33
7	C	101	BCL	O2A-CGA	4.35	1.46	1.33
7	5	102	BCL	O2A-CGA	4.34	1.46	1.33
7	5	101	BCL	O2A-CGA	4.34	1.46	1.33
7	C	102	BCL	O2A-CGA	4.34	1.46	1.33
7	K	101	BCL	O2A-CGA	4.34	1.46	1.33
7	W	102	BCL	O2A-CGA	4.34	1.46	1.33
7	G	101	BCL	O2A-CGA	4.33	1.46	1.33
7	9	101	BCL	O2A-CGA	4.33	1.46	1.33
7	W	101	BCL	O2A-CGA	4.33	1.46	1.33
7	X	101	BCL	O2A-CGA	4.32	1.46	1.33
7	D	101	BCL	O2A-CGA	4.32	1.46	1.33
7	j	102	BCL	O2A-CGA	4.32	1.46	1.33
7	S	101	BCL	O2A-CGA	4.32	1.46	1.33
7	6	101	BCL	O2A-CGA	4.31	1.45	1.33
7	T	101	BCL	O2A-CGA	4.31	1.45	1.33
7	O	102	BCL	O2A-CGA	4.31	1.45	1.33
7	r	102	BCL	O2A-CGA	4.30	1.45	1.33
7	L	101	BCL	O2A-CGA	4.30	1.45	1.33
7	n	102	BCL	O2A-CGA	4.30	1.45	1.33
7	2	102	BCL	O2A-CGA	4.30	1.45	1.33
7	1	102	BCL	O2A-CGA	4.29	1.45	1.33
7	p	102	BCL	O2A-CGA	4.29	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	P	101	BCL	O2A-CGA	4.29	1.45	1.33
7	d	102	BCL	O2A-CGA	4.29	1.45	1.33
7	0	101	BCL	O2A-CGA	4.29	1.45	1.33
7	b	103	BCL	O2A-CGA	4.29	1.45	1.33
7	a	102	BCL	O2A-CGA	4.27	1.45	1.33
7	g	101	BCL	O2A-CGA	4.27	1.45	1.33
7	k	102	BCL	O2A-CGA	4.27	1.45	1.33
10	o	104	PGV	O03-C19	4.27	1.45	1.33
7	c	102	BCL	O2A-CGA	4.27	1.45	1.33
7	f	103	BCL	O2A-CGA	4.27	1.45	1.33
7	H	101	BCL	O2A-CGA	4.27	1.45	1.33
7	q	102	BCL	O2A-CGA	4.27	1.45	1.33
7	l	102	BCL	O2A-CGA	4.26	1.45	1.33
10	i	103	PGV	O03-C19	4.26	1.45	1.33
7	h	103	BCL	O2A-CGA	4.26	1.45	1.33
7	i	102	BCL	O2A-CGA	4.26	1.45	1.33
10	a	103	PGV	O03-C19	4.26	1.45	1.33
7	e	103	BCL	O2A-CGA	4.26	1.45	1.33
7	m	103	BCL	O2A-CGA	4.26	1.45	1.33
10	m	104	PGV	O03-C19	4.26	1.45	1.33
10	q	104	PGV	O03-C19	4.25	1.45	1.33
7	i	101	BCL	O2A-CGA	4.25	1.45	1.33
10	V	103	PGV	O03-C19	4.25	1.45	1.33
7	k	103	BCL	C3B-C2B	4.25	1.47	1.39
7	e	102	BCL	O2A-CGA	4.25	1.45	1.33
7	g	102	BCL	O2A-CGA	4.25	1.45	1.33
7	q	103	BCL	O2A-CGA	4.25	1.45	1.33
7	a	102	BCL	C3B-C2B	4.25	1.47	1.39
7	F	102	BCL	O2A-CGA	4.24	1.45	1.33
7	o	103	BCL	O2A-CGA	4.24	1.45	1.33
10	2	101	PGV	O03-C19	4.24	1.45	1.33
7	k	103	BCL	O2A-CGA	4.24	1.45	1.33
7	c	101	BCL	O2A-CGA	4.24	1.45	1.33
10	N	103	PGV	O03-C19	4.24	1.45	1.33
10	c	103	PGV	O03-C19	4.24	1.45	1.33
10	B	103	PGV	O03-C19	4.24	1.45	1.33
10	a	104	PGV	O03-C19	4.24	1.45	1.33
7	a	101	BCL	O2A-CGA	4.23	1.45	1.33
10	g	103	PGV	O03-C19	4.23	1.45	1.33
7	m	102	BCL	O2A-CGA	4.22	1.45	1.33
10	F	103	PGV	O03-C19	4.22	1.45	1.33
10	R	103	PGV	O03-C19	4.22	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
10	e	104	PGV	O03-C19	4.22	1.45	1.33
10	4	103	PGV	O03-C19	4.21	1.45	1.33
10	k	104	PGV	O03-C19	4.21	1.45	1.33
10	T	102	PGV	O03-C19	4.21	1.45	1.33
7	i	102	BCL	C3B-C2B	4.21	1.47	1.39
7	m	103	BCL	C3B-C2B	4.21	1.47	1.39
7	o	102	BCL	O2A-CGA	4.21	1.45	1.33
10	J	103	PGV	O03-C19	4.21	1.45	1.33
7	N	102	BCL	O2A-CGA	4.20	1.45	1.33
10	8	103	PGV	O03-C19	4.20	1.45	1.33
7	8	102	BCL	O2A-CGA	4.20	1.45	1.33
7	V	102	BCL	O2A-CGA	4.20	1.45	1.33
10	H	102	PGV	O03-C19	4.20	1.45	1.33
10	0	102	PGV	O03-C19	4.19	1.45	1.33
7	Z	102	BCL	O2A-CGA	4.19	1.45	1.33
10	o	105	PGV	O03-C19	4.19	1.45	1.33
7	q	103	BCL	C3B-C2B	4.19	1.46	1.39
7	e	103	BCL	C3B-C2B	4.19	1.46	1.39
7	B	102	BCL	O2A-CGA	4.18	1.45	1.33
7	R	102	BCL	O2A-CGA	4.18	1.45	1.33
7	J	102	BCL	O2A-CGA	4.18	1.45	1.33
7	4	102	BCL	O2A-CGA	4.18	1.45	1.33
7	o	103	BCL	C3B-C2B	4.17	1.46	1.39
10	e	105	PGV	O03-C19	4.17	1.45	1.33
10	g	104	PGV	O03-C19	4.17	1.45	1.33
10	q	105	PGV	O03-C19	4.16	1.45	1.33
10	k	105	PGV	O03-C19	4.16	1.45	1.33
10	D	102	PGV	O03-C19	4.16	1.45	1.33
7	7	101	BCL	O2A-CGA	4.16	1.45	1.33
10	i	104	PGV	O03-C19	4.16	1.45	1.33
10	2	103	PGV	O03-C19	4.15	1.45	1.33
7	A	101	BCL	O2A-CGA	4.14	1.45	1.33
10	P	102	PGV	O03-C19	4.14	1.45	1.33
7	g	102	BCL	C3B-C2B	4.14	1.46	1.39
10	a	103	PGV	O01-C1	4.13	1.46	1.34
10	m	105	PGV	O03-C19	4.13	1.45	1.33
10	8	103	PGV	O01-C1	4.13	1.46	1.34
10	c	104	PGV	O03-C19	4.13	1.45	1.33
10	4	103	PGV	O01-C1	4.12	1.45	1.34
7	M	101	BCL	O2A-CGA	4.12	1.45	1.33
7	3	101	BCL	O2A-CGA	4.12	1.45	1.33
10	k	104	PGV	O01-C1	4.12	1.45	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	Y	101	BCL	O2A-CGA	4.12	1.45	1.33
10	F	103	PGV	O01-C1	4.12	1.45	1.34
10	i	103	PGV	O01-C1	4.11	1.45	1.34
10	J	103	PGV	O01-C1	4.11	1.45	1.34
10	6	102	PGV	O03-C19	4.11	1.45	1.33
7	E	101	BCL	O2A-CGA	4.11	1.45	1.33
10	m	104	PGV	O01-C1	4.11	1.45	1.34
10	R	103	PGV	O01-C1	4.11	1.45	1.34
7	Q	101	BCL	O2A-CGA	4.11	1.45	1.33
10	e	104	PGV	O01-C1	4.11	1.45	1.34
10	N	103	PGV	O01-C1	4.11	1.45	1.34
10	B	103	PGV	O01-C1	4.10	1.45	1.34
10	X	102	PGV	O01-C1	4.10	1.45	1.34
10	c	103	PGV	O01-C1	4.10	1.45	1.34
10	o	104	PGV	O01-C1	4.10	1.45	1.34
10	V	103	PGV	O01-C1	4.10	1.45	1.34
10	2	101	PGV	O01-C1	4.10	1.45	1.34
10	o	105	PGV	O01-C1	4.09	1.45	1.34
10	L	102	PGV	O03-C19	4.09	1.45	1.33
7	c	102	BCL	C3B-C2B	4.09	1.46	1.39
10	0	102	PGV	O01-C1	4.08	1.45	1.34
10	g	103	PGV	O01-C1	4.08	1.45	1.34
10	X	102	PGV	O03-C19	4.08	1.45	1.33
10	a	104	PGV	O01-C1	4.08	1.45	1.34
7	I	101	BCL	O2A-CGA	4.08	1.45	1.33
10	D	102	PGV	O01-C1	4.08	1.45	1.34
10	P	102	PGV	O01-C1	4.08	1.45	1.34
10	i	104	PGV	O01-C1	4.08	1.45	1.34
10	q	104	PGV	O01-C1	4.07	1.45	1.34
10	H	102	PGV	O01-C1	4.07	1.45	1.34
7	U	101	BCL	O2A-CGA	4.06	1.45	1.33
10	6	102	PGV	O01-C1	4.05	1.45	1.34
10	g	104	PGV	O01-C1	4.05	1.45	1.34
10	k	105	PGV	O01-C1	4.04	1.45	1.34
10	2	103	PGV	O01-C1	4.04	1.45	1.34
10	e	105	PGV	O01-C1	4.04	1.45	1.34
10	m	105	PGV	O01-C1	4.04	1.45	1.34
10	q	105	PGV	O01-C1	4.03	1.45	1.34
10	T	102	PGV	O01-C1	4.03	1.45	1.34
10	c	104	PGV	O01-C1	4.02	1.45	1.34
10	L	102	PGV	O01-C1	4.01	1.45	1.34
7	G	102	BCL	CHD-C1D	3.85	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	o	103	BCL	CHD-C1D	3.79	1.45	1.38
7	1	102	BCL	CHD-C1D	3.77	1.45	1.38
7	q	103	BCL	CHD-C1D	3.77	1.45	1.38
7	W	102	BCL	CHD-C1D	3.77	1.45	1.38
7	q	102	BCL	CHD-C1D	3.77	1.45	1.38
7	g	102	BCL	CHD-C1D	3.76	1.45	1.38
7	e	103	BCL	CHD-C1D	3.75	1.45	1.38
7	O	102	BCL	CHD-C1D	3.75	1.45	1.38
7	e	102	BCL	CHD-C1D	3.74	1.45	1.38
7	a	102	BCL	CHD-C1D	3.74	1.45	1.38
7	k	102	BCL	CHD-C1D	3.74	1.45	1.38
7	5	102	BCL	CHD-C1D	3.73	1.45	1.38
7	m	102	BCL	CHD-C1D	3.73	1.45	1.38
7	k	103	BCL	CHD-C1D	3.72	1.45	1.38
7	o	102	BCL	CHD-C1D	3.72	1.45	1.38
7	i	102	BCL	CHD-C1D	3.72	1.45	1.38
7	c	101	BCL	CHD-C1D	3.71	1.45	1.38
7	9	102	BCL	CHD-C1D	3.70	1.45	1.38
7	C	102	BCL	CHD-C1D	3.69	1.45	1.38
7	a	101	BCL	CHD-C1D	3.68	1.45	1.38
7	K	102	BCL	CHD-C1D	3.67	1.45	1.38
7	g	101	BCL	CHD-C1D	3.67	1.45	1.38
7	S	102	BCL	CHD-C1D	3.66	1.45	1.38
7	c	102	BCL	CHD-C1D	3.65	1.45	1.38
7	i	101	BCL	CHD-C1D	3.63	1.45	1.38
7	m	103	BCL	CHD-C1D	3.58	1.45	1.38
7	X	101	BCL	C1D-ND	-3.57	1.33	1.37
7	c	102	BCL	OBD-CAD	3.56	1.28	1.22
7	h	103	BCL	CHD-C1D	3.55	1.45	1.38
7	q	103	BCL	OBD-CAD	3.55	1.28	1.22
7	f	103	BCL	CHD-C1D	3.55	1.45	1.38
7	7	101	BCL	CHD-C1D	3.55	1.45	1.38
7	h	103	BCL	OBD-CAD	3.54	1.28	1.22
7	3	101	BCL	CHD-C1D	3.54	1.45	1.38
7	r	102	BCL	OBD-CAD	3.54	1.28	1.22
7	d	102	BCL	CHD-C1D	3.54	1.45	1.38
7	g	102	BCL	OBD-CAD	3.53	1.28	1.22
7	i	102	BCL	OBD-CAD	3.53	1.28	1.22
7	n	102	BCL	CHD-C1D	3.53	1.45	1.38
7	M	101	BCL	CHD-C1D	3.53	1.45	1.38
7	f	103	BCL	OBD-CAD	3.53	1.28	1.22
7	a	102	BCL	OBD-CAD	3.53	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	d	102	BCL	OBD-CAD	3.52	1.28	1.22
7	m	103	BCL	OBD-CAD	3.51	1.28	1.22
7	j	102	BCL	CHD-C1D	3.51	1.45	1.38
7	J	102	BCL	OBD-CAD	3.51	1.28	1.22
7	p	102	BCL	CHD-C1D	3.51	1.45	1.38
7	b	103	BCL	OBD-CAD	3.51	1.28	1.22
7	p	102	BCL	OBD-CAD	3.50	1.28	1.22
7	e	103	BCL	OBD-CAD	3.50	1.28	1.22
7	N	102	BCL	OBD-CAD	3.50	1.28	1.22
7	o	103	BCL	OBD-CAD	3.50	1.28	1.22
7	Q	101	BCL	CHD-C1D	3.50	1.45	1.38
7	l	102	BCL	CHD-C1D	3.50	1.45	1.38
7	H	101	BCL	OBD-CAD	3.50	1.28	1.22
7	U	101	BCL	CHD-C1D	3.50	1.45	1.38
7	r	102	BCL	CHD-C1D	3.49	1.45	1.38
7	j	102	BCL	OBD-CAD	3.49	1.28	1.22
7	1	102	BCL	OBD-CAD	3.49	1.28	1.22
7	n	102	BCL	OBD-CAD	3.49	1.28	1.22
7	W	102	BCL	OBD-CAD	3.48	1.28	1.22
7	A	101	BCL	CHD-C1D	3.48	1.45	1.38
7	L	101	BCL	OBD-CAD	3.47	1.28	1.22
7	I	101	BCL	CHD-C1D	3.47	1.45	1.38
7	E	101	BCL	CHD-C1D	3.47	1.45	1.38
7	9	101	BCL	CHD-C1D	3.47	1.45	1.38
7	Z	102	BCL	OBD-CAD	3.47	1.28	1.22
7	b	103	BCL	CHD-C1D	3.46	1.45	1.38
7	6	101	BCL	C1D-ND	-3.46	1.33	1.37
7	3	101	BCL	OBD-CAD	3.45	1.28	1.22
7	k	103	BCL	OBD-CAD	3.45	1.28	1.22
7	C	101	BCL	CHD-C1D	3.45	1.45	1.38
7	D	101	BCL	C1D-ND	-3.45	1.33	1.37
7	5	102	BCL	OBD-CAD	3.45	1.28	1.22
7	4	102	BCL	OBD-CAD	3.45	1.28	1.22
7	K	101	BCL	CHD-C1D	3.45	1.45	1.38
7	S	101	BCL	CHD-C1D	3.45	1.45	1.38
7	I	101	BCL	OBD-CAD	3.44	1.28	1.22
7	V	102	BCL	OBD-CAD	3.44	1.28	1.22
7	X	101	BCL	OBD-CAD	3.44	1.28	1.22
7	8	102	BCL	C1D-ND	-3.43	1.33	1.37
7	G	102	BCL	OBD-CAD	3.43	1.28	1.22
7	l	102	BCL	OBD-CAD	3.43	1.28	1.22
7	B	102	BCL	OBD-CAD	3.43	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	6	101	BCL	OBD-CAD	3.43	1.28	1.22
7	Z	102	BCL	CHD-C1D	3.43	1.45	1.38
7	c	101	BCL	OBD-CAD	3.43	1.28	1.22
7	Y	101	BCL	CHD-C1D	3.43	1.45	1.38
7	A	101	BCL	OBD-CAD	3.43	1.28	1.22
7	C	102	BCL	OBD-CAD	3.43	1.28	1.22
7	S	102	BCL	OBD-CAD	3.43	1.28	1.22
7	P	101	BCL	C1D-ND	-3.42	1.33	1.37
7	C	101	BCL	OBD-CAD	3.42	1.28	1.22
7	K	102	BCL	OBD-CAD	3.42	1.28	1.22
7	O	102	BCL	OBD-CAD	3.42	1.28	1.22
7	D	101	BCL	OBD-CAD	3.42	1.28	1.22
7	P	101	BCL	OBD-CAD	3.41	1.28	1.22
7	8	102	BCL	OBD-CAD	3.41	1.28	1.22
7	O	101	BCL	CHD-C1D	3.41	1.45	1.38
7	J	102	BCL	CHD-C1D	3.41	1.45	1.38
7	L	101	BCL	C1D-ND	-3.41	1.33	1.37
7	9	102	BCL	OBD-CAD	3.41	1.28	1.22
7	F	102	BCL	OBD-CAD	3.41	1.28	1.22
7	2	102	BCL	C1D-ND	-3.41	1.33	1.37
7	m	102	BCL	OBD-CAD	3.40	1.28	1.22
7	T	101	BCL	C1D-ND	-3.40	1.33	1.37
7	U	101	BCL	OBD-CAD	3.40	1.28	1.22
7	T	101	BCL	OBD-CAD	3.40	1.28	1.22
7	0	101	BCL	OBD-CAD	3.40	1.28	1.22
7	k	102	BCL	OBD-CAD	3.40	1.28	1.22
7	G	101	BCL	OBD-CAD	3.40	1.28	1.22
7	5	101	BCL	OBD-CAD	3.39	1.28	1.22
7	1	101	BCL	CHD-C1D	3.39	1.45	1.38
7	0	101	BCL	C1D-ND	-3.39	1.33	1.37
7	1	101	BCL	OBD-CAD	3.39	1.28	1.22
7	5	101	BCL	CHD-C1D	3.39	1.45	1.38
7	S	101	BCL	OBD-CAD	3.39	1.28	1.22
7	g	101	BCL	OBD-CAD	3.38	1.28	1.22
7	R	102	BCL	OBD-CAD	3.38	1.28	1.22
7	Y	101	BCL	OBD-CAD	3.38	1.28	1.22
7	K	101	BCL	OBD-CAD	3.38	1.28	1.22
7	W	101	BCL	OBD-CAD	3.38	1.28	1.22
7	G	101	BCL	CHD-C1D	3.38	1.44	1.38
7	o	102	BCL	OBD-CAD	3.37	1.28	1.22
7	F	102	BCL	CHD-C1D	3.37	1.44	1.38
7	9	101	BCL	OBD-CAD	3.37	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	2	102	BCL	OBD-CAD	3.37	1.28	1.22
7	a	101	BCL	OBD-CAD	3.36	1.28	1.22
7	8	102	BCL	CHD-C1D	3.36	1.44	1.38
7	F	102	BCL	C1D-ND	-3.36	1.33	1.37
7	i	101	BCL	OBD-CAD	3.36	1.28	1.22
7	Q	101	BCL	OBD-CAD	3.35	1.28	1.22
7	q	102	BCL	OBD-CAD	3.35	1.28	1.22
7	E	101	BCL	OBD-CAD	3.34	1.28	1.22
7	M	101	BCL	OBD-CAD	3.34	1.28	1.22
7	O	101	BCL	OBD-CAD	3.34	1.28	1.22
7	B	102	BCL	CHD-C1D	3.34	1.44	1.38
7	H	101	BCL	C1D-ND	-3.33	1.33	1.37
7	7	101	BCL	OBD-CAD	3.33	1.28	1.22
7	N	102	BCL	CHD-C1D	3.32	1.44	1.38
7	e	102	BCL	OBD-CAD	3.32	1.28	1.22
7	j	102	BCL	C1D-ND	-3.32	1.33	1.37
7	4	102	BCL	C1D-ND	-3.32	1.33	1.37
7	J	102	BCL	C1D-ND	-3.31	1.33	1.37
7	W	101	BCL	CHD-C1D	3.30	1.44	1.38
7	B	102	BCL	C1D-ND	-3.30	1.33	1.37
7	R	102	BCL	CHD-C1D	3.29	1.44	1.38
7	l	102	BCL	C1D-ND	-3.29	1.33	1.37
7	r	102	BCL	C1D-ND	-3.29	1.33	1.37
7	4	102	BCL	CHD-C1D	3.28	1.44	1.38
7	V	102	BCL	CHD-C1D	3.26	1.44	1.38
7	V	102	BCL	C1D-ND	-3.25	1.33	1.37
7	T	101	BCL	CHD-C1D	3.25	1.44	1.38
7	6	101	BCL	CHD-C1D	3.23	1.44	1.38
7	N	102	BCL	C1D-ND	-3.23	1.33	1.37
7	X	101	BCL	CHD-C1D	3.22	1.44	1.38
7	n	102	BCL	C1D-ND	-3.21	1.33	1.37
7	H	101	BCL	CHD-C1D	3.21	1.44	1.38
7	0	101	BCL	CHD-C1D	3.21	1.44	1.38
7	P	101	BCL	CHD-C1D	3.19	1.44	1.38
7	Z	102	BCL	C1D-ND	-3.18	1.33	1.37
7	D	101	BCL	CHD-C1D	3.18	1.44	1.38
7	1	101	BCL	C1D-ND	-3.17	1.33	1.37
7	2	102	BCL	CHD-C1D	3.17	1.44	1.38
7	p	102	BCL	C1D-ND	-3.16	1.33	1.37
7	L	101	BCL	CHD-C1D	3.16	1.44	1.38
7	R	102	BCL	C1D-ND	-3.16	1.33	1.37
7	h	103	BCL	C1D-ND	-3.16	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	b	103	BCL	C1D-ND	-3.12	1.33	1.37
7	f	103	BCL	C1D-ND	-3.11	1.34	1.37
7	m	102	BCL	C3D-C2D	3.07	1.47	1.39
7	q	102	BCL	C3D-C2D	3.07	1.47	1.39
7	c	101	BCL	C3D-C2D	3.06	1.47	1.39
7	8	102	BCL	C3D-C2D	3.06	1.47	1.39
7	e	102	BCL	C3D-C2D	3.06	1.47	1.39
7	F	102	BCL	C3D-C2D	3.04	1.47	1.39
7	k	102	BCL	C3D-C2D	3.03	1.47	1.39
7	d	102	BCL	C1D-ND	-3.03	1.34	1.37
7	G	101	BCL	C1D-ND	-3.02	1.34	1.37
7	X	101	BCL	C3D-C2D	3.02	1.47	1.39
7	V	102	BCL	C3D-C2D	3.02	1.47	1.39
7	D	101	BCL	C3D-C2D	3.02	1.47	1.39
7	Z	102	BCL	C3D-C2D	3.02	1.47	1.39
7	6	101	BCL	C3D-C2D	3.02	1.47	1.39
7	B	102	BCL	C3D-C2D	3.01	1.47	1.39
7	J	102	BCL	C3D-C2D	3.01	1.47	1.39
7	W	101	BCL	C1D-ND	-3.01	1.34	1.37
7	a	101	BCL	C3D-C2D	3.01	1.47	1.39
7	R	102	BCL	C3D-C2D	3.01	1.47	1.39
7	o	102	BCL	C3D-C2D	3.00	1.47	1.39
7	4	102	BCL	C3D-C2D	3.00	1.47	1.39
7	T	101	BCL	C3D-C2D	3.00	1.47	1.39
7	g	101	BCL	C3D-C2D	2.99	1.47	1.39
7	H	101	BCL	C3D-C2D	2.99	1.47	1.39
7	N	102	BCL	C3D-C2D	2.99	1.47	1.39
7	9	101	BCL	C1D-ND	-2.98	1.34	1.37
7	M	101	BCL	C3D-C2D	2.98	1.47	1.39
7	2	102	BCL	C3D-C2D	2.98	1.47	1.39
7	P	101	BCL	C3D-C2D	2.98	1.47	1.39
7	i	101	BCL	C3D-C2D	2.97	1.47	1.39
7	0	101	BCL	C3D-C2D	2.97	1.47	1.39
7	L	101	BCL	C3D-C2D	2.96	1.47	1.39
7	r	102	BCL	C3D-C2D	2.96	1.47	1.39
7	S	101	BCL	C1D-ND	-2.96	1.34	1.37
7	h	103	BCL	C3D-C2D	2.95	1.47	1.39
7	b	103	BCL	C3D-C2D	2.95	1.47	1.39
7	n	102	BCL	C3D-C2D	2.95	1.47	1.39
7	l	102	BCL	C3D-C2D	2.94	1.47	1.39
7	j	102	BCL	C3D-C2D	2.94	1.47	1.39
7	f	103	BCL	C3D-C2D	2.94	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	E	101	BCL	C3D-C2D	2.94	1.47	1.39
7	m	103	BCL	C1D-ND	-2.94	1.34	1.37
7	Q	101	BCL	C3D-C2D	2.93	1.47	1.39
7	3	101	BCL	C3D-C2D	2.93	1.47	1.39
7	U	101	BCL	C3D-C2D	2.93	1.47	1.39
7	5	101	BCL	C3D-C2D	2.93	1.47	1.39
7	Y	101	BCL	C3D-C2D	2.93	1.47	1.39
7	C	101	BCL	C3D-C2D	2.93	1.47	1.39
7	O	101	BCL	C1D-ND	-2.93	1.34	1.37
7	p	102	BCL	C3D-C2D	2.92	1.47	1.39
7	d	102	BCL	C3D-C2D	2.92	1.47	1.39
7	7	101	BCL	C3D-C2D	2.92	1.47	1.39
7	S	101	BCL	C3D-C2D	2.92	1.47	1.39
7	I	101	BCL	C3D-C2D	2.91	1.47	1.39
7	9	101	BCL	C3D-C2D	2.91	1.47	1.39
7	O	101	BCL	C3D-C2D	2.91	1.47	1.39
7	W	101	BCL	C3D-C2D	2.91	1.47	1.39
7	A	101	BCL	C3D-C2D	2.91	1.47	1.39
7	G	102	BCL	C3D-C2D	2.91	1.47	1.39
7	5	102	BCL	C3D-C2D	2.90	1.47	1.39
7	W	102	BCL	C3D-C2D	2.90	1.47	1.39
7	5	101	BCL	C1D-ND	-2.90	1.34	1.37
7	K	101	BCL	C3D-C2D	2.89	1.47	1.39
7	1	101	BCL	C3D-C2D	2.88	1.47	1.39
7	1	102	BCL	C3D-C2D	2.88	1.47	1.39
7	a	102	BCL	C1D-ND	-2.88	1.34	1.37
7	G	101	BCL	C3D-C2D	2.88	1.47	1.39
7	K	101	BCL	C1D-ND	-2.88	1.34	1.37
7	g	102	BCL	C1D-ND	-2.88	1.34	1.37
7	K	102	BCL	C3D-C2D	2.87	1.47	1.39
7	e	103	BCL	C3D-C2D	2.87	1.47	1.39
7	m	102	BCL	C1D-ND	-2.87	1.34	1.37
7	k	103	BCL	C3D-C2D	2.87	1.46	1.39
7	i	102	BCL	C3D-C2D	2.86	1.46	1.39
7	9	102	BCL	C3D-C2D	2.86	1.46	1.39
7	g	102	BCL	C3D-C2D	2.86	1.46	1.39
7	S	102	BCL	C3D-C2D	2.86	1.46	1.39
7	e	103	BCL	C1D-ND	-2.86	1.34	1.37
7	o	103	BCL	C3D-C2D	2.85	1.46	1.39
7	e	102	BCL	C1D-ND	-2.85	1.34	1.37
7	E	101	BCL	C1D-ND	-2.85	1.34	1.37
7	C	102	BCL	C3D-C2D	2.85	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	o	103	BCL	C1D-ND	-2.84	1.34	1.37
7	q	102	BCL	C1D-ND	-2.84	1.34	1.37
7	q	103	BCL	CHD-C4C	2.84	1.47	1.39
7	k	102	BCL	C1D-ND	-2.83	1.34	1.37
7	O	102	BCL	C3D-C2D	2.83	1.46	1.39
7	k	103	BCL	CHD-C4C	2.83	1.47	1.39
7	C	101	BCL	C1D-ND	-2.83	1.34	1.37
7	o	103	BCL	C1D-C2D	2.83	1.50	1.45
7	a	102	BCL	C3D-C2D	2.83	1.46	1.39
7	i	102	BCL	C1D-ND	-2.83	1.34	1.37
7	k	103	BCL	C1D-ND	-2.82	1.34	1.37
7	m	103	BCL	C3D-C2D	2.82	1.46	1.39
7	q	103	BCL	C1D-C2D	2.82	1.50	1.45
7	i	101	BCL	C1D-ND	-2.82	1.34	1.37
7	c	101	BCL	C1D-ND	-2.82	1.34	1.37
7	o	103	BCL	CHD-C4C	2.81	1.47	1.39
7	c	102	BCL	C1D-ND	-2.81	1.34	1.37
7	q	103	BCL	C3D-C2D	2.81	1.46	1.39
7	a	101	BCL	C1D-ND	-2.80	1.34	1.37
7	I	101	BCL	C1D-ND	-2.80	1.34	1.37
7	c	102	BCL	C3D-C2D	2.80	1.46	1.39
7	M	101	BCL	C1D-ND	-2.80	1.34	1.37
7	o	102	BCL	C1D-ND	-2.79	1.34	1.37
7	g	102	BCL	CHD-C4C	2.79	1.47	1.39
7	3	101	BCL	C1D-ND	-2.79	1.34	1.37
7	g	102	BCL	C1D-C2D	2.78	1.50	1.45
7	k	103	BCL	C1D-C2D	2.78	1.50	1.45
7	e	103	BCL	CHD-C4C	2.78	1.47	1.39
7	q	103	BCL	C1D-ND	-2.78	1.34	1.37
7	3	101	BCL	CHD-C4C	2.77	1.47	1.39
7	G	102	BCL	CHD-C4C	2.77	1.47	1.39
7	M	101	BCL	CHD-C4C	2.77	1.47	1.39
7	Y	101	BCL	CHD-C4C	2.76	1.47	1.39
7	g	101	BCL	C1D-ND	-2.76	1.34	1.37
7	i	102	BCL	CHD-C4C	2.76	1.47	1.39
7	A	101	BCL	CHD-C4C	2.76	1.47	1.39
7	7	101	BCL	C1D-ND	-2.75	1.34	1.37
7	a	102	BCL	CHD-C4C	2.75	1.47	1.39
7	m	103	BCL	CHD-C4C	2.75	1.47	1.39
7	c	102	BCL	CHD-C4C	2.75	1.47	1.39
7	e	102	BCL	CHD-C4C	2.75	1.47	1.39
7	O	102	BCL	CHD-C4C	2.74	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	C	102	BCL	CHD-C4C	2.73	1.46	1.39
7	A	101	BCL	C1D-ND	-2.73	1.34	1.37
7	W	102	BCL	CHD-C4C	2.73	1.46	1.39
7	e	103	BCL	C1D-C2D	2.72	1.50	1.45
7	I	101	BCL	CHD-C4C	2.72	1.46	1.39
7	Q	101	BCL	CHD-C4C	2.72	1.46	1.39
7	U	101	BCL	CHD-C4C	2.72	1.46	1.39
7	7	101	BCL	CHD-C4C	2.72	1.46	1.39
7	i	102	BCL	C1D-C2D	2.72	1.50	1.45
7	O	102	BCL	C1D-C2D	2.71	1.50	1.45
7	E	101	BCL	CHD-C4C	2.71	1.46	1.39
7	1	102	BCL	CHD-C4C	2.71	1.46	1.39
7	5	102	BCL	CHD-C4C	2.71	1.46	1.39
7	Y	101	BCL	C1D-ND	-2.70	1.34	1.37
7	9	102	BCL	CHD-C4C	2.70	1.46	1.39
7	S	102	BCL	CHD-C4C	2.70	1.46	1.39
7	k	102	BCL	CHD-C4C	2.70	1.46	1.39
7	Q	101	BCL	C1D-ND	-2.70	1.34	1.37
7	K	102	BCL	CHD-C4C	2.70	1.46	1.39
7	c	102	BCL	C1D-C2D	2.69	1.50	1.45
7	S	101	BCL	CHD-C4C	2.69	1.46	1.39
7	9	101	BCL	CHD-C4C	2.68	1.46	1.39
7	m	102	BCL	CHD-C4C	2.68	1.46	1.39
7	o	102	BCL	CHD-C4C	2.67	1.46	1.39
7	C	102	BCL	C1D-C2D	2.67	1.50	1.45
7	q	102	BCL	CHD-C4C	2.67	1.46	1.39
7	O	101	BCL	CHD-C4C	2.66	1.46	1.39
7	c	101	BCL	CHD-C4C	2.66	1.46	1.39
7	U	101	BCL	C1D-ND	-2.65	1.34	1.37
7	1	102	BCL	C1D-C2D	2.65	1.50	1.45
7	W	102	BCL	C1D-C2D	2.65	1.50	1.45
7	C	101	BCL	CHD-C4C	2.65	1.46	1.39
7	S	102	BCL	C1D-C2D	2.65	1.50	1.45
7	S	101	BCL	C1D-C2D	2.65	1.50	1.45
7	G	102	BCL	C1D-C2D	2.65	1.50	1.45
7	5	101	BCL	CHD-C4C	2.65	1.46	1.39
7	K	101	BCL	CHD-C4C	2.64	1.46	1.39
7	a	101	BCL	CHD-C4C	2.64	1.46	1.39
7	a	102	BCL	C1D-C2D	2.64	1.50	1.45
7	G	101	BCL	CHD-C4C	2.64	1.46	1.39
7	K	101	BCL	C1D-C2D	2.63	1.50	1.45
7	S	101	BCL	MG-NA	-2.63	2.00	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	9	102	BCL	C1D-C2D	2.63	1.50	1.45
7	m	103	BCL	C1D-C2D	2.63	1.50	1.45
7	g	101	BCL	CHD-C4C	2.63	1.46	1.39
7	5	101	BCL	C1D-C2D	2.63	1.50	1.45
7	5	102	BCL	C1D-C2D	2.62	1.50	1.45
7	C	101	BCL	C1D-C2D	2.62	1.50	1.45
7	i	101	BCL	CHD-C4C	2.61	1.46	1.39
7	5	101	BCL	MG-NA	-2.60	2.00	2.06
7	W	101	BCL	CHD-C4C	2.60	1.46	1.39
7	1	101	BCL	CHD-C4C	2.60	1.46	1.39
7	G	101	BCL	MG-NA	-2.60	2.00	2.06
7	1	101	BCL	C1D-C2D	2.59	1.50	1.45
7	1	101	BCL	MG-NA	-2.59	2.00	2.06
7	K	102	BCL	C1D-C2D	2.58	1.50	1.45
7	d	102	BCL	CHD-C4C	2.58	1.46	1.39
7	o	102	BCL	C1D-C2D	2.58	1.50	1.45
7	A	101	BCL	C1D-C2D	2.58	1.50	1.45
7	f	103	BCL	CHD-C4C	2.58	1.46	1.39
7	E	101	BCL	C1D-C2D	2.57	1.50	1.45
7	9	102	BCL	C1D-ND	-2.57	1.34	1.37
7	3	101	BCL	C1D-C2D	2.56	1.50	1.45
7	C	101	BCL	MG-NA	-2.56	2.00	2.06
7	1	102	BCL	C1D-ND	-2.56	1.34	1.37
7	h	103	BCL	CHD-C4C	2.56	1.46	1.39
7	G	102	BCL	C1D-ND	-2.55	1.34	1.37
7	7	101	BCL	C1D-C2D	2.55	1.50	1.45
7	W	102	BCL	C1D-ND	-2.55	1.34	1.37
7	5	102	BCL	C1D-ND	-2.55	1.34	1.37
7	M	101	BCL	C1D-C2D	2.54	1.50	1.45
7	l	102	BCL	CHD-C4C	2.54	1.46	1.39
7	I	101	BCL	C1D-C2D	2.54	1.50	1.45
7	O	101	BCL	C1D-C2D	2.54	1.50	1.45
7	W	101	BCL	C1D-C2D	2.54	1.50	1.45
7	b	103	BCL	CHD-C4C	2.53	1.46	1.39
7	9	101	BCL	C1D-C2D	2.53	1.50	1.45
7	Q	101	BCL	C1D-C2D	2.53	1.50	1.45
7	W	101	BCL	MG-NA	-2.53	2.00	2.06
7	Y	101	BCL	C1D-C2D	2.53	1.50	1.45
7	n	102	BCL	CHD-C4C	2.52	1.46	1.39
7	O	102	BCL	C1D-ND	-2.52	1.34	1.37
7	G	101	BCL	C1D-C2D	2.52	1.50	1.45
7	K	102	BCL	C1D-ND	-2.52	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	r	102	BCL	CHD-C4C	2.51	1.46	1.39
7	R	102	BCL	CHD-C4C	2.51	1.46	1.39
7	p	102	BCL	CHD-C4C	2.51	1.46	1.39
7	j	102	BCL	CHD-C4C	2.51	1.46	1.39
7	C	102	BCL	C1D-ND	-2.50	1.34	1.37
7	J	102	BCL	CHD-C4C	2.50	1.46	1.39
7	Z	102	BCL	CHD-C4C	2.49	1.46	1.39
7	a	101	BCL	C1D-C2D	2.49	1.50	1.45
7	k	102	BCL	C1D-C2D	2.49	1.50	1.45
7	N	102	BCL	CHD-C4C	2.48	1.46	1.39
7	g	101	BCL	C1D-C2D	2.48	1.50	1.45
7	U	101	BCL	C1D-C2D	2.48	1.50	1.45
7	e	102	BCL	C1D-C2D	2.47	1.50	1.45
7	S	102	BCL	C1D-ND	-2.47	1.34	1.37
7	8	102	BCL	CHD-C4C	2.46	1.46	1.39
7	c	101	BCL	C1D-C2D	2.45	1.50	1.45
7	i	101	BCL	C1D-C2D	2.45	1.50	1.45
7	m	102	BCL	C1D-C2D	2.45	1.50	1.45
7	K	101	BCL	MG-NA	-2.45	2.00	2.06
7	O	101	BCL	MG-NA	-2.45	2.00	2.06
7	F	102	BCL	CHD-C4C	2.45	1.46	1.39
7	9	101	BCL	MG-NA	-2.44	2.00	2.06
7	V	102	BCL	CHD-C4C	2.44	1.46	1.39
7	q	102	BCL	C1D-C2D	2.43	1.50	1.45
7	B	102	BCL	CHD-C4C	2.43	1.46	1.39
7	4	102	BCL	CHD-C4C	2.43	1.46	1.39
7	1	101	BCL	C1B-CHB	2.42	1.47	1.41
7	6	101	BCL	CHD-C4C	2.41	1.46	1.39
7	0	101	BCL	CHD-C4C	2.41	1.46	1.39
7	H	101	BCL	CHD-C4C	2.41	1.46	1.39
7	G	101	BCL	C1B-CHB	2.40	1.47	1.41
7	T	101	BCL	CHD-C4C	2.39	1.46	1.39
7	D	101	BCL	CHD-C4C	2.38	1.45	1.39
7	X	101	BCL	CHD-C4C	2.38	1.45	1.39
7	m	103	BCL	MG-NA	-2.37	2.00	2.06
7	5	101	BCL	C1B-CHB	2.37	1.47	1.41
7	2	102	BCL	CHD-C4C	2.36	1.45	1.39
7	C	101	BCL	C1B-CHB	2.36	1.47	1.41
7	W	101	BCL	C1B-CHB	2.36	1.47	1.41
7	L	101	BCL	CHD-C4C	2.36	1.45	1.39
7	S	101	BCL	C1B-CHB	2.35	1.47	1.41
7	P	101	BCL	CHD-C4C	2.35	1.45	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	O	101	BCL	C1B-CHB	2.34	1.47	1.41
7	K	101	BCL	C1B-CHB	2.34	1.47	1.41
7	9	101	BCL	C1B-CHB	2.31	1.47	1.41
7	e	103	BCL	MG-NA	-2.29	2.00	2.06
7	k	103	BCL	MG-NA	-2.28	2.00	2.06
7	A	101	BCL	C1B-CHB	2.27	1.47	1.41
7	o	103	BCL	MG-NA	-2.27	2.00	2.06
7	i	102	BCL	MG-NA	-2.25	2.00	2.06
7	a	102	BCL	MG-NC	-2.25	2.00	2.06
7	q	103	BCL	MG-NA	-2.24	2.00	2.06
7	E	101	BCL	C1B-CHB	2.24	1.47	1.41
7	g	102	BCL	MG-NC	-2.21	2.01	2.06
7	I	101	BCL	C1B-CHB	2.21	1.47	1.41
7	E	101	BCL	MG-NA	-2.21	2.01	2.06
7	k	103	BCL	MG-NC	-2.21	2.01	2.06
7	Y	101	BCL	C1B-CHB	2.21	1.47	1.41
7	Y	101	BCL	MG-NA	-2.21	2.01	2.06
7	7	101	BCL	C1B-CHB	2.21	1.47	1.41
7	W	102	BCL	C1B-CHB	2.21	1.47	1.41
7	I	101	BCL	MG-NA	-2.20	2.01	2.06
7	C	102	BCL	C1B-CHB	2.20	1.47	1.41
7	4	102	BCL	C1B-CHB	2.20	1.47	1.41
7	a	101	BCL	C1B-CHB	2.20	1.47	1.41
7	c	102	BCL	MG-NA	-2.20	2.01	2.06
7	q	103	BCL	MG-NC	-2.20	2.01	2.06
7	M	101	BCL	C1B-CHB	2.20	1.47	1.41
7	Q	101	BCL	C1B-CHB	2.20	1.47	1.41
7	g	102	BCL	MG-NA	-2.19	2.01	2.06
7	k	102	BCL	C1B-CHB	2.19	1.47	1.41
7	C	102	BCL	MG-NC	-2.19	2.01	2.06
7	e	103	BCL	MG-NC	-2.19	2.01	2.06
7	a	102	BCL	MG-NA	-2.19	2.01	2.06
7	A	101	BCL	MG-NA	-2.19	2.01	2.06
7	3	101	BCL	C1B-CHB	2.19	1.47	1.41
7	T	101	BCL	C1B-CHB	2.19	1.47	1.41
7	O	102	BCL	C1B-CHB	2.18	1.47	1.41
7	U	101	BCL	C1B-CHB	2.18	1.47	1.41
7	1	102	BCL	C1B-CHB	2.18	1.47	1.41
7	e	102	BCL	C1B-CHB	2.18	1.47	1.41
7	5	102	BCL	C1B-CHB	2.17	1.47	1.41
7	G	102	BCL	C1B-CHB	2.17	1.47	1.41
7	R	102	BCL	MG-NA	-2.17	2.01	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	U	101	BCL	MG-NA	-2.17	2.01	2.06
7	2	102	BCL	C1B-CHB	2.17	1.47	1.41
7	N	102	BCL	C1B-CHB	2.17	1.47	1.41
7	b	103	BCL	C4B-CHC	2.17	1.47	1.41
7	o	103	BCL	MG-NC	-2.16	2.01	2.06
7	P	101	BCL	C1B-CHB	2.16	1.47	1.41
7	M	101	BCL	MG-NA	-2.16	2.01	2.06
7	F	102	BCL	C1B-CHB	2.15	1.47	1.41
7	4	102	BCL	MG-NA	-2.15	2.01	2.06
7	j	102	BCL	C1D-C2D	2.15	1.49	1.45
7	3	101	BCL	MG-NA	-2.15	2.01	2.06
7	Q	101	BCL	MG-NA	-2.15	2.01	2.06
7	0	101	BCL	C1B-CHB	2.15	1.47	1.41
7	i	101	BCL	C1B-CHB	2.15	1.47	1.41
7	c	101	BCL	C1B-CHB	2.15	1.47	1.41
7	m	102	BCL	C1B-CHB	2.15	1.47	1.41
7	V	102	BCL	C1B-CHB	2.15	1.47	1.41
7	S	102	BCL	C1B-CHB	2.14	1.46	1.41
7	D	101	BCL	C1B-CHB	2.14	1.46	1.41
7	g	101	BCL	C1B-CHB	2.14	1.46	1.41
7	V	102	BCL	C4B-CHC	2.14	1.46	1.41
7	W	102	BCL	MG-NC	-2.13	2.01	2.06
7	6	101	BCL	C1B-CHB	2.13	1.46	1.41
7	J	102	BCL	MG-NA	-2.13	2.01	2.06
7	9	102	BCL	MG-NC	-2.13	2.01	2.06
7	R	102	BCL	C1B-CHB	2.13	1.46	1.41
7	Z	102	BCL	C1B-CHB	2.13	1.46	1.41
7	7	101	BCL	MG-NA	-2.13	2.01	2.06
7	q	102	BCL	C1B-CHB	2.13	1.46	1.41
7	5	102	BCL	MG-NC	-2.12	2.01	2.06
7	K	102	BCL	C1B-CHB	2.12	1.46	1.41
7	n	102	BCL	C4B-CHC	2.12	1.46	1.41
7	9	102	BCL	C1B-CHB	2.12	1.46	1.41
7	G	102	BCL	MG-NC	-2.12	2.01	2.06
7	K	101	BCL	C4B-CHC	2.12	1.46	1.41
7	c	102	BCL	MG-NC	-2.12	2.01	2.06
7	8	102	BCL	MG-NA	-2.12	2.01	2.06
7	m	103	BCL	C1B-CHB	2.12	1.46	1.41
7	X	101	BCL	C1B-CHB	2.12	1.46	1.41
7	Z	102	BCL	C4B-CHC	2.11	1.46	1.41
7	o	102	BCL	C1B-CHB	2.11	1.46	1.41
7	O	102	BCL	MG-NC	-2.11	2.01	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	J	102	BCL	C1B-CHB	2.11	1.46	1.41
7	j	102	BCL	C4B-CHC	2.11	1.46	1.41
7	N	102	BCL	MG-NA	-2.11	2.01	2.06
7	m	103	BCL	MG-NC	-2.11	2.01	2.06
7	B	102	BCL	C1B-CHB	2.11	1.46	1.41
7	1	102	BCL	MG-NC	-2.11	2.01	2.06
7	a	102	BCL	C1B-CHB	2.10	1.46	1.41
7	p	102	BCL	C4B-CHC	2.10	1.46	1.41
7	r	102	BCL	C4B-CHC	2.10	1.46	1.41
7	p	102	BCL	C1D-C2D	2.10	1.49	1.45
7	f	103	BCL	C4B-CHC	2.10	1.46	1.41
7	f	103	BCL	MG-NC	-2.10	2.01	2.06
7	f	103	BCL	C1D-C2D	2.10	1.49	1.45
7	H	101	BCL	C1B-CHB	2.10	1.46	1.41
7	L	101	BCL	C1B-CHB	2.10	1.46	1.41
7	d	102	BCL	C4B-CHC	2.10	1.46	1.41
7	o	103	BCL	C1B-CHB	2.10	1.46	1.41
7	K	102	BCL	MG-NC	-2.10	2.01	2.06
7	V	102	BCL	MG-NA	-2.10	2.01	2.06
7	a	102	BCL	C4B-CHC	2.09	1.46	1.41
7	h	103	BCL	C1D-C2D	2.09	1.49	1.45
7	c	102	BCL	C1B-CHB	2.09	1.46	1.41
7	i	102	BCL	MG-NC	-2.09	2.01	2.06
7	h	103	BCL	MG-NC	-2.09	2.01	2.06
7	d	102	BCL	MG-NC	-2.08	2.01	2.06
7	b	103	BCL	MG-NC	-2.08	2.01	2.06
7	4	102	BCL	C4B-CHC	2.08	1.46	1.41
7	j	102	BCL	MG-NC	-2.08	2.01	2.06
7	8	102	BCL	C1B-CHB	2.08	1.46	1.41
7	F	102	BCL	C4B-CHC	2.07	1.46	1.41
7	k	102	BCL	MG-NA	-2.07	2.01	2.06
7	b	103	BCL	C1D-C2D	2.07	1.49	1.45
7	c	101	BCL	MG-NA	-2.07	2.01	2.06
7	n	102	BCL	C1D-C2D	2.07	1.49	1.45
7	l	102	BCL	C1B-CHB	2.07	1.46	1.41
7	r	102	BCL	MG-NC	-2.07	2.01	2.06
7	F	102	BCL	MG-NA	-2.07	2.01	2.06
7	N	102	BCL	C1D-C2D	2.07	1.49	1.45
7	B	102	BCL	C4B-CHC	2.06	1.46	1.41
7	Z	102	BCL	C1D-C2D	2.06	1.49	1.45
7	L	101	BCL	C4B-CHC	2.06	1.46	1.41
7	l	102	BCL	C4B-CHC	2.06	1.46	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	9	102	BCL	MG-NA	-2.06	2.01	2.06
7	b	103	BCL	C1B-CHB	2.06	1.46	1.41
7	g	102	BCL	C1B-CHB	2.06	1.46	1.41
7	f	103	BCL	C1B-CHB	2.06	1.46	1.41
7	k	103	BCL	C1B-CHB	2.06	1.46	1.41
7	J	102	BCL	C4B-CHC	2.06	1.46	1.41
7	h	103	BCL	C4B-CHC	2.06	1.46	1.41
7	D	101	BCL	C4B-CHC	2.06	1.46	1.41
7	r	102	BCL	C1B-CHB	2.06	1.46	1.41
7	9	101	BCL	C4B-CHC	2.05	1.46	1.41
7	Z	102	BCL	MG-NA	-2.05	2.01	2.06
7	C	102	BCL	MG-NA	-2.05	2.01	2.06
7	p	102	BCL	MG-NC	-2.05	2.01	2.06
7	p	102	BCL	C1B-CHB	2.05	1.46	1.41
7	q	103	BCL	C1B-CHB	2.05	1.46	1.41
7	1	102	BCL	MG-NA	-2.05	2.01	2.06
7	W	101	BCL	C4B-CHC	2.05	1.46	1.41
7	e	103	BCL	C1B-CHB	2.05	1.46	1.41
7	i	102	BCL	C1B-CHB	2.05	1.46	1.41
7	r	102	BCL	C1D-C2D	2.05	1.49	1.45
7	B	102	BCL	MG-NA	-2.05	2.01	2.06
7	2	102	BCL	C4B-CHC	2.05	1.46	1.41
7	P	101	BCL	C4B-CHC	2.05	1.46	1.41
7	d	102	BCL	C1D-C2D	2.05	1.49	1.45
7	N	102	BCL	C4B-CHC	2.04	1.46	1.41
7	G	101	BCL	C4B-CHC	2.04	1.46	1.41
7	l	102	BCL	MG-NC	-2.04	2.01	2.06
7	o	102	BCL	MG-NA	-2.04	2.01	2.06
7	6	101	BCL	C4B-CHC	2.04	1.46	1.41
7	O	101	BCL	C4B-CHC	2.04	1.46	1.41
7	W	102	BCL	MG-NA	-2.04	2.01	2.06
7	X	101	BCL	C4B-CHC	2.04	1.46	1.41
7	C	101	BCL	C4B-CHC	2.04	1.46	1.41
7	2	102	BCL	MG-NA	-2.03	2.01	2.06
7	R	102	BCL	C4B-CHC	2.03	1.46	1.41
7	b	103	BCL	MG-NA	-2.03	2.01	2.06
7	j	102	BCL	C1B-CHB	2.03	1.46	1.41
7	G	102	BCL	C4B-CHC	2.03	1.46	1.41
7	O	102	BCL	C4B-CHC	2.03	1.46	1.41
7	d	102	BCL	C1B-CHB	2.03	1.46	1.41
7	S	102	BCL	MG-NC	-2.03	2.01	2.06
7	5	102	BCL	MG-NA	-2.02	2.01	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
7	C	102	BCL	C4B-CHC	2.02	1.46	1.41
7	e	102	BCL	MG-NA	-2.02	2.01	2.06
7	a	101	BCL	MG-NA	-2.02	2.01	2.06
7	m	102	BCL	MG-NC	-2.02	2.01	2.06
7	H	101	BCL	C1D-C2D	2.02	1.49	1.45
7	0	101	BCL	C4B-CHC	2.02	1.46	1.41
7	5	101	BCL	C4D-CHA	2.02	1.45	1.38
7	m	102	BCL	MG-NA	-2.02	2.01	2.06
7	S	102	BCL	C4B-CHC	2.02	1.46	1.41
7	D	101	BCL	C1D-C2D	2.01	1.49	1.45
7	0	101	BCL	C1D-C2D	2.01	1.49	1.45
7	G	102	BCL	MG-NA	-2.01	2.01	2.06
7	l	102	BCL	C1D-C2D	2.01	1.49	1.45
7	n	102	BCL	MG-NC	-2.01	2.01	2.06
7	3	101	BCL	C4B-CHC	2.01	1.46	1.41
7	9	102	BCL	C4B-CHC	2.01	1.46	1.41
7	h	103	BCL	C1B-CHB	2.00	1.46	1.41
7	q	102	BCL	MG-NA	-2.00	2.01	2.06
7	n	102	BCL	C1B-CHB	2.00	1.46	1.41
7	j	102	BCL	MG-NA	-2.00	2.01	2.06
7	S	101	BCL	C4B-CHC	2.00	1.46	1.41

All (1917) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	J	101	CRT	C2-C1-C4	-15.59	86.92	110.86
9	V	101	CRT	C2-C1-C4	-15.59	86.92	110.86
9	4	101	CRT	C2-C1-C4	-15.51	87.04	110.86
9	F	101	CRT	C2-C1-C4	-15.48	87.09	110.86
9	N	101	CRT	C2-C1-C4	-15.45	87.13	110.86
9	B	101	CRT	C2-C1-C4	-15.41	87.20	110.86
9	R	101	CRT	C2-C1-C4	-15.39	87.23	110.86
9	Z	101	CRT	C2-C1-C4	-15.37	87.26	110.86
9	8	101	CRT	C2-C1-C4	-15.36	87.27	110.86
9	B	101	CRT	C3-C1-C4	-14.22	89.02	110.86
9	F	101	CRT	C3-C1-C4	-14.18	89.09	110.86
9	N	101	CRT	C3-C1-C4	-14.05	89.29	110.86
9	4	101	CRT	C3-C1-C4	-14.01	89.35	110.86
9	J	101	CRT	C3-C1-C4	-13.99	89.38	110.86
9	V	101	CRT	C3-C1-C4	-13.99	89.39	110.86
9	R	101	CRT	C3-C1-C4	-13.98	89.39	110.86
9	8	101	CRT	C3-C1-C4	-13.98	89.40	110.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	Z	101	CRT	C3-C1-C4	-13.94	89.45	110.86
7	C	101	BCL	CHD-C1D-ND	-8.99	116.19	124.45
7	5	101	BCL	CHD-C1D-ND	-8.86	116.31	124.45
7	S	101	BCL	CHD-C1D-ND	-8.84	116.33	124.45
7	K	101	BCL	CHD-C1D-ND	-8.78	116.38	124.45
7	G	101	BCL	CHD-C1D-ND	-8.78	116.39	124.45
7	O	101	BCL	CHD-C1D-ND	-8.66	116.50	124.45
7	1	101	BCL	CHD-C1D-ND	-8.66	116.50	124.45
7	W	101	BCL	CHD-C1D-ND	-8.62	116.53	124.45
7	9	101	BCL	CHD-C1D-ND	-8.60	116.55	124.45
7	k	103	BCL	CHD-C1D-ND	-8.57	116.58	124.45
7	g	102	BCL	CHD-C1D-ND	-8.55	116.60	124.45
7	A	101	BCL	CHD-C1D-ND	-8.47	116.67	124.45
7	I	101	BCL	CHD-C1D-ND	-8.46	116.68	124.45
7	o	103	BCL	CHD-C1D-ND	-8.45	116.68	124.45
7	m	103	BCL	CHD-C1D-ND	-8.45	116.69	124.45
7	U	101	BCL	CHD-C1D-ND	-8.45	116.69	124.45
7	7	101	BCL	CHD-C1D-ND	-8.43	116.71	124.45
7	q	103	BCL	CHD-C1D-ND	-8.42	116.72	124.45
7	i	102	BCL	CHD-C1D-ND	-8.40	116.73	124.45
7	O	102	BCL	CMD-C2D-C1D	8.38	139.49	124.71
7	Q	101	BCL	CHD-C1D-ND	-8.38	116.75	124.45
7	M	101	BCL	CHD-C1D-ND	-8.37	116.76	124.45
7	3	101	BCL	CHD-C1D-ND	-8.35	116.78	124.45
7	E	101	BCL	CHD-C1D-ND	-8.34	116.79	124.45
7	c	102	BCL	CHD-C1D-ND	-8.31	116.82	124.45
7	e	103	BCL	CHD-C1D-ND	-8.31	116.82	124.45
7	Y	101	BCL	CHD-C1D-ND	-8.30	116.83	124.45
7	a	102	BCL	CHD-C1D-ND	-8.24	116.88	124.45
7	O	102	BCL	CHD-C1D-ND	-8.21	116.91	124.45
7	q	103	BCL	CMD-C2D-C1D	8.17	139.10	124.71
7	c	102	BCL	CMD-C2D-C1D	8.12	139.03	124.71
7	k	103	BCL	CMD-C2D-C1D	8.11	139.01	124.71
7	c	101	BCL	CHD-C1D-ND	-8.11	117.00	124.45
7	S	102	BCL	CMD-C2D-C1D	8.10	138.99	124.71
7	C	102	BCL	CHD-C1D-ND	-8.09	117.02	124.45
7	o	102	BCL	CHD-C1D-ND	-8.08	117.03	124.45
7	1	102	BCL	CMD-C2D-C1D	8.08	138.95	124.71
7	g	102	BCL	CMD-C2D-C1D	8.07	138.94	124.71
7	1	102	BCL	CHD-C1D-ND	-8.06	117.05	124.45
7	W	102	BCL	CMD-C2D-C1D	8.06	138.92	124.71
7	m	102	BCL	CHD-C1D-ND	-8.05	117.05	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	a	102	BCL	CMD-C2D-C1D	8.04	138.88	124.71
7	S	102	BCL	CHD-C1D-ND	-8.04	117.07	124.45
7	W	102	BCL	CHD-C1D-ND	-8.03	117.07	124.45
7	i	101	BCL	CHD-C1D-ND	-8.03	117.07	124.45
7	K	102	BCL	CHD-C1D-ND	-8.03	117.08	124.45
7	o	103	BCL	CMD-C2D-C1D	8.02	138.85	124.71
7	9	102	BCL	CMD-C2D-C1D	8.02	138.84	124.71
7	9	102	BCL	CHD-C1D-ND	-8.01	117.09	124.45
7	e	103	BCL	CMD-C2D-C1D	8.01	138.82	124.71
7	K	102	BCL	CMD-C2D-C1D	8.01	138.82	124.71
7	C	102	BCL	CMD-C2D-C1D	8.00	138.81	124.71
7	S	101	BCL	CMD-C2D-C1D	7.99	138.80	124.71
7	m	103	BCL	CMD-C2D-C1D	7.98	138.78	124.71
7	G	102	BCL	CHD-C1D-ND	-7.96	117.14	124.45
7	k	102	BCL	CHD-C1D-ND	-7.96	117.14	124.45
7	G	102	BCL	CMD-C2D-C1D	7.96	138.74	124.71
7	i	102	BCL	CMD-C2D-C1D	7.96	138.73	124.71
7	q	102	BCL	CHD-C1D-ND	-7.93	117.16	124.45
7	C	101	BCL	CMD-C2D-C1D	7.93	138.68	124.71
7	g	101	BCL	CHD-C1D-ND	-7.92	117.17	124.45
7	K	101	BCL	CMD-C2D-C1D	7.90	138.64	124.71
7	5	102	BCL	CHD-C1D-ND	-7.89	117.20	124.45
7	e	102	BCL	CHD-C1D-ND	-7.89	117.20	124.45
7	5	102	BCL	CMD-C2D-C1D	7.88	138.61	124.71
7	W	101	BCL	CMD-C2D-C1D	7.87	138.58	124.71
7	a	101	BCL	CHD-C1D-ND	-7.87	117.22	124.45
7	O	101	BCL	CMD-C2D-C1D	7.85	138.55	124.71
7	5	101	BCL	CMD-C2D-C1D	7.85	138.54	124.71
7	1	101	BCL	CMD-C2D-C1D	7.84	138.53	124.71
7	9	101	BCL	CMD-C2D-C1D	7.81	138.47	124.71
7	A	101	BCL	CMD-C2D-C1D	7.79	138.44	124.71
7	7	101	BCL	CMD-C2D-C1D	7.72	138.33	124.71
7	G	101	BCL	CMD-C2D-C1D	7.72	138.32	124.71
7	I	101	BCL	CMD-C2D-C1D	7.70	138.28	124.71
7	E	101	BCL	CMD-C2D-C1D	7.69	138.27	124.71
7	U	101	BCL	CMD-C2D-C1D	7.66	138.21	124.71
7	3	101	BCL	CMD-C2D-C1D	7.66	138.21	124.71
7	Q	101	BCL	CMD-C2D-C1D	7.64	138.18	124.71
7	o	102	BCL	CMD-C2D-C1D	7.60	138.10	124.71
7	M	101	BCL	CMD-C2D-C1D	7.55	138.02	124.71
7	g	101	BCL	CMD-C2D-C1D	7.55	138.02	124.71
7	Y	101	BCL	CMD-C2D-C1D	7.55	138.02	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	k	102	BCL	CMD-C2D-C1D	7.54	138.00	124.71
7	a	101	BCL	CMD-C2D-C1D	7.52	137.96	124.71
7	i	101	BCL	CMD-C2D-C1D	7.51	137.96	124.71
7	p	102	BCL	CHD-C1D-ND	-7.51	117.56	124.45
7	b	103	BCL	CHD-C1D-ND	-7.50	117.56	124.45
7	m	102	BCL	CMD-C2D-C1D	7.49	137.92	124.71
9	f	101	CRT	C21-C22-C23	-7.49	116.62	127.31
7	N	102	BCL	CHD-C1D-ND	-7.48	117.58	124.45
7	e	102	BCL	CMD-C2D-C1D	7.43	137.80	124.71
7	c	101	BCL	CMD-C2D-C1D	7.42	137.79	124.71
7	n	102	BCL	CHD-C1D-ND	-7.42	117.63	124.45
7	J	102	BCL	CHD-C1D-ND	-7.39	117.66	124.45
7	h	103	BCL	CHD-C1D-ND	-7.38	117.67	124.45
7	f	103	BCL	CHD-C1D-ND	-7.38	117.67	124.45
7	Z	102	BCL	CHD-C1D-ND	-7.37	117.69	124.45
7	R	102	BCL	CHD-C1D-ND	-7.35	117.70	124.45
7	q	102	BCL	CMD-C2D-C1D	7.31	137.60	124.71
7	d	102	BCL	CHD-C1D-ND	-7.31	117.74	124.45
7	r	102	BCL	CHD-C1D-ND	-7.28	117.76	124.45
7	l	102	BCL	CHD-C1D-ND	-7.25	117.79	124.45
7	F	102	BCL	CHD-C1D-ND	-7.25	117.79	124.45
7	8	102	BCL	CHD-C1D-ND	-7.24	117.80	124.45
7	B	102	BCL	CHD-C1D-ND	-7.21	117.83	124.45
7	j	102	BCL	CHD-C1D-ND	-7.21	117.83	124.45
9	b	101	CRT	C21-C22-C23	-7.18	117.06	127.31
7	T	101	BCL	CHD-C1D-ND	-7.16	117.88	124.45
9	o	101	CRT	C21-C22-C23	-7.14	117.11	127.31
7	4	102	BCL	CHD-C1D-ND	-7.14	117.89	124.45
7	D	101	BCL	CHD-C1D-ND	-7.12	117.91	124.45
7	L	101	BCL	CHD-C1D-ND	-7.11	117.92	124.45
7	V	102	BCL	CHD-C1D-ND	-7.11	117.92	124.45
7	P	101	BCL	CHD-C1D-ND	-7.11	117.92	124.45
7	0	101	BCL	CHD-C1D-ND	-7.11	117.92	124.45
7	2	102	BCL	CHD-C1D-ND	-7.08	117.95	124.45
9	k	101	CRT	C21-C22-C23	-7.07	117.22	127.31
7	6	101	BCL	CHD-C1D-ND	-7.05	117.97	124.45
7	H	101	BCL	CHD-C1D-ND	-7.05	117.98	124.45
9	m	101	CRT	C21-C22-C23	-7.03	117.28	127.31
7	b	103	BCL	CMD-C2D-C1D	7.00	137.05	124.71
9	q	101	CRT	C21-C22-C23	-6.99	117.34	127.31
7	n	102	BCL	CMD-C2D-C1D	6.98	137.02	124.71
7	X	101	BCL	CHD-C1D-ND	-6.96	118.06	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	p	102	BCL	CMD-C2D-C1D	6.96	136.98	124.71
7	h	103	BCL	CMD-C2D-C1D	6.95	136.96	124.71
9	e	101	CRT	C21-C22-C23	-6.94	117.40	127.31
7	f	103	BCL	CMD-C2D-C1D	6.94	136.94	124.71
7	d	102	BCL	CMD-C2D-C1D	6.92	136.91	124.71
7	j	102	BCL	CMD-C2D-C1D	6.84	136.77	124.71
7	l	102	BCL	CMD-C2D-C1D	6.77	136.65	124.71
9	a	105	CRT	C21-C22-C23	-6.69	117.77	127.31
7	r	102	BCL	CMD-C2D-C1D	6.67	136.47	124.71
9	h	101	CRT	C21-C22-C23	-6.63	117.85	127.31
7	H	101	BCL	CMD-C2D-C1D	6.43	136.05	124.71
7	0	101	BCL	CMD-C2D-C1D	6.38	135.95	124.71
7	T	101	BCL	CMD-C2D-C1D	6.35	135.91	124.71
7	Z	102	BCL	CMD-C2D-C1D	6.34	135.89	124.71
7	6	101	BCL	CMD-C2D-C1D	6.33	135.87	124.71
7	N	102	BCL	CMD-C2D-C1D	6.29	135.80	124.71
7	D	101	BCL	CMD-C2D-C1D	6.29	135.79	124.71
7	P	101	BCL	CMD-C2D-C1D	6.27	135.77	124.71
7	L	101	BCL	CMD-C2D-C1D	6.27	135.76	124.71
7	2	102	BCL	CMD-C2D-C1D	6.23	135.69	124.71
7	B	102	BCL	CMD-C2D-C1D	6.14	135.54	124.71
7	X	101	BCL	CMD-C2D-C1D	6.13	135.52	124.71
7	4	102	BCL	CMD-C2D-C1D	6.11	135.48	124.71
7	J	102	BCL	CMD-C2D-C1D	6.09	135.44	124.71
7	R	102	BCL	CMD-C2D-C1D	6.05	135.37	124.71
7	8	102	BCL	CMD-C2D-C1D	6.02	135.33	124.71
7	V	102	BCL	CMD-C2D-C1D	6.00	135.29	124.71
7	F	102	BCL	CMD-C2D-C1D	5.97	135.24	124.71
7	L	101	BCL	C2D-C1D-ND	5.79	114.37	110.10
7	e	103	BCL	O2D-CGD-CBD	5.70	121.39	111.27
7	o	103	BCL	O2D-CGD-CBD	5.68	121.36	111.27
7	k	103	BCL	O2D-CGD-CBD	5.64	121.30	111.27
7	2	102	BCL	C2D-C1D-ND	5.63	114.25	110.10
7	q	103	BCL	O2D-CGD-CBD	5.63	121.26	111.27
7	P	101	BCL	C2D-C1D-ND	5.60	114.23	110.10
7	V	102	BCL	C2D-C1D-ND	5.59	114.23	110.10
7	0	101	BCL	C2D-C1D-ND	5.59	114.22	110.10
7	Z	102	BCL	C2D-C1D-ND	5.58	114.21	110.10
7	D	101	BCL	C2D-C1D-ND	5.56	114.20	110.10
7	g	102	BCL	O2D-CGD-CBD	5.55	121.14	111.27
7	6	101	BCL	C2D-C1D-ND	5.55	114.19	110.10
7	F	102	BCL	C2D-C1D-ND	5.53	114.18	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	i	102	BCL	O2D-CGD-CBD	5.52	121.08	111.27
7	R	102	BCL	C2D-C1D-ND	5.50	114.16	110.10
7	c	102	BCL	O2D-CGD-CBD	5.49	121.03	111.27
7	H	101	BCL	C2D-C1D-ND	5.47	114.14	110.10
7	4	102	BCL	C2D-C1D-ND	5.47	114.13	110.10
7	m	103	BCL	O2D-CGD-CBD	5.46	120.97	111.27
7	T	101	BCL	C2D-C1D-ND	5.46	114.12	110.10
7	N	102	BCL	C2D-C1D-ND	5.45	114.12	110.10
7	J	102	BCL	C2D-C1D-ND	5.44	114.11	110.10
7	8	102	BCL	C2D-C1D-ND	5.38	114.07	110.10
7	B	102	BCL	C2D-C1D-ND	5.38	114.07	110.10
7	a	102	BCL	O2D-CGD-CBD	5.36	120.79	111.27
7	X	101	BCL	C2D-C1D-ND	5.34	114.04	110.10
7	A	101	BCL	C2D-C1D-ND	5.23	113.96	110.10
7	K	101	BCL	C2D-C1D-ND	5.23	113.96	110.10
7	G	102	BCL	O2D-CGD-CBD	5.22	120.54	111.27
7	Q	101	BCL	C2D-C1D-ND	5.21	113.94	110.10
7	C	101	BCL	C2D-C1D-ND	5.20	113.94	110.10
7	S	102	BCL	O2D-CGD-CBD	5.20	120.50	111.27
7	U	101	BCL	C2D-C1D-ND	5.20	113.93	110.10
7	E	101	BCL	C2D-C1D-ND	5.13	113.88	110.10
7	O	102	BCL	O2D-CGD-CBD	5.12	120.37	111.27
7	I	101	BCL	C2D-C1D-ND	5.11	113.87	110.10
7	5	101	BCL	C2D-C1D-ND	5.10	113.86	110.10
7	Y	101	BCL	C2D-C1D-ND	5.09	113.86	110.10
7	K	102	BCL	O2D-CGD-CBD	5.09	120.31	111.27
7	9	102	BCL	O2D-CGD-CBD	5.08	120.29	111.27
7	W	102	BCL	O2D-CGD-CBD	5.08	120.29	111.27
7	7	101	BCL	C2D-C1D-ND	5.07	113.84	110.10
7	W	101	BCL	C2D-C1D-ND	5.06	113.84	110.10
7	C	102	BCL	O2D-CGD-CBD	5.03	120.21	111.27
7	S	101	BCL	C2D-C1D-ND	5.01	113.80	110.10
7	1	101	BCL	C2D-C1D-ND	5.01	113.80	110.10
7	g	101	BCL	C2D-C1D-ND	5.00	113.79	110.10
7	5	102	BCL	O2D-CGD-CBD	4.98	120.12	111.27
7	O	102	BCL	C3D-C2D-C1D	-4.98	99.03	105.83
7	9	101	BCL	C2D-C1D-ND	4.97	113.77	110.10
7	M	101	BCL	C2D-C1D-ND	4.97	113.77	110.10
7	9	102	BCL	C3D-C2D-C1D	-4.96	99.06	105.83
7	1	102	BCL	O2D-CGD-CBD	4.96	120.08	111.27
7	9	102	BCL	C2D-C1D-ND	4.96	113.76	110.10
7	m	103	BCL	C2D-C1D-ND	4.96	113.76	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	3	101	BCL	C2D-C1D-ND	4.95	113.75	110.10
7	K	102	BCL	C2D-C1D-ND	4.95	113.75	110.10
7	O	101	BCL	C2D-C1D-ND	4.95	113.75	110.10
7	p	102	BCL	C2D-C1D-ND	4.94	113.75	110.10
7	K	101	BCL	C3D-C2D-C1D	-4.94	99.09	105.83
7	Q	101	BCL	C3D-C2D-C1D	-4.94	99.09	105.83
7	C	101	BCL	C3D-C2D-C1D	-4.94	99.10	105.83
7	S	102	BCL	C3D-C2D-C1D	-4.93	99.10	105.83
7	5	101	BCL	C3D-C2D-C1D	-4.93	99.10	105.83
7	o	102	BCL	C2D-C1D-ND	4.93	113.74	110.10
7	S	101	BCL	C3D-C2D-C1D	-4.92	99.11	105.83
7	K	102	BCL	C3D-C2D-C1D	-4.92	99.12	105.83
7	U	101	BCL	C3D-C2D-C1D	-4.92	99.12	105.83
7	G	101	BCL	C2D-C1D-ND	4.91	113.72	110.10
7	c	101	BCL	C2D-C1D-ND	4.91	113.72	110.10
7	S	102	BCL	C2D-C1D-ND	4.91	113.72	110.10
7	A	101	BCL	C3D-C2D-C1D	-4.91	99.13	105.83
7	C	102	BCL	C3D-C2D-C1D	-4.90	99.14	105.83
7	7	101	BCL	C3D-C2D-C1D	-4.90	99.14	105.83
7	E	101	BCL	C3D-C2D-C1D	-4.90	99.15	105.83
7	O	101	BCL	C3D-C2D-C1D	-4.89	99.16	105.83
7	i	101	BCL	C2D-C1D-ND	4.89	113.71	110.10
7	g	101	BCL	C3D-C2D-C1D	-4.88	99.17	105.83
7	1	102	BCL	C3D-C2D-C1D	-4.88	99.18	105.83
7	o	102	BCL	C3D-C2D-C1D	-4.87	99.18	105.83
7	C	102	BCL	C2D-C1D-ND	4.87	113.70	110.10
7	Y	101	BCL	C3D-C2D-C1D	-4.87	99.19	105.83
7	6	101	BCL	O2D-CGD-CBD	4.87	119.91	111.27
7	k	102	BCL	C2D-C1D-ND	4.86	113.69	110.10
7	W	101	BCL	C3D-C2D-C1D	-4.86	99.20	105.83
7	O	102	BCL	C2D-C1D-ND	4.86	113.69	110.10
7	n	102	BCL	C2D-C1D-ND	4.86	113.69	110.10
9	V	101	CRT	C3-C1-C2	4.86	119.51	110.37
7	m	102	BCL	C2D-C1D-ND	4.85	113.68	110.10
7	M	101	BCL	C3D-C2D-C1D	-4.85	99.21	105.83
7	i	101	BCL	C3D-C2D-C1D	-4.85	99.21	105.83
7	k	103	BCL	C2D-C1D-ND	4.83	113.66	110.10
7	r	102	BCL	C2D-C1D-ND	4.83	113.66	110.10
7	9	101	BCL	C3D-C2D-C1D	-4.83	99.24	105.83
7	j	102	BCL	C2D-C1D-ND	4.82	113.66	110.10
7	I	101	BCL	C3D-C2D-C1D	-4.82	99.25	105.83
7	3	101	BCL	C3D-C2D-C1D	-4.82	99.26	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	5	102	BCL	C3D-C2D-C1D	-4.82	99.26	105.83
7	q	102	BCL	C2D-C1D-ND	4.81	113.65	110.10
7	a	101	BCL	C3D-C2D-C1D	-4.81	99.26	105.83
7	a	101	BCL	C2D-C1D-ND	4.81	113.65	110.10
7	l	102	BCL	C2D-C1D-ND	4.81	113.64	110.10
7	1	101	BCL	C3D-C2D-C1D	-4.80	99.28	105.83
7	W	102	BCL	C3D-C2D-C1D	-4.80	99.28	105.83
7	m	102	BCL	C3D-C2D-C1D	-4.80	99.28	105.83
7	k	102	BCL	C3D-C2D-C1D	-4.80	99.28	105.83
7	G	101	BCL	C3D-C2D-C1D	-4.80	99.28	105.83
7	G	102	BCL	C3D-C2D-C1D	-4.80	99.29	105.83
7	h	103	BCL	C2D-C1D-ND	4.79	113.63	110.10
7	c	101	BCL	C3D-C2D-C1D	-4.78	99.30	105.83
7	L	101	BCL	C3D-C2D-C1D	-4.78	99.31	105.83
7	m	103	BCL	CHD-C4C-NC	4.78	130.39	125.08
7	6	101	BCL	C3D-C2D-C1D	-4.78	99.31	105.83
7	T	101	BCL	O2D-CGD-CBD	4.77	119.74	111.27
7	H	101	BCL	C3D-C2D-C1D	-4.76	99.34	105.83
7	c	102	BCL	C2D-C1D-ND	4.76	113.61	110.10
7	c	102	BCL	CHD-C4C-NC	4.76	130.36	125.08
7	q	102	BCL	C3D-C2D-C1D	-4.76	99.34	105.83
9	B	101	CRT	C3-C1-C2	4.75	119.31	110.37
9	F	101	CRT	C3-C1-C2	4.74	119.29	110.37
7	D	101	BCL	C3D-C2D-C1D	-4.74	99.36	105.83
7	W	102	BCL	C2D-C1D-ND	4.74	113.60	110.10
7	2	102	BCL	O2D-CGD-CBD	4.74	119.69	111.27
7	i	102	BCL	CHD-C4C-NC	4.74	130.34	125.08
7	2	102	BCL	C3C-C4C-CHD	-4.74	113.27	123.39
7	b	103	BCL	C2D-C1D-ND	4.73	113.59	110.10
7	2	102	BCL	C3D-C2D-C1D	-4.73	99.37	105.83
7	e	102	BCL	C3D-C2D-C1D	-4.73	99.37	105.83
7	0	101	BCL	C3D-C2D-C1D	-4.73	99.37	105.83
7	P	101	BCL	C3C-C4C-CHD	-4.73	113.29	123.39
7	f	103	BCL	C2D-C1D-ND	4.72	113.58	110.10
7	D	101	BCL	O2D-CGD-CBD	4.72	119.65	111.27
7	X	101	BCL	O2D-CGD-CBD	4.72	119.65	111.27
7	L	101	BCL	CMB-C2B-C3B	4.72	133.50	124.68
7	1	102	BCL	C2D-C1D-ND	4.71	113.58	110.10
9	N	101	CRT	C3-C1-C2	4.71	119.23	110.37
7	e	102	BCL	C2D-C1D-ND	4.71	113.57	110.10
7	P	101	BCL	C3D-C2D-C1D	-4.71	99.41	105.83
7	5	102	BCL	C2D-C1D-ND	4.71	113.57	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	F	102	BCL	C3C-C4C-CHD	-4.70	113.35	123.39
7	D	101	BCL	C3C-C4C-CHD	-4.70	113.36	123.39
7	V	102	BCL	C3C-C4C-CHD	-4.70	113.36	123.39
7	k	103	BCL	CHD-C4C-NC	4.69	130.29	125.08
7	P	101	BCL	O2D-CGD-CBD	4.69	119.60	111.27
7	k	103	BCL	C3D-C2D-C1D	-4.69	99.43	105.83
7	L	101	BCL	C3C-C4C-CHD	-4.69	113.38	123.39
7	Z	102	BCL	C3D-C2D-C1D	-4.68	99.44	105.83
9	J	101	CRT	C3-C1-C2	4.68	119.18	110.37
7	T	101	BCL	C3D-C2D-C1D	-4.68	99.45	105.83
7	m	103	BCL	C3D-C2D-C1D	-4.67	99.46	105.83
7	0	101	BCL	C3C-C4C-CHD	-4.67	113.41	123.39
7	L	101	BCL	O2D-CGD-CBD	4.66	119.56	111.27
7	N	102	BCL	C3D-C2D-C1D	-4.66	99.47	105.83
7	4	102	BCL	C3C-C4C-CHD	-4.66	113.44	123.39
7	V	102	BCL	C3D-C2D-C1D	-4.66	99.48	105.83
7	2	102	BCL	CMB-C2B-C3B	4.65	133.38	124.68
7	R	102	BCL	C3D-C2D-C1D	-4.65	99.49	105.83
7	X	101	BCL	C3D-C2D-C1D	-4.64	99.49	105.83
9	Z	101	CRT	C3-C1-C2	4.64	119.10	110.37
7	T	101	BCL	C3C-C4C-CHD	-4.64	113.48	123.39
7	c	102	BCL	C3D-C2D-C1D	-4.64	99.51	105.83
7	B	102	BCL	C3C-C4C-CHD	-4.63	113.49	123.39
7	h	103	BCL	C3D-C2D-C1D	-4.63	99.51	105.83
7	B	102	BCL	C3D-C2D-C1D	-4.62	99.53	105.83
9	4	101	CRT	C3-C1-C2	4.62	119.05	110.37
7	H	101	BCL	C3C-C4C-CHD	-4.61	113.53	123.39
7	R	102	BCL	C3C-C4C-CHD	-4.61	113.53	123.39
7	d	102	BCL	C2D-C1D-ND	4.61	113.50	110.10
9	Z	101	CRT	C21-C22-C23	-4.61	120.73	127.31
7	5	101	BCL	CMB-C2B-C3B	4.61	133.31	124.68
7	F	102	BCL	C3D-C2D-C1D	-4.61	99.54	105.83
7	8	102	BCL	C3D-C2D-C1D	-4.61	99.54	105.83
7	8	102	BCL	C3C-C4C-CHD	-4.61	113.55	123.39
7	N	102	BCL	C3C-C4C-CHD	-4.60	113.56	123.39
7	X	101	BCL	CMB-C2B-C3B	4.60	133.29	124.68
7	n	102	BCL	C3D-C2D-C1D	-4.60	99.56	105.83
7	P	101	BCL	CMB-C2B-C3B	4.59	133.27	124.68
7	o	103	BCL	C3D-C2D-C1D	-4.59	99.56	105.83
7	p	102	BCL	C3D-C2D-C1D	-4.59	99.56	105.83
7	0	101	BCL	CMB-C2B-C3B	4.59	133.26	124.68
7	r	102	BCL	O2D-CGD-CBD	4.59	119.42	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	X	101	BCL	C3C-C4C-CHD	-4.59	113.59	123.39
9	k	101	CRT	C20-C19-C17	-4.59	120.76	127.31
7	4	102	BCL	C3D-C2D-C1D	-4.58	99.58	105.83
7	g	102	BCL	C3D-C2D-C1D	-4.58	99.58	105.83
7	e	103	BCL	C3D-C2D-C1D	-4.58	99.58	105.83
7	D	101	BCL	CMB-C2B-C3B	4.57	133.24	124.68
7	4	102	BCL	CHD-C4C-NC	4.57	130.15	125.08
7	G	101	BCL	CMB-C2B-C3B	4.57	133.23	124.68
7	J	102	BCL	C3C-C4C-CHD	-4.57	113.63	123.39
7	F	102	BCL	CHD-C4C-NC	4.57	130.15	125.08
7	l	102	BCL	C3D-C2D-C1D	-4.57	99.60	105.83
7	R	102	BCL	CHD-C4C-NC	4.56	130.15	125.08
9	R	101	CRT	C3-C1-C2	4.56	118.95	110.37
7	g	102	BCL	C2D-C1D-ND	4.56	113.46	110.10
7	f	103	BCL	C3D-C2D-C1D	-4.55	99.62	105.83
7	j	102	BCL	C3D-C2D-C1D	-4.55	99.63	105.83
7	q	103	BCL	C3D-C2D-C1D	-4.55	99.63	105.83
7	b	103	BCL	C3D-C2D-C1D	-4.54	99.63	105.83
7	0	101	BCL	O2D-CGD-CBD	4.54	119.34	111.27
7	J	102	BCL	C3D-C2D-C1D	-4.54	99.63	105.83
9	F	101	CRT	C21-C22-C23	-4.53	120.84	127.31
7	a	102	BCL	C3D-C2D-C1D	-4.53	99.64	105.83
7	6	101	BCL	C3C-C4C-CHD	-4.53	113.71	123.39
7	B	102	BCL	CHD-C4C-NC	4.53	130.11	125.08
7	M	101	BCL	CMB-C2B-C3B	4.53	133.15	124.68
7	Z	102	BCL	C3C-C4C-CHD	-4.53	113.72	123.39
7	H	101	BCL	O2D-CGD-CBD	4.53	119.31	111.27
7	0	101	BCL	CHD-C4C-NC	4.53	130.10	125.08
7	K	101	BCL	CMB-C2B-C3B	4.53	133.15	124.68
7	i	102	BCL	C3D-C2D-C1D	-4.52	99.66	105.83
7	V	102	BCL	CHD-C4C-NC	4.52	130.10	125.08
7	3	101	BCL	CMB-C2B-C3B	4.52	133.14	124.68
7	d	102	BCL	O2D-CGD-CBD	4.52	119.30	111.27
7	Y	101	BCL	CMB-C2B-C3B	4.52	133.13	124.68
7	G	102	BCL	C2D-C1D-ND	4.52	113.43	110.10
7	o	103	BCL	C2D-C1D-ND	4.51	113.43	110.10
7	i	102	BCL	C2D-C1D-ND	4.51	113.43	110.10
7	O	101	BCL	CMB-C2B-C3B	4.51	133.12	124.68
7	9	101	BCL	CMB-C2B-C3B	4.51	133.11	124.68
7	r	102	BCL	C3D-C2D-C1D	-4.50	99.69	105.83
7	8	102	BCL	CHD-C4C-NC	4.50	130.07	125.08
7	C	101	BCL	CMB-C2B-C3B	4.50	133.09	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	I	101	BCL	CMB-C2B-C3B	4.50	133.09	124.68
7	W	101	BCL	CHD-C4C-NC	4.49	130.07	125.08
7	1	101	BCL	CMB-C2B-C3B	4.49	133.08	124.68
9	N	101	CRT	C21-C22-C23	-4.49	120.90	127.31
7	H	101	BCL	CMB-C2B-C3B	4.49	133.07	124.68
7	N	102	BCL	CHD-C4C-NC	4.49	130.06	125.08
7	P	101	BCL	CHD-C4C-NC	4.49	130.06	125.08
7	E	101	BCL	CMB-C2B-C3B	4.49	133.07	124.68
9	8	101	CRT	C3-C1-C2	4.48	118.80	110.37
7	a	102	BCL	C2D-C1D-ND	4.48	113.41	110.10
7	W	101	BCL	CMB-C2B-C3B	4.48	133.05	124.68
7	d	102	BCL	C3D-C2D-C1D	-4.47	99.73	105.83
7	J	102	BCL	CHD-C4C-NC	4.47	130.04	125.08
7	e	103	BCL	C2D-C1D-ND	4.47	113.39	110.10
7	J	102	BCL	CMB-C2B-C3B	4.46	133.02	124.68
9	J	101	CRT	C21-C22-C23	-4.46	120.94	127.31
7	L	101	BCL	C1D-ND-C4D	-4.46	103.17	106.33
7	Z	102	BCL	C1D-ND-C4D	-4.46	103.17	106.33
7	Z	102	BCL	CHD-C4C-NC	4.45	130.02	125.08
7	2	102	BCL	CHD-C4C-NC	4.45	130.02	125.08
7	S	101	BCL	CMB-C2B-C3B	4.45	133.01	124.68
7	q	103	BCL	CHD-C4C-NC	4.45	130.02	125.08
7	T	101	BCL	CMB-C2B-C3B	4.45	133.00	124.68
7	6	101	BCL	CMB-C2B-C3B	4.44	132.99	124.68
7	g	102	BCL	CHD-C4C-NC	4.44	130.01	125.08
7	B	102	BCL	CMB-C2B-C3B	4.44	132.99	124.68
7	U	101	BCL	CMB-C2B-C3B	4.43	132.97	124.68
7	j	102	BCL	O2D-CGD-CBD	4.42	119.13	111.27
7	C	101	BCL	CHD-C4C-NC	4.42	129.99	125.08
7	R	102	BCL	CMB-C2B-C3B	4.42	132.94	124.68
7	Q	101	BCL	CMB-C2B-C3B	4.42	132.94	124.68
7	o	103	BCL	CHD-C4C-NC	4.41	129.98	125.08
7	L	101	BCL	CHD-C4C-NC	4.41	129.98	125.08
7	C	101	BCL	O2D-CGD-CBD	4.41	119.11	111.27
7	5	101	BCL	CHD-C4C-NC	4.40	129.96	125.08
9	R	101	CRT	C21-C22-C23	-4.40	121.03	127.31
7	e	103	BCL	CHD-C4C-NC	4.40	129.96	125.08
7	l	102	BCL	O2D-CGD-CBD	4.40	119.08	111.27
9	V	101	CRT	C21-C22-C23	-4.39	121.04	127.31
7	a	102	BCL	CHD-C4C-NC	4.39	129.95	125.08
7	I	101	BCL	O2D-CGD-CBD	4.38	119.05	111.27
7	8	102	BCL	CMB-C2B-C3B	4.38	132.87	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	h	101	CRT	C20-C19-C17	-4.38	121.07	127.31
7	7	101	BCL	CMB-C2B-C3B	4.37	132.86	124.68
7	A	101	BCL	CMB-C2B-C3B	4.37	132.86	124.68
7	5	101	BCL	O2D-CGD-CBD	4.37	119.03	111.27
7	Z	102	BCL	CMB-C2B-C3B	4.37	132.85	124.68
9	e	101	CRT	C20-C19-C17	-4.36	121.09	127.31
7	D	101	BCL	CHD-C4C-NC	4.36	129.92	125.08
7	a	101	BCL	O2D-CGD-CBD	4.35	119.00	111.27
7	q	103	BCL	C2D-C1D-ND	4.35	113.31	110.10
7	6	101	BCL	CHD-C4C-NC	4.34	129.90	125.08
7	m	103	BCL	C3C-C4C-CHD	-4.34	114.13	123.39
7	9	102	BCL	CMB-C2B-C3B	4.33	132.79	124.68
7	O	101	BCL	CHD-C4C-NC	4.32	129.88	125.08
7	p	102	BCL	O2D-CGD-CBD	4.32	118.94	111.27
7	H	101	BCL	CHD-C4C-NC	4.31	129.86	125.08
7	A	101	BCL	C1D-ND-C4D	-4.31	103.27	106.33
7	V	102	BCL	C1D-ND-C4D	-4.31	103.27	106.33
7	9	101	BCL	O2D-CGD-CBD	4.30	118.92	111.27
7	4	102	BCL	CMB-C2B-C3B	4.30	132.73	124.68
7	A	101	BCL	O2D-CGD-CBD	4.30	118.91	111.27
9	o	101	CRT	C20-C19-C17	-4.30	121.17	127.31
7	b	103	BCL	O2D-CGD-CBD	4.30	118.91	111.27
7	R	102	BCL	C1D-ND-C4D	-4.30	103.28	106.33
7	f	103	BCL	O2D-CGD-CBD	4.30	118.90	111.27
7	0	101	BCL	C1D-ND-C4D	-4.29	103.29	106.33
9	B	101	CRT	C21-C22-C23	-4.29	121.19	127.31
7	n	102	BCL	O2D-CGD-CBD	4.29	118.88	111.27
7	U	101	BCL	O2D-CGD-CBD	4.28	118.88	111.27
7	E	101	BCL	O2D-CGD-CBD	4.28	118.88	111.27
7	1	101	BCL	O2D-CGD-CBD	4.28	118.88	111.27
7	4	102	BCL	C1D-ND-C4D	-4.28	103.30	106.33
7	h	103	BCL	O2D-CGD-CBD	4.27	118.86	111.27
7	T	101	BCL	CHD-C4C-NC	4.27	129.82	125.08
7	K	101	BCL	O2D-CGD-CBD	4.27	118.85	111.27
7	A	101	BCL	CHD-C4C-NC	4.27	129.81	125.08
7	V	102	BCL	CMB-C2B-C3B	4.27	132.66	124.68
7	q	102	BCL	O2D-CGD-CBD	4.27	118.85	111.27
9	b	101	CRT	C20-C19-C17	-4.27	121.22	127.31
7	N	102	BCL	CMB-C2B-C3B	4.26	132.66	124.68
7	S	101	BCL	CHD-C4C-NC	4.26	129.81	125.08
7	O	101	BCL	O2D-CGD-CBD	4.25	118.83	111.27
7	J	102	BCL	C1D-ND-C4D	-4.25	103.31	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	F	102	BCL	CMB-C2B-C3B	4.25	132.63	124.68
7	S	101	BCL	O2D-CGD-CBD	4.25	118.82	111.27
7	9	101	BCL	CHD-C4C-NC	4.25	129.79	125.08
7	P	101	BCL	C1D-ND-C4D	-4.25	103.32	106.33
7	Y	101	BCL	O2D-CGD-CBD	4.24	118.81	111.27
7	U	101	BCL	CHD-C4C-NC	4.24	129.79	125.08
7	Y	101	BCL	CHD-C4C-NC	4.24	129.78	125.08
7	K	101	BCL	CHD-C4C-NC	4.23	129.78	125.08
7	X	101	BCL	CHD-C4C-NC	4.23	129.78	125.08
7	m	102	BCL	O2D-CGD-CBD	4.23	118.78	111.27
7	2	102	BCL	C1D-ND-C4D	-4.23	103.33	106.33
7	1	101	BCL	CHD-C4C-NC	4.23	129.77	125.08
7	Q	101	BCL	CHD-C4C-NC	4.22	129.77	125.08
7	N	102	BCL	C1D-ND-C4D	-4.22	103.34	106.33
7	I	101	BCL	CHD-C4C-NC	4.22	129.76	125.08
7	A	101	BCL	C3C-C4C-CHD	-4.21	114.39	123.39
7	e	102	BCL	O2D-CGD-CBD	4.21	118.75	111.27
9	a	105	CRT	C20-C19-C17	-4.20	121.31	127.31
7	O	102	BCL	CMB-C2B-C3B	4.20	132.54	124.68
9	8	101	CRT	C21-C22-C23	-4.20	121.31	127.31
7	D	101	BCL	C1D-ND-C4D	-4.20	103.35	106.33
7	c	102	BCL	C3C-C4C-CHD	-4.20	114.42	123.39
7	S	102	BCL	CHD-C4C-NC	4.20	129.74	125.08
7	M	101	BCL	O2D-CGD-CBD	4.20	118.72	111.27
7	7	101	BCL	O2D-CGD-CBD	4.19	118.72	111.27
7	U	101	BCL	C1D-ND-C4D	-4.19	103.36	106.33
7	E	101	BCL	C3C-C4C-CHD	-4.19	114.45	123.39
7	F	102	BCL	C1D-ND-C4D	-4.19	103.36	106.33
7	C	102	BCL	CMB-C2B-C3B	4.18	132.51	124.68
7	Q	101	BCL	O2D-CGD-CBD	4.18	118.70	111.27
7	m	103	BCL	C1D-ND-C4D	-4.18	103.37	106.33
7	i	101	BCL	O2D-CGD-CBD	4.18	118.69	111.27
7	Q	101	BCL	C1D-ND-C4D	-4.17	103.37	106.33
7	G	101	BCL	CHD-C4C-NC	4.16	129.70	125.08
7	I	101	BCL	C1D-ND-C4D	-4.16	103.38	106.33
7	E	101	BCL	CHD-C4C-NC	4.16	129.70	125.08
7	W	102	BCL	CMB-C2B-C3B	4.16	132.46	124.68
7	I	101	BCL	C3C-C4C-CHD	-4.16	114.51	123.39
7	3	101	BCL	CHD-C4C-NC	4.16	129.69	125.08
7	G	101	BCL	O2D-CGD-CBD	4.15	118.65	111.27
7	C	101	BCL	C1D-ND-C4D	-4.15	103.39	106.33
7	K	101	BCL	C1D-ND-C4D	-4.15	103.39	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	T	101	BCL	C1D-ND-C4D	-4.15	103.39	106.33
7	Y	101	BCL	C3C-C4C-CHD	-4.15	114.53	123.39
7	k	103	BCL	C1D-ND-C4D	-4.14	103.39	106.33
7	3	101	BCL	O2D-CGD-CBD	4.14	118.63	111.27
7	S	102	BCL	C3C-C4C-CHD	-4.14	114.55	123.39
7	7	101	BCL	CHD-C4C-NC	4.14	129.68	125.08
7	K	102	BCL	C1D-ND-C4D	-4.14	103.40	106.33
7	U	101	BCL	C3C-C4C-CHD	-4.14	114.56	123.39
7	k	102	BCL	O2D-CGD-CBD	4.13	118.61	111.27
7	i	102	BCL	C3C-C4C-CHD	-4.13	114.57	123.39
7	H	101	BCL	C1D-ND-C4D	-4.13	103.40	106.33
7	S	102	BCL	C1D-ND-C4D	-4.12	103.41	106.33
7	C	102	BCL	C1D-ND-C4D	-4.11	103.41	106.33
7	K	102	BCL	CMB-C2B-C3B	4.11	132.37	124.68
7	M	101	BCL	CHD-C4C-NC	4.11	129.64	125.08
7	K	102	BCL	CHD-C4C-NC	4.10	129.63	125.08
7	B	102	BCL	C1D-ND-C4D	-4.10	103.42	106.33
7	k	103	BCL	C3C-C4C-CHD	-4.09	114.65	123.39
9	e	101	CRT	C21-C20-C19	-4.09	115.09	123.47
7	Q	101	BCL	C3C-C4C-CHD	-4.09	114.66	123.39
7	g	101	BCL	C3C-C4C-CHD	-4.08	114.68	123.39
7	O	102	BCL	CHD-C4C-NC	4.08	129.60	125.08
7	c	102	BCL	C1D-ND-C4D	-4.08	103.44	106.33
7	C	102	BCL	CHD-C4C-NC	4.07	129.59	125.08
7	1	102	BCL	CMB-C2B-C3B	4.07	132.29	124.68
7	O	102	BCL	C1D-ND-C4D	-4.07	103.45	106.33
7	6	101	BCL	C1D-ND-C4D	-4.06	103.45	106.33
7	Y	101	BCL	C1D-ND-C4D	-4.06	103.45	106.33
7	o	102	BCL	O2D-CGD-CBD	4.06	118.47	111.27
7	E	101	BCL	C1D-ND-C4D	-4.05	103.46	106.33
7	9	102	BCL	C1D-ND-C4D	-4.05	103.46	106.33
10	m	104	PGV	O01-C1-C2	4.05	120.23	111.50
7	3	101	BCL	C3C-C4C-CHD	-4.05	114.74	123.39
7	g	101	BCL	O2D-CGD-CBD	4.04	118.45	111.27
9	q	101	CRT	C20-C19-C17	-4.04	121.54	127.31
7	7	101	BCL	C3C-C4C-CHD	-4.04	114.77	123.39
10	D	102	PGV	O01-C1-C2	4.03	120.19	111.50
7	7	101	BCL	C1D-ND-C4D	-4.03	103.47	106.33
7	K	102	BCL	C3C-C4C-CHD	-4.03	114.78	123.39
10	0	102	PGV	O01-C1-C2	4.03	120.19	111.50
10	P	102	PGV	O01-C1-C2	4.02	120.17	111.50
7	S	102	BCL	CMB-C2B-C3B	4.02	132.20	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	M	101	BCL	C3C-C4C-CHD	-4.02	114.81	123.39
7	W	101	BCL	C3C-C4C-CHD	-4.01	114.83	123.39
7	W	102	BCL	CHD-C4C-NC	4.01	129.53	125.08
9	m	101	CRT	C20-C19-C17	-4.01	121.59	127.31
9	4	101	CRT	C21-C22-C23	-4.00	121.61	127.31
7	i	101	BCL	C3C-C4C-CHD	-4.00	114.85	123.39
10	T	102	PGV	O01-C1-C2	3.99	120.11	111.50
7	O	102	BCL	C3C-C4C-CHD	-3.99	114.87	123.39
9	f	101	CRT	C20-C19-C17	-3.99	121.62	127.31
7	8	102	BCL	C1D-ND-C4D	-3.99	103.50	106.33
7	g	101	BCL	CMB-C2B-C3B	3.99	132.14	124.68
7	9	102	BCL	C3C-C4C-CHD	-3.98	114.88	123.39
10	L	102	PGV	O01-C1-C2	3.98	120.08	111.50
7	W	102	BCL	C1D-ND-C4D	-3.98	103.51	106.33
7	W	101	BCL	O2D-CGD-CBD	3.98	118.34	111.27
7	C	102	BCL	C3C-C4C-CHD	-3.98	114.89	123.39
10	X	102	PGV	O01-C1-C2	3.98	120.08	111.50
7	c	101	BCL	O2D-CGD-CBD	3.98	118.34	111.27
7	Z	102	BCL	O2D-CGD-CBD	3.97	118.33	111.27
10	H	102	PGV	O01-C1-C2	3.97	120.06	111.50
7	g	102	BCL	C3C-C4C-CHD	-3.97	114.91	123.39
7	W	102	BCL	C3C-C4C-CHD	-3.97	114.91	123.39
7	N	102	BCL	O2D-CGD-CBD	3.96	118.31	111.27
10	2	103	PGV	O01-C1-C2	3.96	120.04	111.50
7	9	102	BCL	CHD-C4C-NC	3.96	129.47	125.08
7	c	101	BCL	C3C-C4C-CHD	-3.95	114.96	123.39
7	g	101	BCL	CHD-C4C-NC	3.94	129.46	125.08
7	V	102	BCL	O2D-CGD-CBD	3.94	118.28	111.27
7	o	102	BCL	C3C-C4C-CHD	-3.94	114.97	123.39
9	k	101	CRT	C21-C20-C19	-3.94	115.41	123.47
7	b	103	BCL	C3C-C4C-CHD	-3.93	114.99	123.39
7	M	101	BCL	C1D-ND-C4D	-3.93	103.54	106.33
7	3	101	BCL	C1D-ND-C4D	-3.92	103.55	106.33
7	d	102	BCL	CHD-C4C-NC	3.92	129.43	125.08
7	n	102	BCL	CHD-C4C-NC	3.92	129.43	125.08
7	5	101	BCL	C3C-C4C-CHD	-3.92	115.02	123.39
7	8	102	BCL	O2D-CGD-CBD	3.92	118.23	111.27
7	i	102	BCL	C1D-ND-C4D	-3.92	103.55	106.33
7	1	101	BCL	C1D-ND-C4D	-3.92	103.55	106.33
7	1	102	BCL	CHD-C4C-NC	3.91	129.42	125.08
7	p	102	BCL	C1D-ND-C4D	-3.91	103.56	106.33
9	b	101	CRT	C21-C20-C19	-3.91	115.47	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	e	103	BCL	C3C-C4C-CHD	-3.91	115.05	123.39
7	m	102	BCL	CHD-C4C-NC	3.90	129.41	125.08
7	o	102	BCL	CHD-C4C-NC	3.90	129.41	125.08
7	1	102	BCL	C3C-C4C-CHD	-3.90	115.07	123.39
7	q	103	BCL	C3C-C4C-CHD	-3.90	115.07	123.39
10	q	104	PGV	O01-C1-C2	3.89	119.89	111.50
7	n	102	BCL	C3C-C4C-CHD	-3.89	115.08	123.39
7	5	102	BCL	C1D-ND-C4D	-3.89	103.57	106.33
7	g	102	BCL	C1D-ND-C4D	-3.89	103.57	106.33
10	6	102	PGV	O01-C1-C2	3.89	119.88	111.50
7	9	101	BCL	C1D-ND-C4D	-3.89	103.57	106.33
7	m	102	BCL	C3C-C4C-CHD	-3.88	115.09	123.39
7	R	102	BCL	O2D-CGD-CBD	3.88	118.17	111.27
7	4	102	BCL	O2D-CGD-CBD	3.88	118.17	111.27
7	o	103	BCL	C3C-C4C-CHD	-3.88	115.10	123.39
7	5	101	BCL	C1D-ND-C4D	-3.88	103.58	106.33
9	q	101	CRT	C21-C20-C19	-3.88	115.53	123.47
7	a	102	BCL	C1D-ND-C4D	-3.88	103.58	106.33
7	F	102	BCL	O2D-CGD-CBD	3.88	118.16	111.27
7	S	101	BCL	C1D-ND-C4D	-3.88	103.58	106.33
7	q	102	BCL	C3C-C4C-CHD	-3.87	115.12	123.39
7	k	102	BCL	CHD-C4C-NC	3.87	129.38	125.08
7	o	103	BCL	C1D-ND-C4D	-3.87	103.58	106.33
7	5	102	BCL	C3C-C4C-CHD	-3.87	115.12	123.39
7	j	102	BCL	C3C-C4C-CHD	-3.87	115.13	123.39
7	p	102	BCL	C3C-C4C-CHD	-3.87	115.13	123.39
7	X	101	BCL	C1D-ND-C4D	-3.87	103.59	106.33
7	k	102	BCL	C3C-C4C-CHD	-3.86	115.15	123.39
7	W	101	BCL	C1D-ND-C4D	-3.86	103.59	106.33
7	d	102	BCL	CMB-C2B-C3B	3.86	131.90	124.68
7	g	101	BCL	C1D-ND-C4D	-3.86	103.60	106.33
7	o	102	BCL	C1D-ND-C4D	-3.86	103.60	106.33
7	q	102	BCL	CHD-C4C-NC	3.85	129.36	125.08
7	p	102	BCL	CHD-C4C-NC	3.85	129.35	125.08
7	l	102	BCL	C3C-C4C-CHD	-3.85	115.17	123.39
7	5	101	BCL	C4A-NA-C1A	3.85	108.44	106.71
7	e	102	BCL	CHD-C4C-NC	3.85	129.35	125.08
7	n	102	BCL	CMB-C2B-C3B	3.84	131.87	124.68
7	5	102	BCL	CHD-C4C-NC	3.84	129.34	125.08
7	1	102	BCL	C1D-ND-C4D	-3.84	103.61	106.33
9	f	101	CRT	C21-C20-C19	-3.84	115.62	123.47
7	d	102	BCL	C3C-C4C-CHD	-3.83	115.20	123.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	q	102	BCL	CMB-C2B-C3B	3.83	131.85	124.68
7	5	102	BCL	CMB-C2B-C3B	3.83	131.84	124.68
7	o	102	BCL	CMB-C2B-C3B	3.83	131.84	124.68
7	e	102	BCL	C3C-C4C-CHD	-3.83	115.22	123.39
7	a	101	BCL	C3C-C4C-CHD	-3.82	115.22	123.39
7	a	102	BCL	C3C-C4C-CHD	-3.82	115.23	123.39
7	j	102	BCL	C1D-ND-C4D	-3.82	103.62	106.33
7	e	102	BCL	CMB-C2B-C3B	3.82	131.82	124.68
7	C	101	BCL	C3C-C4C-CHD	-3.82	115.24	123.39
7	b	103	BCL	CHD-C4C-NC	3.81	129.31	125.08
7	O	101	BCL	C3C-C4C-CHD	-3.81	115.26	123.39
7	i	101	BCL	CHD-C4C-NC	3.80	129.30	125.08
7	c	101	BCL	CHD-C4C-NC	3.80	129.30	125.08
7	f	103	BCL	CMB-C2B-C3B	3.80	131.79	124.68
7	N	102	BCL	C1-C2-C3	-3.80	119.47	126.04
7	c	101	BCL	C1D-ND-C4D	-3.80	103.63	106.33
7	J	102	BCL	O2D-CGD-CBD	3.80	118.02	111.27
7	h	103	BCL	CHD-C4C-NC	3.80	129.30	125.08
7	i	101	BCL	CMB-C2B-C3B	3.80	131.78	124.68
7	5	101	BCL	C1C-NC-C4C	-3.79	105.00	106.71
7	a	101	BCL	CHD-C4C-NC	3.79	129.28	125.08
7	a	101	BCL	CMB-C2B-C3B	3.79	131.77	124.68
7	b	103	BCL	C1D-ND-C4D	-3.78	103.65	106.33
7	r	102	BCL	C4-C3-C5	3.78	121.63	115.27
7	f	103	BCL	C3C-C4C-CHD	-3.78	115.32	123.39
7	G	102	BCL	CMB-C2B-C3B	3.78	131.75	124.68
7	j	102	BCL	CMB-C2B-C3B	3.78	131.74	124.68
9	h	101	CRT	C21-C20-C19	-3.78	115.74	123.47
7	l	102	BCL	CMB-C2B-C3B	3.77	131.74	124.68
7	f	103	BCL	CHD-C4C-NC	3.77	129.26	125.08
7	G	101	BCL	C1C-NC-C4C	-3.77	105.01	106.71
7	f	103	BCL	C1D-ND-C4D	-3.77	103.66	106.33
7	r	102	BCL	C1D-ND-C4D	-3.77	103.66	106.33
7	k	102	BCL	CMB-C2B-C3B	3.76	131.72	124.68
7	1	101	BCL	C3C-C4C-CHD	-3.76	115.35	123.39
7	j	102	BCL	CHD-C4C-NC	3.76	129.25	125.08
7	r	102	BCL	C3C-C4C-CHD	-3.76	115.36	123.39
10	k	104	PGV	O01-C1-C2	3.76	119.60	111.50
7	p	102	BCL	C4-C3-C5	3.76	121.59	115.27
7	K	101	BCL	C3C-C4C-CHD	-3.76	115.36	123.39
7	G	101	BCL	C4A-NA-C1A	3.76	108.39	106.71
7	h	103	BCL	C3C-C4C-CHD	-3.75	115.37	123.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	p	102	BCL	CMB-C2B-C3B	3.75	131.69	124.68
7	q	103	BCL	C1D-ND-C4D	-3.75	103.67	106.33
9	e	101	CRT	C15-C14-C12	-3.74	121.97	127.31
7	i	101	BCL	C1D-ND-C4D	-3.74	103.68	106.33
7	B	102	BCL	C1-C2-C3	-3.74	119.58	126.04
7	G	102	BCL	C3C-C4C-CHD	-3.73	115.42	123.39
7	f	103	BCL	C4-C3-C5	3.73	121.55	115.27
7	k	102	BCL	C1D-ND-C4D	-3.73	103.68	106.33
7	O	101	BCL	C1D-ND-C4D	-3.73	103.69	106.33
7	l	102	BCL	CHD-C4C-NC	3.72	129.21	125.08
7	a	101	BCL	C1D-ND-C4D	-3.72	103.69	106.33
7	n	102	BCL	C1D-ND-C4D	-3.72	103.69	106.33
7	d	102	BCL	C4-C3-C5	3.72	121.53	115.27
7	j	102	BCL	C4-C3-C5	3.72	121.52	115.27
7	h	103	BCL	CMB-C2B-C3B	3.71	131.63	124.68
7	r	102	BCL	CMB-C2B-C3B	3.71	131.62	124.68
10	i	103	PGV	O01-C1-C2	3.71	119.49	111.50
7	b	103	BCL	CMB-C2B-C3B	3.70	131.61	124.68
7	8	102	BCL	C1-C2-C3	-3.70	119.64	126.04
7	G	102	BCL	CHD-C4C-NC	3.70	129.19	125.08
10	o	104	PGV	O01-C1-C2	3.70	119.48	111.50
7	G	101	BCL	C3C-C4C-CHD	-3.70	115.49	123.39
7	b	103	BCL	C4-C3-C5	3.70	121.49	115.27
7	m	102	BCL	CMB-C2B-C3B	3.69	131.59	124.68
7	R	102	BCL	C1-C2-C3	-3.69	119.67	126.04
7	B	102	BCL	O2D-CGD-CBD	3.68	117.81	111.27
7	c	101	BCL	CMB-C2B-C3B	3.68	131.56	124.68
7	G	101	BCL	C1D-ND-C4D	-3.68	103.72	106.33
7	e	103	BCL	C1D-ND-C4D	-3.68	103.72	106.33
10	c	103	PGV	O01-C1-C2	3.67	119.42	111.50
7	4	102	BCL	C1-C2-C3	-3.67	119.69	126.04
7	G	102	BCL	C1D-ND-C4D	-3.67	103.73	106.33
7	q	102	BCL	C1D-ND-C4D	-3.67	103.73	106.33
7	h	103	BCL	C4-C3-C5	3.65	121.41	115.27
7	9	101	BCL	C3C-C4C-CHD	-3.65	115.59	123.39
7	m	102	BCL	C1D-ND-C4D	-3.65	103.75	106.33
10	c	104	PGV	O01-C1-C2	3.64	119.36	111.50
10	e	104	PGV	O01-C1-C2	3.64	119.35	111.50
7	n	102	BCL	C4-C3-C5	3.64	121.40	115.27
7	Z	102	BCL	C1-C2-C3	-3.64	119.75	126.04
7	1	101	BCL	C4A-NA-C1A	3.64	108.34	106.71
7	V	102	BCL	C1-C2-C3	-3.64	119.75	126.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	l	102	BCL	C1D-ND-C4D	-3.63	103.75	106.33
9	m	101	CRT	C21-C20-C19	-3.63	116.03	123.47
10	g	103	PGV	O01-C1-C2	3.63	119.33	111.50
7	S	101	BCL	C3C-C4C-CHD	-3.63	115.64	123.39
10	a	103	PGV	O01-C1-C2	3.63	119.33	111.50
7	d	102	BCL	C1D-ND-C4D	-3.63	103.76	106.33
7	e	102	BCL	C1D-ND-C4D	-3.62	103.76	106.33
9	o	101	CRT	C21-C20-C19	-3.62	116.06	123.47
10	g	104	PGV	O01-C1-C2	3.60	119.27	111.50
7	h	103	BCL	C1D-ND-C4D	-3.60	103.78	106.33
9	R	101	CRT	C20-C19-C17	-3.60	122.18	127.31
7	F	102	BCL	C1-C2-C3	-3.59	119.83	126.04
9	F	101	CRT	C20-C19-C17	-3.58	122.20	127.31
10	m	105	PGV	O01-C1-C2	3.58	119.22	111.50
7	r	102	BCL	CHD-C4C-NC	3.58	129.05	125.08
9	a	105	CRT	C15-C14-C12	-3.58	122.20	127.31
7	l	102	BCL	C4-C3-C5	3.57	121.28	115.27
7	J	102	BCL	C1-C2-C3	-3.57	119.87	126.04
9	m	101	CRT	C15-C14-C12	-3.56	122.23	127.31
10	k	105	PGV	O01-C1-C2	3.55	119.15	111.50
7	Z	102	BCL	C3D-C4D-ND	3.55	115.98	110.24
9	q	101	CRT	C15-C14-C12	-3.55	122.25	127.31
9	h	101	CRT	C15-C14-C12	-3.53	122.28	127.31
7	W	101	BCL	C1C-NC-C4C	-3.52	105.12	106.71
8	K	103	LMT	C2'-C3'-C4'	3.52	117.72	109.68
7	S	101	BCL	C4A-NA-C1A	3.52	108.29	106.71
9	a	105	CRT	C21-C20-C19	-3.52	116.27	123.47
9	8	101	CRT	C26-C27-C28	-3.51	122.30	127.31
10	a	104	PGV	O01-C1-C2	3.50	119.05	111.50
9	J	101	CRT	C20-C19-C17	-3.49	122.33	127.31
10	2	101	PGV	O01-C1-C2	3.49	119.02	111.50
9	Z	101	CRT	C20-C19-C17	-3.49	122.33	127.31
10	q	105	PGV	O01-C1-C2	3.49	119.02	111.50
10	4	103	PGV	O01-C1-C2	3.49	119.01	111.50
7	J	102	BCL	C3D-C4D-ND	3.48	115.87	110.24
10	e	105	PGV	O01-C1-C2	3.47	118.98	111.50
9	N	101	CRT	C20-C19-C17	-3.47	122.36	127.31
7	k	103	BCL	C3D-C4D-ND	3.47	115.85	110.24
7	a	102	BCL	C3D-C4D-ND	3.47	115.84	110.24
7	j	102	BCL	C3D-C4D-ND	3.47	115.84	110.24
7	i	102	BCL	C3D-C4D-ND	3.46	115.83	110.24
7	4	102	BCL	C3D-C4D-ND	3.46	115.83	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	o	103	BCL	C3D-C4D-ND	3.46	115.83	110.24
10	N	103	PGV	O01-C1-C2	3.45	118.94	111.50
10	i	104	PGV	O01-C1-C2	3.45	118.94	111.50
7	W	101	BCL	C4A-NA-C1A	3.45	108.25	106.71
9	o	101	CRT	C15-C14-C12	-3.44	122.40	127.31
7	p	102	BCL	C3D-C4D-ND	3.44	115.80	110.24
7	g	102	BCL	C3D-C4D-ND	3.44	115.80	110.24
10	F	103	PGV	O01-C1-C2	3.44	118.91	111.50
7	V	102	BCL	C3D-C4D-ND	3.44	115.80	110.24
7	L	101	BCL	C3D-C4D-ND	3.43	115.79	110.24
7	b	103	BCL	C3D-C4D-ND	3.43	115.78	110.24
7	r	102	BCL	C3D-C4D-ND	3.43	115.78	110.24
9	B	101	CRT	C20-C19-C17	-3.42	122.42	127.31
7	c	102	BCL	C3D-C4D-ND	3.42	115.78	110.24
7	f	103	BCL	C3D-C4D-ND	3.42	115.78	110.24
10	R	103	PGV	O01-C1-C2	3.42	118.87	111.50
7	m	103	BCL	C3D-C4D-ND	3.42	115.77	110.24
7	R	102	BCL	C3D-C4D-ND	3.41	115.76	110.24
7	F	102	BCL	C3D-C4D-ND	3.41	115.76	110.24
7	T	101	BCL	C3D-C4D-ND	3.41	115.76	110.24
10	J	103	PGV	O01-C1-C2	3.41	118.84	111.50
7	D	101	BCL	C3D-C4D-ND	3.41	115.75	110.24
7	B	102	BCL	C3D-C4D-ND	3.40	115.74	110.24
7	N	102	BCL	C3D-C4D-ND	3.39	115.72	110.24
10	V	103	PGV	O01-C1-C2	3.39	118.80	111.50
7	0	101	BCL	C3D-C4D-ND	3.39	115.72	110.24
7	A	101	BCL	C3D-C4D-ND	3.38	115.71	110.24
9	8	101	CRT	C20-C19-C17	-3.38	122.48	127.31
7	c	101	BCL	C3D-C4D-ND	3.38	115.71	110.24
7	I	101	BCL	C3D-C4D-ND	3.38	115.70	110.24
7	o	102	BCL	C3D-C4D-ND	3.38	115.70	110.24
9	k	101	CRT	C15-C14-C12	-3.38	122.49	127.31
10	8	103	PGV	O01-C1-C2	3.37	118.77	111.50
7	e	102	BCL	C3D-C4D-ND	3.37	115.69	110.24
7	q	103	BCL	C3D-C4D-ND	3.37	115.68	110.24
7	W	102	BCL	C3D-C4D-ND	3.36	115.68	110.24
7	2	102	BCL	C3D-C4D-ND	3.36	115.68	110.24
10	B	103	PGV	O01-C1-C2	3.36	118.75	111.50
7	Q	101	BCL	C3D-C4D-ND	3.36	115.67	110.24
7	P	101	BCL	C3D-C4D-ND	3.36	115.67	110.24
7	8	102	BCL	C3D-C4D-ND	3.36	115.67	110.24
9	B	101	CRT	C26-C27-C28	-3.36	122.52	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	H	101	BCL	C3D-C4D-ND	3.35	115.66	110.24
7	M	101	BCL	C3D-C4D-ND	3.35	115.66	110.24
7	n	102	BCL	C3D-C4D-ND	3.35	115.66	110.24
7	K	102	BCL	C3D-C4D-ND	3.35	115.66	110.24
7	C	102	BCL	C3D-C4D-ND	3.34	115.65	110.24
7	k	102	BCL	C3D-C4D-ND	3.34	115.64	110.24
7	S	102	BCL	C3D-C4D-ND	3.34	115.64	110.24
10	o	105	PGV	O01-C1-C2	3.34	118.69	111.50
7	l	102	BCL	C3D-C4D-ND	3.34	115.63	110.24
7	a	102	BCL	CMB-C2B-C3B	3.34	130.92	124.68
7	E	101	BCL	C3D-C4D-ND	3.33	115.63	110.24
7	K	101	BCL	C3D-C4D-ND	3.33	115.62	110.24
7	U	101	BCL	C3D-C4D-ND	3.33	115.62	110.24
7	q	102	BCL	C3D-C4D-ND	3.33	115.62	110.24
7	d	102	BCL	C3D-C4D-ND	3.33	115.62	110.24
7	g	101	BCL	C3D-C4D-ND	3.33	115.62	110.24
7	3	101	BCL	C3D-C4D-ND	3.33	115.62	110.24
7	O	102	BCL	C3D-C4D-ND	3.33	115.62	110.24
7	C	101	BCL	C3D-C4D-ND	3.32	115.61	110.24
7	S	101	BCL	C1C-NC-C4C	-3.32	105.21	106.71
7	Y	101	BCL	C3D-C4D-ND	3.32	115.61	110.24
7	a	101	BCL	C3D-C4D-ND	3.32	115.61	110.24
7	e	103	BCL	C3D-C4D-ND	3.32	115.61	110.24
8	W	103	LMT	C2'-C3'-C4'	3.32	117.26	109.68
7	m	102	BCL	C3D-C4D-ND	3.32	115.60	110.24
7	X	101	BCL	C3D-C4D-ND	3.32	115.60	110.24
7	6	101	BCL	C3D-C4D-ND	3.31	115.60	110.24
7	5	102	BCL	C3D-C4D-ND	3.31	115.60	110.24
9	f	101	CRT	C15-C14-C12	-3.31	122.59	127.31
7	O	101	BCL	C1C-NC-C4C	-3.31	105.22	106.71
7	1	101	BCL	C3D-C4D-ND	3.30	115.58	110.24
7	7	101	BCL	C3D-C4D-ND	3.30	115.58	110.24
7	1	101	BCL	C1C-NC-C4C	-3.30	105.22	106.71
7	h	103	BCL	C3D-C4D-ND	3.29	115.56	110.24
7	i	101	BCL	C3D-C4D-ND	3.27	115.53	110.24
7	9	102	BCL	C3D-C4D-ND	3.27	115.53	110.24
7	9	101	BCL	C3D-C4D-ND	3.27	115.52	110.24
7	1	102	BCL	C3D-C4D-ND	3.26	115.52	110.24
7	G	102	BCL	C3D-C4D-ND	3.26	115.51	110.24
7	q	103	BCL	CMB-C2B-C3B	3.25	130.75	124.68
9	R	101	CRT	C26-C27-C28	-3.25	122.68	127.31
9	Z	101	CRT	C26-C27-C28	-3.24	122.68	127.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	5	101	BCL	C3D-C4D-ND	3.23	115.46	110.24
7	C	101	BCL	O2A-CGA-CBA	3.23	122.03	111.91
7	C	101	BCL	C4A-NA-C1A	3.22	108.16	106.71
7	S	101	BCL	C3D-C4D-ND	3.22	115.45	110.24
7	g	102	BCL	CMB-C2B-C3B	3.21	130.68	124.68
7	G	101	BCL	O2A-CGA-CBA	3.21	121.97	111.91
7	W	101	BCL	C3D-C4D-ND	3.20	115.42	110.24
7	1	101	BCL	O2A-CGA-CBA	3.20	121.95	111.91
9	V	101	CRT	C20-C19-C17	-3.20	122.75	127.31
7	o	103	BCL	CMB-C2B-C3B	3.19	130.64	124.68
7	9	101	BCL	O2A-CGA-CBA	3.19	121.90	111.91
7	c	102	BCL	CMB-C2B-C3B	3.18	130.62	124.68
8	1	105	LMT	C1-O1'-C1'	-3.17	108.58	113.84
9	F	101	CRT	C26-C27-C28	-3.17	122.79	127.31
7	i	102	BCL	CMB-C2B-C3B	3.17	130.60	124.68
7	O	101	BCL	C3D-C4D-ND	3.16	115.35	110.24
7	T	101	BCL	C1C-NC-C4C	-3.16	105.29	106.71
7	S	101	BCL	O2A-CGA-CBA	3.15	121.80	111.91
7	k	103	BCL	CMB-C2B-C3B	3.15	130.57	124.68
9	b	101	CRT	C15-C14-C12	-3.15	122.81	127.31
9	4	101	CRT	C26-C27-C28	-3.14	122.83	127.31
7	Y	101	BCL	O2A-CGA-CBA	3.14	121.76	111.91
7	G	101	BCL	C3D-C4D-ND	3.14	115.31	110.24
7	W	101	BCL	O2A-CGA-CBA	3.14	121.75	111.91
9	N	101	CRT	C26-C27-C28	-3.13	122.84	127.31
7	K	101	BCL	O2A-CGA-CBA	3.13	121.73	111.91
7	U	101	BCL	O2A-CGA-CBA	3.13	121.72	111.91
7	O	101	BCL	O2A-CGA-CBA	3.12	121.70	111.91
9	4	101	CRT	C20-C19-C17	-3.12	122.86	127.31
7	m	103	BCL	CMB-C2B-C3B	3.11	130.50	124.68
7	3	101	BCL	O2A-CGA-CBA	3.11	121.67	111.91
7	5	101	BCL	O2A-CGA-CBA	3.10	121.64	111.91
7	e	103	BCL	CMB-C2B-C3B	3.09	130.47	124.68
7	E	101	BCL	O2A-CGA-CBA	3.08	121.56	111.91
7	K	101	BCL	C4A-NA-C1A	3.07	108.09	106.71
7	I	101	BCL	O2A-CGA-CBA	3.07	121.54	111.91
8	S	103	LMT	C2'-C3'-C4'	3.06	116.68	109.68
7	A	101	BCL	O2A-CGA-CBA	3.06	121.50	111.91
7	7	101	BCL	O2A-CGA-CBA	3.05	121.49	111.91
9	J	101	CRT	C26-C27-C28	-3.05	122.96	127.31
7	Q	101	BCL	O2A-CGA-CBA	3.05	121.47	111.91
7	1	102	BCL	O2A-CGA-CBA	3.05	121.47	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	a	102	BCL	C1-C2-C3	-3.01	120.83	126.04
7	M	101	BCL	O2A-CGA-CBA	3.01	121.35	111.91
8	O	103	LMT	C2'-C3'-C4'	3.01	116.55	109.68
7	i	102	BCL	C1-C2-C3	-3.01	120.84	126.04
7	9	102	BCL	O2A-CGA-CBA	3.00	121.33	111.91
7	K	102	BCL	O2A-CGA-CBA	3.00	121.31	111.91
7	f	103	BCL	CHB-C4A-NA	2.99	128.65	124.51
7	o	103	BCL	C1-C2-C3	-2.99	120.87	126.04
7	C	102	BCL	O2A-CGA-CBA	2.98	121.27	111.91
7	E	101	BCL	CHC-C1C-NC	2.98	128.63	124.51
7	O	101	BCL	C4A-NA-C1A	2.98	108.05	106.71
7	5	102	BCL	O2A-CGA-CBA	2.98	121.24	111.91
7	W	102	BCL	O2A-CGA-CBA	2.97	121.22	111.91
7	C	101	BCL	C1C-NC-C4C	-2.96	105.37	106.71
7	d	102	BCL	CHB-C4A-NA	2.96	128.61	124.51
7	c	102	BCL	C1-C2-C3	-2.96	120.93	126.04
9	V	101	CRT	C26-C27-C28	-2.95	123.09	127.31
7	O	102	BCL	O2A-CGA-CBA	2.95	121.15	111.91
7	H	101	BCL	C1C-NC-C4C	-2.94	105.38	106.71
7	k	103	BCL	C1-C2-C3	-2.94	120.95	126.04
7	h	103	BCL	CHB-C4A-NA	2.94	128.58	124.51
7	S	102	BCL	O2A-CGA-CBA	2.94	121.14	111.91
7	r	102	BCL	CHB-C4A-NA	2.94	128.58	124.51
10	T	102	PGV	C02-O01-C1	-2.93	110.57	117.79
7	G	102	BCL	O2A-CGA-CBA	2.92	121.08	111.91
7	m	103	BCL	C1-C2-C3	-2.92	120.99	126.04
7	j	102	BCL	CHB-C4A-NA	2.92	128.55	124.51
9	J	101	CRT	C21-C20-C19	-2.91	117.51	123.47
7	p	102	BCL	CHB-C4A-NA	2.91	128.53	124.51
10	H	102	PGV	C02-O01-C1	-2.91	110.64	117.79
9	V	101	CRT	C21-C20-C19	-2.91	117.52	123.47
7	I	101	BCL	CHC-C1C-NC	2.90	128.52	124.51
7	b	103	BCL	CHB-C4A-NA	2.90	128.52	124.51
7	Q	101	BCL	CHC-C1C-NC	2.89	128.51	124.51
7	a	101	BCL	O2A-CGA-CBA	2.89	120.98	111.91
7	g	101	BCL	O2A-CGA-CBA	2.89	120.97	111.91
7	k	102	BCL	O2A-CGA-CBA	2.88	120.96	111.91
7	n	102	BCL	CHB-C4A-NA	2.88	128.50	124.51
7	4	102	BCL	C1C-NC-C4C	-2.88	105.41	106.71
10	a	104	PGV	O03-C19-C20	2.88	120.95	111.91
7	l	102	BCL	CHB-C4A-NA	2.88	128.49	124.51
7	U	101	BCL	CHC-C1C-NC	2.87	128.47	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	4	101	CRT	C32-C31-C30	-2.87	114.28	123.22
7	2	102	BCL	C1C-NC-C4C	-2.86	105.42	106.71
10	X	102	PGV	C02-O01-C1	-2.86	110.75	117.79
7	9	101	BCL	C4A-NA-C1A	2.86	107.99	106.71
7	e	103	BCL	C1-C2-C3	-2.86	121.10	126.04
9	B	101	CRT	C32-C31-C30	-2.86	114.30	123.22
10	2	103	PGV	C02-O01-C1	-2.86	110.75	117.79
7	k	103	BCL	CHC-C1C-NC	2.85	128.46	124.51
7	q	102	BCL	O2A-CGA-CBA	2.85	120.86	111.91
7	X	101	BCL	O2D-CGD-O1D	-2.85	118.26	123.84
7	L	101	BCL	C4-C3-C5	2.85	120.06	115.27
9	V	101	CRT	C32-C31-C30	-2.84	114.34	123.22
7	g	102	BCL	C1-C2-C3	-2.84	121.13	126.04
7	c	101	BCL	O2A-CGA-CBA	2.84	120.83	111.91
7	i	101	BCL	C2A-C1A-CHA	-2.84	118.89	123.86
7	o	102	BCL	O2A-CGA-CBA	2.84	120.82	111.91
7	g	102	BCL	C4-C3-C5	2.83	120.04	115.27
7	D	101	BCL	C1C-NC-C4C	-2.83	105.43	106.71
9	N	101	CRT	C21-C20-C19	-2.83	117.69	123.47
7	6	101	BCL	O2D-CGD-O1D	-2.82	118.31	123.84
7	N	102	BCL	C1C-NC-C4C	-2.82	105.44	106.71
7	e	103	BCL	C4-C3-C5	2.82	120.02	115.27
7	Y	101	BCL	CHC-C1C-NC	2.82	128.41	124.51
10	6	102	PGV	C02-O01-C1	-2.82	110.86	117.79
7	9	101	BCL	C1C-NC-C4C	-2.81	105.44	106.71
7	g	102	BCL	CHC-C1C-NC	2.81	128.40	124.51
7	T	101	BCL	O2D-CGD-O1D	-2.81	118.35	123.84
10	D	102	PGV	C02-O01-C1	-2.80	110.89	117.79
9	8	101	CRT	C21-C20-C19	-2.80	117.73	123.47
7	R	102	BCL	O2A-CGA-CBA	2.80	120.70	111.91
8	S	105	LMT	C1-O1'-C1'	-2.80	109.19	113.84
9	Z	101	CRT	C21-C20-C19	-2.80	117.73	123.47
7	7	101	BCL	CHC-C1C-NC	2.80	128.38	124.51
7	2	102	BCL	O2D-CGD-O1D	-2.80	118.37	123.84
7	1	101	BCL	CHC-C1C-NC	2.80	128.38	124.51
7	U	101	BCL	C4-C3-C5	2.80	119.98	115.27
9	4	101	CRT	C21-C20-C19	-2.80	117.74	123.47
8	G	103	LMT	C2'-C3'-C4'	2.79	116.06	109.68
7	i	102	BCL	C4-C3-C5	2.79	119.97	115.27
7	P	101	BCL	C1C-NC-C4C	-2.79	105.45	106.71
7	i	102	BCL	CHC-C1C-NC	2.79	128.37	124.51
10	o	104	PGV	O03-C19-C20	2.79	120.67	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	q	103	BCL	C1-C2-C3	-2.79	121.22	126.04
9	B	101	CRT	C21-C20-C19	-2.79	117.76	123.47
7	F	102	BCL	O2A-CGA-CBA	2.79	120.67	111.91
7	p	102	BCL	O2A-CGA-CBA	2.79	120.67	111.91
7	l	102	BCL	O2A-CGA-CBA	2.79	120.66	111.91
7	P	101	BCL	O2D-CGD-O1D	-2.79	118.38	123.84
7	B	102	BCL	C4-C3-C5	2.79	119.96	115.27
7	n	102	BCL	O2A-CGA-CBA	2.79	120.66	111.91
7	d	102	BCL	O2A-CGA-CBA	2.79	120.66	111.91
7	L	101	BCL	O2D-CGD-O1D	-2.79	118.39	123.84
10	L	102	PGV	C02-O01-C1	-2.79	110.93	117.79
10	k	104	PGV	O03-C19-C20	2.78	120.64	111.91
7	e	102	BCL	O2A-CGA-CBA	2.78	120.63	111.91
7	q	103	BCL	CHC-C1C-NC	2.78	128.35	124.51
10	0	102	PGV	C02-O01-C1	-2.78	110.95	117.79
7	m	103	BCL	CHC-C1C-NC	2.78	128.35	124.51
7	j	102	BCL	O2A-CGA-CBA	2.77	120.61	111.91
7	A	101	BCL	CHC-C1C-NC	2.77	128.35	124.51
9	B	101	CRT	C9-C10-C11	-2.77	114.57	123.22
7	k	103	BCL	C4-C3-C5	2.77	119.93	115.27
7	j	102	BCL	C1C-NC-C4C	-2.77	105.46	106.71
7	J	102	BCL	C4-C3-C5	2.77	119.93	115.27
7	f	103	BCL	O2A-CGA-CBA	2.77	120.59	111.91
7	i	101	BCL	O2A-CGA-CBA	2.77	120.59	111.91
10	P	102	PGV	C02-O01-C1	-2.76	110.98	117.79
7	q	103	BCL	C4-C3-C5	2.76	119.92	115.27
7	h	103	BCL	O2A-CGA-CBA	2.76	120.58	111.91
7	0	101	BCL	O2D-CGD-O1D	-2.76	118.44	123.84
7	q	103	BCL	CMD-C2D-C3D	-2.76	121.27	127.61
7	k	102	BCL	C2A-C1A-CHA	-2.76	119.04	123.86
7	3	101	BCL	CHC-C1C-NC	2.76	128.32	124.51
9	8	101	CRT	C32-C31-C30	-2.76	114.62	123.22
7	Z	102	BCL	C4-C3-C5	2.75	119.91	115.27
9	R	101	CRT	C32-C31-C30	-2.75	114.62	123.22
7	H	101	BCL	O2A-CGA-CBA	2.75	120.55	111.91
7	r	102	BCL	O2A-CGA-CBA	2.75	120.54	111.91
7	V	102	BCL	C4-C3-C5	2.75	119.90	115.27
7	8	102	BCL	O2A-CGA-CBA	2.75	120.54	111.91
7	b	103	BCL	O2A-CGA-CBA	2.75	120.54	111.91
7	K	101	BCL	C1C-NC-C4C	-2.75	105.47	106.71
9	R	101	CRT	C9-C10-C11	-2.75	114.64	123.22
7	o	102	BCL	C2A-C1A-CHA	-2.75	119.06	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	F	102	BCL	C1C-NC-C4C	-2.74	105.47	106.71
7	V	102	BCL	C1C-NC-C4C	-2.74	105.47	106.71
7	c	102	BCL	C4-C3-C5	2.74	119.89	115.27
9	F	101	CRT	C32-C31-C30	-2.74	114.66	123.22
7	c	102	BCL	CHC-C1C-NC	2.74	128.31	124.51
7	a	101	BCL	C2A-C1A-CHA	-2.74	119.07	123.86
7	a	102	BCL	C4B-CHC-C1C	-2.74	124.69	130.12
7	a	102	BCL	C4-C3-C5	2.74	119.88	115.27
7	5	101	BCL	CHC-C1C-NC	2.74	128.29	124.51
7	o	103	BCL	CHC-C1C-NC	2.73	128.29	124.51
7	c	101	BCL	C2A-C1A-CHA	-2.73	119.08	123.86
7	m	102	BCL	O2A-CGA-CBA	2.73	120.48	111.91
7	g	101	BCL	C2A-C1A-CHA	-2.73	119.08	123.86
7	X	101	BCL	O2A-CGA-CBA	2.73	120.48	111.91
7	M	101	BCL	CHC-C1C-NC	2.73	128.29	124.51
7	P	101	BCL	O2A-CGA-CBA	2.73	120.47	111.91
7	H	101	BCL	O2D-CGD-O1D	-2.73	118.50	123.84
7	8	102	BCL	CHC-C1C-NC	2.72	128.28	124.51
7	F	102	BCL	C4-C3-C5	2.72	119.85	115.27
7	B	102	BCL	O2A-CGA-CBA	2.72	120.46	111.91
7	o	103	BCL	C4-C3-C5	2.72	119.85	115.27
7	D	101	BCL	O2A-CGA-CBA	2.72	120.45	111.91
7	8	102	BCL	C4-C3-C5	2.72	119.85	115.27
7	B	102	BCL	C1C-NC-C4C	-2.72	105.48	106.71
9	N	101	CRT	C9-C10-C11	-2.72	114.74	123.22
7	R	102	BCL	C4-C3-C5	2.71	119.84	115.27
7	V	102	BCL	O2A-CGA-CBA	2.71	120.42	111.91
7	M	101	BCL	C4-C3-C5	2.71	119.83	115.27
7	D	101	BCL	O2D-CGD-O1D	-2.71	118.54	123.84
7	Y	101	BCL	C4-C3-C5	2.71	119.83	115.27
8	K	103	LMT	C1'-C2'-C3'	2.71	115.64	110.00
10	i	103	PGV	O03-C19-C20	2.71	120.41	111.91
10	q	104	PGV	O03-C19-C20	2.71	120.41	111.91
9	Z	101	CRT	C9-C10-C11	-2.70	114.79	123.22
7	X	101	BCL	C1C-NC-C4C	-2.70	105.49	106.71
7	m	103	BCL	C4-C3-C5	2.70	119.81	115.27
9	4	101	CRT	C9-C10-C11	-2.70	114.80	123.22
7	L	101	BCL	C1C-NC-C4C	-2.70	105.49	106.71
7	N	102	BCL	O2A-CGA-CBA	2.70	120.37	111.91
9	V	101	CRT	C9-C10-C11	-2.70	114.80	123.22
7	c	102	BCL	CHB-C4A-NA	2.70	128.24	124.51
7	J	102	BCL	O2A-CGA-CBA	2.69	120.36	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	L	101	BCL	O2A-CGA-CBA	2.69	120.36	111.91
7	S	101	BCL	CHC-C1C-NC	2.69	128.24	124.51
9	R	101	CRT	C21-C20-C19	-2.69	117.96	123.47
9	F	101	CRT	C9-C10-C11	-2.69	114.82	123.22
7	J	102	BCL	C1C-NC-C4C	-2.69	105.50	106.71
7	6	101	BCL	O2A-CGA-CBA	2.69	120.35	111.91
10	k	105	PGV	O03-C19-C20	2.68	120.33	111.91
9	J	101	CRT	C14-C15-C16	-2.68	114.84	123.22
7	Z	102	BCL	O2A-CGA-CBA	2.68	120.32	111.91
10	m	104	PGV	O03-C19-C20	2.68	120.31	111.91
7	4	102	BCL	O2A-CGA-CBA	2.67	120.30	111.91
7	c	102	BCL	CMD-C2D-C3D	-2.67	121.47	127.61
7	e	102	BCL	C2A-C1A-CHA	-2.67	119.19	123.86
7	m	102	BCL	C2A-C1A-CHA	-2.67	119.19	123.86
7	2	102	BCL	C1-C2-C3	-2.67	121.43	126.04
7	O	102	BCL	CMD-C2D-C3D	-2.67	121.48	127.61
7	a	102	BCL	CMD-C2D-C3D	-2.67	121.48	127.61
7	g	102	BCL	CMD-C2D-C3D	-2.67	121.48	127.61
9	b	101	CRT	C26-C27-C28	-2.67	123.50	127.31
7	q	102	BCL	C2A-C1A-CHA	-2.67	119.20	123.86
7	9	101	BCL	CHC-C1C-NC	2.67	128.20	124.51
7	T	101	BCL	O2A-CGA-CBA	2.67	120.27	111.91
10	a	103	PGV	O03-C19-C20	2.67	120.27	111.91
9	k	101	CRT	C26-C27-C28	-2.66	123.51	127.31
7	2	102	BCL	O2A-CGA-CBA	2.66	120.26	111.91
7	C	101	BCL	CHC-C1C-NC	2.66	128.19	124.51
7	A	101	BCL	C4-C3-C5	2.66	119.74	115.27
7	0	101	BCL	O2A-CGA-CBA	2.66	120.25	111.91
9	Z	101	CRT	C15-C14-C12	-2.65	123.52	127.31
7	X	101	BCL	CHB-C4A-NA	2.65	128.18	124.51
9	N	101	CRT	C32-C31-C30	-2.65	114.94	123.22
10	e	105	PGV	O03-C19-C20	2.65	120.22	111.91
10	q	105	PGV	O03-C19-C20	2.65	120.22	111.91
9	q	101	CRT	C26-C27-C28	-2.65	123.53	127.31
7	R	102	BCL	C1C-NC-C4C	-2.64	105.52	106.71
10	m	105	PGV	O03-C19-C20	2.64	120.21	111.91
7	G	102	BCL	O2D-CGD-O1D	-2.64	118.67	123.84
7	8	102	BCL	C1C-NC-C4C	-2.64	105.52	106.71
8	5	103	LMT	C2'-C3'-C4'	2.64	115.70	109.68
9	Z	101	CRT	C32-C31-C30	-2.64	114.98	123.22
7	k	102	BCL	C4-C3-C5	2.64	119.70	115.27
7	k	103	BCL	CMD-C2D-C3D	-2.63	121.56	127.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	k	101	CRT	C9-C10-C11	-2.63	115.00	123.22
7	S	102	BCL	O2D-CGD-O1D	-2.63	118.69	123.84
9	F	101	CRT	C21-C20-C19	-2.63	118.08	123.47
7	E	101	BCL	C4-C3-C5	2.63	119.70	115.27
10	g	103	PGV	O03-C19-C20	2.63	120.16	111.91
10	o	105	PGV	O03-C19-C20	2.63	120.16	111.91
7	Q	101	BCL	C4-C3-C5	2.63	119.69	115.27
7	1	102	BCL	C4-C3-C5	2.63	119.69	115.27
7	G	101	BCL	CHC-C1C-NC	2.62	128.14	124.51
7	C	102	BCL	C4-C3-C5	2.62	119.68	115.27
9	Z	101	CRT	C14-C15-C16	-2.62	115.04	123.22
7	o	103	BCL	CMD-C2D-C3D	-2.62	121.58	127.61
7	4	102	BCL	C4-C3-C5	2.62	119.68	115.27
7	e	103	BCL	CMD-C2D-C3D	-2.62	121.60	127.61
7	6	101	BCL	C1C-NC-C4C	-2.61	105.53	106.71
7	H	101	BCL	C1-C2-C3	-2.61	121.52	126.04
7	o	102	BCL	C4-C3-C5	2.61	119.67	115.27
7	i	102	BCL	CMD-C2D-C3D	-2.61	121.61	127.61
7	p	102	BCL	C2A-C1A-CHA	-2.61	119.30	123.86
7	a	102	BCL	CHB-C4A-NA	2.61	128.12	124.51
7	f	103	BCL	C1C-NC-C4C	-2.60	105.53	106.71
7	g	101	BCL	C4-C3-C5	2.60	119.65	115.27
8	G	104	LMT	C1B-O1B-C4'	-2.60	111.53	117.96
7	K	101	BCL	CHC-C1C-NC	2.60	128.10	124.51
7	S	102	BCL	CHC-C1C-NC	2.60	128.10	124.51
7	O	101	BCL	CHC-C1C-NC	2.60	128.10	124.51
8	9	105	LMT	C1-O1'-C1'	-2.60	109.53	113.84
7	V	102	BCL	CHC-C1C-NC	2.59	128.10	124.51
7	a	101	BCL	C4-C3-C5	2.59	119.63	115.27
7	6	101	BCL	CHB-C4A-NA	2.59	128.10	124.51
7	M	101	BCL	C1-C2-C3	-2.59	121.56	126.04
7	N	102	BCL	C4-C3-C5	2.59	119.63	115.27
10	i	104	PGV	O03-C19-C20	2.59	120.03	111.91
9	J	101	CRT	C32-C31-C30	-2.59	115.14	123.22
7	i	101	BCL	C4-C3-C5	2.58	119.62	115.27
9	o	101	CRT	C26-C25-C23	-2.58	119.16	126.42
10	c	103	PGV	O03-C19-C20	2.58	120.01	111.91
10	g	104	PGV	O03-C19-C20	2.58	120.01	111.91
7	E	101	BCL	C1C-NC-C4C	-2.58	105.55	106.71
7	0	101	BCL	CHC-C1C-NC	2.58	128.08	124.51
7	e	103	BCL	C1B-CHB-C4A	-2.58	125.01	130.12
9	8	101	CRT	C9-C10-C11	-2.58	115.17	123.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	W	101	BCL	CHC-C1C-NC	2.58	128.07	124.51
7	3	101	BCL	C4-C3-C5	2.58	119.60	115.27
7	m	102	BCL	C4-C3-C5	2.57	119.60	115.27
7	C	102	BCL	O2D-CGD-O1D	-2.57	118.81	123.84
7	5	102	BCL	C4-C3-C5	2.57	119.60	115.27
7	R	102	BCL	CHC-C1C-NC	2.57	128.07	124.51
7	L	101	BCL	CHB-C4A-NA	2.57	128.07	124.51
7	W	101	BCL	C1D-CHD-C4C	-2.57	120.42	126.62
9	f	101	CRT	C24-C23-C22	-2.57	119.33	122.92
7	1	102	BCL	O2D-CGD-O1D	-2.56	118.83	123.84
7	c	102	BCL	O2A-CGA-CBA	2.56	119.95	111.91
7	3	101	BCL	C1-C2-C3	-2.56	121.61	126.04
7	K	102	BCL	O2D-CGD-O1D	-2.56	118.84	123.84
7	b	103	BCL	C2A-C1A-CHA	-2.56	119.39	123.86
7	9	101	BCL	C1-C2-C3	-2.56	121.62	126.04
7	D	101	BCL	C1-C2-C3	-2.56	121.62	126.04
7	q	103	BCL	O2D-CGD-O1D	-2.55	118.84	123.84
7	J	102	BCL	CHC-C1C-NC	2.55	128.04	124.51
7	I	101	BCL	C1-C2-C3	-2.55	121.63	126.04
7	X	101	BCL	C1-C2-C3	-2.55	121.63	126.04
7	S	102	BCL	C1-C2-C3	-2.55	121.63	126.04
7	2	102	BCL	CHB-C4A-NA	2.55	128.04	124.51
7	P	101	BCL	C1-C2-C3	-2.55	121.63	126.04
9	m	101	CRT	C9-C10-C11	-2.55	115.26	123.22
7	O	102	BCL	O2D-CGD-O1D	-2.55	118.86	123.84
9	4	101	CRT	C14-C15-C16	-2.55	115.27	123.22
8	5	105	LMT	C1-O1'-C1'	-2.55	109.61	113.84
7	K	101	BCL	C1-C2-C3	-2.55	121.64	126.04
7	m	103	BCL	CMD-C2D-C3D	-2.54	121.76	127.61
7	k	103	BCL	O2D-CGD-O1D	-2.54	118.87	123.84
9	F	101	CRT	C14-C15-C16	-2.54	115.30	123.22
9	4	101	CRT	C13-C12-C11	2.54	122.08	118.08
9	o	101	CRT	C9-C10-C11	-2.53	115.31	123.22
9	J	101	CRT	C9-C10-C11	-2.53	115.31	123.22
8	W	103	LMT	C1'-C2'-C3'	2.53	115.27	110.00
7	9	102	BCL	O2D-CGD-O1D	-2.53	118.89	123.84
9	m	101	CRT	C26-C27-C28	-2.53	123.70	127.31
7	o	103	BCL	O2D-CGD-O1D	-2.53	118.89	123.84
8	9	103	LMT	C2'-C3'-C4'	2.53	115.45	109.68
7	i	102	BCL	O2A-CGA-CBA	2.53	119.84	111.91
9	h	101	CRT	C26-C27-C28	-2.53	123.70	127.31
7	f	103	BCL	C2A-C1A-CHA	-2.53	119.44	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	W	102	BCL	CMD-C2D-C3D	-2.53	121.80	127.61
9	R	101	CRT	C13-C12-C11	2.53	122.06	118.08
8	S	104	LMT	C1B-O1B-C4'	-2.52	111.72	117.96
7	N	102	BCL	CHC-C1C-NC	2.52	128.00	124.51
9	k	101	CRT	C24-C23-C22	-2.52	119.39	122.92
7	I	101	BCL	C4-C3-C5	2.52	119.51	115.27
8	5	104	LMT	C1B-O1B-C4'	-2.52	111.73	117.96
7	e	102	BCL	C4-C3-C5	2.52	119.51	115.27
7	r	102	BCL	C2A-C1A-CHA	-2.52	119.45	123.86
10	F	103	PGV	O03-C19-C20	2.52	119.81	111.91
7	C	101	BCL	O2D-CGD-O1D	-2.52	118.92	123.84
9	B	101	CRT	C14-C15-C16	-2.51	115.37	123.22
10	4	103	PGV	O03-C19-C20	2.51	119.80	111.91
7	e	103	BCL	CHC-C1C-NC	2.51	127.99	124.51
9	N	101	CRT	C13-C12-C11	2.51	122.04	118.08
9	h	101	CRT	C9-C10-C11	-2.51	115.38	123.22
10	V	103	PGV	O03-C19-C20	2.51	119.78	111.91
7	e	103	BCL	O2A-CGA-CBA	2.51	119.78	111.91
7	T	101	BCL	C2A-C1A-CHA	-2.51	119.47	123.86
7	Q	101	BCL	C1-C2-C3	-2.51	121.71	126.04
7	K	102	BCL	C4-C3-C5	2.51	119.48	115.27
7	H	101	BCL	CHB-C4A-NA	2.51	127.98	124.51
7	9	101	BCL	O2D-CGD-O1D	-2.50	118.94	123.84
9	N	101	CRT	C14-C15-C16	-2.50	115.40	123.22
7	q	103	BCL	C1B-CHB-C4A	-2.50	125.16	130.12
7	U	101	BCL	C1-C2-C3	-2.50	121.71	126.04
7	0	101	BCL	C2A-C1A-CHA	-2.50	119.48	123.86
7	4	102	BCL	CHC-C1C-NC	2.50	127.97	124.51
8	G	105	LMT	C1-O1'-C1'	-2.50	109.69	113.84
7	W	102	BCL	C4-C3-C5	2.50	119.48	115.27
9	J	101	CRT	C13-C12-C11	2.50	122.02	118.08
7	O	102	BCL	CHC-C1C-NC	2.50	127.97	124.51
9	F	101	CRT	C13-C12-C11	2.50	122.01	118.08
7	0	101	BCL	CHB-C4A-NA	2.50	127.96	124.51
7	c	101	BCL	C4-C3-C5	2.50	119.47	115.27
7	P	101	BCL	C2A-C1A-CHA	-2.50	119.50	123.86
7	5	102	BCL	O2D-CGD-O1D	-2.49	118.96	123.84
10	8	103	PGV	O03-C19-C20	2.49	119.74	111.91
7	1	102	BCL	CMD-C2D-C3D	-2.49	121.88	127.61
7	l	102	BCL	C1C-NC-C4C	-2.49	105.58	106.71
7	Z	102	BCL	CHC-C1C-NC	2.49	127.96	124.51
9	a	105	CRT	C26-C25-C23	-2.49	119.41	126.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	o	101	CRT	C26-C27-C28	-2.49	123.75	127.31
10	m	104	PGV	C02-O01-C1	-2.49	111.66	117.79
10	e	104	PGV	O03-C19-C20	2.49	119.71	111.91
9	B	101	CRT	C13-C12-C11	2.49	122.00	118.08
9	V	101	CRT	C14-C15-C16	-2.49	115.46	123.22
7	D	101	BCL	C2A-C1A-CHA	-2.48	119.51	123.86
7	D	101	BCL	CHB-C4A-NA	2.48	127.94	124.51
8	K	104	LMT	C1B-O1B-C4'	-2.48	111.82	117.96
7	S	101	BCL	C1D-CHD-C4C	-2.48	120.64	126.62
9	V	101	CRT	C13-C12-C11	2.48	121.98	118.08
7	a	102	BCL	C2A-C1A-CHA	-2.48	119.52	123.86
7	e	103	BCL	O2D-CGD-O1D	-2.48	118.99	123.84
7	K	102	BCL	CHC-C1C-NC	2.48	127.94	124.51
8	d	101	LMT	C1B-O1B-C4'	-2.48	111.83	117.96
7	S	102	BCL	CMD-C2D-C3D	-2.48	121.91	127.61
7	7	101	BCL	C4-C3-C5	2.48	119.44	115.27
10	B	103	PGV	O03-C19-C20	2.48	119.68	111.91
9	8	101	CRT	C14-C15-C16	-2.48	115.49	123.22
7	L	101	BCL	C2A-C1A-CHA	-2.48	119.53	123.86
7	G	101	BCL	C1D-CHD-C4C	-2.48	120.65	126.62
7	L	101	BCL	O2A-C1-C2	2.48	115.14	108.64
9	e	101	CRT	C24-C23-C22	-2.48	119.45	122.92
7	Z	102	BCL	C2A-C1A-CHA	-2.48	119.53	123.86
7	r	102	BCL	C1C-NC-C4C	-2.48	105.59	106.71
9	e	101	CRT	C26-C27-C28	-2.47	123.78	127.31
9	J	101	CRT	C15-C14-C12	-2.47	123.78	127.31
7	W	102	BCL	O2D-CGD-O1D	-2.47	119.00	123.84
7	q	102	BCL	C4-C3-C5	2.47	119.43	115.27
9	8	101	CRT	C13-C12-C11	2.47	121.97	118.08
7	2	102	BCL	C2A-C1A-CHA	-2.47	119.54	123.86
7	S	101	BCL	C1-C2-C3	-2.47	121.77	126.04
7	m	103	BCL	O2A-CGA-CBA	2.47	119.66	111.91
10	J	103	PGV	O03-C19-C20	2.47	119.65	111.91
7	5	101	BCL	O2D-CGD-O1D	-2.47	119.02	123.84
10	R	103	PGV	O03-C19-C20	2.47	119.64	111.91
7	9	102	BCL	CHB-C4A-NA	2.46	127.92	124.51
7	G	102	BCL	C4B-CHC-C1C	-2.46	125.24	130.12
7	g	102	BCL	O2D-CGD-O1D	-2.46	119.03	123.84
7	o	103	BCL	O2A-CGA-CBA	2.46	119.62	111.91
8	C	105	LMT	C1-O1'-C1'	-2.46	109.77	113.84
10	2	101	PGV	O03-C19-C20	2.46	119.61	111.91
7	H	101	BCL	C2A-C1A-CHA	-2.46	119.56	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	0	101	BCL	C1C-NC-C4C	-2.46	105.60	106.71
7	5	101	BCL	C1-C2-C3	-2.45	121.80	126.04
7	q	103	BCL	O2A-CGA-CBA	2.45	119.61	111.91
7	G	102	BCL	CMD-C2D-C3D	-2.45	121.97	127.61
7	Y	101	BCL	C1-C2-C3	-2.45	121.80	126.04
7	6	101	BCL	C4-C3-C5	2.45	119.39	115.27
7	C	102	BCL	CHB-C4A-NA	2.45	127.90	124.51
7	1	101	BCL	O2D-CGD-O1D	-2.45	119.05	123.84
7	c	101	BCL	CHC-C1C-NC	2.44	127.89	124.51
7	O	102	BCL	C4-C3-C5	2.44	119.38	115.27
10	N	103	PGV	O03-C19-C20	2.44	119.57	111.91
7	F	102	BCL	C2A-C1A-CHA	-2.44	119.59	123.86
7	D	101	BCL	C4-C3-C5	2.44	119.38	115.27
7	O	101	BCL	C1-C2-C3	-2.44	121.82	126.04
9	b	101	CRT	C9-C10-C11	-2.44	115.60	123.22
7	B	102	BCL	CHC-C1C-NC	2.44	127.89	124.51
7	D	101	BCL	CHC-C1C-NC	2.44	127.89	124.51
7	9	102	BCL	C4-C3-C5	2.44	119.37	115.27
10	c	104	PGV	O03-C19-C20	2.44	119.56	111.91
7	O	101	BCL	O2D-CGD-O1D	-2.44	119.07	123.84
7	9	102	BCL	CHC-C1C-NC	2.44	127.88	124.51
9	V	101	CRT	C15-C14-C12	-2.44	123.83	127.31
7	a	102	BCL	O2A-CGA-CBA	2.43	119.55	111.91
8	K	105	LMT	O1B-C4'-C3'	2.43	113.76	107.28
7	4	102	BCL	C2A-C1A-CHA	-2.43	119.60	123.86
8	n	101	LMT	C1B-O1B-C4'	-2.43	111.94	117.96
9	R	101	CRT	C15-C14-C12	-2.43	123.84	127.31
7	T	101	BCL	C4-C3-C5	2.43	119.36	115.27
7	R	102	BCL	CHB-C4A-NA	2.43	127.87	124.51
7	d	102	BCL	C2A-C1A-CHA	-2.43	119.61	123.86
7	L	101	BCL	CHC-C1C-NC	2.43	127.87	124.51
9	8	101	CRT	C15-C14-C12	-2.43	123.84	127.31
7	H	101	BCL	CHC-C1C-NC	2.43	127.87	124.51
8	C	104	LMT	C1B-O1B-C4'	-2.43	111.95	117.96
7	K	102	BCL	C1-C2-C3	-2.43	121.84	126.04
8	K	105	LMT	C1-O1'-C1'	-2.43	109.81	113.84
7	F	102	BCL	CHC-C1C-NC	2.43	127.87	124.51
7	5	102	BCL	CHB-C4A-NA	2.43	127.87	124.51
7	g	102	BCL	O2A-CGA-CBA	2.42	119.52	111.91
7	C	102	BCL	CMD-C2D-C3D	-2.42	122.05	127.61
9	R	101	CRT	C14-C15-C16	-2.42	115.67	123.22
7	V	102	BCL	C2A-C1A-CHA	-2.42	119.63	123.86

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	5	102	BCL	C1C-NC-C4C	-2.42	105.62	106.71
7	K	102	BCL	CMD-C2D-C3D	-2.42	122.06	127.61
9	m	101	CRT	C24-C23-C22	-2.42	119.54	122.92
7	e	103	BCL	C4B-CHC-C1C	-2.41	125.33	130.12
8	9	105	LMT	O1B-C4'-C3'	2.41	113.70	107.28
7	5	101	BCL	C1D-CHD-C4C	-2.41	120.80	126.62
7	S	101	BCL	O2D-CGD-O1D	-2.41	119.12	123.84
7	T	101	BCL	CHB-C4A-NA	2.41	127.85	124.51
7	S	102	BCL	C4-C3-C5	2.41	119.33	115.27
9	4	101	CRT	C15-C14-C12	-2.41	123.87	127.31
7	K	102	BCL	CHB-C4A-NA	2.41	127.85	124.51
7	O	102	BCL	C1-C2-C3	-2.41	121.87	126.04
9	N	101	CRT	C15-C14-C12	-2.41	123.87	127.31
9	B	101	CRT	C34-C33-C35	2.41	121.87	118.08
7	G	101	BCL	O2D-CGD-O1D	-2.41	119.13	123.84
7	g	102	BCL	C1B-CHB-C4A	-2.41	125.35	130.12
9	f	101	CRT	C26-C27-C28	-2.41	123.87	127.31
7	i	102	BCL	O2D-CGD-O1D	-2.41	119.13	123.84
8	C	105	LMT	O1B-C4'-C3'	2.41	113.68	107.28
7	1	101	BCL	C1-C2-C3	-2.41	121.88	126.04
7	K	101	BCL	O2D-CGD-O1D	-2.41	119.14	123.84
7	S	101	BCL	CMD-C2D-C3D	-2.40	122.09	127.61
7	S	102	BCL	CHB-C4A-NA	2.40	127.83	124.51
8	1	104	LMT	C1B-O1B-C4'	-2.40	112.02	117.96
9	J	101	CRT	C10-C9-C7	-2.40	123.88	127.31
7	Z	102	BCL	C1C-NC-C4C	-2.40	105.63	106.71
7	0	101	BCL	C1-C2-C3	-2.40	121.89	126.04
7	o	103	BCL	C1B-CHB-C4A	-2.40	125.37	130.12
7	9	102	BCL	CMD-C2D-C3D	-2.40	122.10	127.61
7	T	101	BCL	C1-C2-C3	-2.40	121.90	126.04
9	o	101	CRT	C24-C23-C22	-2.40	119.56	122.92
7	j	102	BCL	C2A-C1A-CHA	-2.40	119.67	123.86
9	a	105	CRT	C9-C10-C11	-2.40	115.74	123.22
7	J	102	BCL	C2A-C1A-CHA	-2.40	119.67	123.86
7	X	101	BCL	C4-C3-C5	2.39	119.30	115.27
7	G	102	BCL	C4-C3-C5	2.39	119.30	115.27
7	q	103	BCL	C4B-CHC-C1C	-2.39	125.38	130.12
8	9	104	LMT	C1B-O1B-C4'	-2.39	112.04	117.96
10	q	104	PGV	C02-O01-C1	-2.39	111.90	117.79
7	8	102	BCL	CHB-C4A-NA	2.39	127.82	124.51
7	J	102	BCL	CHB-C4A-NA	2.39	127.82	124.51
7	d	102	BCL	O2D-CGD-O1D	-2.39	119.17	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	O	101	BCL	C1D-CHD-C4C	-2.39	120.86	126.62
7	B	102	BCL	CHB-C4A-NA	2.39	127.81	124.51
8	b	102	LMT	C1B-O1B-C4'	-2.39	112.06	117.96
7	c	101	BCL	CED-O2D-CGD	2.39	121.33	115.94
7	P	101	BCL	C4-C3-C5	2.38	119.28	115.27
7	m	103	BCL	O2D-CGD-O1D	-2.38	119.18	123.84
7	K	102	BCL	C2A-C1A-CHA	-2.38	119.69	123.86
7	n	102	BCL	C2A-C1A-CHA	-2.38	119.69	123.86
7	2	102	BCL	CHC-C1C-NC	2.38	127.81	124.51
7	5	102	BCL	CMD-C2D-C3D	-2.38	122.13	127.61
7	e	103	BCL	O1D-CGD-CBD	-2.38	119.61	124.48
7	P	101	BCL	CHC-C1C-NC	2.38	127.81	124.51
7	c	102	BCL	O2D-CGD-O1D	-2.38	119.18	123.84
7	l	102	BCL	C2A-C1A-CHA	-2.38	119.69	123.86
7	P	101	BCL	CHB-C4A-NA	2.38	127.81	124.51
7	d	102	BCL	C1C-NC-C4C	-2.38	105.64	106.71
7	C	102	BCL	CHC-C1C-NC	2.38	127.80	124.51
9	h	101	CRT	C26-C25-C23	-2.38	119.74	126.42
7	W	102	BCL	CHB-C4A-NA	2.38	127.80	124.51
9	8	101	CRT	C34-C33-C35	2.38	121.82	118.08
7	O	102	BCL	CHB-C4A-NA	2.38	127.80	124.51
7	9	102	BCL	C1-C2-C3	-2.37	121.94	126.04
9	a	105	CRT	C26-C27-C28	-2.37	123.92	127.31
7	5	102	BCL	C1-C2-C3	-2.37	121.94	126.04
7	m	102	BCL	CED-O2D-CGD	2.37	121.30	115.94
7	Z	102	BCL	CHB-C4A-NA	2.37	127.79	124.51
9	a	105	CRT	C24-C23-C22	-2.37	119.61	122.92
7	6	101	BCL	C2A-C1A-CHA	-2.37	119.72	123.86
7	o	102	BCL	CHB-C4A-NA	2.37	127.78	124.51
7	e	102	BCL	CED-O2D-CGD	2.37	121.29	115.94
7	2	102	BCL	C4-C3-C5	2.37	119.25	115.27
7	C	101	BCL	C1D-CHD-C4C	-2.36	120.92	126.62
7	N	102	BCL	CHB-C4A-NA	2.36	127.78	124.51
7	W	102	BCL	C2A-C1A-CHA	-2.36	119.73	123.86
9	N	101	CRT	C34-C33-C35	2.36	121.80	118.08
7	W	102	BCL	C1-C2-C3	-2.36	121.96	126.04
9	m	101	CRT	C34-C33-C35	2.36	121.80	118.08
7	G	102	BCL	C1-C2-C3	-2.36	121.96	126.04
7	k	103	BCL	O2A-CGA-CBA	2.36	119.31	111.91
7	h	103	BCL	C2A-C1A-CHA	-2.36	119.73	123.86
7	1	101	BCL	CMD-C2D-C3D	-2.36	122.19	127.61
9	b	101	CRT	C24-C23-C22	-2.36	119.62	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	6	101	BCL	C1-C2-C3	-2.36	121.97	126.04
7	X	101	BCL	C2A-C1A-CHA	-2.35	119.74	123.86
9	B	101	CRT	C15-C14-C12	-2.35	123.95	127.31
7	r	102	BCL	O2D-CGD-O1D	-2.35	119.24	123.84
7	G	101	BCL	C4B-CHC-C1C	-2.35	125.46	130.12
7	a	102	BCL	C1D-CHD-C4C	-2.35	120.94	126.62
7	E	101	BCL	C1-C2-C3	-2.35	121.97	126.04
7	k	102	BCL	CED-O2D-CGD	2.35	121.26	115.94
8	W	104	LMT	C1B-O1B-C4'	-2.35	112.14	117.96
7	c	101	BCL	CHB-C4A-NA	2.35	127.76	124.51
7	V	102	BCL	C1D-CHD-C4C	-2.35	120.95	126.62
9	q	101	CRT	C24-C23-C22	-2.35	119.63	122.92
7	1	101	BCL	C1D-CHD-C4C	-2.35	120.95	126.62
7	G	102	BCL	C2A-C1A-CHA	-2.35	119.75	123.86
7	4	102	BCL	C1D-CHD-C4C	-2.35	120.96	126.62
7	0	101	BCL	C4-C3-C5	2.34	119.22	115.27
7	C	101	BCL	CMD-C2D-C3D	-2.34	122.22	127.61
7	W	101	BCL	CMD-C2D-C3D	-2.34	122.23	127.61
9	q	101	CRT	C9-C10-C11	-2.34	115.92	123.22
8	O	105	LMT	O1B-C4'-C3'	2.34	113.50	107.28
7	G	102	BCL	CHB-C4A-NA	2.34	127.74	124.51
7	o	102	BCL	CHC-C1C-NC	2.34	127.74	124.51
7	9	101	BCL	C1D-CHD-C4C	-2.34	120.99	126.62
7	1	101	BCL	C4B-CHC-C1C	-2.34	125.49	130.12
8	S	103	LMT	C1'-C2'-C3'	2.34	114.86	110.00
8	O	104	LMT	C1B-O1B-C4'	-2.33	112.19	117.96
7	B	102	BCL	C1D-CHD-C4C	-2.33	120.99	126.62
7	W	102	BCL	CHC-C1C-NC	2.33	127.74	124.51
7	a	102	BCL	O2D-CGD-O1D	-2.33	119.28	123.84
9	o	101	CRT	C34-C33-C35	2.33	121.75	118.08
7	k	103	BCL	C4B-CHC-C1C	-2.33	125.50	130.12
7	b	103	BCL	C1C-NC-C4C	-2.33	105.66	106.71
8	p	101	LMT	C1B-O1B-C4'	-2.33	112.20	117.96
7	g	102	BCL	C4B-CHC-C1C	-2.33	125.51	130.12
8	W	105	LMT	C1-O1'-C1'	-2.33	109.98	113.84
7	h	103	BCL	C1C-NC-C4C	-2.33	105.66	106.71
7	c	102	BCL	C2A-C1A-CHA	-2.33	119.79	123.86
7	K	101	BCL	CMD-C2D-C3D	-2.32	122.27	127.61
7	W	101	BCL	C1-C2-C3	-2.32	122.02	126.04
9	J	101	CRT	C34-C33-C35	2.32	121.74	118.08
7	5	102	BCL	C2A-C1A-CHA	-2.32	119.80	123.86
7	i	102	BCL	C4B-CHC-C1C	-2.32	125.52	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	Z	101	CRT	C13-C12-C11	2.32	121.74	118.08
7	p	102	BCL	O2D-CGD-O1D	-2.32	119.30	123.84
7	o	102	BCL	CED-O2D-CGD	2.32	121.19	115.94
9	h	101	CRT	C24-C23-C22	-2.32	119.67	122.92
9	F	101	CRT	C34-C33-C35	2.32	121.73	118.08
7	H	101	BCL	C4-C3-C5	2.32	119.17	115.27
8	l	101	LMT	C1B-O1B-C4'	-2.32	112.23	117.96
7	o	103	BCL	O1D-CGD-CBD	-2.32	119.74	124.48
7	i	101	BCL	CHB-C4A-NA	2.32	127.72	124.51
7	9	101	BCL	CMD-C2D-C3D	-2.32	122.28	127.61
7	R	102	BCL	C1D-CHD-C4C	-2.32	121.03	126.62
9	o	101	CRT	C32-C31-C30	-2.32	115.99	123.22
7	k	103	BCL	C1B-CHB-C4A	-2.32	125.53	130.12
9	Z	101	CRT	C8-C7-C6	2.31	121.72	118.08
9	V	101	CRT	C36-C35-C33	-2.31	122.39	125.89
7	O	101	BCL	CMD-C2D-C3D	-2.31	122.29	127.61
9	J	101	CRT	C18-C17-C16	2.31	121.72	118.08
7	a	101	BCL	O2D-CGD-O1D	-2.31	119.32	123.84
7	1	102	BCL	C2A-C1A-CHA	-2.31	119.81	123.86
7	S	101	BCL	C4B-CHC-C1C	-2.31	125.54	130.12
7	T	101	BCL	CHC-C1C-NC	2.31	127.71	124.51
7	B	102	BCL	C2A-C1A-CHA	-2.31	119.82	123.86
7	O	102	BCL	C2A-C1A-CHA	-2.31	119.82	123.86
7	G	101	BCL	C1-C2-C3	-2.31	122.05	126.04
7	q	102	BCL	CHB-C4A-NA	2.31	127.70	124.51
7	G	102	BCL	C1C-NC-C4C	-2.31	105.67	106.71
7	j	102	BCL	O2D-CGD-O1D	-2.31	119.33	123.84
7	1	102	BCL	CHB-C4A-NA	2.31	127.70	124.51
8	f	102	LMT	C1B-O1B-C4'	-2.31	112.26	117.96
8	j	101	LMT	C1B-O1B-C4'	-2.31	112.26	117.96
8	1	105	LMT	O1B-C4'-C3'	2.31	113.41	107.28
9	h	101	CRT	C14-C15-C16	-2.30	116.03	123.22
7	F	102	BCL	CHB-C4A-NA	2.30	127.69	124.51
7	5	101	BCL	C4B-CHC-C1C	-2.30	125.56	130.12
7	i	101	BCL	O2D-CGD-O1D	-2.30	119.34	123.84
7	m	103	BCL	C4B-CHC-C1C	-2.30	125.56	130.12
7	9	102	BCL	C2A-C1A-CHA	-2.30	119.84	123.86
7	K	101	BCL	CHB-C4A-NA	2.30	127.69	124.51
7	e	102	BCL	CHB-C4A-NA	2.30	127.69	124.51
7	8	102	BCL	C1D-CHD-C4C	-2.30	121.08	126.62
7	a	101	BCL	CHB-C4A-NA	2.30	127.69	124.51
7	n	102	BCL	O2D-CGD-O1D	-2.30	119.34	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	i	102	BCL	O1D-CGD-CBD	-2.30	119.78	124.48
7	c	102	BCL	O1D-CGD-CBD	-2.30	119.78	124.48
7	r	102	BCL	C4B-CHC-C1C	-2.30	125.57	130.12
7	q	102	BCL	O2D-CGD-O1D	-2.29	119.36	123.84
7	g	101	BCL	CED-O2D-CGD	2.29	121.12	115.94
7	C	102	BCL	C1-C2-C3	-2.29	122.08	126.04
7	g	101	BCL	CHB-C4A-NA	2.29	127.68	124.51
7	4	102	BCL	CHB-C4A-NA	2.29	127.68	124.51
9	b	101	CRT	C34-C33-C35	2.29	121.68	118.08
7	e	102	BCL	O2D-CGD-O1D	-2.29	119.36	123.84
9	R	101	CRT	C34-C33-C35	2.29	121.68	118.08
8	r	101	LMT	C1B-O1B-C4'	-2.29	112.31	117.96
7	k	102	BCL	O2D-CGD-O1D	-2.29	119.37	123.84
9	Z	101	CRT	C34-C33-C35	2.29	121.68	118.08
7	5	101	BCL	CMD-C2D-C3D	-2.28	122.36	127.61
7	F	102	BCL	C1D-CHD-C4C	-2.28	121.11	126.62
7	0	101	BCL	C1D-CHD-C4C	-2.28	121.12	126.62
7	k	102	BCL	CHB-C4A-NA	2.28	127.67	124.51
7	K	101	BCL	C1D-CHD-C4C	-2.28	121.13	126.62
7	i	101	BCL	CED-O2D-CGD	2.28	121.09	115.94
7	5	102	BCL	CHC-C1C-NC	2.28	127.66	124.51
7	W	101	BCL	O2D-CGD-O1D	-2.28	119.39	123.84
7	k	103	BCL	O1D-CGD-CBD	-2.28	119.83	124.48
8	h	102	LMT	C1B-O1B-C4'	-2.28	112.33	117.96
7	g	102	BCL	O1D-CGD-CBD	-2.27	119.83	124.48
7	9	101	BCL	C4B-CHC-C1C	-2.27	125.62	130.12
7	e	102	BCL	CHC-C1C-NC	2.27	127.65	124.51
9	f	101	CRT	C9-C10-C11	-2.27	116.13	123.22
9	V	101	CRT	C18-C17-C16	2.27	121.66	118.08
7	l	102	BCL	O2D-CGD-O1D	-2.27	119.40	123.84
7	m	102	BCL	O2D-CGD-O1D	-2.27	119.40	123.84
7	G	101	BCL	CMD-C2D-C3D	-2.27	122.39	127.61
7	m	103	BCL	O1D-CGD-CBD	-2.27	119.84	124.48
7	O	101	BCL	C4B-CHC-C1C	-2.27	125.62	130.12
7	W	101	BCL	C4B-CHC-C1C	-2.27	125.62	130.12
7	i	102	BCL	C1B-CHB-C4A	-2.27	125.63	130.12
7	o	103	BCL	C4B-CHC-C1C	-2.27	125.63	130.12
7	b	103	BCL	O2D-CGD-O1D	-2.26	119.41	123.84
8	O	105	LMT	C1-O1'-C1'	-2.26	110.08	113.84
7	C	102	BCL	C2A-C1A-CHA	-2.26	119.90	123.86
7	p	102	BCL	C1C-NC-C4C	-2.26	105.69	106.71
9	B	101	CRT	C18-C17-C16	2.26	121.64	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	1	102	BCL	C1-C2-C3	-2.26	122.13	126.04
7	1	102	BCL	CHC-C1C-NC	2.26	127.64	124.51
7	q	102	BCL	CED-O2D-CGD	2.26	121.05	115.94
7	8	102	BCL	C2A-C1A-CHA	-2.26	119.91	123.86
9	h	101	CRT	C8-C7-C6	2.26	121.64	118.08
9	Z	101	CRT	C18-C17-C16	2.26	121.64	118.08
7	5	101	BCL	C6-C5-C3	-2.26	107.53	113.45
9	4	101	CRT	C34-C33-C35	2.26	121.63	118.08
7	P	101	BCL	C1D-CHD-C4C	-2.26	121.18	126.62
9	o	101	CRT	C29-C28-C30	2.26	121.63	118.08
7	g	101	BCL	CHC-C1C-NC	2.25	127.63	124.51
7	N	102	BCL	O2D-CGD-O1D	-2.25	119.43	123.84
7	A	101	BCL	CMD-C2D-C3D	-2.25	122.43	127.61
7	S	101	BCL	C6-C5-C3	-2.25	107.55	113.45
9	k	101	CRT	C8-C7-C6	2.25	121.63	118.08
9	o	101	CRT	C8-C7-C6	2.25	121.63	118.08
7	A	101	BCL	CED-O2D-CGD	2.25	121.03	115.94
7	H	101	BCL	C1D-CHD-C4C	-2.25	121.19	126.62
9	4	101	CRT	C10-C9-C7	-2.25	124.10	127.31
9	q	101	CRT	C34-C33-C35	2.25	121.62	118.08
7	9	102	BCL	C1C-NC-C4C	-2.25	105.69	106.71
9	m	101	CRT	C32-C31-C30	-2.25	116.19	123.22
10	i	103	PGV	C02-O01-C1	-2.25	112.25	117.79
7	J	102	BCL	C1D-CHD-C4C	-2.25	121.19	126.62
7	C	101	BCL	C1-C2-C3	-2.25	122.15	126.04
9	f	101	CRT	C8-C7-C6	2.25	121.62	118.08
7	h	103	BCL	O2D-CGD-O1D	-2.25	119.44	123.84
9	V	101	CRT	C29-C28-C30	2.25	121.62	118.08
7	f	103	BCL	C4B-CHC-C1C	-2.25	125.67	130.12
7	7	101	BCL	C2A-C1A-CHA	-2.25	119.93	123.86
7	q	103	BCL	O1D-CGD-CBD	-2.25	119.89	124.48
8	S	105	LMT	O1B-C4'-C3'	2.25	113.26	107.28
9	F	101	CRT	C10-C9-C7	-2.25	124.10	127.31
7	A	101	BCL	C1C-NC-C4C	-2.24	105.70	106.71
9	4	101	CRT	C18-C17-C16	2.24	121.61	118.08
7	m	102	BCL	CHC-C1C-NC	2.24	127.61	124.51
7	Z	102	BCL	C1D-CHD-C4C	-2.24	121.21	126.62
7	2	102	BCL	C1D-CHD-C4C	-2.24	121.21	126.62
9	8	101	CRT	C8-C7-C6	2.24	121.61	118.08
9	k	101	CRT	C34-C33-C35	2.24	121.61	118.08
7	N	102	BCL	C2A-C1A-CHA	-2.24	119.94	123.86
7	I	101	BCL	CMD-C2D-C3D	-2.24	122.46	127.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	V	101	CRT	C8-C7-C6	2.24	121.60	118.08
7	Z	102	BCL	O2D-CGD-O1D	-2.24	119.46	123.84
7	R	102	BCL	C2A-C1A-CHA	-2.24	119.95	123.86
7	i	101	BCL	CHC-C1C-NC	2.24	127.61	124.51
7	c	102	BCL	C1D-CHD-C4C	-2.23	121.23	126.62
7	8	102	BCL	O2D-CGD-O1D	-2.23	119.47	123.84
7	S	102	BCL	C2A-C1A-CHA	-2.23	119.95	123.86
8	5	105	LMT	O1B-C4'-C3'	2.23	113.22	107.28
7	E	101	BCL	O2D-CGD-O1D	-2.23	119.47	123.84
7	j	102	BCL	C4B-CHC-C1C	-2.23	125.70	130.12
7	g	101	BCL	O2D-CGD-O1D	-2.23	119.48	123.84
7	K	102	BCL	C1C-NC-C4C	-2.23	105.70	106.71
9	q	101	CRT	C32-C31-C30	-2.23	116.26	123.22
7	a	102	BCL	O1D-CGD-CBD	-2.23	119.92	124.48
9	b	101	CRT	C32-C31-C30	-2.23	116.26	123.22
7	o	103	BCL	C2A-C1A-CHA	-2.23	119.96	123.86
7	J	102	BCL	O2D-CGD-O1D	-2.23	119.48	123.84
7	U	101	BCL	CED-O2D-CGD	2.23	120.98	115.94
7	U	101	BCL	C2A-C1A-CHA	-2.23	119.96	123.86
9	f	101	CRT	C32-C31-C30	-2.23	116.27	123.22
7	W	101	BCL	CED-O2D-CGD	2.23	120.97	115.94
7	A	101	BCL	O2A-CGA-O1A	-2.22	117.98	123.59
9	a	105	CRT	C32-C31-C30	-2.22	116.28	123.22
7	q	102	BCL	CHC-C1C-NC	2.22	127.59	124.51
9	a	105	CRT	C8-C7-C6	2.22	121.58	118.08
10	g	103	PGV	C02-O01-C1	-2.22	112.33	117.79
7	L	101	BCL	C4-C3-C2	-2.22	117.99	123.68
7	k	102	BCL	CHC-C1C-NC	2.22	127.58	124.51
9	f	101	CRT	C34-C33-C35	2.22	121.57	118.08
7	M	101	BCL	C2A-C1A-CHA	-2.22	119.98	123.86
7	I	101	BCL	O2D-CGD-O1D	-2.22	119.50	123.84
9	R	101	CRT	C8-C7-C6	2.22	121.57	118.08
7	V	102	BCL	O2D-CGD-O1D	-2.22	119.51	123.84
7	A	101	BCL	C1-C2-C3	-2.22	122.21	126.04
9	F	101	CRT	C29-C28-C30	2.21	121.57	118.08
7	R	102	BCL	O2D-CGD-O1D	-2.21	119.51	123.84
7	V	102	BCL	CHB-C4A-NA	2.21	127.57	124.51
9	V	101	CRT	C27-C26-C25	-2.21	116.31	123.22
7	7	101	BCL	CMD-C2D-C3D	-2.21	122.53	127.61
7	3	101	BCL	O2A-CGA-O1A	-2.21	118.02	123.59
7	F	102	BCL	O2D-CGD-O1D	-2.21	119.52	123.84
8	1	103	LMT	C2'-C3'-C4'	2.21	114.72	109.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	S	101	BCL	CED-O2D-CGD	2.21	120.93	115.94
7	7	101	BCL	C1-C2-C3	-2.21	122.22	126.04
7	N	102	BCL	C1D-CHD-C4C	-2.21	121.30	126.62
7	3	101	BCL	CMD-C2D-C3D	-2.21	122.54	127.61
7	m	103	BCL	CHB-C4A-NA	2.21	127.56	124.51
9	8	101	CRT	C18-C17-C16	2.21	121.55	118.08
7	K	101	BCL	CED-O2D-CGD	2.20	120.92	115.94
7	W	102	BCL	C1C-NC-C4C	-2.20	105.72	106.71
8	K	105	LMT	C2'-C3'-C4'	2.20	114.71	109.68
7	D	101	BCL	C1D-CHD-C4C	-2.20	121.31	126.62
7	L	101	BCL	C1D-CHD-C4C	-2.20	121.31	126.62
7	f	103	BCL	O2D-CGD-O1D	-2.20	119.53	123.84
8	K	103	LMT	C1'-O5'-C5'	-2.20	109.37	113.69
8	Q	102	LMT	C1B-O1B-C4'	-2.20	112.52	117.96
7	X	101	BCL	CHC-C1C-NC	2.20	127.55	124.51
7	m	102	BCL	CHB-C4A-NA	2.20	127.55	124.51
7	C	101	BCL	C2A-C1A-CHA	-2.20	120.02	123.86
8	W	105	LMT	O1B-C4'-C3'	2.20	113.13	107.28
9	8	101	CRT	C29-C28-C30	2.20	121.54	118.08
9	F	101	CRT	C8-C7-C6	2.19	121.53	118.08
7	Y	101	BCL	O2A-CGA-O1A	-2.19	118.06	123.59
7	g	101	BCL	C1D-CHD-C4C	-2.19	121.33	126.62
7	a	102	BCL	CHC-C1C-NC	2.19	127.54	124.51
7	n	102	BCL	C1C-NC-C4C	-2.19	105.72	106.71
7	M	101	BCL	CED-O2D-CGD	2.19	120.89	115.94
9	a	105	CRT	C14-C15-C16	-2.19	116.38	123.22
7	i	102	BCL	CHB-C4A-NA	2.19	127.54	124.51
7	E	101	BCL	CMD-C2D-C3D	-2.19	122.58	127.61
7	A	101	BCL	O2D-CGD-O1D	-2.19	119.56	123.84
9	N	101	CRT	C8-C7-C6	2.19	121.52	118.08
7	4	102	BCL	O2D-CGD-O1D	-2.18	119.57	123.84
9	m	101	CRT	C26-C25-C23	-2.18	120.28	126.42
9	h	101	CRT	C32-C31-C30	-2.18	116.41	123.22
7	6	101	BCL	C1D-CHD-C4C	-2.18	121.36	126.62
7	c	101	BCL	O2D-CGD-O1D	-2.18	119.57	123.84
7	o	102	BCL	O2D-CGD-O1D	-2.18	119.58	123.84
9	Z	101	CRT	C29-C28-C30	2.18	121.51	118.08
9	e	101	CRT	C9-C10-C11	-2.18	116.42	123.22
7	A	101	BCL	C2A-C1A-CHA	-2.18	120.05	123.86
7	k	103	BCL	C2A-C1A-CHA	-2.18	120.05	123.86
7	U	101	BCL	O2A-CGA-O1A	-2.18	118.10	123.59
9	a	105	CRT	C34-C33-C35	2.18	121.50	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	V	101	CRT	C31-C32-C33	-2.18	124.20	127.31
7	1	102	BCL	C1C-NC-C4C	-2.18	105.73	106.71
7	a	101	BCL	CHC-C1C-NC	2.18	127.52	124.51
9	F	101	CRT	C18-C17-C16	2.17	121.50	118.08
7	E	101	BCL	C1D-CHD-C4C	-2.17	121.38	126.62
8	5	105	LMT	C1B-O1B-C4'	-2.17	112.58	117.96
7	d	102	BCL	C4B-CHC-C1C	-2.17	125.81	130.12
7	l	102	BCL	C4B-CHC-C1C	-2.17	125.81	130.12
7	W	101	BCL	CHB-C4A-NA	2.17	127.52	124.51
7	1	102	BCL	C4B-CHC-C1C	-2.17	125.82	130.12
7	d	102	BCL	C4D-CHA-C1A	-2.17	118.61	121.25
7	a	101	BCL	CED-O2D-CGD	2.17	120.84	115.94
9	N	101	CRT	C18-C17-C16	2.17	121.49	118.08
7	C	101	BCL	CHB-C4A-NA	2.17	127.51	124.51
7	7	101	BCL	O2D-CGD-O1D	-2.17	119.60	123.84
8	7	102	LMT	C1B-O1B-C4'	-2.17	112.60	117.96
7	I	101	BCL	C2A-C1A-CHA	-2.17	120.07	123.86
7	C	101	BCL	C4B-CHC-C1C	-2.16	125.83	130.12
7	G	101	BCL	C4-C3-C5	2.16	118.91	115.27
7	Q	101	BCL	O2A-CGA-O1A	-2.16	118.13	123.59
9	V	101	CRT	C10-C9-C7	-2.16	124.22	127.31
7	W	101	BCL	C4-C3-C5	2.16	118.91	115.27
7	T	101	BCL	C1D-CHD-C4C	-2.16	121.41	126.62
7	O	101	BCL	C4-C3-C5	2.16	118.91	115.27
7	m	103	BCL	C1D-CHD-C4C	-2.16	121.41	126.62
7	c	101	BCL	C1D-CHD-C4C	-2.16	121.41	126.62
9	m	101	CRT	C29-C28-C30	2.16	121.48	118.08
9	Z	101	CRT	C10-C9-C7	-2.16	124.23	127.31
7	I	101	BCL	O2A-CGA-O1A	-2.16	118.15	123.59
7	M	101	BCL	O2A-CGA-O1A	-2.15	118.16	123.59
9	m	101	CRT	C8-C7-C6	2.15	121.47	118.08
7	5	102	BCL	C4B-CHC-C1C	-2.15	125.85	130.12
7	i	102	BCL	C2A-C1A-CHA	-2.15	120.10	123.86
7	7	101	BCL	O2A-CGA-O1A	-2.15	118.16	123.59
9	J	101	CRT	C8-C7-C6	2.15	121.47	118.08
7	i	101	BCL	C1D-CHD-C4C	-2.15	121.43	126.62
7	Y	101	BCL	CED-O2D-CGD	2.15	120.80	115.94
7	K	101	BCL	C6-C5-C3	-2.15	107.82	113.45
7	U	101	BCL	CMD-C2D-C3D	-2.15	122.67	127.61
7	C	101	BCL	C4-C3-C5	2.15	118.88	115.27
7	B	102	BCL	O2D-CGD-O1D	-2.15	119.64	123.84
8	G	105	LMT	O1B-C4'-C3'	2.14	112.99	107.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	m	103	BCL	C2A-C1A-CHA	-2.14	120.11	123.86
9	B	101	CRT	C8-C7-C6	2.14	121.45	118.08
9	R	101	CRT	C18-C17-C16	2.14	121.45	118.08
9	e	101	CRT	C32-C31-C30	-2.14	116.54	123.22
7	E	101	BCL	O2A-CGA-O1A	-2.14	118.19	123.59
7	o	102	BCL	C1D-CHD-C4C	-2.14	121.46	126.62
7	G	101	BCL	CED-O2D-CGD	2.14	120.78	115.94
7	h	103	BCL	CHC-C1C-NC	2.14	127.47	124.51
7	M	101	BCL	O2D-CGD-O1D	-2.14	119.66	123.84
7	q	103	BCL	CHD-C1D-C2D	2.14	129.96	125.48
7	O	102	BCL	C1D-CHD-C4C	-2.14	121.47	126.62
7	U	101	BCL	O2D-CGD-O1D	-2.14	119.66	123.84
7	K	102	BCL	C1D-CHD-C4C	-2.14	121.47	126.62
7	X	101	BCL	C1D-CHD-C4C	-2.14	121.47	126.62
7	q	103	BCL	C1D-CHD-C4C	-2.14	121.47	126.62
9	4	101	CRT	C29-C28-C30	2.13	121.44	118.08
9	q	101	CRT	C8-C7-C6	2.13	121.44	118.08
7	p	102	BCL	C4D-CHA-C1A	-2.13	118.65	121.25
10	o	104	PGV	C02-O01-C1	-2.13	112.54	117.79
7	Y	101	BCL	O2D-CGD-O1D	-2.13	119.67	123.84
7	9	101	BCL	CHB-C4A-NA	2.13	127.46	124.51
8	C	105	LMT	C2'-C3'-C4'	2.13	114.55	109.68
7	3	101	BCL	O2D-CGD-O1D	-2.13	119.67	123.84
7	g	102	BCL	C2A-C1A-CHA	-2.13	120.13	123.86
7	h	103	BCL	C4B-CHC-C1C	-2.13	125.89	130.12
9	V	101	CRT	C34-C33-C35	2.13	121.44	118.08
7	o	102	BCL	CMD-C2D-C3D	-2.13	122.71	127.61
9	e	101	CRT	C29-C28-C30	2.13	121.43	118.08
7	W	102	BCL	C1D-CHD-C4C	-2.13	121.48	126.62
7	6	101	BCL	CHC-C1C-NC	2.13	127.46	124.51
7	k	102	BCL	CMD-C2D-C3D	-2.13	122.72	127.61
7	C	101	BCL	CED-O2D-CGD	2.13	120.75	115.94
10	H	102	PGV	O03-C19-C20	2.13	118.59	111.91
9	h	101	CRT	C29-C28-C30	2.13	121.43	118.08
7	i	102	BCL	C1D-CHD-C4C	-2.13	121.49	126.62
9	e	101	CRT	C34-C33-C35	2.13	121.43	118.08
7	k	103	BCL	CHB-C4A-NA	2.13	127.45	124.51
7	b	103	BCL	C4D-CHA-C1A	-2.12	118.66	121.25
7	Q	101	BCL	C2A-C1A-CHA	-2.12	120.14	123.86
9	4	101	CRT	C8-C7-C6	2.12	121.42	118.08
9	e	101	CRT	C8-C7-C6	2.12	121.42	118.08
7	G	102	BCL	CHC-C1C-NC	2.12	127.45	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	k	101	CRT	C32-C31-C30	-2.12	116.59	123.22
7	Q	101	BCL	CMD-C2D-C3D	-2.12	122.73	127.61
7	5	101	BCL	CHB-C4A-NA	2.12	127.45	124.51
7	p	102	BCL	CHC-C1C-NC	2.12	127.45	124.51
7	a	101	BCL	C1D-CHD-C4C	-2.12	121.50	126.62
7	g	102	BCL	CHD-C1D-C2D	2.12	129.93	125.48
7	Q	101	BCL	O2D-CGD-O1D	-2.12	119.69	123.84
9	q	101	CRT	C26-C25-C23	-2.12	120.46	126.42
7	C	102	BCL	C1D-CHD-C4C	-2.12	121.51	126.62
8	E	102	LMT	C1B-O1B-C4'	-2.12	112.72	117.96
8	5	103	LMT	C1'-C2'-C3'	2.12	114.41	110.00
9	h	101	CRT	C34-C33-C35	2.12	121.41	118.08
9	F	101	CRT	C15-C14-C12	-2.12	124.29	127.31
7	3	101	BCL	CED-O2D-CGD	2.12	120.73	115.94
7	a	102	BCL	C1-O2A-CGA	2.12	122.00	116.44
7	c	102	BCL	C4B-CHC-C1C	-2.12	125.93	130.12
7	S	102	BCL	C1C-NC-C4C	-2.12	105.75	106.71
7	I	101	BCL	CED-O2D-CGD	2.11	120.72	115.94
7	O	101	BCL	C6-C5-C3	-2.11	107.91	113.45
7	K	101	BCL	C4B-CHC-C1C	-2.11	125.93	130.12
9	q	101	CRT	C29-C28-C30	2.11	121.41	118.08
7	e	102	BCL	C1D-CHD-C4C	-2.11	121.53	126.62
7	Q	101	BCL	C1D-CHD-C4C	-2.11	121.53	126.62
7	5	102	BCL	C1D-CHD-C4C	-2.11	121.53	126.62
9	a	105	CRT	C29-C28-C30	2.11	121.40	118.08
7	W	102	BCL	C4B-CHC-C1C	-2.11	125.94	130.12
8	G	103	LMT	C1'-C2'-C3'	2.11	114.39	110.00
7	M	101	BCL	CMD-C2D-C3D	-2.11	122.77	127.61
8	W	105	LMT	C1B-O1B-C4'	-2.11	112.75	117.96
9	f	101	CRT	C29-C28-C30	2.11	121.40	118.08
7	5	101	BCL	C4-C3-C5	2.11	118.81	115.27
7	Y	101	BCL	C2A-C1A-CHA	-2.11	120.18	123.86
7	A	101	BCL	C1D-CHD-C4C	-2.10	121.55	126.62
7	a	101	BCL	CMD-C2D-C3D	-2.10	122.77	127.61
7	1	101	BCL	CED-O2D-CGD	2.10	120.69	115.94
7	1	102	BCL	C1D-CHD-C4C	-2.10	121.55	126.62
9	b	101	CRT	C8-C7-C6	2.10	121.39	118.08
7	k	103	BCL	C1D-CHD-C4C	-2.10	121.55	126.62
7	E	101	BCL	C2A-C1A-CHA	-2.10	120.19	123.86
7	d	102	BCL	CHC-C1C-NC	2.10	127.42	124.51
7	9	102	BCL	C1D-CHD-C4C	-2.10	121.56	126.62
7	U	101	BCL	C1D-CHD-C4C	-2.10	121.56	126.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	G	101	BCL	CHD-C1D-C2D	2.10	129.88	125.48
7	e	103	BCL	C1D-CHD-C4C	-2.10	121.56	126.62
7	3	101	BCL	C2A-C1A-CHA	-2.10	120.19	123.86
7	k	102	BCL	C1D-CHD-C4C	-2.10	121.56	126.62
7	n	102	BCL	C4B-CHC-C1C	-2.10	125.96	130.12
7	Y	101	BCL	C1D-CHD-C4C	-2.10	121.56	126.62
8	U	102	LMT	C1B-O1B-C4'	-2.10	112.78	117.96
7	Y	101	BCL	CMD-C2D-C3D	-2.09	122.80	127.61
7	K	101	BCL	C4-C3-C5	2.09	118.79	115.27
7	o	103	BCL	CHD-C1D-C2D	2.09	129.87	125.48
9	m	101	CRT	C14-C15-C16	-2.09	116.68	123.22
7	n	102	BCL	CHC-C1C-NC	2.09	127.41	124.51
7	G	101	BCL	CHB-C4A-NA	2.09	127.41	124.51
7	m	102	BCL	CMD-C2D-C3D	-2.09	122.80	127.61
8	G	105	LMT	C1B-O1B-C4'	-2.09	112.79	117.96
9	J	101	CRT	C31-C32-C33	-2.09	124.32	127.31
10	k	104	PGV	C02-O01-C1	-2.09	112.64	117.79
7	Q	101	BCL	CED-O2D-CGD	2.09	120.67	115.94
7	S	101	BCL	CHB-C4A-NA	2.09	127.40	124.51
7	g	101	BCL	C1C-NC-C4C	-2.09	105.77	106.71
7	g	101	BCL	CMD-C2D-C3D	-2.09	122.81	127.61
7	l	102	BCL	CHC-C1C-NC	2.09	127.40	124.51
9	b	101	CRT	C29-C28-C30	2.09	121.36	118.08
10	0	102	PGV	O03-C19-C20	2.09	118.45	111.91
7	K	101	BCL	C2A-C1A-CHA	-2.09	120.21	123.86
7	C	101	BCL	CHD-C1D-C2D	2.09	129.85	125.48
7	m	103	BCL	C1B-CHB-C4A	-2.08	125.99	130.12
7	S	102	BCL	C1D-CHD-C4C	-2.08	121.59	126.62
9	B	101	CRT	C10-C9-C7	-2.08	124.34	127.31
7	9	101	BCL	C6-C5-C3	-2.08	108.00	113.45
7	S	101	BCL	CHD-C1D-C2D	2.08	129.85	125.48
10	T	102	PGV	O03-C19-C20	2.08	118.44	111.91
7	e	102	BCL	CMD-C2D-C3D	-2.08	122.83	127.61
7	g	101	BCL	O2A-CGA-O1A	-2.08	118.34	123.59
7	i	101	BCL	C1C-NC-C4C	-2.08	105.77	106.71
10	L	102	PGV	C21-C20-C19	-2.08	106.06	113.62
7	g	102	BCL	CHB-C4A-NA	2.08	127.39	124.51
9	e	101	CRT	C14-C15-C16	-2.08	116.73	123.22
7	i	101	BCL	CMD-C2D-C3D	-2.08	122.83	127.61
7	o	103	BCL	C1D-CHD-C4C	-2.08	121.61	126.62
7	k	102	BCL	O2A-CGA-O1A	-2.08	118.35	123.59
7	a	101	BCL	O2A-CGA-O1A	-2.08	118.35	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
9	k	101	CRT	C26-C25-C23	-2.07	120.59	126.42
9	R	101	CRT	C10-C9-C7	-2.07	124.35	127.31
7	G	102	BCL	C1D-CHD-C4C	-2.07	121.62	126.62
7	b	103	BCL	C4B-CHC-C1C	-2.07	126.01	130.12
7	q	102	BCL	C1D-CHD-C4C	-2.07	121.62	126.62
9	b	101	CRT	C31-C32-C33	-2.07	124.35	127.31
7	5	101	BCL	CHD-C1D-C2D	2.07	129.82	125.48
7	1	101	BCL	C6-C5-C3	-2.07	108.03	113.45
7	p	102	BCL	C4B-CHC-C1C	-2.07	126.02	130.12
7	9	101	BCL	C2A-C1A-CHA	-2.07	120.24	123.86
7	i	102	BCL	CHD-C1D-C2D	2.07	129.82	125.48
7	1	102	BCL	O2A-CGA-O1A	-2.07	118.37	123.59
8	S	105	LMT	C2'-C3'-C4'	2.07	114.40	109.68
7	g	102	BCL	C1D-CHD-C4C	-2.07	121.64	126.62
7	7	101	BCL	C1D-CHD-C4C	-2.07	121.64	126.62
7	7	101	BCL	CED-O2D-CGD	2.06	120.60	115.94
8	O	103	LMT	C1'-C2'-C3'	2.06	114.29	110.00
7	r	102	BCL	CHC-C1C-NC	2.06	127.36	124.51
7	f	103	BCL	CHC-C1C-NC	2.06	127.36	124.51
7	9	101	BCL	C4-C3-C5	2.06	118.74	115.27
9	J	101	CRT	C29-C28-C30	2.06	121.32	118.08
7	C	101	BCL	C6-C5-C3	-2.06	108.06	113.45
7	m	102	BCL	C1D-CHD-C4C	-2.06	121.66	126.62
7	O	101	BCL	CED-O2D-CGD	2.06	120.59	115.94
7	d	102	BCL	C1D-CHD-C4C	-2.05	121.67	126.62
7	I	101	BCL	CHB-C4A-NA	2.05	127.35	124.51
9	8	101	CRT	C10-C9-C7	-2.05	124.38	127.31
7	n	102	BCL	CED-O2D-CGD	2.05	120.58	115.94
7	c	101	BCL	CMD-C2D-C3D	-2.05	122.90	127.61
7	r	102	BCL	C4D-CHA-C1A	-2.05	118.76	121.25
9	Z	101	CRT	C31-C32-C33	-2.05	124.39	127.31
7	1	101	BCL	CHB-C4A-NA	2.05	127.34	124.51
7	e	103	BCL	CHD-C1D-C2D	2.05	129.77	125.48
8	W	105	LMT	C2'-C3'-C4'	2.05	114.35	109.68
7	h	103	BCL	CED-O2D-CGD	2.05	120.56	115.94
9	o	101	CRT	C14-C15-C16	-2.05	116.83	123.22
9	N	101	CRT	C29-C28-C30	2.04	121.30	118.08
7	I	101	BCL	C1D-CHD-C4C	-2.04	121.69	126.62
8	5	105	LMT	C2'-C3'-C4'	2.04	114.35	109.68
7	3	101	BCL	C1D-CHD-C4C	-2.04	121.70	126.62
7	h	103	BCL	C4D-CHA-C1A	-2.04	118.77	121.25
7	E	101	BCL	CED-O2D-CGD	2.04	120.55	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	e	103	BCL	C6-C5-C3	-2.04	108.11	113.45
8	A	102	LMT	C1B-O1B-C4'	-2.04	112.92	117.96
7	E	101	BCL	CHB-C4A-NA	2.04	127.33	124.51
7	1	101	BCL	C4-C3-C5	2.04	118.70	115.27
9	J	101	CRT	C27-C26-C25	-2.04	116.86	123.22
7	O	101	BCL	C2A-C1A-CHA	-2.04	120.30	123.86
9	q	101	CRT	C14-C15-C16	-2.03	116.87	123.22
8	W	103	LMT	C1'-O5'-C5'	-2.03	109.70	113.69
7	k	103	BCL	CHD-C1D-C2D	2.03	129.74	125.48
10	X	102	PGV	C21-C20-C19	-2.03	106.24	113.62
9	m	101	CRT	C31-C32-C33	-2.03	124.41	127.31
7	O	101	BCL	CHD-C1D-C2D	2.03	129.73	125.48
9	b	101	CRT	C26-C25-C23	-2.03	120.72	126.42
9	R	101	CRT	C29-C28-C30	2.03	121.27	118.08
7	W	101	BCL	C6-C5-C3	-2.03	108.14	113.45
7	e	102	BCL	O2A-CGA-O1A	-2.03	118.48	123.59
7	l	102	BCL	C4D-CHA-C1A	-2.02	118.79	121.25
7	r	102	BCL	C7-C6-C5	-2.02	107.86	113.36
9	f	101	CRT	C26-C25-C23	-2.02	120.73	126.42
7	C	102	BCL	C1C-NC-C4C	-2.02	105.80	106.71
7	A	101	BCL	CHB-C4A-NA	2.02	127.31	124.51
10	D	102	PGV	O03-C19-C20	2.02	118.25	111.91
10	a	104	PGV	O03-C19-O04	-2.02	118.50	123.59
7	l	102	BCL	C1D-CHD-C4C	-2.02	121.75	126.62
7	b	103	BCL	CHC-C1C-NC	2.02	127.30	124.51
7	L	101	BCL	C4D-CHA-C1A	-2.02	118.79	121.25
7	j	102	BCL	C4D-CHA-C1A	-2.01	118.80	121.25
7	1	101	BCL	O2A-CGA-O1A	-2.01	118.51	123.59
10	c	103	PGV	C02-O01-C1	-2.01	112.83	117.79
7	c	102	BCL	C6-C5-C3	-2.01	108.18	113.45
7	q	102	BCL	C1C-NC-C4C	-2.01	105.80	106.71
7	a	102	BCL	CHD-C1D-C2D	2.01	129.70	125.48
7	j	102	BCL	CHC-C1C-NC	2.01	127.30	124.51
7	o	103	BCL	CHB-C4A-NA	2.01	127.30	124.51
9	Z	101	CRT	C27-C26-C25	-2.01	116.94	123.22
8	3	102	LMT	C1B-O1B-C4'	-2.01	112.98	117.96
9	N	101	CRT	C27-C26-C25	-2.01	116.94	123.22
7	b	103	BCL	C7-C6-C5	-2.01	107.89	113.36
7	W	102	BCL	O2A-CGA-O1A	-2.01	118.52	123.59
7	O	102	BCL	CED-O2D-CGD	2.01	120.48	115.94
7	9	102	BCL	CAC-C3C-C4C	-2.01	108.13	112.58
7	1	101	BCL	CHD-C1D-C2D	2.01	129.69	125.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
7	M	101	BCL	C1D-CHD-C4C	-2.01	121.78	126.62
7	9	101	BCL	O2A-CGA-O1A	-2.01	118.53	123.59
8	C	103	LMT	C2'-C3'-C4'	2.01	114.26	109.68
9	e	101	CRT	C26-C25-C23	-2.01	120.78	126.42
9	F	101	CRT	C27-C26-C25	-2.00	116.96	123.22
10	6	102	PGV	C21-C20-C19	-2.00	106.33	113.62
7	O	101	BCL	CHB-C4A-NA	2.00	127.28	124.51
7	W	102	BCL	CAC-C3C-C4C	-2.00	108.14	112.58
7	5	101	BCL	CED-O2D-CGD	2.00	120.47	115.94
7	p	102	BCL	CED-O2D-CGD	2.00	120.46	115.94

There are no chirality outliers.

All (2054) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
7	A	101	BCL	C4C-C3C-CAC-CBC
7	B	102	BCL	C1A-C2A-CAA-CBA
7	B	102	BCL	C3A-C2A-CAA-CBA
7	C	101	BCL	C6-C7-C8-C9
7	E	101	BCL	C2C-C3C-CAC-CBC
7	E	101	BCL	C4C-C3C-CAC-CBC
7	F	102	BCL	C1A-C2A-CAA-CBA
7	G	101	BCL	C6-C7-C8-C9
7	I	101	BCL	C4C-C3C-CAC-CBC
7	J	102	BCL	C1A-C2A-CAA-CBA
7	J	102	BCL	C3A-C2A-CAA-CBA
7	K	101	BCL	C6-C7-C8-C9
7	M	101	BCL	C4C-C3C-CAC-CBC
7	N	102	BCL	C1A-C2A-CAA-CBA
7	N	102	BCL	C3A-C2A-CAA-CBA
7	O	101	BCL	C6-C7-C8-C9
7	Q	101	BCL	C4C-C3C-CAC-CBC
7	R	102	BCL	C1A-C2A-CAA-CBA
7	R	102	BCL	C3A-C2A-CAA-CBA
7	S	101	BCL	C6-C7-C8-C9
7	U	101	BCL	C4C-C3C-CAC-CBC
7	V	102	BCL	C1A-C2A-CAA-CBA
7	V	102	BCL	C3A-C2A-CAA-CBA
7	W	101	BCL	C6-C7-C8-C9
7	Y	101	BCL	C4C-C3C-CAC-CBC
7	Z	102	BCL	C1A-C2A-CAA-CBA
7	Z	102	BCL	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
7	1	101	BCL	C6-C7-C8-C9
7	3	101	BCL	C1A-C2A-CAA-CBA
7	3	101	BCL	C4C-C3C-CAC-CBC
7	4	102	BCL	C1A-C2A-CAA-CBA
7	5	101	BCL	C6-C7-C8-C9
7	7	101	BCL	C4C-C3C-CAC-CBC
7	8	102	BCL	C1A-C2A-CAA-CBA
7	9	101	BCL	C6-C7-C8-C9
7	a	101	BCL	C1A-C2A-CAA-CBA
7	a	101	BCL	C3A-C2A-CAA-CBA
7	b	103	BCL	C1A-C2A-CAA-CBA
7	b	103	BCL	C2-C3-C5-C6
7	b	103	BCL	C4-C3-C5-C6
7	c	101	BCL	C1A-C2A-CAA-CBA
7	c	101	BCL	C3A-C2A-CAA-CBA
7	c	102	BCL	C2A-CAA-CBA-CGA
7	c	102	BCL	C2C-C3C-CAC-CBC
7	c	102	BCL	C4C-C3C-CAC-CBC
7	d	102	BCL	C1A-C2A-CAA-CBA
7	d	102	BCL	C2-C3-C5-C6
7	d	102	BCL	C4-C3-C5-C6
7	e	102	BCL	C1A-C2A-CAA-CBA
7	e	103	BCL	C4C-C3C-CAC-CBC
7	f	103	BCL	C1A-C2A-CAA-CBA
7	f	103	BCL	C2-C3-C5-C6
7	f	103	BCL	C4-C3-C5-C6
7	g	101	BCL	C1A-C2A-CAA-CBA
7	g	101	BCL	C3A-C2A-CAA-CBA
7	g	102	BCL	C2C-C3C-CAC-CBC
7	g	102	BCL	C4C-C3C-CAC-CBC
7	h	103	BCL	C1A-C2A-CAA-CBA
7	i	101	BCL	C1A-C2A-CAA-CBA
7	i	101	BCL	C3A-C2A-CAA-CBA
7	i	102	BCL	C2A-CAA-CBA-CGA
7	i	102	BCL	C2C-C3C-CAC-CBC
7	i	102	BCL	C4C-C3C-CAC-CBC
7	j	102	BCL	C1A-C2A-CAA-CBA
7	j	102	BCL	C2-C3-C5-C6
7	j	102	BCL	C4-C3-C5-C6
7	k	102	BCL	C1A-C2A-CAA-CBA
7	k	102	BCL	C3A-C2A-CAA-CBA
7	k	103	BCL	C4C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
7	l	102	BCL	C1A-C2A-CAA-CBA
7	m	102	BCL	C1A-C2A-CAA-CBA
7	m	102	BCL	C3A-C2A-CAA-CBA
7	m	103	BCL	C2A-CAA-CBA-CGA
7	n	102	BCL	C1A-C2A-CAA-CBA
7	o	102	BCL	C1A-C2A-CAA-CBA
7	o	102	BCL	C3A-C2A-CAA-CBA
7	o	103	BCL	C2A-CAA-CBA-CGA
7	o	103	BCL	C2C-C3C-CAC-CBC
7	o	103	BCL	C4C-C3C-CAC-CBC
7	p	102	BCL	C1A-C2A-CAA-CBA
7	p	102	BCL	C2-C3-C5-C6
7	p	102	BCL	C4-C3-C5-C6
7	q	102	BCL	C1A-C2A-CAA-CBA
7	q	103	BCL	C2A-CAA-CBA-CGA
7	q	103	BCL	C4C-C3C-CAC-CBC
7	r	102	BCL	C1A-C2A-CAA-CBA
7	r	102	BCL	C2-C3-C5-C6
7	r	102	BCL	C4-C3-C5-C6
8	C	105	LMT	C2'-C1'-O1'-C1
8	S	105	LMT	C2'-C1'-O1'-C1
8	S	105	LMT	O5'-C1'-O1'-C1
8	1	105	LMT	C2'-C1'-O1'-C1
8	1	105	LMT	O5'-C1'-O1'-C1
8	5	105	LMT	C2'-C1'-O1'-C1
8	5	105	LMT	O5'-C1'-O1'-C1
8	b	102	LMT	C2-C1-O1'-C1'
8	d	101	LMT	C2-C1-O1'-C1'
8	f	102	LMT	C2-C1-O1'-C1'
8	h	102	LMT	C2-C1-O1'-C1'
8	j	101	LMT	C2-C1-O1'-C1'
8	l	101	LMT	C2-C1-O1'-C1'
8	n	101	LMT	C2-C1-O1'-C1'
8	p	101	LMT	C2-C1-O1'-C1'
8	r	101	LMT	C2-C1-O1'-C1'
9	B	101	CRT	C2-C1-O1-C1M
9	B	101	CRT	C40-C38-O2-C2M
9	F	101	CRT	C2-C1-O1-C1M
9	J	101	CRT	C2-C1-O1-C1M
9	V	101	CRT	C2-C1-O1-C1M
9	a	105	CRT	O1-C1-C4-C5
9	a	105	CRT	C2-C1-C4-C5

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Mol	Chain	Res	Type	Atoms
9	a	105	CRT	C3-C1-C4-C5
9	a	105	CRT	C32-C33-C35-C36
9	a	105	CRT	C34-C33-C35-C36
9	a	105	CRT	C36-C37-C38-C39
9	a	105	CRT	C36-C37-C38-C40
9	a	105	CRT	C36-C37-C38-O2
9	a	105	CRT	C40-C38-O2-C2M
9	b	101	CRT	O1-C1-C4-C5
9	b	101	CRT	C2-C1-C4-C5
9	b	101	CRT	C3-C1-C4-C5
9	b	101	CRT	C32-C33-C35-C36
9	b	101	CRT	C34-C33-C35-C36
9	b	101	CRT	C36-C37-C38-C39
9	b	101	CRT	C36-C37-C38-C40
9	b	101	CRT	C36-C37-C38-O2
9	b	101	CRT	C40-C38-O2-C2M
9	e	101	CRT	O1-C1-C4-C5
9	e	101	CRT	C2-C1-C4-C5
9	e	101	CRT	C3-C1-C4-C5
9	e	101	CRT	C32-C33-C35-C36
9	e	101	CRT	C34-C33-C35-C36
9	e	101	CRT	C36-C37-C38-C39
9	e	101	CRT	C36-C37-C38-C40
9	e	101	CRT	C40-C38-O2-C2M
9	f	101	CRT	O1-C1-C4-C5
9	f	101	CRT	C2-C1-C4-C5
9	f	101	CRT	C3-C1-C4-C5
9	f	101	CRT	C32-C33-C35-C36
9	f	101	CRT	C34-C33-C35-C36
9	f	101	CRT	C36-C37-C38-C39
9	f	101	CRT	C36-C37-C38-C40
9	f	101	CRT	C36-C37-C38-O2
9	f	101	CRT	C40-C38-O2-C2M
9	h	101	CRT	O1-C1-C4-C5
9	h	101	CRT	C2-C1-C4-C5
9	h	101	CRT	C3-C1-C4-C5
9	h	101	CRT	C32-C33-C35-C36
9	h	101	CRT	C34-C33-C35-C36
9	h	101	CRT	C36-C37-C38-C39
9	h	101	CRT	C36-C37-C38-C40
9	h	101	CRT	C40-C38-O2-C2M
9	k	101	CRT	O1-C1-C4-C5

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Mol	Chain	Res	Type	Atoms
9	k	101	CRT	C2-C1-C4-C5
9	k	101	CRT	C3-C1-C4-C5
9	k	101	CRT	C32-C33-C35-C36
9	k	101	CRT	C34-C33-C35-C36
9	k	101	CRT	C36-C37-C38-C39
9	k	101	CRT	C36-C37-C38-C40
9	k	101	CRT	C40-C38-O2-C2M
9	m	101	CRT	O1-C1-C4-C5
9	m	101	CRT	C2-C1-C4-C5
9	m	101	CRT	C3-C1-C4-C5
9	m	101	CRT	C32-C33-C35-C36
9	m	101	CRT	C34-C33-C35-C36
9	m	101	CRT	C36-C37-C38-C39
9	m	101	CRT	C36-C37-C38-C40
9	m	101	CRT	C36-C37-C38-O2
9	m	101	CRT	C40-C38-O2-C2M
9	o	101	CRT	O1-C1-C4-C5
9	o	101	CRT	C2-C1-C4-C5
9	o	101	CRT	C3-C1-C4-C5
9	o	101	CRT	C32-C33-C35-C36
9	o	101	CRT	C34-C33-C35-C36
9	o	101	CRT	C36-C37-C38-C39
9	o	101	CRT	C36-C37-C38-C40
9	q	101	CRT	O1-C1-C4-C5
9	q	101	CRT	C2-C1-C4-C5
9	q	101	CRT	C3-C1-C4-C5
9	q	101	CRT	C32-C33-C35-C36
9	q	101	CRT	C34-C33-C35-C36
9	q	101	CRT	C36-C37-C38-C39
9	q	101	CRT	C36-C37-C38-C40
9	q	101	CRT	C40-C38-O2-C2M
10	D	102	PGV	C03-O11-P-O14
10	D	102	PGV	O01-C02-C03-O11
10	H	102	PGV	O01-C02-C03-O11
10	P	102	PGV	C03-O11-P-O14
10	T	102	PGV	C03-O11-P-O14
10	0	102	PGV	C03-O11-P-O14
10	0	102	PGV	O01-C02-C03-O11
10	a	104	PGV	C04-O12-P-O11
10	a	104	PGV	C04-O12-P-O13
10	a	104	PGV	C04-O12-P-O14
10	a	104	PGV	O03-C01-C02-O01

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Mol	Chain	Res	Type	Atoms
10	c	104	PGV	C04-O12-P-O11
10	c	104	PGV	C04-O12-P-O13
10	c	104	PGV	C04-O12-P-O14
10	e	105	PGV	C04-O12-P-O11
10	e	105	PGV	C04-O12-P-O13
10	e	105	PGV	C04-O12-P-O14
10	e	105	PGV	O03-C01-C02-O01
10	g	104	PGV	C04-O12-P-O13
10	g	104	PGV	C04-O12-P-O14
10	g	104	PGV	O03-C01-C02-O01
10	i	104	PGV	C03-O11-P-O14
10	i	104	PGV	C04-O12-P-O11
10	i	104	PGV	C04-O12-P-O13
10	i	104	PGV	C04-O12-P-O14
10	i	104	PGV	O03-C01-C02-O01
10	k	105	PGV	C04-O12-P-O11
10	k	105	PGV	C04-O12-P-O13
10	k	105	PGV	C04-O12-P-O14
10	k	105	PGV	O03-C01-C02-O01
10	m	105	PGV	C03-O11-P-O14
10	m	105	PGV	C04-O12-P-O13
10	m	105	PGV	C04-O12-P-O14
10	o	105	PGV	C04-O12-P-O13
10	o	105	PGV	C04-O12-P-O14
10	o	105	PGV	O03-C01-C02-O01
10	q	105	PGV	C03-O11-P-O14
10	q	105	PGV	C04-O12-P-O11
10	q	105	PGV	C04-O12-P-O13
10	q	105	PGV	C04-O12-P-O14
8	C	105	LMT	C3'-C4'-O1B-C1B
8	K	105	LMT	C3'-C4'-O1B-C1B
8	9	105	LMT	C3'-C4'-O1B-C1B
8	O	105	LMT	C3'-C4'-O1B-C1B
8	W	105	LMT	C3'-C4'-O1B-C1B
8	G	105	LMT	C3'-C4'-O1B-C1B
8	S	105	LMT	C3'-C4'-O1B-C1B
8	5	105	LMT	C3'-C4'-O1B-C1B
8	1	105	LMT	C3'-C4'-O1B-C1B
7	H	101	BCL	C3-C5-C6-C7
7	P	101	BCL	C3-C5-C6-C7
7	X	101	BCL	C3-C5-C6-C7
7	2	102	BCL	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
8	O	103	LMT	C3'-C4'-O1B-C1B
8	G	103	LMT	C3'-C4'-O1B-C1B
7	S	102	BCL	C4-C3-C5-C6
7	5	102	BCL	C4-C3-C5-C6
7	h	103	BCL	C4-C3-C5-C6
7	n	102	BCL	C4-C3-C5-C6
7	h	103	BCL	C2-C3-C5-C6
7	e	103	BCL	C2A-CAA-CBA-CGA
7	g	102	BCL	C2A-CAA-CBA-CGA
7	4	102	BCL	C3-C5-C6-C7
8	W	103	LMT	C3'-C4'-O1B-C1B
8	9	103	LMT	C3'-C4'-O1B-C1B
8	W	103	LMT	O5'-C5'-C6'-O6'
8	9	103	LMT	O5'-C5'-C6'-O6'
7	D	101	BCL	C3-C5-C6-C7
7	F	102	BCL	C3-C5-C6-C7
7	N	102	BCL	C3-C5-C6-C7
7	R	102	BCL	C3-C5-C6-C7
7	T	101	BCL	C3-C5-C6-C7
7	V	102	BCL	C3-C5-C6-C7
7	8	102	BCL	C3-C5-C6-C7
7	0	101	BCL	C3-C5-C6-C7
7	b	103	BCL	C3-C5-C6-C7
8	K	103	LMT	O5'-C5'-C6'-O6'
8	O	103	LMT	O5'-C5'-C6'-O6'
8	1	103	LMT	O5'-C5'-C6'-O6'
8	5	103	LMT	O5'-C5'-C6'-O6'
7	k	103	BCL	CBD-CGD-O2D-CED
7	6	101	BCL	C3-C5-C6-C7
8	S	103	LMT	O5'-C5'-C6'-O6'
7	c	101	BCL	C2A-CAA-CBA-CGA
7	k	103	BCL	C2A-CAA-CBA-CGA
8	C	105	LMT	O5'-C1'-O1'-C1
7	Z	102	BCL	C3-C5-C6-C7
7	e	103	BCL	CBD-CGD-O2D-CED
8	G	103	LMT	O5'-C5'-C6'-O6'
8	K	103	LMT	C3'-C4'-O1B-C1B
7	o	103	BCL	CBD-CGD-O2D-CED
7	B	102	BCL	C3-C5-C6-C7
7	M	101	BCL	C3-C5-C6-C7
7	Q	101	BCL	C3-C5-C6-C7
7	l	102	BCL	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
7	a	102	BCL	CBA-CGA-O2A-C1
7	c	102	BCL	CBA-CGA-O2A-C1
7	e	103	BCL	CBA-CGA-O2A-C1
7	g	102	BCL	CBA-CGA-O2A-C1
7	i	102	BCL	CBA-CGA-O2A-C1
7	k	103	BCL	CBA-CGA-O2A-C1
7	m	103	BCL	CBA-CGA-O2A-C1
7	o	103	BCL	CBA-CGA-O2A-C1
7	q	103	BCL	CBA-CGA-O2A-C1
7	a	102	BCL	CBD-CGD-O2D-CED
8	G	103	LMT	C4'-C5'-C6'-O6'
8	S	103	LMT	C3'-C4'-O1B-C1B
7	O	102	BCL	C10-C11-C12-C13
7	S	102	BCL	C10-C11-C12-C13
8	5	103	LMT	C4'-C5'-C6'-O6'
10	2	103	PGV	O01-C02-C03-O11
8	S	103	LMT	C4'-C5'-C6'-O6'
7	C	102	BCL	C10-C11-C12-C13
7	K	102	BCL	C10-C11-C12-C13
7	S	102	BCL	C5-C6-C7-C8
7	1	101	BCL	C13-C15-C16-C17
7	1	102	BCL	C10-C11-C12-C13
7	5	101	BCL	C13-C15-C16-C17
7	5	102	BCL	C5-C6-C7-C8
7	5	102	BCL	C10-C11-C12-C13
10	c	104	PGV	O03-C01-C02-O01
10	m	105	PGV	O03-C01-C02-O01
10	q	105	PGV	O03-C01-C02-O01
8	S	103	LMT	C5'-C4'-O1B-C1B
7	k	103	BCL	O1A-CGA-O2A-C1
7	G	102	BCL	C4-C3-C5-C6
7	O	102	BCL	C4-C3-C5-C6
7	l	102	BCL	C4-C3-C5-C6
8	W	103	LMT	C4'-C5'-C6'-O6'
7	S	102	BCL	C2-C3-C5-C6
7	5	102	BCL	C2-C3-C5-C6
7	n	102	BCL	C2-C3-C5-C6
7	A	101	BCL	C6-C7-C8-C9
7	C	102	BCL	C6-C7-C8-C9
7	E	101	BCL	C6-C7-C8-C9
7	G	102	BCL	C6-C7-C8-C9
7	I	101	BCL	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
7	K	102	BCL	C6-C7-C8-C9
7	L	101	BCL	C6-C7-C8-C9
7	M	101	BCL	C6-C7-C8-C9
7	O	102	BCL	C6-C7-C8-C9
7	Q	101	BCL	C6-C7-C8-C9
7	S	102	BCL	C6-C7-C8-C9
7	T	101	BCL	C6-C7-C8-C9
7	W	102	BCL	C6-C7-C8-C9
7	Y	101	BCL	C6-C7-C8-C9
7	1	102	BCL	C6-C7-C8-C9
7	3	101	BCL	C6-C7-C8-C9
7	5	102	BCL	C6-C7-C8-C9
7	7	101	BCL	C6-C7-C8-C9
7	9	102	BCL	C6-C7-C8-C9
7	9	102	BCL	C5-C6-C7-C8
9	F	101	CRT	C15-C16-C17-C18
9	Z	101	CRT	C15-C16-C17-C18
9	e	101	CRT	C5-C6-C7-C8
9	h	101	CRT	C5-C6-C7-C8
9	k	101	CRT	C5-C6-C7-C8
9	q	101	CRT	C5-C6-C7-C8
9	b	101	CRT	C5-C6-C7-C9
9	e	101	CRT	C5-C6-C7-C9
9	h	101	CRT	C5-C6-C7-C9
9	q	101	CRT	C5-C6-C7-C9
8	K	103	LMT	C5'-C4'-O1B-C1B
8	5	103	LMT	C5'-C4'-O1B-C1B
8	1	103	LMT	C4'-C5'-C6'-O6'
8	9	103	LMT	C4'-C5'-C6'-O6'
10	i	104	PGV	C1-C2-C3-C4
10	k	105	PGV	C1-C2-C3-C4
7	a	102	BCL	O1A-CGA-O2A-C1
7	c	102	BCL	O1A-CGA-O2A-C1
7	e	103	BCL	O1A-CGA-O2A-C1
7	g	102	BCL	O1A-CGA-O2A-C1
7	i	102	BCL	O1A-CGA-O2A-C1
7	m	103	BCL	O1A-CGA-O2A-C1
7	o	103	BCL	O1A-CGA-O2A-C1
7	q	103	BCL	O1A-CGA-O2A-C1
7	K	101	BCL	C13-C15-C16-C17
7	9	101	BCL	C13-C15-C16-C17
8	K	103	LMT	C4'-C5'-C6'-O6'

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Mol	Chain	Res	Type	Atoms
8	O	103	LMT	C4'-C5'-C6'-O6'
7	h	103	BCL	C3-C5-C6-C7
7	j	102	BCL	C3-C5-C6-C7
7	C	101	BCL	C13-C15-C16-C17
7	O	102	BCL	C5-C6-C7-C8
7	W	101	BCL	C13-C15-C16-C17
7	W	102	BCL	C10-C11-C12-C13
10	g	104	PGV	C1-C2-C3-C4
10	m	105	PGV	C1-C2-C3-C4
7	C	102	BCL	C5-C6-C7-C8
7	G	101	BCL	C13-C15-C16-C17
7	G	102	BCL	C5-C6-C7-C8
7	G	102	BCL	C10-C11-C12-C13
7	K	102	BCL	C5-C6-C7-C8
7	O	101	BCL	C13-C15-C16-C17
7	S	101	BCL	C13-C15-C16-C17
7	W	102	BCL	C5-C6-C7-C8
7	1	102	BCL	C5-C6-C7-C8
10	a	104	PGV	C1-C2-C3-C4
10	c	104	PGV	C1-C2-C3-C4
10	e	105	PGV	C1-C2-C3-C4
10	o	105	PGV	C1-C2-C3-C4
8	W	103	LMT	O5B-C5B-C6B-O6B
8	5	103	LMT	C3'-C4'-O1B-C1B
10	q	105	PGV	C1-C2-C3-C4
7	L	101	BCL	C6-C7-C8-C10
7	9	102	BCL	C11-C12-C13-C15
7	b	103	BCL	C6-C7-C8-C10
7	j	102	BCL	C6-C7-C8-C10
7	p	102	BCL	C6-C7-C8-C10
7	r	102	BCL	C6-C7-C8-C10
7	E	101	BCL	C3-C5-C6-C7
7	I	101	BCL	C3-C5-C6-C7
7	J	102	BCL	C3-C5-C6-C7
7	K	101	BCL	C2A-CAA-CBA-CGA
7	O	101	BCL	C2A-CAA-CBA-CGA
7	f	103	BCL	C10-C11-C12-C13
7	c	102	BCL	CBD-CGD-O2D-CED
8	G	105	LMT	O5'-C1'-O1'-C1
7	5	101	BCL	C5-C6-C7-C8
7	9	101	BCL	C5-C6-C7-C8
8	S	103	LMT	O5B-C5B-C6B-O6B

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Mol	Chain	Res	Type	Atoms
7	U	101	BCL	C3-C5-C6-C7
7	3	101	BCL	C3-C5-C6-C7
7	r	102	BCL	C3-C5-C6-C7
8	1	103	LMT	C5'-C4'-O1B-C1B
7	K	101	BCL	C5-C6-C7-C8
7	W	101	BCL	C5-C6-C7-C8
10	D	102	PGV	C2-C1-O01-C02
10	0	102	PGV	C2-C1-O01-C02
10	P	102	PGV	C27-C28-C29-C30
7	O	101	BCL	C5-C6-C7-C8
7	S	101	BCL	C5-C6-C7-C8
7	1	101	BCL	C5-C6-C7-C8
7	e	103	BCL	C13-C15-C16-C17
7	i	101	BCL	C13-C15-C16-C17
7	q	102	BCL	C13-C15-C16-C17
10	a	104	PGV	C03-O11-P-O12
10	c	104	PGV	C03-O11-P-O12
10	e	105	PGV	C03-O11-P-O12
10	g	104	PGV	C03-O11-P-O12
10	g	104	PGV	C04-O12-P-O11
10	i	104	PGV	C03-O11-P-O12
10	k	105	PGV	C03-O11-P-O12
10	m	105	PGV	C03-O11-P-O12
10	m	105	PGV	C04-O12-P-O11
10	o	105	PGV	C03-O11-P-O12
10	o	105	PGV	C04-O12-P-O11
10	q	105	PGV	C03-O11-P-O12
7	b	103	BCL	CBA-CGA-O2A-C1
7	p	102	BCL	CBA-CGA-O2A-C1
10	D	102	PGV	O02-C1-O01-C02
10	0	102	PGV	O02-C1-O01-C02
7	G	102	BCL	C2-C3-C5-C6
7	O	102	BCL	C2-C3-C5-C6
7	C	101	BCL	C5-C6-C7-C8
7	S	101	BCL	C2A-CAA-CBA-CGA
7	d	102	BCL	C3-C5-C6-C7
7	a	102	BCL	C13-C15-C16-C17
7	m	102	BCL	C15-C16-C17-C18
7	n	102	BCL	C10-C11-C12-C13
7	G	101	BCL	C5-C6-C7-C8
7	9	102	BCL	C10-C11-C12-C13
8	G	103	LMT	O5B-C5B-C6B-O6B

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Mol	Chain	Res	Type	Atoms
8	1	103	LMT	C3'-C4'-O1B-C1B
10	k	104	PGV	C5-C6-C7-C8
7	a	101	BCL	CBA-CGA-O2A-C1
7	k	102	BCL	CBA-CGA-O2A-C1
7	o	103	BCL	C13-C15-C16-C17
8	O	103	LMT	C4-C5-C6-C7
10	a	104	PGV	C22-C23-C24-C25
10	T	102	PGV	O01-C02-C03-O11
8	W	103	LMT	C4-C5-C6-C7
10	L	102	PGV	C27-C28-C29-C30
10	6	102	PGV	C27-C28-C29-C30
10	m	104	PGV	C4-C5-C6-C7
7	n	102	BCL	C3-C5-C6-C7
7	p	102	BCL	C3-C5-C6-C7
8	G	105	LMT	C2'-C1'-O1'-C1
8	O	105	LMT	C2'-C1'-O1'-C1
8	W	105	LMT	C2'-C1'-O1'-C1
8	9	105	LMT	C2'-C1'-O1'-C1
7	e	102	BCL	CBA-CGA-O2A-C1
7	g	101	BCL	CBA-CGA-O2A-C1
7	r	102	BCL	CBA-CGA-O2A-C1
10	k	104	PGV	C23-C24-C25-C26
10	q	105	PGV	C22-C23-C24-C25
7	a	101	BCL	C16-C17-C18-C19
10	4	103	PGV	C21-C22-C23-C24
10	g	103	PGV	C23-C24-C25-C26
10	q	104	PGV	C5-C6-C7-C8
7	U	101	BCL	C6-C7-C8-C9
7	X	101	BCL	C6-C7-C8-C9
7	6	101	BCL	C6-C7-C8-C9
7	j	102	BCL	C11-C12-C13-C14
7	l	102	BCL	C11-C12-C13-C14
7	p	102	BCL	C6-C7-C8-C9
10	2	103	PGV	C21-C22-C23-C24
10	c	103	PGV	C23-C24-C25-C26
10	q	104	PGV	C23-C24-C25-C26
7	C	101	BCL	C2A-CAA-CBA-CGA
7	G	101	BCL	C2A-CAA-CBA-CGA
7	1	101	BCL	C2A-CAA-CBA-CGA
7	a	102	BCL	C2A-CAA-CBA-CGA
9	a	105	CRT	C5-C6-C7-C8
9	b	101	CRT	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
9	f	101	CRT	C5-C6-C7-C8
9	m	101	CRT	C5-C6-C7-C8
9	o	101	CRT	C5-C6-C7-C8
8	9	103	LMT	C5'-C4'-O1B-C1B
10	i	103	PGV	C24-C25-C26-C27
9	a	105	CRT	C5-C6-C7-C9
9	f	101	CRT	C5-C6-C7-C9
9	k	101	CRT	C5-C6-C7-C9
9	m	101	CRT	C5-C6-C7-C9
9	o	101	CRT	C5-C6-C7-C9
7	7	101	BCL	C3-C5-C6-C7
10	L	102	PGV	O02-C1-O01-C02
10	P	102	PGV	O02-C1-O01-C02
10	T	102	PGV	O02-C1-O01-C02
7	0	101	BCL	C10-C11-C12-C13
10	L	102	PGV	C2-C1-O01-C02
10	P	102	PGV	C2-C1-O01-C02
10	T	102	PGV	C2-C1-O01-C02
10	2	103	PGV	C2-C1-O01-C02
10	6	102	PGV	C2-C1-O01-C02
10	R	103	PGV	C29-C30-C31-C32
10	e	104	PGV	C23-C24-C25-C26
10	o	104	PGV	C23-C24-C25-C26
10	N	103	PGV	C21-C22-C23-C24
10	T	102	PGV	C21-C22-C23-C24
10	a	103	PGV	C23-C24-C25-C26
10	m	104	PGV	C23-C24-C25-C26
8	W	105	LMT	O5'-C1'-O1'-C1
8	9	105	LMT	O5'-C1'-O1'-C1
7	g	101	BCL	C13-C15-C16-C17
10	T	102	PGV	C6-C7-C8-C9
10	i	103	PGV	C5-C6-C7-C8
10	i	103	PGV	C23-C24-C25-C26
10	i	103	PGV	C19-C20-C21-C22
7	N	102	BCL	C5-C6-C7-C8
7	b	103	BCL	O1A-CGA-O2A-C1
7	p	102	BCL	O1A-CGA-O2A-C1
10	o	104	PGV	C24-C25-C26-C27
10	c	104	PGV	C7-C8-C9-C10
10	k	105	PGV	C7-C8-C9-C10
7	m	103	BCL	CBD-CGD-O2D-CED
7	A	101	BCL	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
7	C	101	BCL	C3A-C2A-CAA-CBA
7	E	101	BCL	C3A-C2A-CAA-CBA
7	F	102	BCL	C3A-C2A-CAA-CBA
7	G	101	BCL	C3A-C2A-CAA-CBA
7	I	101	BCL	C3A-C2A-CAA-CBA
7	K	101	BCL	C3A-C2A-CAA-CBA
7	M	101	BCL	C3A-C2A-CAA-CBA
7	O	101	BCL	C3A-C2A-CAA-CBA
7	Q	101	BCL	C3A-C2A-CAA-CBA
7	S	101	BCL	C3A-C2A-CAA-CBA
7	U	101	BCL	C3A-C2A-CAA-CBA
7	W	101	BCL	C3A-C2A-CAA-CBA
7	Y	101	BCL	C3A-C2A-CAA-CBA
7	1	101	BCL	C3A-C2A-CAA-CBA
7	3	101	BCL	C3A-C2A-CAA-CBA
7	4	102	BCL	C3A-C2A-CAA-CBA
7	5	101	BCL	C3A-C2A-CAA-CBA
7	8	102	BCL	C3A-C2A-CAA-CBA
7	9	101	BCL	C3A-C2A-CAA-CBA
7	b	103	BCL	C3A-C2A-CAA-CBA
7	d	102	BCL	C3A-C2A-CAA-CBA
7	e	102	BCL	C3A-C2A-CAA-CBA
7	f	103	BCL	C3A-C2A-CAA-CBA
7	h	103	BCL	C3A-C2A-CAA-CBA
7	j	102	BCL	C3A-C2A-CAA-CBA
7	l	102	BCL	C3A-C2A-CAA-CBA
7	n	102	BCL	C3A-C2A-CAA-CBA
7	p	102	BCL	C3A-C2A-CAA-CBA
7	q	102	BCL	C3A-C2A-CAA-CBA
7	r	102	BCL	C3A-C2A-CAA-CBA
10	2	101	PGV	C21-C22-C23-C24
10	0	102	PGV	C21-C22-C23-C24
10	m	105	PGV	C7-C8-C9-C10
10	q	105	PGV	C7-C8-C9-C10
7	p	102	BCL	C16-C17-C18-C19
10	H	102	PGV	C21-C22-C23-C24
10	X	102	PGV	C27-C28-C29-C30
10	8	103	PGV	C21-C22-C23-C24
10	2	103	PGV	O02-C1-O01-C02
10	6	102	PGV	O02-C1-O01-C02
7	L	101	BCL	O2A-C1-C2-C3
7	A	101	BCL	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
7	Y	101	BCL	C3-C5-C6-C7
7	d	102	BCL	CBA-CGA-O2A-C1
7	f	103	BCL	CBA-CGA-O2A-C1
7	h	103	BCL	CBA-CGA-O2A-C1
7	q	102	BCL	CBA-CGA-O2A-C1
7	l	102	BCL	C2-C3-C5-C6
10	H	102	PGV	C2-C1-O01-C02
10	X	102	PGV	C2-C1-O01-C02
8	C	103	LMT	C4-C5-C6-C7
8	W	103	LMT	C5'-C4'-O1B-C1B
10	i	104	PGV	C7-C8-C9-C10
7	W	101	BCL	C2A-CAA-CBA-CGA
7	9	101	BCL	C2A-CAA-CBA-CGA
8	C	103	LMT	C11-C10-C9-C8
8	G	103	LMT	C5'-C4'-O1B-C1B
10	2	103	PGV	C6-C7-C8-C9
10	R	103	PGV	C12-C13-C14-C15
7	r	102	BCL	O1A-CGA-O2A-C1
8	W	103	LMT	O1'-C1-C2-C3
10	i	103	PGV	C25-C26-C27-C28
7	g	102	BCL	C13-C15-C16-C17
8	G	103	LMT	C11-C10-C9-C8
10	0	102	PGV	C27-C28-C29-C30
10	e	105	PGV	C7-C8-C9-C10
10	g	104	PGV	C7-C8-C9-C10
7	c	102	BCL	C3-C5-C6-C7
7	q	103	BCL	C3-C5-C6-C7
7	m	102	BCL	CBA-CGA-O2A-C1
10	V	103	PGV	C21-C22-C23-C24
10	e	104	PGV	C24-C25-C26-C27
10	o	105	PGV	C7-C8-C9-C10
7	k	102	BCL	O1A-CGA-O2A-C1
8	W	103	LMT	C11-C10-C9-C8
10	R	103	PGV	C21-C22-C23-C24
10	H	102	PGV	O02-C1-O01-C02
10	X	102	PGV	O02-C1-O01-C02
8	O	103	LMT	C11-C10-C9-C8
10	H	102	PGV	C6-C7-C8-C9
7	c	101	BCL	C13-C15-C16-C17
7	a	101	BCL	O1A-CGA-O2A-C1
7	e	102	BCL	O1A-CGA-O2A-C1
7	g	101	BCL	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
8	1	103	LMT	C11-C10-C9-C8
10	L	102	PGV	C21-C22-C23-C24
10	c	104	PGV	C22-C23-C24-C25
10	c	103	PGV	C19-C20-C21-C22
8	9	103	LMT	C11-C10-C9-C8
10	P	102	PGV	C6-C7-C8-C9
10	0	102	PGV	C6-C7-C8-C9
7	j	102	BCL	CBA-CGA-O2A-C1
7	l	102	BCL	CBA-CGA-O2A-C1
7	o	102	BCL	CBA-CGA-O2A-C1
7	d	102	BCL	C10-C11-C12-C13
7	l	102	BCL	C10-C11-C12-C13
8	5	103	LMT	C11-C10-C9-C8
10	F	103	PGV	C21-C22-C23-C24
10	P	102	PGV	C5-C6-C7-C8
10	m	104	PGV	C19-C20-C21-C22
10	m	104	PGV	C24-C25-C26-C27
7	P	101	BCL	C10-C11-C12-C13
7	r	102	BCL	C10-C11-C12-C13
8	S	103	LMT	C11-C10-C9-C8
10	a	104	PGV	C7-C8-C9-C10
7	9	102	BCL	C4-C3-C5-C6
7	A	101	BCL	C6-C7-C8-C10
7	C	102	BCL	C11-C10-C8-C7
7	C	102	BCL	C11-C12-C13-C15
7	E	101	BCL	C6-C7-C8-C10
7	G	102	BCL	C11-C10-C8-C7
7	G	102	BCL	C11-C12-C13-C15
7	I	101	BCL	C6-C7-C8-C10
7	K	101	BCL	C11-C10-C8-C7
7	K	102	BCL	C11-C10-C8-C7
7	O	101	BCL	C11-C10-C8-C7
7	O	102	BCL	C11-C10-C8-C7
7	O	102	BCL	C11-C12-C13-C15
7	Q	101	BCL	C6-C7-C8-C10
7	S	101	BCL	C11-C10-C8-C7
7	S	102	BCL	C6-C7-C8-C10
7	S	102	BCL	C11-C10-C8-C7
7	S	102	BCL	C11-C12-C13-C15
7	W	102	BCL	C11-C10-C8-C7
7	1	101	BCL	C11-C10-C8-C7
7	3	101	BCL	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
7	5	101	BCL	C11-C10-C8-C7
7	5	102	BCL	C11-C10-C8-C7
7	7	101	BCL	C6-C7-C8-C10
7	h	103	BCL	C6-C7-C8-C10
7	l	102	BCL	C6-C7-C8-C10
7	d	102	BCL	O1A-CGA-O2A-C1
7	f	103	BCL	O1A-CGA-O2A-C1
7	h	103	BCL	O1A-CGA-O2A-C1
7	l	102	BCL	O1A-CGA-O2A-C1
7	m	102	BCL	O1A-CGA-O2A-C1
7	q	102	BCL	O1A-CGA-O2A-C1
7	4	102	BCL	C13-C15-C16-C17
7	c	102	BCL	C5-C6-C7-C8
7	e	102	BCL	C5-C6-C7-C8
7	e	102	BCL	C13-C15-C16-C17
7	a	101	BCL	C16-C17-C18-C20
10	B	103	PGV	C12-C13-C14-C15
10	e	104	PGV	C19-C20-C21-C22
10	k	104	PGV	C19-C20-C21-C22
7	i	101	BCL	CBA-CGA-O2A-C1
10	c	103	PGV	C24-C25-C26-C27
7	D	101	BCL	C2A-CAA-CBA-CGA
7	H	101	BCL	C2A-CAA-CBA-CGA
7	L	101	BCL	C2A-CAA-CBA-CGA
7	P	101	BCL	C2A-CAA-CBA-CGA
7	T	101	BCL	C2A-CAA-CBA-CGA
7	X	101	BCL	C2A-CAA-CBA-CGA
7	2	102	BCL	C2A-CAA-CBA-CGA
7	5	101	BCL	C2A-CAA-CBA-CGA
7	6	101	BCL	C2A-CAA-CBA-CGA
7	0	101	BCL	C2A-CAA-CBA-CGA
7	Y	101	BCL	C15-C16-C17-C18
7	c	102	BCL	C13-C15-C16-C17
7	j	102	BCL	C10-C11-C12-C13
7	k	102	BCL	C13-C15-C16-C17
7	q	103	BCL	C13-C15-C16-C17
10	g	104	PGV	C15-C16-C17-C18
10	0	102	PGV	C1-C2-C3-C4
10	a	103	PGV	C19-C20-C21-C22
10	q	104	PGV	C19-C20-C21-C22
7	4	102	BCL	C5-C6-C7-C8
7	h	103	BCL	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
10	L	102	PGV	C6-C7-C8-C9
10	2	103	PGV	C27-C28-C29-C30
8	C	105	LMT	C1-C2-C3-C4
8	S	105	LMT	C1-C2-C3-C4
8	5	105	LMT	C1-C2-C3-C4
8	b	102	LMT	C4-C5-C6-C7
10	B	103	PGV	C21-C22-C23-C24
7	j	102	BCL	O1A-CGA-O2A-C1
8	K	105	LMT	O5'-C1'-O1'-C1
8	O	105	LMT	O5'-C1'-O1'-C1
7	m	102	BCL	C5-C6-C7-C8
7	m	102	BCL	C13-C15-C16-C17
7	k	103	BCL	O1D-CGD-O2D-CED
10	L	102	PGV	O01-C02-C03-O11
10	P	102	PGV	O01-C02-C03-O11
8	C	103	LMT	C3'-C4'-O1B-C1B
7	o	102	BCL	C13-C15-C16-C17
7	a	101	BCL	CBD-CGD-O2D-CED
7	f	103	BCL	CBD-CGD-O2D-CED
8	K	105	LMT	C2'-C1'-O1'-C1
10	a	103	PGV	C7-C8-C9-C10
8	Q	102	LMT	C3-C4-C5-C6
10	D	102	PGV	C6-C7-C8-C9
10	L	102	PGV	C5-C6-C7-C8
8	C	104	LMT	O5'-C5'-C6'-O6'
8	K	105	LMT	O5'-C5'-C6'-O6'
8	h	102	LMT	O5'-C5'-C6'-O6'
7	U	101	BCL	C5-C6-C7-C8
7	g	101	BCL	C5-C6-C7-C8
7	m	103	BCL	C13-C15-C16-C17
7	q	102	BCL	C5-C6-C7-C8
7	9	102	BCL	C2-C3-C5-C6
10	a	104	PGV	C15-C16-C17-C18
8	W	105	LMT	C1-C2-C3-C4
7	C	101	BCL	C11-C10-C8-C9
7	C	102	BCL	C11-C10-C8-C9
7	D	101	BCL	C6-C7-C8-C9
7	G	101	BCL	C11-C10-C8-C9
7	G	102	BCL	C11-C10-C8-C9
7	K	101	BCL	C11-C10-C8-C9
7	K	102	BCL	C11-C10-C8-C9
7	O	101	BCL	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
7	O	102	BCL	C11-C10-C8-C9
7	S	101	BCL	C11-C10-C8-C9
7	S	102	BCL	C11-C10-C8-C9
7	W	101	BCL	C11-C10-C8-C9
7	1	102	BCL	C11-C10-C8-C9
7	2	102	BCL	C6-C7-C8-C9
7	5	102	BCL	C11-C10-C8-C9
7	9	101	BCL	C11-C10-C8-C9
7	9	102	BCL	C11-C12-C13-C14
7	b	103	BCL	C6-C7-C8-C9
8	G	104	LMT	O5'-C5'-C6'-O6'
8	K	104	LMT	O5'-C5'-C6'-O6'
8	1	104	LMT	O5'-C5'-C6'-O6'
8	9	104	LMT	O5'-C5'-C6'-O6'
8	d	101	LMT	O5'-C5'-C6'-O6'
8	j	101	LMT	O5'-C5'-C6'-O6'
10	D	102	PGV	C21-C22-C23-C24
10	a	103	PGV	C24-C25-C26-C27
10	k	105	PGV	C15-C16-C17-C18
7	o	102	BCL	C2A-CAA-CBA-CGA
8	K	105	LMT	C1-C2-C3-C4
8	O	103	LMT	O1'-C1-C2-C3
8	O	104	LMT	O5'-C5'-C6'-O6'
8	W	104	LMT	O5'-C5'-C6'-O6'
8	f	102	LMT	O5'-C5'-C6'-O6'
8	l	101	LMT	O5'-C5'-C6'-O6'
8	p	101	LMT	O5'-C5'-C6'-O6'
8	K	103	LMT	C11-C10-C9-C8
8	1	105	LMT	C1-C2-C3-C4
7	o	102	BCL	O1A-CGA-O2A-C1
7	C	101	BCL	C1A-C2A-CAA-CBA
7	E	101	BCL	C1A-C2A-CAA-CBA
7	G	101	BCL	C1A-C2A-CAA-CBA
7	I	101	BCL	C1A-C2A-CAA-CBA
7	K	101	BCL	C1A-C2A-CAA-CBA
7	O	101	BCL	C1A-C2A-CAA-CBA
7	S	101	BCL	C1A-C2A-CAA-CBA
7	W	101	BCL	C1A-C2A-CAA-CBA
7	Y	101	BCL	C1A-C2A-CAA-CBA
7	1	101	BCL	C1A-C2A-CAA-CBA
7	5	101	BCL	C1A-C2A-CAA-CBA
7	9	101	BCL	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
8	S	105	LMT	O5'-C5'-C6'-O6'
8	f	102	LMT	O5B-C5B-C6B-O6B
7	d	102	BCL	C16-C17-C18-C19
7	h	103	BCL	C16-C17-C18-C19
7	j	102	BCL	C16-C17-C18-C19
8	7	102	LMT	C3-C4-C5-C6
7	I	101	BCL	C15-C16-C17-C18
7	L	101	BCL	C10-C11-C12-C13
7	a	101	BCL	C13-C15-C16-C17
7	b	103	BCL	C10-C11-C12-C13
7	q	103	BCL	C5-C6-C7-C8
8	O	105	LMT	C1-C2-C3-C4
8	9	105	LMT	C1-C2-C3-C4
10	0	102	PGV	C03-O11-P-O12
10	D	102	PGV	C27-C28-C29-C30
10	2	101	PGV	C7-C8-C9-C10
10	m	105	PGV	C15-C16-C17-C18
10	o	105	PGV	C15-C16-C17-C18
8	S	104	LMT	O5'-C5'-C6'-O6'
8	O	103	LMT	C5'-C4'-O1B-C1B
7	i	101	BCL	O1A-CGA-O2A-C1
7	3	101	BCL	C15-C16-C17-C18
7	p	102	BCL	C10-C11-C12-C13
7	n	102	BCL	CBA-CGA-O2A-C1
10	2	103	PGV	C01-C02-C03-O11
10	6	102	PGV	C6-C7-C8-C9
10	e	105	PGV	C15-C16-C17-C18
10	i	104	PGV	C15-C16-C17-C18
8	n	101	LMT	O5'-C5'-C6'-O6'
7	b	103	BCL	C16-C17-C18-C19
7	f	103	BCL	C16-C17-C18-C19
8	r	101	LMT	O5B-C5B-C6B-O6B
8	U	102	LMT	C3-C4-C5-C6
7	5	101	BCL	C15-C16-C17-C18
9	h	101	CRT	C1-C4-C5-C6
9	k	101	CRT	C1-C4-C5-C6
9	o	101	CRT	C1-C4-C5-C6
9	q	101	CRT	C1-C4-C5-C6
10	8	103	PGV	C7-C8-C9-C10
7	W	102	BCL	C4-C3-C5-C6
7	A	101	BCL	C2C-C3C-CAC-CBC
7	H	101	BCL	C2C-C3C-CAC-CBC

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Mol	Chain	Res	Type	Atoms
7	I	101	BCL	C2C-C3C-CAC-CBC
7	M	101	BCL	C2C-C3C-CAC-CBC
7	Q	101	BCL	C2C-C3C-CAC-CBC
7	U	101	BCL	C2C-C3C-CAC-CBC
7	Y	101	BCL	C2C-C3C-CAC-CBC
7	Z	102	BCL	C2C-C3C-CAC-CBC
7	3	101	BCL	C2C-C3C-CAC-CBC
7	7	101	BCL	C2C-C3C-CAC-CBC
7	e	103	BCL	C2C-C3C-CAC-CBC
7	k	103	BCL	C2C-C3C-CAC-CBC
7	q	103	BCL	C2C-C3C-CAC-CBC
8	C	103	LMT	C5'-C4'-O1B-C1B
8	I	102	LMT	C3-C4-C5-C6
7	U	101	BCL	C15-C16-C17-C18
7	a	101	BCL	C5-C6-C7-C8
10	D	102	PGV	C5-C6-C7-C8
10	H	102	PGV	C27-C28-C29-C30
10	g	103	PGV	C7-C8-C9-C10
10	q	105	PGV	C15-C16-C17-C18
7	M	101	BCL	C5-C6-C7-C8
7	Z	102	BCL	C5-C6-C7-C8
8	C	105	LMT	O5'-C5'-C6'-O6'
8	O	105	LMT	O5B-C5B-C6B-O6B
8	5	104	LMT	O5'-C5'-C6'-O6'
8	b	102	LMT	O5'-C5'-C6'-O6'
8	p	101	LMT	O5B-C5B-C6B-O6B
8	r	101	LMT	O5'-C5'-C6'-O6'
7	a	102	BCL	C3-C5-C6-C7
7	i	102	BCL	C3-C5-C6-C7
10	2	103	PGV	C5-C6-C7-C8
10	c	104	PGV	O03-C01-C02-C03
10	c	104	PGV	C15-C16-C17-C18
10	m	105	PGV	O03-C01-C02-C03
10	q	105	PGV	O03-C01-C02-C03
8	9	105	LMT	O5B-C5B-C6B-O6B
8	d	101	LMT	O5B-C5B-C6B-O6B
8	l	101	LMT	O5B-C5B-C6B-O6B
7	k	103	BCL	C13-C15-C16-C17
8	Y	102	LMT	C3-C4-C5-C6
10	T	102	PGV	C27-C28-C29-C30
10	e	104	PGV	C20-C21-C22-C23
10	k	104	PGV	C4-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
7	M	101	BCL	C15-C16-C17-C18
7	i	102	BCL	C13-C15-C16-C17
8	b	102	LMT	C9-C10-C11-C12
8	C	105	LMT	O5B-C5B-C6B-O6B
8	5	105	LMT	O5B-C5B-C6B-O6B
8	h	102	LMT	O5B-C5B-C6B-O6B
8	j	101	LMT	O5B-C5B-C6B-O6B
10	H	102	PGV	C1-C2-C3-C4
10	2	103	PGV	C1-C2-C3-C4
7	k	102	BCL	C15-C16-C17-C18
10	J	103	PGV	C21-C22-C23-C24
10	o	104	PGV	C27-C28-C29-C30
8	G	105	LMT	O5'-C5'-C6'-O6'
8	S	105	LMT	O5B-C5B-C6B-O6B
8	9	105	LMT	O5'-C5'-C6'-O6'
8	n	101	LMT	O5B-C5B-C6B-O6B
10	a	103	PGV	C2-C3-C4-C5
7	B	102	BCL	C5-C6-C7-C8
7	F	102	BCL	C5-C6-C7-C8
7	8	102	BCL	C5-C6-C7-C8
7	n	102	BCL	O1A-CGA-O2A-C1
8	5	105	LMT	O5'-C5'-C6'-O6'
8	p	101	LMT	C4-C5-C6-C7
8	G	105	LMT	C1-C2-C3-C4
10	k	104	PGV	C2-C3-C4-C5
7	e	103	BCL	O1D-CGD-O2D-CED
7	A	101	BCL	C5-C6-C7-C8
7	J	102	BCL	C5-C6-C7-C8
7	Y	101	BCL	C5-C6-C7-C8
7	6	101	BCL	C10-C11-C12-C13
7	o	102	BCL	C15-C16-C17-C18
8	O	105	LMT	O5'-C5'-C6'-O6'
8	W	105	LMT	O5B-C5B-C6B-O6B
8	1	105	LMT	O5B-C5B-C6B-O6B
8	b	102	LMT	O5B-C5B-C6B-O6B
7	c	102	BCL	C4-C3-C5-C6
7	e	103	BCL	C4-C3-C5-C6
7	k	103	BCL	C4-C3-C5-C6
7	q	103	BCL	C4-C3-C5-C6
10	X	102	PGV	C6-C7-C8-C9
10	c	103	PGV	C20-C21-C22-C23
10	k	104	PGV	C20-C21-C22-C23

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Mol	Chain	Res	Type	Atoms
7	e	103	BCL	C2-C3-C5-C6
7	A	101	BCL	CBA-CGA-O2A-C1
7	c	101	BCL	CBA-CGA-O2A-C1
7	i	102	BCL	CBD-CGD-O2D-CED
7	D	101	BCL	C10-C11-C12-C13
7	R	102	BCL	C5-C6-C7-C8
7	e	103	BCL	C5-C6-C7-C8
7	k	102	BCL	C5-C6-C7-C8
8	r	101	LMT	C9-C10-C11-C12
8	G	105	LMT	O5B-C5B-C6B-O6B
8	W	105	LMT	O5'-C5'-C6'-O6'
8	1	105	LMT	O5'-C5'-C6'-O6'
7	S	102	BCL	C2-C1-O2A-CGA
8	l	101	LMT	C9-C10-C11-C12
7	o	103	BCL	O1D-CGD-O2D-CED
7	r	102	BCL	CBD-CGD-O2D-CED
8	K	105	LMT	O5B-C5B-C6B-O6B
7	f	103	BCL	C3-C5-C6-C7
7	a	102	BCL	O1D-CGD-O2D-CED
7	E	101	BCL	C15-C16-C17-C18
7	o	102	BCL	C5-C6-C7-C8
7	Q	101	BCL	CBA-CGA-O2A-C1
7	U	101	BCL	CBA-CGA-O2A-C1
10	X	102	PGV	O01-C02-C03-O11
10	6	102	PGV	O01-C02-C03-O11
7	n	102	BCL	C16-C17-C18-C19
10	D	102	PGV	C1-C2-C3-C4
10	c	103	PGV	C27-C28-C29-C30
10	m	104	PGV	C27-C28-C29-C30
10	g	103	PGV	C19-C20-C21-C22
7	Q	101	BCL	C15-C16-C17-C18
7	c	101	BCL	C5-C6-C7-C8
7	i	102	BCL	C5-C6-C7-C8
7	k	103	BCL	C5-C6-C7-C8
9	B	101	CRT	C3-C1-O1-C1M
9	B	101	CRT	C39-C38-O2-C2M
9	F	101	CRT	C3-C1-O1-C1M
9	F	101	CRT	C40-C38-O2-C2M
9	J	101	CRT	C3-C1-O1-C1M
9	J	101	CRT	C40-C38-O2-C2M
9	N	101	CRT	C2-C1-O1-C1M
9	N	101	CRT	C3-C1-O1-C1M

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Mol	Chain	Res	Type	Atoms
9	N	101	CRT	C39-C38-O2-C2M
9	N	101	CRT	C40-C38-O2-C2M
9	R	101	CRT	C2-C1-O1-C1M
9	R	101	CRT	C3-C1-O1-C1M
9	R	101	CRT	C40-C38-O2-C2M
9	V	101	CRT	C3-C1-O1-C1M
9	V	101	CRT	C39-C38-O2-C2M
9	V	101	CRT	C40-C38-O2-C2M
9	Z	101	CRT	C2-C1-O1-C1M
9	Z	101	CRT	C3-C1-O1-C1M
9	Z	101	CRT	C40-C38-O2-C2M
9	4	101	CRT	C2-C1-O1-C1M
9	4	101	CRT	C3-C1-O1-C1M
9	4	101	CRT	C40-C38-O2-C2M
9	8	101	CRT	C2-C1-O1-C1M
9	8	101	CRT	C3-C1-O1-C1M
9	8	101	CRT	C40-C38-O2-C2M
9	a	105	CRT	C39-C38-O2-C2M
9	b	101	CRT	C39-C38-O2-C2M
9	e	101	CRT	C39-C38-O2-C2M
9	f	101	CRT	C39-C38-O2-C2M
9	h	101	CRT	C39-C38-O2-C2M
9	k	101	CRT	C39-C38-O2-C2M
9	m	101	CRT	C39-C38-O2-C2M
9	q	101	CRT	C39-C38-O2-C2M
10	q	104	PGV	C4-C5-C6-C7
7	S	101	BCL	C15-C16-C17-C18
7	T	101	BCL	C10-C11-C12-C13
7	V	102	BCL	C5-C6-C7-C8
10	B	103	PGV	C27-C28-C29-C30
10	6	102	PGV	C21-C22-C23-C24
7	g	102	BCL	C4-C3-C5-C6
7	i	102	BCL	C4-C3-C5-C6
10	e	104	PGV	C7-C8-C9-C10
7	C	101	BCL	C11-C10-C8-C7
7	C	102	BCL	C6-C7-C8-C10
7	G	101	BCL	C11-C10-C8-C7
7	G	102	BCL	C6-C7-C8-C10
7	K	101	BCL	C6-C7-C8-C10
7	K	102	BCL	C6-C7-C8-C10
7	K	102	BCL	C11-C12-C13-C15
7	M	101	BCL	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
7	O	101	BCL	C6-C7-C8-C10
7	O	102	BCL	C6-C7-C8-C10
7	R	102	BCL	C11-C10-C8-C7
7	R	102	BCL	C11-C12-C13-C15
7	S	101	BCL	C6-C7-C8-C10
7	V	102	BCL	C11-C10-C8-C7
7	W	101	BCL	C11-C10-C8-C7
7	W	102	BCL	C6-C7-C8-C10
7	Y	101	BCL	C6-C7-C8-C10
7	1	101	BCL	C6-C7-C8-C10
7	1	102	BCL	C6-C7-C8-C10
7	1	102	BCL	C11-C10-C8-C7
7	5	101	BCL	C6-C7-C8-C10
7	5	102	BCL	C6-C7-C8-C10
7	5	102	BCL	C11-C12-C13-C15
7	9	101	BCL	C6-C7-C8-C10
7	9	101	BCL	C11-C10-C8-C7
7	9	102	BCL	C6-C7-C8-C10
7	9	102	BCL	C11-C10-C8-C7
7	b	103	BCL	C11-C10-C8-C7
7	c	102	BCL	C2-C3-C5-C6
7	d	102	BCL	C6-C7-C8-C10
7	g	101	BCL	C11-C10-C8-C7
7	g	101	BCL	C12-C13-C15-C16
7	k	102	BCL	C12-C13-C15-C16
7	k	103	BCL	C2-C3-C5-C6
7	n	102	BCL	C11-C10-C8-C7
7	q	103	BCL	C2-C3-C5-C6
7	r	102	BCL	C11-C10-C8-C7
8	M	102	LMT	C3-C4-C5-C6
10	a	103	PGV	C25-C26-C27-C28
7	H	101	BCL	C6-C7-C8-C9
7	M	101	BCL	C11-C12-C13-C14
7	P	101	BCL	C6-C7-C8-C9
7	R	102	BCL	C11-C12-C13-C14
7	W	102	BCL	C11-C10-C8-C9
7	1	101	BCL	C11-C10-C8-C9
7	5	101	BCL	C11-C10-C8-C9
7	9	102	BCL	C11-C10-C8-C9
7	0	101	BCL	C6-C7-C8-C9
7	b	103	BCL	C11-C10-C8-C9
7	r	102	BCL	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
7	g	102	BCL	CBD-CGD-O2D-CED
10	T	102	PGV	C5-C6-C7-C8
10	o	104	PGV	C20-C21-C22-C23
7	I	101	BCL	CBA-CGA-O2A-C1
7	M	101	BCL	CBA-CGA-O2A-C1
7	Y	101	BCL	CBA-CGA-O2A-C1
7	7	101	BCL	CBA-CGA-O2A-C1
7	g	102	BCL	C5-C6-C7-C8
7	m	103	BCL	C5-C6-C7-C8
7	e	102	BCL	C2A-CAA-CBA-CGA
7	i	101	BCL	C2A-CAA-CBA-CGA
7	m	102	BCL	C2A-CAA-CBA-CGA
7	q	102	BCL	C2A-CAA-CBA-CGA
10	c	103	PGV	C25-C26-C27-C28
9	e	101	CRT	C36-C37-C38-O2
7	l	102	BCL	C16-C17-C18-C19
8	j	101	LMT	C9-C10-C11-C12
10	4	103	PGV	C7-C8-C9-C10
8	W	103	LMT	C4B-C5B-C6B-O6B
8	3	102	LMT	C3-C4-C5-C6
10	o	104	PGV	C2-C3-C4-C5
7	e	103	BCL	C3-C5-C6-C7
7	g	102	BCL	C3-C5-C6-C7
7	K	101	BCL	C15-C16-C17-C18
7	i	101	BCL	C5-C6-C7-C8
10	g	103	PGV	C24-C25-C26-C27
7	L	101	BCL	CBA-CGA-O2A-C1
10	X	102	PGV	C5-C6-C7-C8
10	0	102	PGV	C5-C6-C7-C8
7	E	101	BCL	C5-C6-C7-C8
7	a	101	BCL	C15-C16-C17-C18
10	q	104	PGV	C24-C25-C26-C27
8	E	102	LMT	C3-C4-C5-C6
7	I	101	BCL	C5-C6-C7-C8
7	N	102	BCL	C15-C16-C17-C18
7	g	101	BCL	C15-C16-C17-C18
10	H	102	PGV	C01-C02-C03-O11
10	L	102	PGV	C01-C02-C03-O11
10	P	102	PGV	C01-C02-C03-O11
10	T	102	PGV	C01-C02-C03-O11
10	X	102	PGV	C01-C02-C03-O11
10	6	102	PGV	C01-C02-C03-O11

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Mol	Chain	Res	Type	Atoms
10	0	102	PGV	C01-C02-C03-O11
7	k	103	BCL	C3-C5-C6-C7
10	m	104	PGV	C25-C26-C27-C28
7	2	102	BCL	C10-C11-C12-C13
7	3	101	BCL	C5-C6-C7-C8
7	c	101	BCL	C15-C16-C17-C18
8	O	103	LMT	O5B-C5B-C6B-O6B
7	K	102	BCL	C4-C3-C5-C6
7	a	102	BCL	C4-C3-C5-C6
7	m	103	BCL	C4-C3-C5-C6
7	o	103	BCL	C4-C3-C5-C6
7	g	102	BCL	C2-C3-C5-C6
7	i	102	BCL	C2-C3-C5-C6
8	j	101	LMT	O1'-C1-C2-C3
8	A	102	LMT	C3-C4-C5-C6
7	o	102	BCL	C16-C17-C18-C19
10	i	104	PGV	C20-C21-C22-C23
7	Q	101	BCL	C5-C6-C7-C8
7	7	101	BCL	C5-C6-C7-C8
7	E	101	BCL	CBA-CGA-O2A-C1
7	3	101	BCL	CBA-CGA-O2A-C1
10	m	105	PGV	C22-C23-C24-C25
8	r	101	LMT	O1'-C1-C2-C3
10	m	104	PGV	C7-C8-C9-C10
8	C	104	LMT	C2-C1-O1'-C1'
8	K	104	LMT	C2-C1-O1'-C1'
8	S	104	LMT	C2-C1-O1'-C1'
8	W	104	LMT	C2-C1-O1'-C1'
8	1	104	LMT	C2-C1-O1'-C1'
8	5	104	LMT	C2-C1-O1'-C1'
8	9	104	LMT	C2-C1-O1'-C1'
10	H	102	PGV	C5-C6-C7-C8
7	c	102	BCL	O1D-CGD-O2D-CED
10	6	102	PGV	C5-C6-C7-C8
10	a	104	PGV	O03-C01-C02-C03
10	e	105	PGV	O03-C01-C02-C03
10	g	104	PGV	O03-C01-C02-C03
10	i	104	PGV	O03-C01-C02-C03
10	k	105	PGV	O03-C01-C02-C03
10	o	105	PGV	O03-C01-C02-C03
10	2	103	PGV	C29-C30-C31-C32
8	K	103	LMT	C4-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
10	m	104	PGV	C20-C21-C22-C23
10	k	104	PGV	C24-C25-C26-C27
8	h	102	LMT	C4-C5-C6-C7
7	a	102	BCL	C2-C3-C5-C6
7	o	103	BCL	C2-C3-C5-C6
8	d	101	LMT	C4-C5-C6-C7
8	S	103	LMT	C4-C5-C6-C7
8	h	102	LMT	O1'-C1-C2-C3
10	V	103	PGV	C27-C28-C29-C30
10	T	102	PGV	C1-C2-C3-C4
7	c	101	BCL	O1A-CGA-O2A-C1
8	9	103	LMT	O1'-C1-C2-C3
10	i	103	PGV	C20-C21-C22-C23
7	9	101	BCL	C15-C16-C17-C18
8	K	103	LMT	O1'-C1-C2-C3
7	A	101	BCL	O1A-CGA-O2A-C1
7	Q	101	BCL	O1A-CGA-O2A-C1
7	U	101	BCL	O1A-CGA-O2A-C1
7	d	102	BCL	C16-C17-C18-C20
7	f	103	BCL	C16-C17-C18-C20
7	j	102	BCL	C16-C17-C18-C20
7	Z	102	BCL	C15-C16-C17-C18
7	7	101	BCL	C15-C16-C17-C18
8	l	101	LMT	O1'-C1-C2-C3
8	n	101	LMT	C9-C10-C11-C12
10	g	103	PGV	C20-C21-C22-C23
10	P	102	PGV	C21-C22-C23-C24
10	H	102	PGV	O03-C01-C02-O01
10	o	104	PGV	O03-C01-C02-O01
7	l	102	BCL	C16-C17-C18-C20
7	n	102	BCL	C16-C17-C18-C20
7	p	102	BCL	C16-C17-C18-C20
8	Y	102	LMT	O5'-C1'-O1'-C1
7	C	102	BCL	C2-C1-O2A-CGA
7	G	102	BCL	C2-C1-O2A-CGA
7	K	102	BCL	C2-C1-O2A-CGA
7	O	102	BCL	C2-C1-O2A-CGA
7	1	102	BCL	C2-C1-O2A-CGA
7	5	102	BCL	C2-C1-O2A-CGA
7	9	102	BCL	C2-C1-O2A-CGA
7	m	103	BCL	C2-C3-C5-C6
8	d	101	LMT	O1'-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
8	n	101	LMT	C4-C5-C6-C7
10	g	104	PGV	C20-C21-C22-C23
7	A	101	BCL	C11-C12-C13-C14
7	E	101	BCL	C11-C12-C13-C14
7	N	102	BCL	C6-C7-C8-C9
7	Q	101	BCL	C11-C12-C13-C14
7	d	102	BCL	C11-C12-C13-C14
7	n	102	BCL	C11-C12-C13-C14
7	p	102	BCL	C11-C10-C8-C9
7	r	102	BCL	C11-C10-C8-C9
7	r	102	BCL	C11-C12-C13-C14
7	O	101	BCL	C15-C16-C17-C18
7	M	101	BCL	O1A-CGA-O2A-C1
7	Y	101	BCL	O1A-CGA-O2A-C1
10	i	103	PGV	C21-C22-C23-C24
7	b	103	BCL	C16-C17-C18-C20
7	B	102	BCL	C13-C15-C16-C17
7	1	101	BCL	C15-C16-C17-C18
8	G	103	LMT	C4-C5-C6-C7
8	1	103	LMT	O1'-C1-C2-C3
8	f	102	LMT	O1'-C1-C2-C3
8	p	101	LMT	C9-C10-C11-C12
7	a	101	BCL	O1D-CGD-O2D-CED
9	F	101	CRT	C15-C16-C17-C19
9	Z	101	CRT	C15-C16-C17-C19
7	a	102	BCL	C5-C6-C7-C8
7	o	103	BCL	C5-C6-C7-C8
10	o	104	PGV	C19-C20-C21-C22
8	K	105	LMT	C6-C7-C8-C9
7	h	103	BCL	C16-C17-C18-C20
7	o	102	BCL	C16-C17-C18-C20
10	6	102	PGV	C1-C2-C3-C4
7	G	101	BCL	C15-C16-C17-C18
7	I	101	BCL	O1A-CGA-O2A-C1
7	L	101	BCL	O1A-CGA-O2A-C1
7	7	101	BCL	O1A-CGA-O2A-C1
10	D	102	PGV	C01-C02-C03-O11
10	a	103	PGV	C01-C02-C03-O11
7	A	101	BCL	C11-C12-C13-C15
7	B	102	BCL	C6-C7-C8-C10
7	C	101	BCL	C6-C7-C8-C10
7	E	101	BCL	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
7	G	101	BCL	C6-C7-C8-C10
7	I	101	BCL	C11-C12-C13-C15
7	J	102	BCL	C11-C10-C8-C7
7	J	102	BCL	C11-C12-C13-C15
7	M	101	BCL	C11-C12-C13-C15
7	N	102	BCL	C6-C7-C8-C10
7	Q	101	BCL	C11-C12-C13-C15
7	T	101	BCL	C6-C7-C8-C10
7	U	101	BCL	C11-C12-C13-C15
7	V	102	BCL	C6-C7-C8-C10
7	W	101	BCL	C6-C7-C8-C10
7	W	102	BCL	C2-C3-C5-C6
7	Y	101	BCL	C11-C12-C13-C15
7	Z	102	BCL	C6-C7-C8-C10
7	Z	102	BCL	C11-C12-C13-C15
7	3	101	BCL	C11-C12-C13-C15
7	4	102	BCL	C6-C7-C8-C10
7	4	102	BCL	C11-C12-C13-C15
7	5	101	BCL	C11-C12-C13-C15
7	7	101	BCL	C11-C12-C13-C15
7	a	101	BCL	C12-C13-C15-C16
7	c	101	BCL	C12-C13-C15-C16
7	c	102	BCL	C6-C7-C8-C10
7	d	102	BCL	C11-C10-C8-C7
7	e	102	BCL	C12-C13-C15-C16
7	f	103	BCL	C11-C10-C8-C7
7	h	103	BCL	C11-C10-C8-C7
7	i	101	BCL	C12-C13-C15-C16
7	j	102	BCL	C11-C10-C8-C7
7	l	102	BCL	C11-C10-C8-C7
7	m	102	BCL	C12-C13-C15-C16
7	p	102	BCL	C11-C10-C8-C7
7	q	102	BCL	C12-C13-C15-C16
10	J	103	PGV	C7-C8-C9-C10
7	C	101	BCL	C15-C16-C17-C18
10	e	104	PGV	C25-C26-C27-C28
7	W	101	BCL	C15-C16-C17-C18
8	G	103	LMT	O1'-C1-C2-C3
8	1	105	LMT	C5'-C4'-O1B-C1B
7	J	102	BCL	C13-C15-C16-C17
7	4	102	BCL	C15-C16-C17-C18
8	j	101	LMT	C4-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
10	N	103	PGV	C27-C28-C29-C30
7	B	102	BCL	C15-C16-C17-C18
10	V	103	PGV	C7-C8-C9-C10
10	e	104	PGV	C2-C3-C4-C5
10	g	103	PGV	C2-C3-C4-C5
10	N	103	PGV	C7-C8-C9-C10
10	e	104	PGV	C21-C22-C23-C24
10	q	104	PGV	C20-C21-C22-C23
7	A	101	BCL	C15-C16-C17-C18
10	q	104	PGV	C21-C22-C23-C24
7	G	102	BCL	CAD-CBD-CGD-O2D
7	K	102	BCL	CAD-CBD-CGD-O2D
7	O	102	BCL	CAD-CBD-CGD-O2D
7	9	102	BCL	CAD-CBD-CGD-O2D
7	a	102	BCL	CAD-CBD-CGD-O2D
7	c	102	BCL	CAD-CBD-CGD-O2D
7	e	103	BCL	CAD-CBD-CGD-O2D
7	k	103	BCL	CAD-CBD-CGD-O2D
7	m	103	BCL	CAD-CBD-CGD-O2D
7	o	103	BCL	CAD-CBD-CGD-O2D
8	E	102	LMT	C1-C2-C3-C4
10	B	103	PGV	C2-C3-C4-C5
8	C	104	LMT	C11-C10-C9-C8
10	L	102	PGV	C29-C30-C31-C32
10	c	103	PGV	C7-C8-C9-C10
8	S	103	LMT	C4B-C5B-C6B-O6B
8	7	102	LMT	O1'-C1-C2-C3
8	h	102	LMT	C9-C10-C11-C12
10	a	103	PGV	O01-C02-C03-O11
10	J	103	PGV	C27-C28-C29-C30
7	E	101	BCL	C2A-CAA-CBA-CGA
7	g	101	BCL	C2A-CAA-CBA-CGA
7	r	102	BCL	C2A-CAA-CBA-CGA
7	e	102	BCL	C15-C16-C17-C18
10	2	101	PGV	C31-C32-C33-C34
7	r	102	BCL	C16-C17-C18-C20
10	c	103	PGV	C2-C3-C4-C5
7	m	103	BCL	O1D-CGD-O2D-CED
7	m	103	BCL	C3-C5-C6-C7
7	3	101	BCL	O1A-CGA-O2A-C1
8	f	102	LMT	C9-C10-C11-C12
10	T	102	PGV	O03-C01-C02-O01

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Mol	Chain	Res	Type	Atoms
10	0	102	PGV	O03-C01-C02-O01
10	e	104	PGV	O03-C01-C02-O01
10	N	103	PGV	C04-O12-P-O13
10	V	103	PGV	C04-O12-P-O13
10	2	101	PGV	C04-O12-P-O13
8	M	102	LMT	C4B-C5B-C6B-O6B
7	V	102	BCL	C13-C15-C16-C17
7	E	101	BCL	O1A-CGA-O2A-C1
7	5	101	BCL	C16-C17-C18-C19
10	c	103	PGV	C21-C22-C23-C24
10	R	103	PGV	C7-C8-C9-C10
10	F	103	PGV	C29-C30-C31-C32
7	B	102	BCL	C6-C7-C8-C9
7	F	102	BCL	C6-C7-C8-C9
7	I	101	BCL	C11-C12-C13-C14
7	J	102	BCL	C6-C7-C8-C9
7	J	102	BCL	C11-C10-C8-C9
7	R	102	BCL	C6-C7-C8-C9
7	U	101	BCL	C11-C12-C13-C14
7	Y	101	BCL	C11-C12-C13-C14
7	Z	102	BCL	C6-C7-C8-C9
7	Z	102	BCL	C11-C12-C13-C14
7	3	101	BCL	C11-C12-C13-C14
7	4	102	BCL	C6-C7-C8-C9
7	8	102	BCL	C6-C7-C8-C9
7	c	101	BCL	C14-C13-C15-C16
7	h	103	BCL	C11-C10-C8-C9
7	j	102	BCL	C11-C10-C8-C9
7	f	103	BCL	O1D-CGD-O2D-CED
7	F	102	BCL	C15-C16-C17-C18
10	k	104	PGV	C25-C26-C27-C28
8	U	102	LMT	C1-C2-C3-C4
7	A	101	BCL	C1A-C2A-CAA-CBA
7	M	101	BCL	C1A-C2A-CAA-CBA
7	Q	101	BCL	C1A-C2A-CAA-CBA
7	U	101	BCL	C1A-C2A-CAA-CBA
7	a	102	BCL	C2-C1-O2A-CGA
8	9	103	LMT	C4-C5-C6-C7
8	l	101	LMT	C4-C5-C6-C7
10	m	104	PGV	C21-C22-C23-C24
7	J	102	BCL	C15-C16-C17-C18
10	g	103	PGV	C03-O11-P-O12

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Mol	Chain	Res	Type	Atoms
10	o	104	PGV	C03-O11-P-O12
8	G	104	LMT	C11-C10-C9-C8
10	H	102	PGV	C22-C23-C24-C25
10	4	103	PGV	C27-C28-C29-C30
10	o	105	PGV	C20-C21-C22-C23
7	C	102	BCL	C4-C3-C5-C6
10	2	103	PGV	C03-O11-P-O14
10	0	102	PGV	C03-O11-P-O13
10	a	104	PGV	C03-O11-P-O13
10	a	104	PGV	C03-O11-P-O14
10	c	104	PGV	C03-O11-P-O13
10	c	104	PGV	C03-O11-P-O14
10	e	105	PGV	C03-O11-P-O13
10	e	105	PGV	C03-O11-P-O14
10	g	104	PGV	C03-O11-P-O13
10	g	104	PGV	C03-O11-P-O14
10	i	104	PGV	C03-O11-P-O13
10	k	105	PGV	C03-O11-P-O13
10	k	105	PGV	C03-O11-P-O14
10	m	105	PGV	C03-O11-P-O13
10	o	105	PGV	C03-O11-P-O13
10	o	105	PGV	C03-O11-P-O14
10	q	105	PGV	C03-O11-P-O13
7	k	102	BCL	C16-C17-C18-C19
7	m	102	BCL	C16-C17-C18-C19
8	I	102	LMT	C1-C2-C3-C4
10	X	102	PGV	C1-C2-C3-C4
10	X	102	PGV	C21-C22-C23-C24
10	2	101	PGV	C27-C28-C29-C30
8	O	104	LMT	O1'-C1-C2-C3
8	5	105	LMT	C5'-C4'-O1B-C1B
7	a	101	BCL	C2A-CAA-CBA-CGA
7	o	103	BCL	C3-C5-C6-C7
8	G	105	LMT	C5'-C4'-O1B-C1B
8	n	101	LMT	O1'-C1-C2-C3
10	8	103	PGV	C27-C28-C29-C30
10	k	104	PGV	C27-C28-C29-C30
8	1	103	LMT	C4-C5-C6-C7
10	a	103	PGV	C20-C21-C22-C23
10	a	103	PGV	C21-C22-C23-C24
7	r	102	BCL	C5-C6-C7-C8
10	F	103	PGV	C12-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
9	a	105	CRT	C1-C4-C5-C6
9	b	101	CRT	C1-C4-C5-C6
9	e	101	CRT	C1-C4-C5-C6
9	f	101	CRT	C1-C4-C5-C6
9	m	101	CRT	C1-C4-C5-C6
8	U	102	LMT	C7-C8-C9-C10
8	M	102	LMT	C1-C2-C3-C4
8	S	105	LMT	C5'-C4'-O1B-C1B
7	B	102	BCL	C11-C10-C8-C7
7	C	101	BCL	C11-C12-C13-C15
7	F	102	BCL	C6-C7-C8-C10
7	F	102	BCL	C11-C10-C8-C7
7	F	102	BCL	C11-C12-C13-C15
7	G	101	BCL	C11-C12-C13-C15
7	J	102	BCL	C6-C7-C8-C10
7	K	101	BCL	C11-C12-C13-C15
7	L	101	BCL	C2C-C3C-CAC-CBC
7	N	102	BCL	C11-C10-C8-C7
7	N	102	BCL	C11-C12-C13-C15
7	O	101	BCL	C11-C12-C13-C15
7	R	102	BCL	C6-C7-C8-C10
7	S	101	BCL	C2C-C3C-CAC-CBC
7	S	101	BCL	C11-C12-C13-C15
7	T	101	BCL	C2C-C3C-CAC-CBC
7	W	101	BCL	C11-C12-C13-C15
7	Z	102	BCL	C11-C10-C8-C7
7	1	101	BCL	C11-C12-C13-C15
7	4	102	BCL	C11-C10-C8-C7
7	8	102	BCL	C6-C7-C8-C10
7	8	102	BCL	C11-C10-C8-C7
7	8	102	BCL	C11-C12-C13-C15
7	9	101	BCL	C11-C12-C13-C15
7	i	101	BCL	C11-C10-C8-C7
7	o	102	BCL	C12-C13-C15-C16
7	q	102	BCL	C11-C10-C8-C7
7	q	103	BCL	C6-C7-C8-C10
10	F	103	PGV	C7-C8-C9-C10
10	k	104	PGV	C21-C22-C23-C24
10	q	104	PGV	C2-C3-C4-C5
7	F	102	BCL	C13-C15-C16-C17
7	K	101	BCL	C16-C17-C18-C19
7	e	103	BCL	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
7	r	102	BCL	C16-C17-C18-C19
10	i	103	PGV	C2-C3-C4-C5
10	a	103	PGV	O03-C01-C02-O01
10	R	103	PGV	C2-C3-C4-C5
8	3	102	LMT	C4B-C5B-C6B-O6B
8	3	102	LMT	C7-C8-C9-C10
8	Q	102	LMT	O1'-C1-C2-C3
7	8	102	BCL	C13-C15-C16-C17
7	r	102	BCL	C15-C16-C17-C18
10	X	102	PGV	C20-C19-O03-C01
7	H	101	BCL	C10-C11-C12-C13
7	J	102	BCL	C11-C12-C13-C14
7	N	102	BCL	C11-C12-C13-C14
7	R	102	BCL	C11-C10-C8-C9
7	V	102	BCL	C6-C7-C8-C9
7	V	102	BCL	C11-C10-C8-C9
7	5	101	BCL	C11-C12-C13-C14
7	7	101	BCL	C11-C12-C13-C14
7	8	102	BCL	C11-C12-C13-C14
7	9	101	BCL	C11-C12-C13-C14
7	d	102	BCL	C11-C10-C8-C9
7	e	102	BCL	C14-C13-C15-C16
7	f	103	BCL	C11-C10-C8-C9
7	f	103	BCL	C11-C12-C13-C14
7	g	101	BCL	C11-C10-C8-C9
7	h	103	BCL	C11-C12-C13-C14
7	i	101	BCL	C14-C13-C15-C16
7	j	102	BCL	C6-C7-C8-C9
7	l	102	BCL	C11-C10-C8-C9
7	m	102	BCL	C14-C13-C15-C16
7	n	102	BCL	C11-C10-C8-C9
7	q	102	BCL	C14-C13-C15-C16
7	r	102	BCL	O1D-CGD-O2D-CED
10	J	103	PGV	C31-C32-C33-C34
10	6	102	PGV	C29-C30-C31-C32
7	1	102	BCL	C3-C5-C6-C7
9	F	101	CRT	C37-C38-O2-C2M
9	8	101	CRT	C37-C38-O2-C2M
10	e	105	PGV	C14-C15-C16-C17
10	i	104	PGV	C14-C15-C16-C17
8	A	102	LMT	C4B-C5B-C6B-O6B
7	k	102	BCL	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
8	I	102	LMT	C7-C8-C9-C10
8	W	104	LMT	C6-C7-C8-C9
10	g	104	PGV	C25-C26-C27-C28
8	A	102	LMT	C1-C2-C3-C4
8	M	102	LMT	O5B-C5B-C6B-O6B
7	Q	101	BCL	C4-C3-C5-C6
7	K	102	BCL	C2-C3-C5-C6
8	C	105	LMT	C6-C7-C8-C9
8	Q	102	LMT	C1-C2-C3-C4
8	S	104	LMT	C11-C10-C9-C8
7	V	102	BCL	C15-C16-C17-C18
7	8	102	BCL	C15-C16-C17-C18
7	I	101	BCL	C2A-CAA-CBA-CGA
7	U	101	BCL	C2A-CAA-CBA-CGA
7	b	103	BCL	C2A-CAA-CBA-CGA
7	d	102	BCL	C2A-CAA-CBA-CGA
7	f	103	BCL	C2A-CAA-CBA-CGA
7	h	103	BCL	C2A-CAA-CBA-CGA
7	j	102	BCL	C2A-CAA-CBA-CGA
7	l	102	BCL	C2A-CAA-CBA-CGA
7	n	102	BCL	C2A-CAA-CBA-CGA
7	p	102	BCL	C2A-CAA-CBA-CGA
7	e	103	BCL	C15-C16-C17-C18
7	A	101	BCL	C2-C1-O2A-CGA
7	I	101	BCL	C2-C1-O2A-CGA
7	Q	101	BCL	C2-C1-O2A-CGA
7	W	102	BCL	C2-C1-O2A-CGA
7	Y	101	BCL	C2-C1-O2A-CGA
7	3	101	BCL	C2-C1-O2A-CGA
7	7	101	BCL	C2-C1-O2A-CGA
10	o	104	PGV	C25-C26-C27-C28
7	1	101	BCL	C16-C17-C18-C19
8	W	105	LMT	C5'-C4'-O1B-C1B
8	Y	102	LMT	C1-C2-C3-C4
10	X	102	PGV	O04-C19-O03-C01
7	3	101	BCL	C10-C11-C12-C13
7	i	102	BCL	O1D-CGD-O2D-CED
8	5	103	LMT	C4-C5-C6-C7
10	B	103	PGV	C7-C8-C9-C10
7	k	103	BCL	C15-C16-C17-C18
7	g	102	BCL	O1D-CGD-O2D-CED
8	I	102	LMT	C4B-C5B-C6B-O6B

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Mol	Chain	Res	Type	Atoms
8	Y	102	LMT	C4B-C5B-C6B-O6B
10	2	103	PGV	C22-C23-C24-C25
7	3	101	BCL	C2A-CAA-CBA-CGA
9	F	101	CRT	C39-C38-O2-C2M
9	J	101	CRT	C39-C38-O2-C2M
9	R	101	CRT	C39-C38-O2-C2M
9	Z	101	CRT	C39-C38-O2-C2M
9	4	101	CRT	C39-C38-O2-C2M
9	8	101	CRT	C39-C38-O2-C2M
9	o	101	CRT	C39-C38-O2-C2M
8	W	105	LMT	C6-C7-C8-C9
7	q	102	BCL	C15-C16-C17-C18
10	B	103	PGV	C03-O11-P-O12
10	D	102	PGV	C03-O11-P-O12
10	F	103	PGV	C03-O11-P-O12
10	J	103	PGV	C03-O11-P-O12
10	N	103	PGV	C03-O11-P-O12
10	R	103	PGV	C03-O11-P-O12
10	V	103	PGV	C03-O11-P-O12
10	2	101	PGV	C03-O11-P-O12
10	4	103	PGV	C03-O11-P-O12
10	8	103	PGV	C03-O11-P-O12
10	a	103	PGV	C03-O11-P-O12
10	c	103	PGV	C03-O11-P-O12
10	e	104	PGV	C03-O11-P-O12
10	i	103	PGV	C03-O11-P-O12
10	k	104	PGV	C03-O11-P-O12
10	m	104	PGV	C03-O11-P-O12
10	q	104	PGV	C03-O11-P-O12
10	B	103	PGV	C04-O12-P-O13
10	J	103	PGV	C04-O12-P-O13
10	m	104	PGV	C04-O12-P-O13
10	o	104	PGV	C04-O12-P-O13
10	q	104	PGV	C04-O12-P-O13
10	q	105	PGV	C21-C22-C23-C24
7	X	101	BCL	C10-C11-C12-C13
7	Y	101	BCL	C10-C11-C12-C13
7	B	102	BCL	C11-C12-C13-C15
7	P	101	BCL	C6-C7-C8-C10
7	U	101	BCL	C6-C7-C8-C10
7	V	102	BCL	C11-C12-C13-C15
7	X	101	BCL	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
7	6	101	BCL	C6-C7-C8-C10
7	0	101	BCL	C6-C7-C8-C10
10	g	103	PGV	C27-C28-C29-C30
7	F	102	BCL	C11-C12-C13-C14
7	G	101	BCL	C11-C12-C13-C14
7	G	102	BCL	C11-C12-C13-C14
7	K	101	BCL	C11-C12-C13-C14
7	N	102	BCL	C11-C10-C8-C9
7	O	101	BCL	C11-C12-C13-C14
7	S	101	BCL	C11-C12-C13-C14
7	W	101	BCL	C11-C12-C13-C14
7	Z	102	BCL	C11-C10-C8-C9
7	1	101	BCL	C11-C12-C13-C14
7	a	101	BCL	C14-C13-C15-C16
7	g	101	BCL	C14-C13-C15-C16
7	k	102	BCL	C14-C13-C15-C16
7	o	102	BCL	C14-C13-C15-C16
7	g	102	BCL	C15-C16-C17-C18
7	5	101	BCL	C16-C17-C18-C20
10	R	103	PGV	C31-C32-C33-C34
7	b	103	BCL	C5-C6-C7-C8
8	O	105	LMT	C5'-C4'-O1B-C1B
8	5	103	LMT	O1'-C1-C2-C3
7	i	102	BCL	C15-C16-C17-C18
9	h	101	CRT	C36-C37-C38-O2
9	k	101	CRT	C36-C37-C38-O2
10	L	102	PGV	C1-C2-C3-C4
7	9	101	BCL	C16-C17-C18-C19
7	k	102	BCL	C16-C17-C18-C20
7	6	101	BCL	CBA-CGA-O2A-C1
8	5	105	LMT	C2-C3-C4-C5
7	L	101	BCL	C5-C6-C7-C8
7	Q	101	BCL	C10-C11-C12-C13
8	Y	102	LMT	C7-C8-C9-C10
10	e	105	PGV	C25-C26-C27-C28
10	a	103	PGV	C27-C28-C29-C30
7	E	101	BCL	C4-C3-C5-C6
8	1	103	LMT	C9-C10-C11-C12
10	H	102	PGV	C29-C30-C31-C32
7	G	101	BCL	C16-C17-C18-C19
7	m	102	BCL	C16-C17-C18-C20
7	D	101	BCL	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
7	T	101	BCL	CBA-CGA-O2A-C1
7	2	102	BCL	CBA-CGA-O2A-C1
10	g	103	PGV	C21-C22-C23-C24
7	2	102	BCL	O1A-CGA-O2A-C1
10	P	102	PGV	C2-C3-C4-C5
10	T	102	PGV	C2-C3-C4-C5
10	q	104	PGV	C27-C28-C29-C30
8	G	103	LMT	C4B-C5B-C6B-O6B
7	D	101	BCL	O1A-CGA-O2A-C1
7	T	101	BCL	O1A-CGA-O2A-C1
10	N	103	PGV	C22-C23-C24-C25
10	i	103	PGV	C4-C5-C6-C7
10	q	105	PGV	C14-C15-C16-C17
10	q	105	PGV	C26-C27-C28-C29
8	7	102	LMT	C7-C8-C9-C10
7	m	103	BCL	C15-C16-C17-C18
8	G	104	LMT	O1'-C1-C2-C3
10	i	103	PGV	C27-C28-C29-C30
10	c	103	PGV	O01-C02-C03-O11
10	T	102	PGV	C22-C23-C24-C25
7	6	101	BCL	O1A-CGA-O2A-C1
10	q	104	PGV	C25-C26-C27-C28
7	G	102	BCL	C3-C5-C6-C7
8	S	105	LMT	C6-C7-C8-C9
7	H	101	BCL	C2-C1-O2A-CGA
7	P	101	BCL	C2-C1-O2A-CGA
7	I	101	BCL	C10-C11-C12-C13
10	F	103	PGV	C31-C32-C33-C34
8	p	101	LMT	O1'-C1-C2-C3
7	Q	101	BCL	C2A-CAA-CBA-CGA
7	Y	101	BCL	C2A-CAA-CBA-CGA
10	D	102	PGV	O03-C01-C02-O01
10	2	103	PGV	O03-C01-C02-O01
10	H	102	PGV	C19-C20-C21-C22
7	W	101	BCL	C16-C17-C18-C19
7	o	103	BCL	C16-C17-C18-C19
10	k	105	PGV	C20-C21-C22-C23
8	3	102	LMT	O5B-C5B-C6B-O6B
7	P	101	BCL	CBA-CGA-O2A-C1
8	O	105	LMT	C6-C7-C8-C9
10	L	102	PGV	C2-C3-C4-C5
8	A	102	LMT	O5B-C5B-C6B-O6B

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Mol	Chain	Res	Type	Atoms
7	Q	101	BCL	C2-C3-C5-C6
7	M	101	BCL	C10-C11-C12-C13
10	D	102	PGV	C29-C30-C31-C32
7	4	102	BCL	C11-C12-C13-C14
7	p	102	BCL	C11-C12-C13-C14
7	q	102	BCL	C11-C10-C8-C9
8	C	103	LMT	O1'-C1-C2-C3
8	Y	102	LMT	O5B-C5B-C6B-O6B
7	X	101	BCL	CBA-CGA-O2A-C1
8	j	101	LMT	C3-C4-C5-C6
10	q	105	PGV	O02-C1-O01-C02
7	7	101	BCL	C2A-CAA-CBA-CGA
10	D	102	PGV	C22-C23-C24-C25
7	K	101	BCL	C16-C17-C18-C20
9	N	101	CRT	C15-C16-C17-C18
9	R	101	CRT	C5-C6-C7-C8
8	5	104	LMT	C6-C7-C8-C9
8	9	105	LMT	C5'-C4'-O1B-C1B
10	o	104	PGV	C21-C22-C23-C24
8	K	103	LMT	C9-C10-C11-C12
10	N	103	PGV	C12-C13-C14-C15
10	D	102	PGV	C2-C3-C4-C5
10	4	103	PGV	C31-C32-C33-C34
7	I	101	BCL	C4-C3-C5-C6
7	C	101	BCL	C16-C17-C18-C19
7	q	103	BCL	C16-C17-C18-C19
7	C	102	BCL	C2-C3-C5-C6
7	D	101	BCL	C6-C7-C8-C10
7	W	102	BCL	C11-C12-C13-C15
7	2	102	BCL	C6-C7-C8-C10
7	i	102	BCL	C6-C7-C8-C10
7	k	102	BCL	C11-C10-C8-C7
7	m	102	BCL	C11-C10-C8-C7
10	B	103	PGV	C22-C23-C24-C25
8	I	102	LMT	O5B-C5B-C6B-O6B
7	P	101	BCL	O1A-CGA-O2A-C1
7	X	101	BCL	O1A-CGA-O2A-C1
10	o	104	PGV	C5-C6-C7-C8
10	J	103	PGV	C22-C23-C24-C25
7	7	101	BCL	C10-C11-C12-C13
10	T	102	PGV	C03-O11-P-O12
7	A	101	BCL	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
10	X	102	PGV	C24-C25-C26-C27
10	g	104	PGV	C14-C15-C16-C17
7	U	101	BCL	C10-C11-C12-C13
7	c	102	BCL	C15-C16-C17-C18
10	V	103	PGV	C31-C32-C33-C34
10	c	104	PGV	C21-C22-C23-C24
8	Q	102	LMT	C4B-C5B-C6B-O6B
10	k	105	PGV	C25-C26-C27-C28
7	O	101	BCL	C16-C17-C18-C19
7	o	103	BCL	C15-C16-C17-C18
7	3	101	BCL	C4-C3-C5-C6
10	o	104	PGV	C7-C8-C9-C10
8	C	103	LMT	C1-C2-C3-C4
10	m	105	PGV	O02-C1-O01-C02
8	n	101	LMT	C3-C4-C5-C6
8	U	102	LMT	C4B-C5B-C6B-O6B
10	c	103	PGV	O03-C01-C02-O01
10	g	103	PGV	O03-C01-C02-O01
10	J	103	PGV	C6-C7-C8-C9
10	4	103	PGV	C04-O12-P-O13
10	8	103	PGV	C04-O12-P-O13
10	a	103	PGV	C04-O12-P-O13
7	A	101	BCL	C2A-CAA-CBA-CGA
8	Q	102	LMT	C4-C5-C6-C7
8	C	105	LMT	C5'-C4'-O1B-C1B
10	P	102	PGV	C29-C30-C31-C32
10	V	103	PGV	C2-C3-C4-C5
10	i	104	PGV	C25-C26-C27-C28
7	L	101	BCL	C3-C5-C6-C7
7	8	102	BCL	C4-C3-C5-C6
10	X	102	PGV	C29-C30-C31-C32
10	8	103	PGV	C31-C32-C33-C34
10	0	102	PGV	C29-C30-C31-C32
7	E	101	BCL	C2-C1-O2A-CGA
7	M	101	BCL	C2-C1-O2A-CGA
7	U	101	BCL	C2-C1-O2A-CGA
7	e	102	BCL	C2-C1-O2A-CGA
7	g	101	BCL	C2-C1-O2A-CGA
7	i	101	BCL	C2-C1-O2A-CGA
7	k	102	BCL	C2-C1-O2A-CGA
7	E	101	BCL	C2-C3-C5-C6
7	I	101	BCL	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
7	J	102	BCL	C2C-C3C-CAC-CBC
7	H	101	BCL	O1A-CGA-O2A-C1
7	E	101	BCL	C10-C11-C12-C13
10	0	102	PGV	O03-C19-C20-C21
7	C	101	BCL	C11-C12-C13-C14
7	b	103	BCL	C11-C12-C13-C14
7	i	101	BCL	C11-C10-C8-C9
7	H	101	BCL	CBA-CGA-O2A-C1
8	O	104	LMT	C7-C8-C9-C10
10	2	101	PGV	C2-C3-C4-C5
10	a	104	PGV	C26-C27-C28-C29
7	q	103	BCL	CBD-CGD-O2D-CED
7	0	101	BCL	O1A-CGA-O2A-C1
8	9	104	LMT	C6-C7-C8-C9
7	M	101	BCL	C2A-CAA-CBA-CGA
10	J	103	PGV	C2-C3-C4-C5
7	Z	102	BCL	C4C-C3C-CAC-CBC
7	S	101	BCL	C16-C17-C18-C19
10	D	102	PGV	O03-C19-C20-C21
8	5	104	LMT	O1'-C1-C2-C3
8	A	102	LMT	C7-C8-C9-C10
8	O	104	LMT	C1-C2-C3-C4
7	a	102	BCL	C16-C17-C18-C19
7	g	102	BCL	C16-C17-C18-C19
7	k	103	BCL	C16-C17-C18-C19
10	e	104	PGV	O01-C02-C03-O11
7	0	101	BCL	CBA-CGA-O2A-C1
10	L	102	PGV	C22-C23-C24-C25
10	e	105	PGV	O02-C1-O01-C02
8	7	102	LMT	C4-C5-C6-C7
10	R	103	PGV	C6-C7-C8-C9
8	1	104	LMT	C7-C8-C9-C10
7	B	102	BCL	C4-C3-C5-C6
7	F	102	BCL	C4-C3-C5-C6
7	N	102	BCL	C4-C3-C5-C6
7	V	102	BCL	C4-C3-C5-C6
7	Y	101	BCL	C4-C3-C5-C6
7	Z	102	BCL	C4-C3-C5-C6
7	4	102	BCL	C4-C3-C5-C6
9	J	101	CRT	C37-C38-O2-C2M
10	o	105	PGV	C26-C27-C28-C29
7	H	101	BCL	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
7	1	102	BCL	C11-C12-C13-C15
7	3	101	BCL	C2-C3-C5-C6
7	a	102	BCL	C6-C7-C8-C10
7	f	103	BCL	C6-C7-C8-C10
8	5	104	LMT	C9-C10-C11-C12
7	a	102	BCL	C15-C16-C17-C18
7	i	102	BCL	C16-C17-C18-C19
8	1	105	LMT	C6-C7-C8-C9
10	T	102	PGV	C29-C30-C31-C32
10	k	104	PGV	O03-C01-C02-O01
10	q	104	PGV	O03-C01-C02-O01
10	a	103	PGV	C22-C23-C24-C25
7	W	102	BCL	C3-C5-C6-C7
10	T	102	PGV	O01-C1-C2-C3
7	1	101	BCL	C16-C17-C18-C20
10	q	105	PGV	C2-C1-O01-C02
8	W	103	LMT	C9-C10-C11-C12
10	V	103	PGV	C6-C7-C8-C9
7	j	102	BCL	O1D-CGD-O2D-CED
7	R	102	BCL	C4-C3-C5-C6
7	U	101	BCL	C4-C3-C5-C6
8	9	104	LMT	C7-C8-C9-C10
7	B	102	BCL	C11-C10-C8-C9
7	B	102	BCL	C11-C12-C13-C14
7	C	102	BCL	C11-C12-C13-C14
7	F	102	BCL	C11-C10-C8-C9
7	O	102	BCL	C11-C12-C13-C14
7	S	102	BCL	C11-C12-C13-C14
7	V	102	BCL	C11-C12-C13-C14
7	4	102	BCL	C11-C10-C8-C9
7	5	102	BCL	C11-C12-C13-C14
7	8	102	BCL	C11-C10-C8-C9
7	a	102	BCL	C6-C7-C8-C9
7	c	102	BCL	C6-C7-C8-C9
7	g	102	BCL	C6-C7-C8-C9
7	k	102	BCL	C11-C10-C8-C9
8	O	104	LMT	C11-C10-C9-C8
8	9	104	LMT	C11-C10-C9-C8
7	7	101	BCL	C3A-C2A-CAA-CBA
7	i	101	BCL	C15-C16-C17-C18
7	j	102	BCL	CBD-CGD-O2D-CED
10	N	103	PGV	C2-C3-C4-C5

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Mol	Chain	Res	Type	Atoms
7	C	102	BCL	CAD-CBD-CGD-O2D
7	S	102	BCL	CAD-CBD-CGD-O2D
7	W	102	BCL	CAD-CBD-CGD-O2D
7	1	102	BCL	CAD-CBD-CGD-O2D
7	5	102	BCL	CAD-CBD-CGD-O2D
7	g	102	BCL	CAD-CBD-CGD-O2D
7	i	102	BCL	CAD-CBD-CGD-O2D
7	q	103	BCL	CAD-CBD-CGD-O2D
7	3	101	BCL	C16-C17-C18-C19
8	G	104	LMT	C4-C5-C6-C7
7	K	102	BCL	C3-C5-C6-C7
10	c	104	PGV	O02-C1-O01-C02
7	6	101	BCL	C2-C1-O2A-CGA
10	L	102	PGV	O01-C1-C2-C3
10	P	102	PGV	O01-C1-C2-C3
10	F	103	PGV	C6-C7-C8-C9
10	H	102	PGV	C25-C26-C27-C28
7	A	101	BCL	C4-C3-C5-C6
7	J	102	BCL	C4-C3-C5-C6
7	M	101	BCL	C4-C3-C5-C6
7	1	102	BCL	C4-C3-C5-C6
7	7	101	BCL	C4-C3-C5-C6
7	9	101	BCL	C16-C17-C18-C20
7	5	102	BCL	C3-C5-C6-C7
7	A	101	BCL	C2-C3-C5-C6
7	M	101	BCL	C2-C3-C5-C6
7	7	101	BCL	C2-C3-C5-C6
10	2	103	PGV	O01-C1-C2-C3
10	6	102	PGV	O01-C1-C2-C3
10	F	103	PGV	C2-C3-C4-C5
9	N	101	CRT	C15-C16-C17-C19
10	P	102	PGV	C1-C2-C3-C4
10	e	104	PGV	O03-C01-C02-C03
10	6	102	PGV	C20-C19-O03-C01
8	1	104	LMT	C6-C7-C8-C9
10	D	102	PGV	O01-C1-C2-C3
10	0	102	PGV	O01-C1-C2-C3
8	E	102	LMT	C4B-C5B-C6B-O6B
10	e	105	PGV	C26-C27-C28-C29
8	E	102	LMT	C7-C8-C9-C10
8	K	104	LMT	C6-C7-C8-C9
7	D	101	BCL	O2A-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
7	H	101	BCL	O2A-C1-C2-C3
7	P	101	BCL	O2A-C1-C2-C3
7	T	101	BCL	O2A-C1-C2-C3
7	X	101	BCL	O2A-C1-C2-C3
7	2	102	BCL	O2A-C1-C2-C3
7	6	101	BCL	O2A-C1-C2-C3
7	0	101	BCL	O2A-C1-C2-C3
8	K	104	LMT	O1'-C1-C2-C3
7	1	102	BCL	CAA-CBA-CGA-O2A
10	m	105	PGV	C11-C12-C13-C14
10	2	101	PGV	C6-C7-C8-C9
10	4	103	PGV	C6-C7-C8-C9
7	U	101	BCL	C2-C3-C5-C6
7	Y	101	BCL	C2-C3-C5-C6
8	M	102	LMT	C7-C8-C9-C10
8	Q	102	LMT	O5B-C5B-C6B-O6B
10	c	103	PGV	C01-C02-C03-O11
10	e	104	PGV	C01-C02-C03-O11
7	C	102	BCL	CAA-CBA-CGA-O2A
7	c	102	BCL	CAA-CBA-CGA-O2A
7	k	103	BCL	CAA-CBA-CGA-O2A
10	N	103	PGV	O03-C19-C20-C21
10	R	103	PGV	O03-C19-C20-C21
10	X	102	PGV	O01-C1-C2-C3
10	2	101	PGV	O03-C19-C20-C21
10	4	103	PGV	C2-C3-C4-C5
10	e	104	PGV	C5-C6-C7-C8
10	P	102	PGV	O03-C01-C02-O01
10	6	102	PGV	C2-C3-C4-C5
10	e	104	PGV	C04-O12-P-O13
10	g	103	PGV	C04-O12-P-O13
10	i	103	PGV	C04-O12-P-O13
10	4	103	PGV	C22-C23-C24-C25
10	c	103	PGV	C5-C6-C7-C8
10	2	103	PGV	C25-C26-C27-C28
7	G	102	BCL	CAA-CBA-CGA-O2A
7	K	102	BCL	CAA-CBA-CGA-O2A
7	S	102	BCL	CAA-CBA-CGA-O2A
7	W	102	BCL	CAA-CBA-CGA-O2A
7	5	102	BCL	CAA-CBA-CGA-O2A
7	g	102	BCL	CAA-CBA-CGA-O2A
10	B	103	PGV	O03-C19-C20-C21

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Mol	Chain	Res	Type	Atoms
10	F	103	PGV	O03-C19-C20-C21
10	V	103	PGV	O03-C19-C20-C21
10	c	104	PGV	O03-C19-C20-C21
8	Y	102	LMT	C4-C5-C6-C7
10	P	102	PGV	C25-C26-C27-C28
10	2	103	PGV	C2-C3-C4-C5
8	O	103	LMT	C1-C2-C3-C4
10	e	105	PGV	C2-C1-O01-C02
7	9	102	BCL	CAA-CBA-CGA-O2A
7	o	103	BCL	CAA-CBA-CGA-O2A
10	P	102	PGV	O03-C19-C20-C21
8	G	105	LMT	C6-C7-C8-C9
10	8	103	PGV	C22-C23-C24-C25
7	V	102	BCL	C2-C3-C5-C6
7	e	102	BCL	C11-C10-C8-C7
7	e	103	BCL	C6-C7-C8-C10
7	g	102	BCL	C6-C7-C8-C10
7	k	103	BCL	C6-C7-C8-C10
8	W	103	LMT	C1-C2-C3-C4
7	G	101	BCL	C16-C17-C18-C20
7	J	102	BCL	C16-C17-C18-C19
7	N	102	BCL	C16-C17-C18-C19
7	Y	101	BCL	C16-C17-C18-C19
7	e	102	BCL	C16-C17-C18-C19
7	i	101	BCL	C16-C17-C18-C19
8	K	105	LMT	C5'-C4'-O1B-C1B
10	k	105	PGV	C11-C12-C13-C14
7	O	102	BCL	CAA-CBA-CGA-O2A
7	a	102	BCL	CAA-CBA-CGA-O2A
10	H	102	PGV	O01-C1-C2-C3
10	q	105	PGV	O03-C19-C20-C21
8	S	103	LMT	C9-C10-C11-C12
7	K	102	BCL	C11-C12-C13-C14
7	i	102	BCL	C6-C7-C8-C9
7	k	103	BCL	C6-C7-C8-C9
7	m	102	BCL	C11-C10-C8-C9
7	m	103	BCL	C6-C7-C8-C9
7	q	103	BCL	C6-C7-C8-C9
10	0	102	PGV	C2-C3-C4-C5
7	m	103	BCL	C16-C17-C18-C19
7	O	102	BCL	C3-C5-C6-C7
7	S	102	BCL	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
10	6	102	PGV	O04-C19-O03-C01
10	m	105	PGV	C2-C1-O01-C02
9	q	101	CRT	C36-C37-C38-O2
8	5	103	LMT	C9-C10-C11-C12
10	8	103	PGV	C2-C3-C4-C5
10	c	103	PGV	C22-C23-C24-C25
10	0	102	PGV	O02-C1-C2-C3
8	U	102	LMT	O5B-C5B-C6B-O6B
10	4	103	PGV	O03-C19-C20-C21
10	8	103	PGV	O03-C19-C20-C21
10	B	103	PGV	C6-C7-C8-C9
10	T	102	PGV	O02-C1-C2-C3
9	R	101	CRT	C5-C6-C7-C9
9	4	101	CRT	C5-C6-C7-C9
7	7	101	BCL	C1A-C2A-CAA-CBA
8	9	103	LMT	C9-C10-C11-C12
10	P	102	PGV	O02-C1-C2-C3
10	6	102	PGV	O02-C1-C2-C3
10	o	105	PGV	C11-C12-C13-C14
7	q	102	BCL	C2-C1-O2A-CGA
10	k	105	PGV	C14-C15-C16-C17
10	L	102	PGV	O02-C1-C2-C3
10	2	103	PGV	O02-C1-C2-C3
10	B	103	PGV	C25-C26-C27-C28
10	q	104	PGV	C22-C23-C24-C25
10	o	104	PGV	O03-C01-C02-C03
8	d	101	LMT	C3-C4-C5-C6
10	0	102	PGV	C25-C26-C27-C28
7	C	101	BCL	C16-C17-C18-C20
7	W	101	BCL	C16-C17-C18-C20
7	c	102	BCL	C16-C17-C18-C19
10	i	104	PGV	C26-C27-C28-C29
7	G	102	BCL	CAA-CBA-CGA-O1A
7	K	102	BCL	CAA-CBA-CGA-O1A
7	S	102	BCL	CAA-CBA-CGA-O1A
10	H	102	PGV	O02-C1-C2-C3
10	X	102	PGV	C31-C32-C33-C34
10	c	104	PGV	C11-C12-C13-C14
10	g	104	PGV	C11-C12-C13-C14
10	q	105	PGV	C11-C12-C13-C14
10	D	102	PGV	C03-O11-P-O13
10	P	102	PGV	C03-O11-P-O13

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Mol	Chain	Res	Type	Atoms
10	T	102	PGV	C03-O11-P-O13
10	2	103	PGV	C03-O11-P-O13
10	2	101	PGV	C22-C23-C24-C25
7	W	102	BCL	CAA-CBA-CGA-O1A
8	Q	102	LMT	O5'-C1'-O1'-C1
7	q	103	BCL	C15-C16-C17-C18
7	C	102	BCL	CAA-CBA-CGA-O1A
7	1	102	BCL	CAA-CBA-CGA-O1A
10	D	102	PGV	O02-C1-C2-C3
10	F	103	PGV	O04-C19-C20-C21
10	c	104	PGV	C23-C24-C25-C26
10	J	103	PGV	O03-C19-C20-C21
7	5	101	BCL	C10-C11-C12-C13
10	g	103	PGV	C25-C26-C27-C28
7	O	102	BCL	CAA-CBA-CGA-O1A
7	a	102	BCL	CAA-CBA-CGA-O1A
8	S	105	LMT	C5-C6-C7-C8
8	C	103	LMT	C9-C10-C11-C12
8	f	102	LMT	C3-C4-C5-C6
10	R	103	PGV	C22-C23-C24-C25
10	X	102	PGV	C2-C3-C4-C5
7	m	103	BCL	CAA-CBA-CGA-O2A
8	E	102	LMT	O5B-C5B-C6B-O6B
8	5	103	LMT	O5B-C5B-C6B-O6B
7	5	102	BCL	CAA-CBA-CGA-O1A
10	c	104	PGV	C2-C1-O01-C02
8	G	104	LMT	C7-C8-C9-C10
10	6	102	PGV	C24-C25-C26-C27
7	E	101	BCL	CAD-CBD-CGD-O1D
7	G	101	BCL	CAD-CBD-CGD-O1D
7	c	102	BCL	CAA-CBA-CGA-O1A
7	g	102	BCL	CAA-CBA-CGA-O1A
10	N	103	PGV	O04-C19-C20-C21
10	R	103	PGV	O04-C19-C20-C21
10	q	105	PGV	C23-C24-C25-C26
7	e	103	BCL	C6-C7-C8-C9
8	C	104	LMT	C7-C8-C9-C10
8	U	102	LMT	C4-C5-C6-C7
10	L	102	PGV	C25-C26-C27-C28
10	X	102	PGV	O02-C1-C2-C3
10	q	105	PGV	O04-C19-C20-C21
10	F	103	PGV	C22-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
10	a	104	PGV	C11-C12-C13-C14
10	i	104	PGV	C11-C12-C13-C14
7	7	101	BCL	C16-C17-C18-C19
7	e	103	BCL	CAA-CBA-CGA-O2A
7	i	102	BCL	CAA-CBA-CGA-O2A
10	c	104	PGV	C26-C27-C28-C29
8	S	103	LMT	O1'-C1-C2-C3
10	N	103	PGV	C20-C21-C22-C23
10	N	103	PGV	C31-C32-C33-C34
7	9	102	BCL	CAA-CBA-CGA-O1A
7	k	103	BCL	CAA-CBA-CGA-O1A
10	o	105	PGV	C25-C26-C27-C28
7	q	103	BCL	CAA-CBA-CGA-O2A
10	L	102	PGV	O03-C19-C20-C21
7	o	103	BCL	CAA-CBA-CGA-O1A
10	B	103	PGV	O04-C19-C20-C21
10	2	101	PGV	O04-C19-C20-C21
10	c	104	PGV	O04-C19-C20-C21
10	N	103	PGV	C13-C14-C15-C16
7	C	101	BCL	C2C-C3C-CAC-CBC
7	D	101	BCL	C12-C13-C15-C16
7	G	101	BCL	C2C-C3C-CAC-CBC
7	V	102	BCL	C2C-C3C-CAC-CBC
7	2	102	BCL	C2C-C3C-CAC-CBC
7	8	102	BCL	C2C-C3C-CAC-CBC
7	c	101	BCL	C11-C10-C8-C7
7	m	103	BCL	C6-C7-C8-C10
7	n	102	BCL	C6-C7-C8-C10
7	o	102	BCL	C11-C10-C8-C7
7	o	103	BCL	C6-C7-C8-C10
7	i	102	BCL	CAA-CBA-CGA-O1A
10	X	102	PGV	O03-C19-C20-C21
9	F	101	CRT	C5-C6-C7-C9
9	J	101	CRT	C5-C6-C7-C9
9	N	101	CRT	C5-C6-C7-C9
10	J	103	PGV	O04-C19-C20-C21
10	V	103	PGV	O04-C19-C20-C21
10	g	103	PGV	C5-C6-C7-C8
10	o	105	PGV	C14-C15-C16-C17
7	O	101	BCL	C16-C17-C18-C20
8	G	104	LMT	C2-C1-O1'-C1'
8	O	104	LMT	C2-C1-O1'-C1'

Continued on next page...

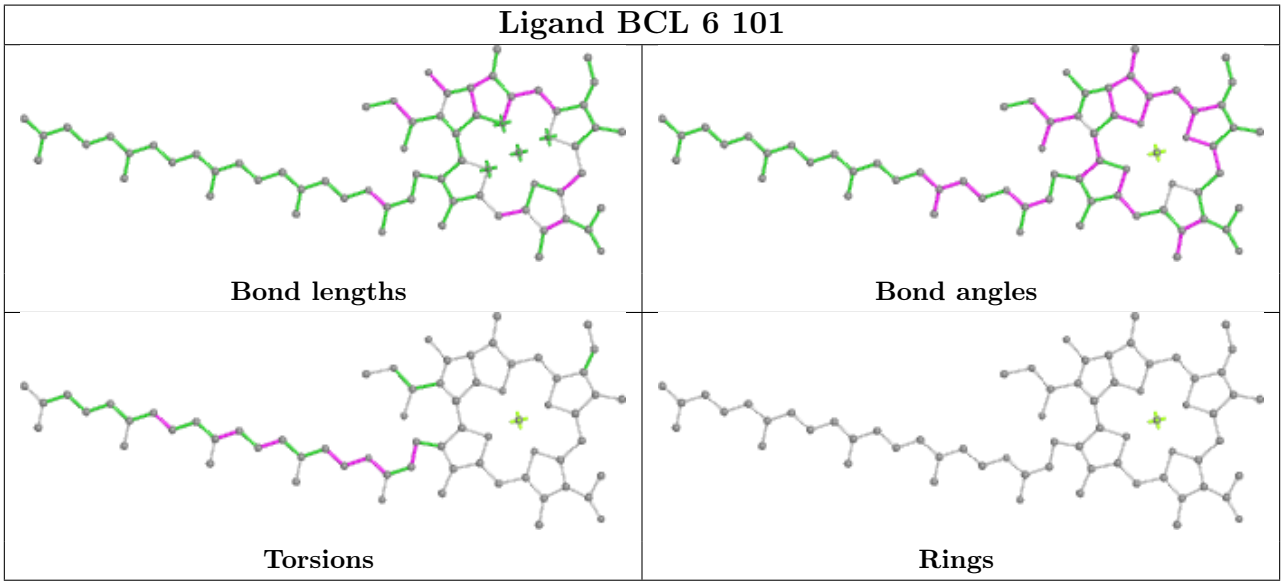
Continued from previous page...

Mol	Chain	Res	Type	Atoms
10	2	103	PGV	O03-C19-C20-C21
8	1	105	LMT	C2-C3-C4-C5
7	e	103	BCL	CAA-CBA-CGA-O1A
10	4	103	PGV	O04-C19-C20-C21
10	8	103	PGV	O04-C19-C20-C21
8	W	105	LMT	C5-C6-C7-C8
10	c	104	PGV	C24-C25-C26-C27
7	9	102	BCL	C15-C16-C17-C18
7	q	103	BCL	CAA-CBA-CGA-O1A
7	m	103	BCL	CAA-CBA-CGA-O1A
8	G	105	LMT	C2-C3-C4-C5

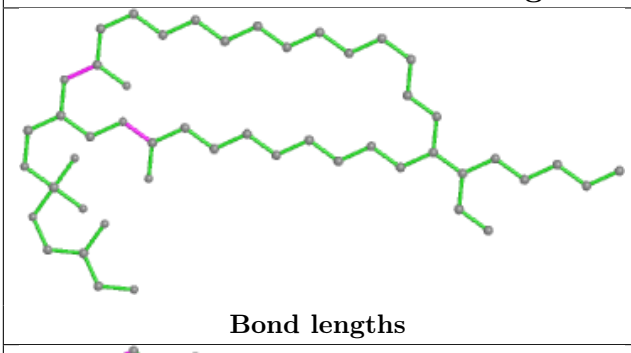
There are no ring outliers.

No monomer is involved in short contacts.

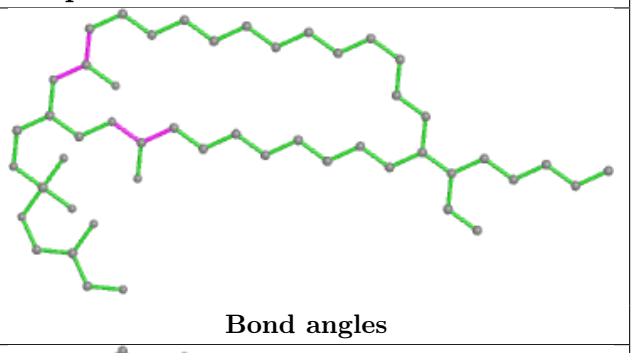
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included.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



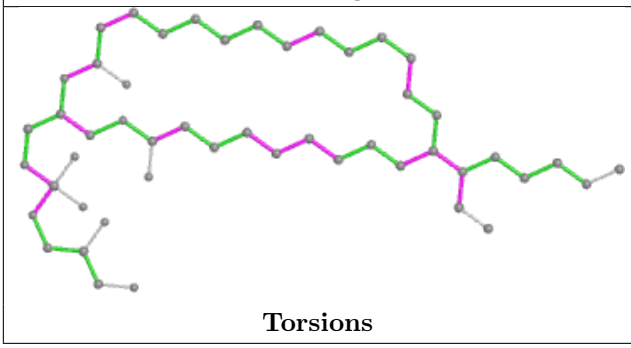
Ligand PGV q 105



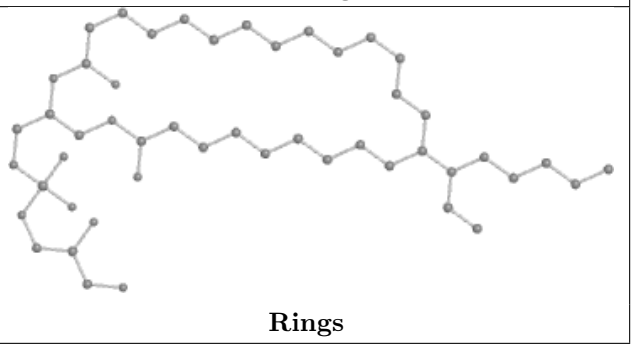
Bond lengths



Bond angles

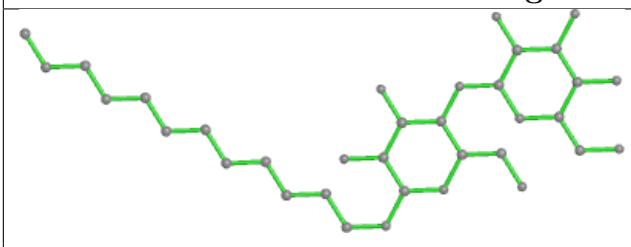


Torsions

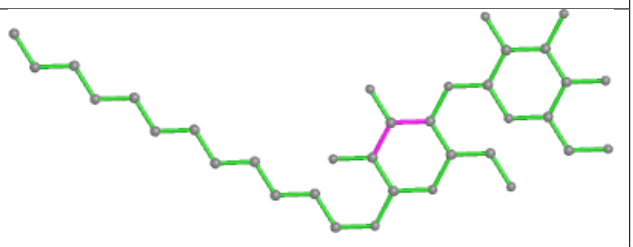


Rings

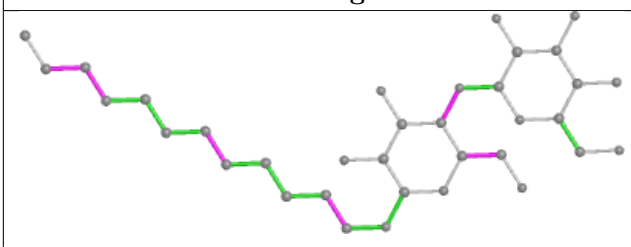
Ligand LMT 9 103



Bond lengths



Bond angles



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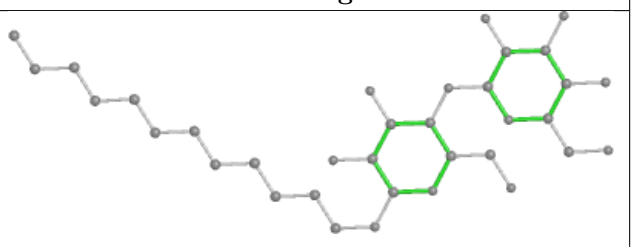
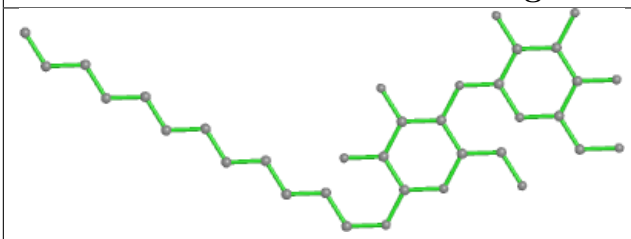
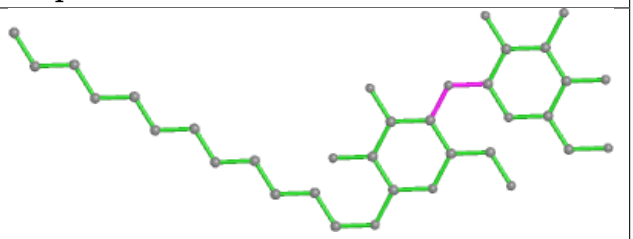


Rings

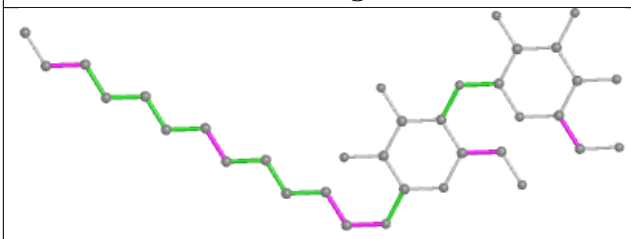
Ligand LMT p 101



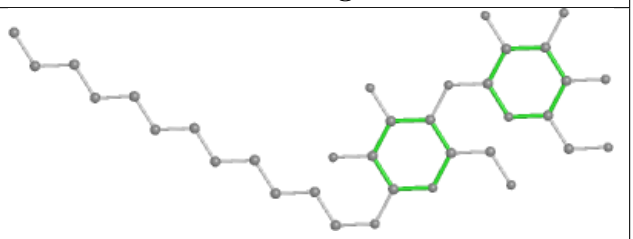
Bond lengths



Bond angles

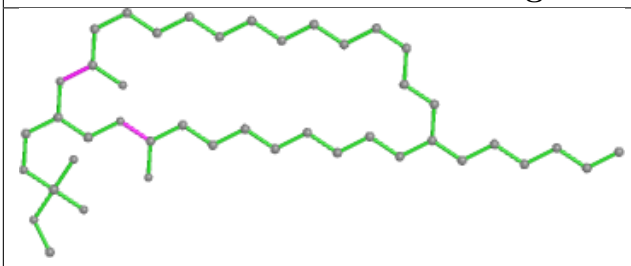


Torsions



Rings

Ligand PGV 4 103



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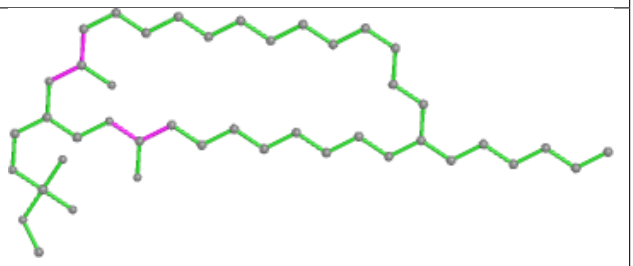
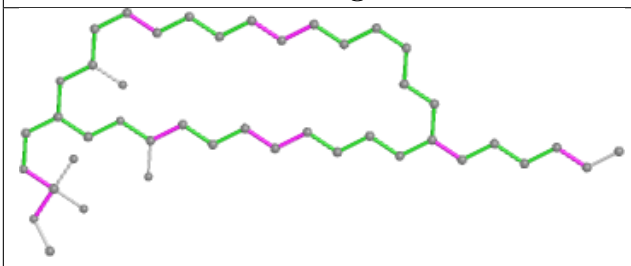
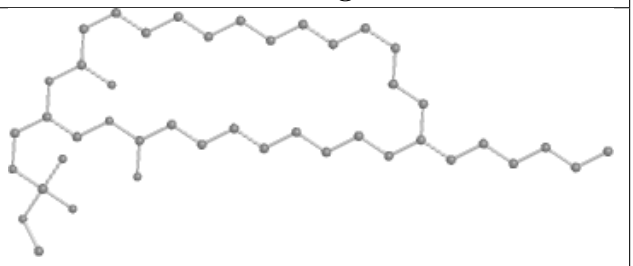


Bond angles

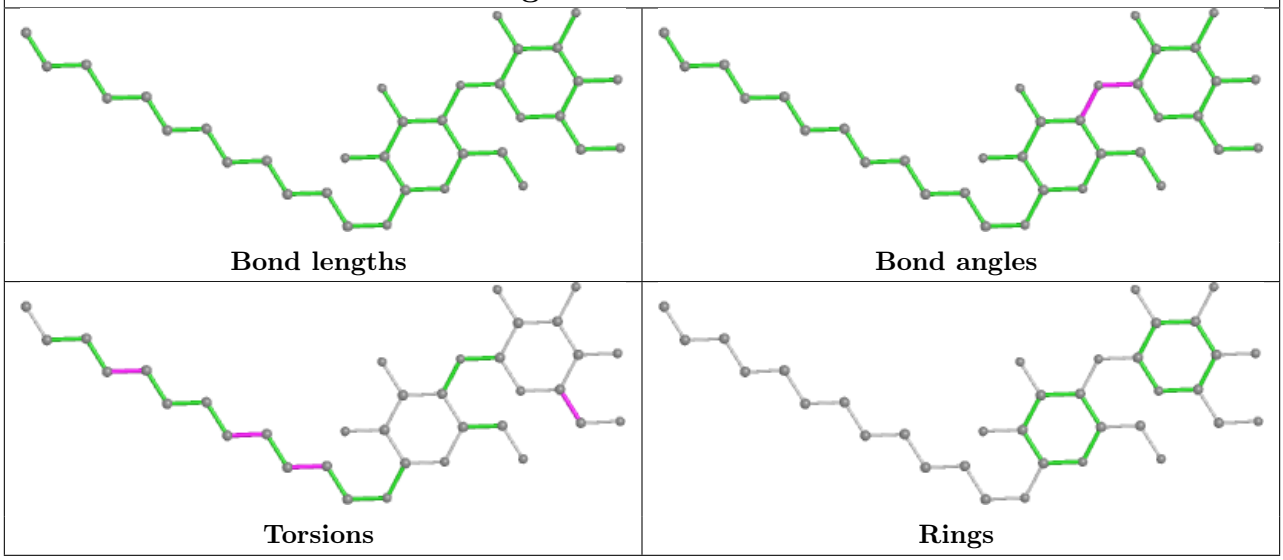


Torsions

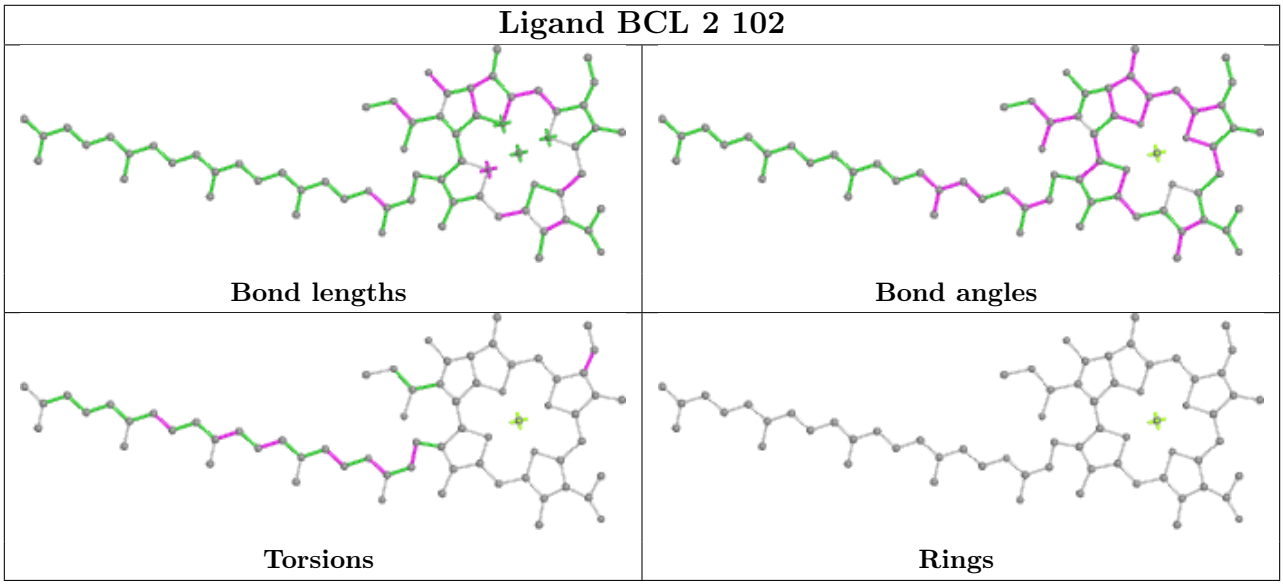


Rings

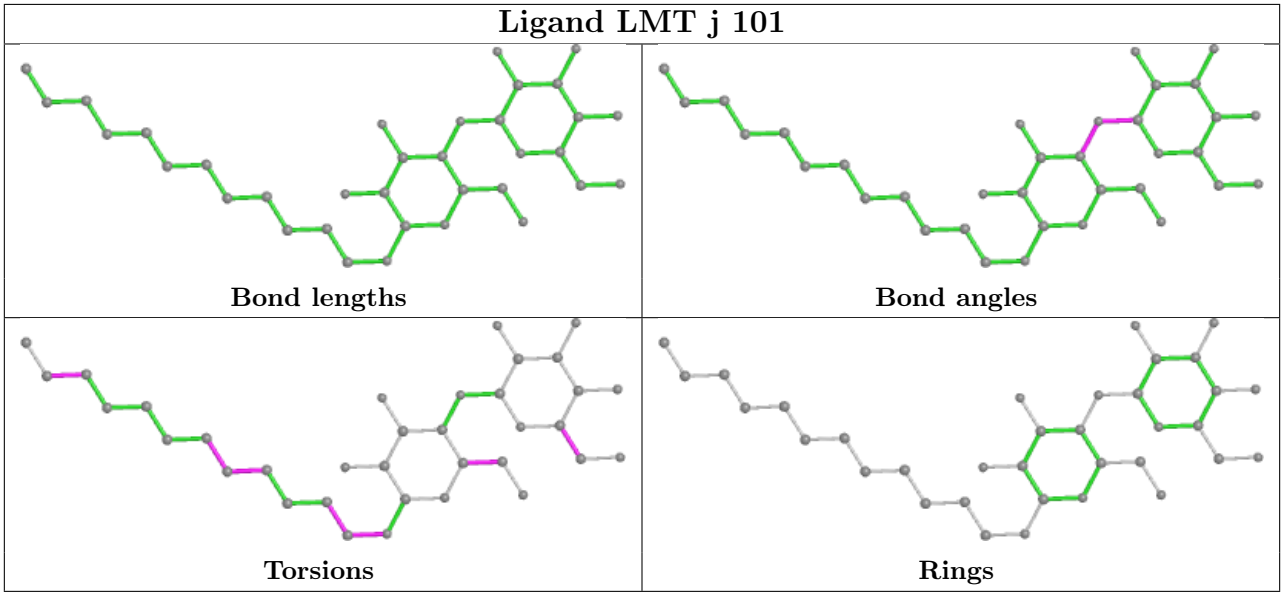
Ligand LMT A 102



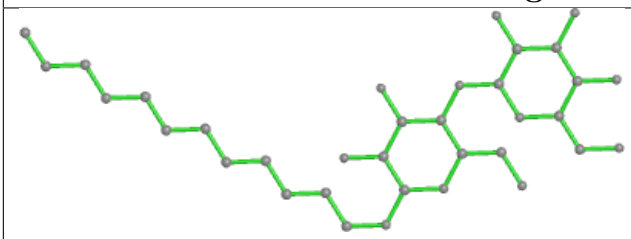
Ligand BCL 2 102



Ligand LMT j 101



Ligand LMT 1 103



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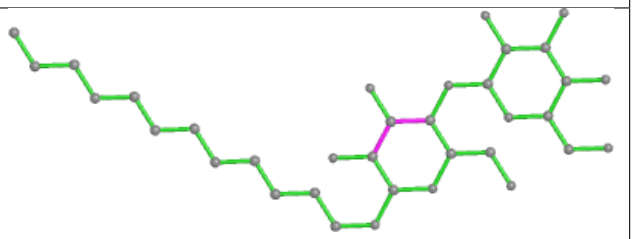

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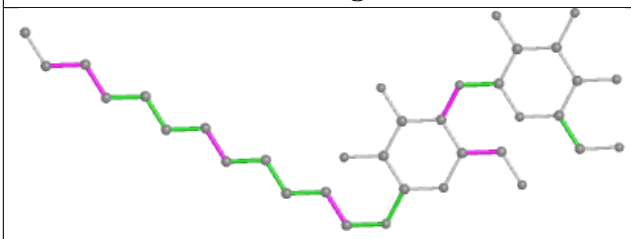

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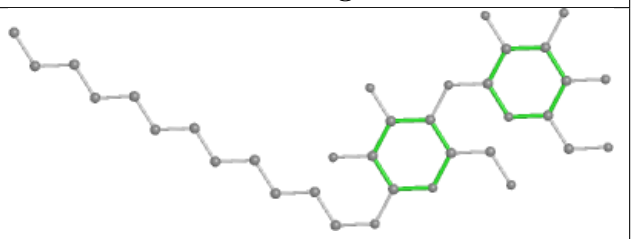
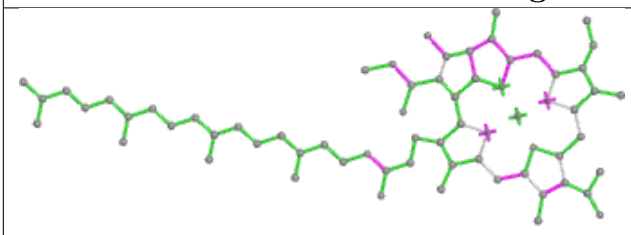


Rings

Ligand BCL 5 102



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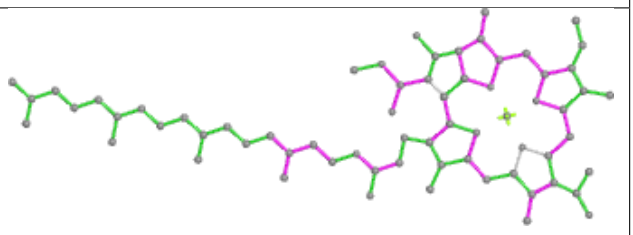
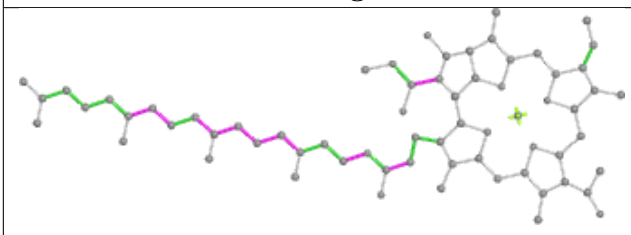


Bond angles



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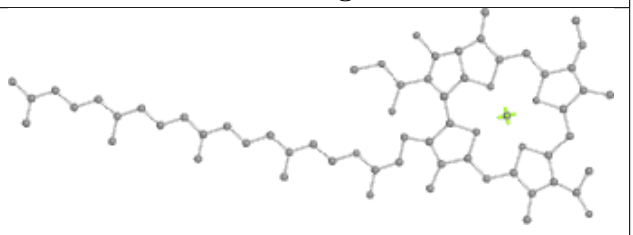
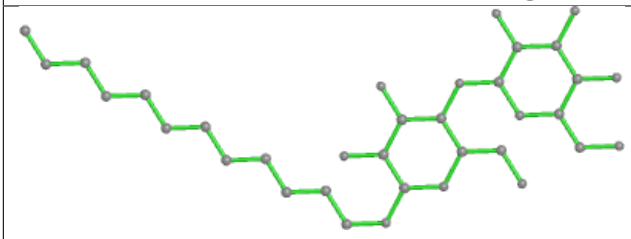


Rings

Ligand LMT C 104



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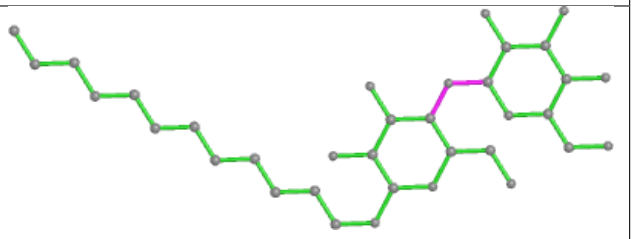
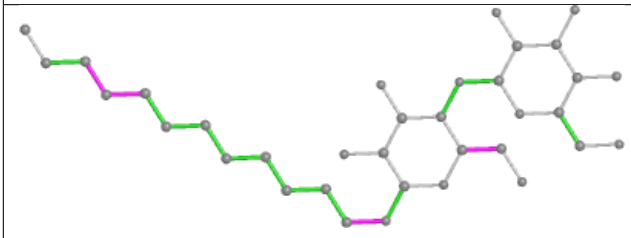


Bond angles



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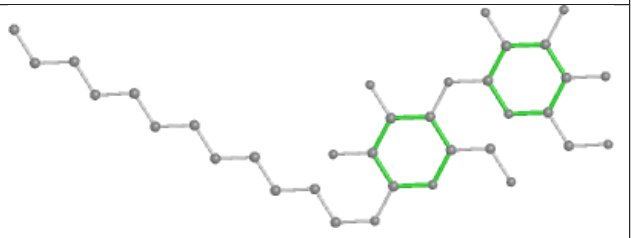
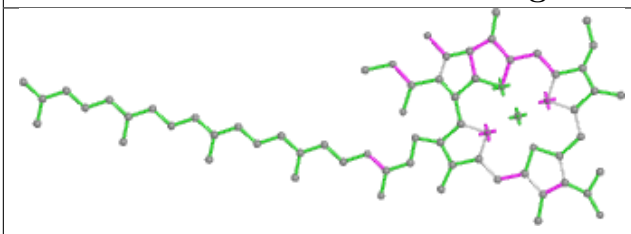
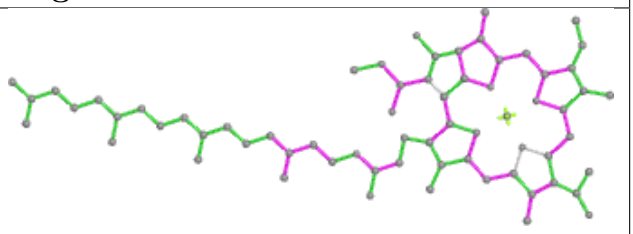


Rings

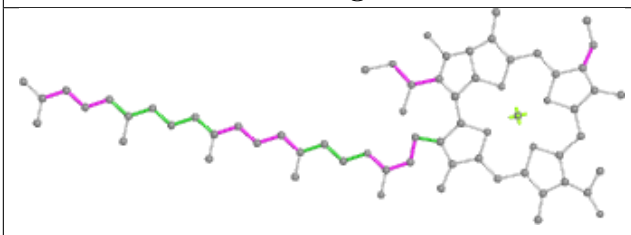
Ligand BCL g 102



Bond lengths



Bond angles



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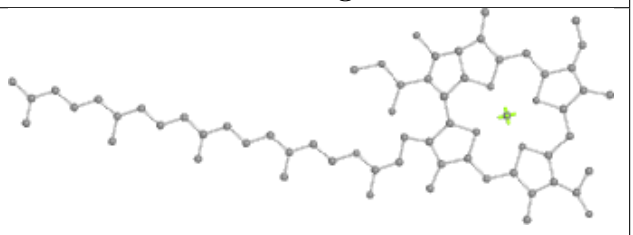
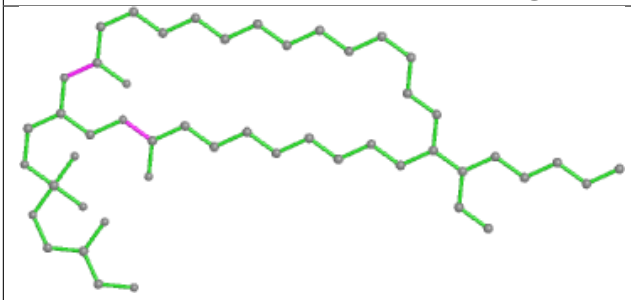
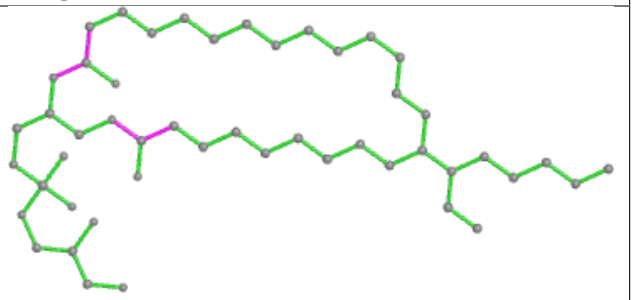


Rings

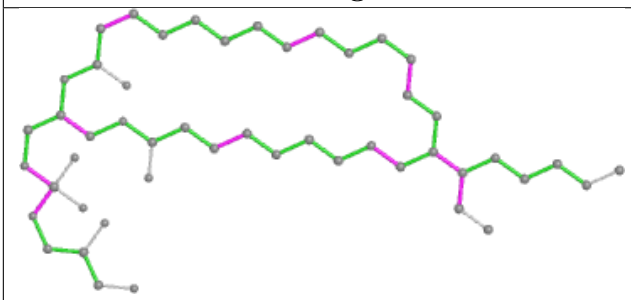
Ligand PGV g 104



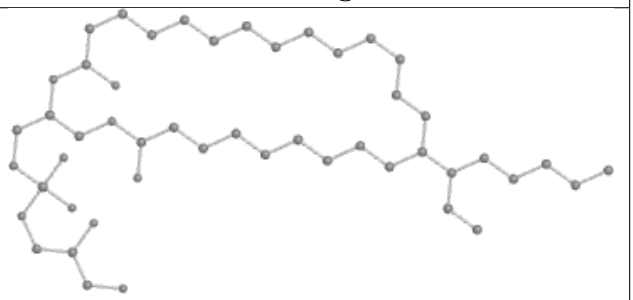
Bond lengths



Bond angles

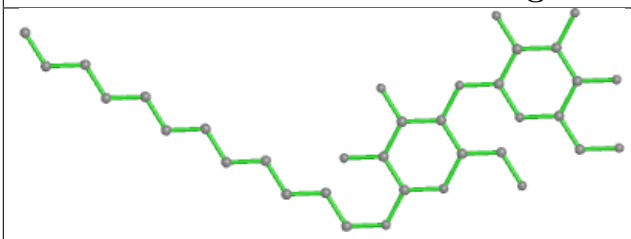


Torsions



Rings

Ligand LMT r 101



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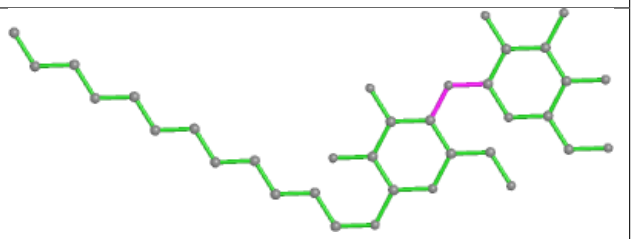
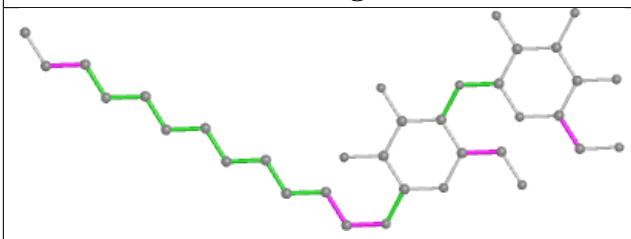
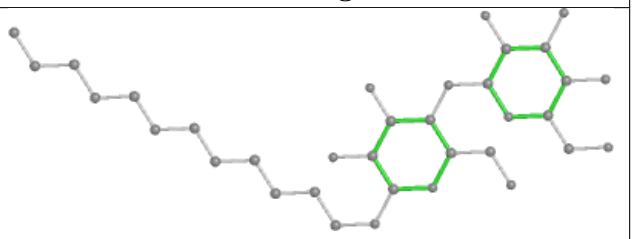


Bond angles

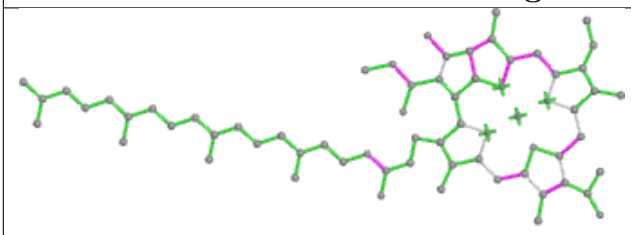


Torsions

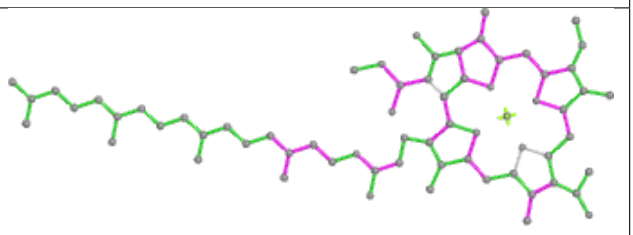


Rings

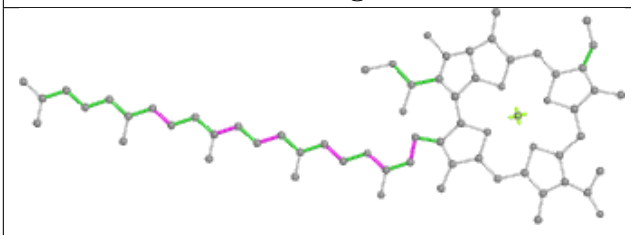
Ligand BCL X 101



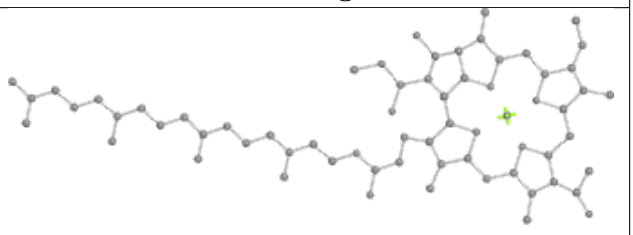
Bond lengths



Bond angles

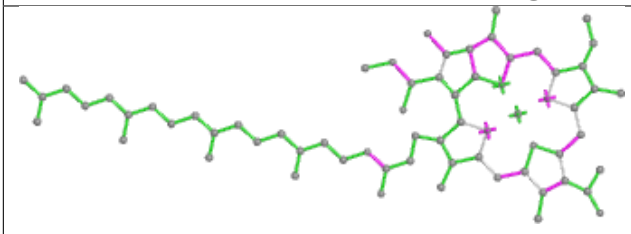


Torsions

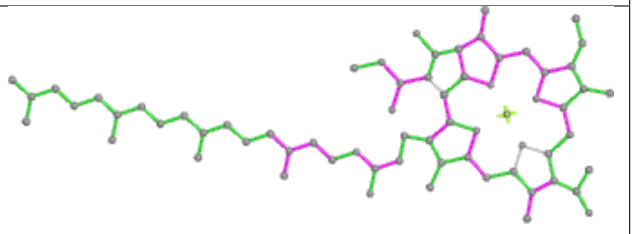


Rings

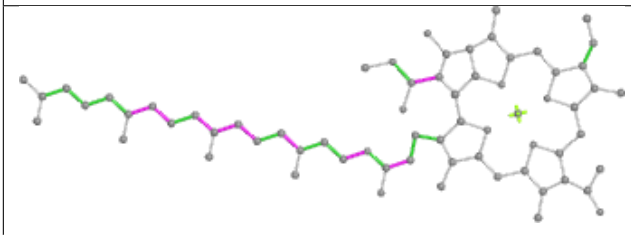
Ligand BCL C 102



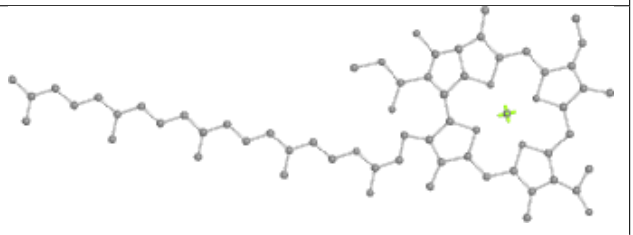
Bond lengths



Bond angles

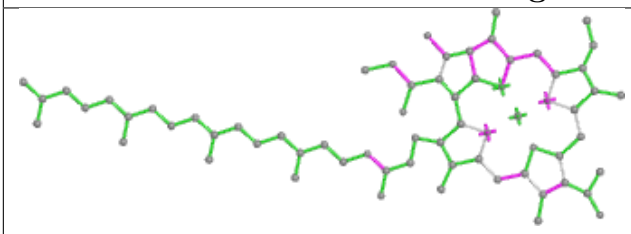


Torsions

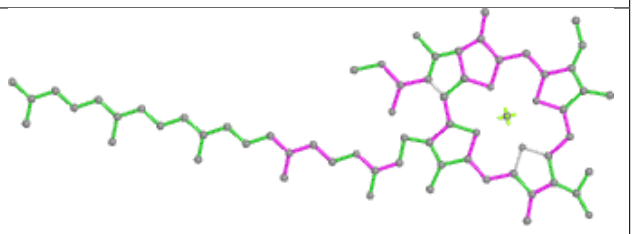


Rings

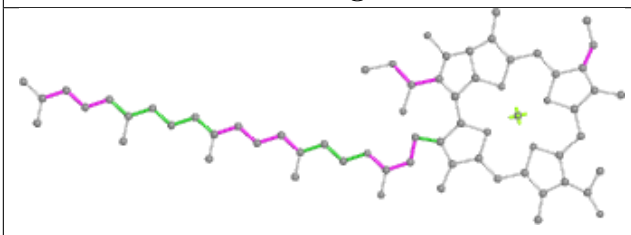
Ligand BCL k 103



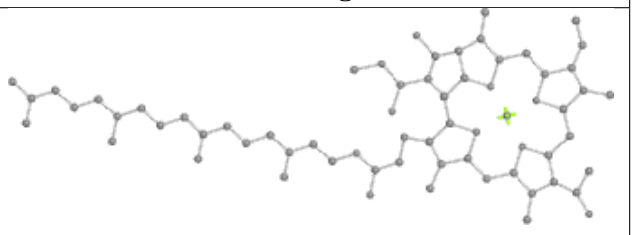
Bond lengths



Bond angles

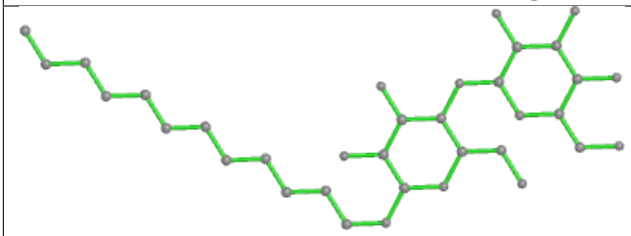


Torsions

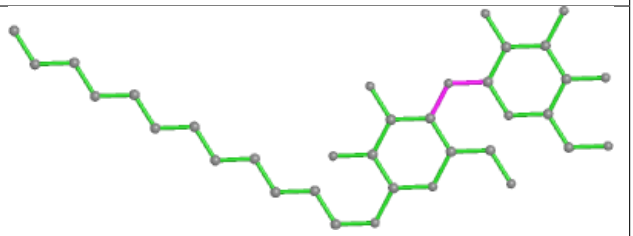


Rings

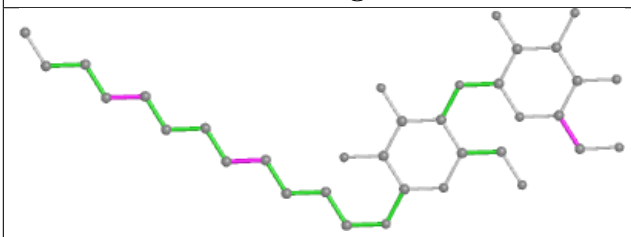
Ligand LMT 3 102



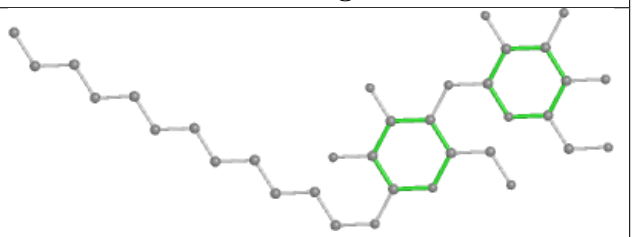
Bond lengths



Bond angles

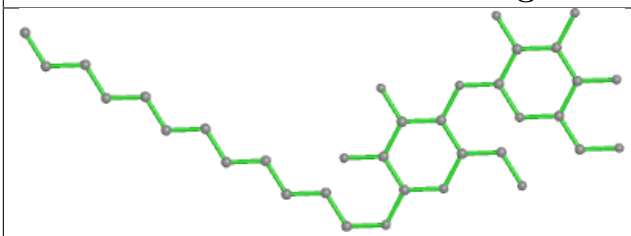


Torsions



Rings

Ligand LMT M 102



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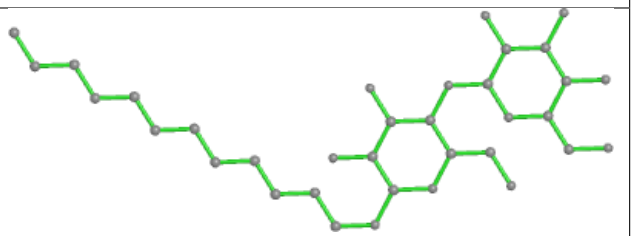
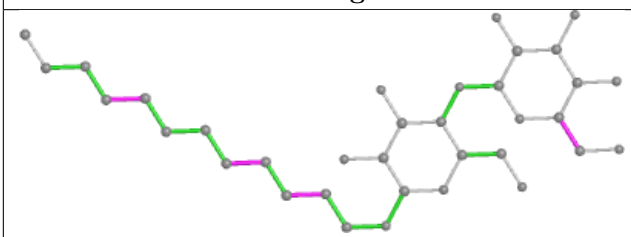


Bond angles



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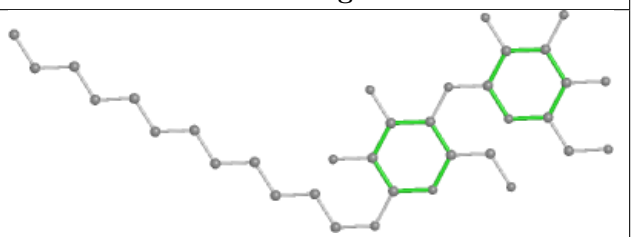
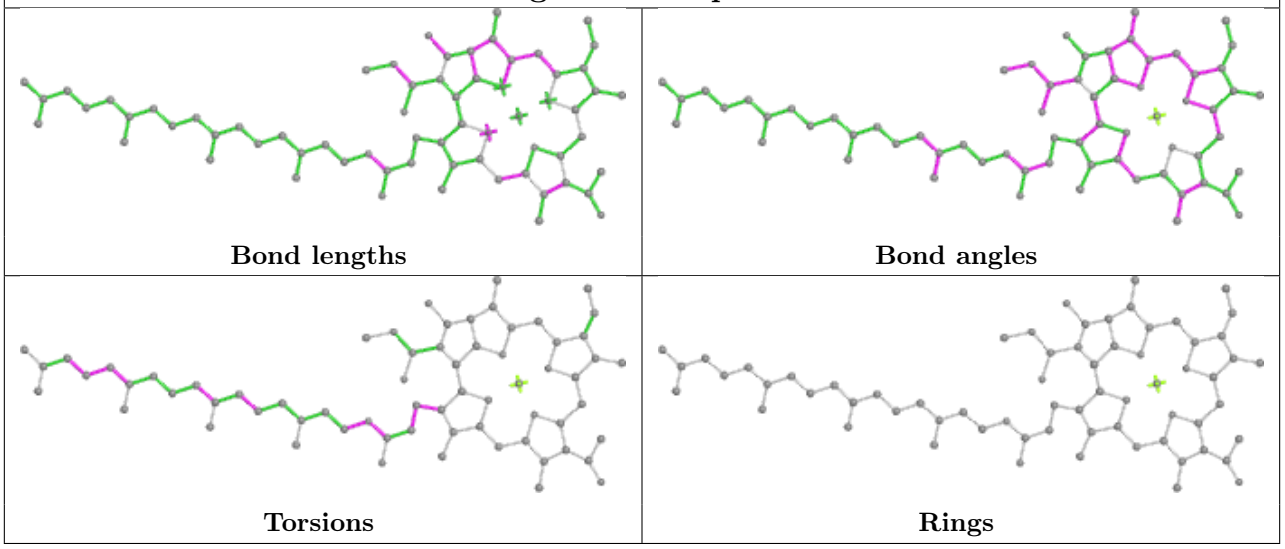
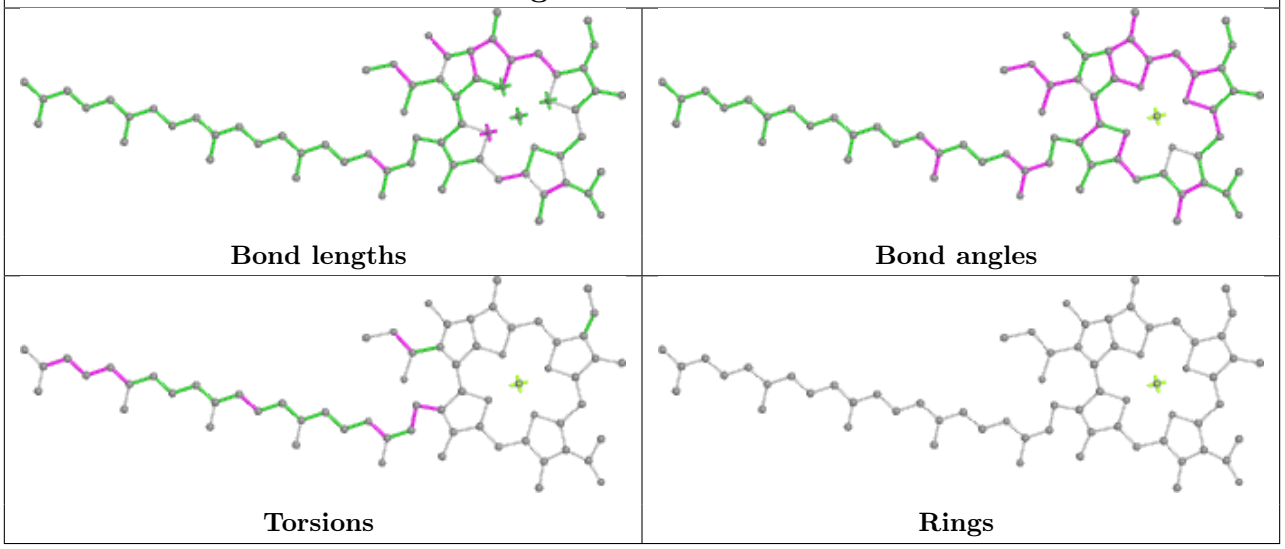


Rings

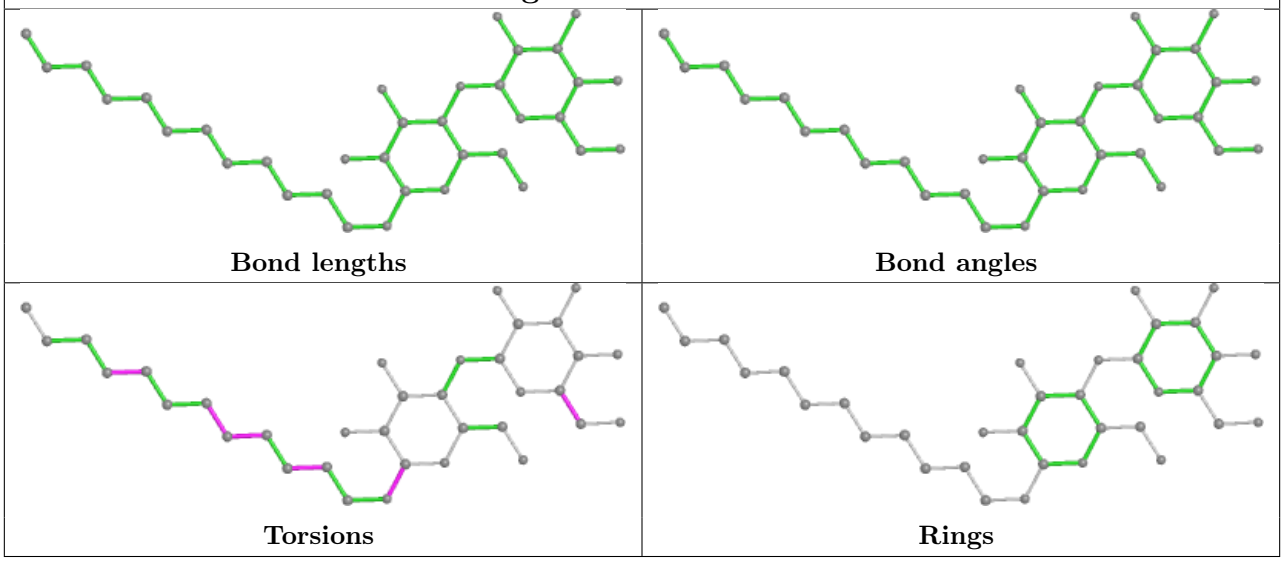
Ligand BCL q 102



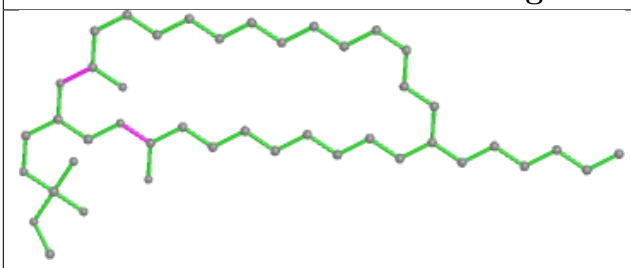
Ligand BCL a 101



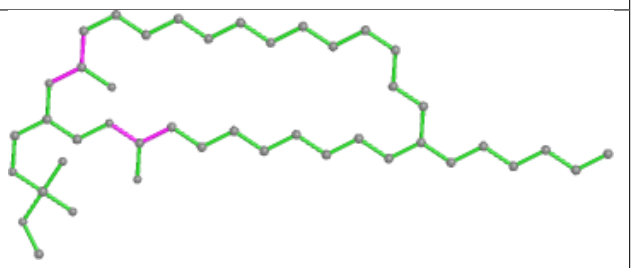
Ligand LMT Y 102



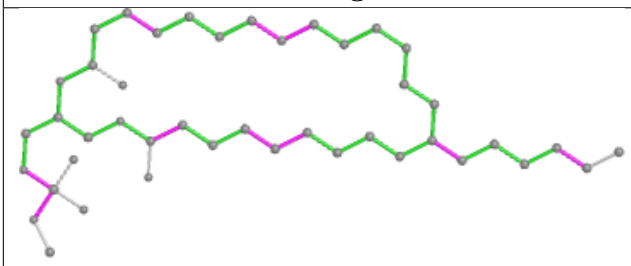
Ligand PGV 2 101



Bond lengths



Bond angles



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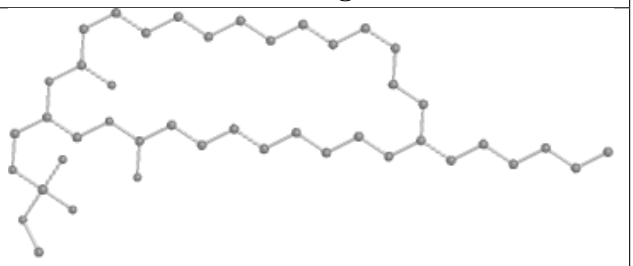
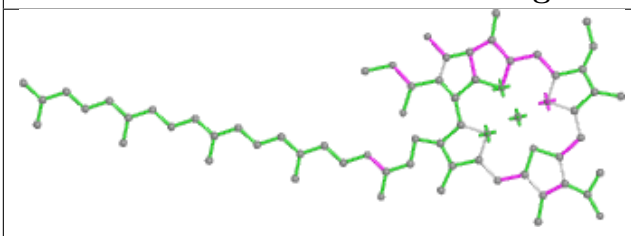


Rings

Ligand BCL l 102



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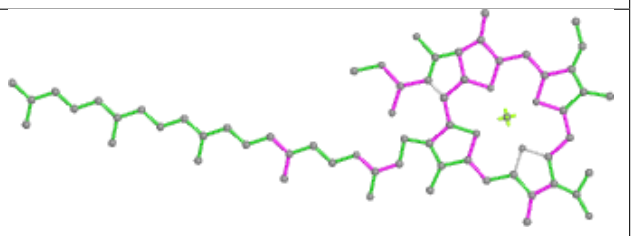
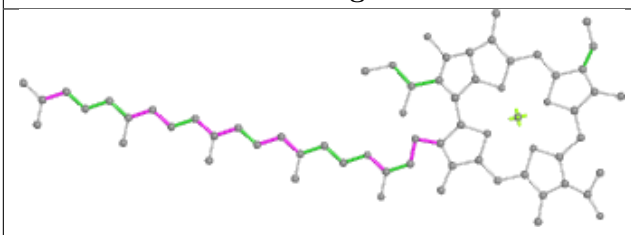


Bond angles



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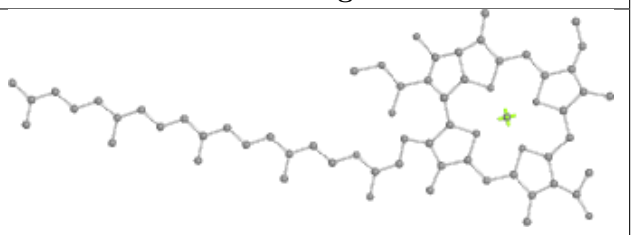
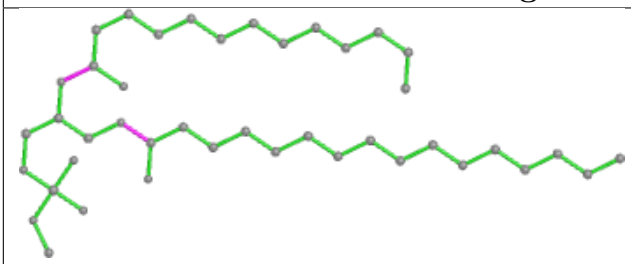


Rings

Ligand PGV m 104



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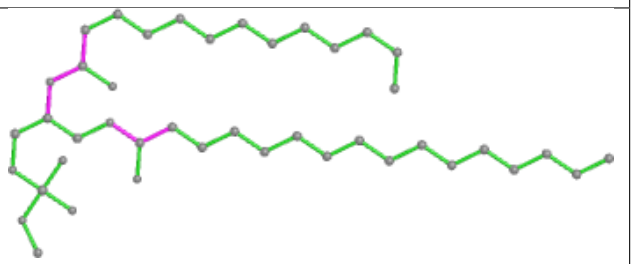
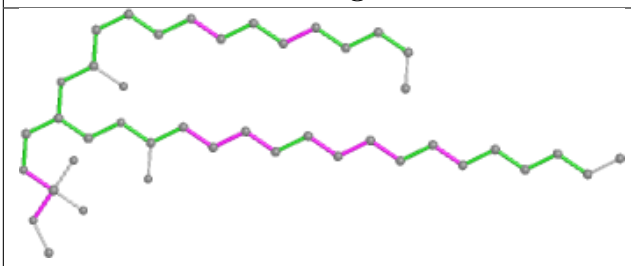


Bond angles



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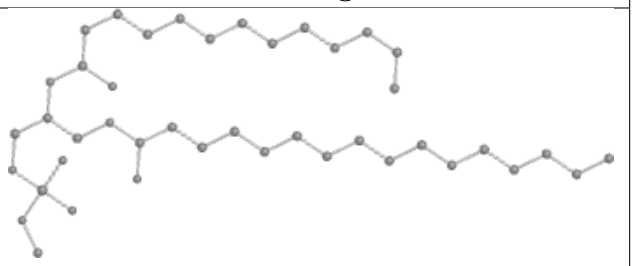
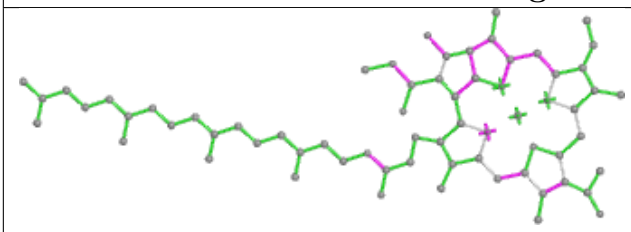


Rings

Ligand BCL 5 101



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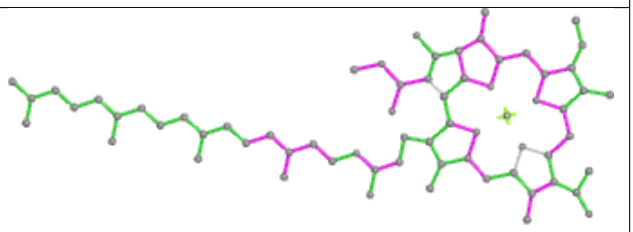

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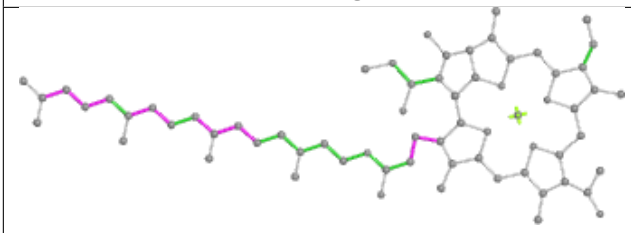

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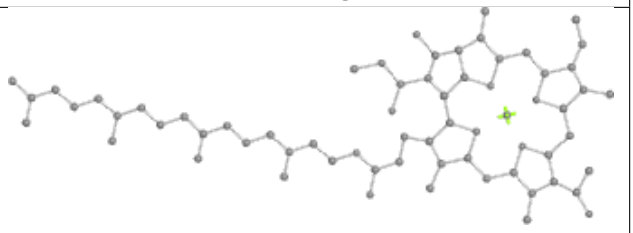
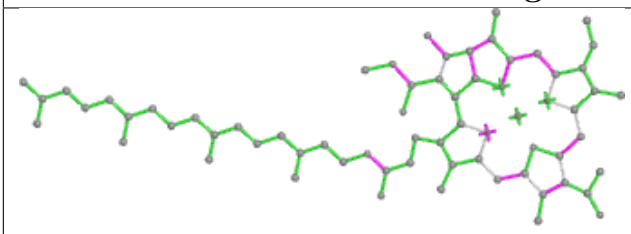


Rings

Ligand BCL V 102



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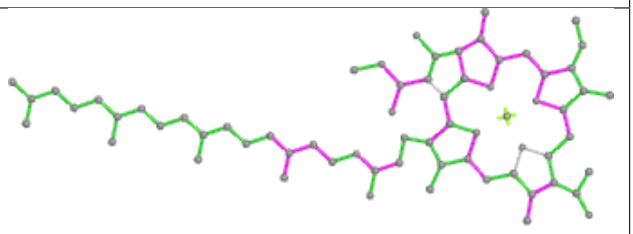
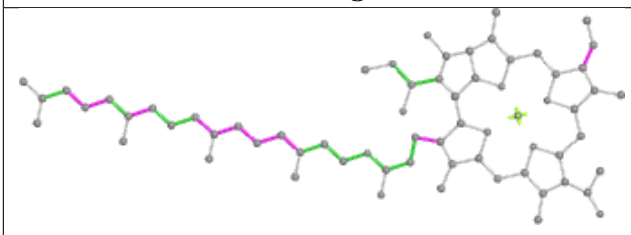


Bond angles



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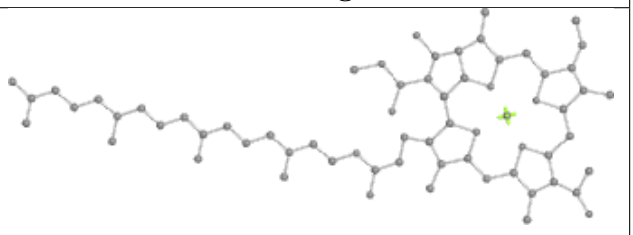
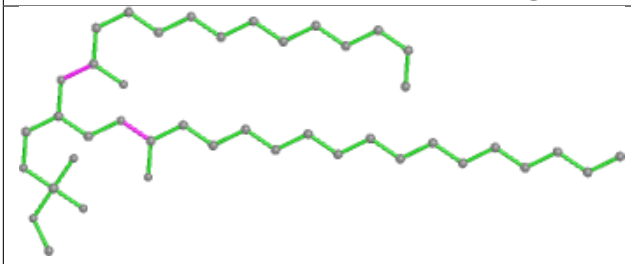


Rings

Ligand PGV k 104



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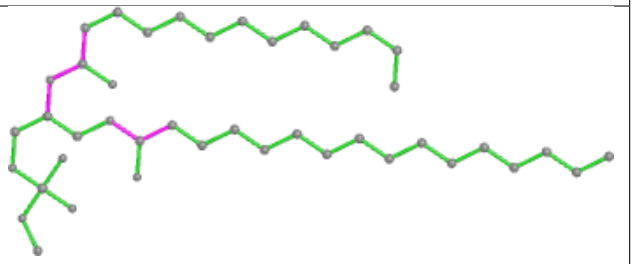
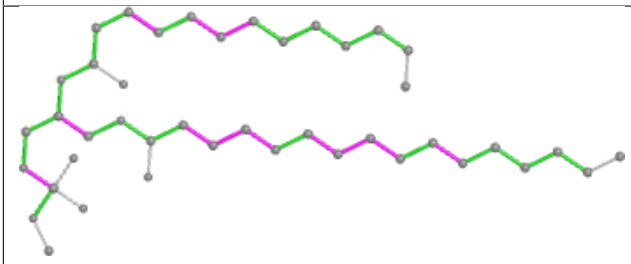


Bond angles



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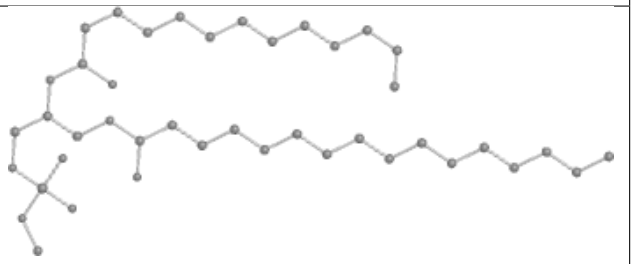
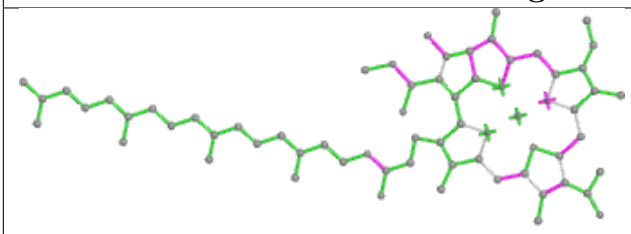


Rings

Ligand BCL n 102



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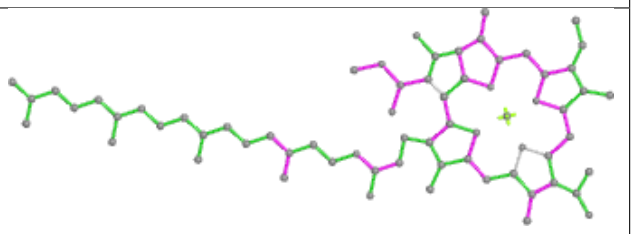
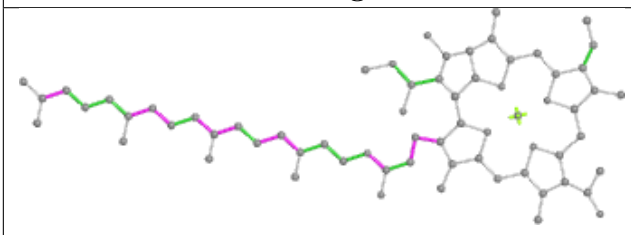


Bond angles



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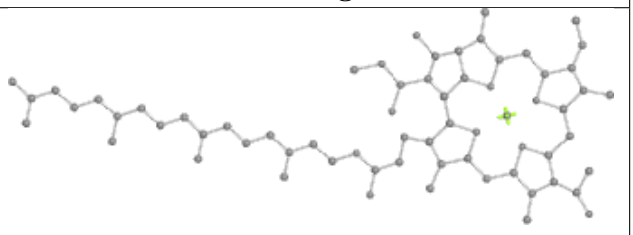
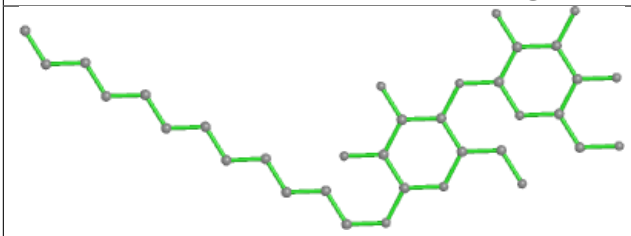
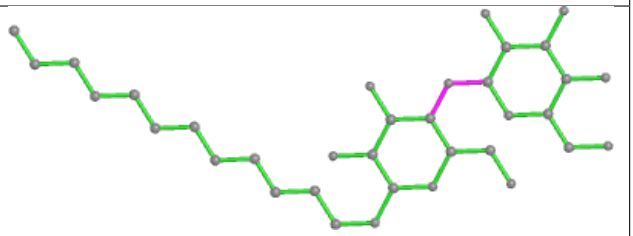


Rings

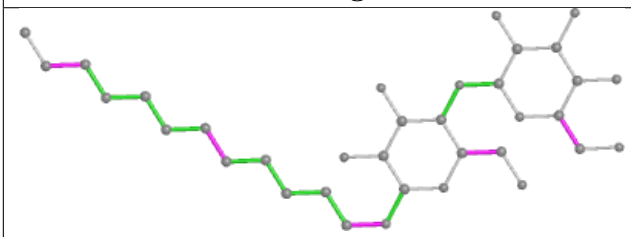
Ligand LMT b 102



Bond lengths



Bond angles



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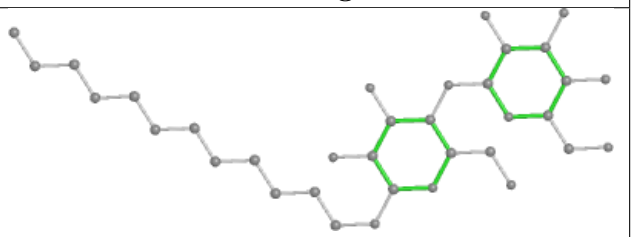
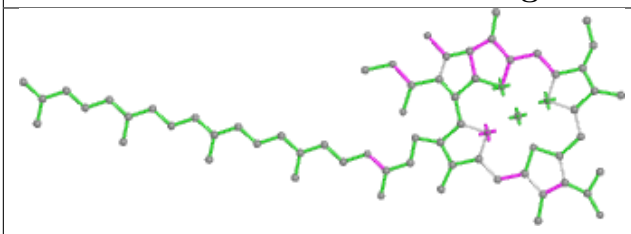


Rings

Ligand BCL M 101



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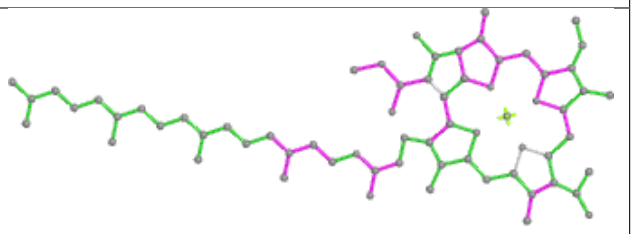
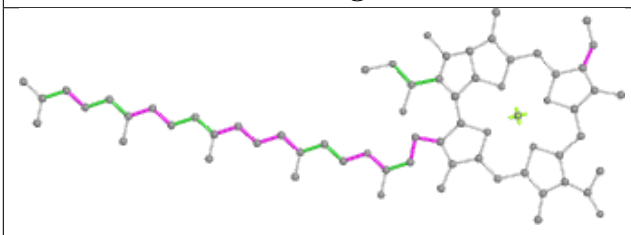


Bond angles



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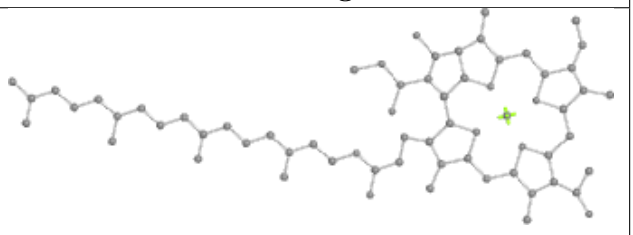
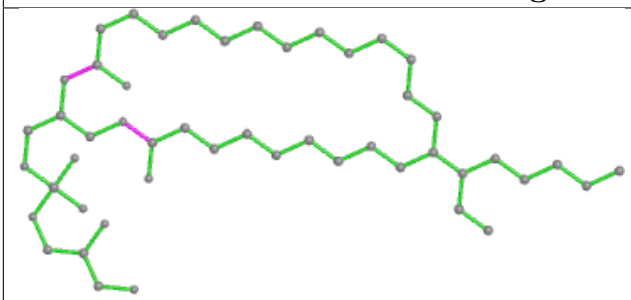


Rings

Ligand PGV i 104



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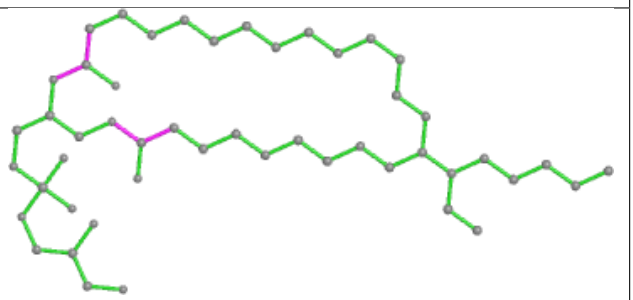
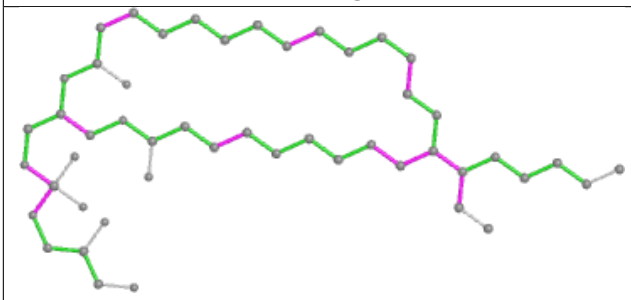


Bond angles



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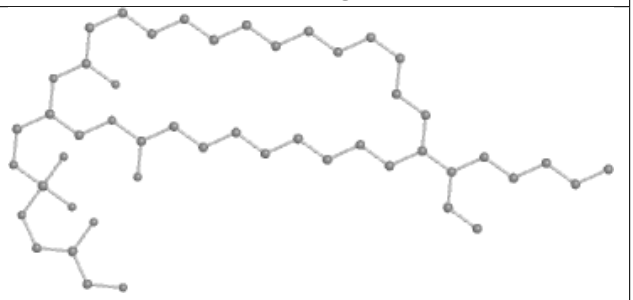
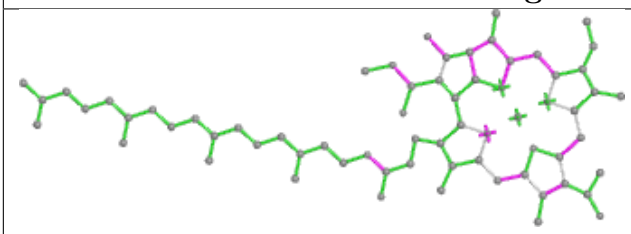


Rings

Ligand BCL O 101



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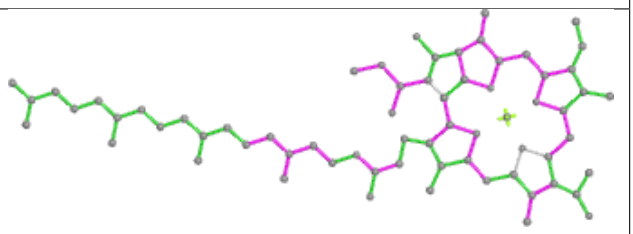
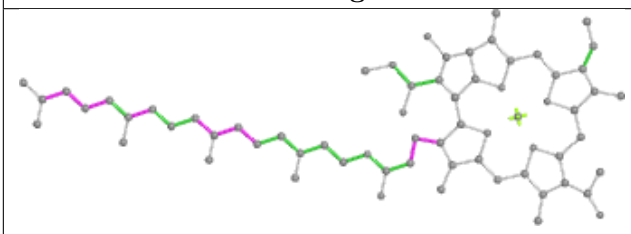
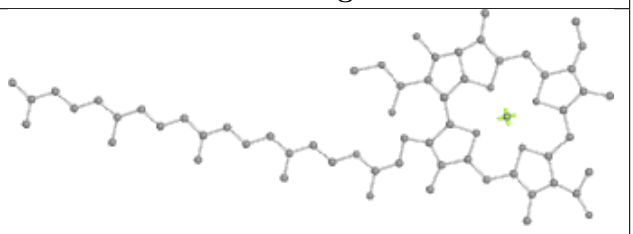


Bond angles

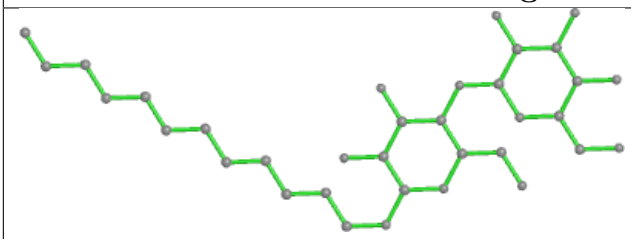


Torsions



Rings

Ligand LMT U 102



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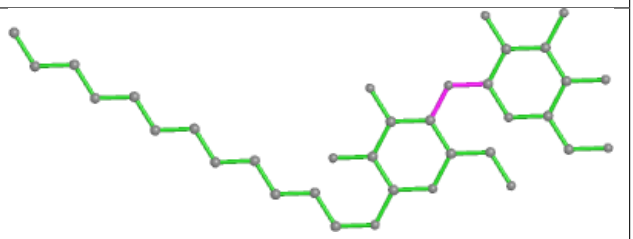
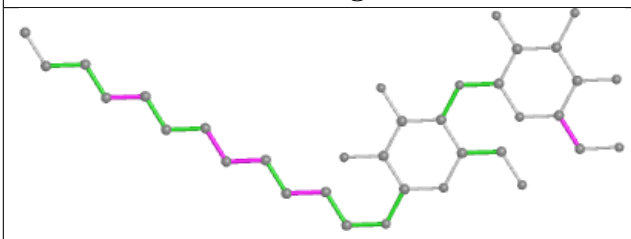


Bond angles



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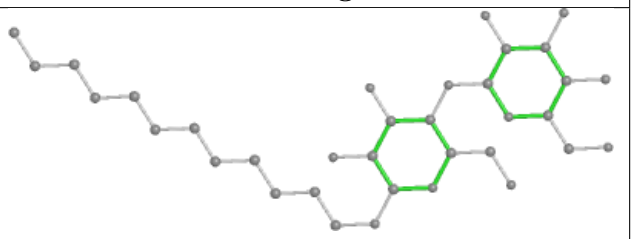
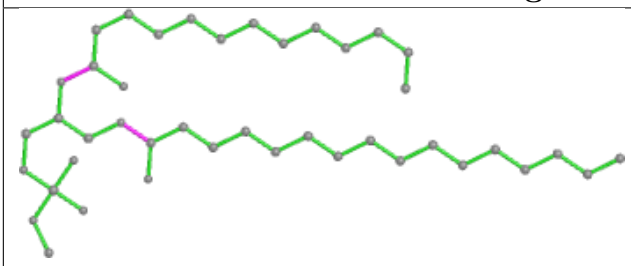


Rings

Ligand PGV q 104



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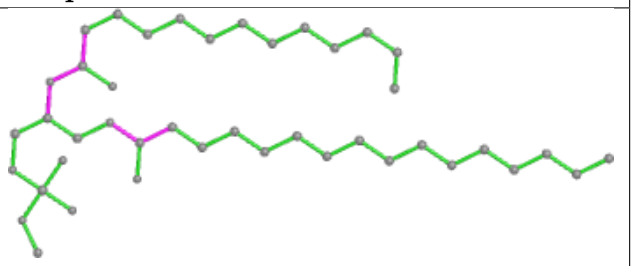
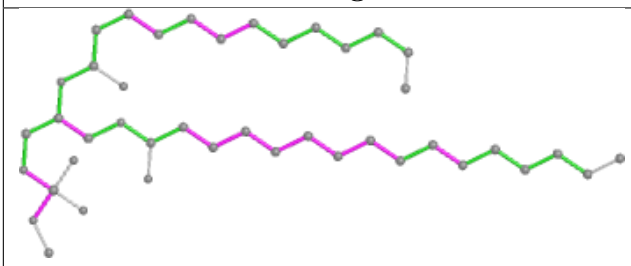
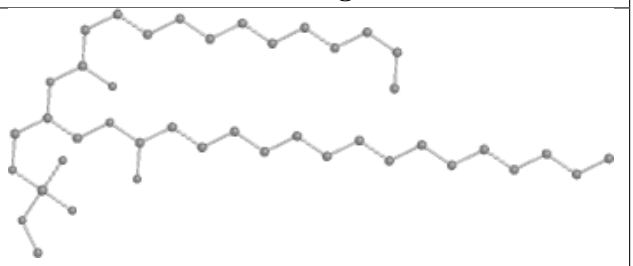


Bond angles

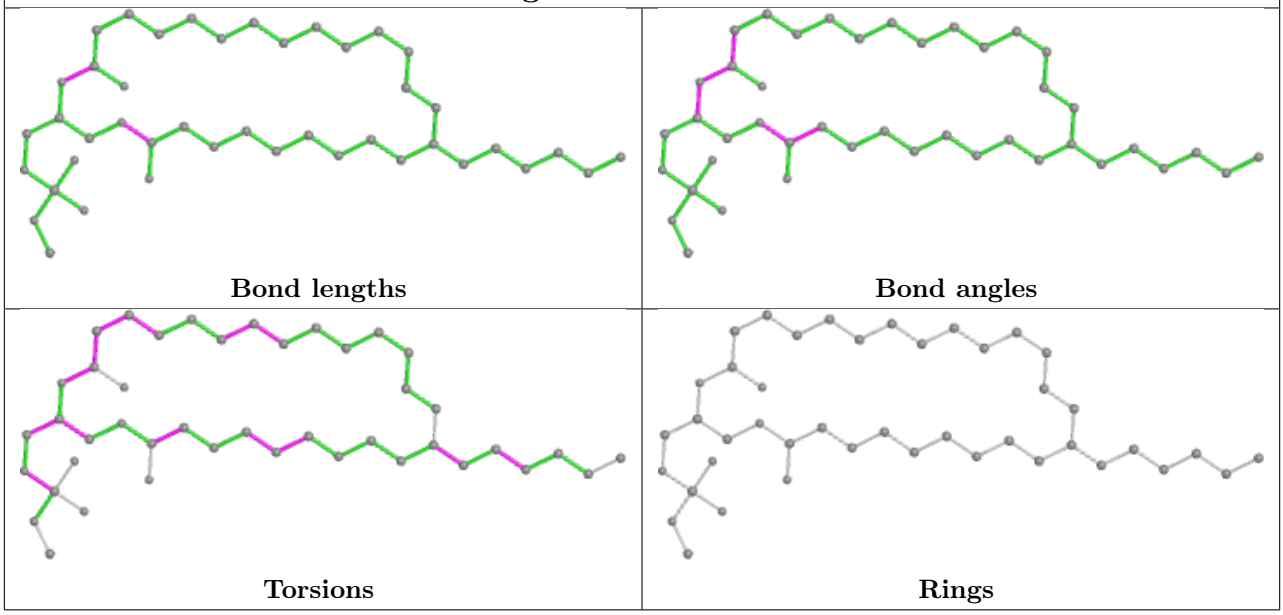


Torsions

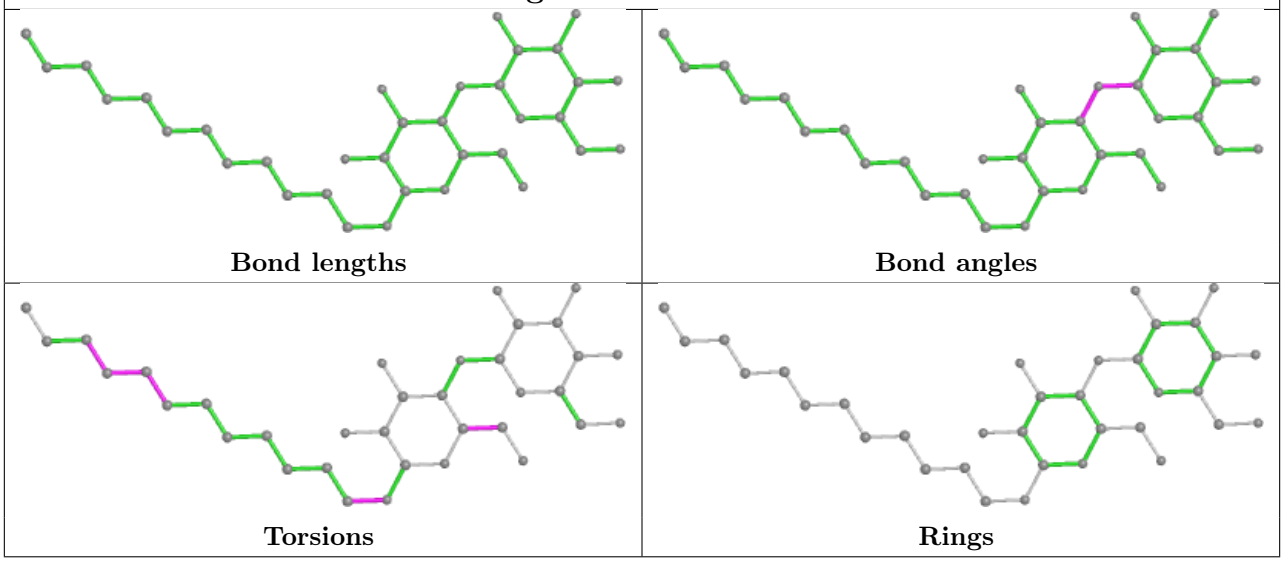


Rings

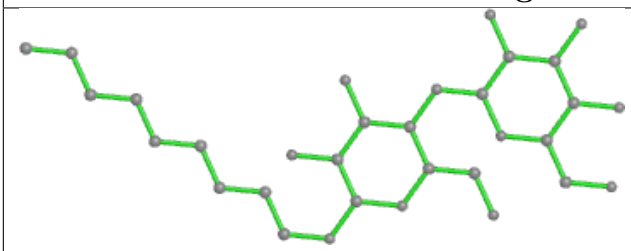
Ligand PGV D 102



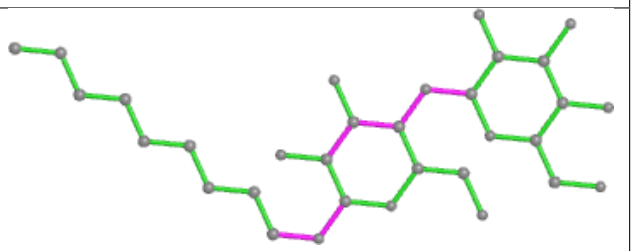
Ligand LMT 9 104



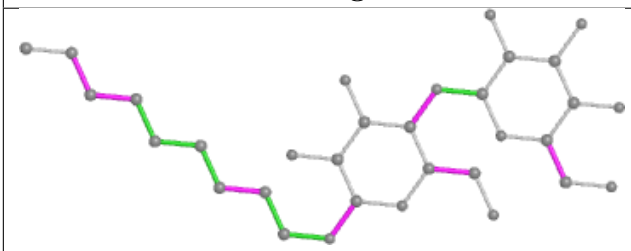
Ligand LMT W 105



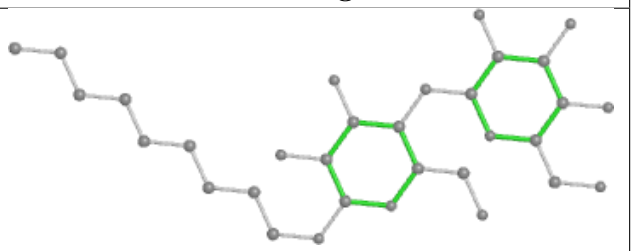
Bond lengths



Bond angles

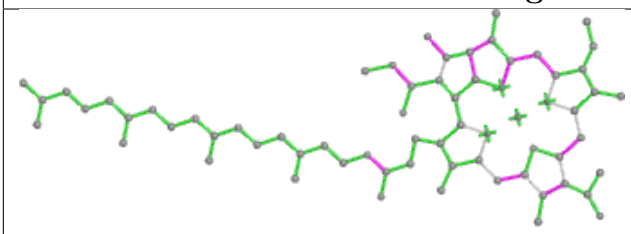


Torsions



Rings

Ligand BCL P 101



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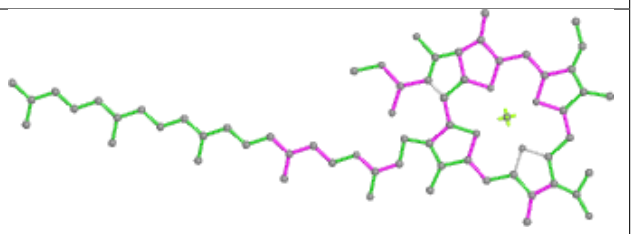
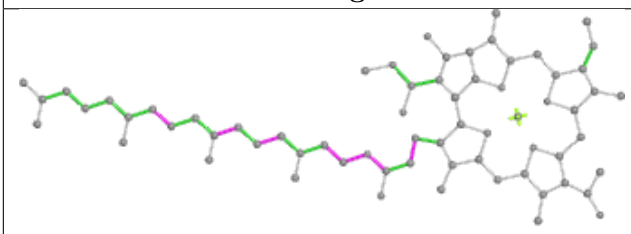


Bond angles



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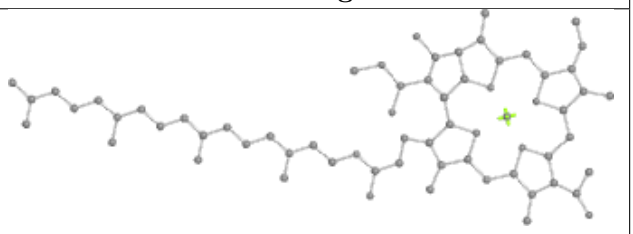
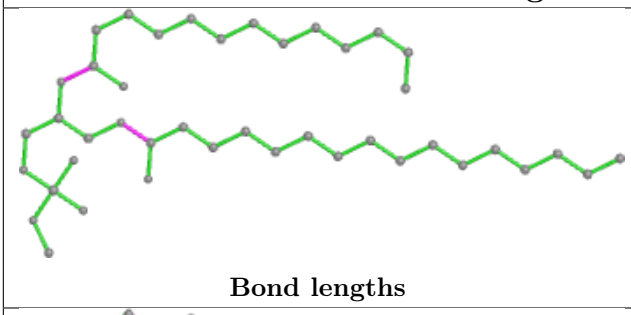


Rings

Ligand PGV e 104



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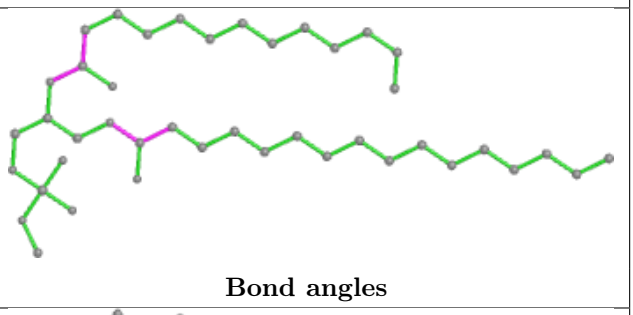
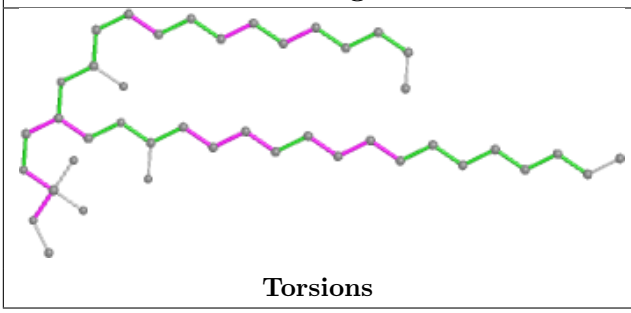


Bond angles



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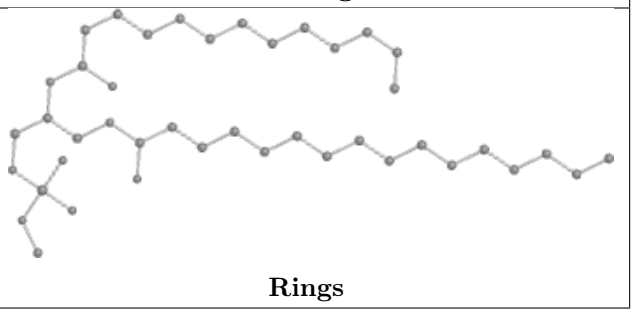
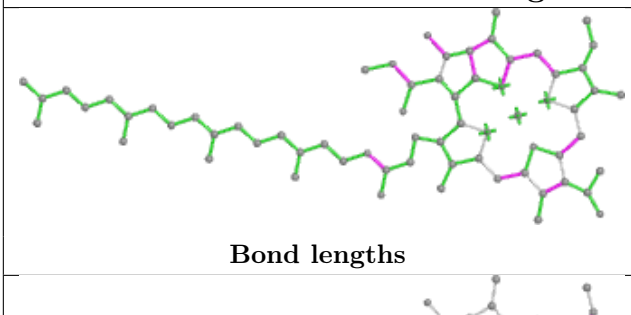


Rings

Ligand BCL L 101



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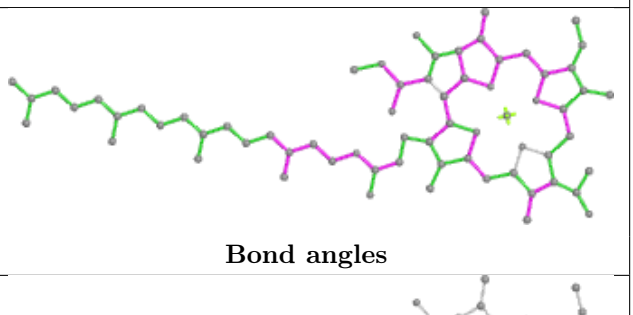
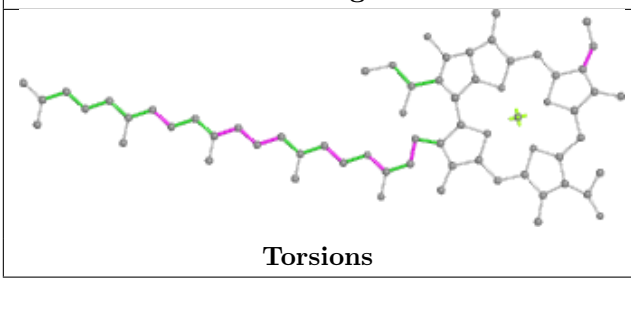
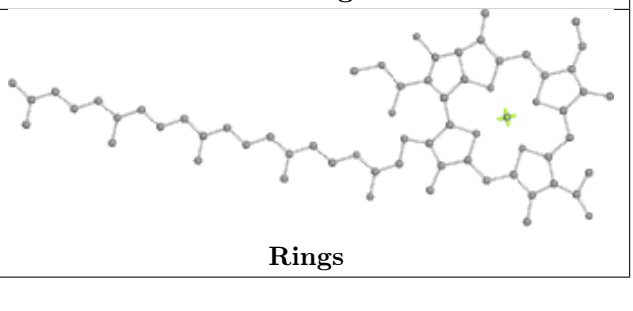


Bond angles

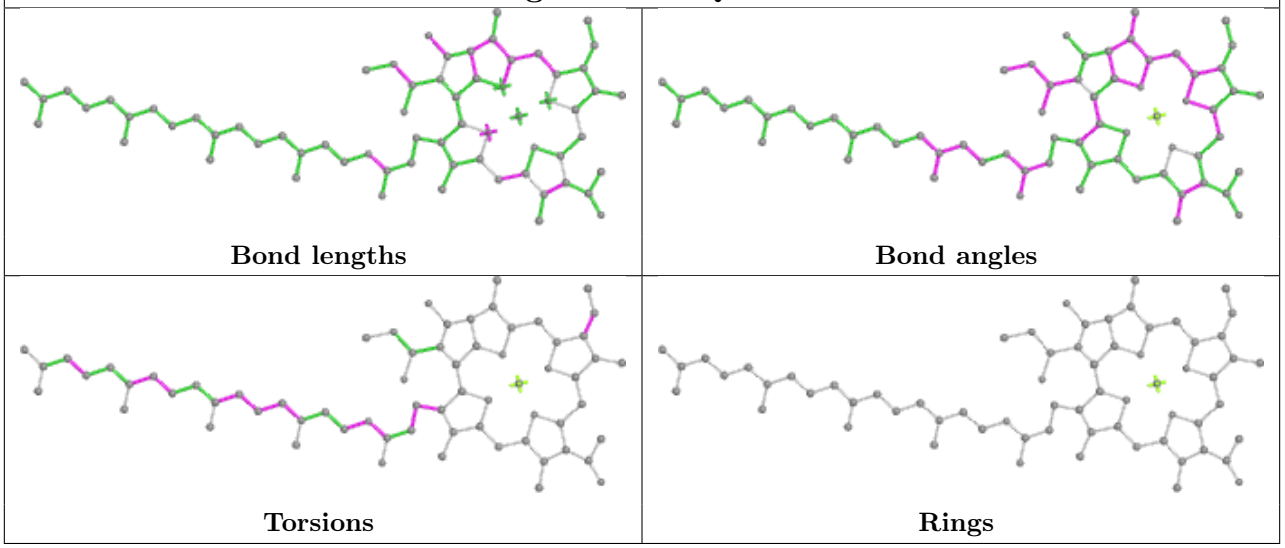


Torsions

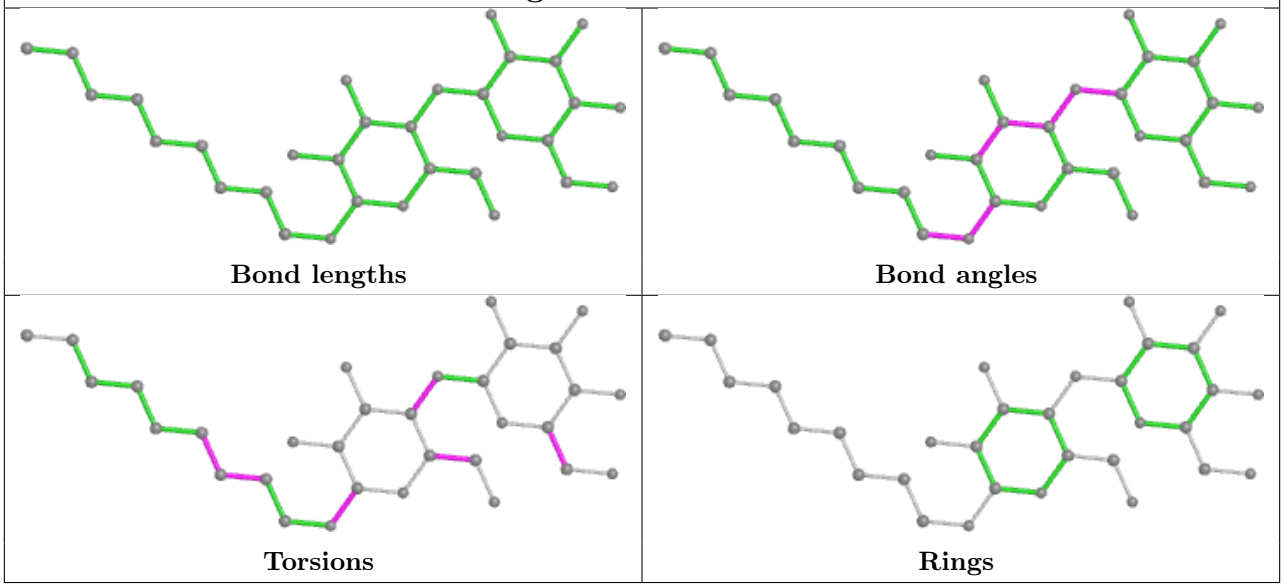


Rings

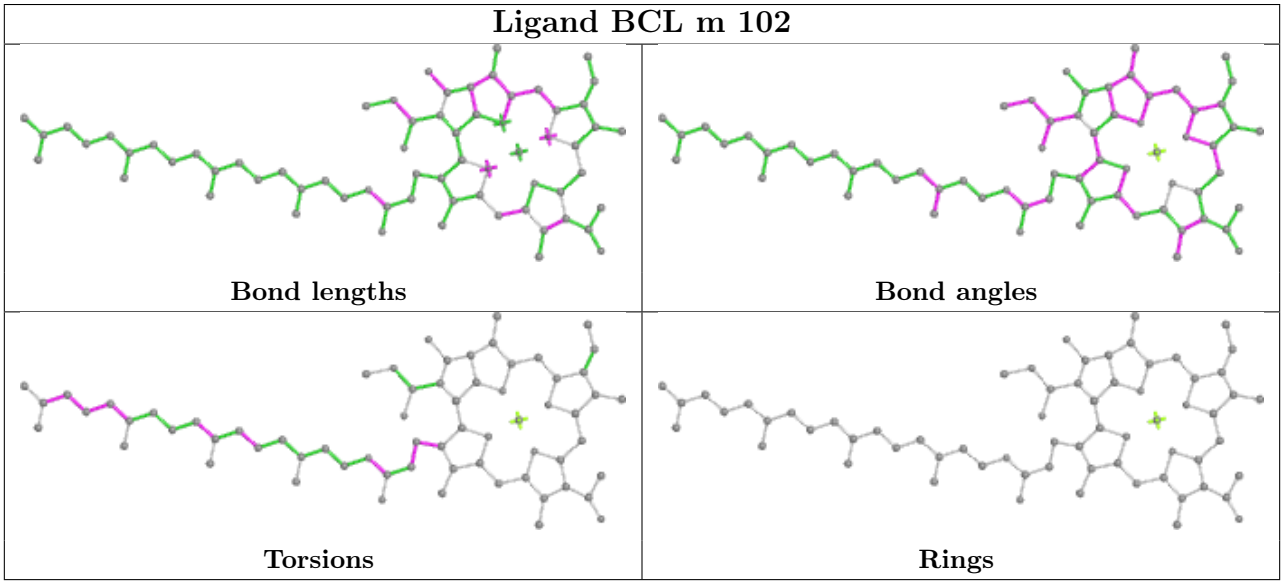
Ligand BCL Q 101



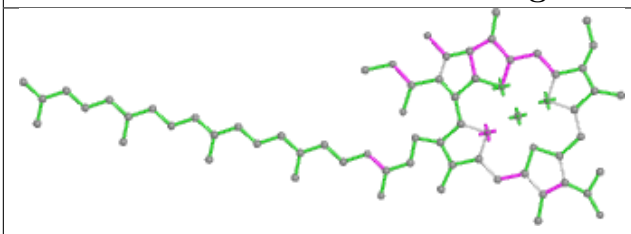
Ligand LMT 5 105



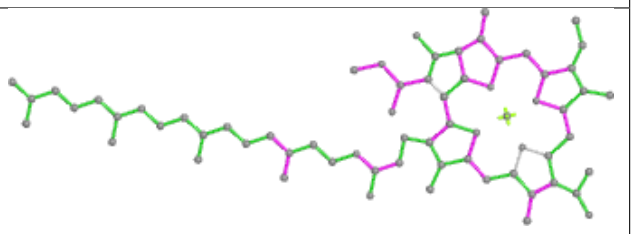
Ligand BCL m 102



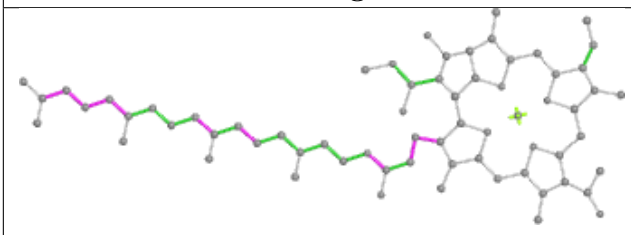
Ligand BCL o 102



Bond lengths



Bond angles



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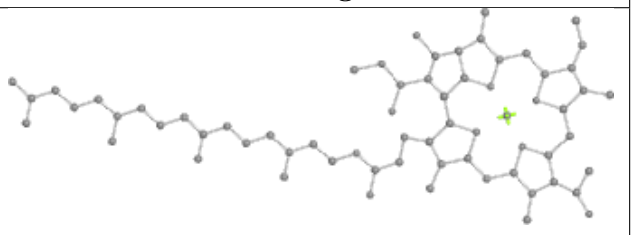
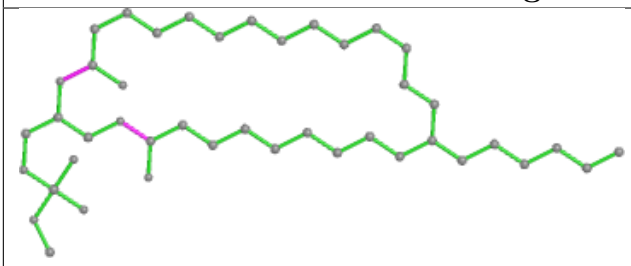


Rings

Ligand PGV F 103



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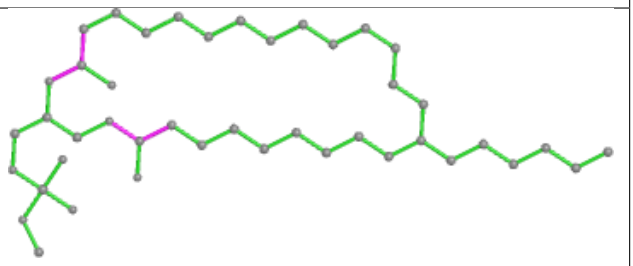
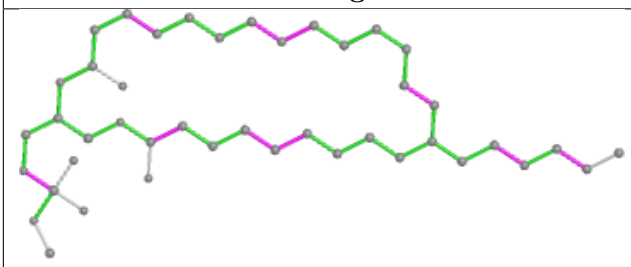


Bond angles



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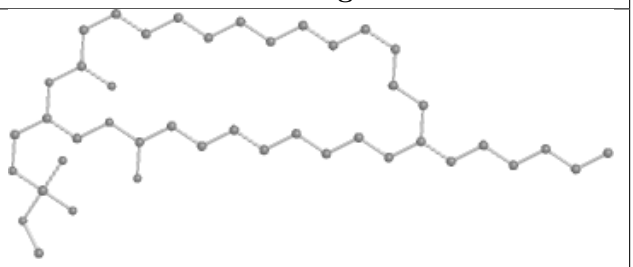
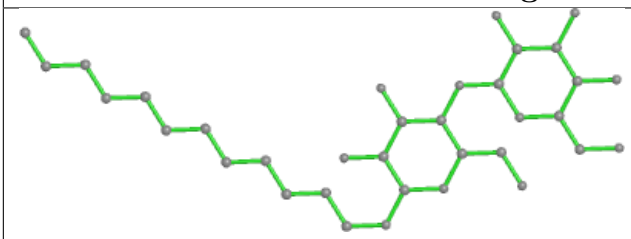


Rings

Ligand LMT Q 102



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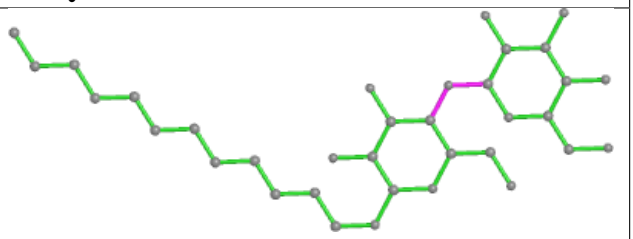
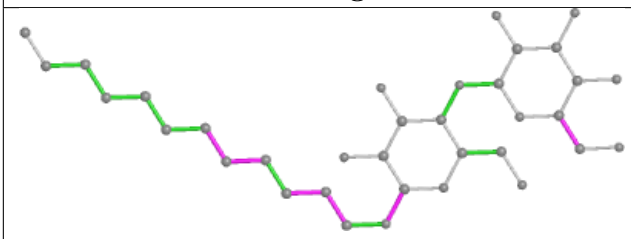


Bond angles



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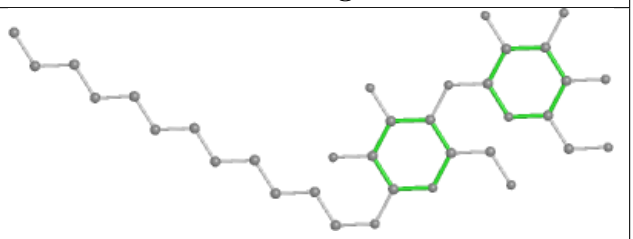
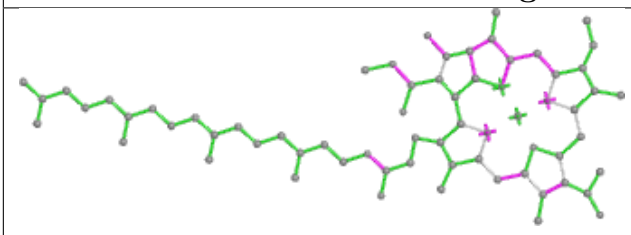
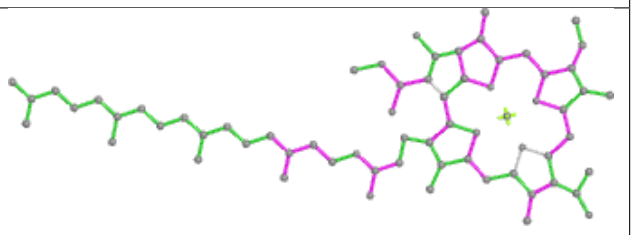


Rings

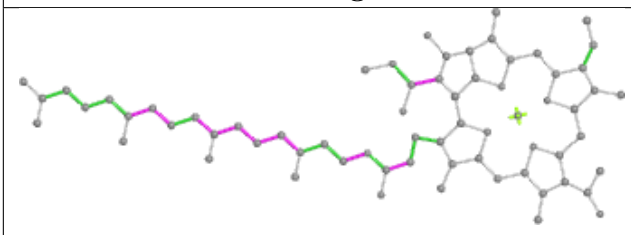
Ligand BCL W 102



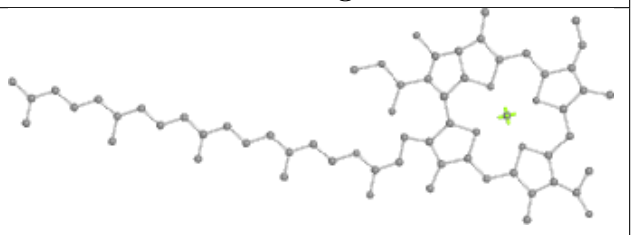
Bond lengths



Bond angles

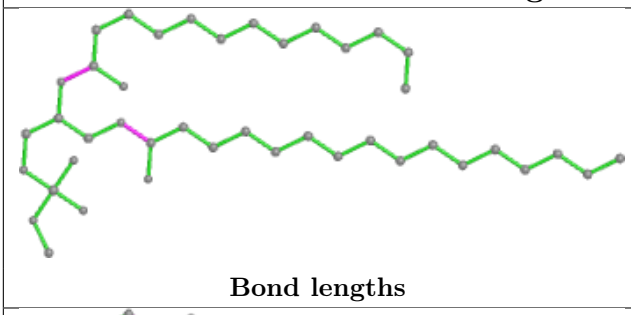


Torsions

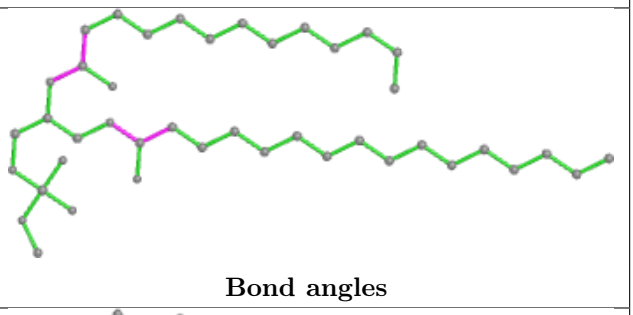


Rings

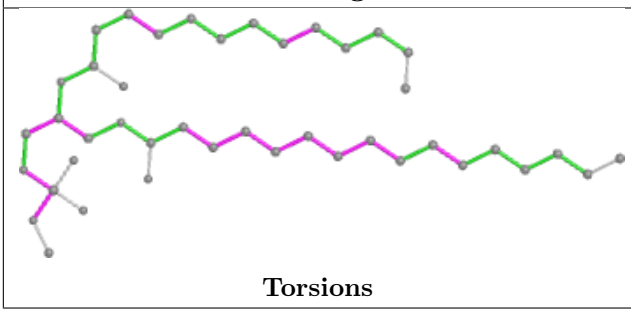
Ligand PGV a 103



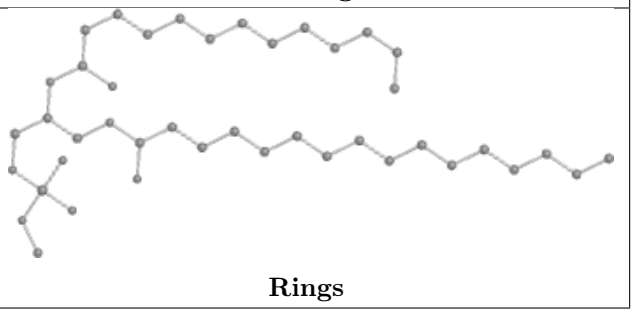
Bond lengths



Bond angles

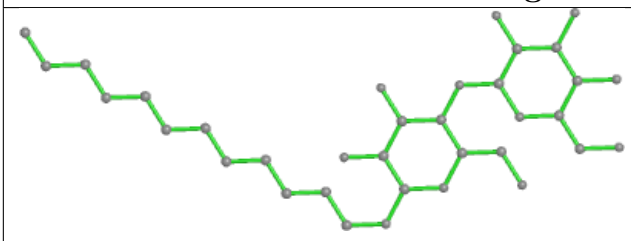


Torsions

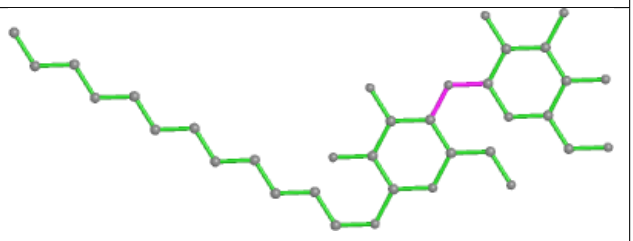


Rings

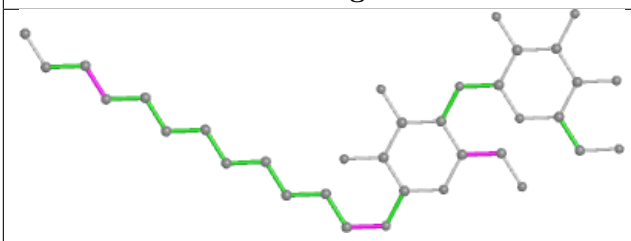
Ligand LMT S 104



Bond lengths



Bond angles



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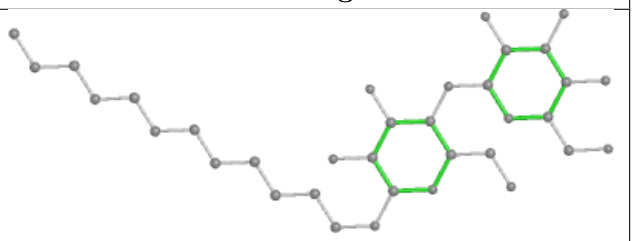
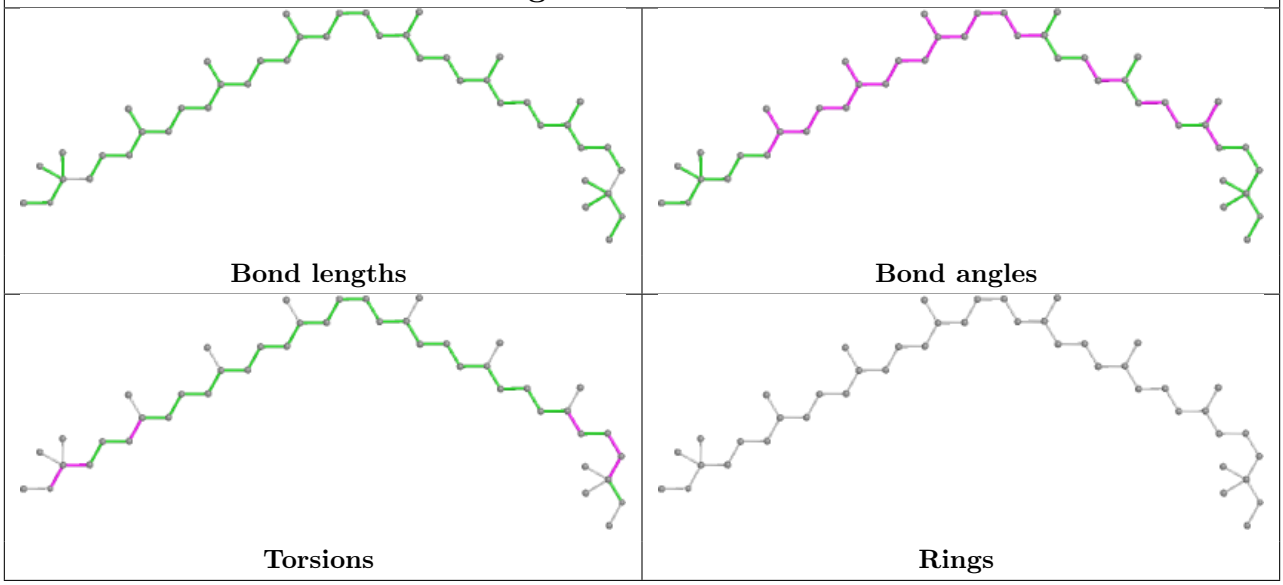
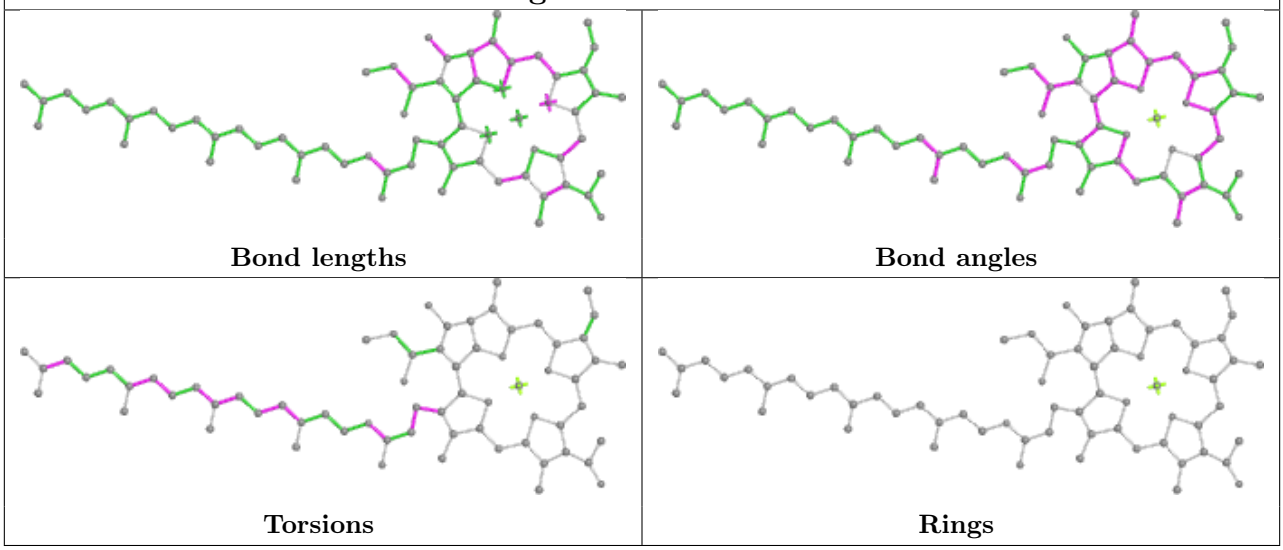


Rings

Ligand CRT b 101



Ligand BCL d 102



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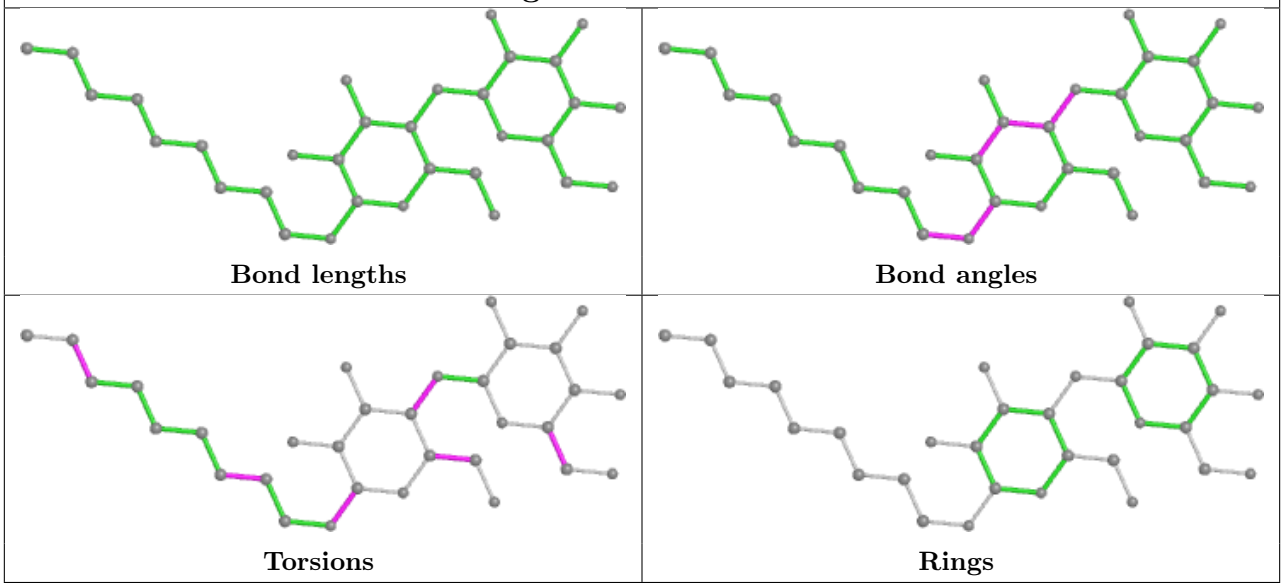
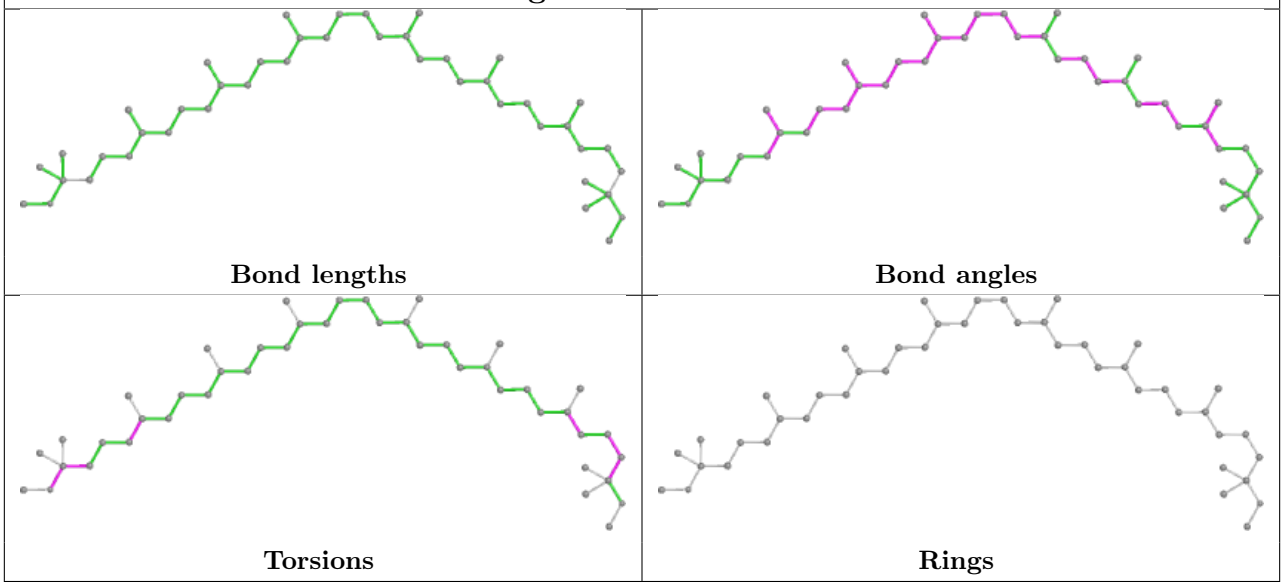
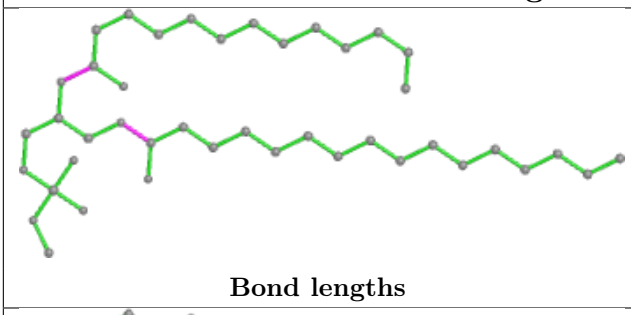


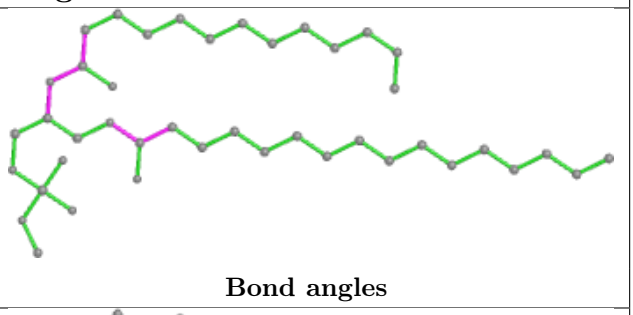
Ligand CRT h 101



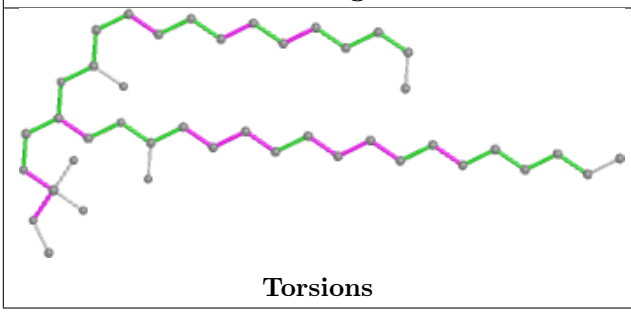
Ligand PGV g 103



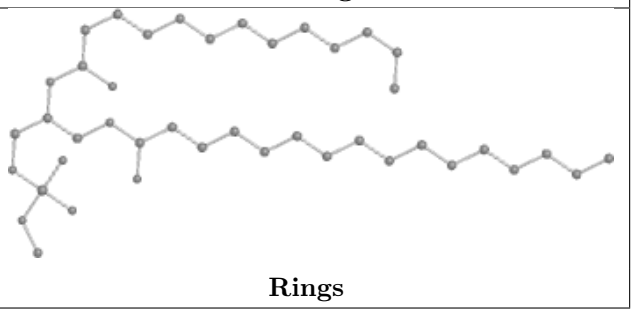
Bond lengths



Bond angles

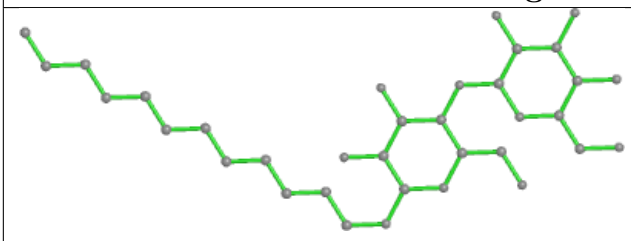


Torsions



Rings

Ligand LMT 1 104



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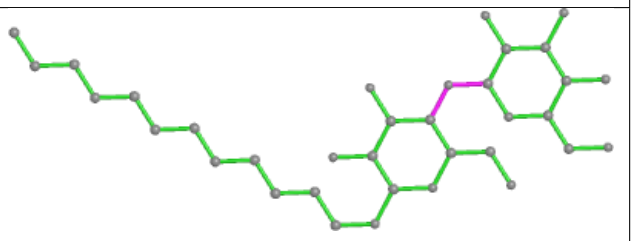
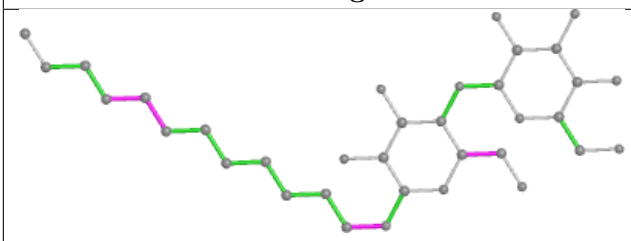
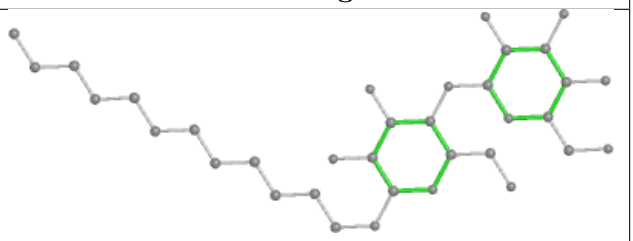


Bond angles

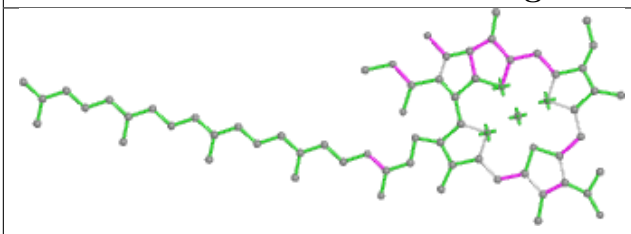


Torsions

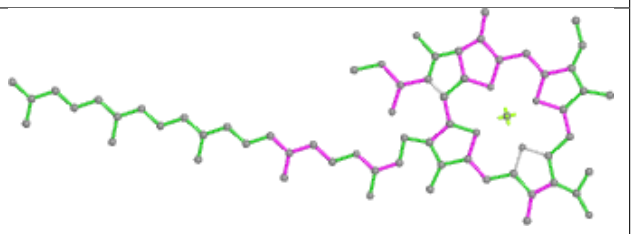


Rings

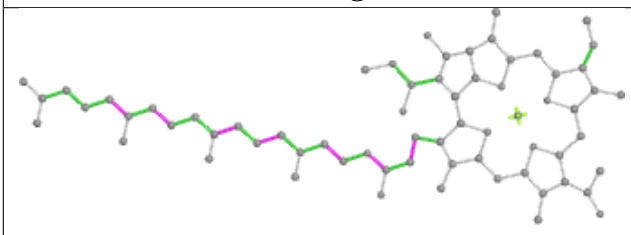
Ligand BCL D 101



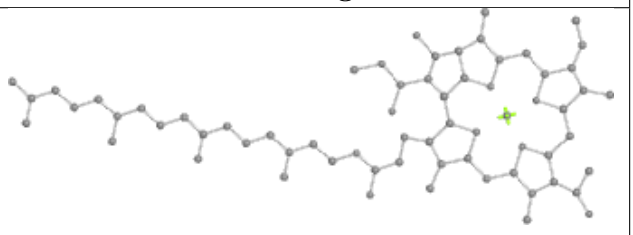
Bond lengths



Bond angles

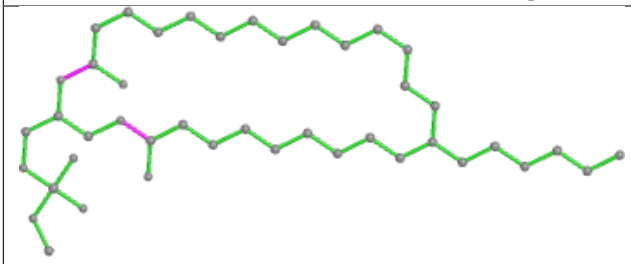


Torsions

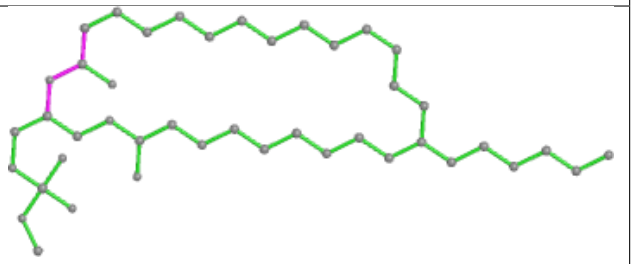


Rings

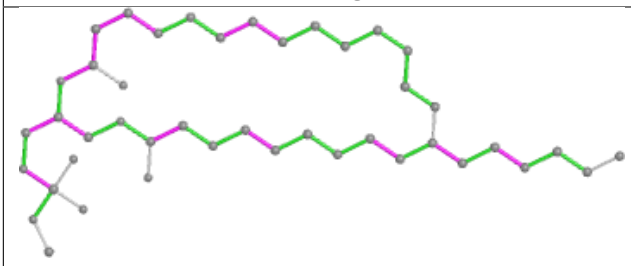
Ligand PGV P 102



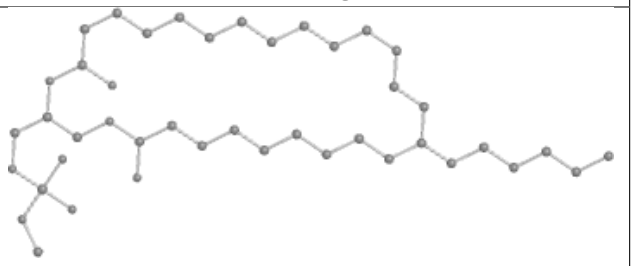
Bond lengths



Bond angles

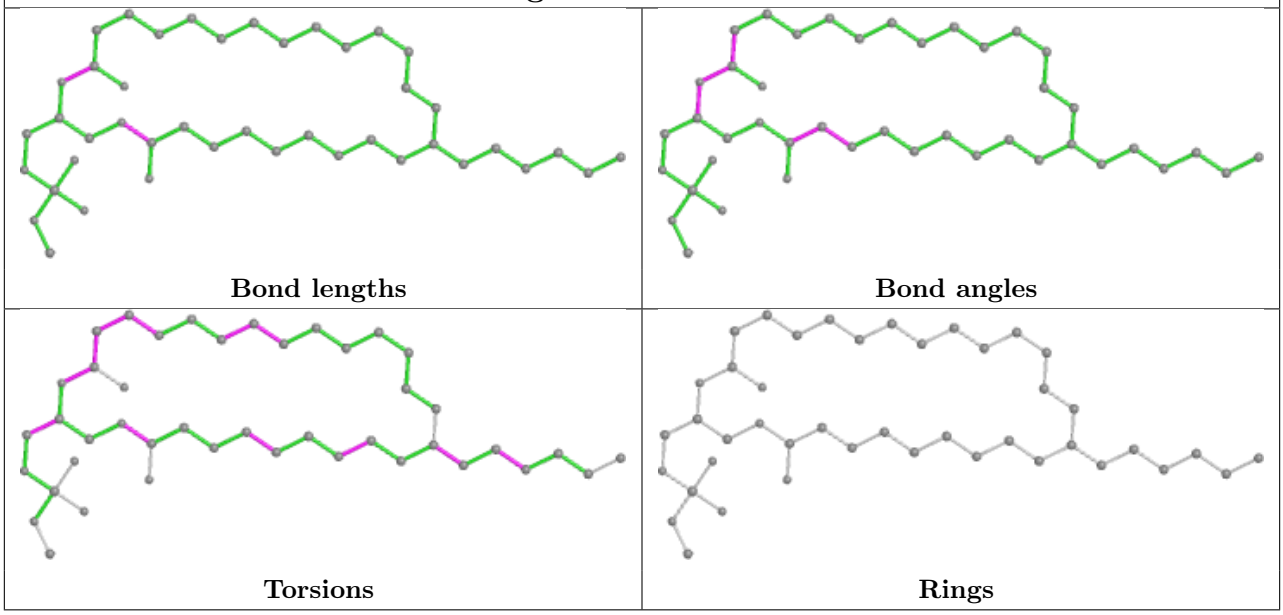


Torsions

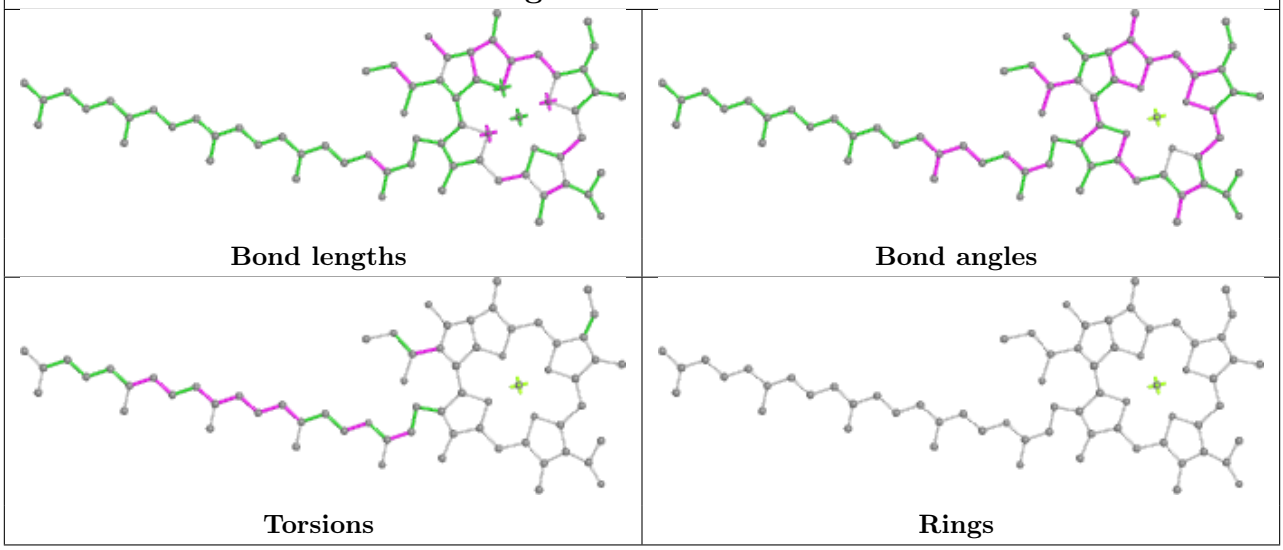


Rings

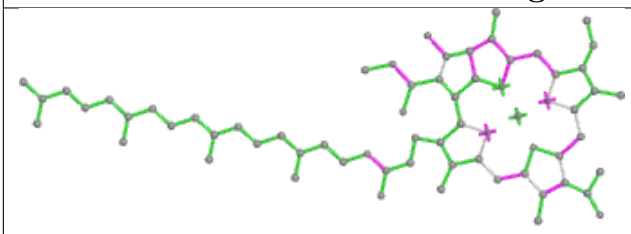
Ligand PGV 6 102



Ligand BCL G 102



Ligand BCL b 103



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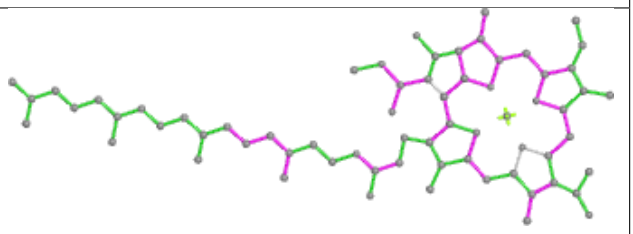
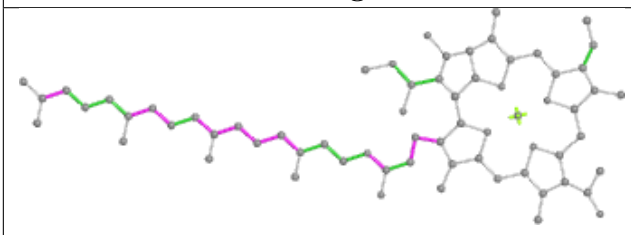


Bond angles



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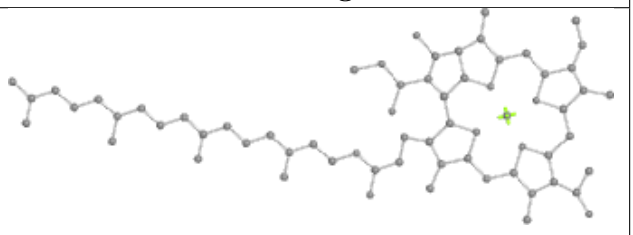
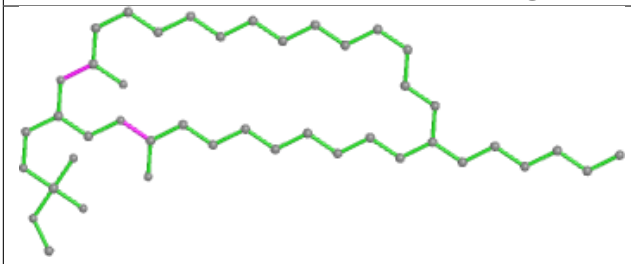
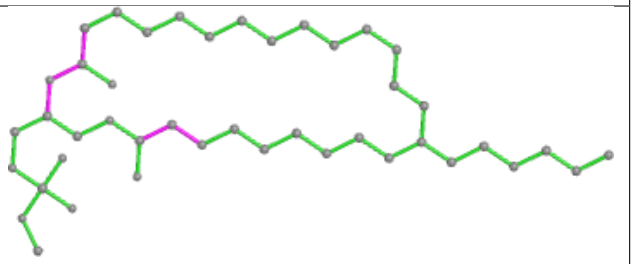


Rings

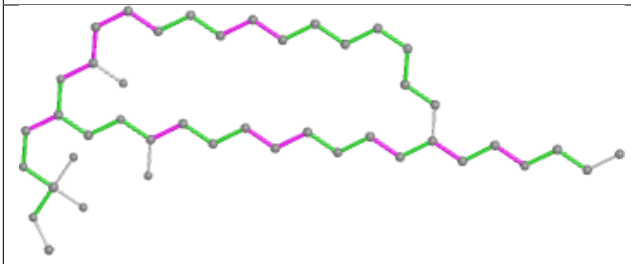
Ligand PGV L 102



Bond lengths



Bond angles



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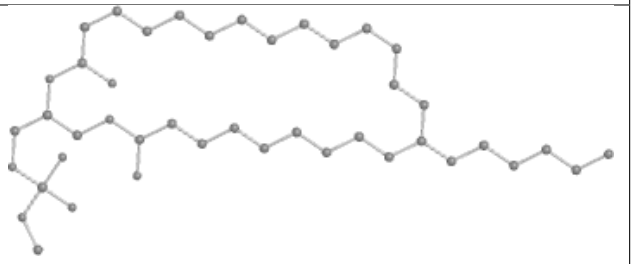
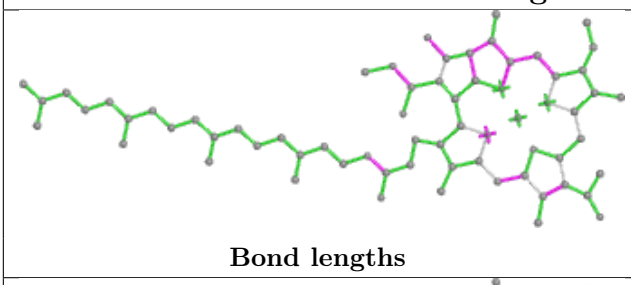
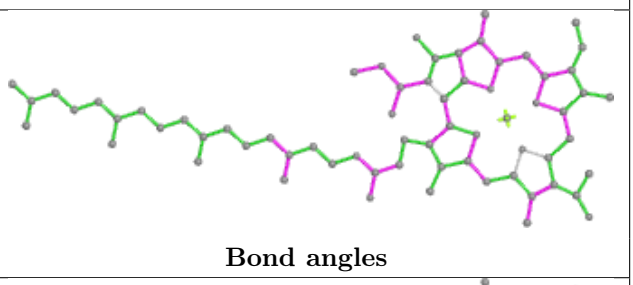


Rings

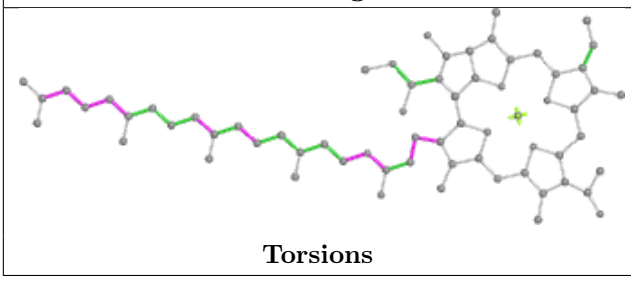
Ligand BCL e 102



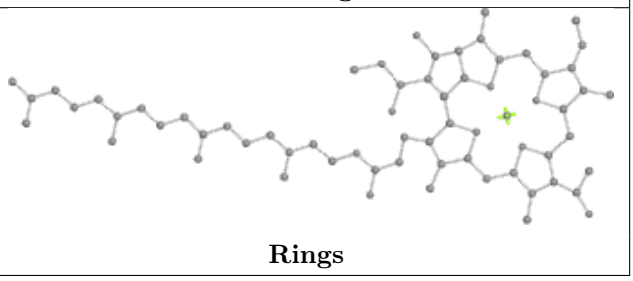
Bond lengths



Bond angles

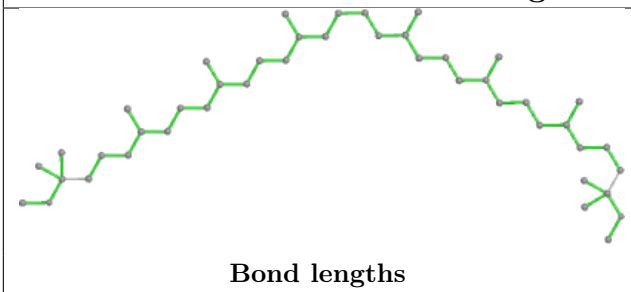


Torsions

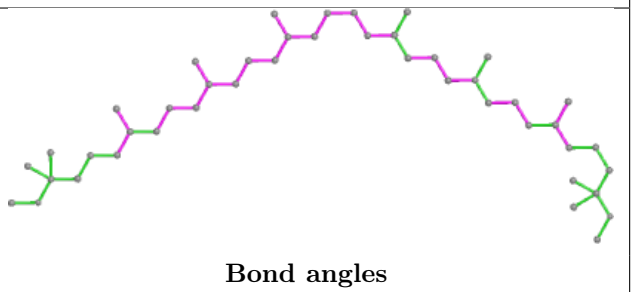


Rings

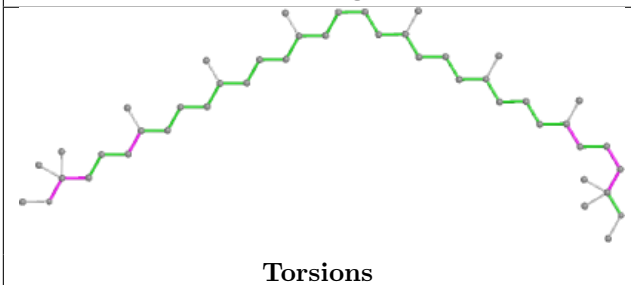
Ligand CRT a 105



Bond lengths



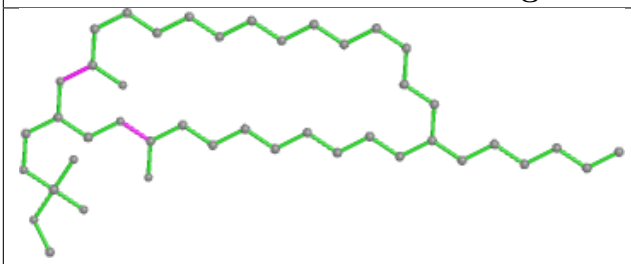
Bond angles



Torsions

Rings

Ligand PGV R 103



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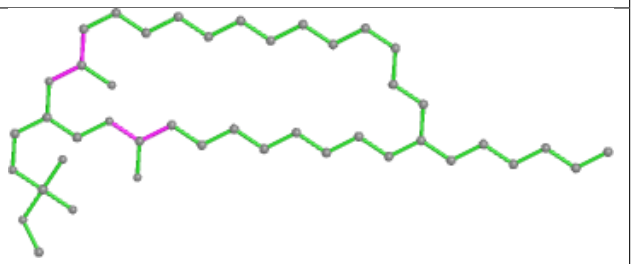
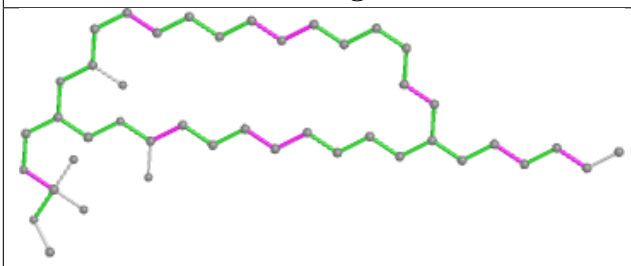


Bond angles



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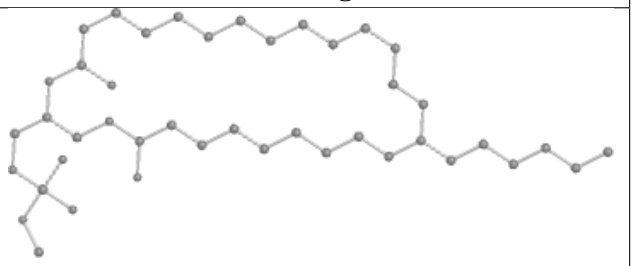
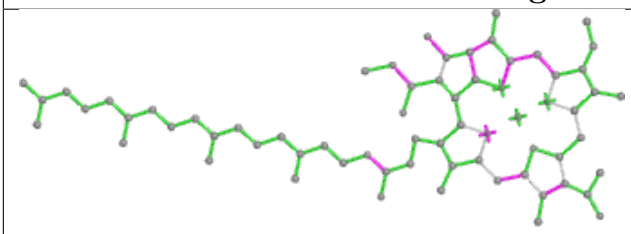
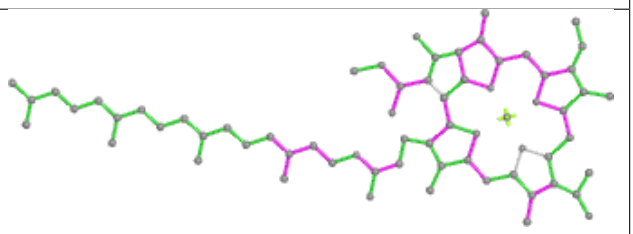


Rings

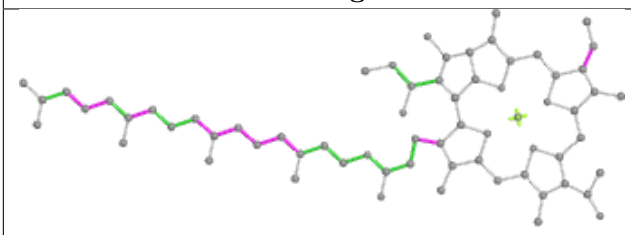
Ligand BCL 8 102



Bond lengths



Bond angles



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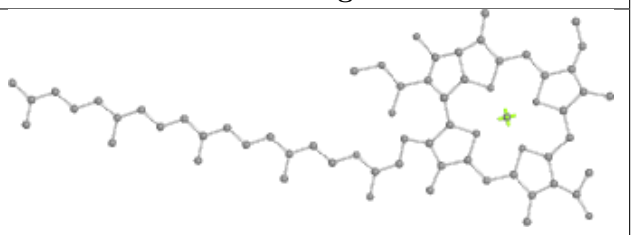
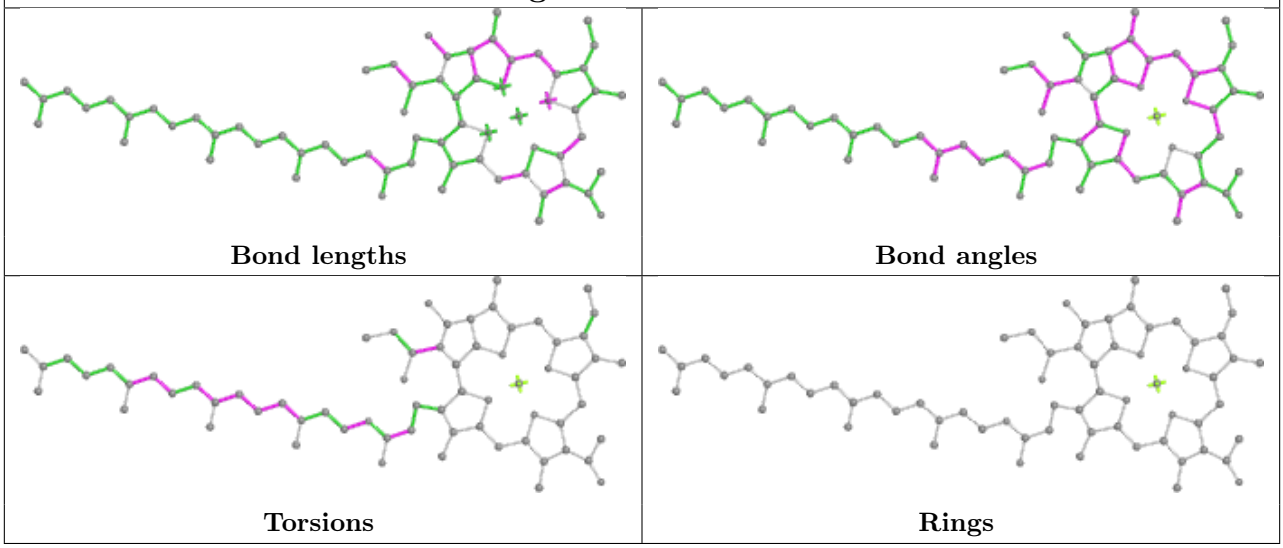
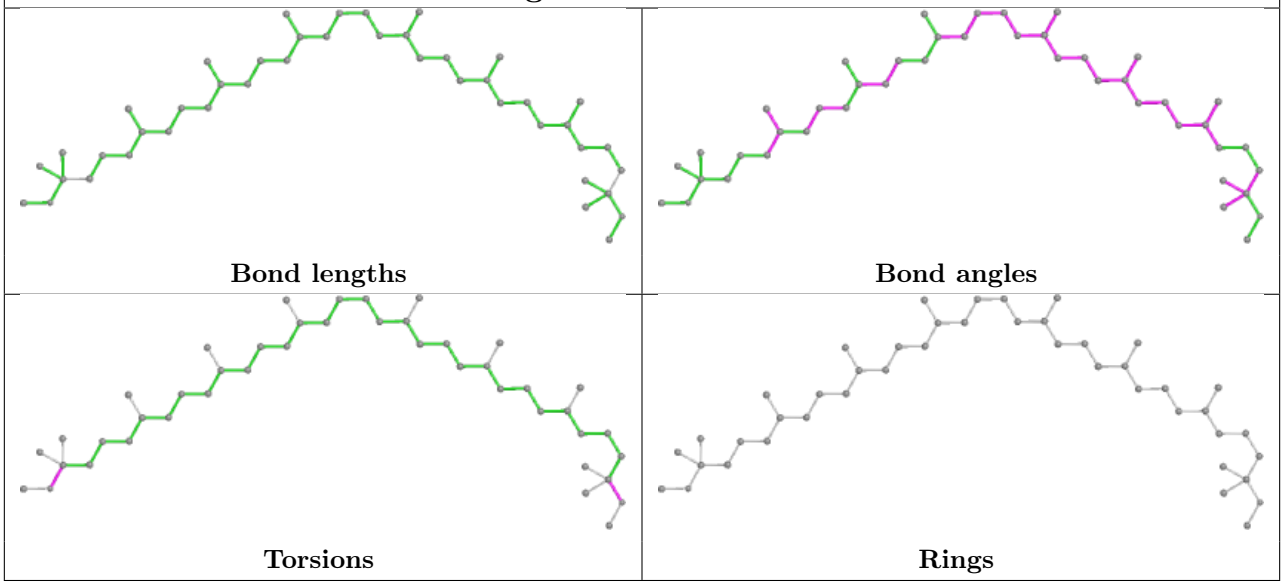


Rings

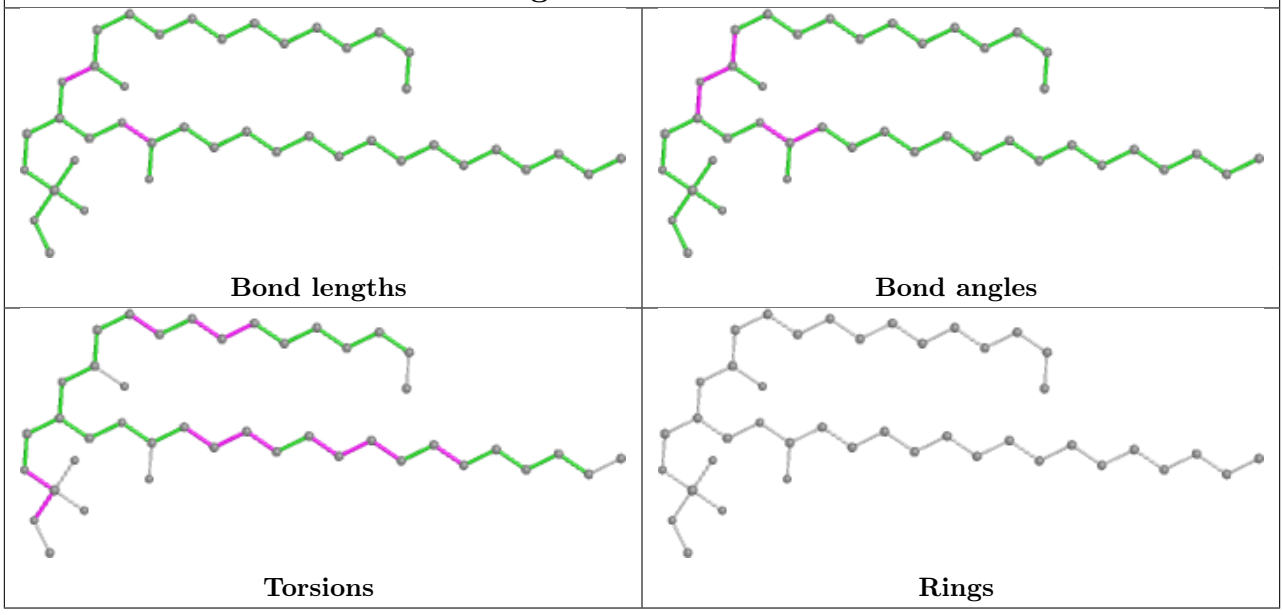
Ligand BCL S 102



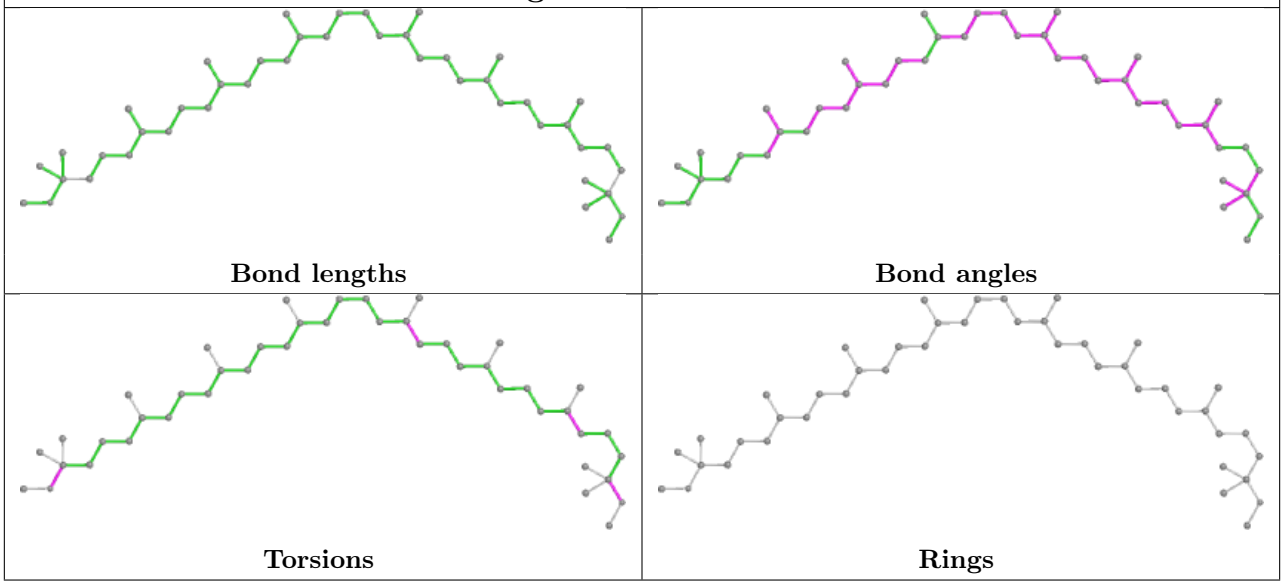
Ligand CRT B 101



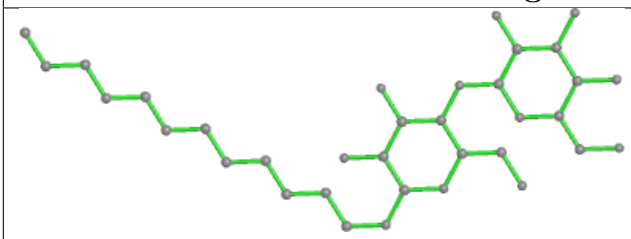
Ligand PGV i 103



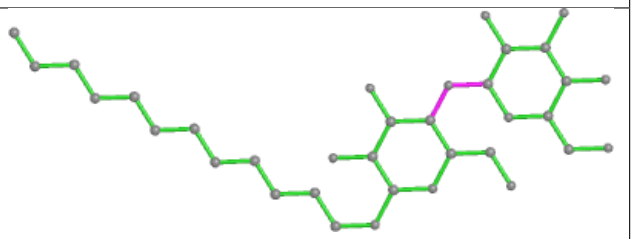
Ligand CRT F 101



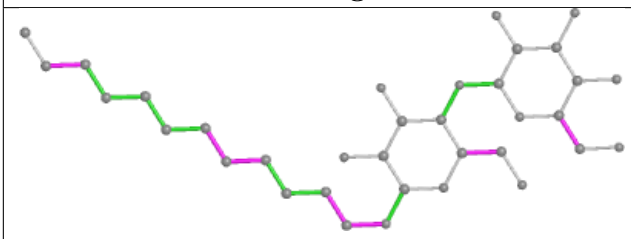
Ligand LMT n 101



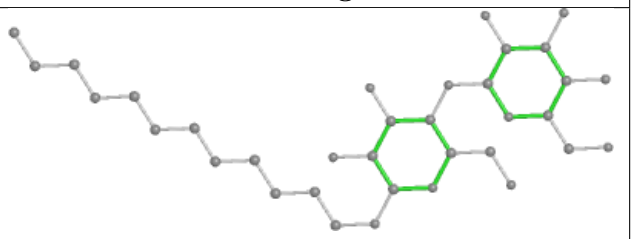
Bond lengths



Bond angles

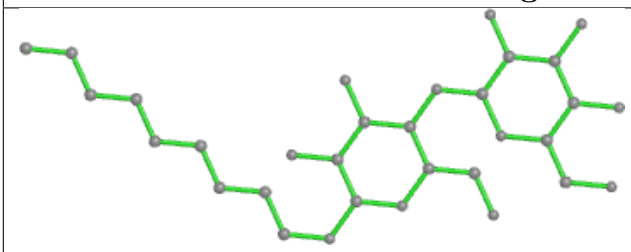


Torsions

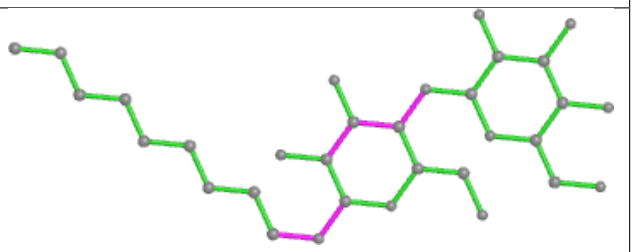


Rings

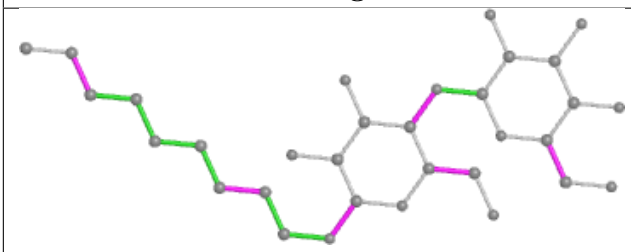
Ligand LMT K 105



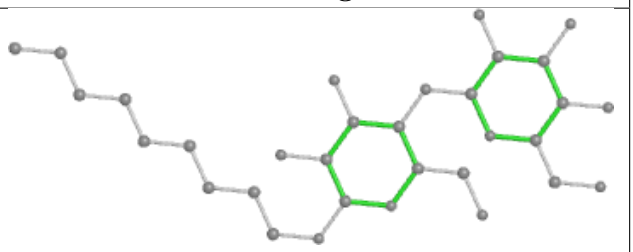
Bond lengths



Bond angles

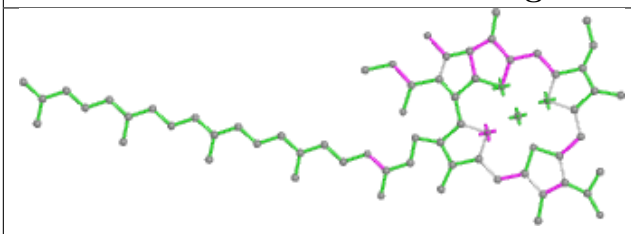


Torsions

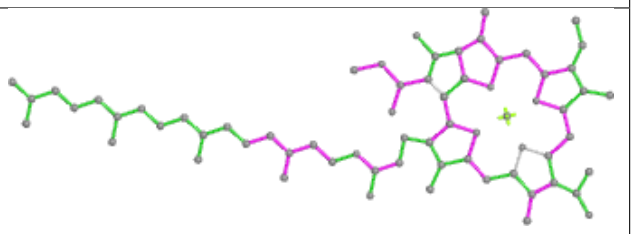


Rings

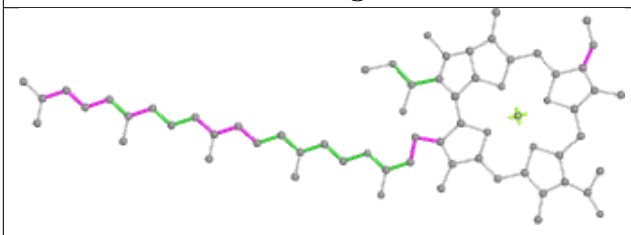
Ligand BCL C 101



Bond lengths



Bond angles



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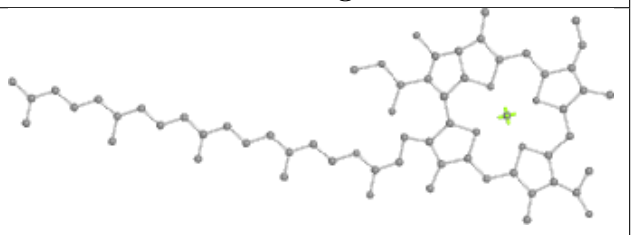
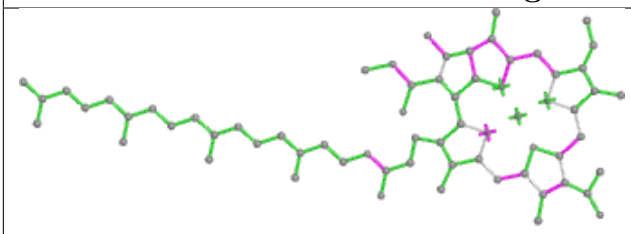
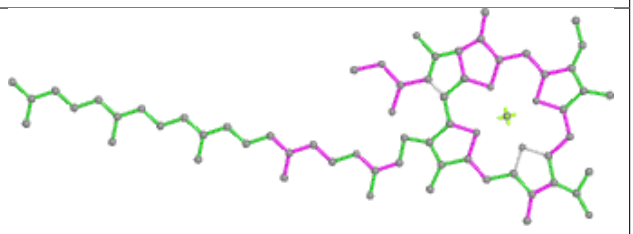


Rings

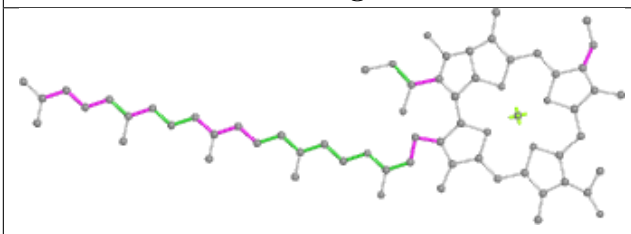
Ligand BCL G 101



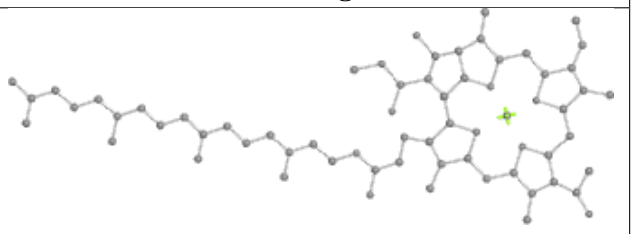
Bond lengths



Bond angles

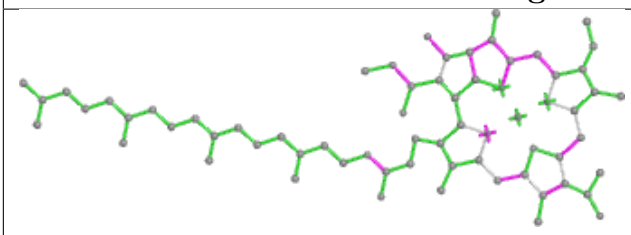


Torsions

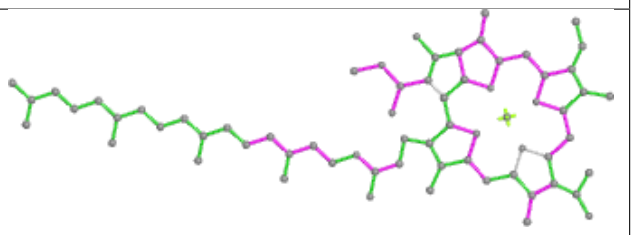


Rings

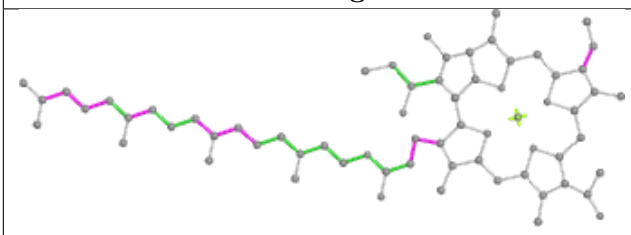
Ligand BCL S 101



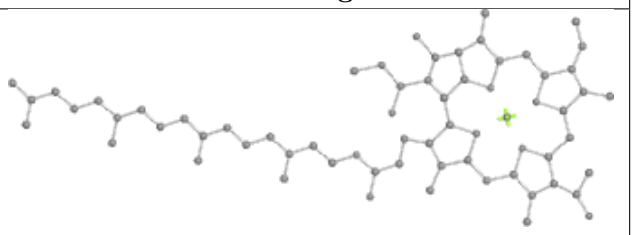
Bond lengths



Bond angles

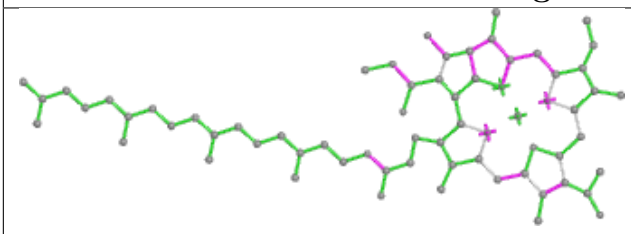


Torsions

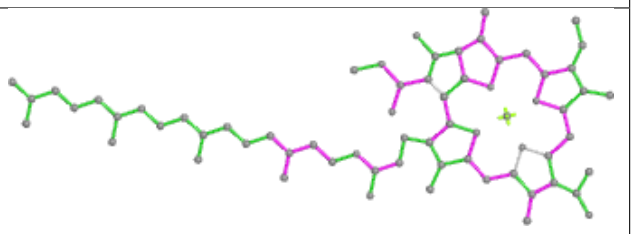


Rings

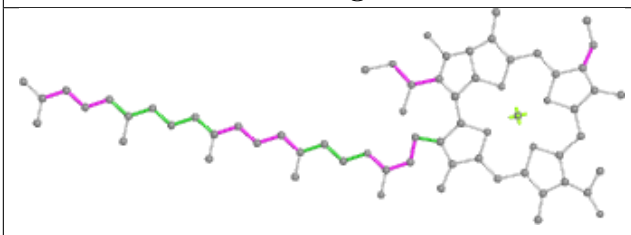
Ligand BCL i 102



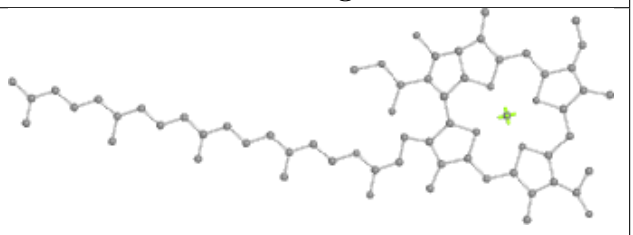
Bond lengths



Bond angles

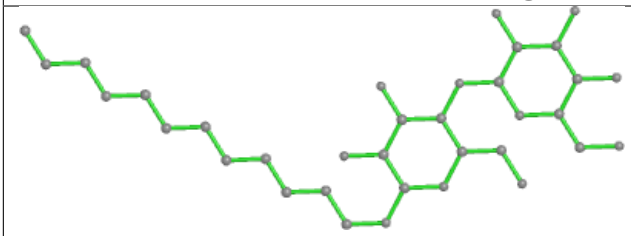


Torsions

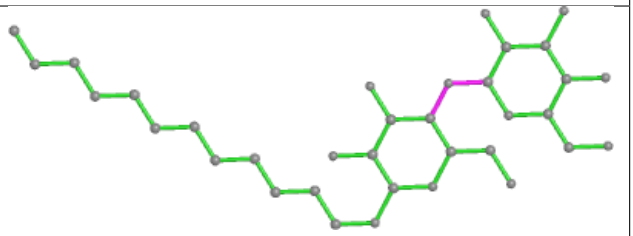


Rings

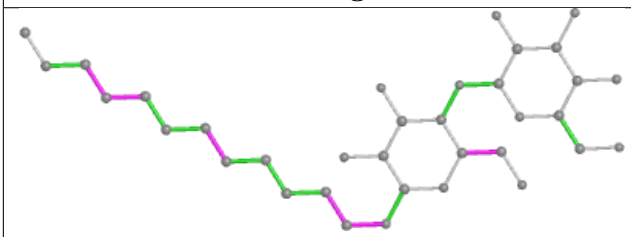
Ligand LMT G 104



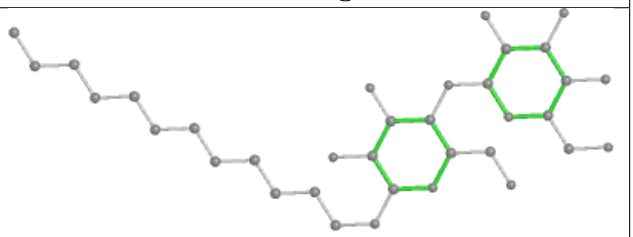
Bond lengths



Bond angles

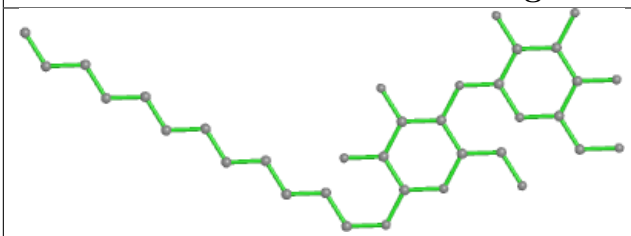


Torsions



Rings

Ligand LMT d 101



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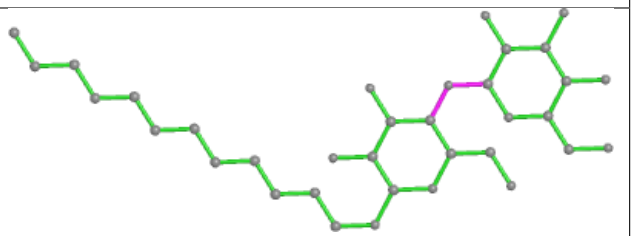
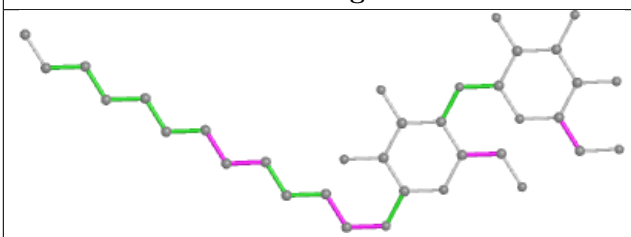
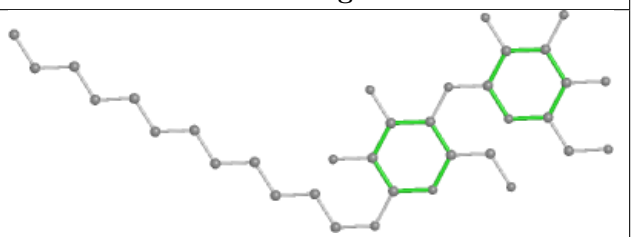


Bond angles

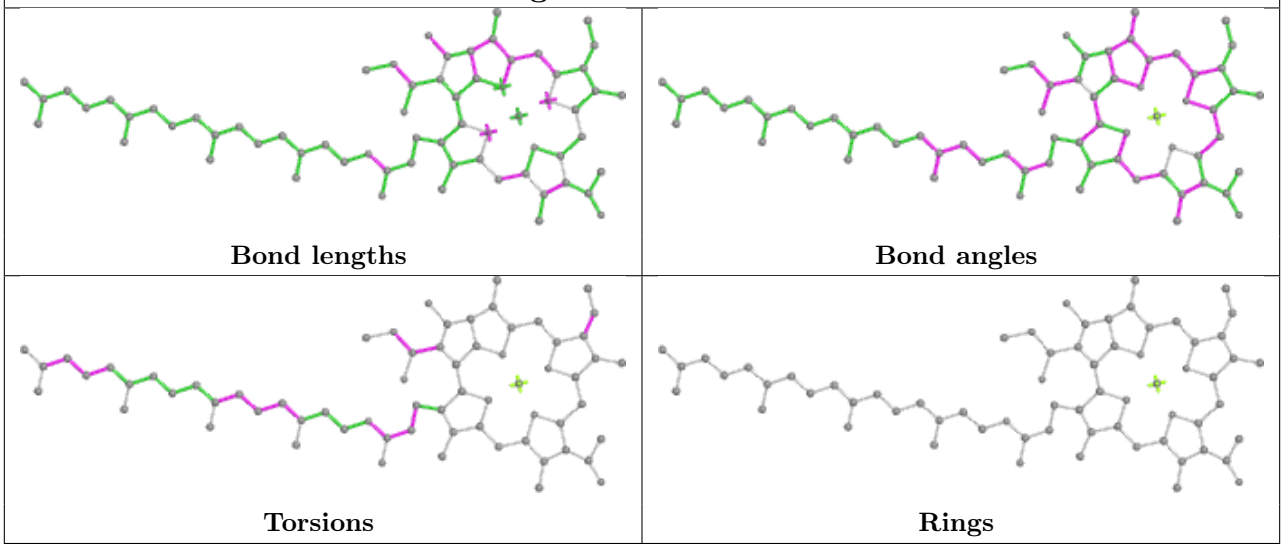


Torsions

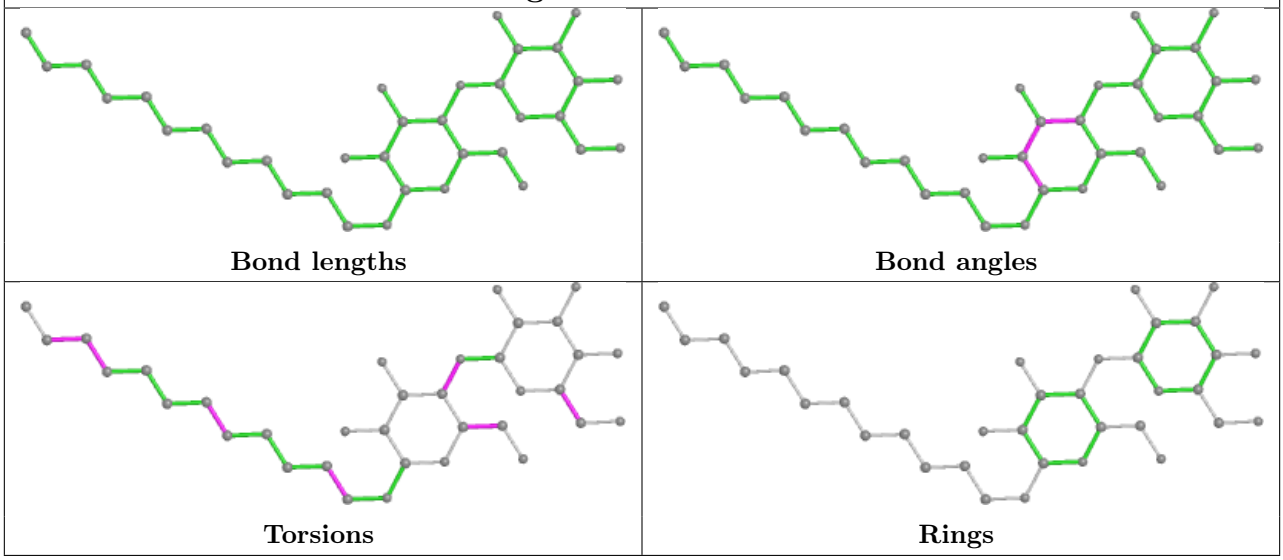


Rings

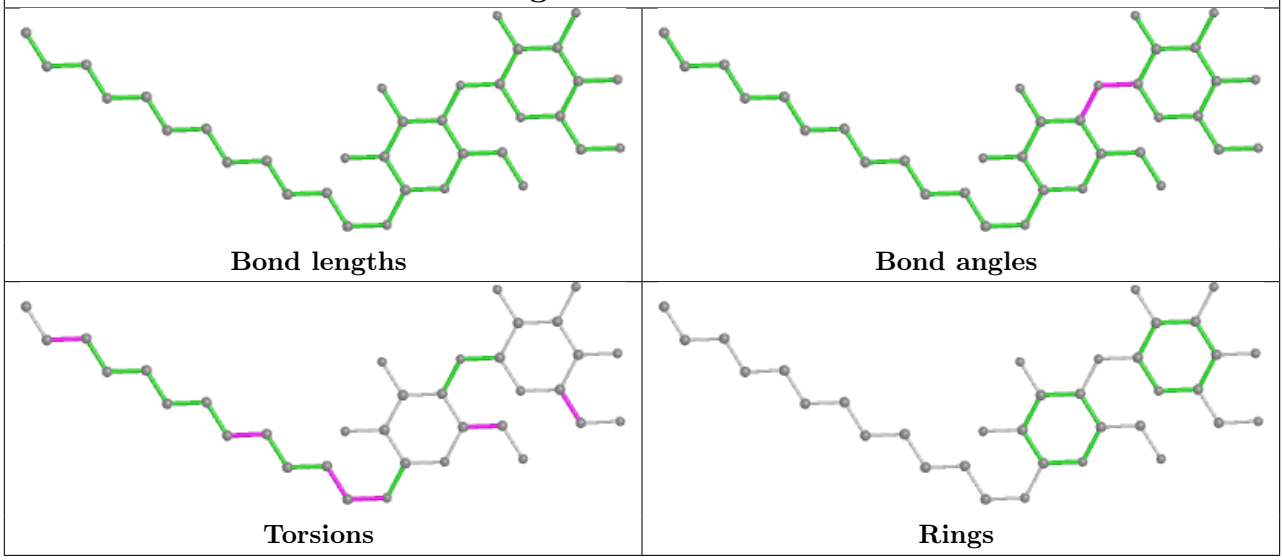
Ligand BCL o 103



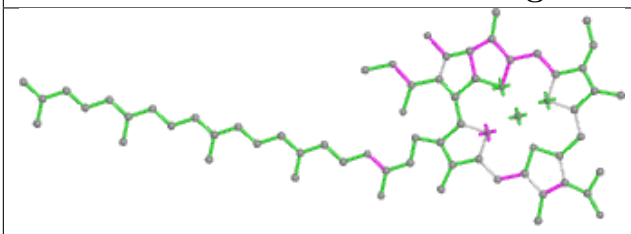
Ligand LMT 5 103



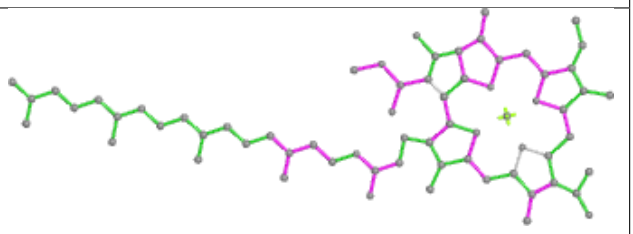
Ligand LMT f 102



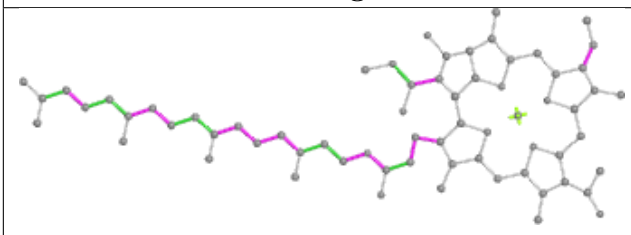
Ligand BCL E 101



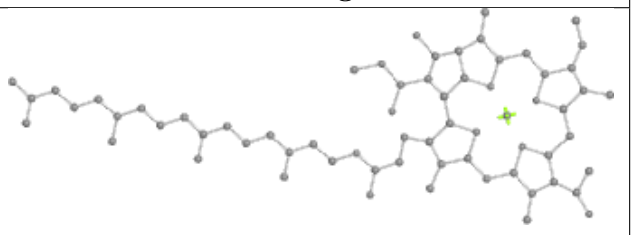
Bond lengths



Bond angles

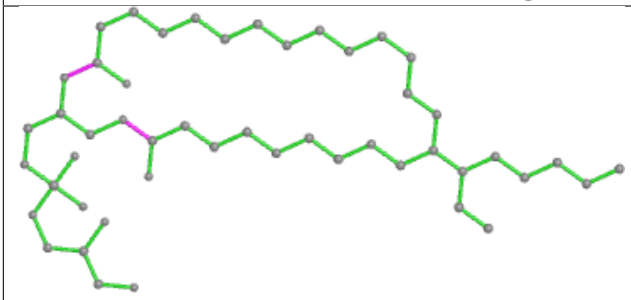


Torsions

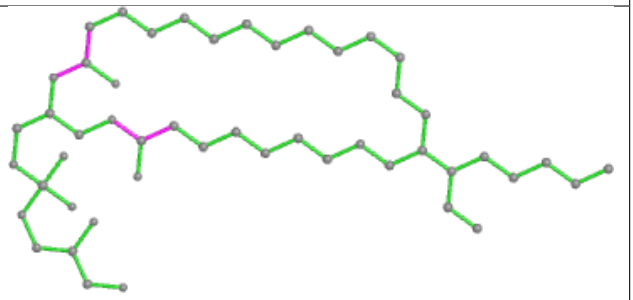


Rings

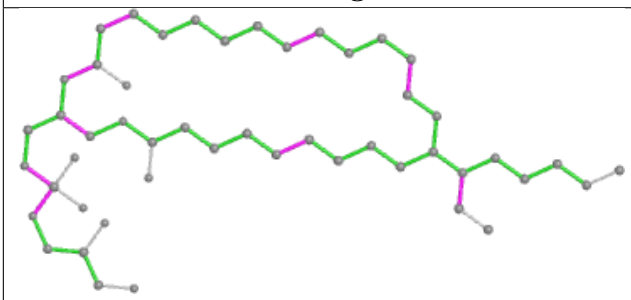
Ligand PGV m 105



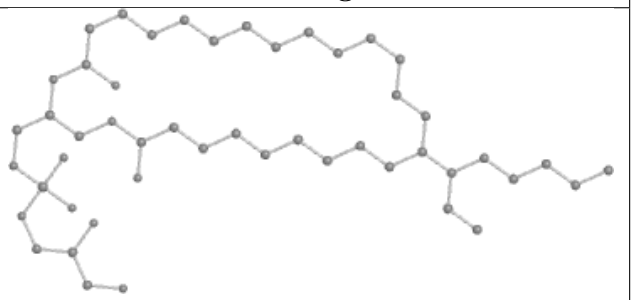
Bond lengths



Bond angles

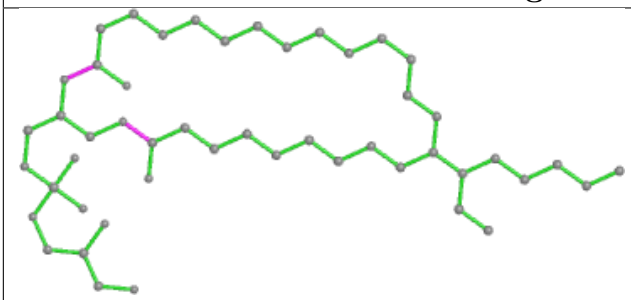


Torsions

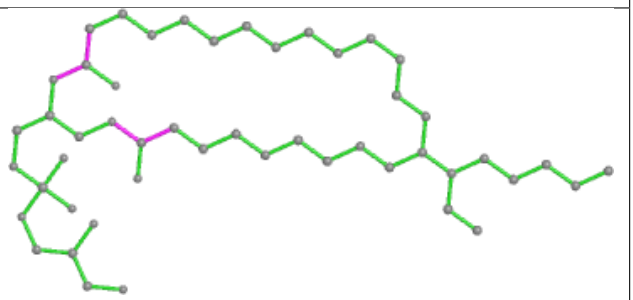


Rings

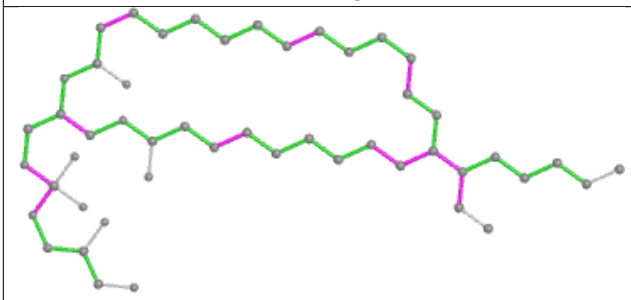
Ligand PGV o 105



Bond lengths



Bond angles



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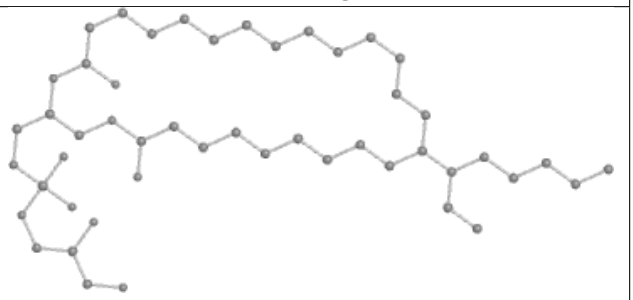
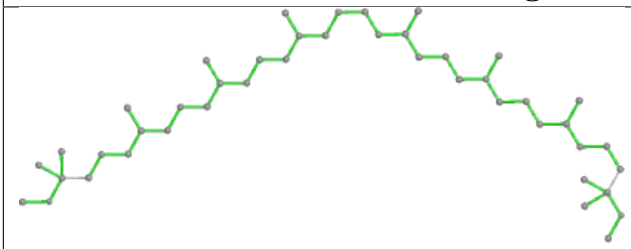


Rings

Ligand CRT V 101



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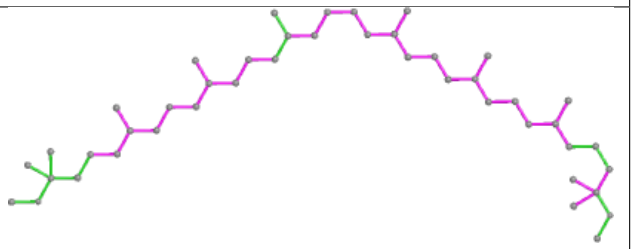
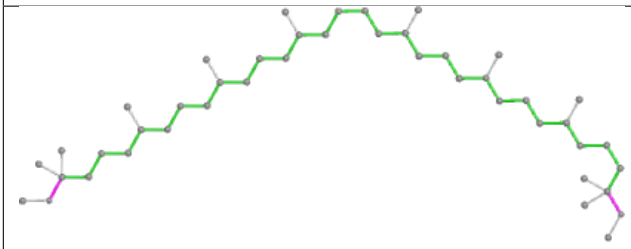
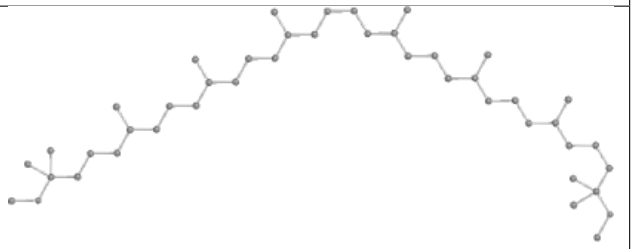


Bond angles

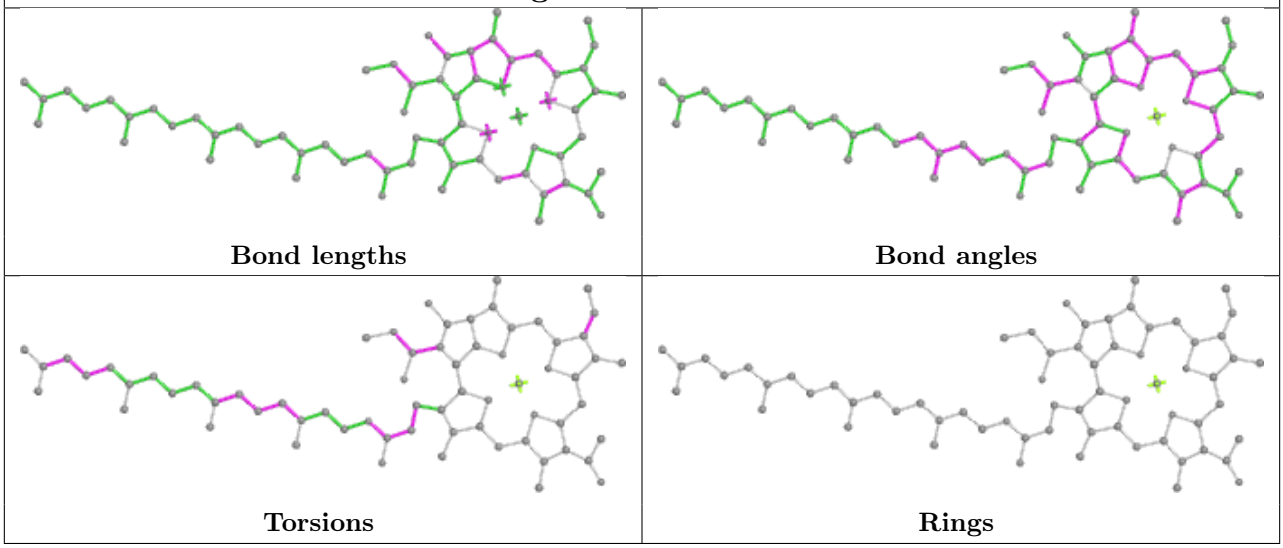


Torsions

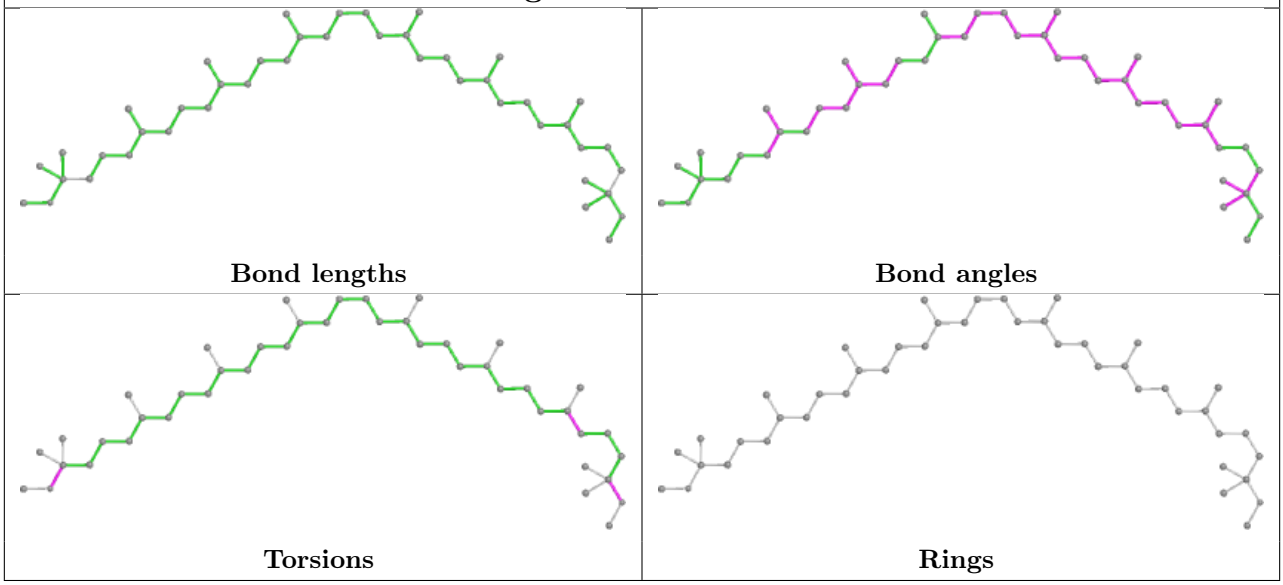


Rings

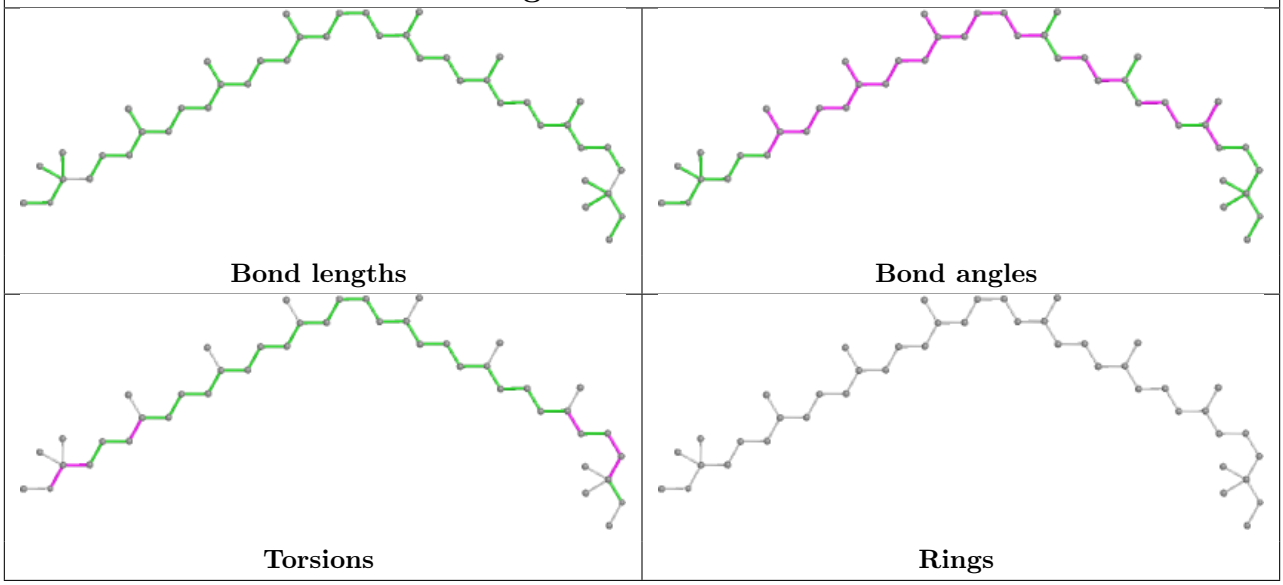
Ligand BCL c 102



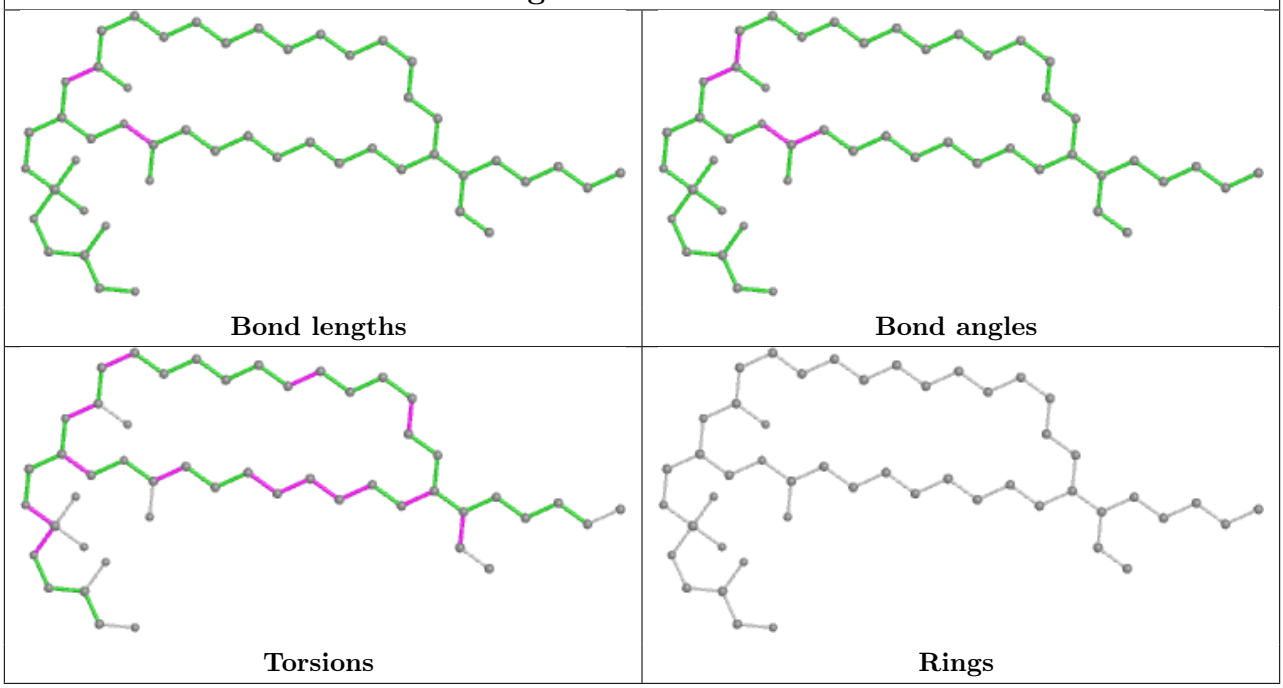
Ligand CRT R 101



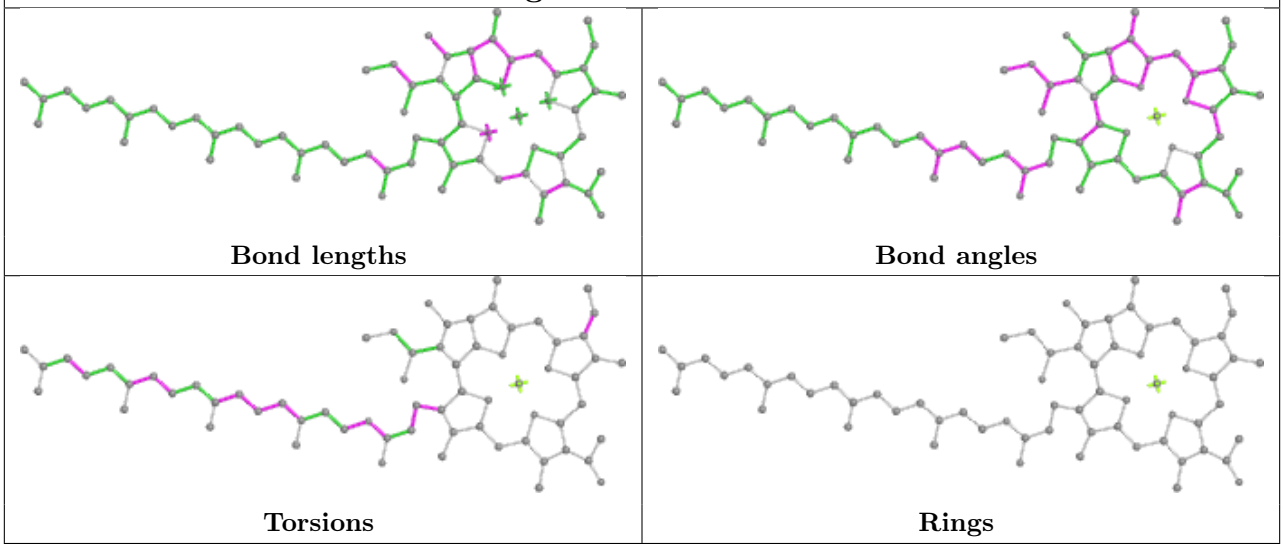
Ligand CRT m 101



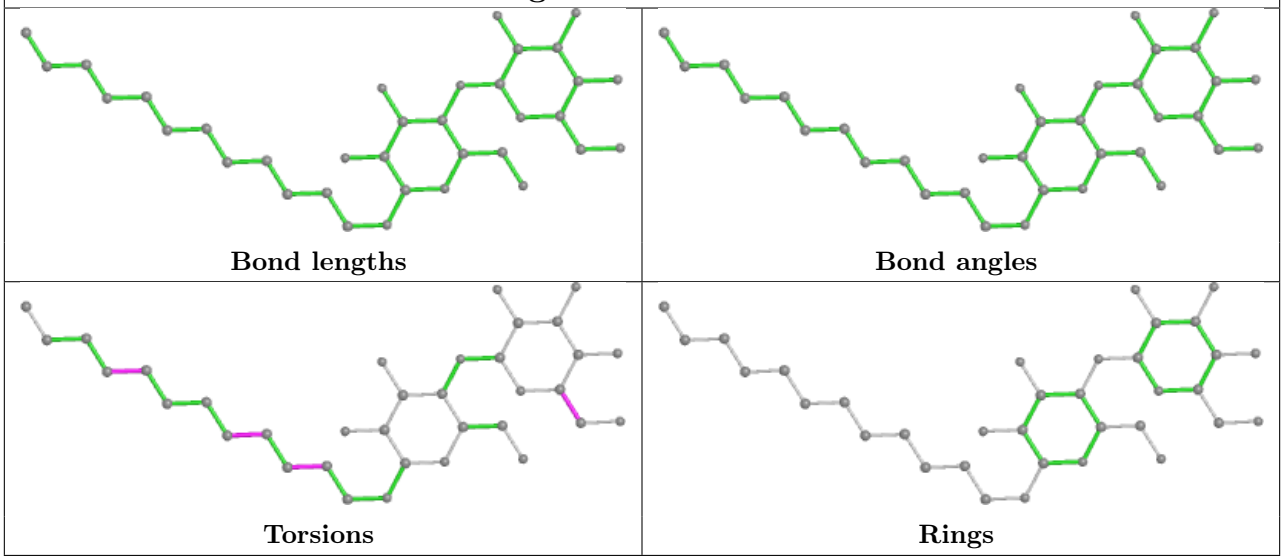
Ligand PGV c 104



Ligand BCL U 101



Ligand LMT I 102



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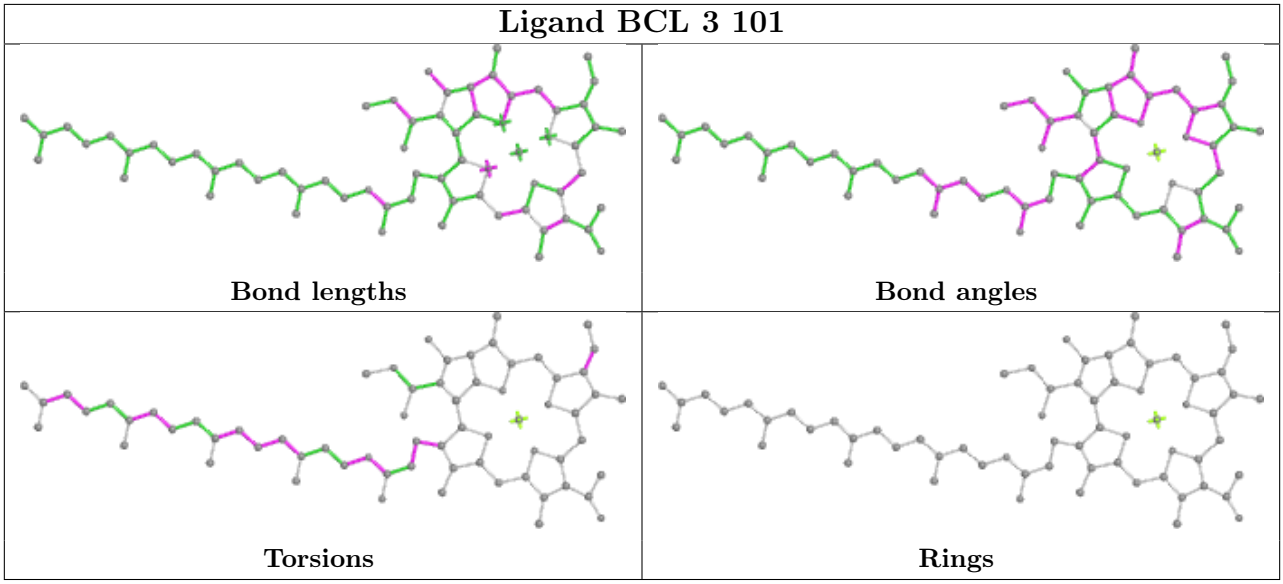
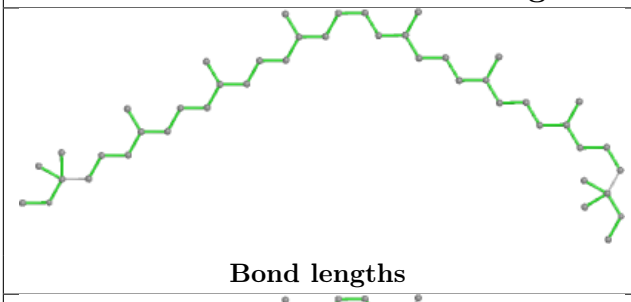
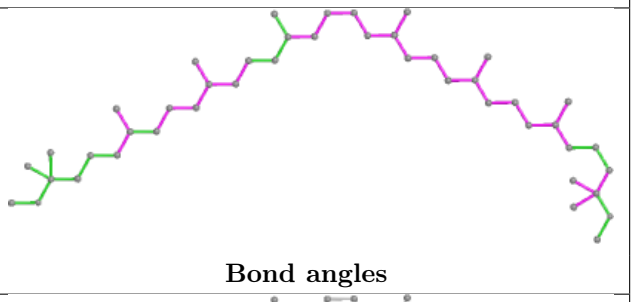


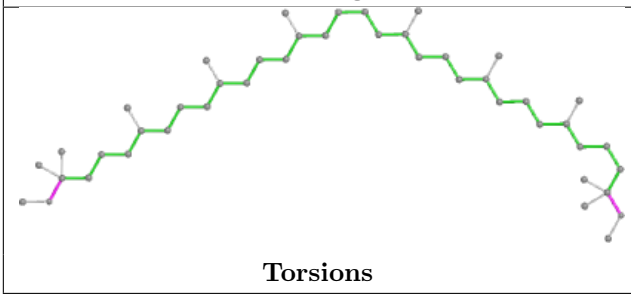
Ligand CRT 8 101



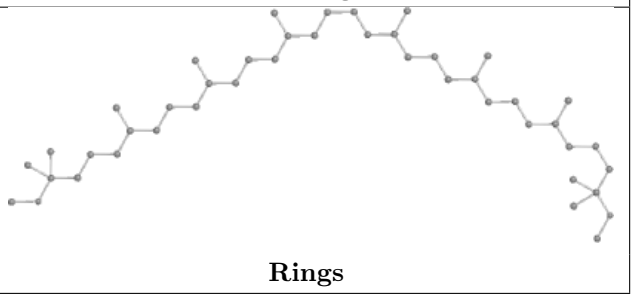
Bond lengths



Bond angles

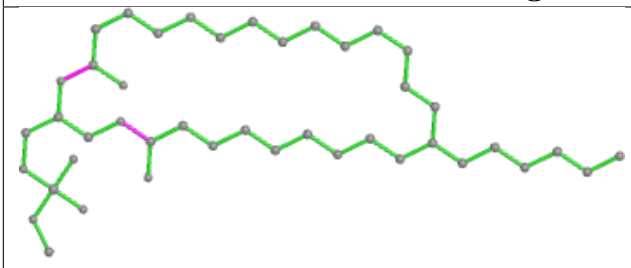


Torsions



Rings

Ligand PGV 2 103



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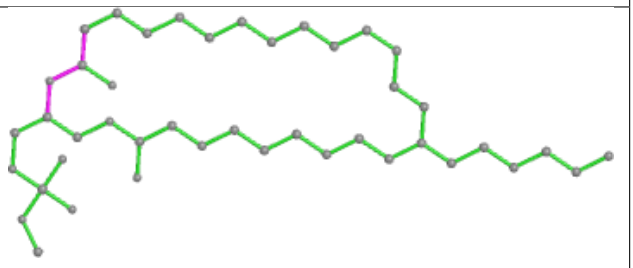
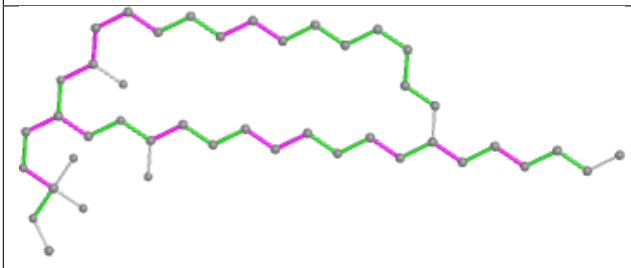
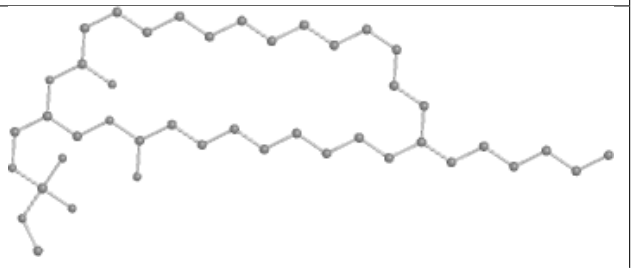


Bond angles

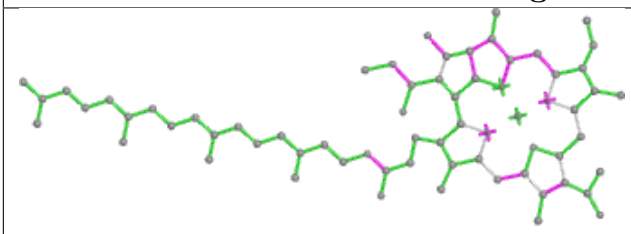


Torsions

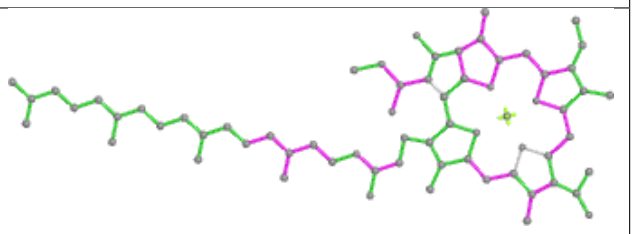


Rings

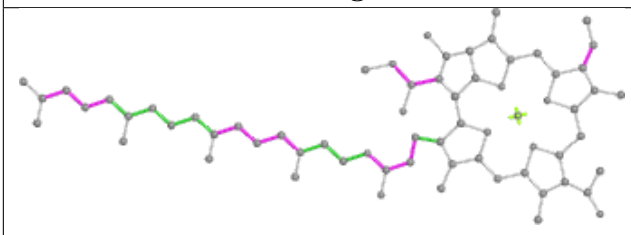
Ligand BCL e 103



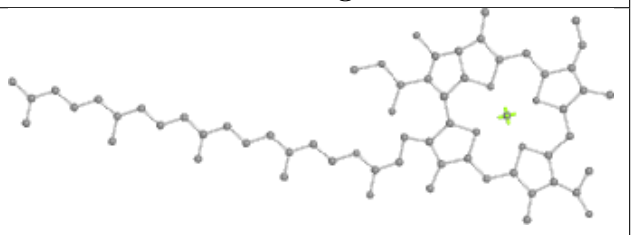
Bond lengths



Bond angles

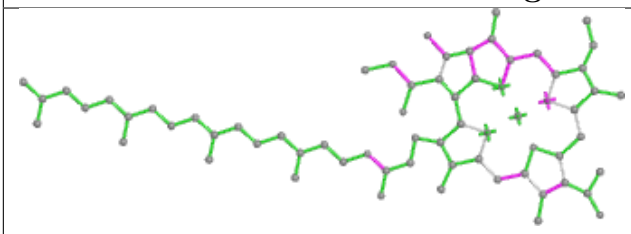


Torsions

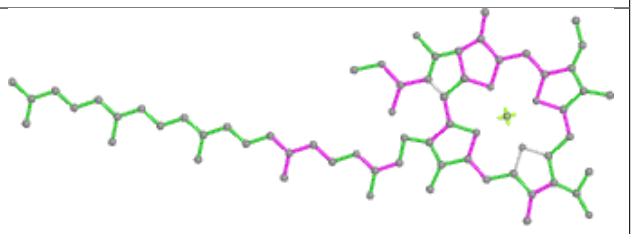


Rings

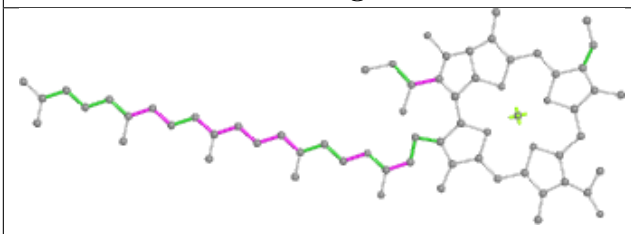
Ligand BCL K 102



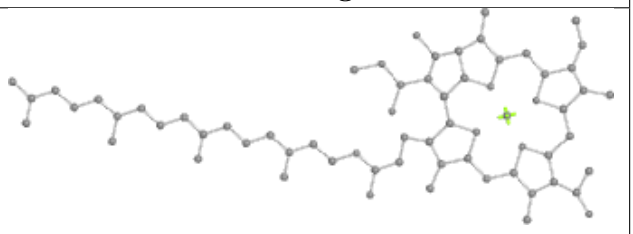
Bond lengths



Bond angles

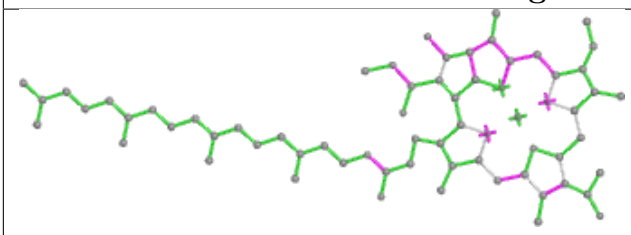


Torsions

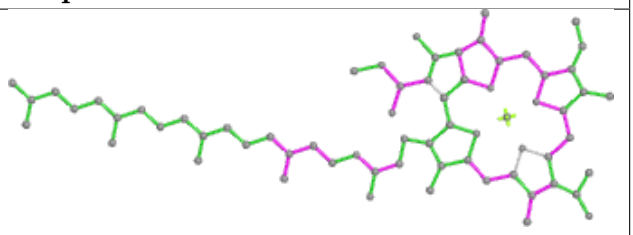


Rings

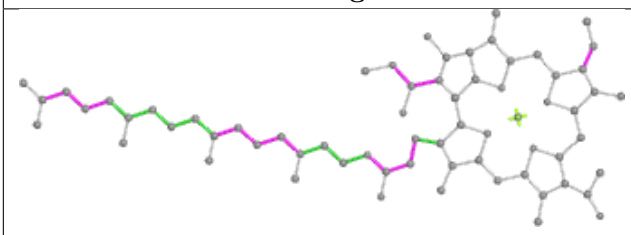
Ligand BCL q 103



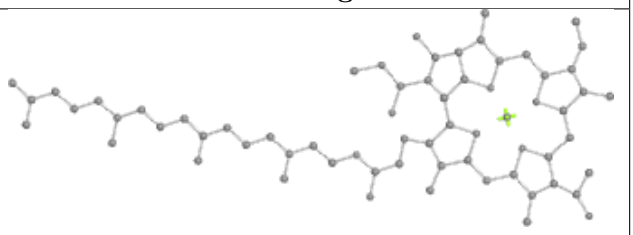
Bond lengths



Bond angles

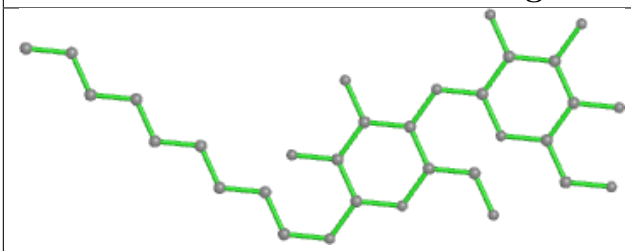


Torsions

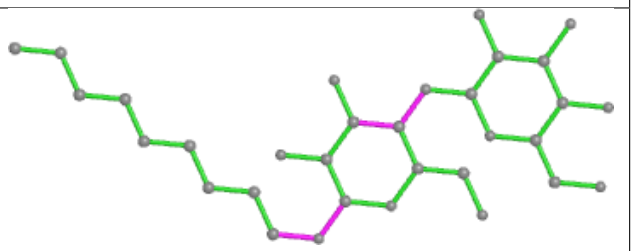


Rings

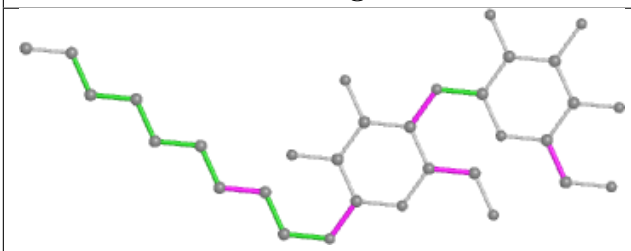
Ligand LMT 9 105



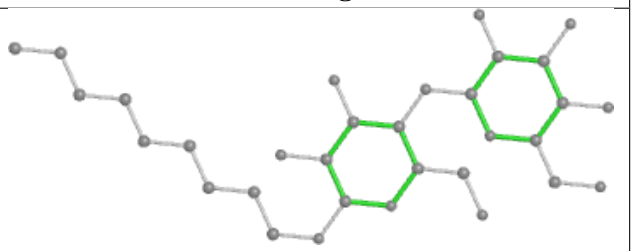
Bond lengths



Bond angles

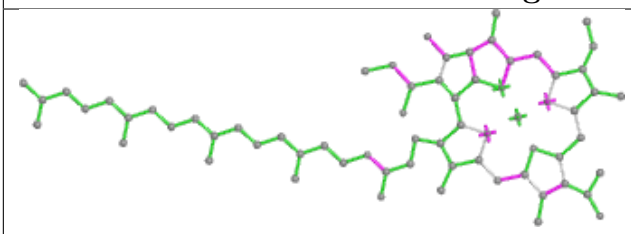


Torsions

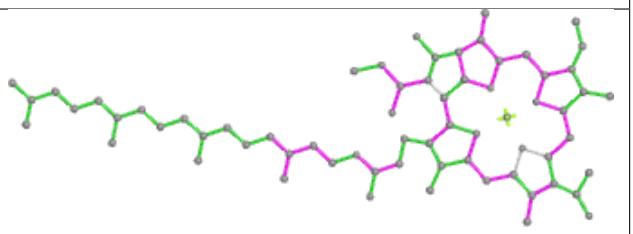


Rings

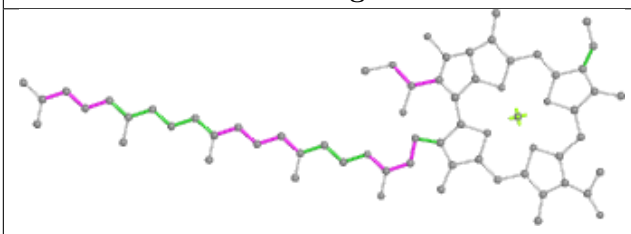
Ligand BCL m 103



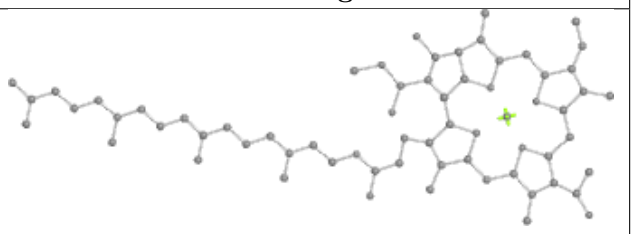
Bond lengths



Bond angles

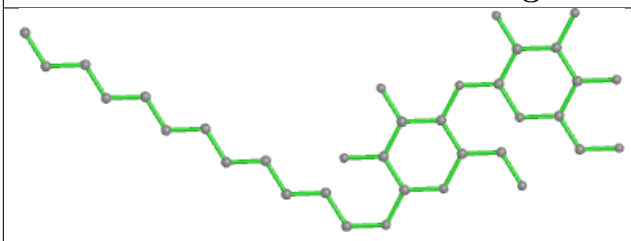


Torsions

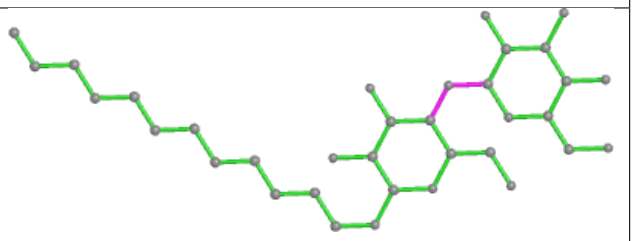


Rings

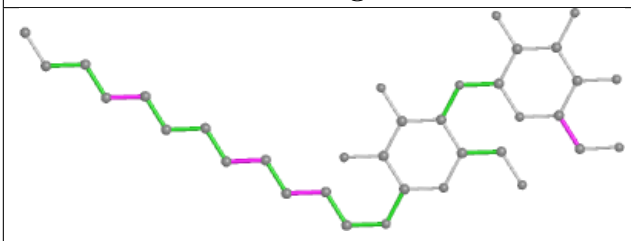
Ligand LMT E 102



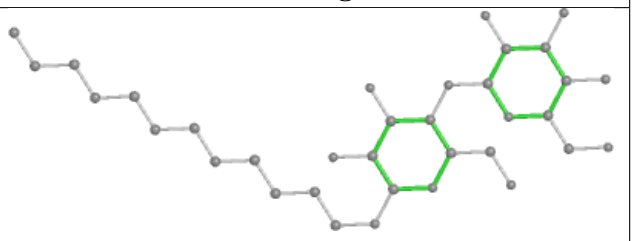
Bond lengths



Bond angles

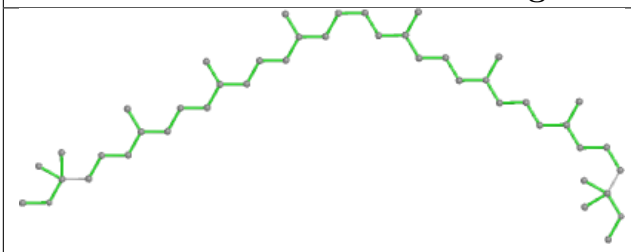


Torsions

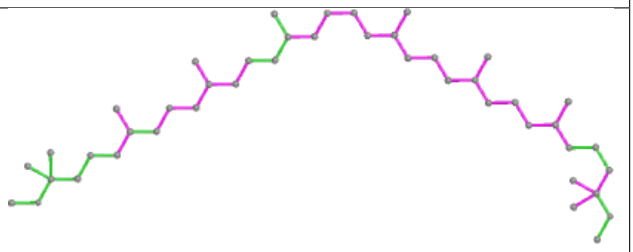


Rings

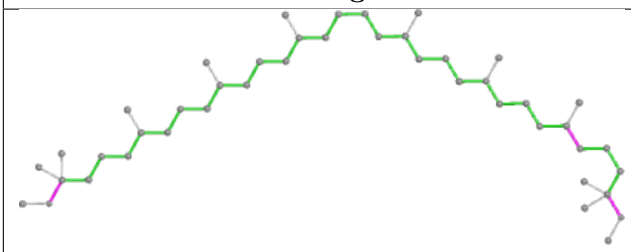
Ligand CRT 4 101



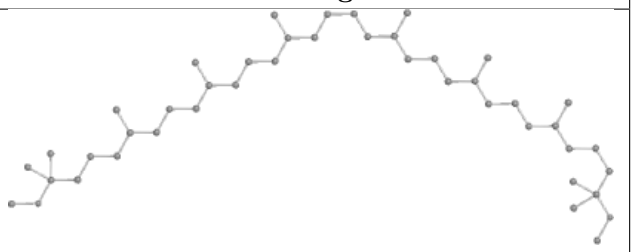
Bond lengths



Bond angles

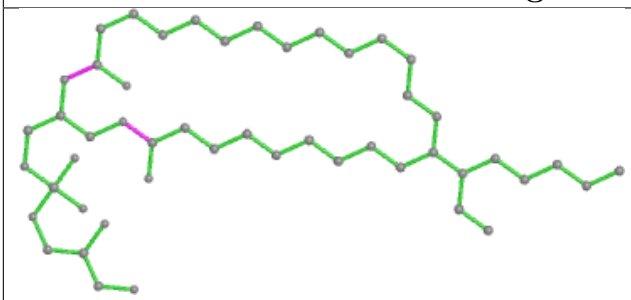


Torsions

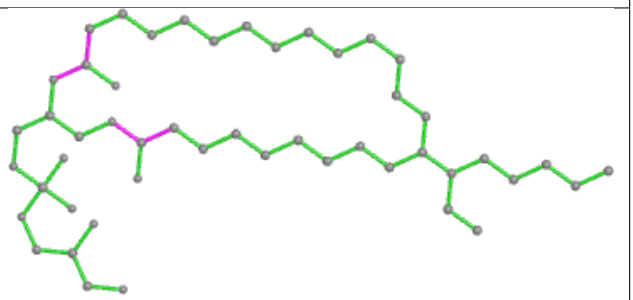


Rings

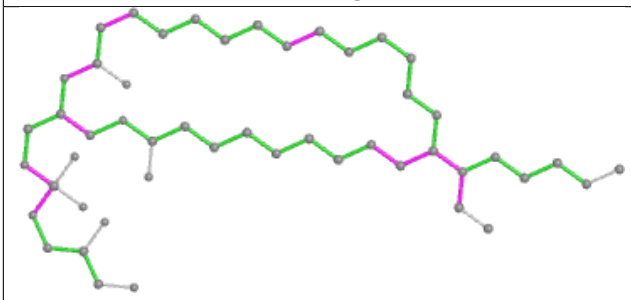
Ligand PGV e 105



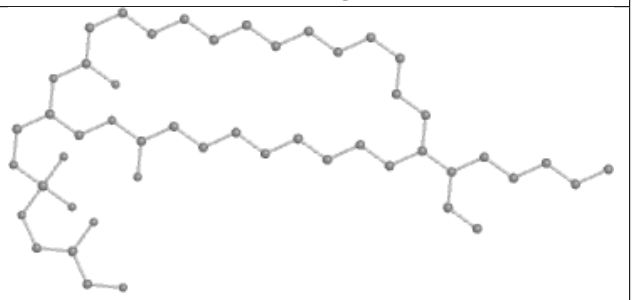
Bond lengths



Bond angles

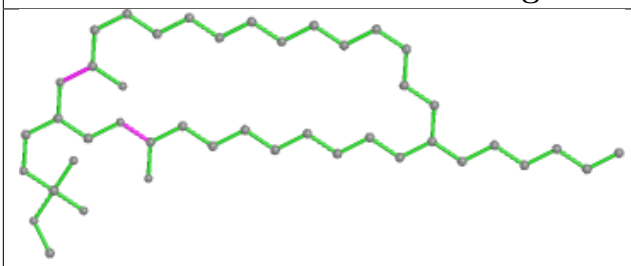


Torsions

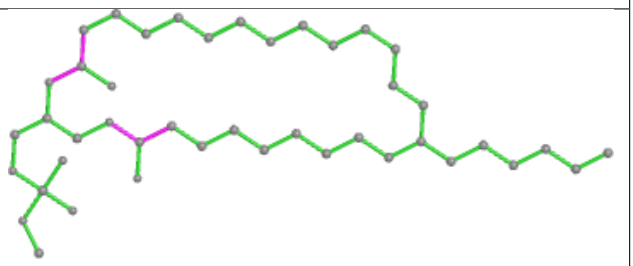


Rings

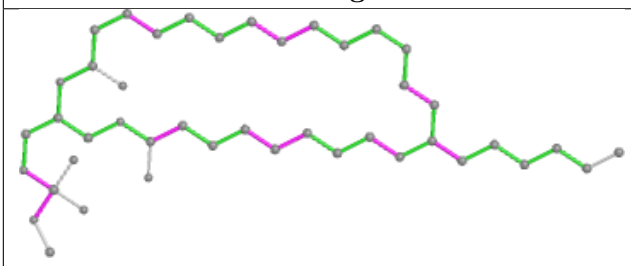
Ligand PGV B 103



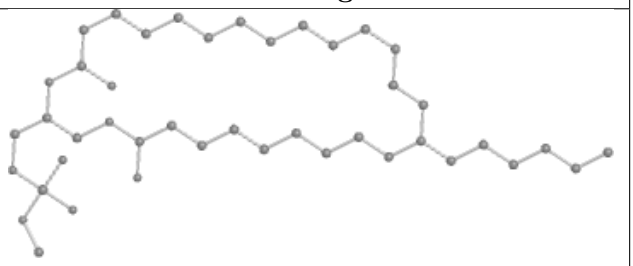
Bond lengths



Bond angles

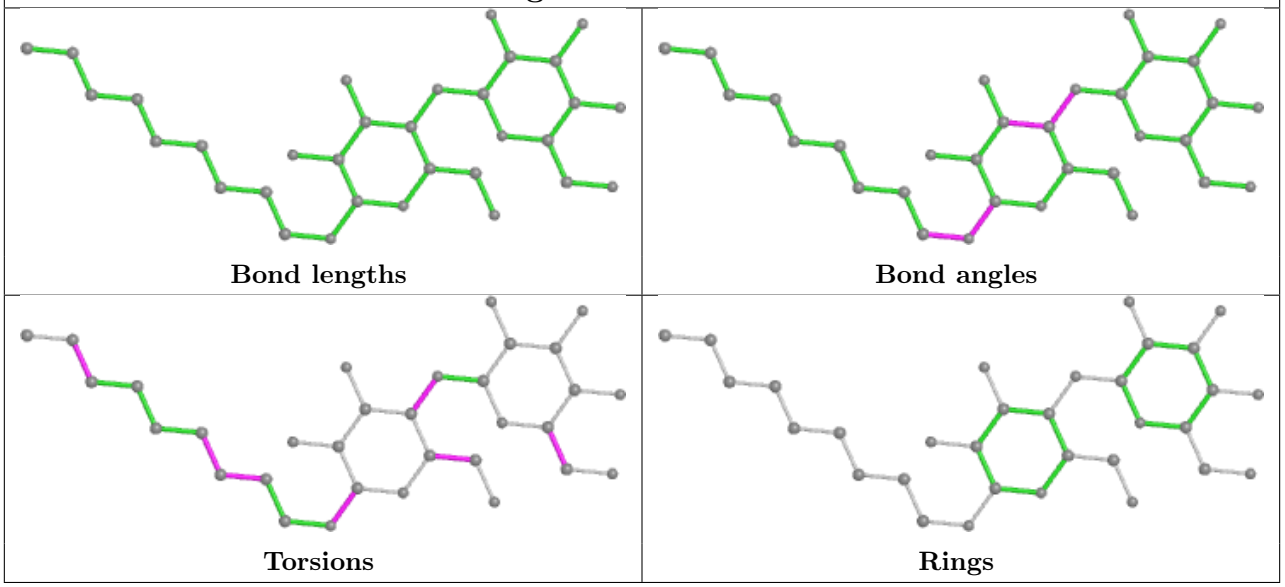


Torsions

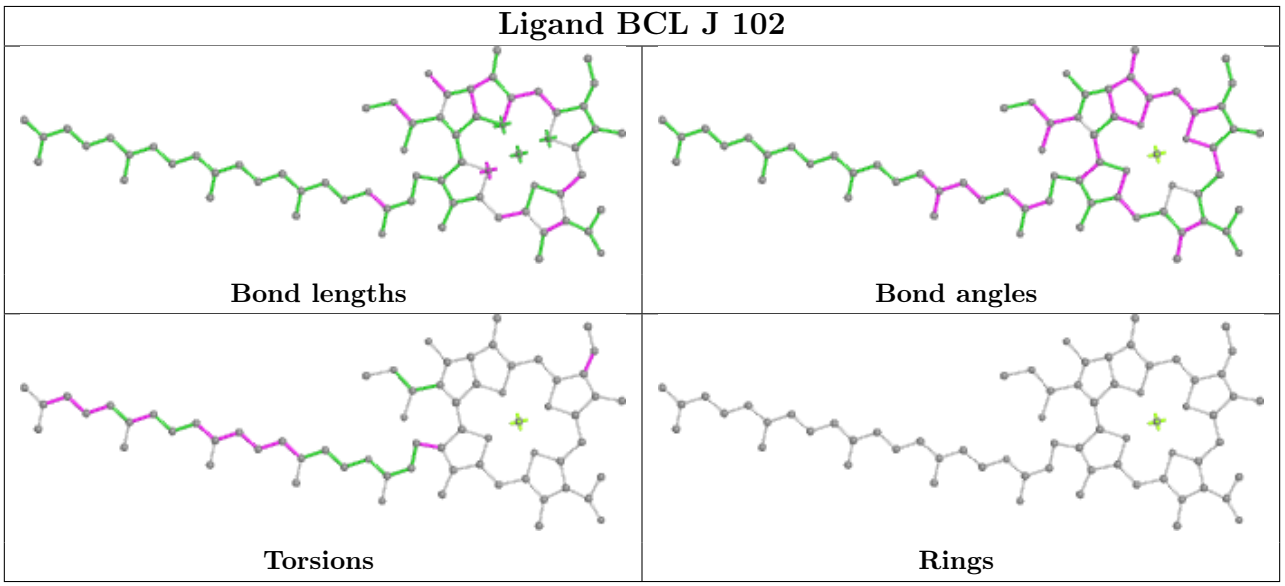


Rings

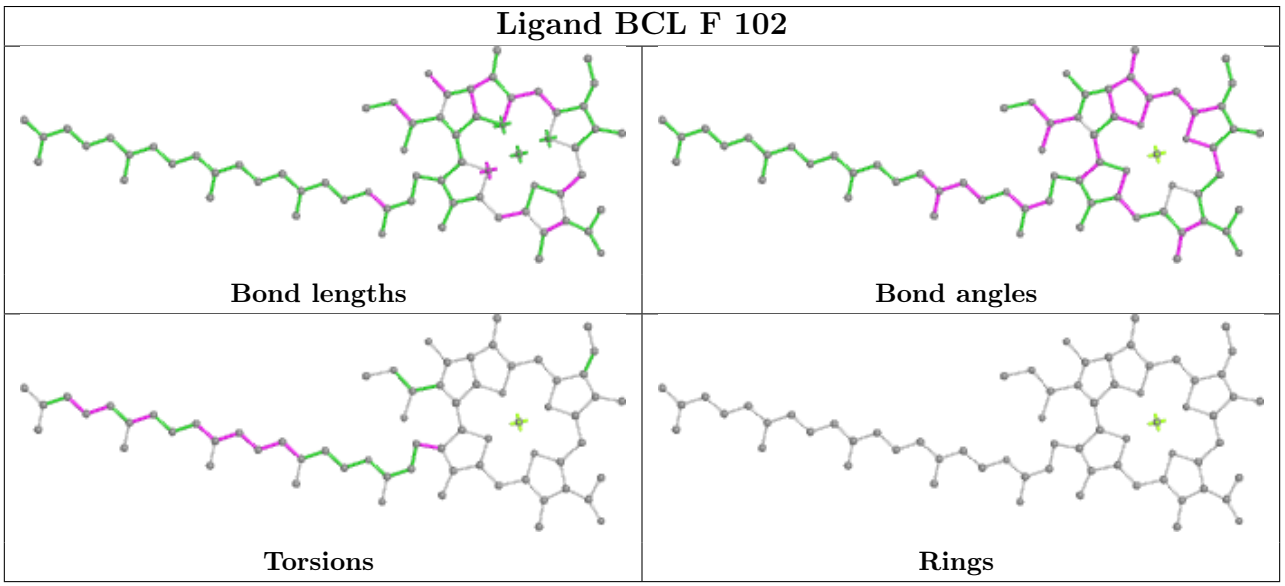
Ligand LMT 1 105



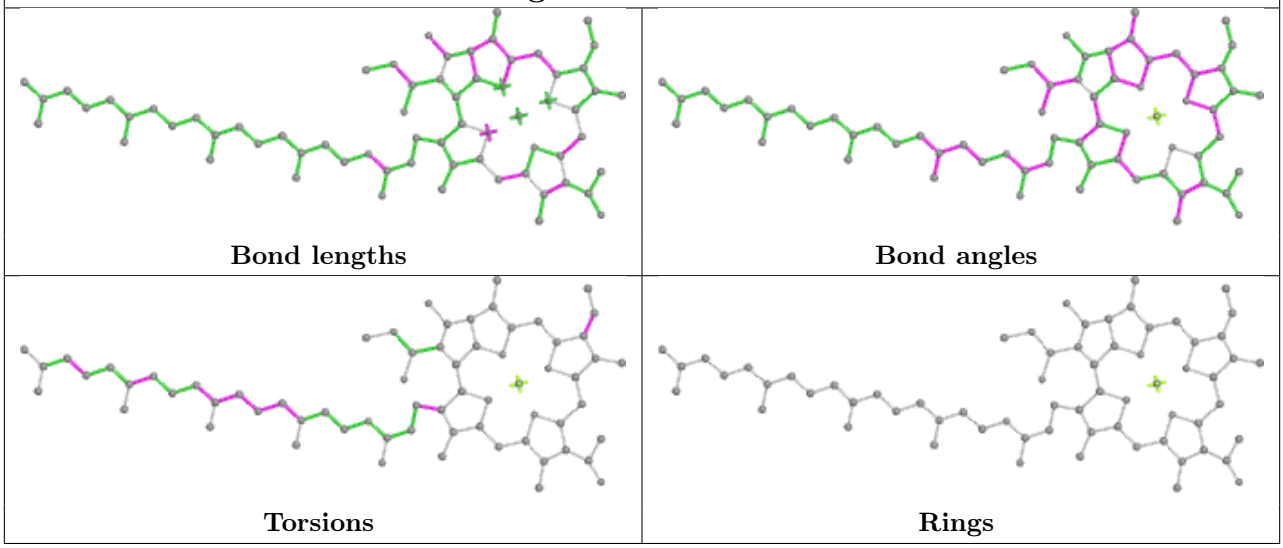
Ligand BCL J 102



Ligand BCL F 102



Ligand BCL Z 102



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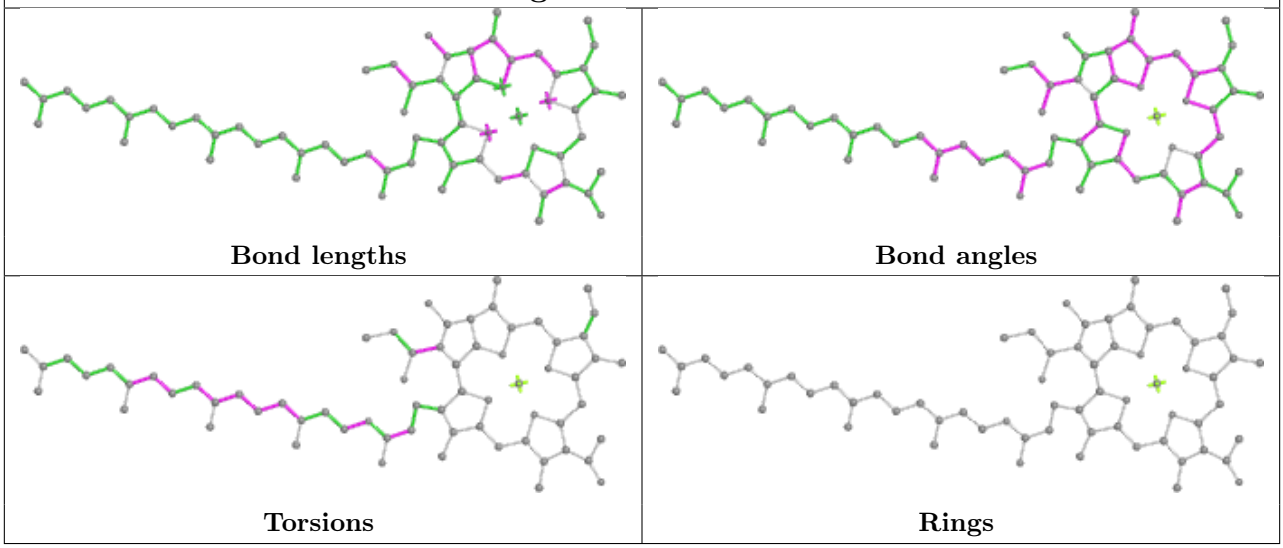
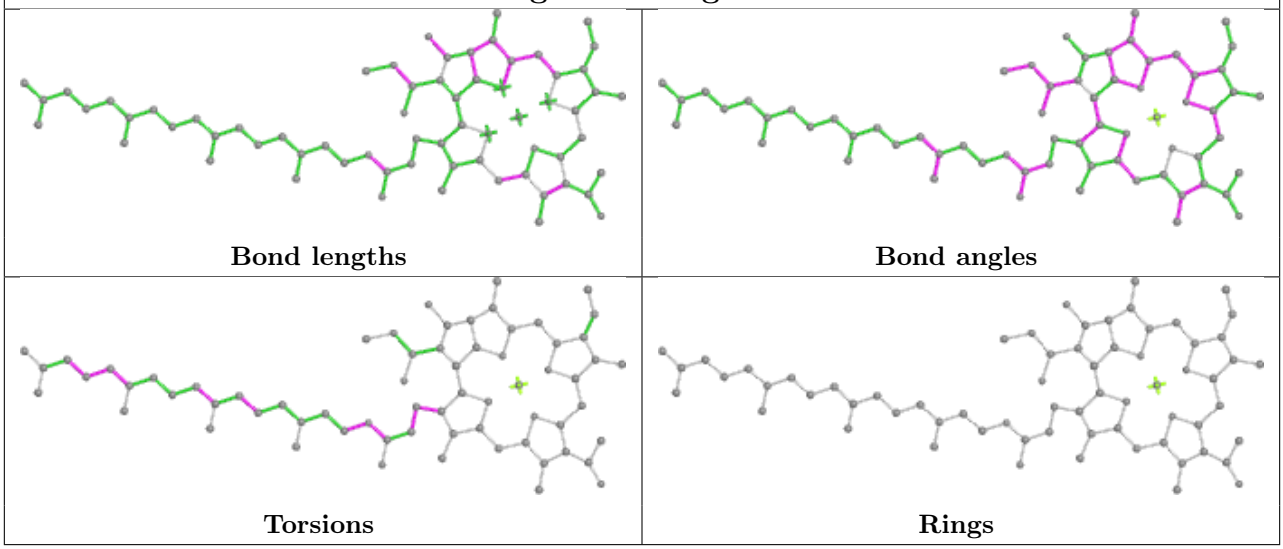
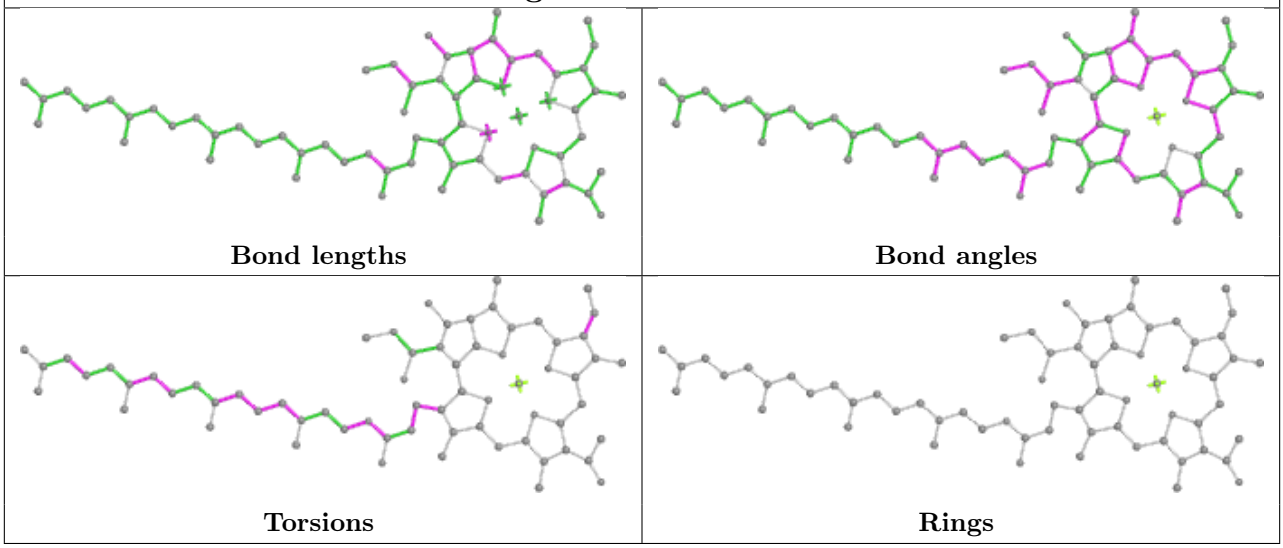


Ligand BCL g 101



Ligand BCL A 101



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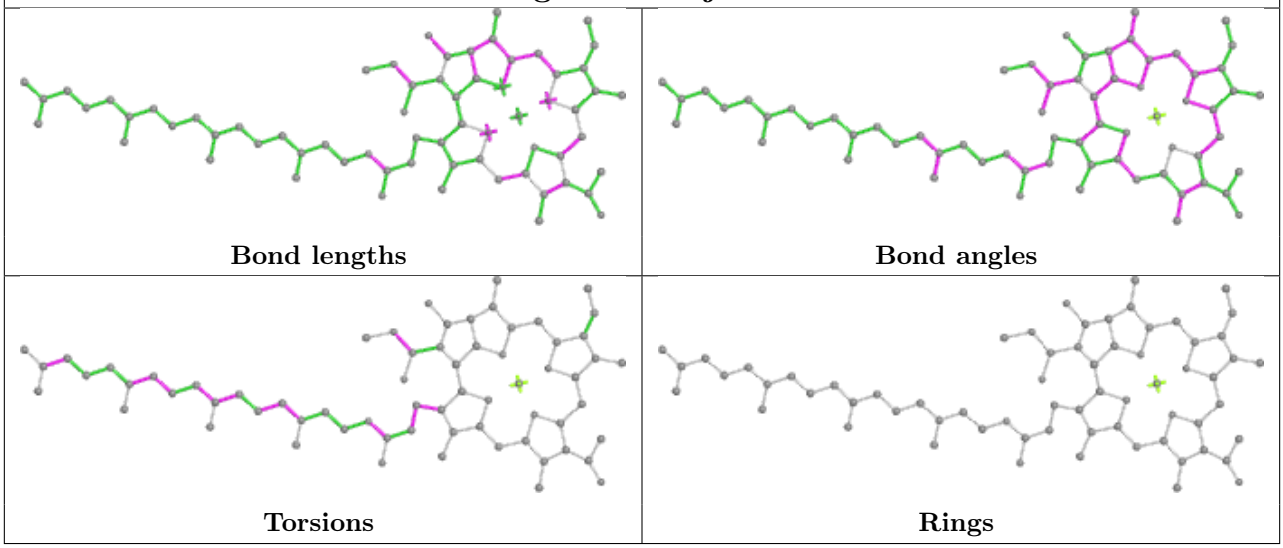
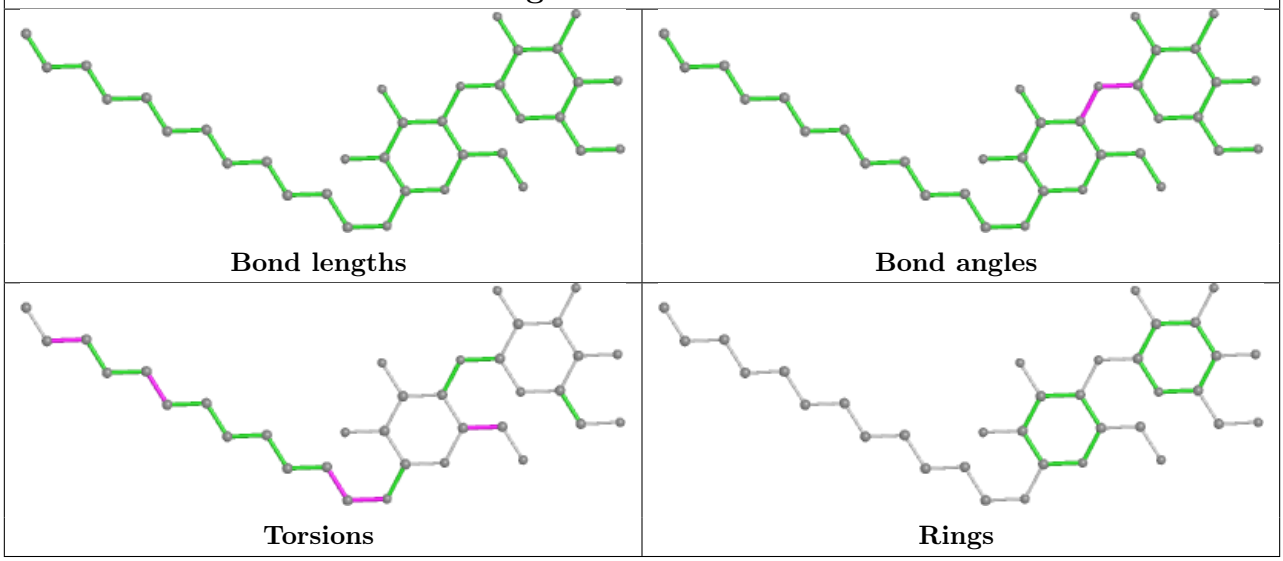
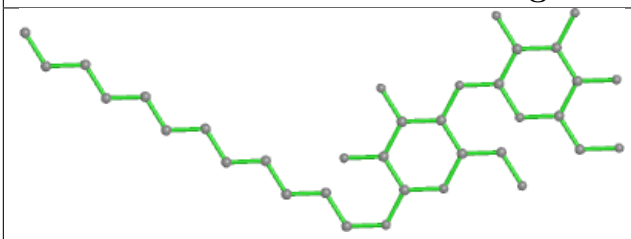


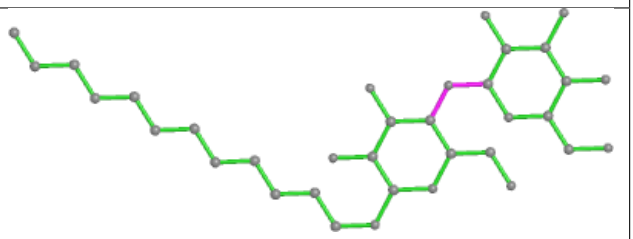
Ligand LMT 5 104



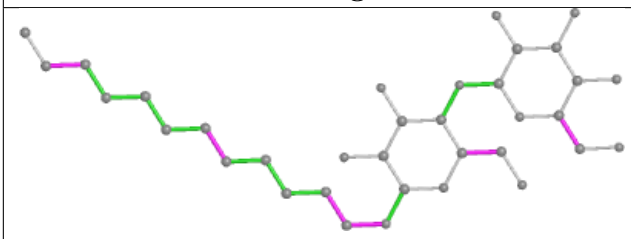
Ligand LMT l 101



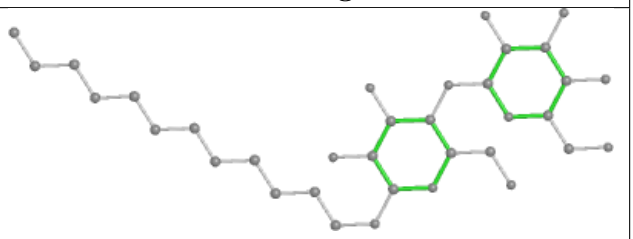
Bond lengths



Bond angles

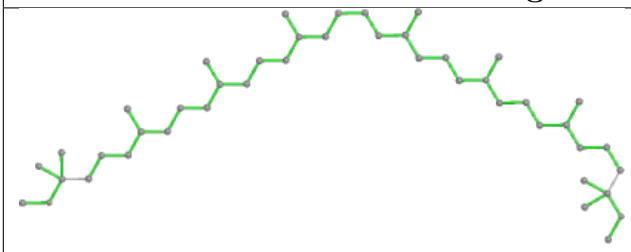


Torsions



Rings

Ligand CRT Z 101



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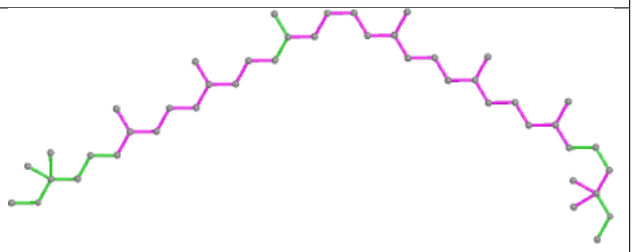
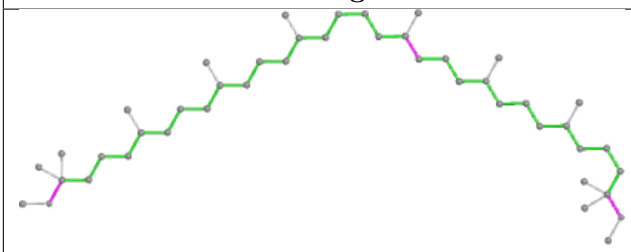
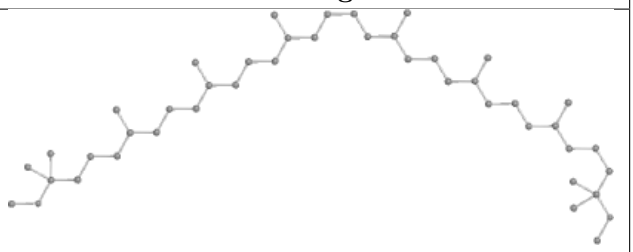


Bond angles

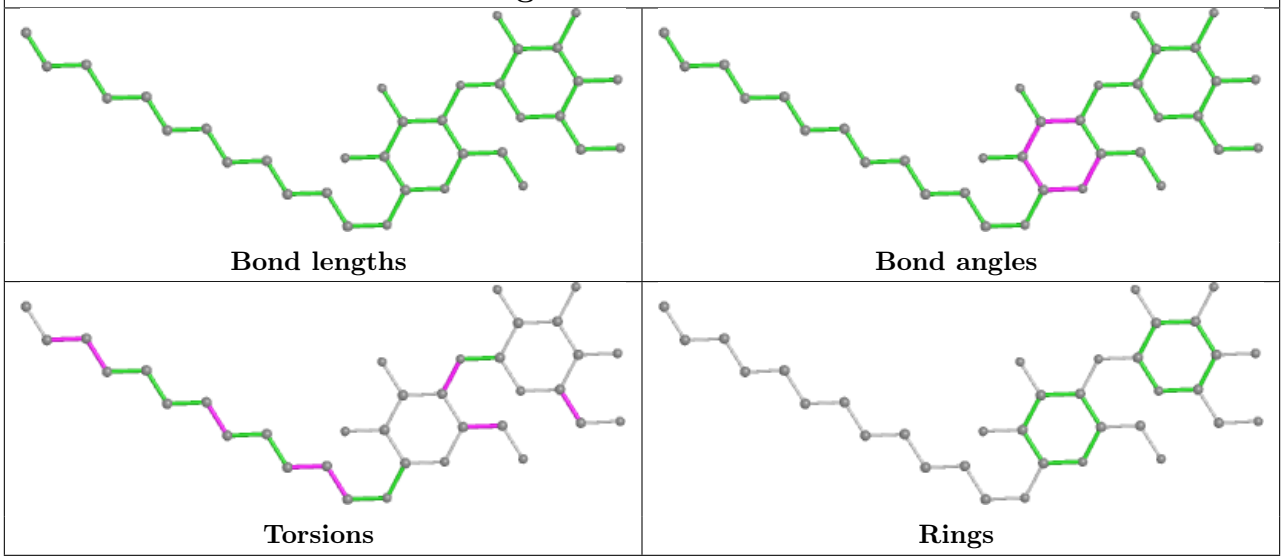


Torsions

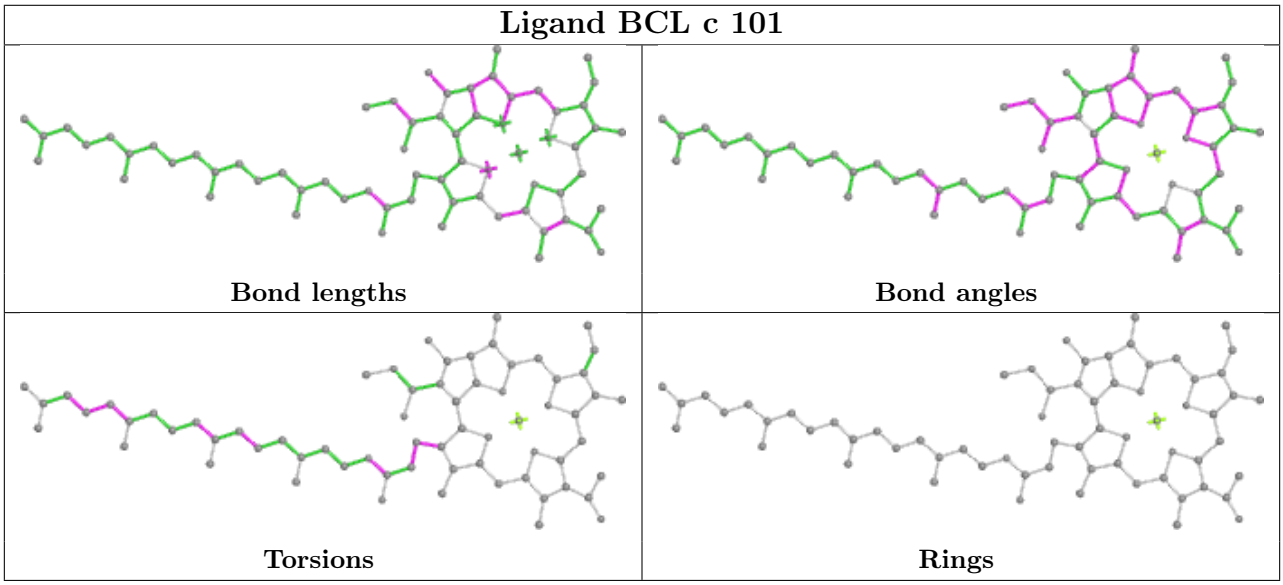


Rings

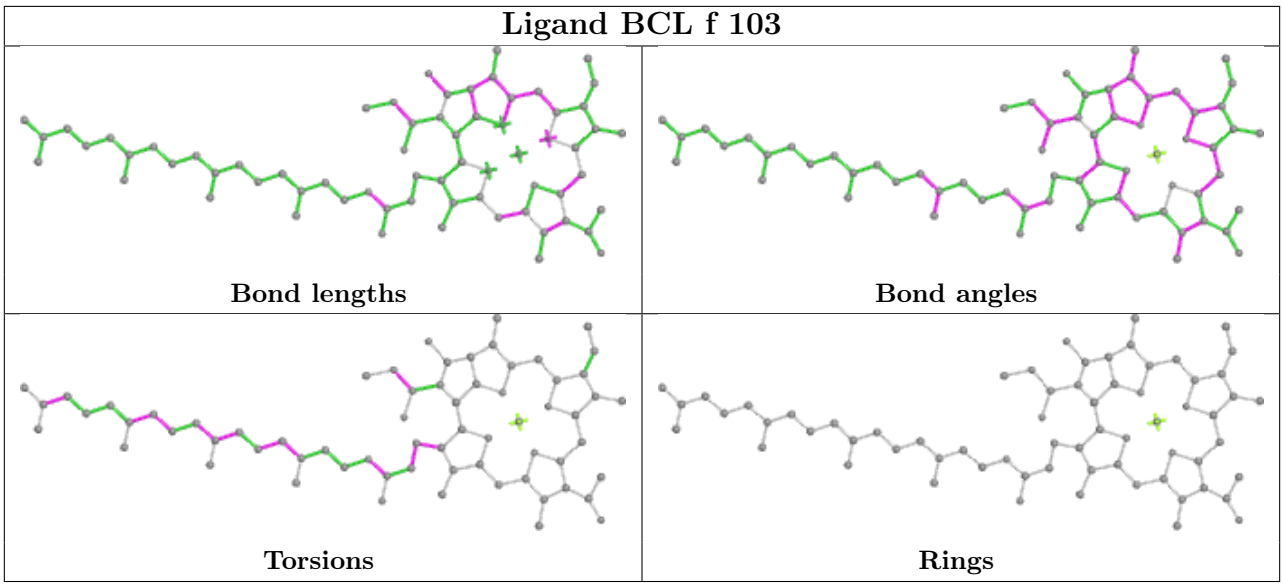
Ligand LMT W 103



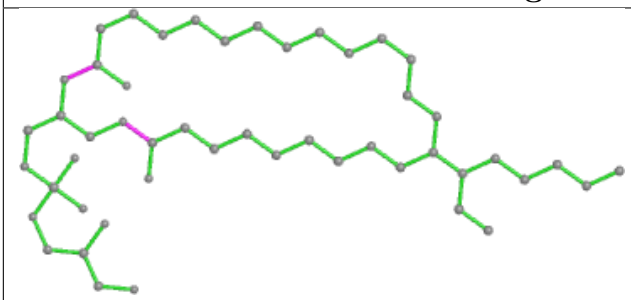
Ligand BCL c 101



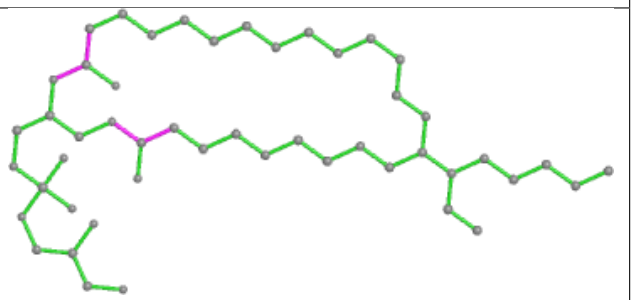
Ligand BCL f 103



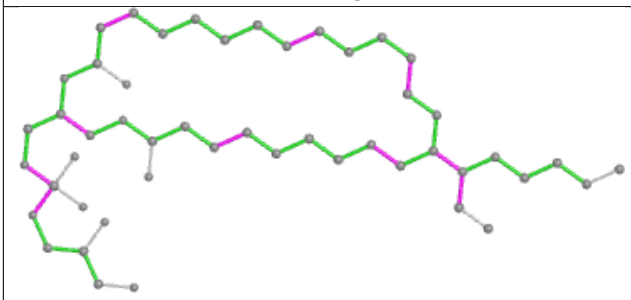
Ligand PGV k 105



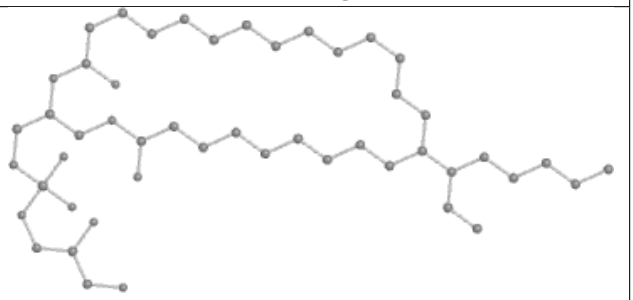
Bond lengths



Bond angles

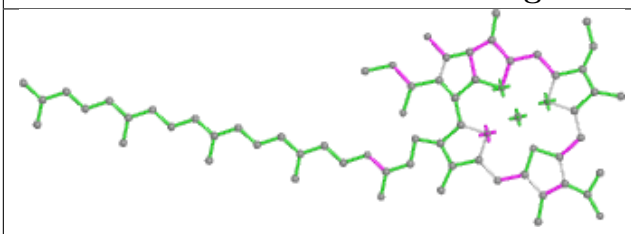


Torsions

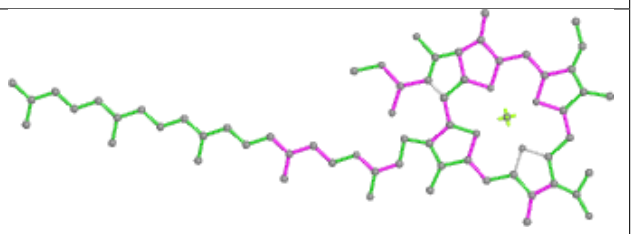


Rings

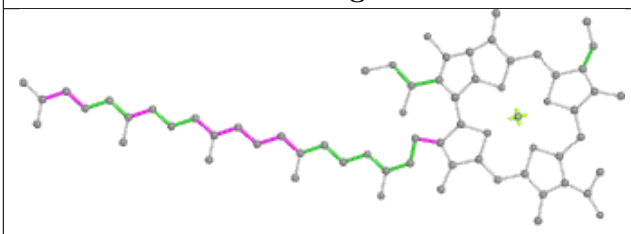
Ligand BCL N 102



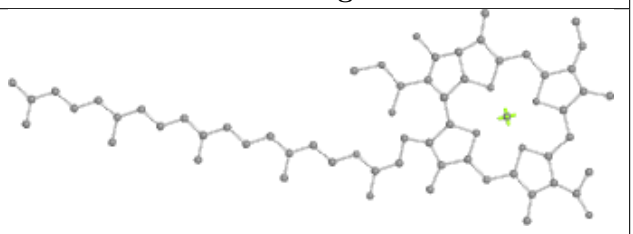
Bond lengths



Bond angles

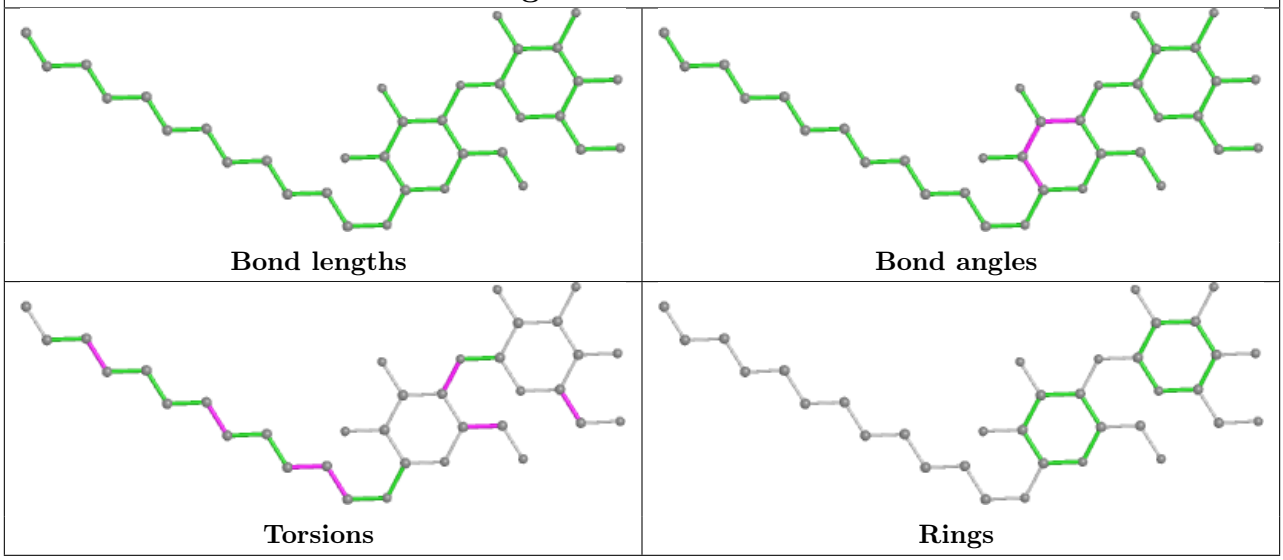


Torsions

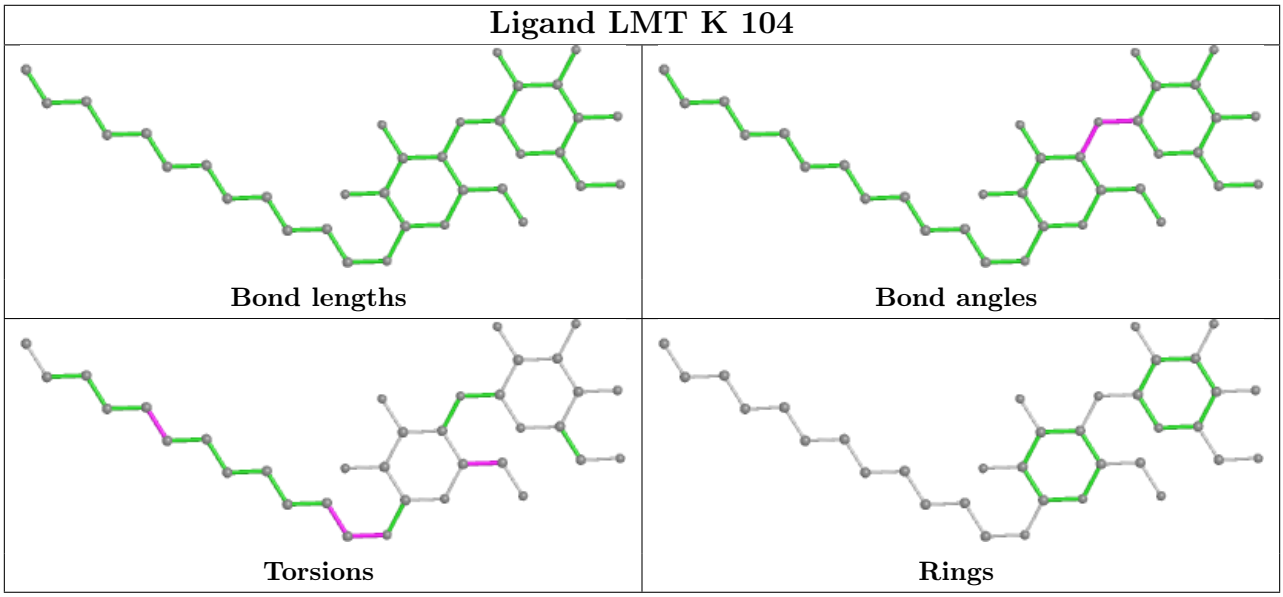


Rings

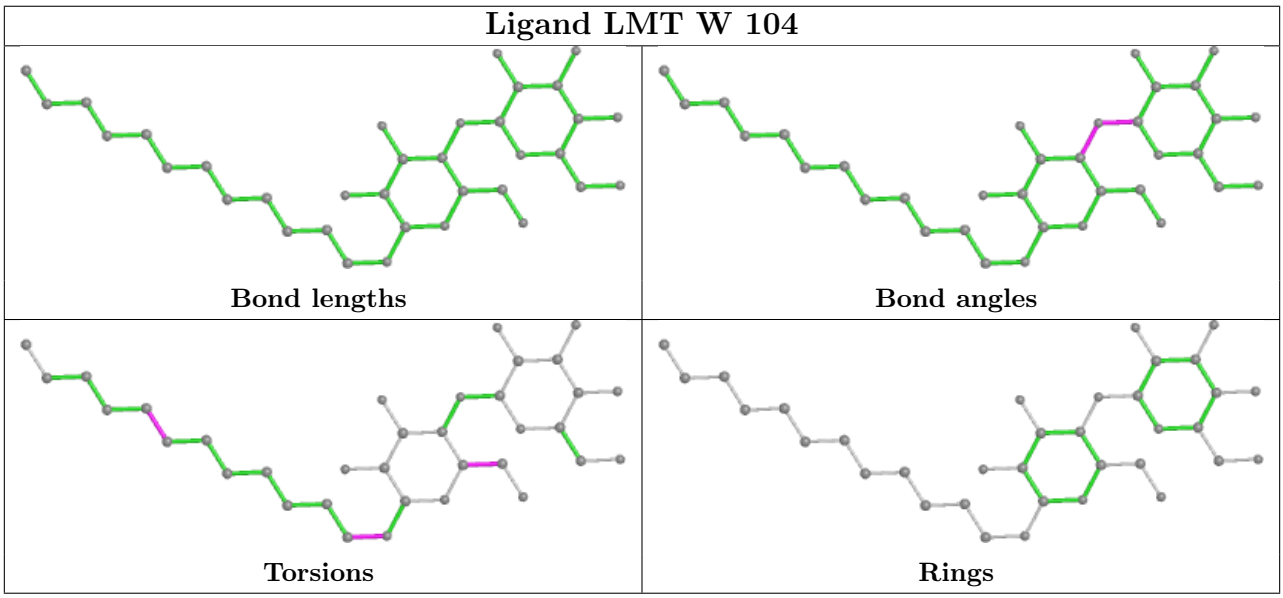
Ligand LMT O 103



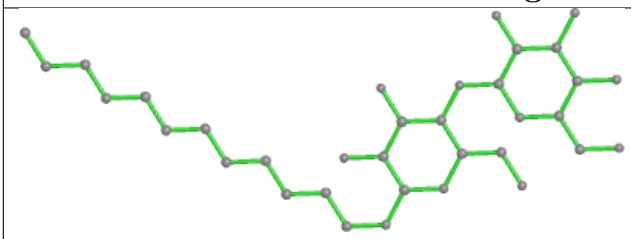
Ligand LMT K 104



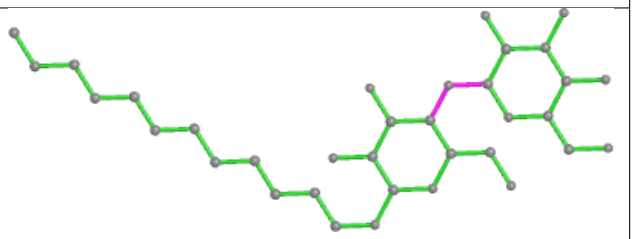
Ligand LMT W 104



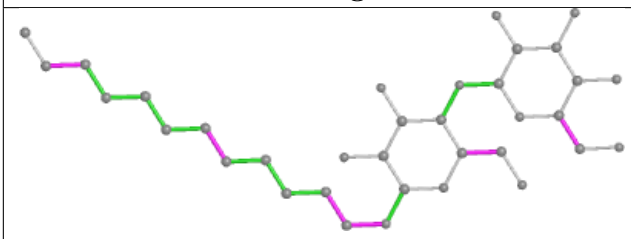
Ligand LMT h 102



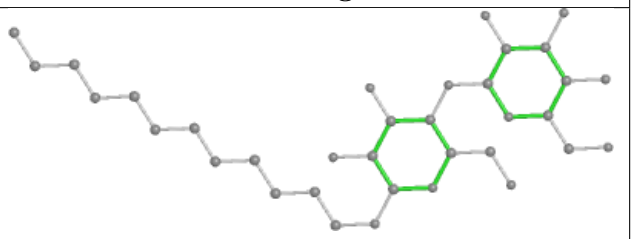
Bond lengths



Bond angles

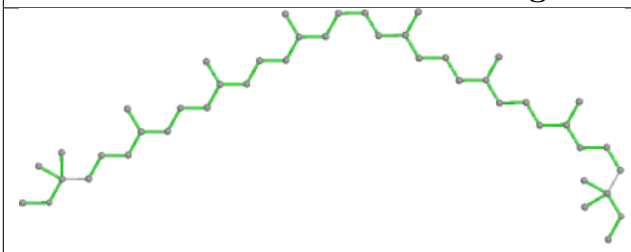


Torsions

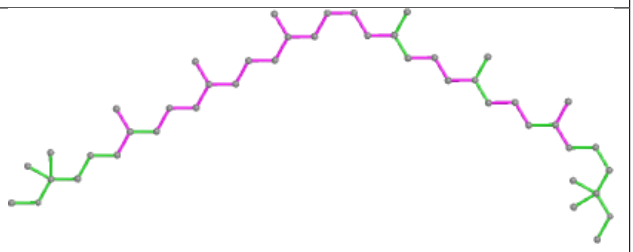


Rings

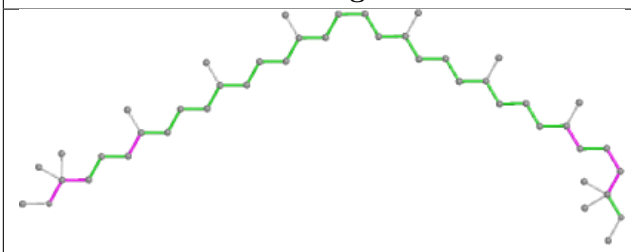
Ligand CRT e 101



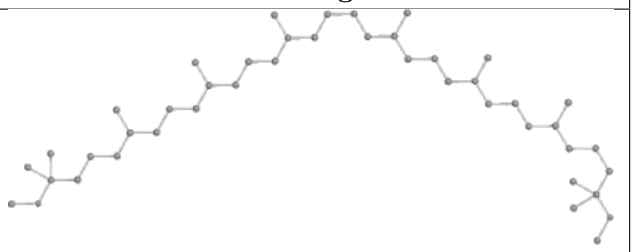
Bond lengths



Bond angles

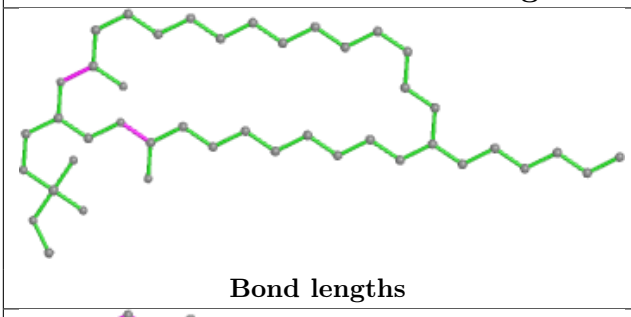


Torsions

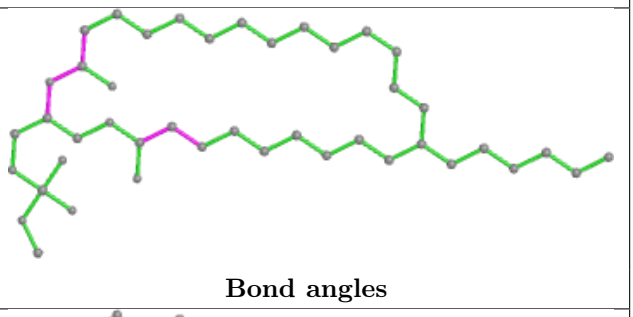


Rings

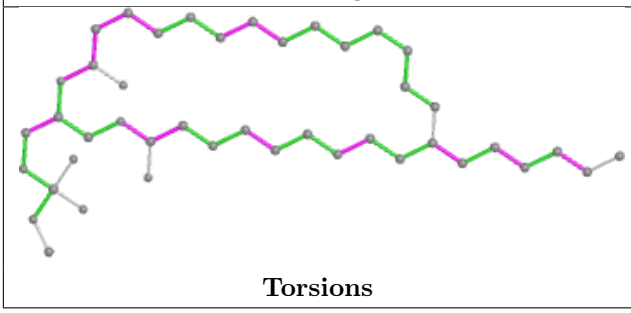
Ligand PGV X 102



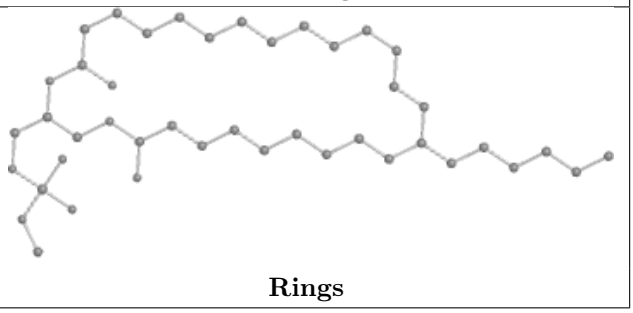
Bond lengths



Bond angles

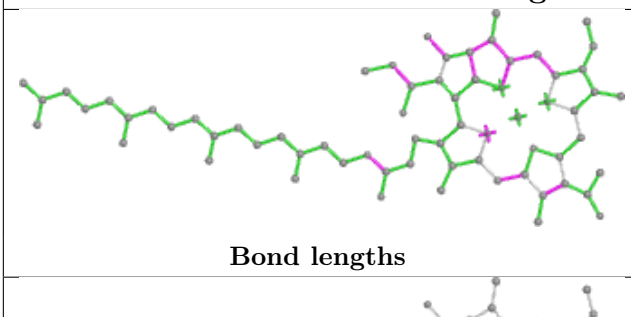


Torsions

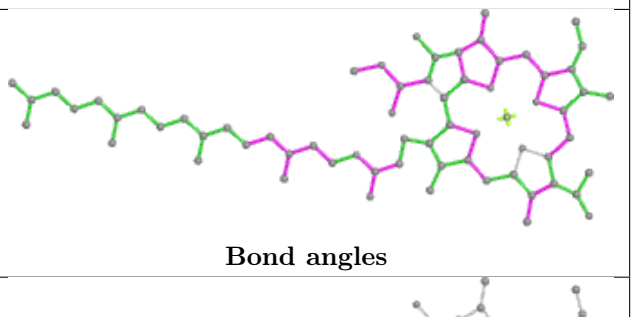


Rings

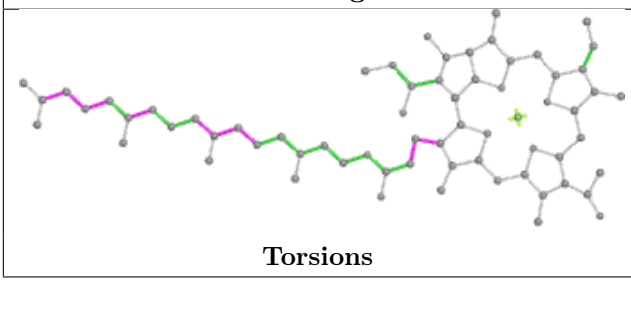
Ligand BCL 1 101



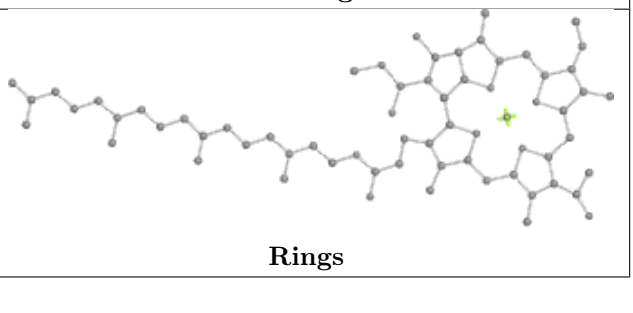
Bond lengths



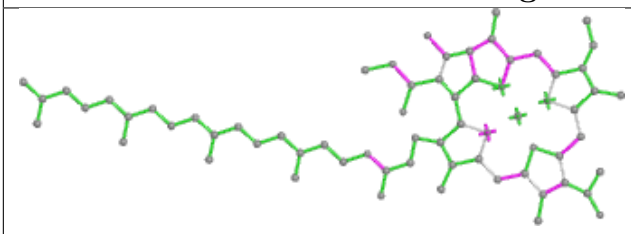
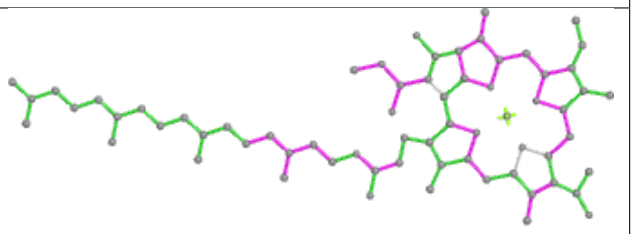
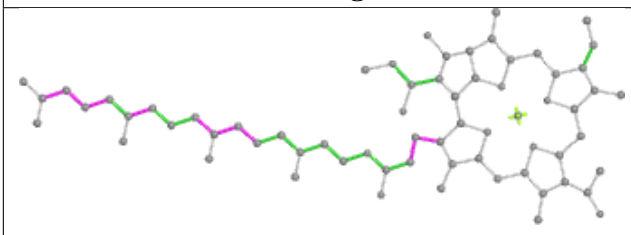
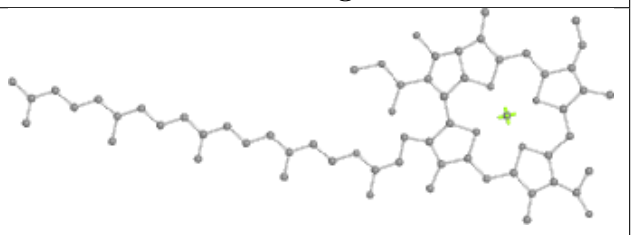
Bond angles

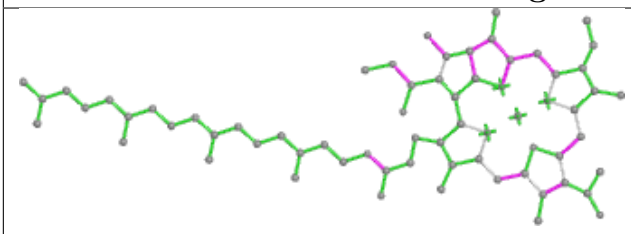
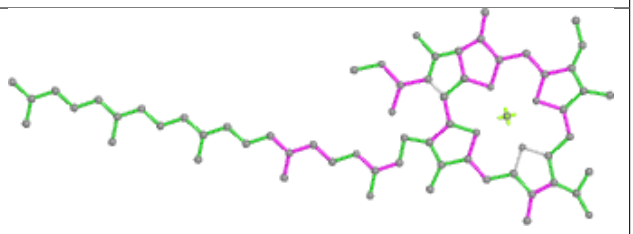
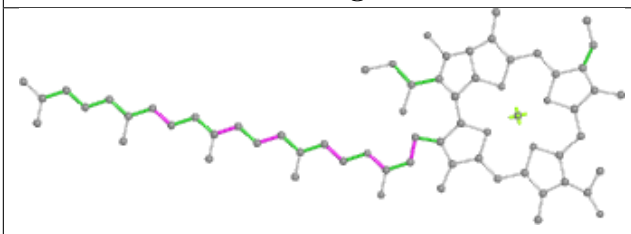
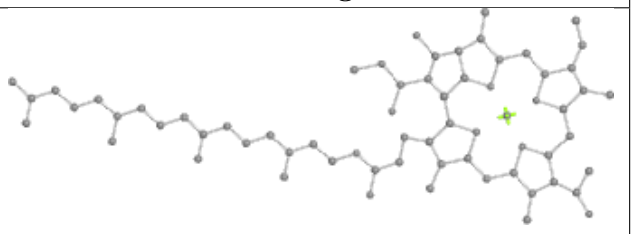


Torsions

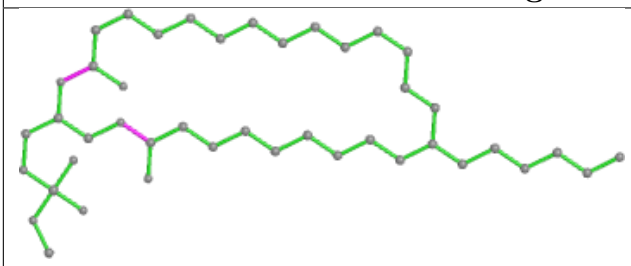


Rings

Ligand BCL W 101	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand BCL 0 101	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand PGV 0 102



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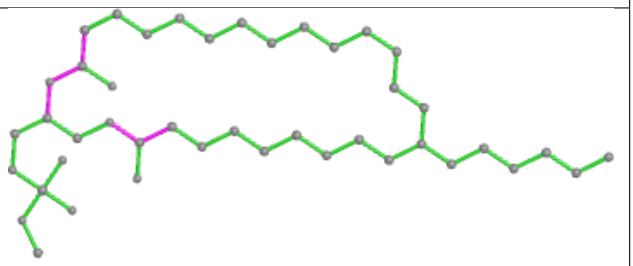

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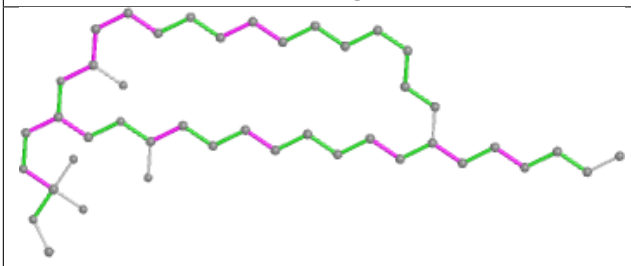

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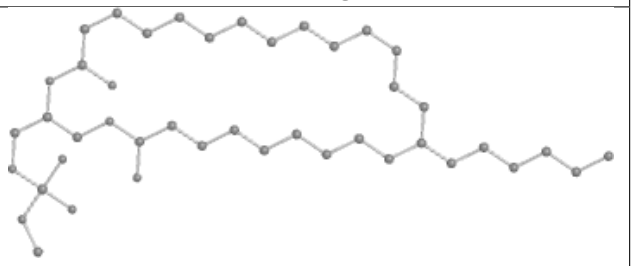
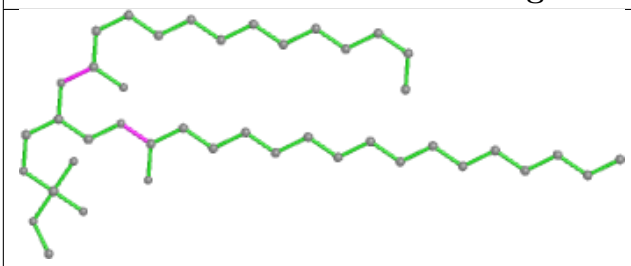


Rings

Ligand PGV c 103



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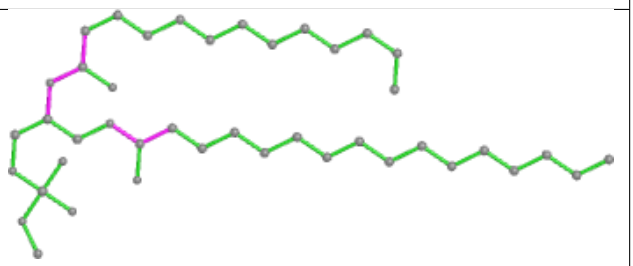

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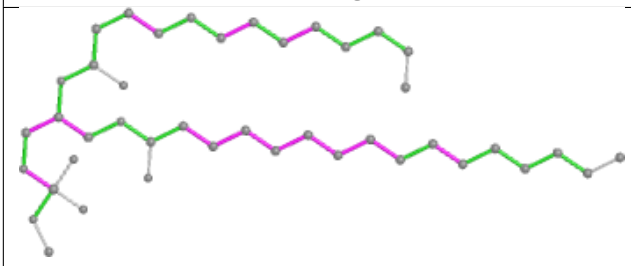

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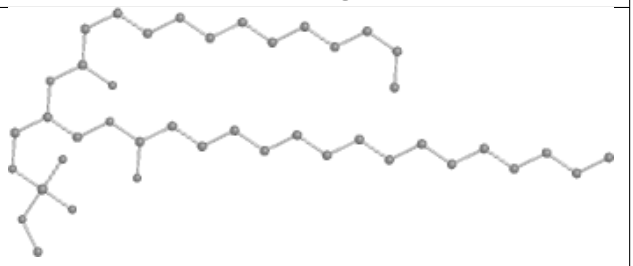
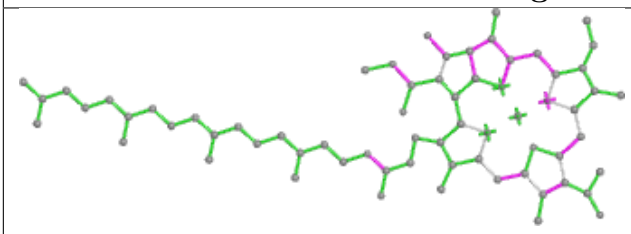


Rings

Ligand BCL r 102



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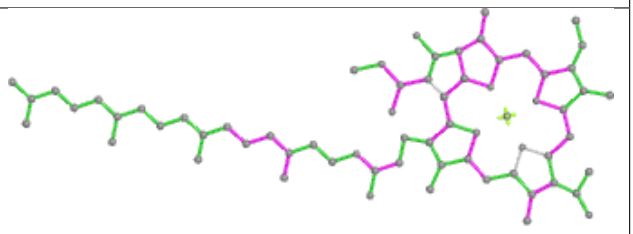

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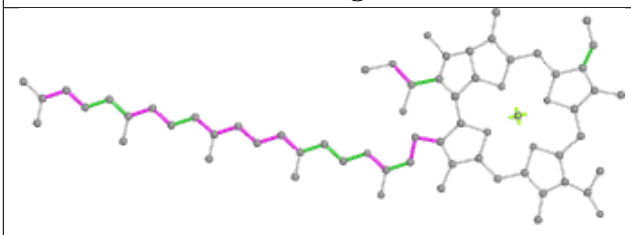

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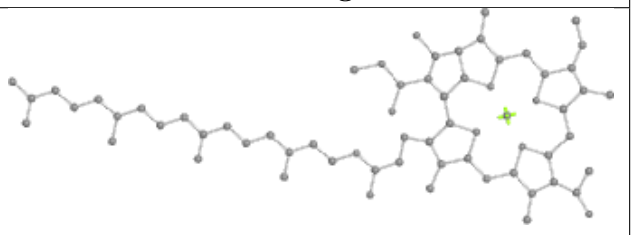
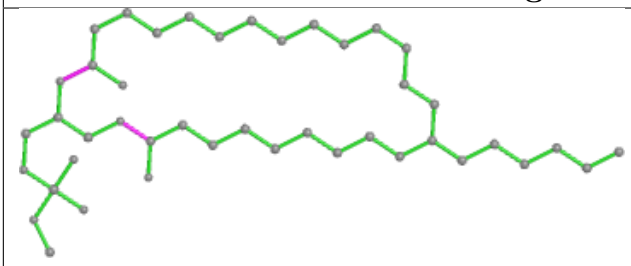


Rings

Ligand PGV J 103



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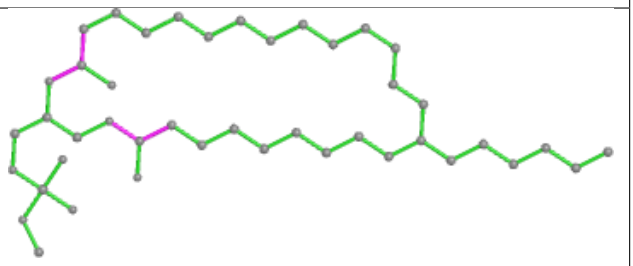

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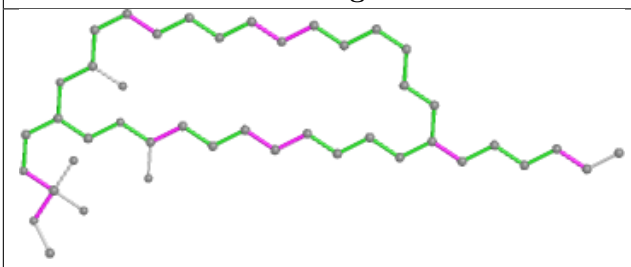

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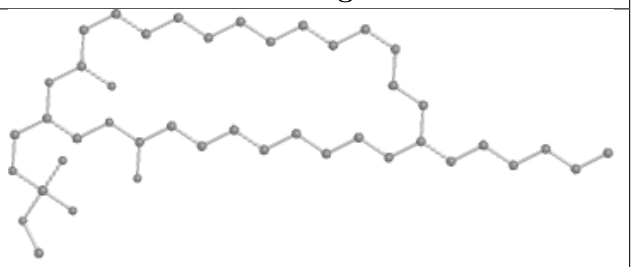
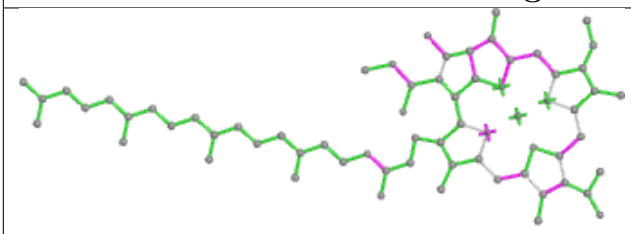


Rings

Ligand BCL K 101



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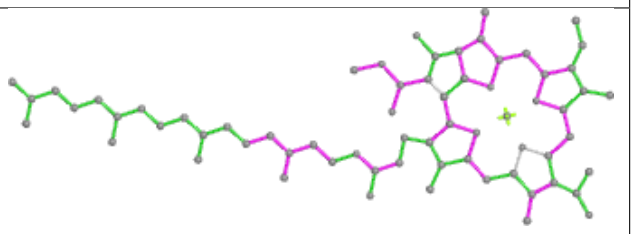

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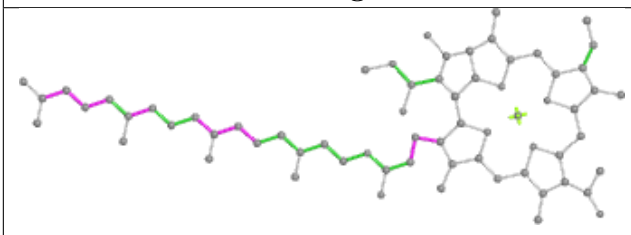

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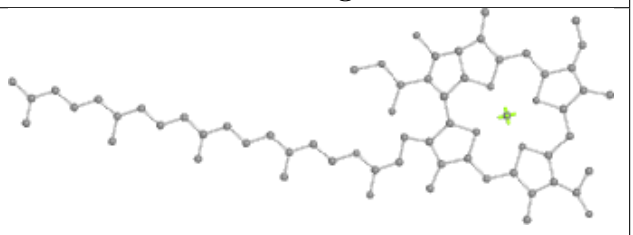
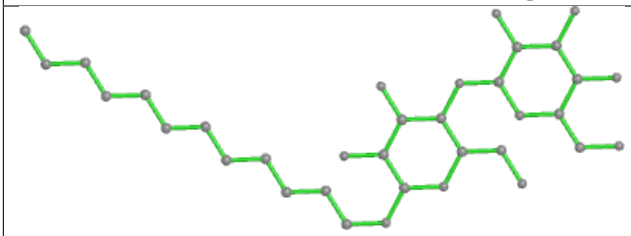


Rings

Ligand LMT C 103



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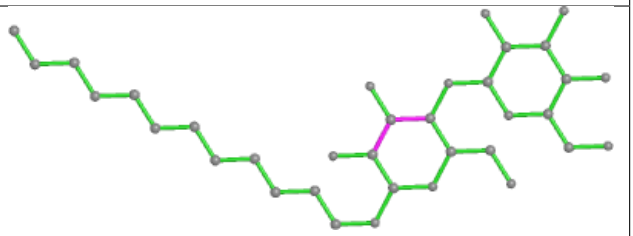

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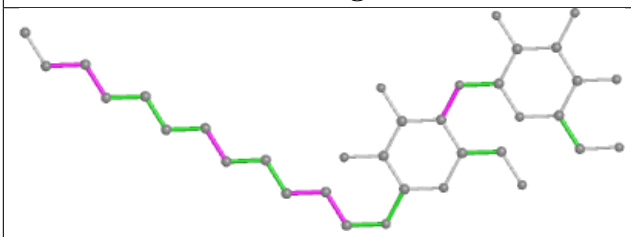

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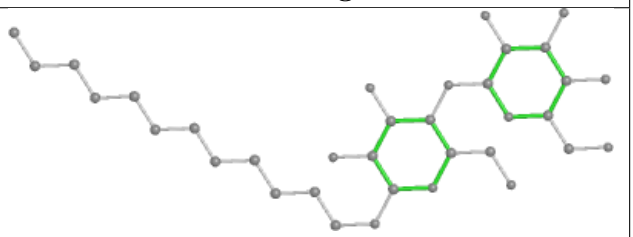
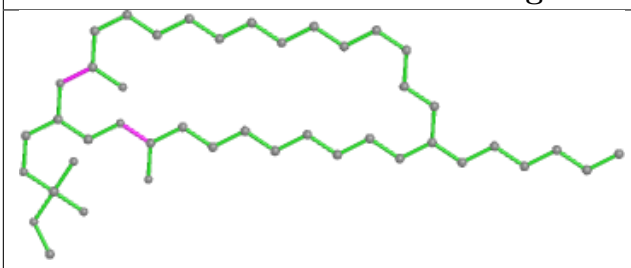


Rings

Ligand PGV 8 103



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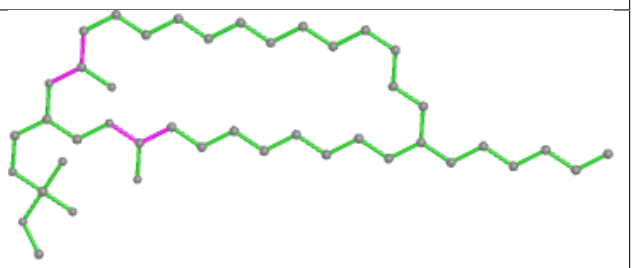

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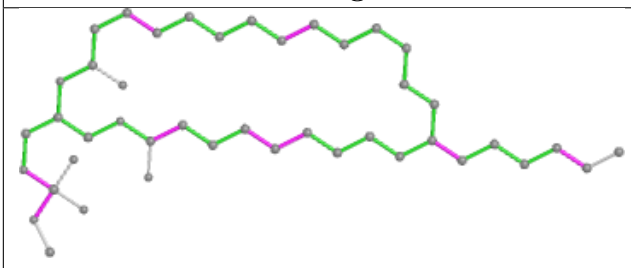

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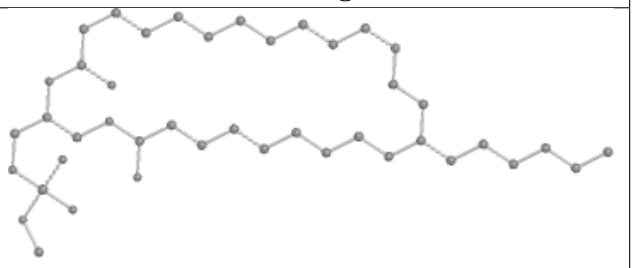
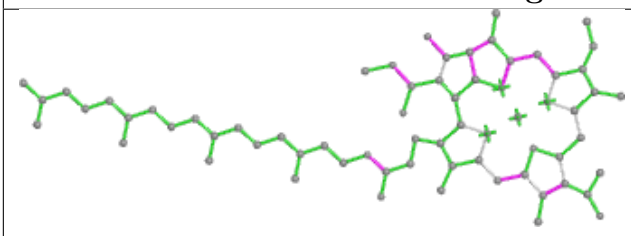


Rings

Ligand BCL T 101



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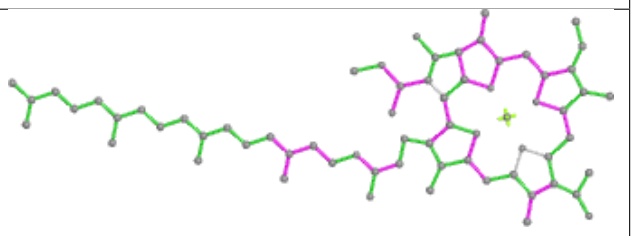

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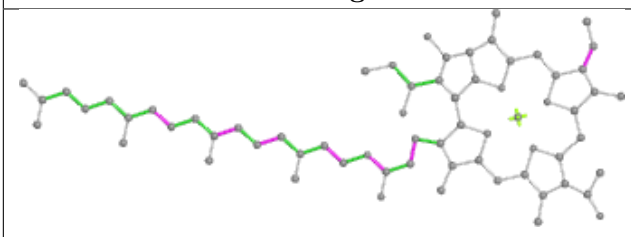

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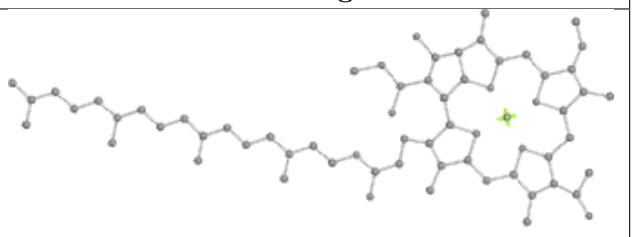

Rings

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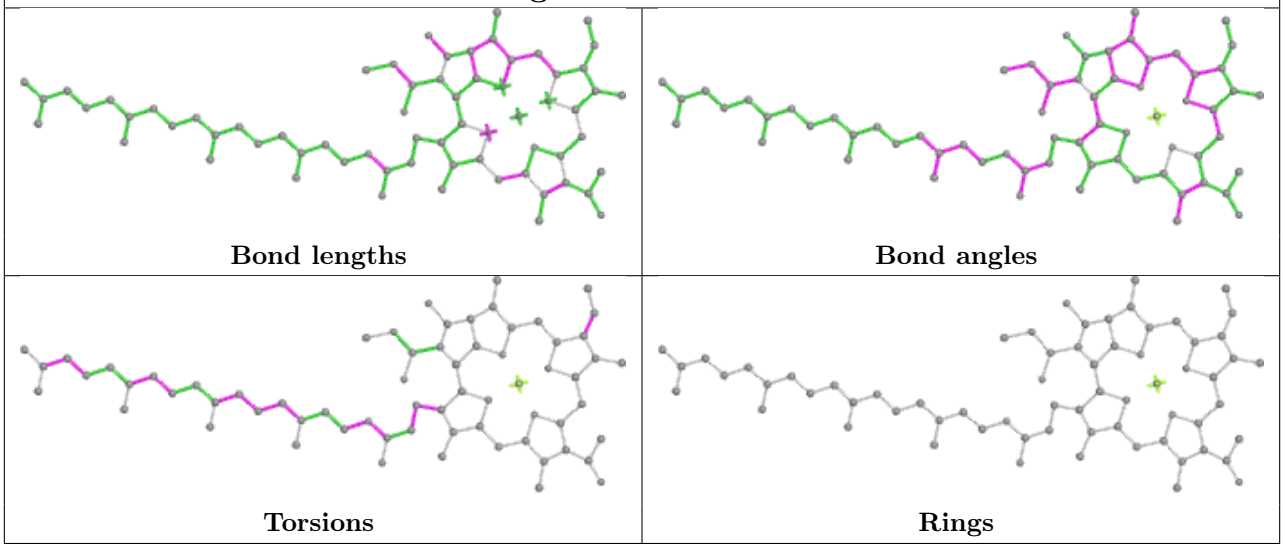
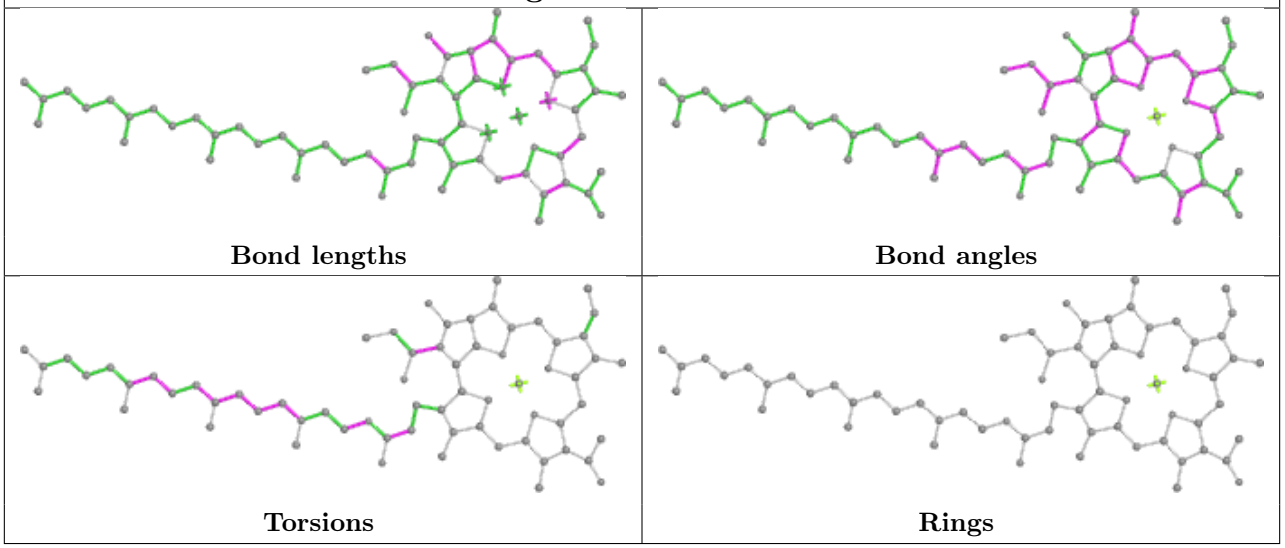
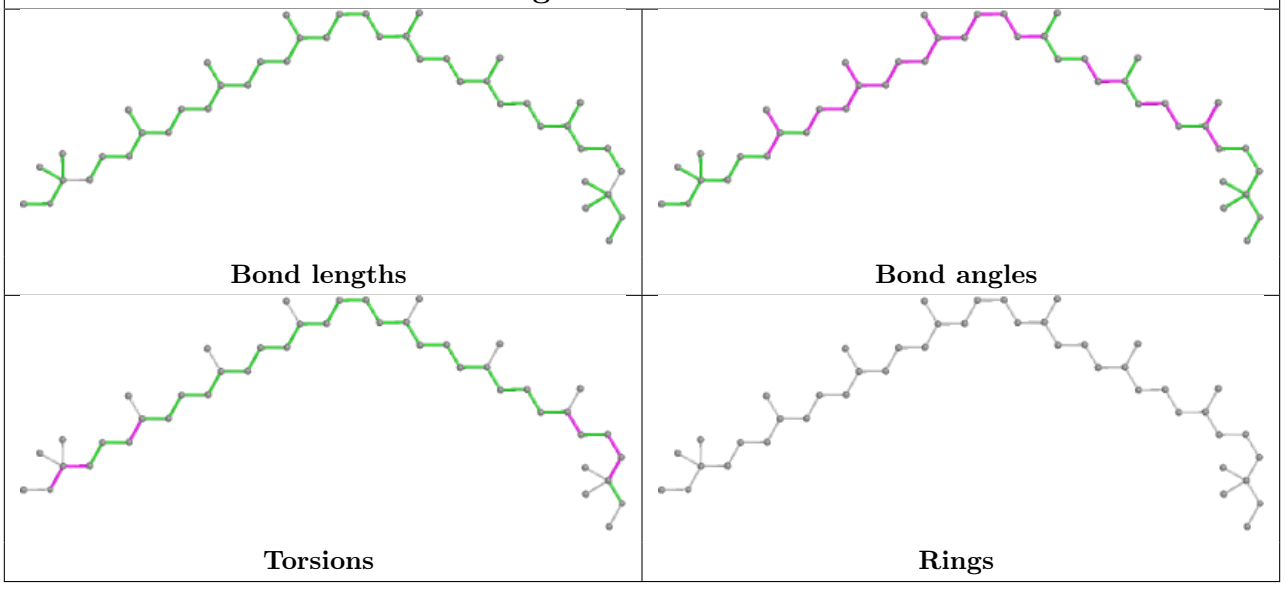


Ligand BCL O 102



Ligand CRT f 101



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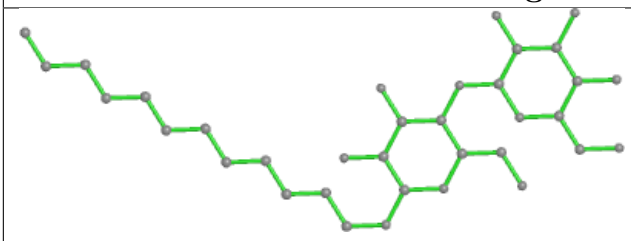
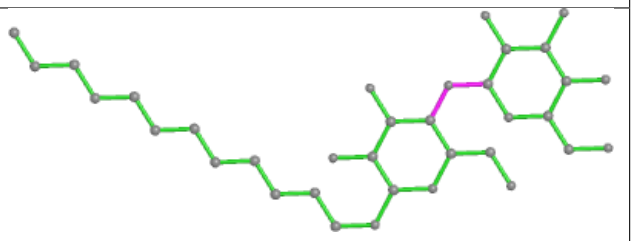
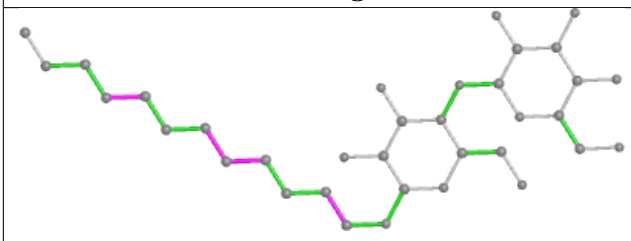


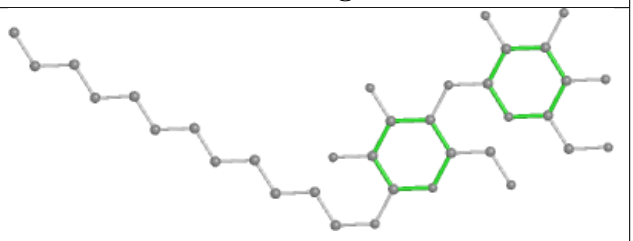
Bond lengths



Bond angles

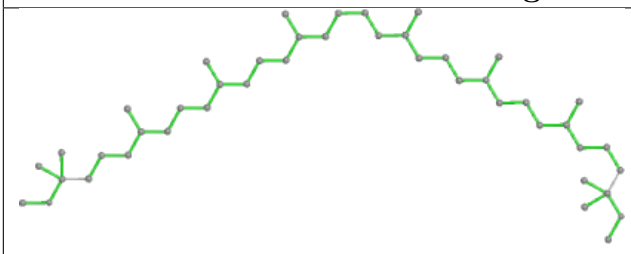


Torsions



Rings

Ligand CRT N 101



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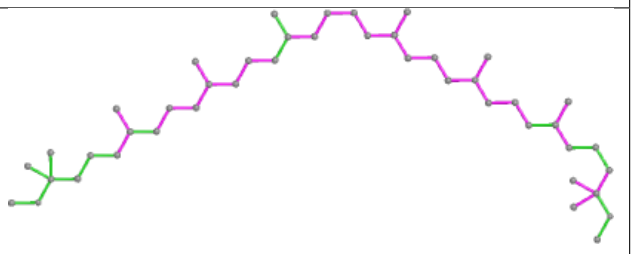
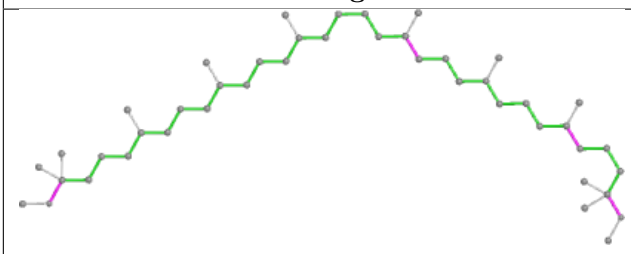


Bond angles



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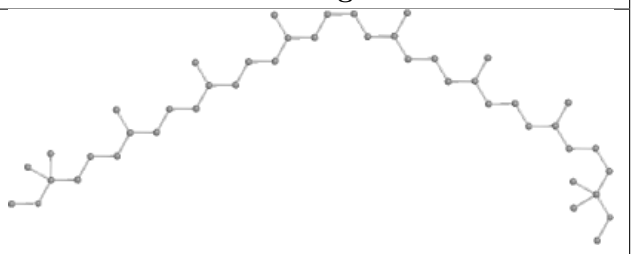
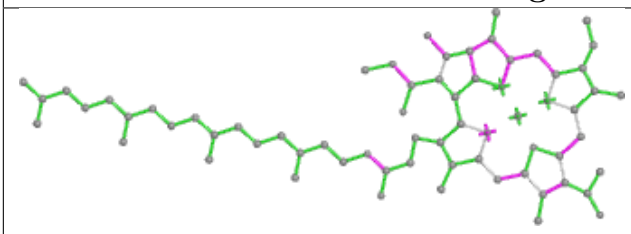


Rings

Ligand BCL 9 101



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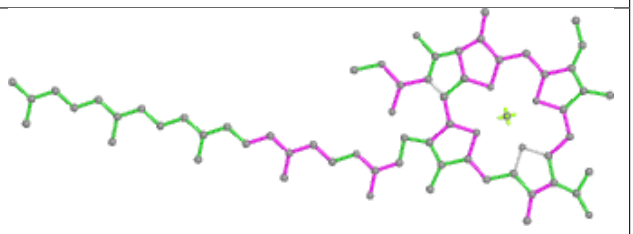
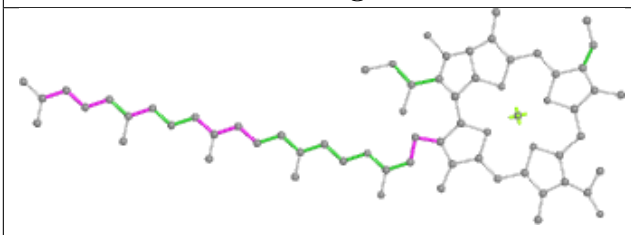


Bond angles



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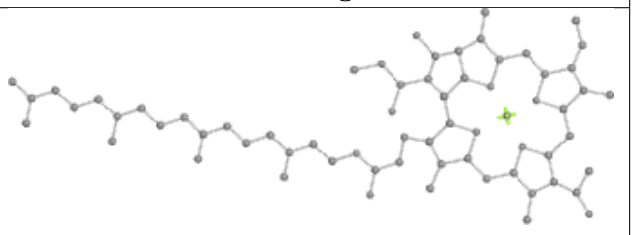
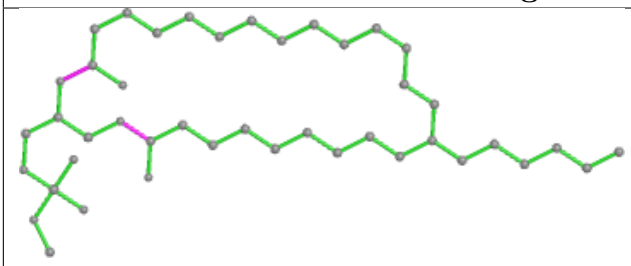
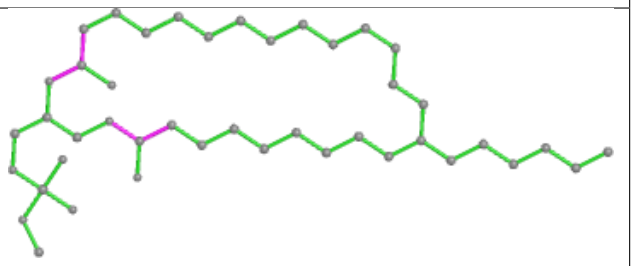


Rings

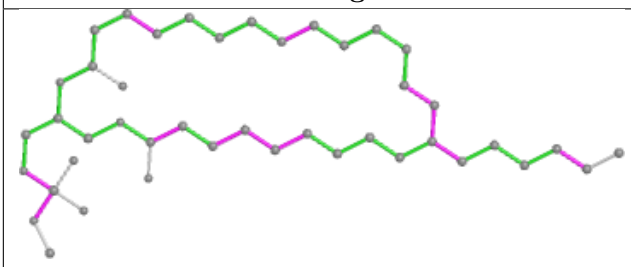
Ligand PGV N 103



Bond lengths



Bond angles



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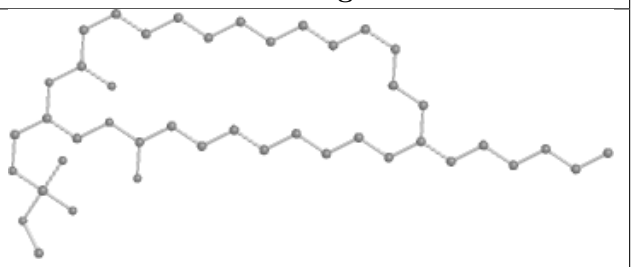
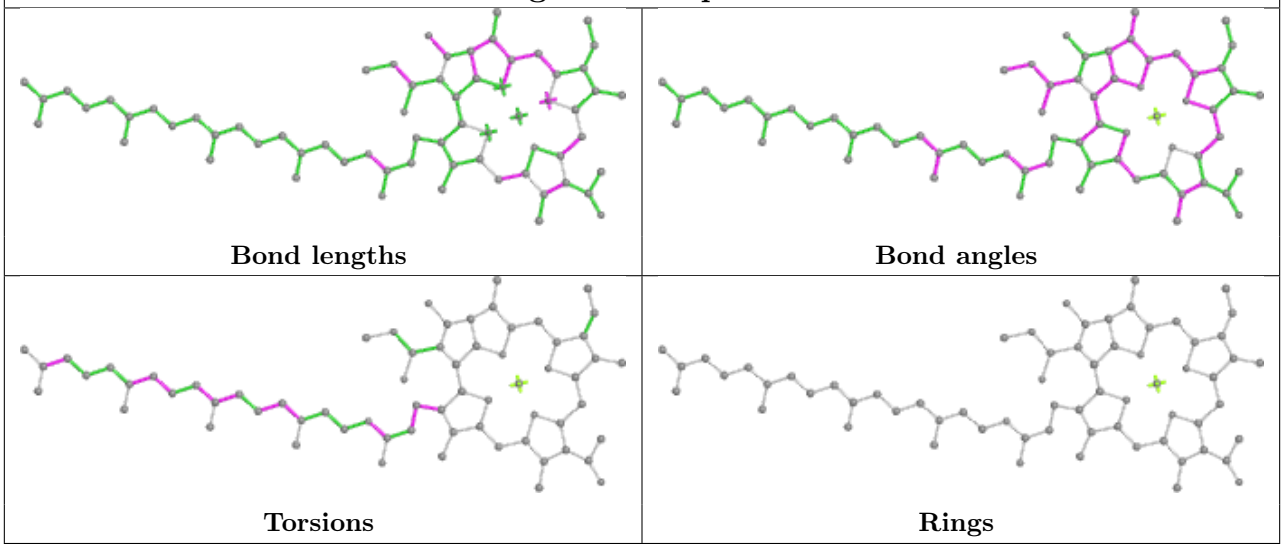
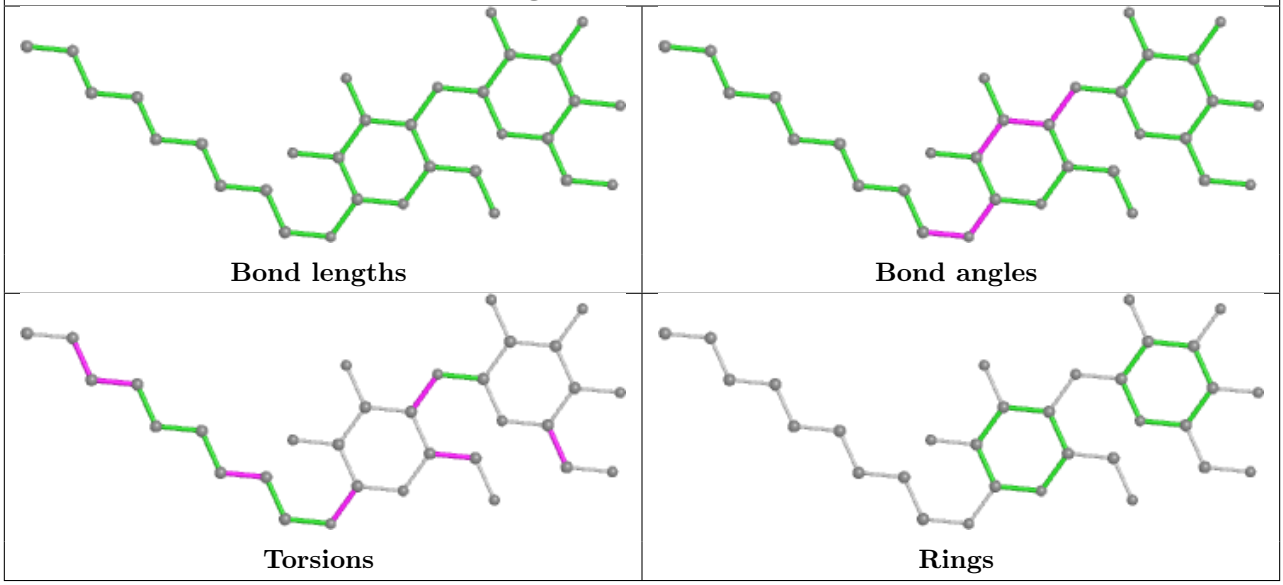


Rings

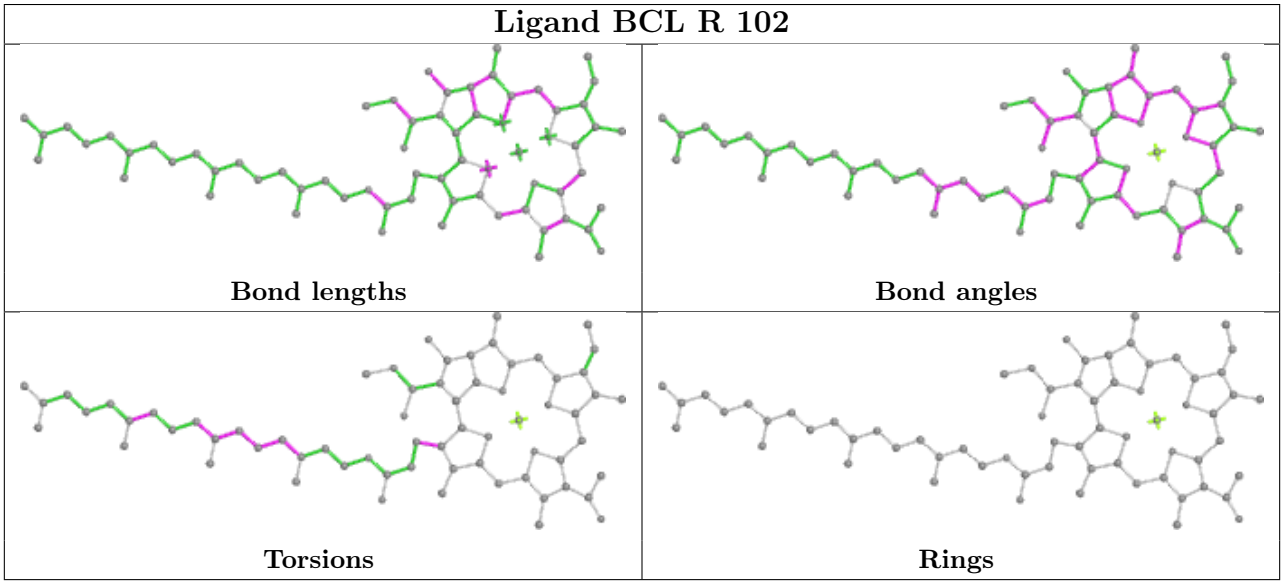
Ligand BCL p 102



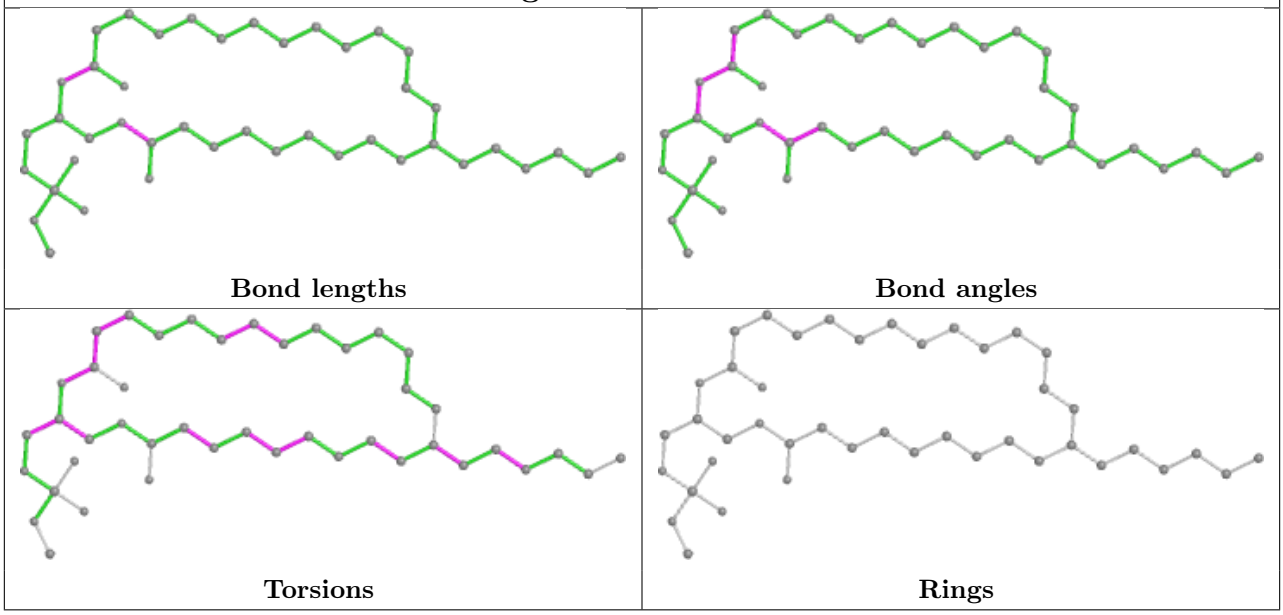
Ligand LMT S 105



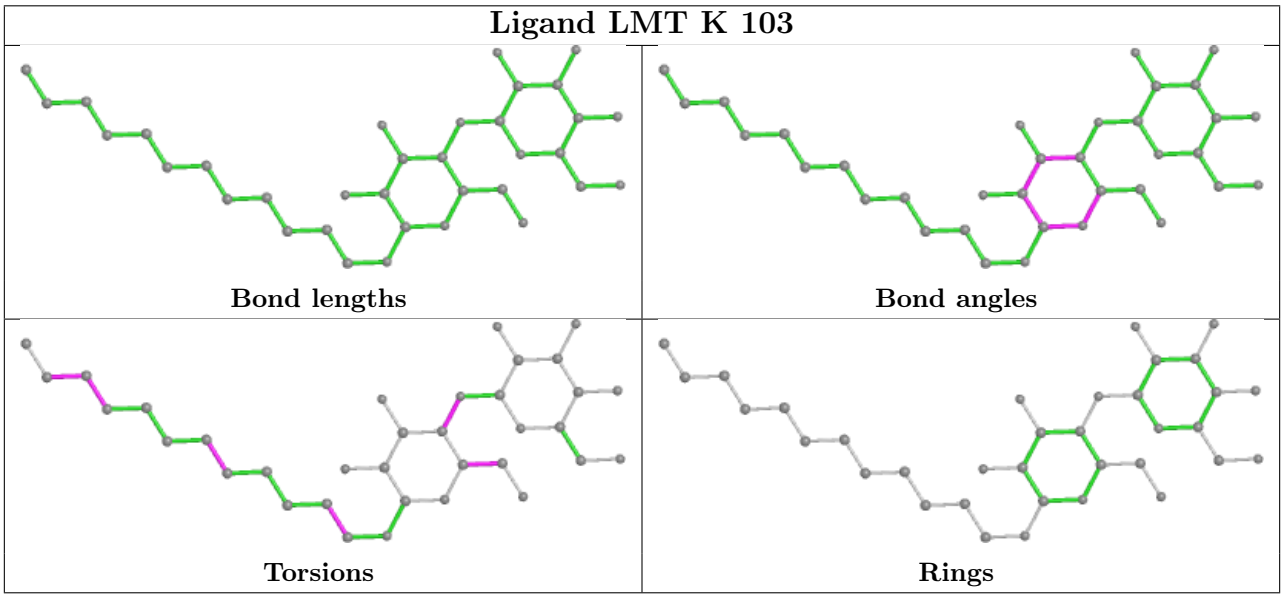
Ligand BCL R 102



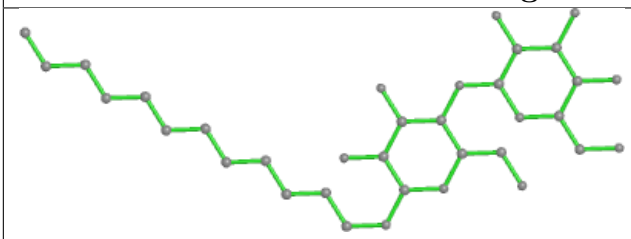
Ligand PGV H 102



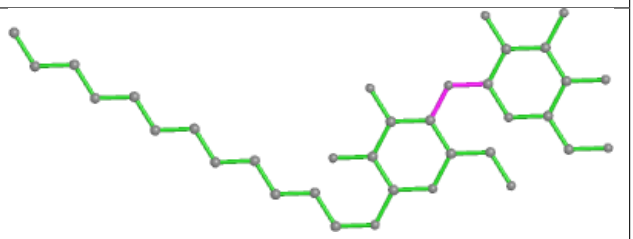
Ligand LMT K 103



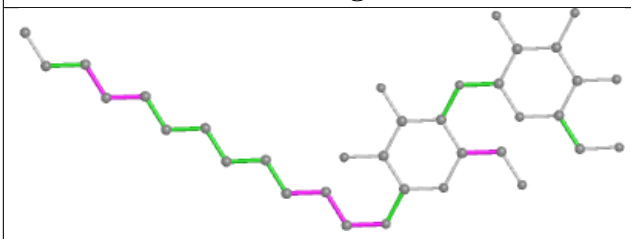
Ligand LMT O 104



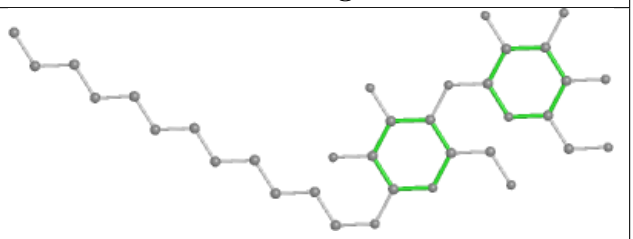
Bond lengths



Bond angles

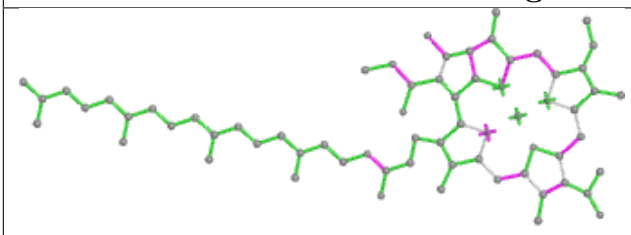


Torsions

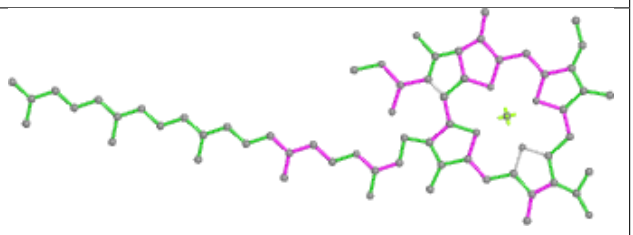


Rings

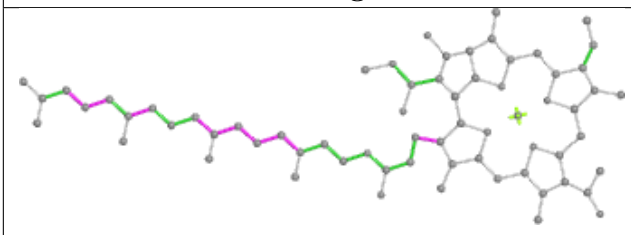
Ligand BCL B 102



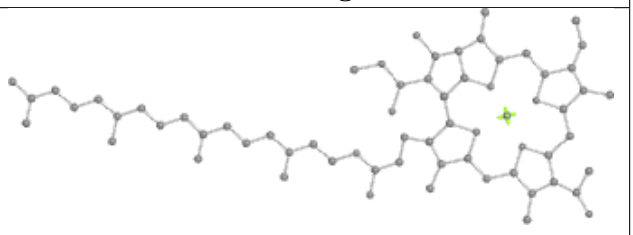
Bond lengths



Bond angles

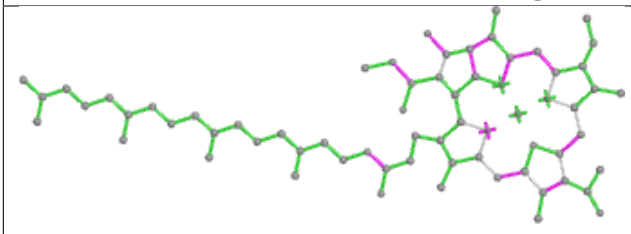


Torsions

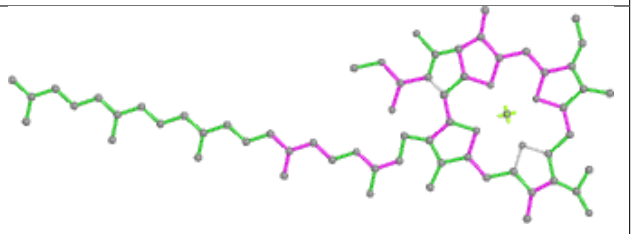


Rings

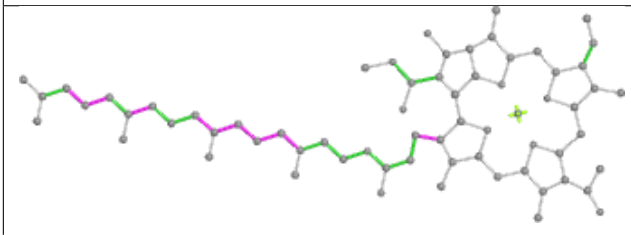
Ligand BCL 4 102



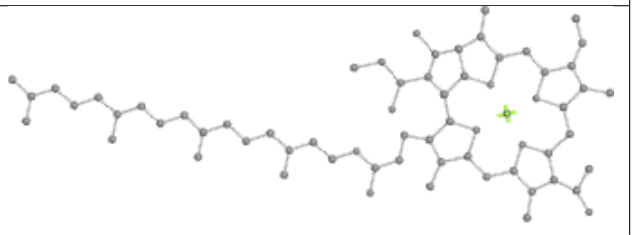
Bond lengths



Bond angles

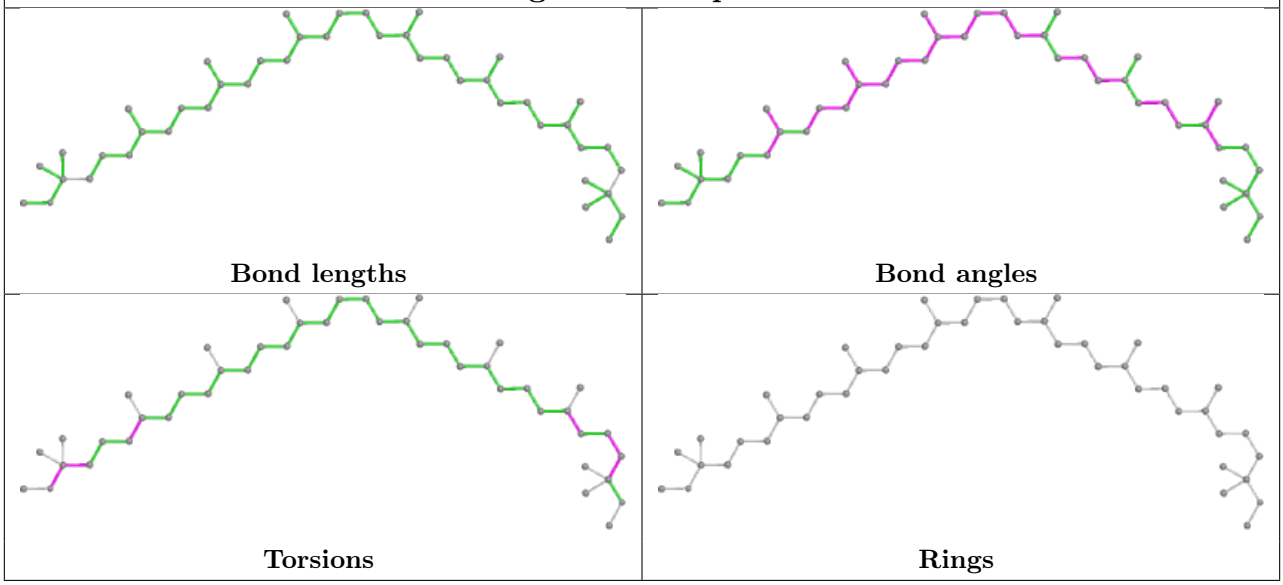


Torsions

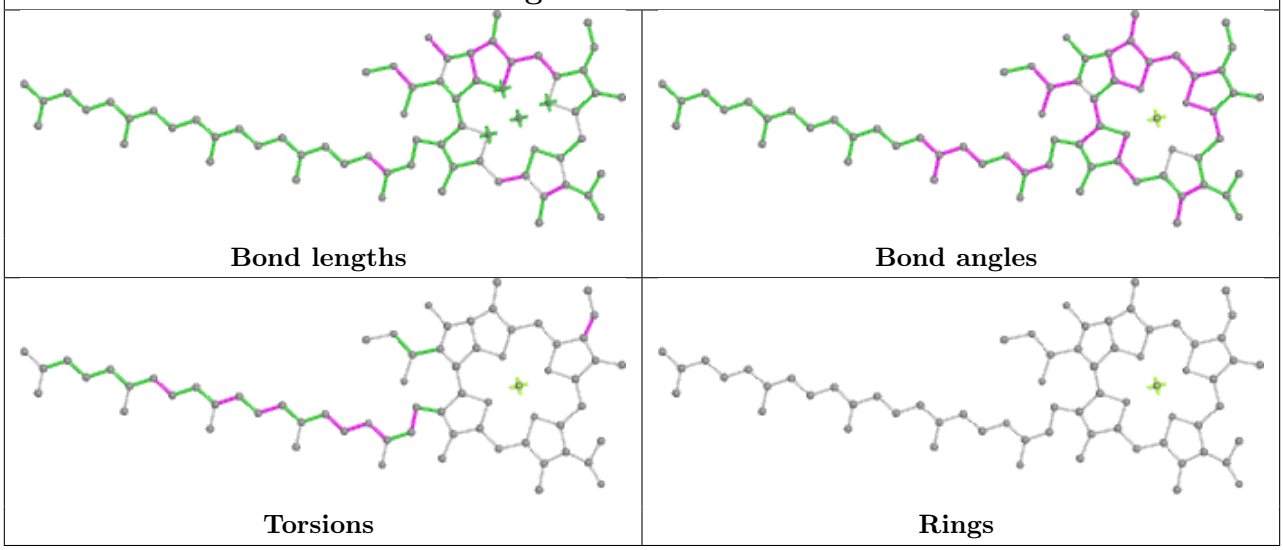


Rings

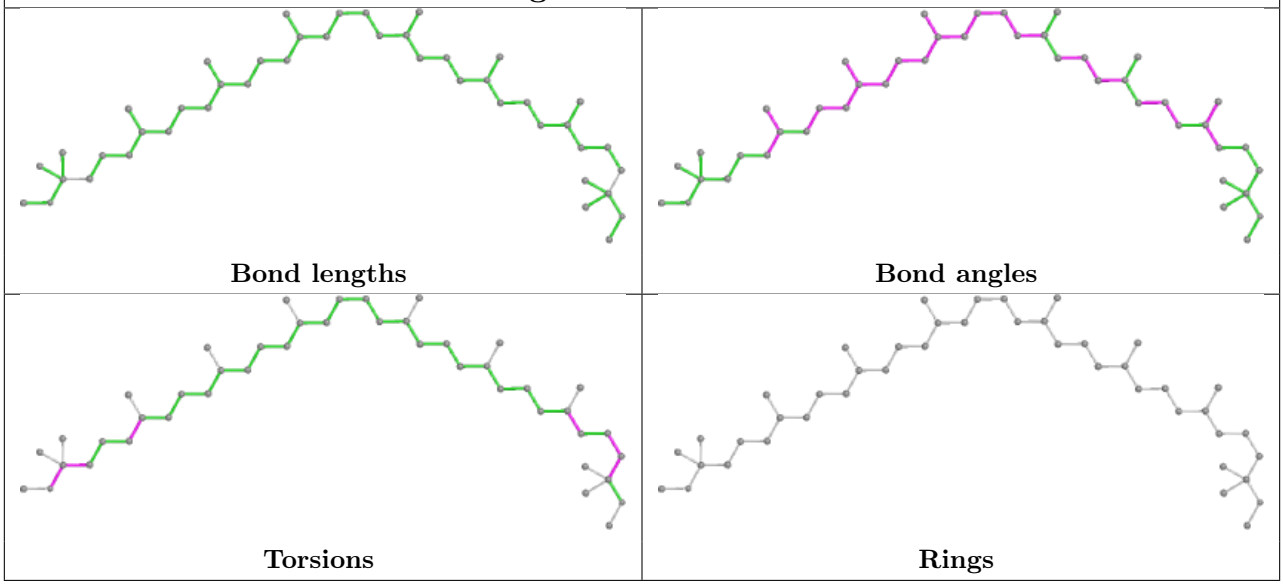
Ligand CRT q 101



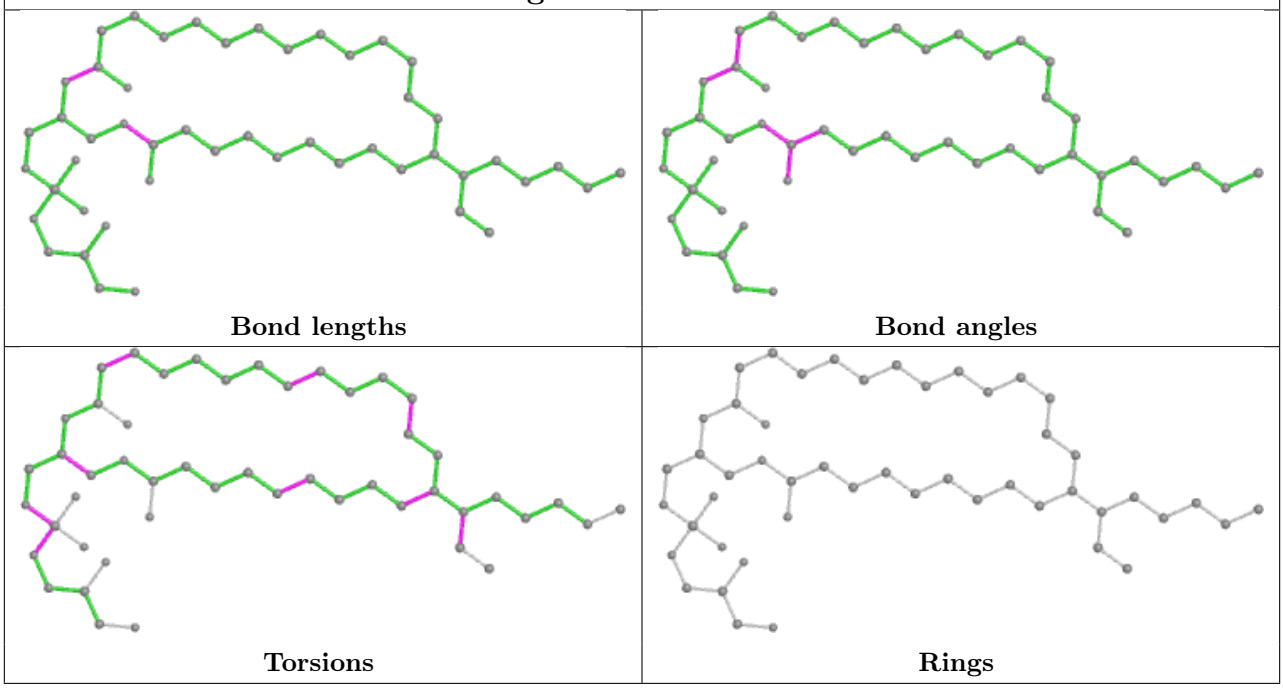
Ligand BCL H 101



Ligand CRT o 101



Ligand PGV a 104



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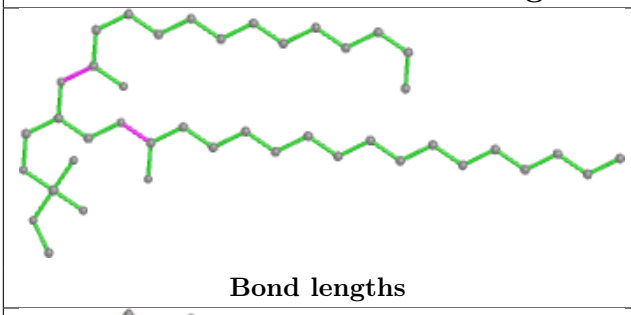
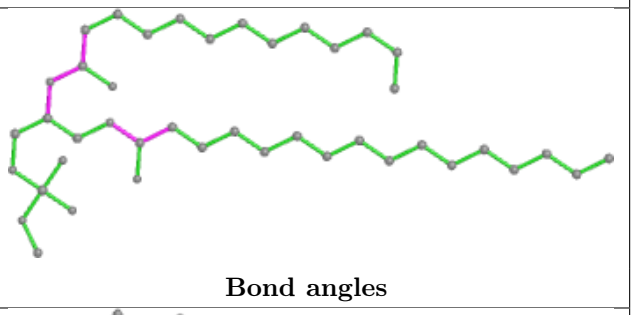
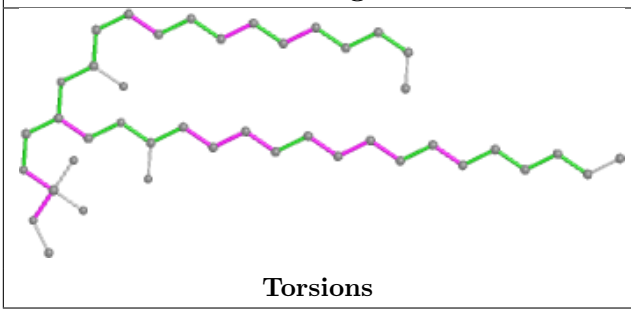


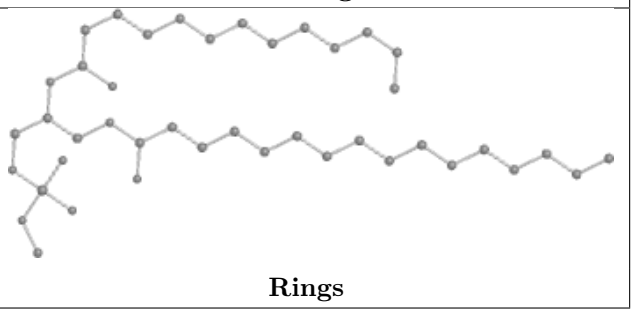
Bond lengths



Bond angles

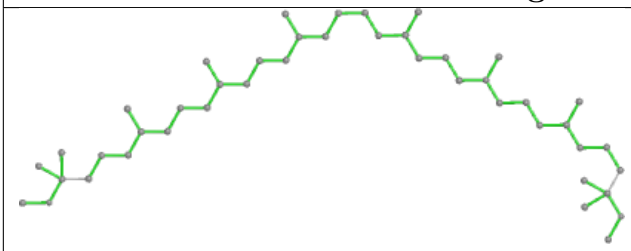


Torsions

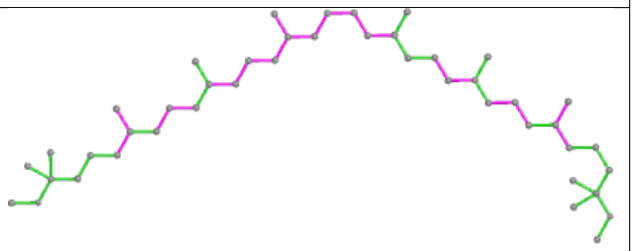


Rings

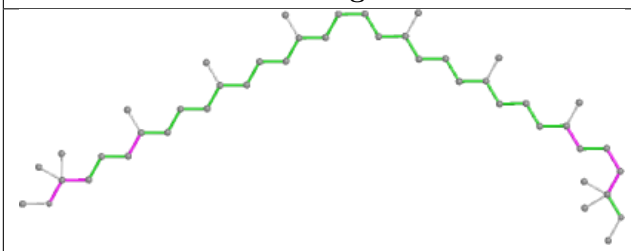
Ligand CRT k 101



Bond lengths



Bond angles



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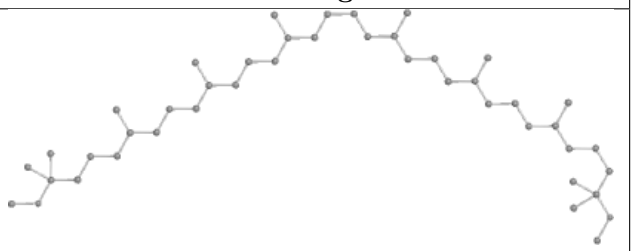
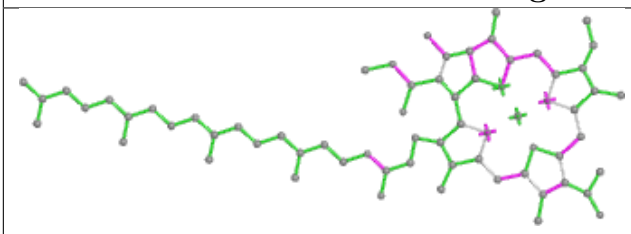
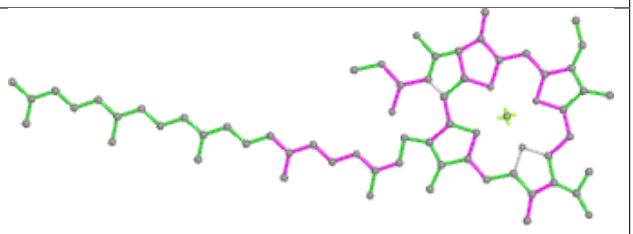


Rings

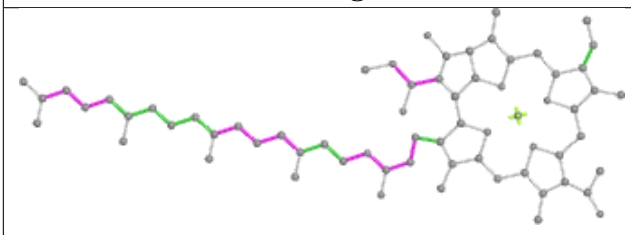
Ligand BCL a 102



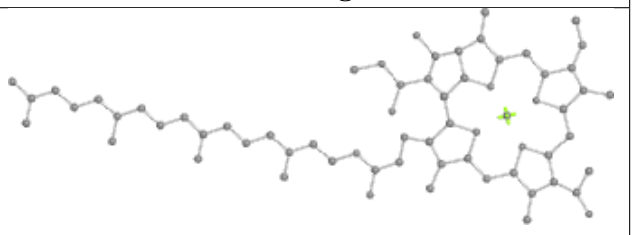
Bond lengths



Bond angles

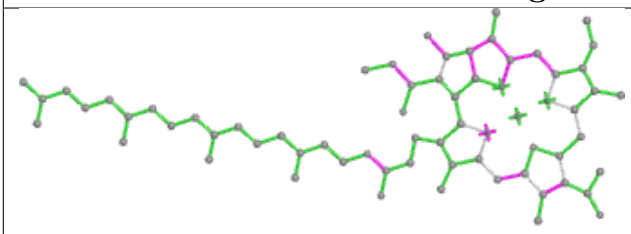


Torsions

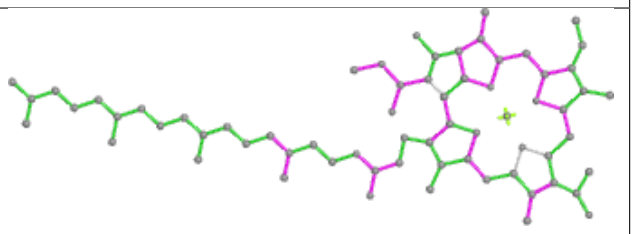


Rings

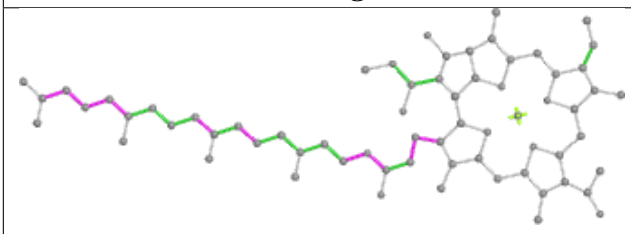
Ligand BCL k 102



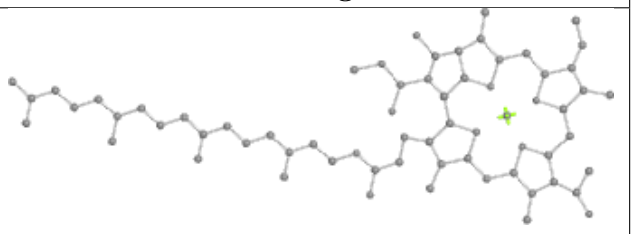
Bond lengths



Bond angles

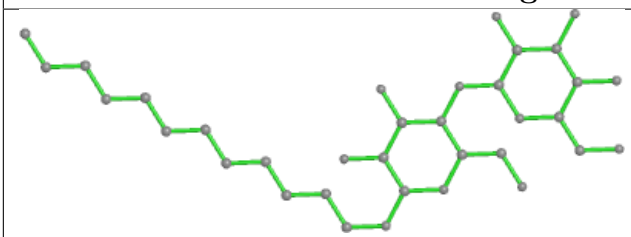


Torsions

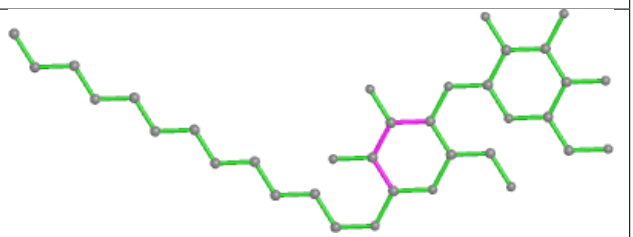


Rings

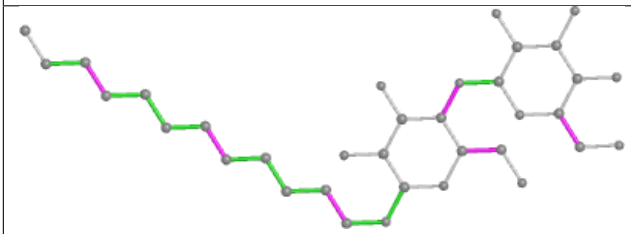
Ligand LMT G 103



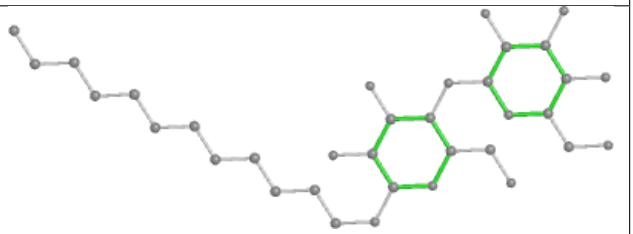
Bond lengths



Bond angles

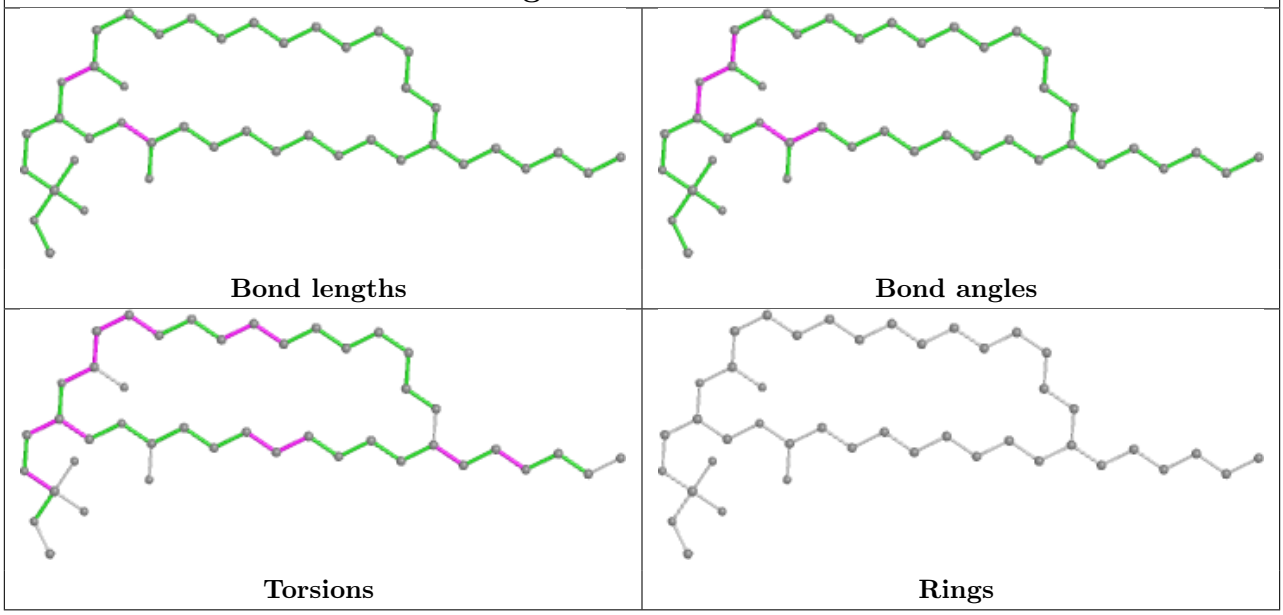


Torsions

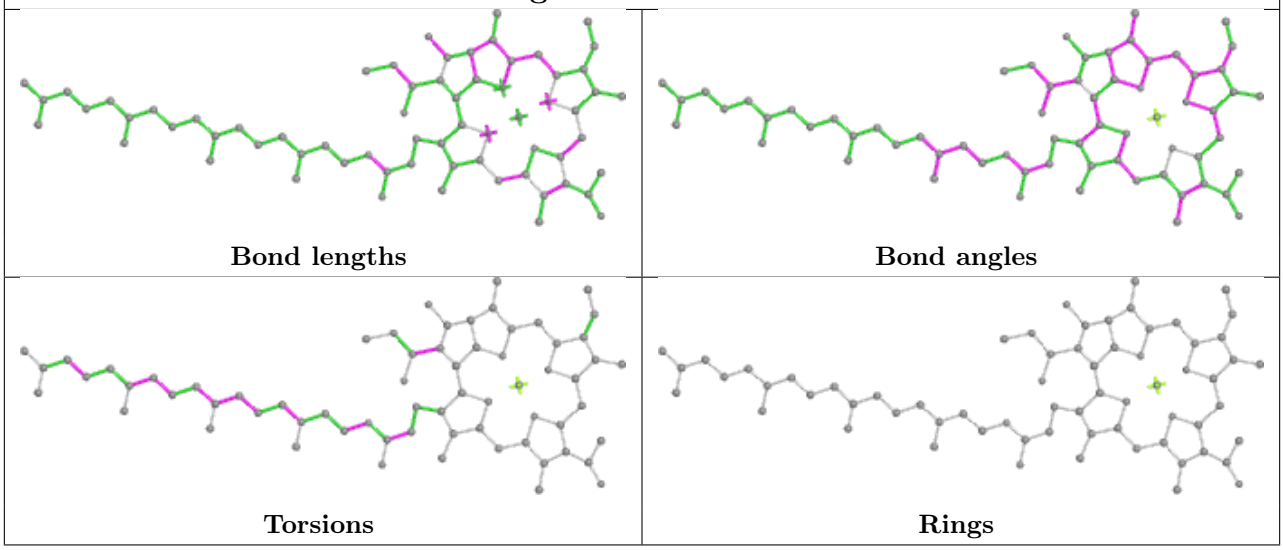


Rings

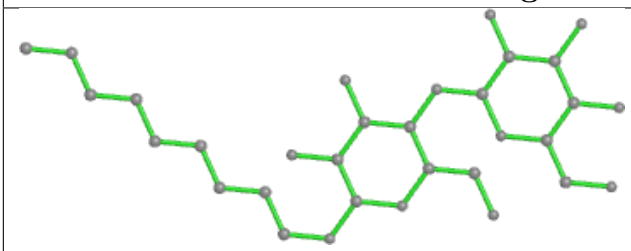
Ligand PGV T 102



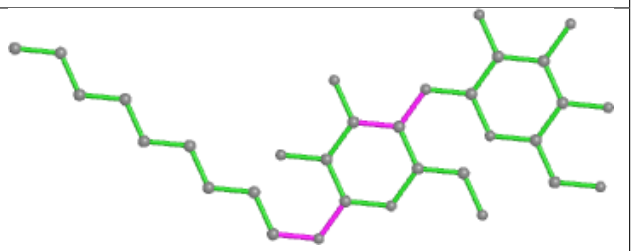
Ligand BCL 9 102



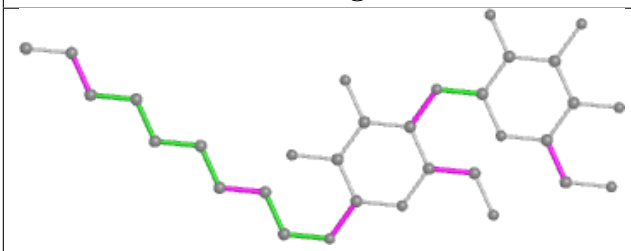
Ligand LMT O 105



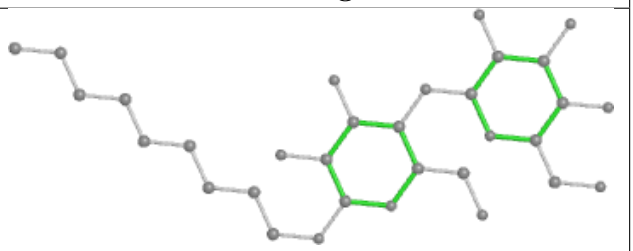
Bond lengths



Bond angles

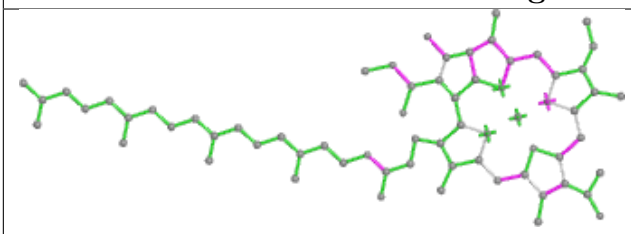


Torsions

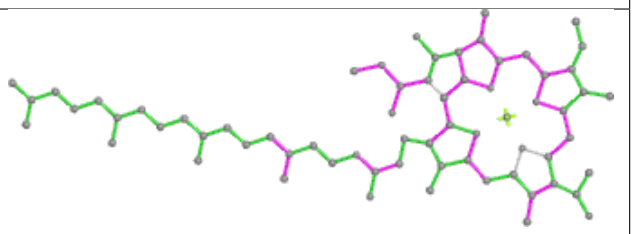


Rings

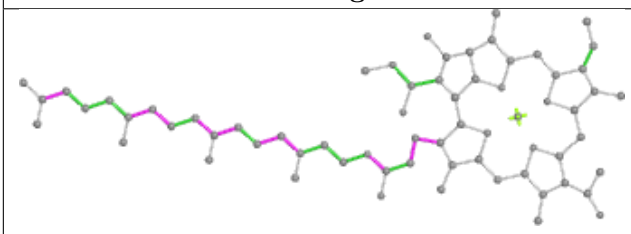
Ligand BCL h 103



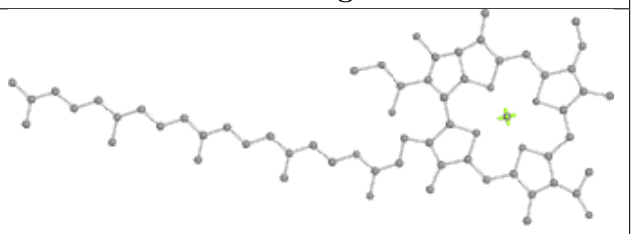
Bond lengths



Bond angles

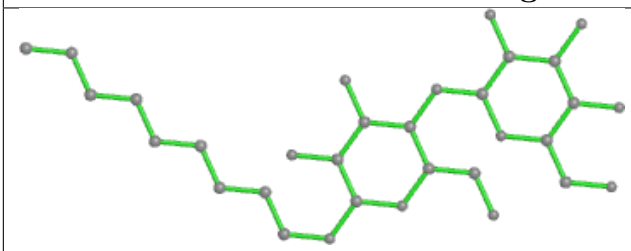


Torsions

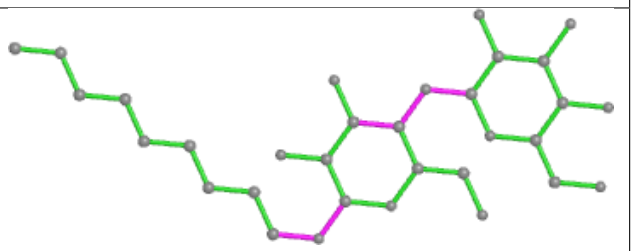


Rings

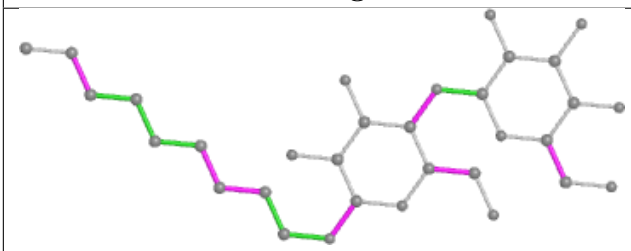
Ligand LMT G 105



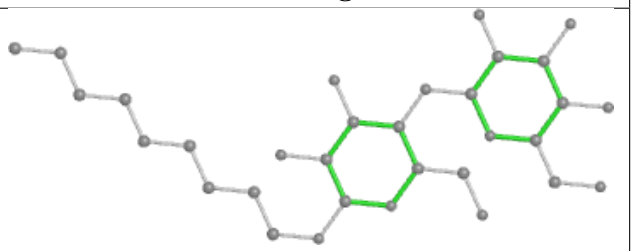
Bond lengths



Bond angles

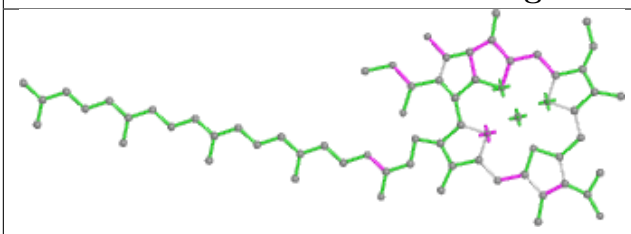


Torsions

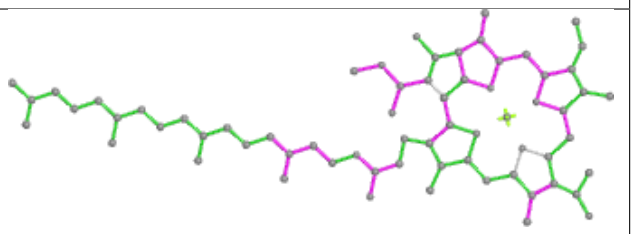


Rings

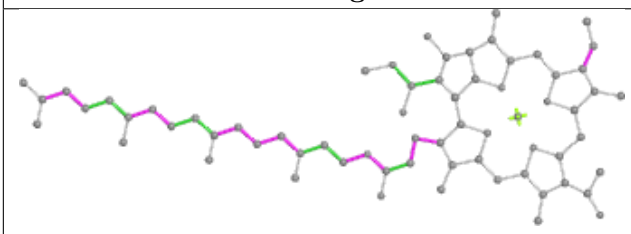
Ligand BCL Y 101



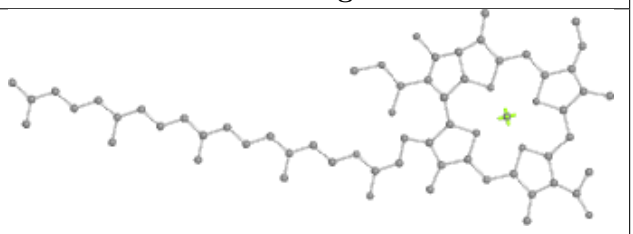
Bond lengths



Bond angles

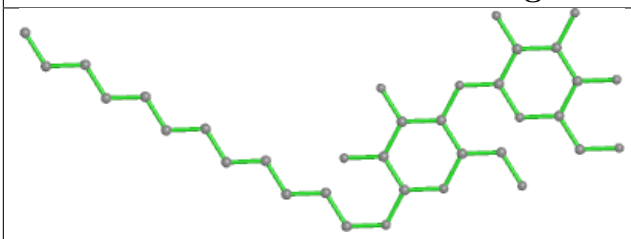


Torsions

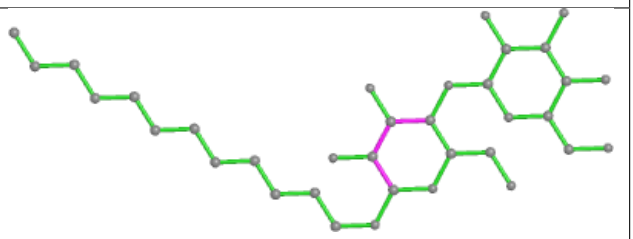


Rings

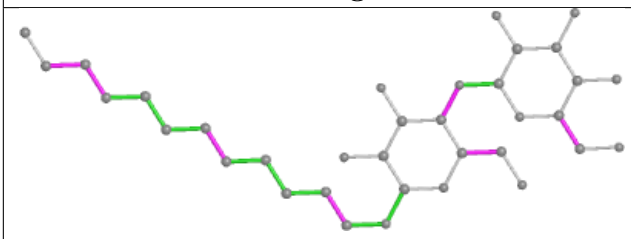
Ligand LMT S 103



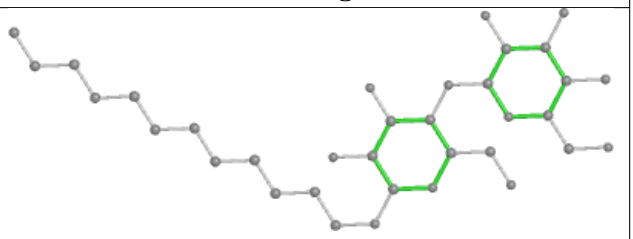
Bond lengths



Bond angles

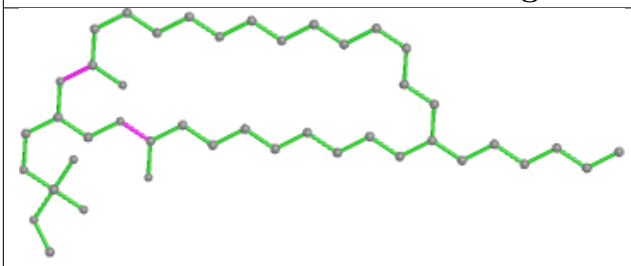


Torsions

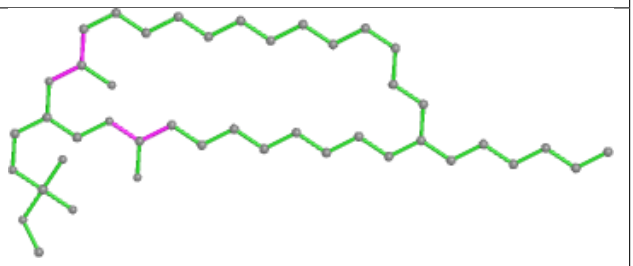


Rings

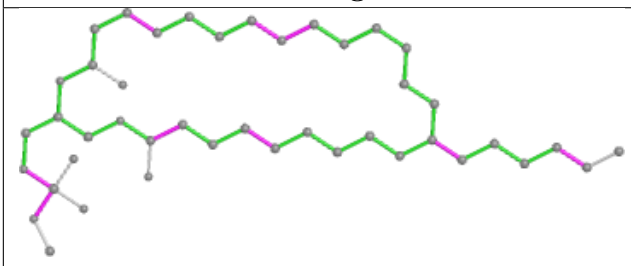
Ligand PGV V 103



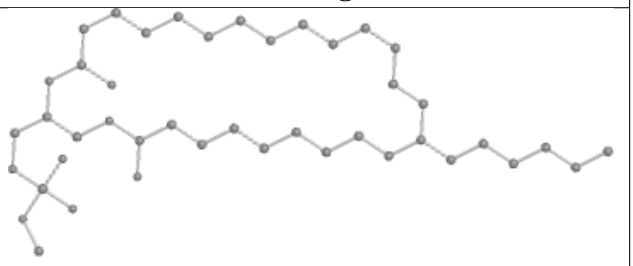
Bond lengths



Bond angles

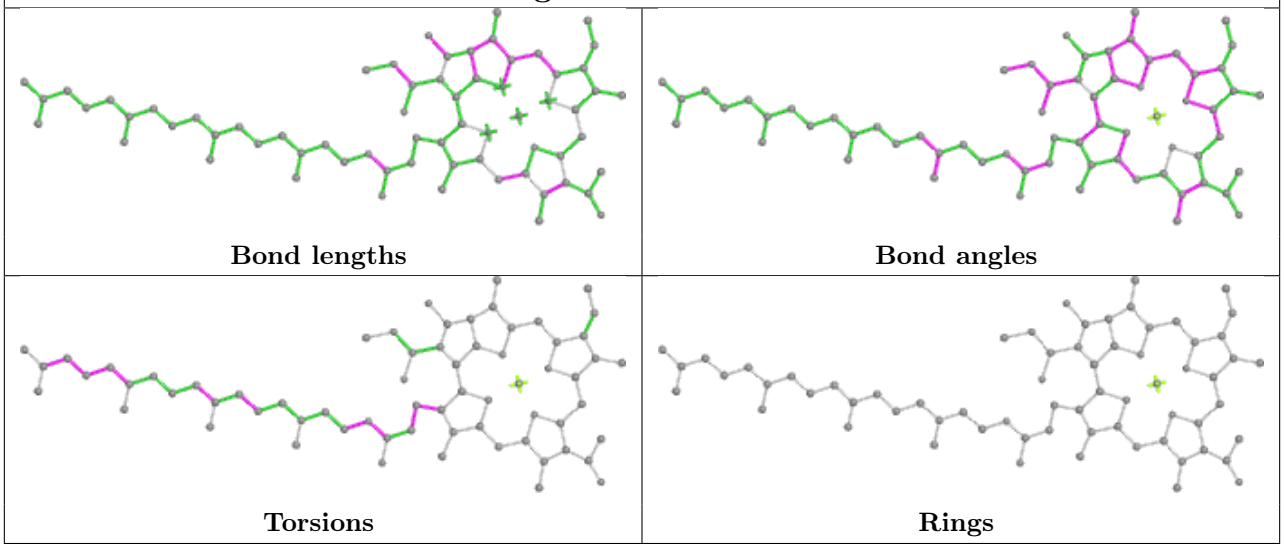


Torsions

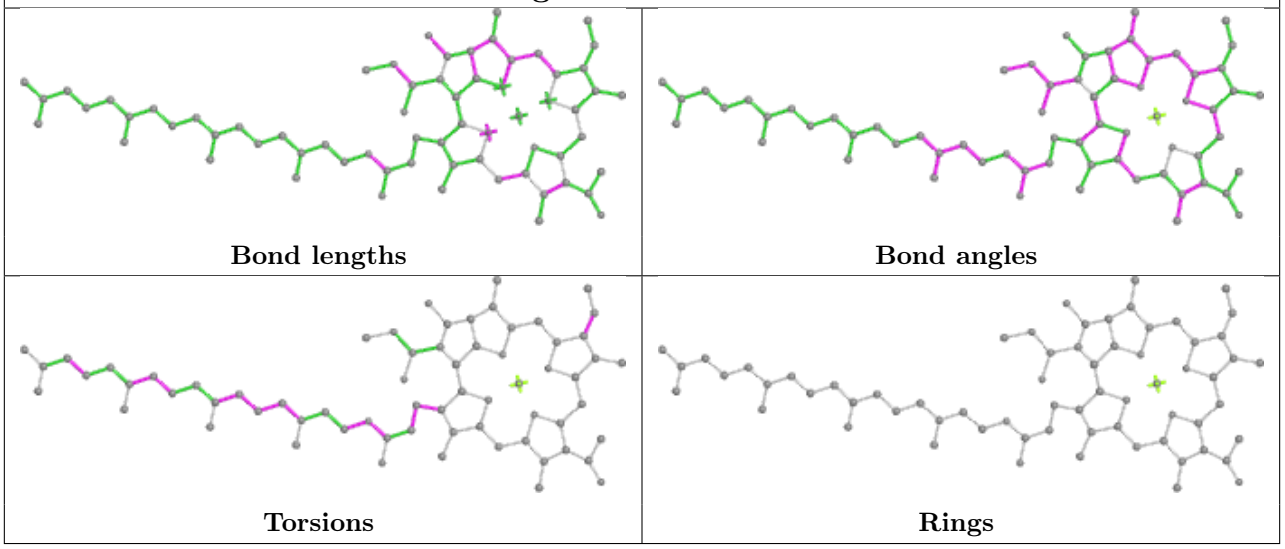


Rings

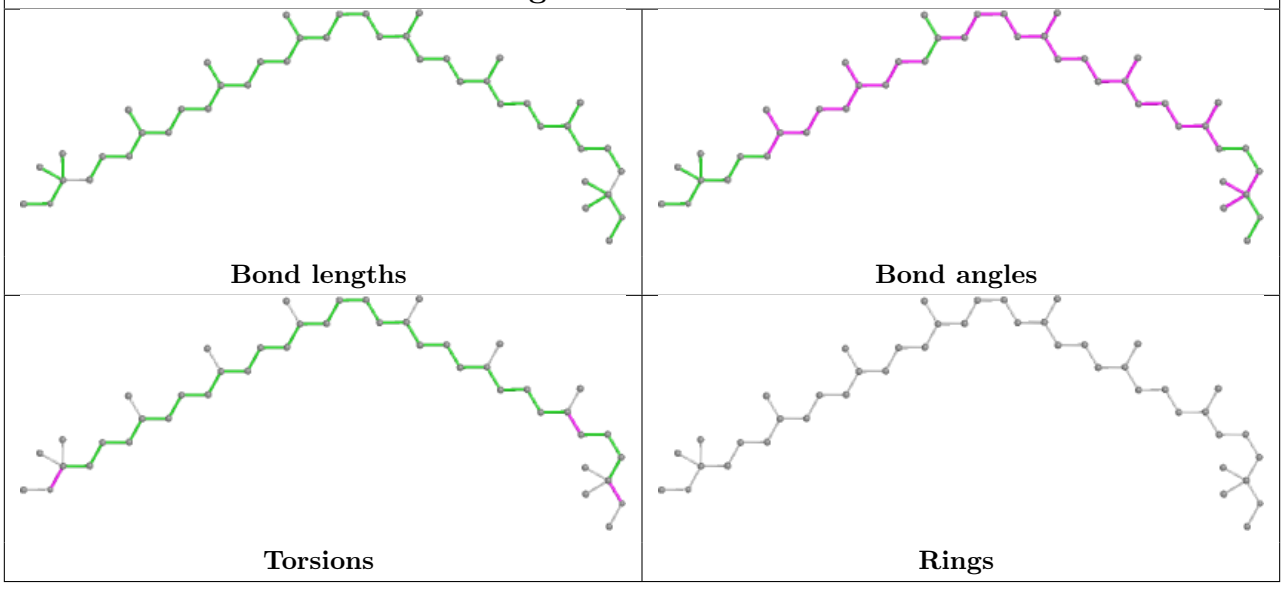
Ligand BCL i 101



Ligand BCL I 101



Ligand CRT J 101



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.

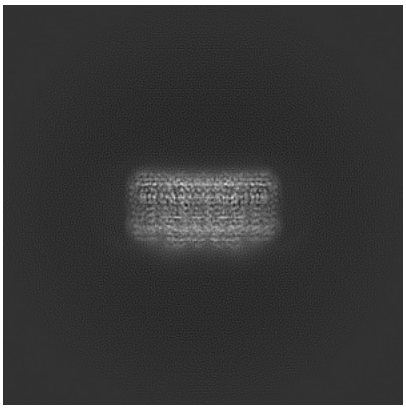
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-39835. These allow visual inspection of the internal detail of the map and identification of artifacts.

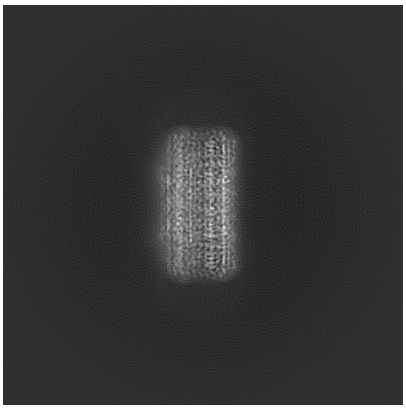
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections

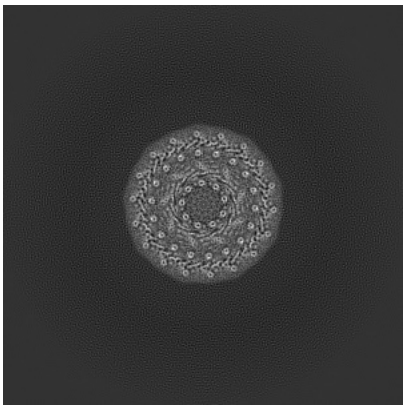
6.1.1 Primary map



X

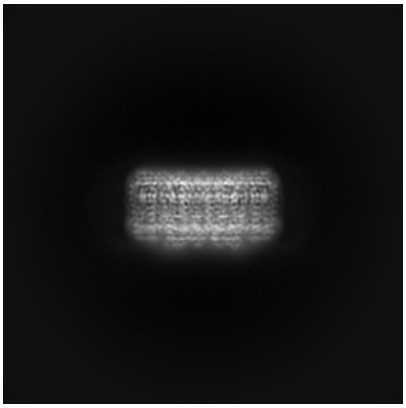


Y

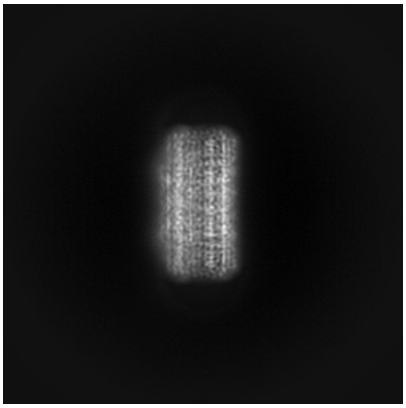


Z

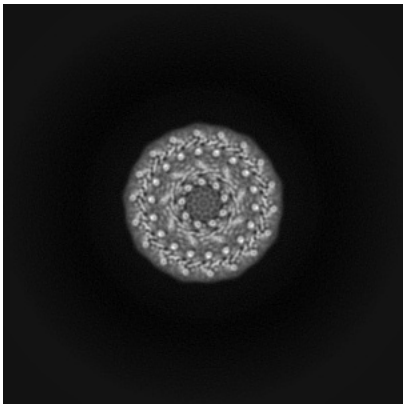
6.1.2 Raw map



X



Y

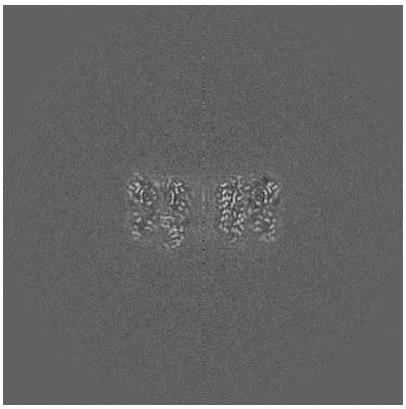


Z

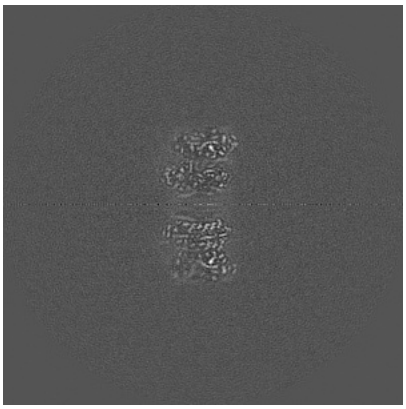
The images above show the map projected in three orthogonal directions.

6.2 Central slices (i)

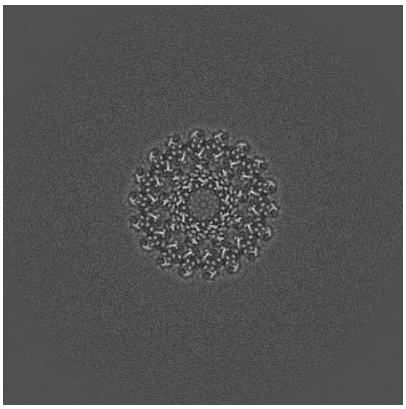
6.2.1 Primary map



X Index: 200

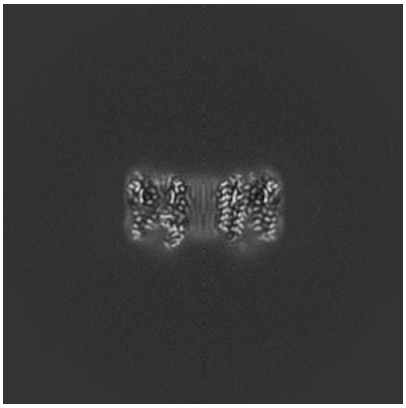


Y Index: 200

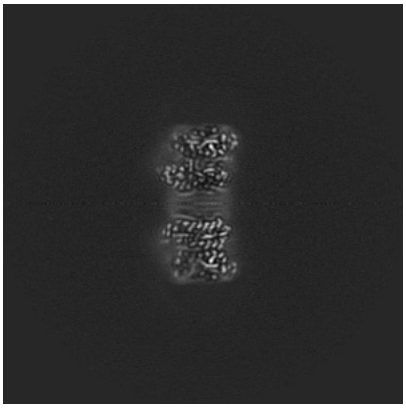


Z Index: 200

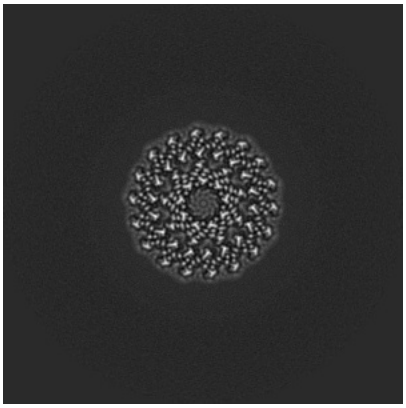
6.2.2 Raw map



X Index: 200



Y Index: 200

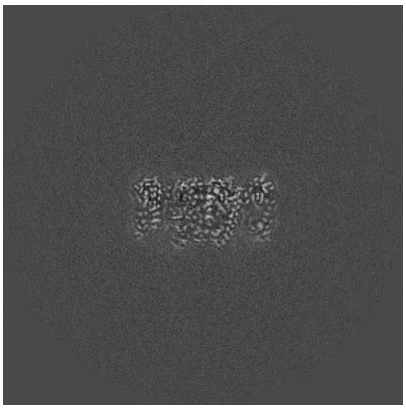


Z Index: 200

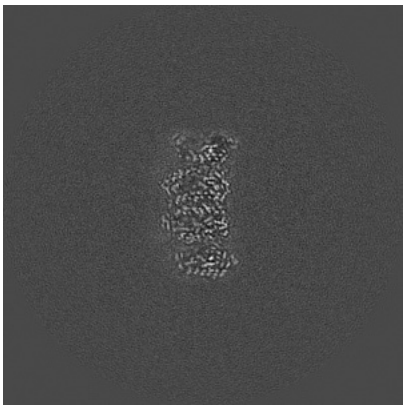
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

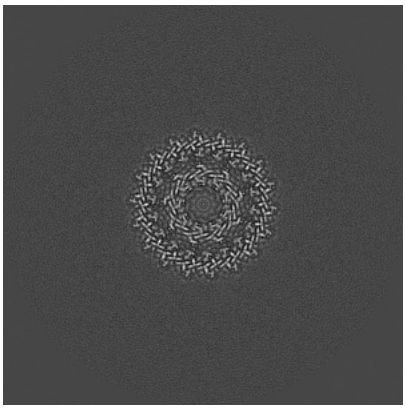
6.3.1 Primary map



X Index: 223



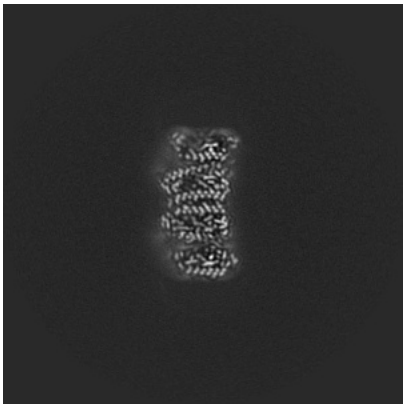
Y Index: 180



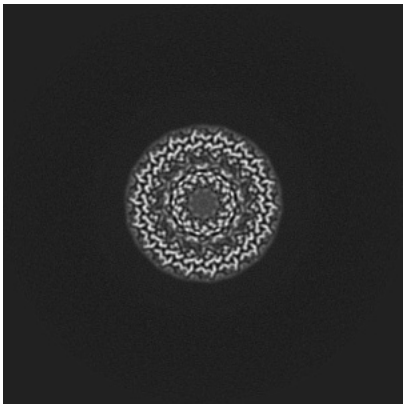
Z Index: 207

6.3.2 Raw map

X Index: 223



Y Index: 180

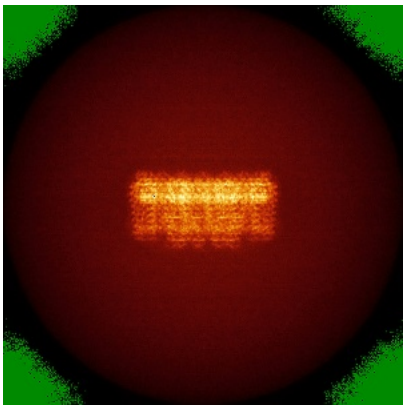


Z Index: 220

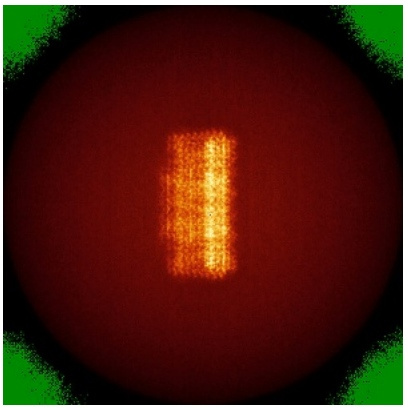
The images above show the largest variance slices of the map in three orthogonal directions.

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

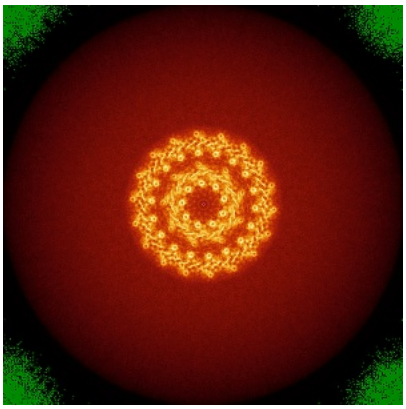
6.4.1 Primary map



X

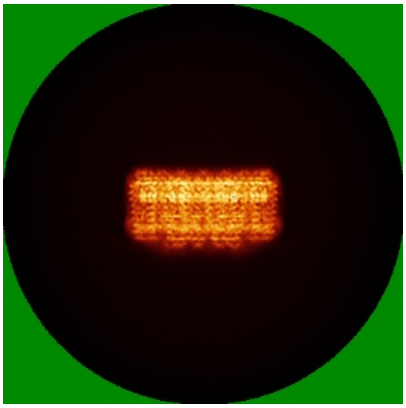


Y

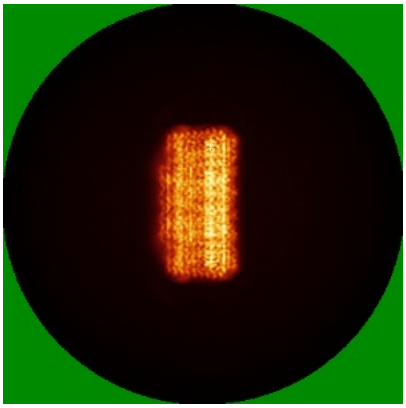


Z

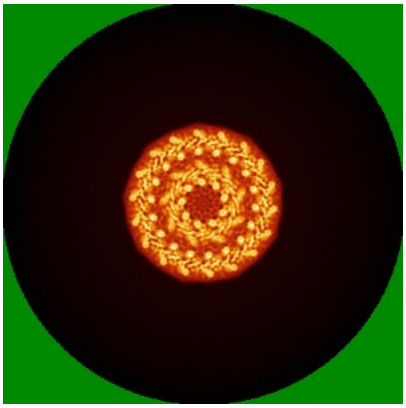
6.4.2 Raw map



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 0.035. 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.

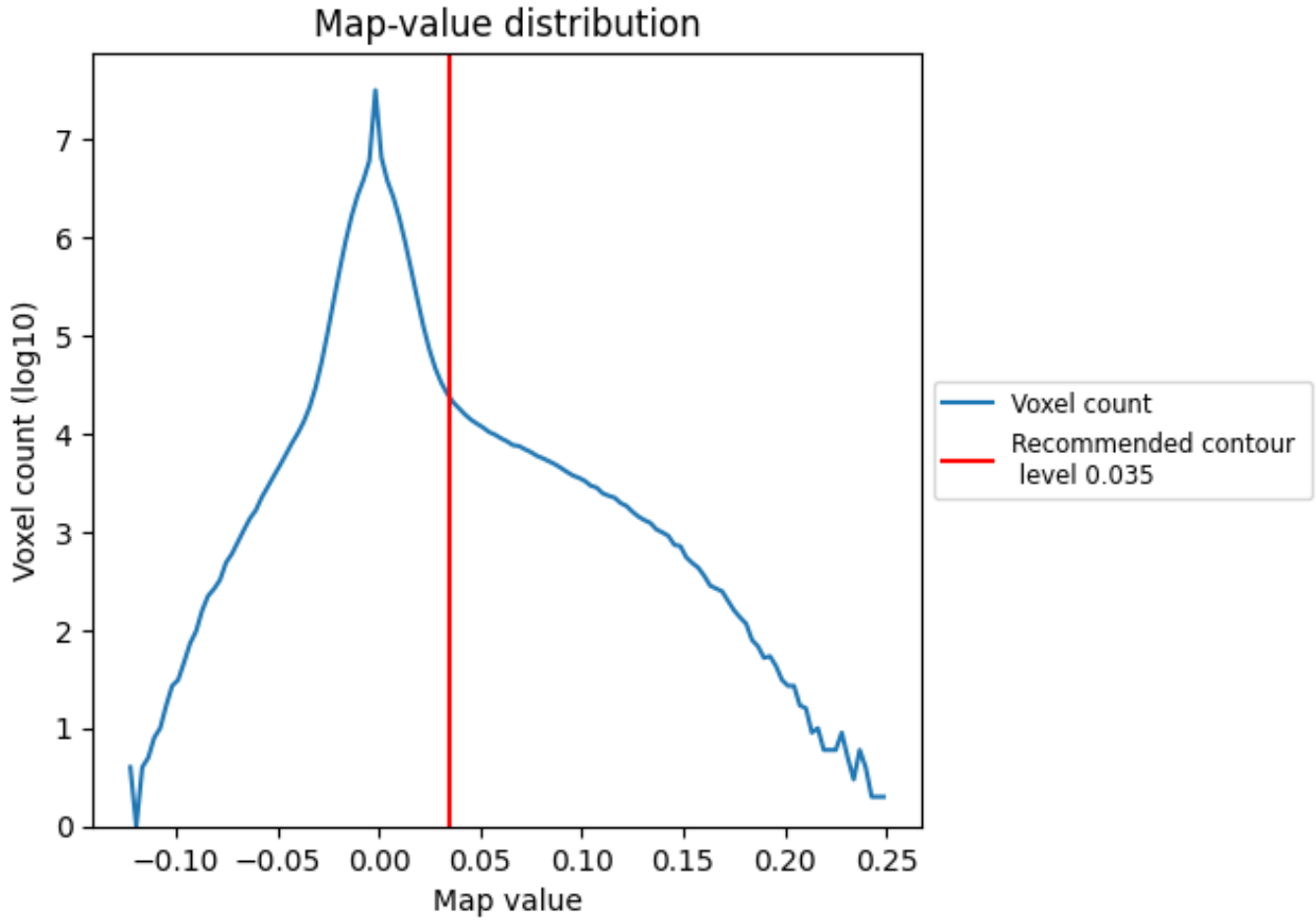
6.6 Mask visualisation (i)

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

7 Map analysis

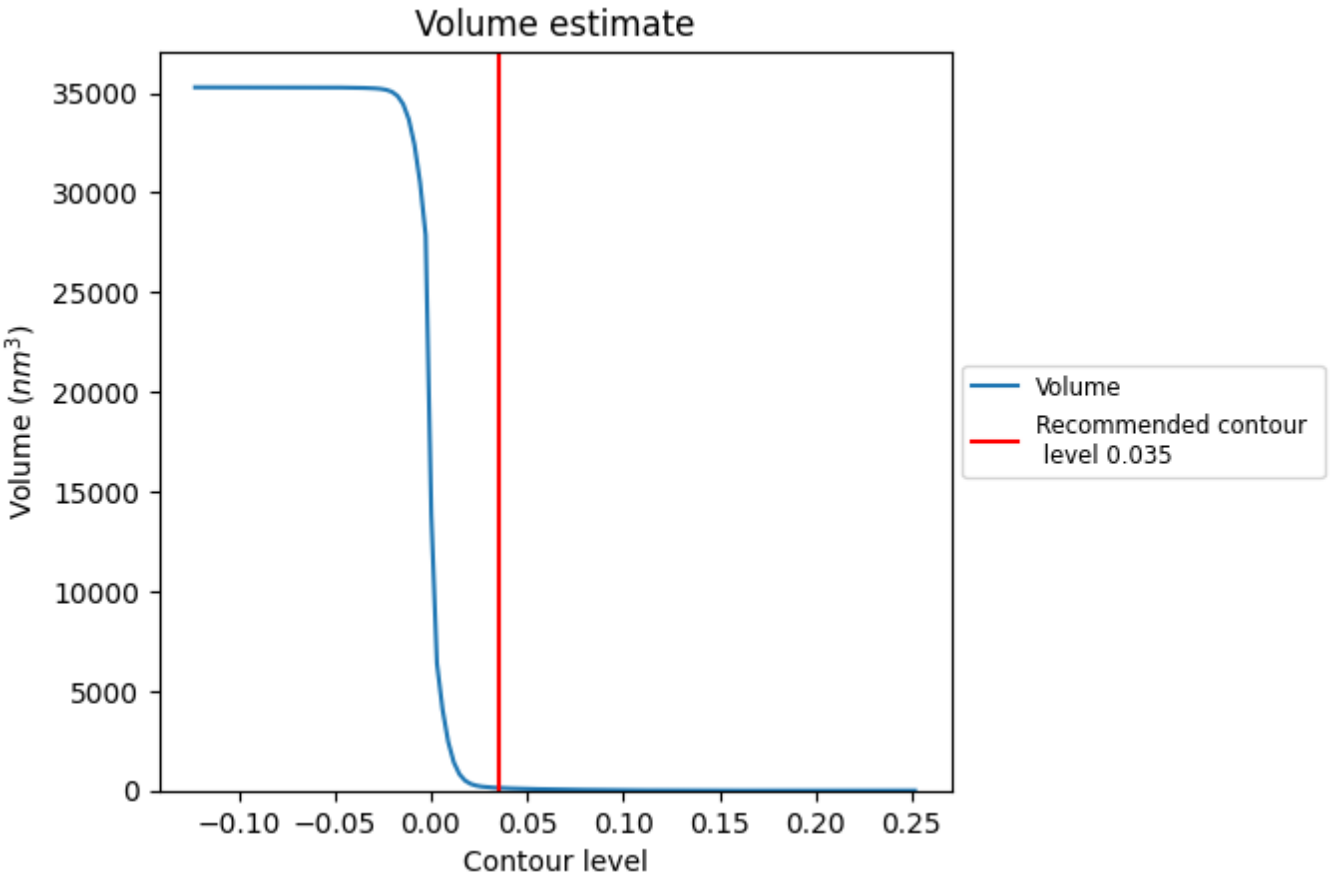
This section contains the results of statistical analysis of the map.

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.

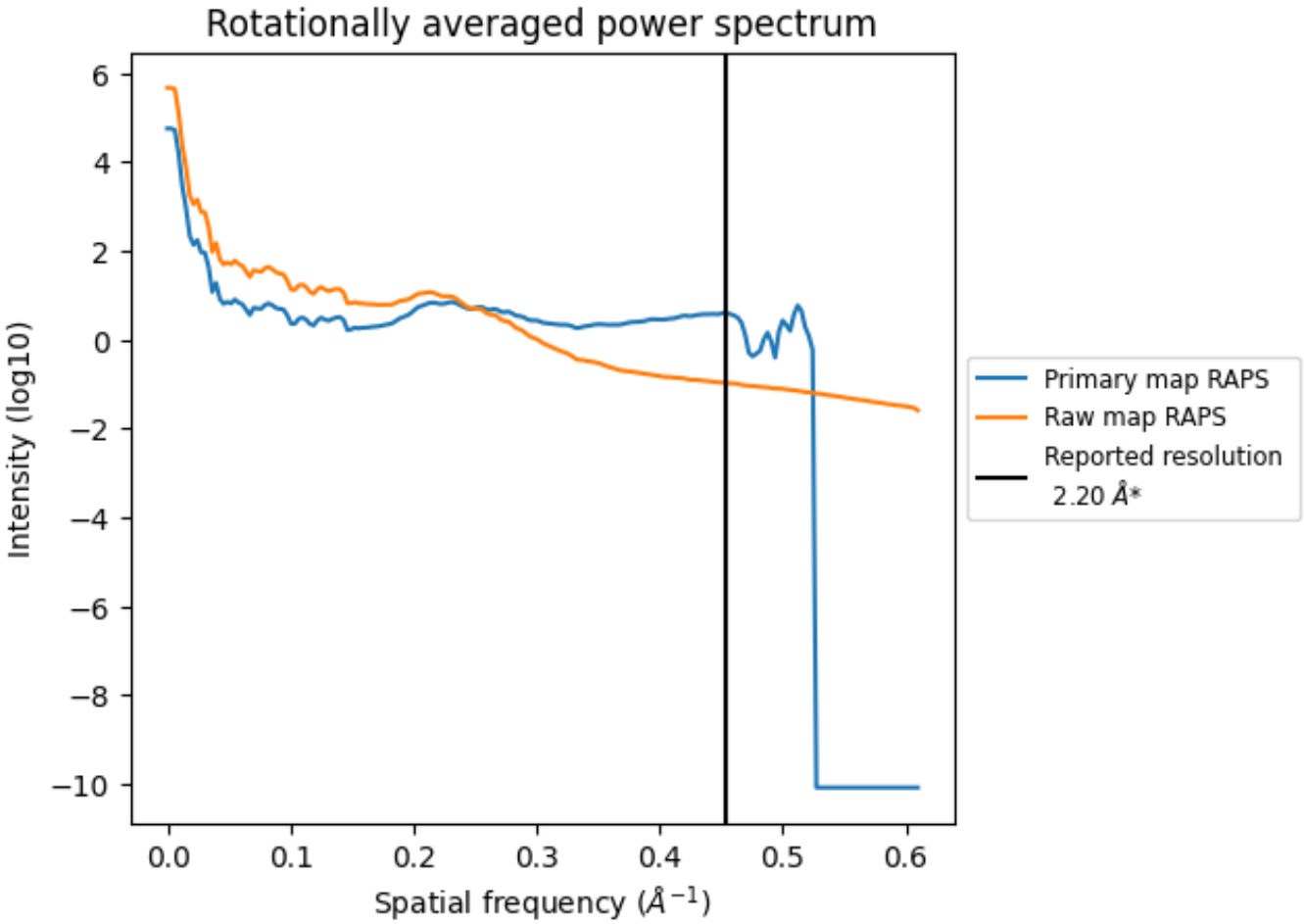
7.2 Volume estimate



The volume at the recommended contour level is 134 nm^3; this corresponds to an approximate mass of 121 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)

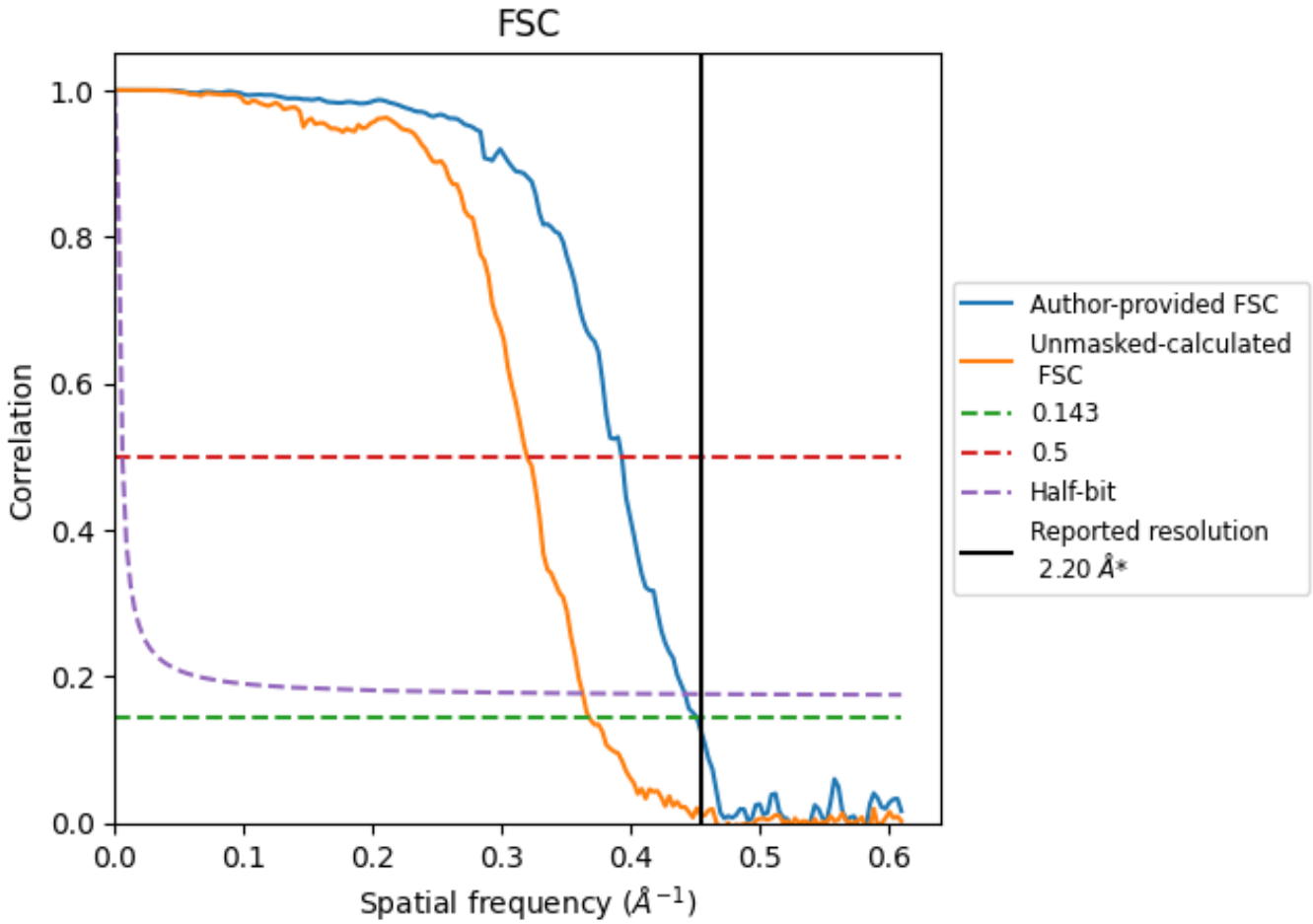


*Reported resolution corresponds to spatial frequency of 0.455 Å^{-1}

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 0.455 Å^{-1}

8.2 Resolution estimates (i)

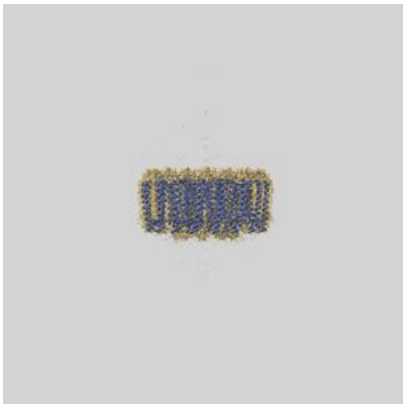
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.20	-	-
Author-provided FSC curve	2.22	2.54	2.26
Unmasked-calculated*	2.72	3.13	2.76

*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 2.72 differs from the reported value 2.2 by more than 10 %

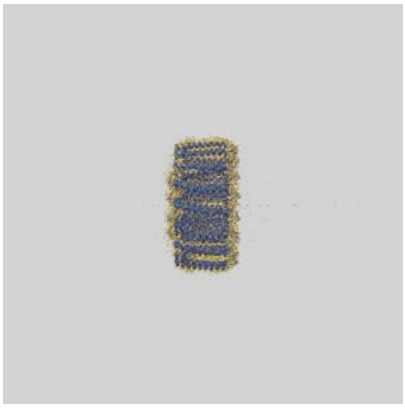
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-39835 and PDB model 8Z81. Per-residue inclusion information can be found in section 3 on page 22.

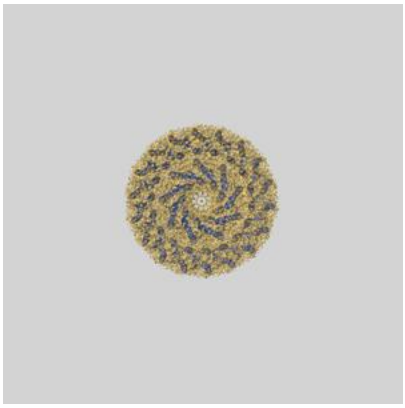
9.1 Map-model overlay



X



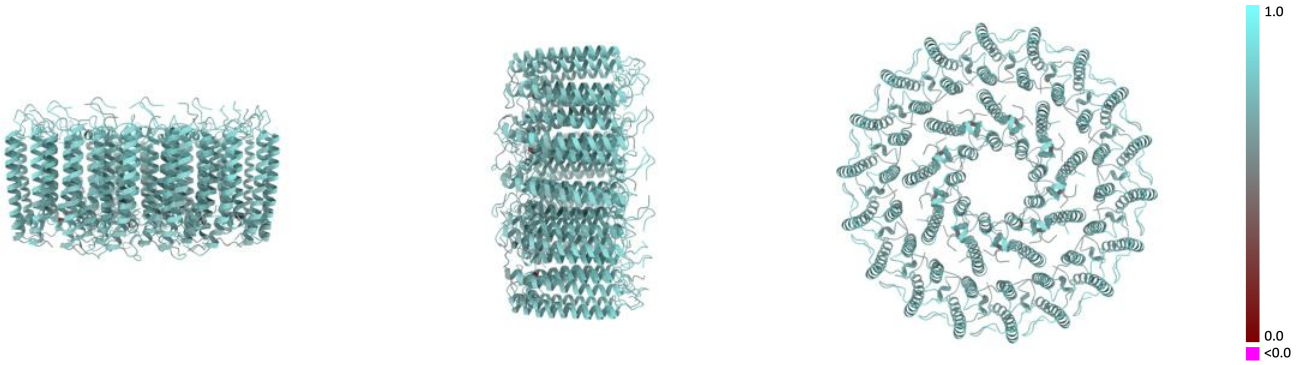
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.035 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.

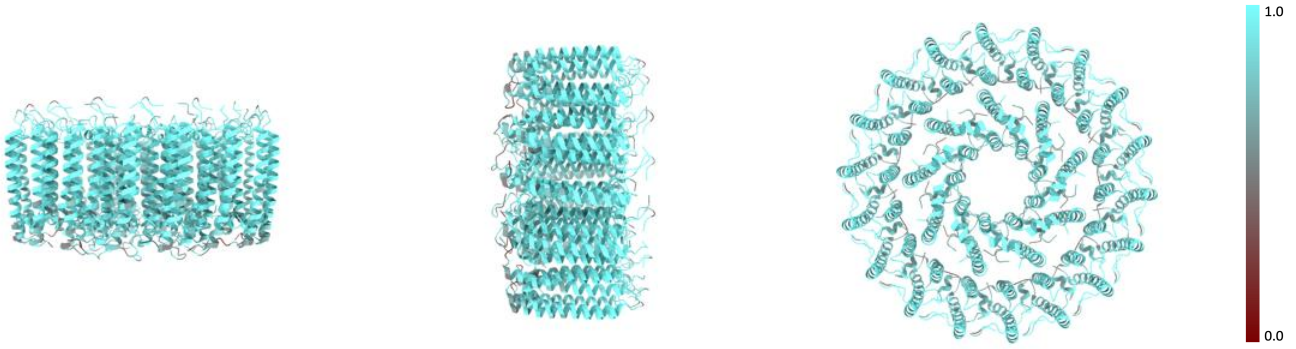
9.2 Q-score mapped to coordinate model (i)



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.

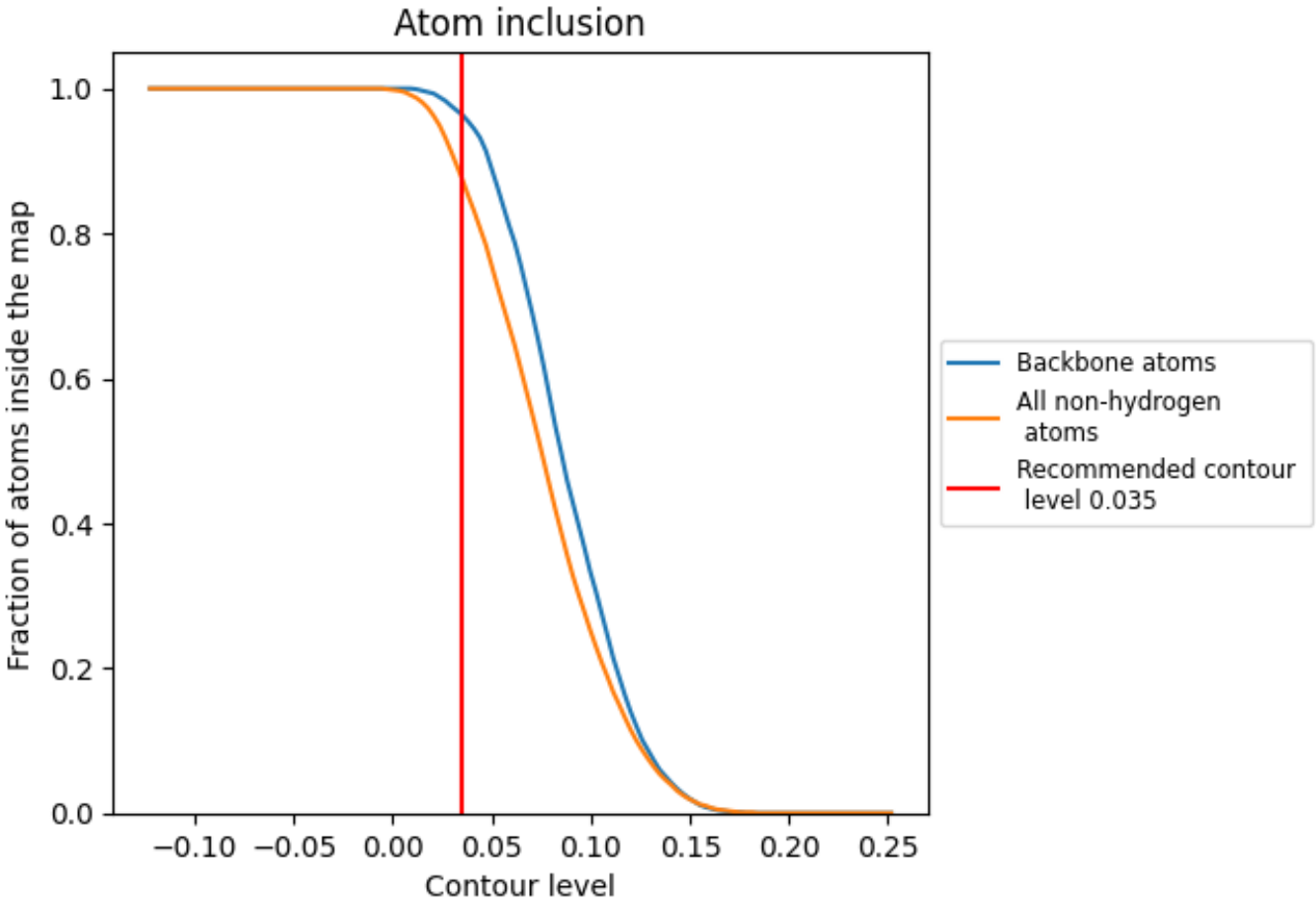
9.3 Atom inclusion mapped to coordinate model (i)



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 (0.035).

9.4 Atom inclusion (i)



At the recommended contour level, 96% of all backbone atoms, 88% 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 (0.035) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.8750	0.6820
0	0.8680	0.6800
1	0.8510	0.6550
2	0.8620	0.6750
3	0.8980	0.7030
4	0.8590	0.6870
5	0.8460	0.6530
6	0.8770	0.6850
7	0.9060	0.7040
8	0.8610	0.6870
9	0.8410	0.6550
A	0.9020	0.7050
B	0.8650	0.6870
C	0.8510	0.6540
D	0.8770	0.6850
E	0.9060	0.7070
F	0.8610	0.6910
G	0.8500	0.6550
H	0.8850	0.6850
I	0.9040	0.7070
J	0.8630	0.6880
K	0.8530	0.6550
L	0.8660	0.6830
M	0.8950	0.7050
N	0.8630	0.6900
O	0.8430	0.6560
P	0.8750	0.6810
Q	0.9060	0.7080
R	0.8630	0.6900
S	0.8450	0.6560
T	0.8790	0.6830
U	0.9020	0.7040
V	0.8590	0.6890
W	0.8480	0.6570
X	0.8770	0.6820

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Continued from previous page...

Chain	Atom inclusion	Q-score
Y	0.9020	0.7040
Z	0.8830	0.6940
a	0.8920	0.6860
b	0.8910	0.6800
c	0.8870	0.6880
d	0.8810	0.6840
e	0.8810	0.6890
f	0.8870	0.6830
g	0.8820	0.6900
h	0.8870	0.6820
i	0.8810	0.6890
j	0.8790	0.6820
k	0.8810	0.6870
l	0.8850	0.6800
m	0.8840	0.6840
n	0.8830	0.6800
o	0.8760	0.6840
p	0.8790	0.6790
q	0.8830	0.6870
r	0.8900	0.6810