



Full wwPDB X-ray Structure Validation Report ⓘ

Nov 11, 2023 – 06:17 pm GMT

PDB ID : 7A5M
Title : ENAH EVH1 in complex with Ac-[2-Cl-F]-[ProM-2]-[ProM-17]-OMe
Authors : Barone, M.; Roske, Y.
Deposited on : 2020-08-21
Resolution : 0.78 Å(reported)

This is a Full wwPDB X-ray Structure 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/XrayValidationReportHelp>

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:

MolProbity : 4.02b-467
Mogul : 1.8.4, CSD as541be (2020)
Xtrriage (Phenix) : 1.13
EDS : 2.36
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.36

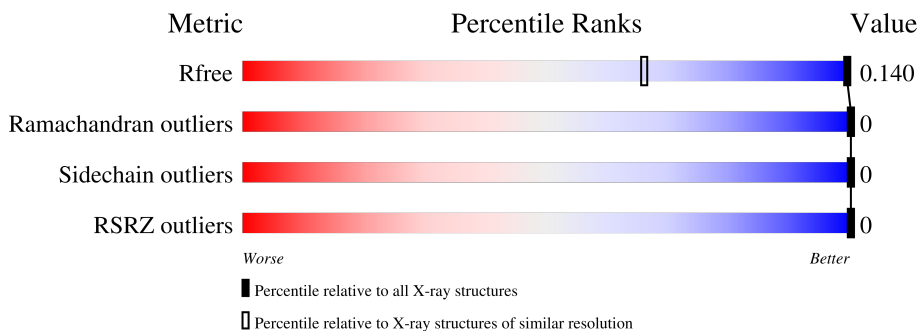
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 0.78 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)	Similar resolution (#Entries, resolution range(Å))
R_{free}	130704	1080 (1.04-0.54)
Ramachandran outliers	138981	1072 (1.04-0.54)
Sidechain outliers	138945	1073 (1.04-0.54)
RSRZ outliers	127900	1045 (1.04-0.56)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower 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 $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	113	 94% 5%
2	B	4	 50% 50%
2	C	4	 50% 50%

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 2963 atoms, of which 1368 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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 Protein enabled homolog.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
1	A	112	2300	728	1136	219	205	12	232	42	0

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-1	GLY	-	expression tag	UNP Q8N8S7
A	0	SER	-	expression tag	UNP Q8N8S7

- Molecule 2 is a protein called Ac-[2-Cl-F]-[ProM-2]-[ProM-17]-OMe.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	Cl	H	N	O			
2	B	4	198	76	2	96	10	14	0	4	0
2	C	4	278	106	2	136	14	20	0	4	0

- Molecule 3 is NITRATE ION (three-letter code: NO3) (formula: NO₃).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	A	1	Total	N	O	0	1
			8	2	6		

- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	155	Total	O	0	20
			166	166		
4	B	8	Total	O	0	2
			10	10		
4	C	3	Total	O	0	0
			3	3		

3 Residue-property plots

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 electron 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 dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). 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: Protein enabled homolog

Chain A:  94% 5%



- Molecule 2: Ac-[2-Cl-F]-[ProM-2]-[ProM-17]-OMe

Chain B:  50% 50%



- Molecule 2: Ac-[2-Cl-F]-[ProM-2]-[ProM-17]-OMe

Chain C:  50% 50%



4 Data and refinement statistics i

Property	Value	Source
Space group	C 2 2 21	Depositor
Cell constants a, b, c, α , β , γ	35.15Å 61.36Å 88.94Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	17.97 – 0.78 30.68 – 0.78	Depositor EDS
% Data completeness (in resolution range)	97.4 (17.97-0.78) 97.7 (30.68-0.78)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.04 (at 0.78Å)	Xtrriage
Refinement program	PHENIX 1.17.1_3660	Depositor
R, R_{free}	0.119 , 0.140 0.120 , 0.140	Depositor DCC
R_{free} test set	5337 reflections (5.00%)	wwPDB-VP
Wilson B-factor (Å ²)	9.4	Xtrriage
Anisotropy	0.203	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.42 , 58.1	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtrriage
Estimated twinning fraction	0.016 for 1/2*h-1/2*k,-3/2*h-1/2*k,-l 0.032 for 1/2*h+1/2*k,3/2*h-1/2*k,-l	Xtrriage
F_o, F_c correlation	0.99	EDS
Total number of atoms	2963	wwPDB-VP
Average B, all atoms (Å ²)	16.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 11.52% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

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: 2L6, JQ0, ACE, NO3, 2L5

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	A	1.01	6/1248 (0.5%)	1.03	4/1681 (0.2%)

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

Mol	Chain	#Chirality outliers	#Planarity outliers
1	A	0	1

All (6) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	24	VAL	CB-CG2	-11.26	1.29	1.52
1	A	7[A]	CYS	CB-SG	-9.30	1.66	1.82
1	A	7[B]	CYS	CB-SG	-9.30	1.66	1.82
1	A	110	VAL	CB-CG2	-7.11	1.38	1.52
1	A	99[A]	VAL	CB-CG2	-5.45	1.41	1.52
1	A	99[B]	VAL	CB-CG2	-5.45	1.41	1.52

All (4) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	99[A]	VAL	CG1-CB-CG2	6.62	121.50	110.90
1	A	99[B]	VAL	CG1-CB-CG2	6.62	121.50	110.90
1	A	103[A]	ALA	N-CA-CB	5.01	117.12	110.10
1	A	103[B]	ALA	N-CA-CB	5.01	117.12	110.10

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	81[A]	ARG	Peptide

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	1164	1136	1114	0	0
2	B	102	96	30	0	0
2	C	142	136	37	0	0
3	A	8	0	0	0	0
4	A	166	0	0	0	0
4	B	10	0	0	0	0
4	C	3	0	0	0	0
All	All	1595	1368	1181	0	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). Clashscore could not be calculated for this entry.

There are no clashes within the asymmetric unit.

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

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	A	153/113 (135%)	147 (96%)	6 (4%)	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 X-ray entries followed by that with respect to entries of similar resolution.

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	A	129/92 (140%)	129 (100%)	0	100 100

There are no protein residues with a non-rotameric sidechain to report.

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

10 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
2	2L6	B	3[B]	2	15,18,19	3.69	5 (33%)	12,27,29	2.84	6 (50%)
2	2L6	C	3[B]	2	15,18,19	3.27	8 (53%)	12,27,29	3.66	6 (50%)
2	2L5	B	2[B]	2	11,12,13	1.71	2 (18%)	11,15,17	1.79	1 (9%)
2	2L6	C	3[C]	2	15,18,19	3.84	6 (40%)	12,27,29	3.91	6 (50%)
2	2L5	C	2[A]	2	11,12,13	2.96	2 (18%)	11,15,17	1.15	1 (9%)
2	2L6	C	3[A]	2	15,18,19	3.59	3 (20%)	12,27,29	3.60	9 (75%)
2	2L6	B	3[A]	2	15,18,19	2.65	6 (40%)	12,27,29	1.87	2 (16%)
2	2L5	B	2[A]	2	11,12,13	2.01	1 (9%)	11,15,17	1.88	3 (27%)
2	2L5	C	2[B]	2	11,12,13	3.25	2 (18%)	11,15,17	2.70	4 (36%)

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
2	2L6	B	3[B]	2	-	0/0/40/42	0/3/3/3
2	2L6	C	3[B]	2	-	0/0/40/42	0/3/3/3
2	2L5	B	2[B]	2	-	0/5/6/8	0/1/1/1
2	2L6	C	3[C]	2	-	0/0/40/42	0/3/3/3
2	2L5	C	2[A]	2	-	1/5/6/8	0/1/1/1
2	2L6	C	3[A]	2	-	0/0/40/42	0/3/3/3
2	2L6	B	3[A]	2	-	0/0/40/42	0/3/3/3
2	2L5	B	2[A]	2	-	0/5/6/8	0/1/1/1
2	2L5	C	2[B]	2	-	1/5/6/8	0/1/1/1

All (35) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	C	3[C]	2L6	CA-C31	-12.16	1.41	1.54
2	C	3[A]	2L6	CA-C31	-12.06	1.41	1.54
2	B	3[B]	2L6	CA-C31	-12.04	1.41	1.54
2	C	2[B]	2L5	C13-C14	-10.09	1.38	1.51
2	C	2[A]	2L5	C13-C14	-9.46	1.39	1.51
2	C	3[B]	2L6	C34-CA	-7.78	1.46	1.55
2	B	2[A]	2L5	C13-C14	-6.38	1.43	1.51
2	B	3[A]	2L6	CA-C31	-6.38	1.47	1.54
2	C	3[B]	2L6	CA-C31	-5.91	1.47	1.54
2	B	3[B]	2L6	C28-C26	5.34	1.40	1.32
2	C	3[A]	2L6	C28-C26	5.12	1.40	1.32
2	B	3[A]	2L6	C28-C26	4.96	1.40	1.32
2	C	3[C]	2L6	C28-C26	4.92	1.39	1.32
2	B	2[B]	2L5	C13-CA	4.56	1.63	1.53
2	C	3[B]	2L6	C28-C26	4.25	1.38	1.32
2	C	3[C]	2L6	C10-N3	3.74	1.51	1.47
2	C	3[B]	2L6	O3-C31	3.57	1.27	1.22
2	B	3[A]	2L6	C34-CA	3.45	1.58	1.55
2	C	3[C]	2L6	C27-N3	3.33	1.51	1.47
2	C	3[A]	2L6	C27-C28	-3.27	1.38	1.50
2	C	2[B]	2L5	C15-CL	3.18	1.81	1.73
2	C	3[C]	2L6	C27-C28	-3.04	1.39	1.50
2	C	3[B]	2L6	C27-N3	2.74	1.50	1.47
2	C	3[B]	2L6	C27-C28	-2.61	1.41	1.50
2	B	3[A]	2L6	C9-C10	2.61	1.58	1.53
2	B	3[B]	2L6	C31-N3	-2.60	1.32	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	3[B]	2L6	C27-C28	-2.55	1.41	1.50
2	C	3[B]	2L6	C10-N3	-2.47	1.45	1.47
2	B	3[A]	2L6	C24-C27	2.35	1.58	1.53
2	B	2[B]	2L5	C15-C14	2.27	1.42	1.39
2	C	2[A]	2L5	C15-CL	-2.24	1.68	1.73
2	B	3[B]	2L6	C10-N3	2.18	1.50	1.47
2	C	3[C]	2L6	C31-N3	-2.14	1.33	1.35
2	C	3[B]	2L6	C9-C24	-2.09	1.48	1.54
2	B	3[A]	2L6	C10-N3	2.02	1.49	1.47

All (38) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	3[B]	2L6	C34-CA-C26	-10.02	100.22	110.25
2	C	3[C]	2L6	C10-N3-C31	9.17	131.73	120.84
2	C	3[A]	2L6	C9-C24-C27	-6.83	95.91	103.64
2	B	3[B]	2L6	C34-CA-C26	6.41	116.67	110.25
2	C	3[A]	2L6	C10-N3-C31	6.23	128.24	120.84
2	C	2[B]	2L5	C14-C13-CA	-6.03	105.20	114.53
2	C	3[C]	2L6	C9-C10-C	5.78	120.65	112.70
2	B	2[B]	2L5	C14-C13-CA	5.03	122.31	114.53
2	C	2[B]	2L5	C14-C15-CL	4.72	127.39	119.73
2	B	2[A]	2L5	C13-CA-C	-4.67	102.71	111.47
2	C	3[C]	2L6	C28-C27-N3	-4.55	105.02	112.27
2	C	3[B]	2L6	C26-CA-N	4.51	119.00	111.77
2	C	3[C]	2L6	C29-C34-CA	-4.27	99.88	104.87
2	B	3[B]	2L6	C26-CA-N	-4.12	105.16	111.77
2	B	3[A]	2L6	C9-C24-C27	-4.01	99.11	103.64
2	C	3[A]	2L6	C29-C34-CA	-3.67	100.59	104.87
2	C	3[A]	2L6	C26-CA-N	-3.65	105.92	111.77
2	B	3[A]	2L6	O3-C31-N3	-3.63	116.62	122.07
2	C	3[A]	2L6	C34-C29-C30	-3.52	97.49	104.26
2	C	3[C]	2L6	C34-C29-C30	-3.48	97.57	104.26
2	C	3[B]	2L6	C29-C34-CA	-3.32	101.00	104.87
2	C	3[B]	2L6	C29-C30-N	-3.29	96.15	105.68
2	C	2[A]	2L5	C14-C13-CA	-3.28	109.46	114.53
2	B	3[B]	2L6	C9-C10-C	-3.27	108.21	112.70
2	B	3[B]	2L6	C9-C24-C27	-3.15	100.08	103.64
2	C	3[A]	2L6	C9-C10-C	-2.99	108.59	112.70
2	B	2[A]	2L5	C14-C13-CA	-2.81	110.19	114.53
2	C	3[B]	2L6	C9-C24-C27	-2.78	100.49	103.64
2	B	3[B]	2L6	C34-C29-C30	-2.57	99.31	104.26

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	C	2[B]	2L5	C13-CA-C	-2.55	106.68	111.47
2	C	3[A]	2L6	C34-CA-C26	2.52	112.78	110.25
2	B	3[B]	2L6	C10-N3-C31	2.51	123.82	120.84
2	C	2[B]	2L5	C19-C15-CL	-2.49	113.40	118.41
2	C	3[A]	2L6	C24-C9-C10	-2.49	100.82	103.64
2	C	3[B]	2L6	C34-C29-C30	-2.34	99.77	104.26
2	C	3[C]	2L6	C27-N3-C31	-2.22	118.90	123.59
2	B	2[A]	2L5	C14-C15-CL	-2.22	116.12	119.73
2	C	3[A]	2L6	O3-C31-N3	-2.10	118.92	122.07

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	C	2[B]	2L5	C14-C13-CA-C
2	C	2[A]	2L5	C14-C13-CA-C

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

2 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	$\# Z > 2$
3	NO3	A	201[A]	-	1,3,3	0.66	0	0,3,3	-	-
3	NO3	A	201[B]	-	1,3,3	0.02	0	0,3,3	-	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

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 Fit of model and data [i](#)

6.1 Protein, DNA and RNA chains [i](#)

In the following table, the column labelled ‘#RSRZ > 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q < 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	112/113 (99%)	-0.56	0 100 100	7, 10, 20, 30	1 (0%)
2	B	0/4	-	-	-	-
2	C	0/4	-	-	-	-
All	All	112/121 (92%)	-0.56	0 100 100	7, 10, 20, 30	1 (0%)

There are no RSRZ outliers to report.

6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled ‘Q < 0.9’ lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
2	2L5	C	2[A]	12/13	0.91	0.13	15,31,40,41	20
2	2L5	C	2[B]	12/13	0.91	0.13	12,21,28,30	19
2	2L5	C	2[C]	4/13	0.91	0.13	32,34,39,40	7
2	2L6	C	3[A]	16/17	0.94	0.14	40,45,50,51	30
2	2L6	C	3[B]	16/17	0.94	0.14	9,13,17,18	30
2	2L6	C	3[C]	16/17	0.94	0.14	29,35,42,43	30
2	2L6	B	3[B]	16/17	0.98	0.05	12,15,17,18	30
2	2L6	B	3[A]	16/17	0.98	0.05	8,11,17,18	30
2	2L5	B	2[A]	12/13	0.99	0.03	8,11,14,15	20
2	2L5	B	2[B]	12/13	0.99	0.03	9,11,14,14	20

6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
3	NO3	A	201[A]	4/4	0.97	0.08	27,30,31,34	4
3	NO3	A	201[B]	4/4	0.97	0.08	15,15,16,17	4

6.5 Other polymers [i](#)

There are no such residues in this entry.