



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 8, 2026 – 06:29 AM UTC

PDB ID : 6O4M / pdb_00006o4m
Title : Racemic melittin
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Deposited on : 2019-02-28
Resolution : 1.27 Å(reported)

This is a wwPDB X-ray Structure Validation Summary Report for a publicly released PDB entry.

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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	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

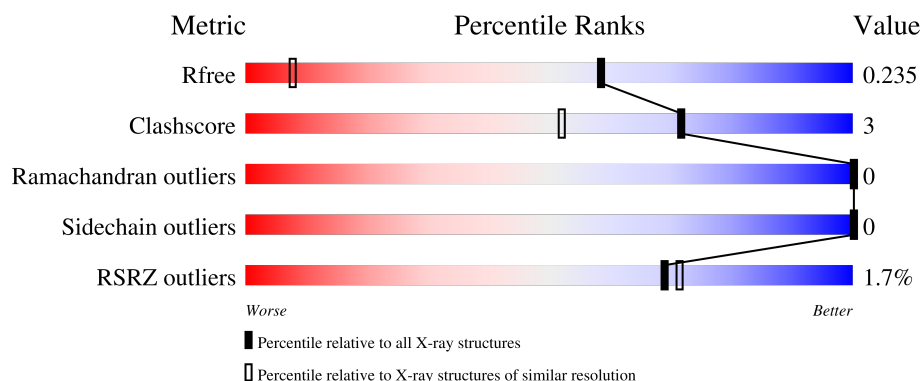
1 Overall quality at a glance ⓘ

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.27 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}	180053	2836 (1.30-1.26)
Clashscore	190562	2911 (1.30-1.26)
Ramachandran outliers	187476	2841 (1.30-1.26)
Sidechain outliers	187428	2840 (1.30-1.26)
RSRZ outliers	180081	2832 (1.30-1.26)

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	C	27	85% 15%
1	D	27	96% .
2	A	27	4% 96% .
2	B	27	96% .

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 2015 atoms, of which 975 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 (with D amino acids) called D-Melittin.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	D	27	Total	C	H	N	O	0	0	1
			436	131	235	39	31			
1	C	27	Total	C	H	N	O	0	5	1
			476	143	258	42	33			

There are 48 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
D	2	DIL	ILE	SEE REMARK 999	UNP P01501
D	4	DAL	ALA	SEE REMARK 999	UNP P01501
D	5	DVA	VAL	SEE REMARK 999	UNP P01501
D	6	DLE	LEU	SEE REMARK 999	UNP P01501
D	7	DLY	LYS	SEE REMARK 999	UNP P01501
D	8	DVA	VAL	SEE REMARK 999	UNP P01501
D	9	DLE	LEU	SEE REMARK 999	UNP P01501
D	10	DTH	THR	SEE REMARK 999	UNP P01501
D	11	DTH	THR	SEE REMARK 999	UNP P01501
D	13	DLE	LEU	SEE REMARK 999	UNP P01501
D	14	DPR	PRO	SEE REMARK 999	UNP P01501
D	15	DAL	ALA	SEE REMARK 999	UNP P01501
D	16	DLE	LEU	SEE REMARK 999	UNP P01501
D	17	DIL	ILE	SEE REMARK 999	UNP P01501
D	18	DSN	SER	SEE REMARK 999	UNP P01501
D	19	DTR	TRP	SEE REMARK 999	UNP P01501
D	20	DIL	ILE	SEE REMARK 999	UNP P01501
D	21	DLY	LYS	SEE REMARK 999	UNP P01501
D	22	DAR	ARG	SEE REMARK 999	UNP P01501
D	23	DLY	LYS	SEE REMARK 999	UNP P01501
D	24	DAR	ARG	SEE REMARK 999	UNP P01501
D	25	DGN	GLN	SEE REMARK 999	UNP P01501
D	26	DGN	GLN	SEE REMARK 999	UNP P01501
D	27	NH2	-	amidation	UNP P01501
C	2	DIL	ILE	SEE REMARK 999	UNP P01501

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Chain	Residue	Modelled	Actual	Comment	Reference
C	4	DAL	ALA	SEE REMARK 999	UNP P01501
C	5	DVA	VAL	SEE REMARK 999	UNP P01501
C	6	DLE	LEU	SEE REMARK 999	UNP P01501
C	7	DLY	LYS	SEE REMARK 999	UNP P01501
C	8	DVA	VAL	SEE REMARK 999	UNP P01501
C	9	DLE	LEU	SEE REMARK 999	UNP P01501
C	10	DTH	THR	SEE REMARK 999	UNP P01501
C	11	DTH	THR	SEE REMARK 999	UNP P01501
C	13	DLE	LEU	SEE REMARK 999	UNP P01501
C	14	DPR	PRO	SEE REMARK 999	UNP P01501
C	15	DAL	ALA	SEE REMARK 999	UNP P01501
C	16	DLE	LEU	SEE REMARK 999	UNP P01501
C	17	DIL	ILE	SEE REMARK 999	UNP P01501
C	18	DSN	SER	SEE REMARK 999	UNP P01501
C	19	DTR	TRP	SEE REMARK 999	UNP P01501
C	20	DIL	ILE	SEE REMARK 999	UNP P01501
C	21	DLY	LYS	SEE REMARK 999	UNP P01501
C	22	DAR	ARG	SEE REMARK 999	UNP P01501
C	23	DLY	LYS	SEE REMARK 999	UNP P01501
C	24	DAR	ARG	SEE REMARK 999	UNP P01501
C	25	DGN	GLN	SEE REMARK 999	UNP P01501
C	26	DGN	GLN	SEE REMARK 999	UNP P01501
C	27	NH2	-	amidation	UNP P01501

- Molecule 2 is a protein called Melittin.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
2	A	27	Total	C	H	N	O	0	0	1
			436	131	235	39	31			
2	B	27	Total	C	H	N	O	0	2	1
			454	136	247	39	32			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	27	NH2	-	amidation	UNP P01501
B	27	NH2	-	amidation	UNP P01501

- Molecule 3 is SULFATE ION (CCD ID: SO4) (formula: O₄S).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	D	1	Total	O	S	0	0
			5	4	1		
3	D	1	Total	O	S	0	0
			5	4	1		
3	A	1	Total	O	S	0	0
			5	4	1		
3	A	1	Total	O	S	0	0
			5	4	1		
3	B	1	Total	O	S	0	0
			5	4	1		
3	B	1	Total	O	S	0	0
			5	4	1		
3	B	1	Total	O	S	0	0
			5	4	1		
3	C	1	Total	O	S	0	0
			5	4	1		
3	C	1	Total	O	S	0	0
			5	4	1		

- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	D	39	Total	O	0	1
			40	40		
4	A	45	Total	O	0	4
			49	49		
4	B	38	Total	O	0	2
			40	40		

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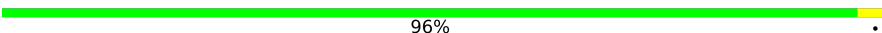
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	C	37	Total	O	0	2
			39	39		

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 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: D-Melittin

Chain D:  96% .

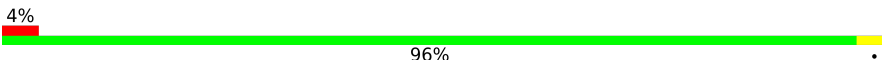


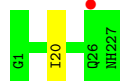
- Molecule 1: D-Melittin

Chain C:  85% 15%

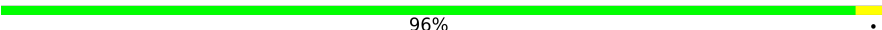


- Molecule 2: Melittin

Chain A:  4% 96% .



- Molecule 2: Melittin

Chain B:  96% .



4 Data and refinement statistics

Property	Value	Source
Space group	C 1 2 1	Depositor
Cell constants a, b, c, α , β , γ	38.38Å 58.99Å 44.02Å 90.00° 110.60° 90.00°	Depositor
Resolution (Å)	23.98 – 1.27 23.98 – 1.27	Depositor EDS
% Data completeness (in resolution range)	99.5 (23.98-1.27) 88.2 (23.98-1.27)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	0.07	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.44 (at 1.27Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.201 , 0.235 0.200 , 0.235	Depositor DCC
R_{free} test set	1997 reflections (4.20%)	wwPDB-VP
Wilson B-factor (Å ²)	12.1	Xtriage
Anisotropy	0.408	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.37 , 44.0	EDS
L-test for twinning ²	$\langle L \rangle = 0.62$, $\langle L^2 \rangle = 0.48$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.97	EDS
Total number of atoms	2015	wwPDB-VP
Average B, all atoms (Å ²)	18.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 14.75% 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: NH2, DTR, DAL, DTH, DPR, DSN, DAR, DLE, DLY, DIL, DGN, DVA, SO4

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	C	0.33	0/9	0.65	0/6
1	D	0.52	0/9	0.59	0/6
2	A	0.34	0/202	0.62	0/271
2	B	0.42	0/216	0.56	0/290
All	All	0.38	0/436	0.59	0/573

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	C	218	258	243	4	0
1	D	201	235	220	1	0
2	A	201	235	233	1	0
2	B	207	247	241	1	0
3	A	10	0	0	0	0
3	B	15	0	0	0	0
3	C	10	0	0	0	0
3	D	10	0	0	0	0
4	A	49	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	B	40	0	0	1	0
4	C	39	0	0	1	0
4	D	40	0	0	1	0
All	All	1040	975	937	6	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 3.

The worst 5 of 6 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:27:NH2:N	4:D:201:HOH:O	2.31	0.62
1:C:10[B]:DTH:HG21	4:C:222:HOH:O	2.00	0.60
4:B:223:HOH:O	1:C:11:DTH:HG21	2.18	0.44
2:A:20:ILE:HD13	2:B:6[B]:LEU:HD21	2.00	0.43
1:C:13:DLE:HB3	1:C:14:DPR:HD2	2.03	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all 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	C	2/27 (7%)	2 (100%)	0	0	100	100
1	D	2/27 (7%)	1 (50%)	1 (50%)	0	100	100
2	A	25/27 (93%)	24 (96%)	1 (4%)	0	100	100
2	B	27/27 (100%)	27 (100%)	0	0	100	100
All	All	56/108 (52%)	54 (96%)	2 (4%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 Protein sidechains ⓘ

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	
2	A	21/21 (100%)	21 (100%)	0	100	100
2	B	23/21 (110%)	23 (100%)	0	100	100
All	All	44/42 (105%)	44 (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 ⓘ

There are no RNA molecules in this entry.

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

50 non-standard protein/DNA/RNA residues are modelled in this entry.

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.

5.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

9 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	SO4	B	101	-	4,4,4	0.31	0	6,6,6	0.38	0
3	SO4	D	102	-	4,4,4	0.17	0	6,6,6	0.60	0
3	SO4	D	101	-	4,4,4	0.23	0	6,6,6	0.32	0
3	SO4	C	102	-	4,4,4	0.37	0	6,6,6	0.32	0
3	SO4	A	102	-	4,4,4	0.34	0	6,6,6	0.48	0
3	SO4	A	101	-	4,4,4	0.34	0	6,6,6	0.68	0
3	SO4	B	102	-	4,4,4	0.36	0	6,6,6	0.67	0
3	SO4	B	103	-	4,4,4	0.23	0	6,6,6	0.16	0
3	SO4	C	101	-	4,4,4	0.16	0	6,6,6	0.62	0

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	C	3/27 (11%)	0.26	0 100 100	14, 14, 16, 21	0
1	D	3/27 (11%)	-0.01	0 100 100	14, 14, 14, 20	0
2	A	26/27 (96%)	-0.14	1 (3%) 44 47	12, 16, 22, 22	1 (3%)
2	B	26/27 (96%)	0.23	0 100 100	9, 17, 28, 30	2 (7%)
All	All	58/108 (53%)	0.05	1 (1%) 69 71	9, 16, 26, 30	3 (5%)

All (1) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
2	A	26	GLN	2.0

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
1	DGN	D	26	9/10	0.81	0.14	18,25,36,36	0
1	DGN	C	25	9/10	0.85	0.14	15,27,39,39	0
1	DGN	C	26	9/10	0.87	0.13	17,23,42,42	0
1	DAR	C	22[A]	11/12	0.89	0.14	14,25,33,36	18
1	DAR	C	22[B]	11/12	0.89	0.14	14,23,30,32	18
1	DAR	D	24	11/12	0.89	0.09	14,17,21,25	0
1	DGN	D	25	9/10	0.90	0.13	15,23,33,35	0
1	DTH	C	11	7/8	0.90	0.09	15,18,25,30	0
1	DLY	C	21	9/10	0.92	0.09	12,19,30,30	0
1	DAR	C	24[D]	11/12	0.92	0.09	13,19,31,37	0
1	DLE	C	9	8/9	0.93	0.11	14,22,41,41	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
1	DLY	C	23	9/10	0.93	0.08	13,16,30,30	0
1	DIL	C	2	8/9	0.94	0.07	14,19,24,24	0
1	DVA	C	5	7/8	0.94	0.06	14,18,20,21	0
1	DLY	D	7	9/10	0.94	0.10	12,17,28,29	0
1	DLY	D	21	9/10	0.95	0.07	11,17,37,37	0
1	DAL	C	4	5/6	0.95	0.06	13,15,18,18	0
1	DTH	D	10	7/8	0.95	0.06	12,15,18,18	0
1	DLY	C	7	9/10	0.95	0.10	15,26,49,49	0
1	DLY	D	23	9/10	0.95	0.06	12,17,21,23	0
1	DLE	D	13	8/9	0.95	0.05	10,13,16,16	0
1	DLE	D	9	8/9	0.96	0.06	11,13,19,19	0
1	DAR	D	22	11/12	0.96	0.05	11,14,20,22	0
1	DIL	D	17	8/9	0.96	0.07	11,15,33,33	0
1	DSN	D	18	6/7	0.96	0.05	11,12,14,15	0
1	DTR	D	19	14/15	0.96	0.06	10,13,18,20	0
1	DIL	D	2	8/9	0.96	0.06	13,17,21,21	0
1	DLE	C	6[A]	8/9	0.97	0.07	14,18,20,23	13
1	DTR	C	19	14/15	0.97	0.05	11,13,16,19	0
1	DIL	D	20	8/9	0.97	0.05	11,13,16,16	0
1	DTH	C	10[A]	7/8	0.97	0.07	14,16,20,22	4
1	DTH	C	10[B]	7/8	0.97	0.07	12,16,24,26	11
1	DTH	D	11	7/8	0.97	0.05	11,14,17,17	0
1	DVA	D	8	7/8	0.97	0.06	11,15,20,20	0
1	DVA	C	8	7/8	0.97	0.06	13,18,23,23	0
1	DPR	D	14	7/8	0.97	0.04	10,12,15,15	0
1	DPR	C	14	7/8	0.97	0.06	12,14,17,17	0
1	DAL	D	15	5/6	0.97	0.05	10,11,14,14	0
1	DLE	D	16	8/9	0.97	0.06	10,13,17,17	0
1	DLE	C	6[B]	8/9	0.97	0.07	12,17,21,21	13
1	DAL	D	4	5/6	0.97	0.06	12,14,22,22	0
1	DSN	C	18[A]	6/7	0.97	0.07	12,15,18,20	5
1	DSN	C	18[B]	6/7	0.97	0.07	12,15,18,19	5
1	DLE	D	6	8/9	0.98	0.04	10,14,19,19	0
1	DIL	C	20	8/9	0.98	0.05	11,13,15,15	0
1	DLE	C	16	8/9	0.98	0.05	10,13,16,16	0
1	DVA	D	5	7/8	0.98	0.04	11,15,19,19	0
1	DAL	C	15	5/6	0.98	0.05	11,14,16,16	0
1	DLE	C	13	8/9	0.99	0.05	10,14,16,16	0
1	DIL	C	17	8/9	0.99	0.04	10,13,17,17	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides 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	SO4	B	103	5/5	0.74	0.11	36,42,46,47	0
3	SO4	B	101	5/5	0.90	0.11	19,21,25,26	0
3	SO4	A	102	5/5	0.90	0.11	25,27,33,34	0
3	SO4	C	101	5/5	0.92	0.11	22,24,32,37	0
3	SO4	D	101	5/5	0.93	0.11	18,19,24,25	5
3	SO4	B	102	5/5	0.93	0.10	18,20,23,24	5
3	SO4	C	102	5/5	0.95	0.07	18,20,26,27	0
3	SO4	D	102	5/5	0.96	0.08	16,18,21,22	0
3	SO4	A	101	5/5	0.96	0.08	17,19,23,24	0

6.5 Other polymers [i](#)

There are no such residues in this entry.