

# Full wwPDB X-ray Structure Validation Report (i)

#### Aug 20, 2023 – 01:45 AM EDT

PDB ID : 2FD0

Title : HIV-1 DIS kissing-loop in complex with lividomycin Authors : Ennifar, E.; Paillart, J.C.; Marquet, R.; Dumas, P.

Deposited on : 2005-12-13

Resolution : 1.80 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 (i) 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 (1)) were used in the production of this report:

MolProbity: 4.02b-467

Mogul : 1.8.5 (274361), CSD as541be (2020)

Xtriage (Phenix) : 1.13

EDS : 2.35

buster-report : 1.1.7 (2018)

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)

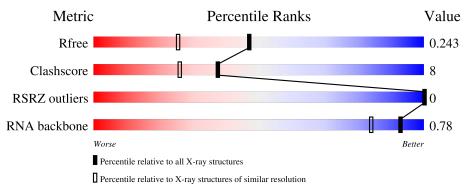
Validation Pipeline (wwPDB-VP) : 2.35

## 1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure: X-RAY DIFFRACTION

The reported resolution of this entry is 1.80 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	Similar resolution
Metric	$(\# \mathrm{Entries})$	$(\#  ext{Entries},  ext{ resolution range}( ext{Å}))$
$R_{free}$	130704	5950 (1.80-1.80)
Clashscore	141614	6793 (1.80-1.80)
RSRZ outliers	127900	5850 (1.80-1.80)
RNA backbone	3102	1060 (2.40-1.20)

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 <=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	23	91%	9%
1	В	23	83%	17%



## 2 Entry composition (i)

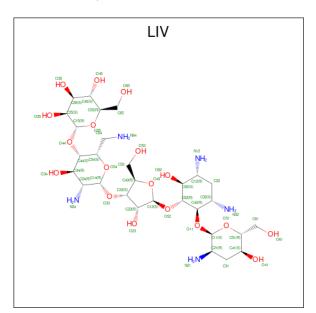
There are 5 unique types of molecules in this entry. The entry contains 1179 atoms, of which 0 are hydrogens and 0 are deuteriums.

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 RNA chain called HIV-1 DIS RNA.

Mol	Chain	Residues	Atoms			ZeroOcc	AltConf	Trace			
1	A	23	Total 490	Br 1	C 220		O 156	P 22	0	0	0
1	В	23	Total 490	Br 1	C 220	N 91	O 156	P 22	0	0	0

• Molecule 2 is (2R,3S,4S,5S,6R)-2-((2S,3S,4R,5R,6R)-5-AMINO-2-(AMINOMETHYL)-6 -((2R,3S,4R,5S)-5-((1R,2R,3S,5R,6S)-3,5-DIAMINO-2-((2S,3R,5S,6R)-3-AMINO-5-HY DROXY-6-(HYDROXYMETHYL)-TETRAHYDRO-2H-PYRAN-2-YLOXY)-6-HYDRO XYCYCLOHEXYLOXY)-4-HYDROXY-2-(HYDROXYMETHYL)-TETRAHYDROFU RAN-3-YLOXY)-4-HYDROXY-TETRAHYDRO-2H-PYRAN-3-YLOXY)-6-(HYDROXYMETHYL)-TETRAHYDRO-2H-PYRAN-3,4,5-TRIOL (three-letter code: LIV) (formula:  $C_{29}H_{55}N_5O_{18}$ ).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
9	Δ	1	Total	С	N	О	0	0
	Λ	1	52	29	5	18	0	U

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
2	R	1	Total	С	N	О	0	0
	Б	1	52	29	5	18	0	0

• Molecule 3 is POTASSIUM ION (three-letter code: K) (formula: K).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	A	2	Total K 2 2	0	0
3	В	2	Total K 2 2	0	0

• Molecule 4 is CHLORIDE ION (three-letter code: CL) (formula: Cl).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
4	В	1	Total Cl 1 1	0	0

• Molecule 5 is water.

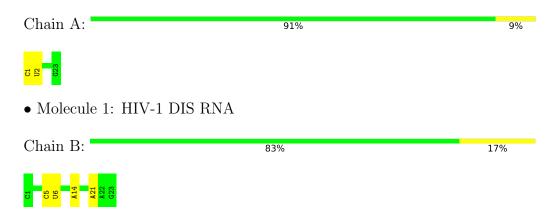
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
5	A	44	Total O 44 44	0	0
5	В	46	Total O 46 46	0	0



## 3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and 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: HIV-1 DIS RNA





# 4 Data and refinement statistics (i)

Property	Value	Source
Space group	C 2 2 21	Depositor
Cell constants	27.14Å 115.33Å 95.25Å	Donositor
a, b, c, $\alpha$ , $\beta$ , $\gamma$	90.00° 90.00° 90.00°	Depositor
Resolution (Å)	9.94 - 1.80	Depositor
Resolution (A)	27.60 - 1.80	EDS
% Data completeness	99.3 (9.94-1.80)	Depositor
(in resolution range)	99.3 (27.60-1.80)	EDS
$R_{merge}$	(Not available)	Depositor
$R_{sym}$	0.06	Depositor
$< I/\sigma(I) > 1$	3.37  (at  1.80Å)	Xtriage
Refinement program	CNS 1.1	Depositor
P.P.	0.245 , $0.245$	Depositor
$R, R_{free}$	0.245 , $0.243$	DCC
$R_{free}$ test set	1544 reflections $(5.82\%)$	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	36.2	Xtriage
Anisotropy	0.099	Xtriage
Bulk solvent $k_{sol}(e/Å^3)$ , $B_{sol}(Å^2)$	0.37, 48.8	EDS
L-test for twinning <sup>2</sup>	$ < L > = 0.50, < L^2> = 0.34$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
$F_o, F_c$ correlation	0.95	EDS
Total number of atoms	1179	wwPDB-VP
Average B, all atoms $(Å^2)$	41.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: The largest off-origin peak in the Patterson function is 13.75% of the height of the origin peak. No significant pseudotranslation is detected.

<sup>&</sup>lt;sup>2</sup>Theoretical values of <|L|>,  $<L^2>$  for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.



<sup>&</sup>lt;sup>1</sup>Intensities estimated from amplitudes.

## 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: CL, K, 5BU, LIV

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		
MIOI	Chain	RMSZ	# Z  > 5	RMSZ	# Z  > 5	
1	A	0.41	0/525	0.69	0/817	
1	В	0.39	0/525	0.68	0/817	
All	All	0.40	0/1050	0.69	0/1634	

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	A	490	0	250	1	0
1	В	490	0	250	2	0
2	A	52	0	55	7	0
2	В	52	0	55	4	0
3	A	2	0	0	0	0
3	В	2	0	0	0	0
4	В	1	0	0	0	0
5	A	44	0	0	3	0
5	В	46	0	0	0	0
All	All	1179	0	610	13	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 8.

All (13) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic	Clash
Atom-1	Atom-2	${ m distance}({ m \AA})$	overlap (Å)
2:A:1001:LIV:O44	2:A:1001:LIV:C15	1.67	1.42
2:B:2001:LIV:C15	2:B:2001:LIV:O44	1.68	1.41
2:B:2001:LIV:O44	2:B:2001:LIV:C25	2.34	0.75
2:A:1001:LIV:O44	2:A:1001:LIV:C25	2.38	0.72
2:A:1001:LIV:C15	2:A:1001:LIV:C44	2.68	0.70
2:A:1001:LIV:C64	5:A:1033:HOH:O	2.40	0.68
2:B:2001:LIV:C15	2:B:2001:LIV:C44	2.76	0.63
2:A:1001:LIV:H12A	5:A:1033:HOH:O	2.01	0.59
2:A:1001:LIV:H11A	5:A:1033:HOH:O	2.03	0.57
1:B:5:C:O2'	1:B:6:U:H5'	2.12	0.50
2:A:1001:LIV:O23	2:A:1001:LIV:H14	2.14	0.47
1:B:14:A:OP2	2:B:2001:LIV:H34	2.14	0.47
1:A:1:C:H2'	1:A:2:U:C6	2.54	0.43

There are no symmetry-related clashes.

#### 5.3 Torsion angles (i)

#### 5.3.1 Protein backbone (i)

There are no protein molecules in this entry.

#### 5.3.2 Protein sidechains (i)

There are no protein molecules in this entry.

#### 5.3.3 RNA (i)

Mol	Chain	Analysed	Backbone Outliers	Pucker Outliers
1	A	$22/23 \ (95\%)$	0	0
1	В	22/23 (95%)	1 (4%)	0
All	All	44/46 (95%)	1 (2%)	0

All (1) RNA backbone outliers are listed below:



Mol	Chain	Res	Type
1	В	21	A

There are no RNA pucker outliers to report.

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

2 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	Dec	Link	Bond lengths			Bond angles		
MIOI	туре	Chain	nes	Lilik	Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z >2
1	5BU	В	3	1,3	19,22,23	0.50	0	28,32,35	0.61	0
1	5BU	A	3	1,3	19,22,23	0.55	0	28,32,35	0.48	0

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
1	5BU	В	3	1,3	-	0/7/25/26	0/2/2/2
1	5BU	A	3	1,3	-	0/7/25/26	0/2/2/2

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 (i)

There are no monosaccharides in this entry.



### 5.6 Ligand geometry (i)

Of 7 ligands modelled in this entry, 5 are monoatomic - leaving 2 for Mogul analysis.

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		
MIOI	туре	Chain	nes	LIIIK	Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
2	LIV	A	1001	-	56,56,56	2.34	14 (25%)	76,83,83	1.91	15 (19%)
2	LIV	В	2001	-	56,56,56	2.29	13 (23%)	76,83,83	1.77	13 (17%)

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.

$\mathbf{Mol}$	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	LIV	A	1001	-	-	8/24/116/116	0/5/5/5
2	LIV	В	2001	-	-	7/24/116/116	0/5/5/5

All (27) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(A)	Ideal(A)
2	В	2001	LIV	O44-C15	9.38	1.68	1.41
2	A	1001	LIV	O44-C15	9.13	1.67	1.41
2	A	1001	LIV	C34-C24	7.50	1.63	1.53
2	В	2001	LIV	C34-C24	6.76	1.62	1.53
2	A	1001	LIV	C14-C24	5.16	1.62	1.52
2	A	1001	LIV	O54-C14	5.14	1.54	1.41
2	В	2001	LIV	O54-C14	4.94	1.54	1.41
2	В	2001	LIV	C14-C24	4.13	1.60	1.52
2	В	2001	LIV	C64-C54	3.96	1.57	1.52
2	A	1001	LIV	C64-C54	3.76	1.57	1.52
2	В	2001	LIV	C34-C44	3.65	1.62	1.52
2	A	1001	LIV	C22-C12	3.34	1.61	1.53
2	В	2001	LIV	C22-C32	3.24	1.60	1.53
2	A	1001	LIV	C34-C44	3.14	1.60	1.52
2	A	1001	LIV	C31-C41	3.09	1.58	1.52

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Mol	Chain	Res	Type	Atoms	$\mathbf{Z}$	Observed(A)	$\operatorname{Ideal}( ext{\AA})$
2	В	2001	LIV	O55-C15	3.08	1.49	1.41
2	A	1001	LIV	C22-C32	2.95	1.60	1.53
2	A	1001	LIV	C62-C12	2.81	1.59	1.53
2	В	2001	LIV	C22-C12	2.71	1.59	1.53
2	В	2001	LIV	C11-C21	2.67	1.57	1.52
2	A	1001	LIV	C41-C51	2.66	1.56	1.52
2	A	1001	LIV	O55-C15	2.60	1.48	1.41
2	В	2001	LIV	C62-C12	2.36	1.58	1.53
2	В	2001	LIV	C31-C41	2.33	1.56	1.52
2	В	2001	LIV	C41-C51	2.19	1.56	1.52
2	A	1001	LIV	C11-C21	2.15	1.56	1.52
2	A	1001	LIV	C62-C52	2.01	1.57	1.52

All (28) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	$Observed(^o)$	$\operatorname{Ideal}(^{o})$
2	A	1001	LIV	O54-C54-C44	7.49	125.53	109.75
2	A	1001	LIV	O23-C23-C13	-7.25	91.55	111.83
2	В	2001	LIV	O54-C54-C44	7.07	124.66	109.75
2	В	2001	LIV	O44-C15-C25	-5.86	92.91	108.10
2	A	1001	LIV	O44-C15-C25	-4.72	95.86	108.10
2	В	2001	LIV	C65-C55-C45	3.83	121.97	113.00
2	В	2001	LIV	O44-C15-O55	3.79	121.26	110.67
2	A	1001	LIV	C15-O55-C55	3.68	120.90	113.69
2	В	2001	LIV	C15-O55-C55	3.66	120.87	113.69
2	В	2001	LIV	C15-C25-C35	3.57	117.43	110.00
2	A	1001	LIV	C65-C55-C45	3.47	121.13	113.00
2	A	1001	LIV	O44-C15-O55	3.39	120.14	110.67
2	A	1001	LIV	O52-C13-O43	3.26	114.96	111.43
2	A	1001	LIV	C13-O52-C52	3.16	125.80	117.96
2	В	2001	LIV	C23-C33-C43	3.07	108.67	103.22
2	В	2001	LIV	C45-C35-C25	3.02	116.09	110.82
2	В	2001	LIV	O55-C55-C45	2.79	114.76	109.69
2	A	1001	LIV	O55-C55-C45	2.75	114.68	109.69
2	A	1001	LIV	C15-C25-C35	2.63	115.48	110.00
2	В	2001	LIV	C15-O44-C44	2.47	124.07	117.96
2	A	1001	LIV	C11-O11-C42	2.45	124.02	117.96
2	В	2001	LIV	C34-C44-C54	-2.30	105.64	110.93
2	A	1001	LIV	C34-C44-C54	-2.26	105.75	110.93
2	В	2001	LIV	C11-O11-C42	2.19	123.39	117.96
2	В	2001	LIV	C34-C24-N24	2.18	115.51	111.05
2	A	1001	LIV	O52-C52-C62	2.07	112.80	107.28

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Mol	Chain	Res	Type	Atoms	$\mathbf{Z}$	$Observed(^o)$	$\operatorname{Ideal}({}^{o})$
2	A	1001	LIV	O23-C23-C33	2.04	116.97	111.17
2	A	1001	LIV	O45-C45-C35	-2.00	105.72	110.35

There are no chirality outliers.

All (15) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
2	В	2001	LIV	O54-C54-C64-N64
2	A	1001	LIV	O55-C55-C65-O65
2	В	2001	LIV	O55-C55-C65-O65
2	A	1001	LIV	C44-C54-C64-N64
2	A	1001	LIV	O54-C14-O33-C33
2	A	1001	LIV	C42-C52-O52-C13
2	A	1001	LIV	C62-C52-O52-C13
2	A	1001	LIV	C52-C42-O11-C11
2	В	2001	LIV	C52-C42-O11-C11
2	В	2001	LIV	C25-C15-O44-C44
2	A	1001	LIV	C45-C55-C65-O65
2	В	2001	LIV	C42-C52-O52-C13
2	В	2001	LIV	C62-C52-O52-C13
2	A	1001	LIV	C54-C44-O44-C15
2	В	2001	LIV	O55-C15-O44-C44

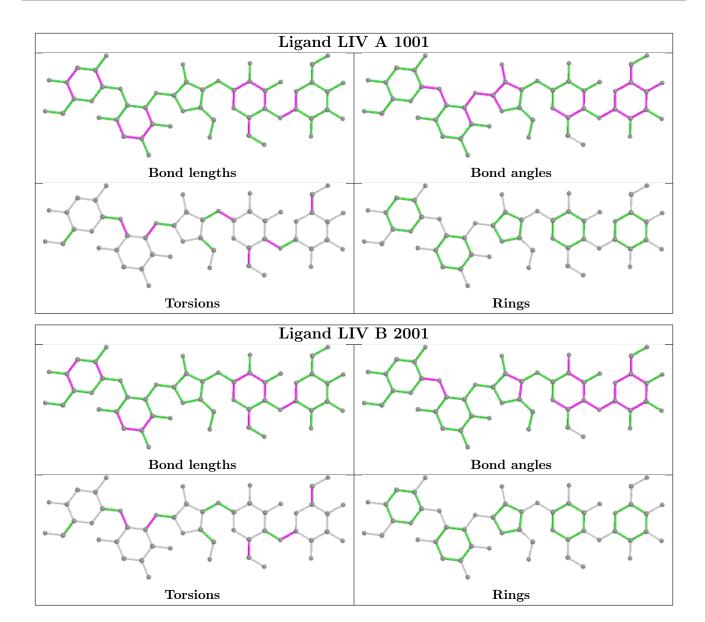
There are no ring outliers.

2 monomers are involved in 11 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	A	1001	LIV	7	0
2	В	2001	LIV	4	0

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





### 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,  $95^{th}$  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			Z>2	$OWAB(A^2)$	Q<0.9	
1	A	$22/23 \ (95\%)$	-0.38	0	100	100	32, 38, 41, 42	0
1	В	$22/23 \ (95\%)$	-0.28	0	100	100	30, 38, 59, 59	0
All	All	44/46 (95%)	-0.33	0	100	100	30, 38, 57, 59	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,  $95^{th}$  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	$\mathbf{B} ext{-}\mathbf{factors}(\mathbf{\mathring{A}}^2)$	Q < 0.9
1	5BU	A	3	21/22	0.95	0.09	35,39,42,44	1
1	5BU	В	3	21/22	0.96	0.09	34,38,42,45	1

### 6.3 Carbohydrates (i)

There are no monosaccharides in this entry.

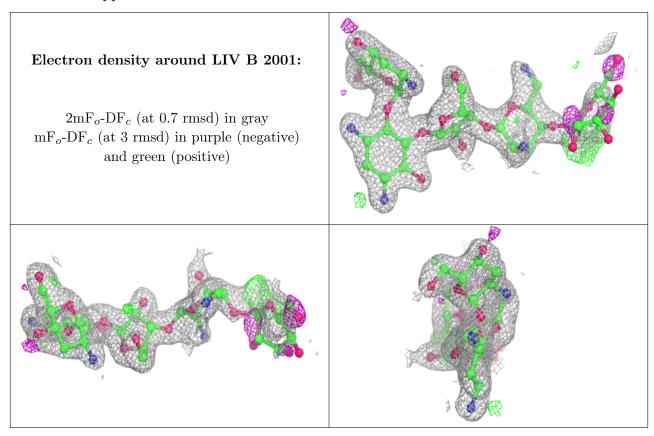
#### 6.4 Ligands (i)

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,  $95^{th}$  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.

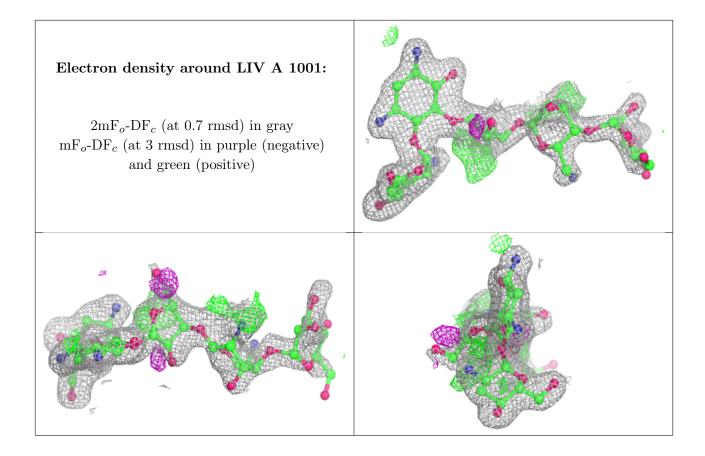


Mol	Type	Chain	Res	Atoms	RSCC	RSR	$\mathbf{B} ext{-}\mathbf{factors}(\mathbf{\mathring{A}}^2)$	Q < 0.9
3	K	В	90	1/1	0.73	0.22	76,76,76,76	1
2	LIV	В	2001	52/52	0.88	0.18	23,42,75,79	0
2	LIV	A	1001	52/52	0.88	0.19	25,50,70,71	0
3	K	В	2002	1/1	0.90	0.12	55,55,55,55	0
3	K	A	1002	1/1	0.94	0.06	55,55,55,55	0
3	K	A	44	1/1	0.94	0.31	46,46,46,46	1
4	CL	В	66	1/1	0.97	0.08	55,55,55,55	1

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.







### 6.5 Other polymers (i)

There are no such residues in this entry.

