Full wwPDB X-ray Structure Validation Report ⓘ

Sep 30, 2025 – 02:20 PM JST

PDB ID	:	9KRY / pdb_00009kry
Title	:	Crystal structure Of MerTK kinase domain in complex With compound 1
Authors	:	Peng, Y.H.; Lee, L.C.; Hsueh, C.C.; Wu, S.Y.
Deposited on	:	2024-11-29
Resolution	:	2.25 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:

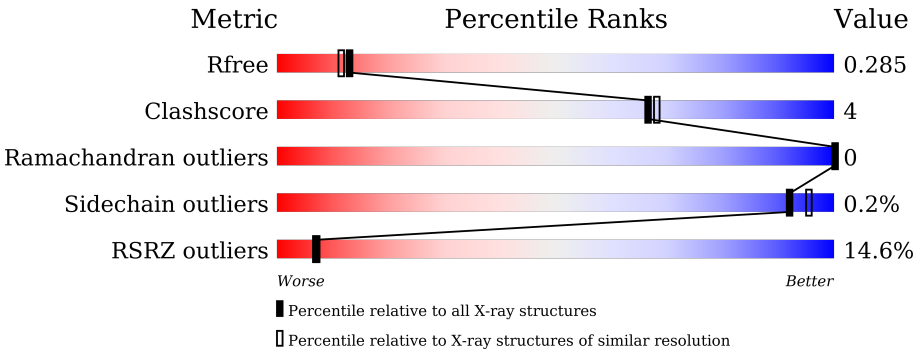
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	1.8.5 (274361), CSD as541be (2020)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.46

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 2.25 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}	164625	1763 (2.26-2.26)
Clashscore	180529	1919 (2.26-2.26)
Ramachandran outliers	177936	1884 (2.26-2.26)
Sidechain outliers	177891	1885 (2.26-2.26)
RSRZ outliers	164620	1763 (2.26-2.26)

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 <=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	294	14% 77% 8% 15%
1	B	294	11% 77% 9% 14%

2 Entry composition

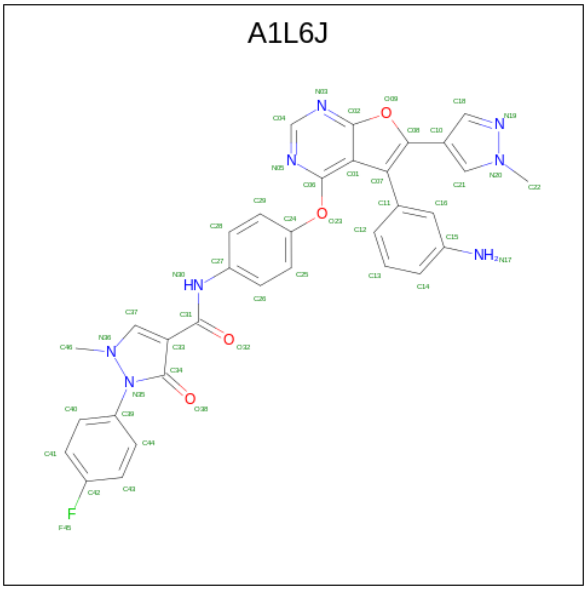
There are 3 unique types of molecules in this entry. The entry contains 4097 atoms, of which 0 are hydrogens and 0 are deuteriums.

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 protein called Tyrosine-protein kinase Mer.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	249	Total	C	N	O	S	0	0	0
			1935	1242	321	353	19			
1	B	252	Total	C	N	O	S	0	0	0
			1964	1259	326	360	19			

- Molecule 2 is {N}-[4-[5-(3-aminophenyl)-6-(1-methylpyrazol-4-yl)furo[2,3-d]pyrimidin-4-yl]oxyphenyl]-2-(4-fluorophenyl)-1-methyl-3-oxidanylidene-pyrazole-4-carboxamide (CCD ID: A1L6J) (formula: $C_{33}H_{25}FN_8O_4$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	A	1	Total	C	F	N	O	0	0
			46	33	1	8	4		
2	B	1	Total	C	F	N	O	0	0
			46	33	1	8	4		

- Molecule 3 is water.

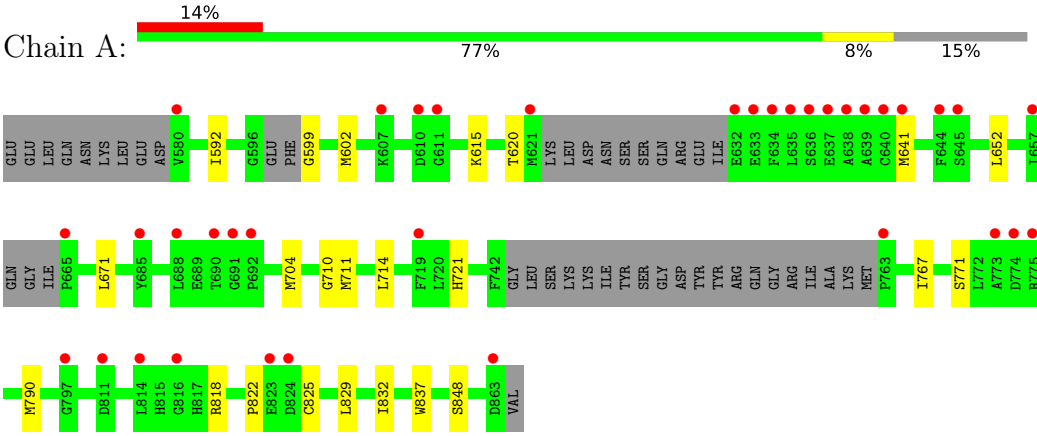
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	A	47	Total O 47 47	0	0
3	B	59	Total O 59 59	0	0

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.

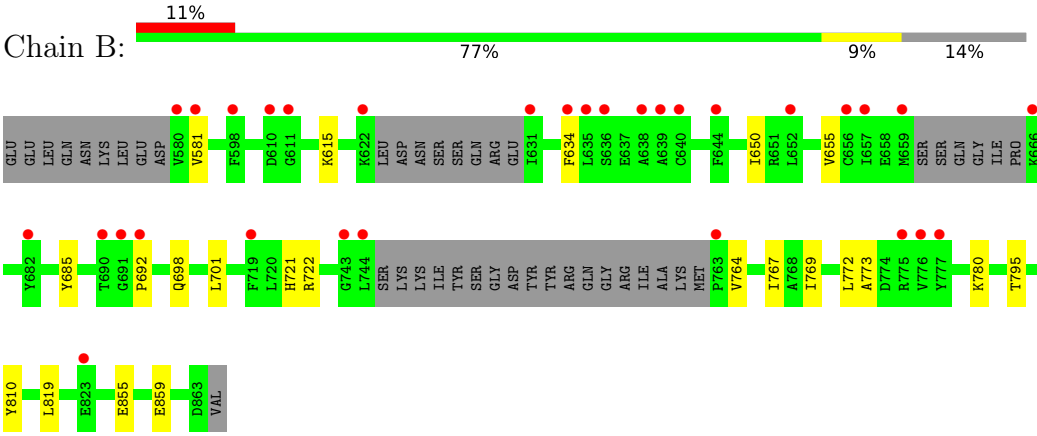
• Molecule 1: Tyrosine-protein kinase Mer

Chain A:



• Molecule 1: Tyrosine-protein kinase Mer

Chain B:



4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α, β, γ	50.99Å 91.28Å 69.23Å 90.00° 100.77° 90.00°	Depositor
Resolution (Å)	29.31 – 2.25 29.31 – 2.25	Depositor EDS
% Data completeness (in resolution range)	98.5 (29.31-2.25) 98.5 (29.31-2.25)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$< I/\sigma(I) >$ [1]	2.22 (at 2.24Å)	Xtriage
Refinement program	PHENIX (1.20.1_4487: ???)	Depositor
R, R_{free}	0.240 , 0.284 0.240 , 0.285	Depositor DCC
R_{free} test set	1466 reflections (4.94%)	wwPDB-VP
Wilson B-factor (Å^2)	40.8	Xtriage
Anisotropy	0.705	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.35 , 51.0	EDS
L-test for twinning[2]	$< \|L\| > = 0.49$, $< L^2 > = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.93	EDS
Total number of atoms	4097	wwPDB-VP
Average B, all atoms (Å^2)	52.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 17.61% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] 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.

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: A1L6J

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	0.13	0/1975	0.48	0/2676
1	B	0.14	0/2005	0.49	0/2719
All	All	0.13	0/3980	0.49	0/5395

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

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	1935	0	1884	13	0
1	B	1964	0	1910	16	0
2	A	46	0	0	0	0
2	B	46	0	0	0	0
3	A	47	0	0	0	0
3	B	59	0	0	0	0
All	All	4097	0	3794	28	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 4.

All (28) 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:A:641:MET:HE2	1:A:652:LEU:HB2	1.57	0.85
1:B:795:THR:HB	1:B:798:MET:HB2	1.81	0.62
1:B:769:ILE:HA	1:B:772:LEU:HD12	1.87	0.56
1:B:721:HIS:C	1:B:722:ARG:HG3	2.31	0.55
1:A:592:ILE:HD13	1:A:602:MET:HG2	1.88	0.54
1:B:685:TYR:HB3	1:B:692:PRO:HD2	1.89	0.53
1:A:641:MET:HE1	1:A:671:LEU:HD11	1.89	0.52
1:A:704:MET:HE1	1:A:829:LEU:HD21	1.93	0.50
1:A:790:MET:HE1	1:A:832:ILE:HG22	1.95	0.47
1:A:848:SER:HB2	1:B:615:LYS:HD3	1.97	0.47
1:B:634:PHE:HZ	1:B:655:VAL:HG11	1.81	0.46
1:A:767:ILE:HG23	1:A:771:SER:HB2	1.98	0.45
1:B:780:LYS:HA	1:B:780:LYS:HD3	1.74	0.45
1:B:674:MET:HE3	1:B:674:MET:HB2	1.78	0.44
1:A:599:GLY:HA3	1:A:620:THR:O	2.18	0.44
1:B:855:GLU:O	1:B:859:GLU:HG2	2.18	0.43
1:A:822:PRO:HB2	1:A:825:CYS:HB2	2.01	0.43
1:A:615:LYS:HA	1:A:615:LYS:HD3	1.77	0.43
1:A:711:MET:HE1	1:A:721:HIS:HB2	2.02	0.42
1:A:818:ARG:HD2	1:A:837:TRP:HB3	2.01	0.42
1:B:801:TYR:CZ	1:B:819:LEU:HG	2.55	0.42
1:B:581:VAL:HA	1:B:655:VAL:O	2.20	0.42
1:A:710:GLY:O	1:A:714:LEU:HD12	2.20	0.41
1:B:698:GLN:H	1:B:698:GLN:CD	2.29	0.41
1:B:773:ALA:HB2	1:B:810:TYR:CE2	2.56	0.41
1:B:764:VAL:HA	1:B:767:ILE:HD12	2.03	0.41
1:B:650:ILE:HG12	1:B:671:LEU:HD23	2.04	0.40
1:B:767:ILE:HG22	1:B:772:LEU:HG	2.04	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	A	239/294 (81%)	239 (100%)	0	0	100	100
1	B	244/294 (83%)	244 (100%)	0	0	100	100
All	All	483/588 (82%)	483 (100%)	0	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	207/264 (78%)	207 (100%)	0	100	100
1	B	210/264 (80%)	209 (100%)	1 (0%)	86	91
All	All	417/528 (79%)	416 (100%)	1 (0%)	92	95

All (1) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	B	701	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (5) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	807	HIS
1	A	853	GLN
1	B	585	ASN
1	B	680	HIS
1	B	718	ASN

5.3.3 RNA (i)

There are no RNA molecules in this entry.

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

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

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	$\#\|Z\| > 2$
2	A1L6J	A	901	-	44,52,52	2.00	14 (31%)	57,76,76	1.95	15 (26%)
2	A1L6J	B	901	-	44,52,52	1.99	15 (34%)	57,76,76	1.93	14 (24%)

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	A1L6J	A	901	-	-	0/20/24/24	0/7/7/7
2	A1L6J	B	901	-	-	0/20/24/24	0/7/7/7

All (29) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	901	A1L6J	C34-N35	-5.17	1.30	1.40
2	A	901	A1L6J	C34-N35	-4.99	1.30	1.40
2	A	901	A1L6J	C31-N30	4.87	1.46	1.35
2	B	901	A1L6J	C31-N30	4.84	1.46	1.35
2	A	901	A1L6J	C10-C08	4.63	1.54	1.46
2	B	901	A1L6J	C10-C08	4.54	1.54	1.46

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	A	901	A1L6J	C21-N20	-4.08	1.31	1.35
2	B	901	A1L6J	C21-N20	-4.04	1.31	1.35
2	B	901	A1L6J	N35-N36	-3.44	1.34	1.41
2	A	901	A1L6J	C07-C01	3.43	1.48	1.42
2	A	901	A1L6J	N35-N36	-3.28	1.34	1.41
2	B	901	A1L6J	C07-C01	3.07	1.47	1.42
2	B	901	A1L6J	O23-C06	3.02	1.41	1.36
2	A	901	A1L6J	O23-C06	3.00	1.40	1.36
2	A	901	A1L6J	C07-C11	2.81	1.53	1.49
2	B	901	A1L6J	C07-C11	2.70	1.53	1.49
2	B	901	A1L6J	O32-C31	-2.55	1.18	1.23
2	A	901	A1L6J	O32-C31	-2.54	1.18	1.23
2	A	901	A1L6J	C27-N30	2.45	1.46	1.41
2	B	901	A1L6J	C27-N30	2.45	1.46	1.41
2	A	901	A1L6J	C39-N35	2.42	1.47	1.43
2	B	901	A1L6J	C37-C33	2.39	1.42	1.38
2	A	901	A1L6J	C37-C33	2.33	1.42	1.38
2	B	901	A1L6J	C15-N17	2.22	1.46	1.38
2	A	901	A1L6J	C15-N17	2.21	1.46	1.38
2	B	901	A1L6J	C39-N35	2.16	1.46	1.43
2	B	901	A1L6J	C33-C34	-2.08	1.40	1.46
2	B	901	A1L6J	O38-C34	-2.05	1.18	1.23
2	A	901	A1L6J	C33-C34	-2.02	1.41	1.46

All (29) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	A	901	A1L6J	C18-N19-N20	6.06	110.53	104.23
2	B	901	A1L6J	C18-N19-N20	5.99	110.46	104.23
2	A	901	A1L6J	N03-C04-N05	-4.54	121.58	128.68
2	A	901	A1L6J	C33-C34-N35	4.45	108.37	105.62
2	B	901	A1L6J	N03-C04-N05	-4.33	121.92	128.68
2	A	901	A1L6J	C22-N20-N19	4.07	125.29	120.50
2	B	901	A1L6J	C33-C34-N35	3.92	108.04	105.62
2	A	901	A1L6J	C39-N35-N36	3.88	128.42	120.70
2	B	901	A1L6J	C22-N20-N19	3.79	124.96	120.50
2	B	901	A1L6J	C39-N35-N36	3.76	128.18	120.70
2	B	901	A1L6J	C24-O23-C06	-3.54	111.17	118.16
2	B	901	A1L6J	C01-C02-N03	-3.22	119.63	124.89
2	B	901	A1L6J	C07-C01-C02	-3.16	105.02	107.54
2	A	901	A1L6J	C04-N03-C02	3.14	120.80	113.45
2	A	901	A1L6J	C07-C01-C02	-3.11	105.06	107.54

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	B	901	A1L6J	C04-N03-C02	3.05	120.59	113.45
2	A	901	A1L6J	C01-C02-N03	-3.02	119.97	124.89
2	A	901	A1L6J	C04-N05-C06	2.95	120.56	115.88
2	B	901	A1L6J	C04-N05-C06	2.81	120.33	115.88
2	A	901	A1L6J	C08-C07-C01	-2.79	104.85	109.16
2	A	901	A1L6J	C46-N36-N35	2.78	125.59	118.09
2	B	901	A1L6J	C46-N36-N35	2.68	125.32	118.09
2	B	901	A1L6J	C08-C07-C01	-2.64	105.09	109.16
2	A	901	A1L6J	C24-O23-C06	-2.52	113.19	118.16
2	B	901	A1L6J	O38-C34-N35	2.26	126.50	123.49
2	A	901	A1L6J	O38-C34-C33	-2.19	125.24	129.90
2	A	901	A1L6J	O38-C34-N35	2.18	126.39	123.49
2	B	901	A1L6J	O38-C34-C33	-2.08	125.46	129.90
2	A	901	A1L6J	C41-C42-C43	-2.06	120.09	122.83

There are no chirality outliers.

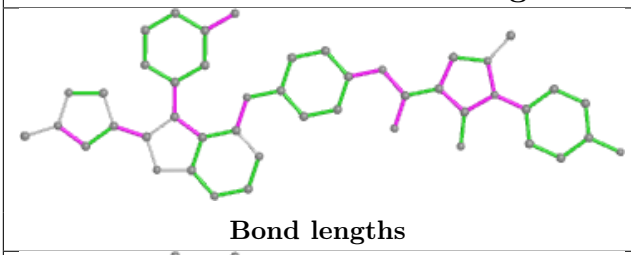
There are no torsion outliers.

There are no ring outliers.

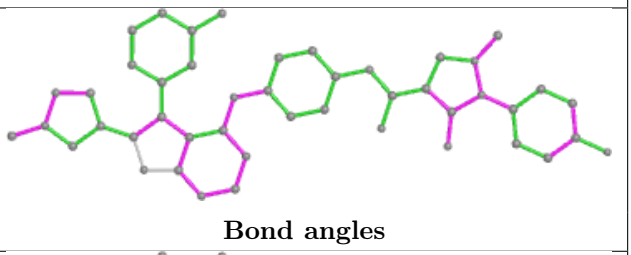
No monomer is involved in short contacts.

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.

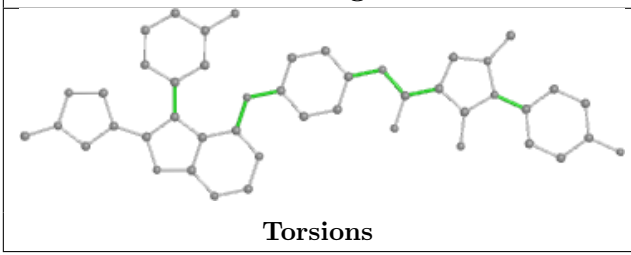
Ligand A1L6J A 901



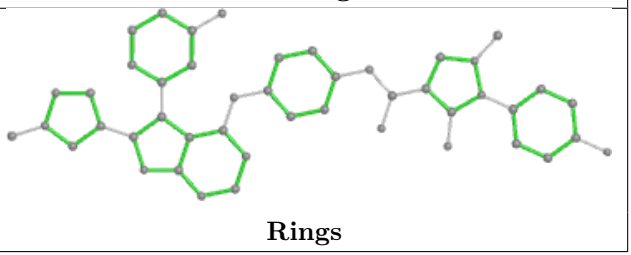
Bond lengths



Bond angles

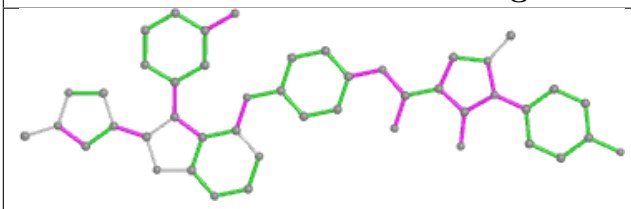


Torsions

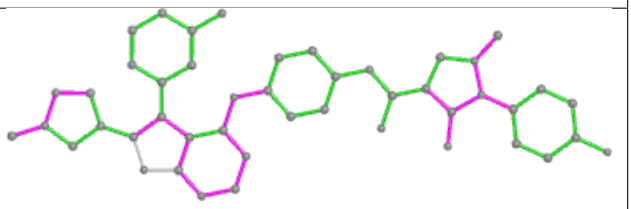


Rings

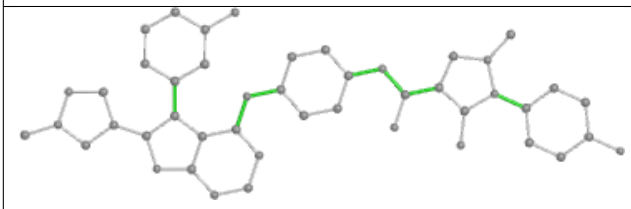
Ligand A1L6J B 901



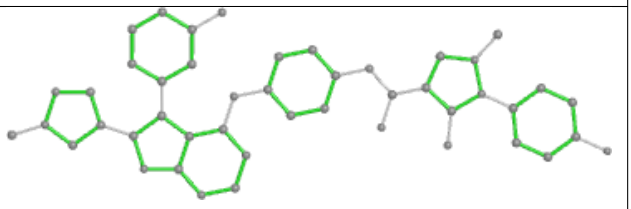
Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

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	<RSRZ>	#RSRZ>2			OWAB(Å^2)	Q<0.9
1	A	249/294 (84%)	1.01	42 (16%)	5	5	32, 50, 98, 174	0
1	B	252/294 (85%)	0.89	31 (12%)	9	9	32, 49, 85, 98	0
All	All	501/588 (85%)	0.95	73 (14%)	7	7	32, 49, 88, 174	0

All (73) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	773	ALA	4.4
1	A	637	GLU	4.0
1	B	744	LEU	4.0
1	A	640	CYS	3.8
1	A	774	ASP	3.6
1	A	777	TYR	3.5
1	A	660	SER	3.4
1	A	690	THR	3.3
1	A	659	MET	3.3
1	B	622	LYS	3.2
1	B	631	ILE	3.2
1	A	635	LEU	3.2
1	A	634	PHE	3.1
1	A	665	PRO	3.1
1	A	641	MET	3.0
1	A	639	ALA	3.0
1	B	652	LEU	2.9
1	A	621	MET	2.9
1	B	682	TYR	2.9
1	B	719	PHE	2.9
1	B	777	TYR	2.8
1	A	692	PRO	2.8
1	B	635	LEU	2.8
1	A	636	SER	2.8

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	A	632	GLU	2.8
1	A	611	GLY	2.8
1	B	823	GLU	2.7
1	B	691	GLY	2.7
1	B	639	ALA	2.7
1	A	811	ASP	2.6
1	B	598	PHE	2.6
1	B	775	ARG	2.6
1	B	690	THR	2.6
1	A	607	LYS	2.6
1	A	661	SER	2.5
1	A	816	GLY	2.5
1	B	644	PHE	2.5
1	B	580	VAL	2.5
1	A	644	PHE	2.4
1	A	610	ASP	2.4
1	A	633	GLU	2.4
1	A	638	ALA	2.4
1	A	580	VAL	2.4
1	B	634	PHE	2.4
1	A	691	GLY	2.4
1	B	763	PRO	2.3
1	A	824	ASP	2.3
1	A	863	ASP	2.3
1	B	666	LYS	2.3
1	B	776	VAL	2.3
1	B	636	SER	2.3
1	A	763	PRO	2.2
1	B	692	PRO	2.2
1	A	776	VAL	2.2
1	B	657	ILE	2.2
1	A	775	ARG	2.2
1	A	719	PHE	2.2
1	B	659	MET	2.2
1	B	743	GLY	2.2
1	B	581	VAL	2.2
1	A	657	ILE	2.1
1	B	656	CYS	2.1
1	B	638	ALA	2.1
1	A	685	TYR	2.1
1	B	610	ASP	2.1
1	B	611	GLY	2.1

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	RSRZ
1	B	640	CYS	2.1
1	A	823	GLU	2.0
1	A	814	LEU	2.0
1	A	797	GLY	2.0
1	A	645	SER	2.0
1	A	779	SER	2.0
1	A	688	LEU	2.0

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

There are no non-standard protein/DNA/RNA residues in this entry.

6.3 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.4 Ligands (i)

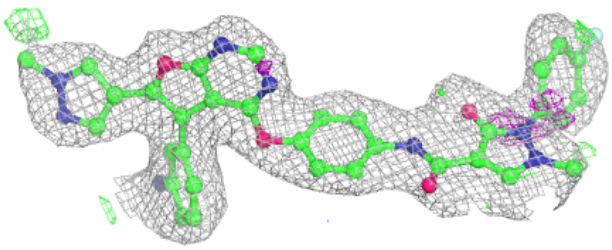
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95^{th} percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9'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

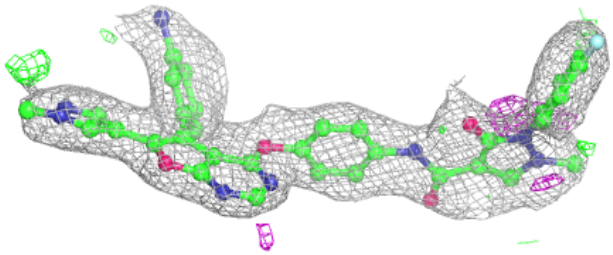
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
2	A1L6J	A	901	46/46	0.87	0.13	32,46,68,84	0
2	A1L6J	B	901	46/46	0.87	0.13	39,52,62,84	0

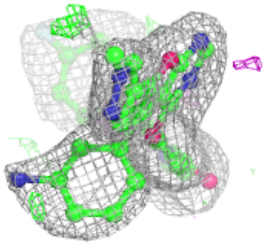
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation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

Electron density around A1L6J A 901:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

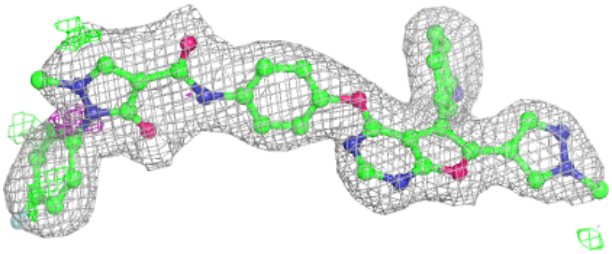


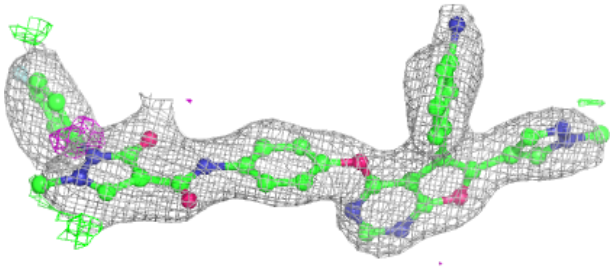


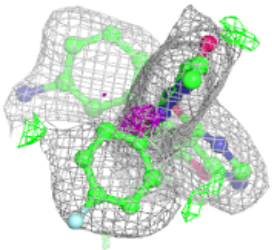


Electron density around A1L6J B 901:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)







6.5 Other polymers (i)

There are no such residues in this entry.