



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 14, 2026 – 05:42 PM UTC

PDB ID : 6N77 / pdb_00006n77
Title : Structure of the human JAK1 kinase domain with compound 15
Authors : Lupardus, P.J.; Brown, D.
Deposited on : 2018-11-27
Resolution : 1.64 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	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
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

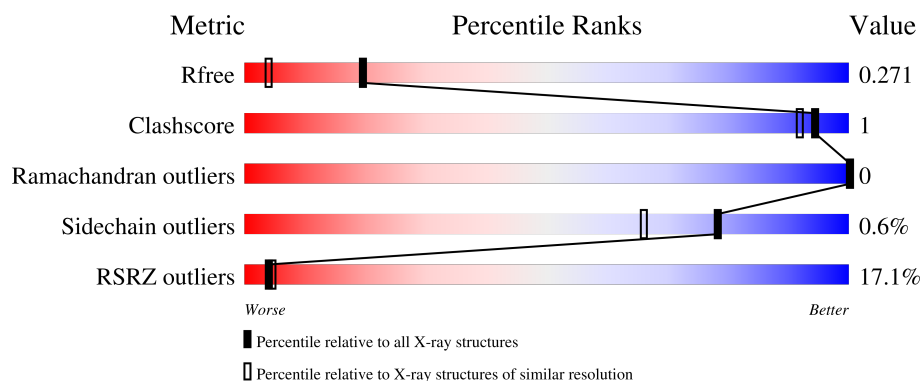
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.64 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	1141 (1.64-1.64)
Clashscore	190562	1171 (1.64-1.64)
Ramachandran outliers	187476	1151 (1.64-1.64)
Sidechain outliers	187428	1150 (1.64-1.64)
RSRZ outliers	180081	1141 (1.64-1.64)

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	302	15% 88% 5% 7%
1	B	302	17% 88% 5% 8%

2 Entry composition [i](#)

There are 4 unique types of molecules in this entry. The entry contains 5016 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.

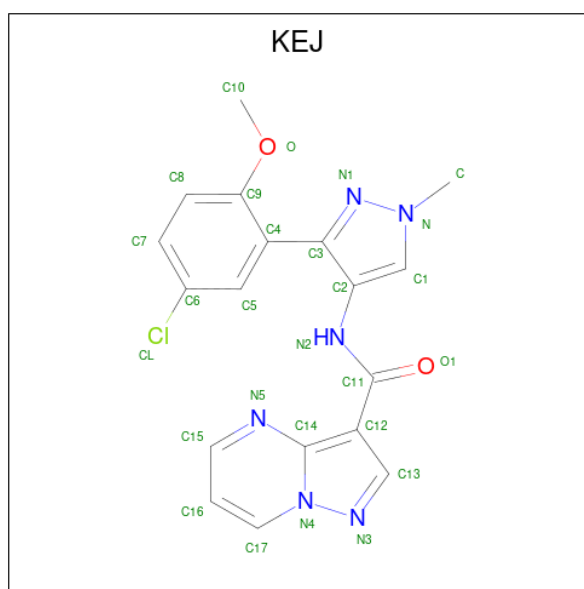
- Molecule 1 is a protein called Tyrosine-protein kinase JAK1.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
1	A	280	Total	C	N	O	P	S	6	4	0
			2288	1462	388	421	2	15			
1	B	279	Total	C	N	O	P	S	0	2	0
			2271	1451	383	420	2	15			

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	853	GLY	-	expression tag	UNP P23458
B	853	GLY	-	expression tag	UNP P23458

- Molecule 2 is N-[3-(5-chloro-2-methoxyphenyl)-1-methyl-1H-pyrazol-4-yl]pyrazolo[1,5-a]pyrimidine-3-carboxamide (CCD ID: KEJ) (formula: C₁₈H₁₅ClN₆O₂).



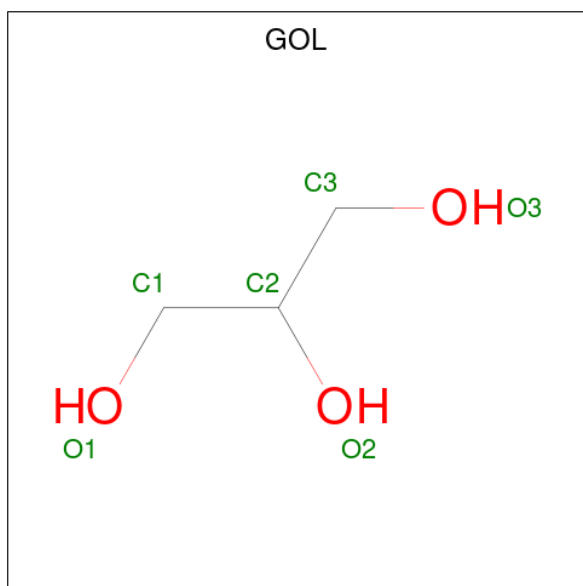
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	A	1	Total	C	Cl	N	O	0	0
			27	18	1	6	2		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	B	1	Total	C	Cl	N	O	0	0
			27	18	1	6	2		

- Molecule 3 is GLYCEROL (CCD ID: GOL) (formula: $C_3H_8O_3$).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
3	B	1	Total	C	O	0	0
			6	3	3		

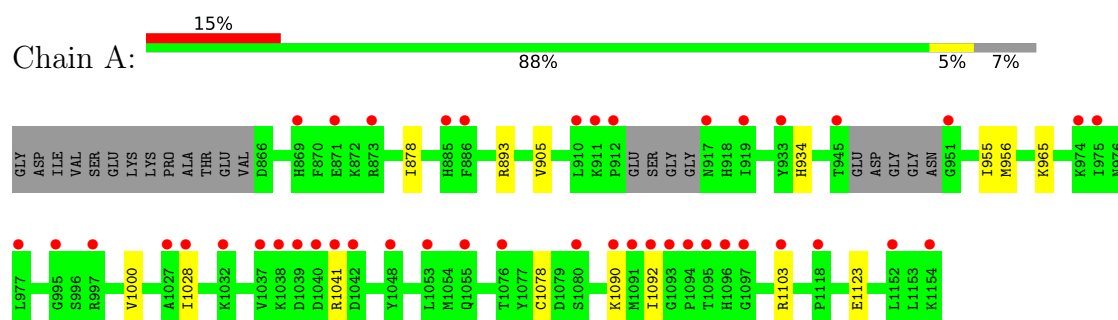
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	215	Total	O	0	0
			215	215		
4	B	182	Total	O	0	0
			182	182		

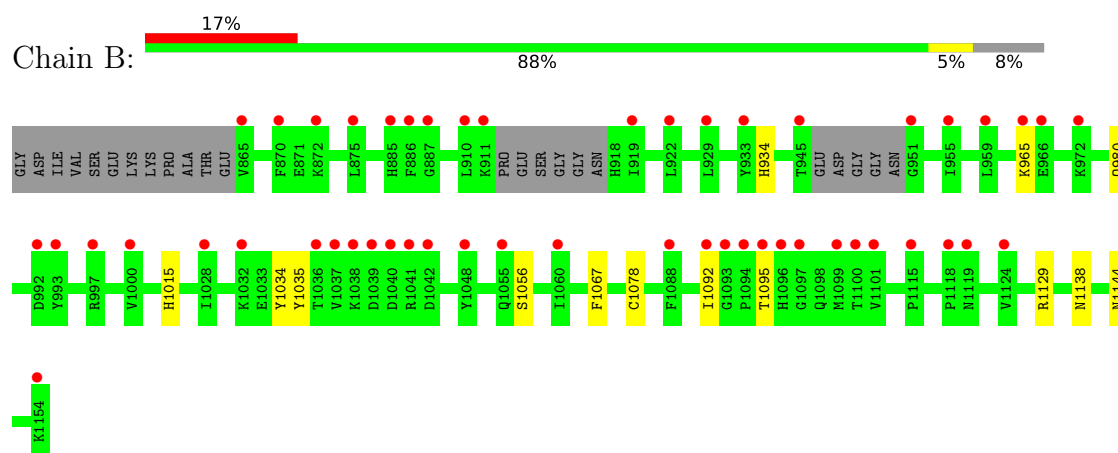
3 Residue-property plots [i](#)

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 JAK1



• Molecule 1: Tyrosine-protein kinase JAK1



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	43.12Å 175.54Å 45.68Å 90.00° 94.11° 90.00°	Depositor
Resolution (Å)	45.56 – 1.64 45.56 – 1.80	Depositor EDS
% Data completeness (in resolution range)	98.1 (45.56-1.64) 98.2 (45.56-1.80)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.48 (at 1.80Å)	Xtriage
Refinement program	BUSTER 2.11.7	Depositor
R, R_{free}	0.252 , 0.282 0.244 , 0.271	Depositor DCC
R_{free} test set	3117 reflections (5.09%)	wwPDB-VP
Wilson B-factor (Å ²)	18.5	Xtriage
Anisotropy	0.290	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.36 , 51.4	EDS
L-test for twinning ²	$\langle L \rangle = 0.50$, $\langle L^2 \rangle = 0.34$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.91	EDS
Total number of atoms	5016	wwPDB-VP
Average B, all atoms (Å ²)	23.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 7.65% 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

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: GOL, KEJ, PTR

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	0.94	1/2312 (0.0%)	1.14	3/3114 (0.1%)
1	B	0.94	4/2295 (0.2%)	1.16	3/3092 (0.1%)
All	All	0.94	5/4607 (0.1%)	1.15	6/6206 (0.1%)

All (5) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	B	934	HIS	ND1-CE1	5.55	1.38	1.32
1	A	934	HIS	ND1-CE1	5.49	1.38	1.32
1	B	1015	HIS	ND1-CE1	5.27	1.37	1.32
1	B	980	GLN	CD-OE1	5.10	1.33	1.23
1	B	1138	ASN	CG-OD1	5.08	1.33	1.23

All (6) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	1015	HIS	CB-CG-CD2	-7.55	121.39	131.20
1	B	934	HIS	CB-CG-CD2	-7.45	121.51	131.20
1	A	934	HIS	CB-CG-CD2	-7.43	121.54	131.20
1	B	1092	ILE	N-CA-C	5.16	116.08	111.90
1	A	1090	LYS	CA-C-N	5.05	127.47	120.29
1	A	1090	LYS	C-N-CA	5.05	127.47	120.29

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	2288	0	2284	9	0
1	B	2271	0	2253	4	0
2	A	27	0	0	0	0
2	B	27	0	0	0	0
3	B	6	0	8	1	0
4	A	215	0	0	1	0
4	B	182	0	0	1	0
All	All	5016	0	4545	12	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 1.

All (12) 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:1092:ILE:HB	1:A:1103:ARG:HG3	1.88	0.56
1:B:1067:PHE:HD1	4:B:1462:HOH:O	1.90	0.53
1:A:1041:ARG:HD3	1:B:1095:THR:HB	1.90	0.52
1:A:905[B]:VAL:HG22	1:A:956:MET:O	2.12	0.50
1:A:956:MET:HE3	4:A:1490:HOH:O	2.12	0.49
1:A:1000[B]:VAL:HG21	1:A:1028:ILE:HD11	1.96	0.47
1:A:1092:ILE:HB	1:A:1103:ARG:CG	2.44	0.47
1:B:1129:ARG:HH21	3:B:1201:GOL:C1	2.28	0.47
1:A:878:ILE:HD11	1:A:893:ARG:HB2	1.98	0.45
1:B:965:LYS:HD2	1:B:1078:CYS:HB3	2.01	0.43
1:A:965:LYS:HD2	1:A:1078:CYS:HB3	1.99	0.43
1:A:905[B]:VAL:HG21	1:A:955:ILE:HG22	2.01	0.42

There are no symmetry-related clashes.

5.3 Torsion angles

5.3.1 Protein backbone

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	276/302 (91%)	270 (98%)	6 (2%)	0	100	100
1	B	274/302 (91%)	269 (98%)	5 (2%)	0	100	100
All	All	550/604 (91%)	539 (98%)	11 (2%)	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	
1	A	251/267 (94%)	250 (100%)	1 (0%)	84	76
1	B	248/267 (93%)	246 (99%)	2 (1%)	73	58
All	All	499/534 (93%)	496 (99%)	3 (1%)	78	66

All (3) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	1123	GLU
1	B	1056	SER
1	B	1144	ASN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (3) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	1055	GLN
1	B	1098	GLN
1	B	1135	GLN

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

4 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	$\# Z > 2$
1	PTR	A	1035	1	15,16,17	0.57	0	17,22,24	0.75	0
1	PTR	B	1035	1	15,16,17	0.57	0	17,22,24	0.81	1 (5%)
1	PTR	A	1034	1	15,16,17	0.52	0	17,22,24	0.37	0
1	PTR	B	1034	1	15,16,17	0.53	0	17,22,24	0.78	1 (5%)

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	PTR	A	1035	1	-	0/10/11/13	0/1/1/1
1	PTR	B	1035	1	-	0/10/11/13	0/1/1/1
1	PTR	A	1034	1	-	0/10/11/13	0/1/1/1
1	PTR	B	1034	1	-	0/10/11/13	0/1/1/1

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	1035	PTR	O3P-P-OH	2.53	112.79	105.32
1	B	1034	PTR	O2P-P-OH	2.16	111.70	105.32

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 oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

3 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	GOL	B	1201	-	5,5,5	0.10	0	5,5,5	0.25	0
2	KEJ	A	1201	-	29,30,30	0.41	0	37,43,43	0.65	1 (2%)
2	KEJ	B	1202	-	29,30,30	0.42	0	37,43,43	0.54	1 (2%)

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
3	GOL	B	1201	-	-	3/4/4/4	-
2	KEJ	A	1201	-	-	0/14/14/14	0/4/4/4
2	KEJ	B	1202	-	-	0/14/14/14	0/4/4/4

There are no bond length outliers.

All (2) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	A	1201	KEJ	C1-C2-C3	-3.09	103.58	106.89
2	B	1202	KEJ	C1-C2-C3	-2.45	104.26	106.89

There are no chirality outliers.

All (3) torsion outliers are listed below:

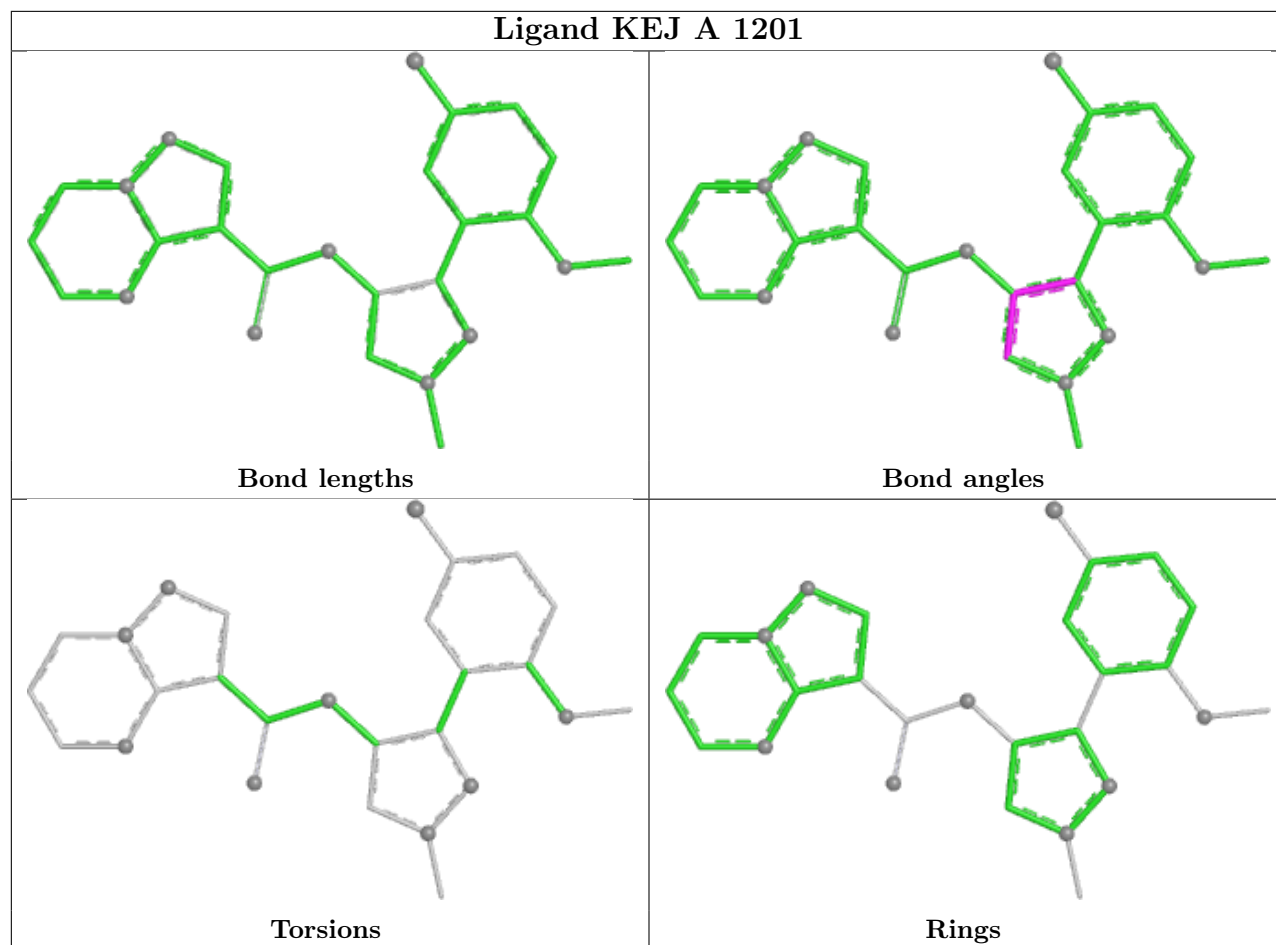
Mol	Chain	Res	Type	Atoms
3	B	1201	GOL	O1-C1-C2-C3
3	B	1201	GOL	C1-C2-C3-O3
3	B	1201	GOL	O1-C1-C2-O2

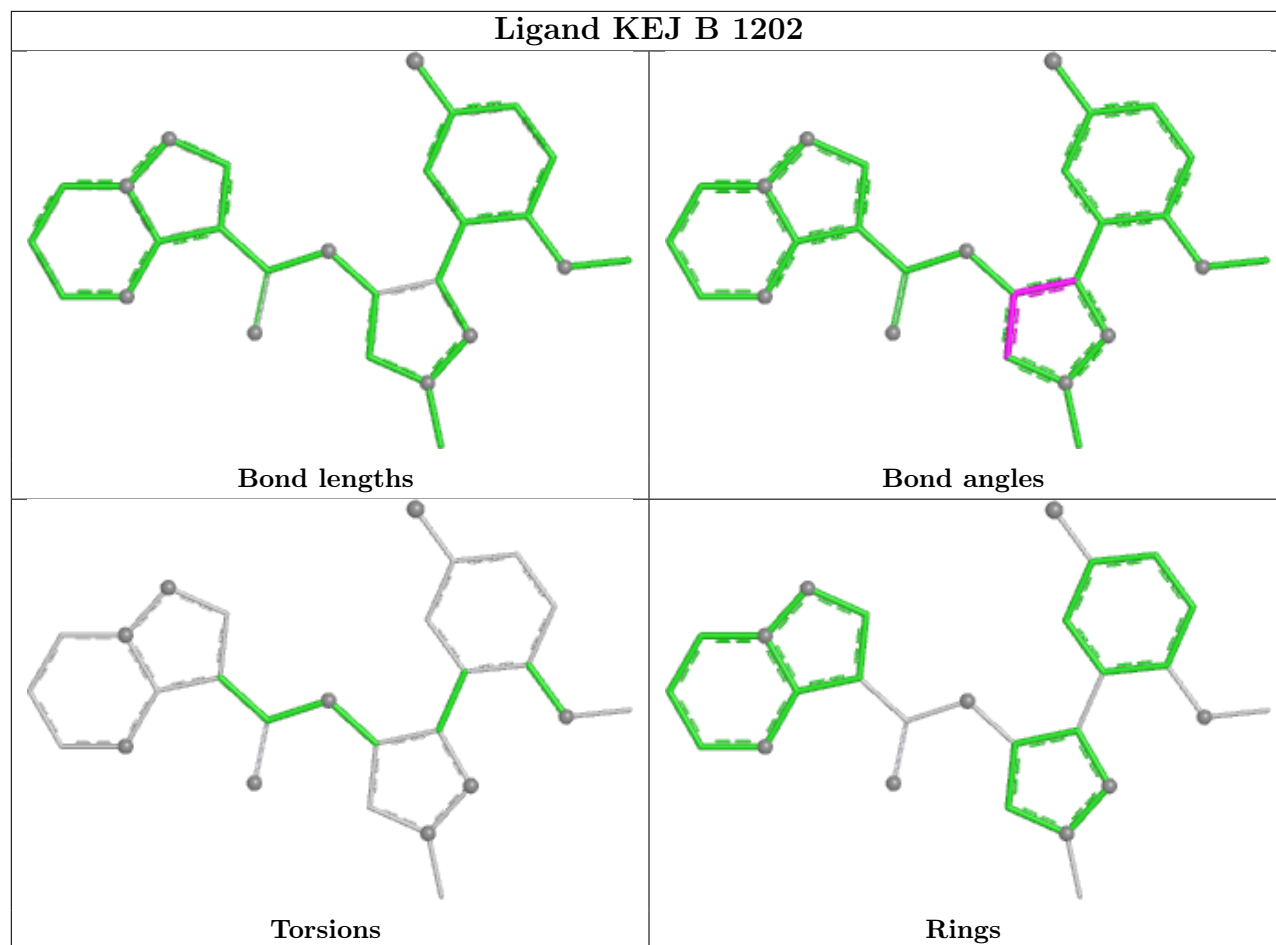
There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	B	1201	GOL	1	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 than 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 ⓘ

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, 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	277/302 (91%)	1.30	44 (15%)	5 5	8, 19, 41, 60	3 (1%)
1	B	277/302 (91%)	1.44	51 (18%)	3 4	6, 22, 40, 66	2 (0%)
All	All	554/604 (91%)	1.37	95 (17%)	4 4	6, 20, 41, 66	5 (0%)

All (95) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	1040	ASP	6.8
1	A	945	THR	6.4
1	A	1095	THR	6.2
1	B	1095	THR	6.2
1	A	912	PRO	5.7
1	A	933	TYR	5.7
1	B	945	THR	5.4
1	B	933[A]	TYR	5.2
1	B	1097	GLY	5.0
1	A	1094	PRO	4.6
1	B	1154	LYS	4.6
1	A	1040	ASP	4.5
1	B	1093	GLY	4.4
1	B	911	LYS	4.3
1	B	886	PHE	4.2
1	A	1096	HIS	4.0
1	A	917	ASN	3.9
1	B	1096	HIS	3.9
1	B	1094	PRO	3.8
1	A	1037	VAL	3.8
1	A	1097	GLY	3.7
1	B	1092	ILE	3.6
1	B	1041	ARG	3.6
1	B	919	ILE	3.5

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Mol	Chain	Res	Type	RSRZ
1	A	1092	ILE	3.4
1	A	911	LYS	3.4
1	B	1039	ASP	3.4
1	B	1038	LYS	3.3
1	A	1093	GLY	3.3
1	A	1103	ARG	3.2
1	B	951	GLY	3.1
1	B	887	GLY	3.0
1	B	1032	LYS	3.0
1	A	886	PHE	3.0
1	A	1055	GLN	3.0
1	A	919	ILE	3.0
1	A	1041	ARG	2.9
1	A	1042	ASP	2.9
1	A	1090	LYS	2.9
1	B	885	HIS	2.8
1	A	1154	LYS	2.8
1	A	951	GLY	2.8
1	B	959	LEU	2.8
1	A	1080	SER	2.8
1	B	966	GLU	2.7
1	A	1091	MET	2.7
1	A	885	HIS	2.6
1	B	1100	THR	2.6
1	A	977	LEU	2.6
1	B	997	ARG	2.6
1	A	1028	ILE	2.6
1	B	872	LYS	2.6
1	B	1055	GLN	2.5
1	A	869	HIS	2.5
1	B	955	ILE	2.5
1	B	1118	PRO	2.5
1	A	1038	LYS	2.5
1	B	1060	ILE	2.5
1	A	997	ARG	2.4
1	B	865	VAL	2.4
1	B	1000	VAL	2.4
1	B	1037	VAL	2.4
1	B	1124	VAL	2.4
1	B	1119	ASN	2.4
1	A	974	LYS	2.4
1	A	1152	LEU	2.4

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Mol	Chain	Res	Type	RSRZ
1	A	1039	ASP	2.4
1	A	1048	TYR	2.4
1	B	910	LEU	2.3
1	A	1032	LYS	2.3
1	B	972	LYS	2.3
1	B	1048	TYR	2.3
1	A	1118	PRO	2.3
1	B	1115	PRO	2.3
1	B	929	LEU	2.3
1	A	873	ARG	2.3
1	B	1101	VAL	2.3
1	A	1076	THR	2.2
1	A	1027	ALA	2.2
1	A	995	GLY	2.2
1	B	992	ASP	2.2
1	A	910	LEU	2.2
1	B	875	LEU	2.2
1	B	922	LEU	2.2
1	B	1036	THR	2.2
1	B	1042	ASP	2.2
1	A	871	GLU	2.2
1	A	975	ILE	2.2
1	A	1053	LEU	2.1
1	B	1028	ILE	2.1
1	B	965	LYS	2.1
1	B	993	TYR	2.1
1	B	1088	PHE	2.1
1	B	1099	MET	2.0
1	B	870	PHE	2.0

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

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	PTR	B	1035	16/17	0.74	0.19	20,30,41,42	0
1	PTR	A	1035	16/17	0.79	0.17	22,28,43,43	0
1	PTR	B	1034	16/17	0.80	0.15	21,27,39,40	0
1	PTR	A	1034	16/17	0.90	0.10	19,26,41,42	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

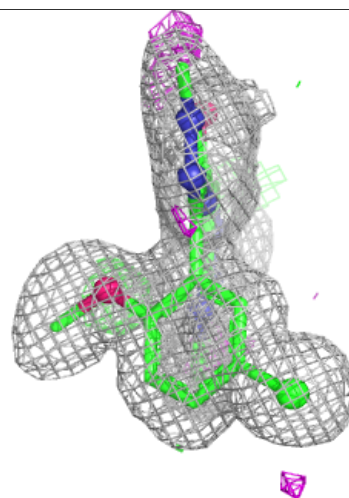
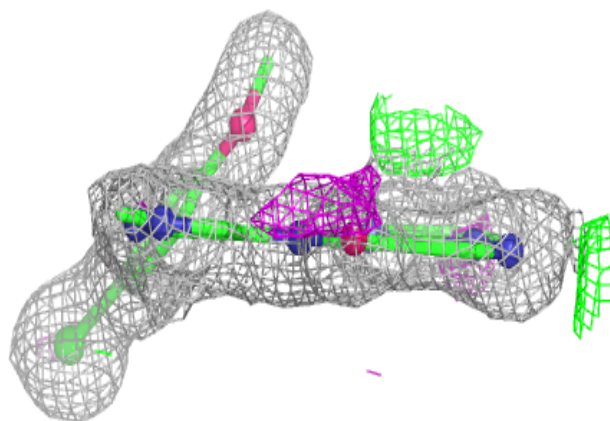
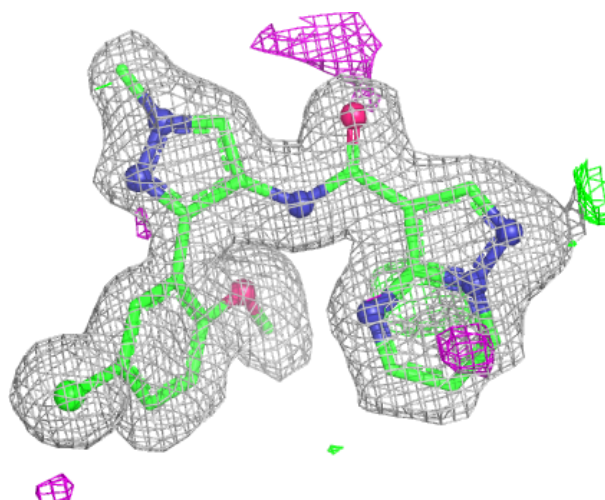
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists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

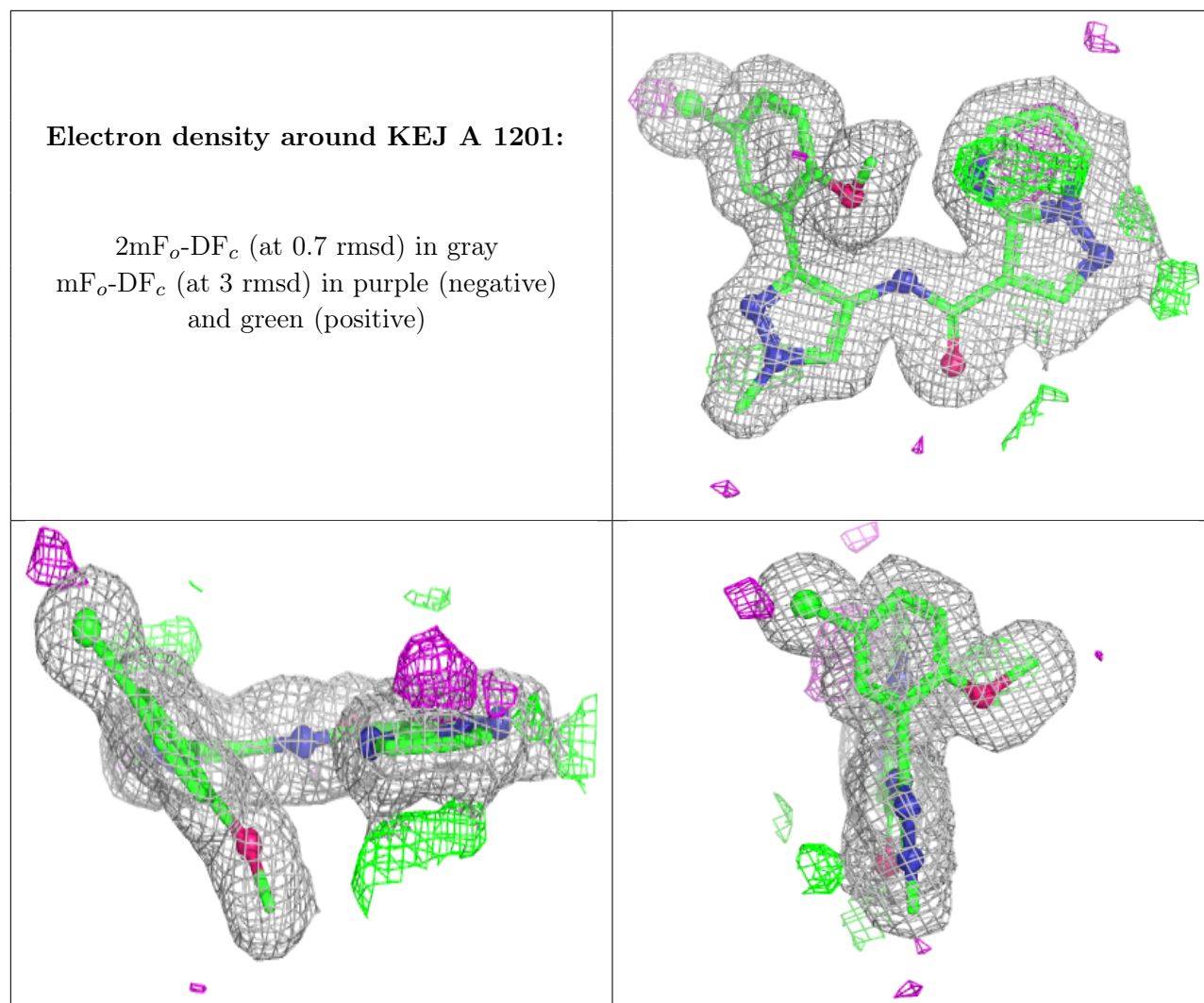
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
3	GOL	B	1201	6/6	0.81	0.20	36,41,42,42	0
2	KEJ	B	1202	27/27	0.93	0.09	13,17,22,23	0
2	KEJ	A	1201	27/27	0.95	0.07	11,12,16,17	0

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 KEJ B 1202:

$2mF_o-DF_c$ (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.