

checkCIF/PLATON report

You have not supplied any structure factors. As a result the full set of tests cannot be run.

THIS REPORT IS FOR GUIDANCE ONLY. IF USED AS PART OF A REVIEW PROCEDURE FOR PUBLICATION, IT SHOULD NOT REPLACE THE EXPERTISE OF AN EXPERIENCED CRYSTALLOGRAPHIC REFEREE.

No syntax errors found. CIF dictionary Interpreting this report

Datablock: 150520g

Bond precision: C-C = 0.0042 Å Wavelength=0.71073

Cell: a=15.8992(14) b=8.5824(8) c=23.758(2)
 alpha=90 beta=90 gamma=90

Temperature: 298 K

	Calculated	Reported
Volume	3241.9(5)	3241.8(5)
Space group	P b c a	Pbca
Hall group	-P 2ac 2ab	?
Moiety formula	C18 H16 N2 O3	?
Sum formula	C18 H16 N2 O3	C18 H16 N2 O3
Mr	308.33	308.33
Dx,g cm-3	1.263	1.263
Z	8	8
Mu (mm-1)	0.087	0.087
F000	1296.0	1296.0
F000'	1296.60	
h,k,lmax	18,10,28	18,10,28
Nref	2863	2861
Tmin,Tmax	0.972,0.980	0.963,0.980
Tmin'	0.963	

Correction method= # Reported T Limits: Tmin=0.963 Tmax=0.980
AbsCorr = MULTI-SCAN

Data completeness= 0.999 Theta(max)= 25.020

R(reflections)= 0.0516(1462) wR2(reflections)= 0.1146(2861)

S = 1.014 Npar= 210

The following ALERTS were generated. Each ALERT has the format

test-name_ALERT_alert-type_alert-level.

Click on the hyperlinks for more details of the test.



Alert level C

PLAT220_ALERT_2_C	NonSolvent	Resd 1	C	Ueq(max)/Ueq(min) Range	3.1	Ratio
PLAT230_ALERT_2_C	Hirshfeld Test Diff for	O3	--C17	.	6.0	s.u.
PLAT242_ALERT_2_C	Low	'MainMol'	Ueq as Compared to Neighbors of	C14	Check	
PLAT340_ALERT_3_C	Low Bond Precision on	C-C Bonds	0.00419	Ang.	
PLAT601_ALERT_2_C	Unit Cell Contains Solvent Accessible VOIDS of	.		35	Ang**3	



Alert level G

PLAT005_ALERT_5_G	No Embedded Refinement Details Found	in the CIF	Please Do !
PLAT007_ALERT_5_G	Number of Unrefined Donor-H Atoms	1 Report
PLAT066_ALERT_1_G	Predicted and Reported Tmin&Tmax Range	Identical	? Check
PLAT093_ALERT_1_G	No s.u.'s on H-positions, Refinement Reported as		mixed Check
PLAT899_ALERT_4_G	SHELXL97	is Deprecated and Succeeded by SHELXL/	2018 Note

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- 0 **ALERT level A** = Most likely a serious problem - resolve or explain
 0 **ALERT level B** = A potentially serious problem, consider carefully
 5 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
 5 **ALERT level G** = General information/check it is not something unexpected
- 2 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
 4 ALERT type 2 Indicator that the structure model may be wrong or deficient
 1 ALERT type 3 Indicator that the structure quality may be low
 1 ALERT type 4 Improvement, methodology, query or suggestion
 2 ALERT type 5 Informative message, check
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It is advisable to attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious problems it may be necessary to carry out additional measurements or structure refinements. However, the purpose of your study may justify the reported deviations and the more serious of these should normally be commented upon in the discussion or experimental section of a paper or in the "special_details" fields of the CIF. checkCIF was carefully designed to identify outliers and unusual parameters, but every test has its limitations and alerts that are not important in a particular case may appear. Conversely, the absence of alerts does not guarantee there are no aspects of the results needing attention. It is up to the individual to critically assess their own results and, if necessary, seek expert advice.

Publication of your CIF in IUCr journals

A basic structural check has been run on your CIF. These basic checks will be run on all CIFs submitted for publication in IUCr journals (*Acta Crystallographica*, *Journal of Applied Crystallography*, *Journal of Synchrotron Radiation*); however, if you intend to submit to *Acta Crystallographica Section C* or *E* or *IUCrData*, you should make sure that full publication checks are run on the final version of your CIF prior to submission.

Publication of your CIF in other journals

Please refer to the *Notes for Authors* of the relevant journal for any special instructions relating to CIF submission.

PLATON version of 16/07/2020; check.def file version of 12/07/2020

Datablock 150520g - ellipsoid plot

