

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 A**

THETM01_ALERT_3_A The value of $\sin(\theta_{\max})/\lambda$ is less than 0.550
Calculated $\sin(\theta_{\max})/\lambda = 0.4999$

Author Response: The small size and weak diffractive power of the crystal resulted in the low $\sin(\theta_{\max})/\lambda$ value.

 **Alert level B**

PLAT090_ALERT_3_B Poor Data / Parameter Ratio ($Z_{\max} > 18$) 4.03 Note

Author Response: The small size and weak diffractive power of the crystal resulted in the low amount of parameters.

PLAT341_ALERT_3_B Low Bond Precision on C-C Bonds 0.03208 Ang.

Author Response: The small size and weak diffractive power of the crystal resulted in the low resolution.

 **Alert level C**

RINTA01_ALERT_3_C The value of Rint is greater than 0.12
Rint given 0.164

Author Response: Due to the limited resolution, the decision of using as much reflections as possible was made, thus integrating more noise and resulting in a worse Rint.

PLAT020_ALERT_3_C The Value of Rint is Greater Than 0.12 0.164 Report

Author Response: Due to the limited resolution, the decision of using as much reflections as possible was made, thus integrating more noise and resulting in a worse Rint.

PLAT148_ALERT_3_C s.u. on the a - Axis is (Too) Large 0.030 Ang.

Author Response: Due to the limited resolution, the decision of using as much reflections as possible was made, thus integrating more noise and resulting in a worse s.u.

PLAT148_ALERT_3_C s.u. on the b - Axis is (Too) Large 0.0300 Ang.

Author Response: Due to the limited resolution, the decision of using as much reflections as possible was made, thus integrating more noise and resulting in a worse s.u.

PLAT148_ALERT_3_C s.u. on the c - Axis is (Too) Large 0.020 Ang.

Author Response: Due to the limited resolution, the decision of using as much reflections as possible was made, thus integrating more noise and resulting in a worse s.u.

PLAT242_ALERT_2_C Low 'MainMol' Ueq as Compared to Neighbors of N6 Check

Author Response: Due to the limited resolution of the data, thermal parameters may show poor quality.

PLAT244_ALERT_4_C Low 'Solvent' Ueq as Compared to Neighbors of C4 Check

Author Response: Due to the limited resolution of the data, thermal parameters may show poor quality.

PLAT260_ALERT_2_C Large Average Ueq of Residue Including O2 0.185 Check

Author Response: Due to the limited resolution of the data, thermal parameters may show poor quality.

PLAT906_ALERT_3_C Large K Value in the Analysis of Variance 2.764 Check

Author Response: Due to the limited resolution of the data, the value of K results higher than usually advised.

PLAT911_ALERT_3_C Missing FCF Refl Between Thmin & STh/L= 0.500 2 Report

Author Response: The small size and weak diffractive power of the crystal resulted in the low amount of reflections that were collected.

● **Alert level G**

PLAT002_ALERT_2_G	Number of Distance or Angle Restraints on AtSite	5	Note
PLAT003_ALERT_2_G	Number of Uiso or Uij Restrained non-H Atoms ...	28	Report
PLAT007_ALERT_5_G	Number of Unrefined Donor-H Atoms	4	Report
PLAT042_ALERT_1_G	Calc. and Reported MoietyFormula Strings Differ		Please Check
PLAT172_ALERT_4_G	The CIF-Embedded .res File Contains DFIX Records	1	Report
PLAT173_ALERT_4_G	The CIF-Embedded .res File Contains DANG Records	2	Report
PLAT174_ALERT_4_G	The CIF-Embedded .res File Contains FLAT Records	4	Report
PLAT187_ALERT_4_G	The CIF-Embedded .res File Contains RIGU Records	2	Report
PLAT721_ALERT_1_G	Bond Calc 0.97000, Rep 0.96000 Dev...	0.01	Ang.
	C35 -H35B 1.555 1.555	#	70 Check
PLAT860_ALERT_3_G	Number of Least-Squares Restraints	239	Note
PLAT870_ALERT_4_G	ALERTS Related to Twinning Effects Suppressed ..		! Info

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- 1 **ALERT level A** = Most likely a serious problem - resolve or explain
 - 2 **ALERT level B** = A potentially serious problem, consider carefully
 - 10 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
 - 11 **ALERT level G** = General information/check it is not something unexpected
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- 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
 - 11 ALERT type 3 Indicator that the structure quality may be low
 - 6 ALERT type 4 Improvement, methodology, query or suggestion
 - 1 ALERT type 5 Informative message, check
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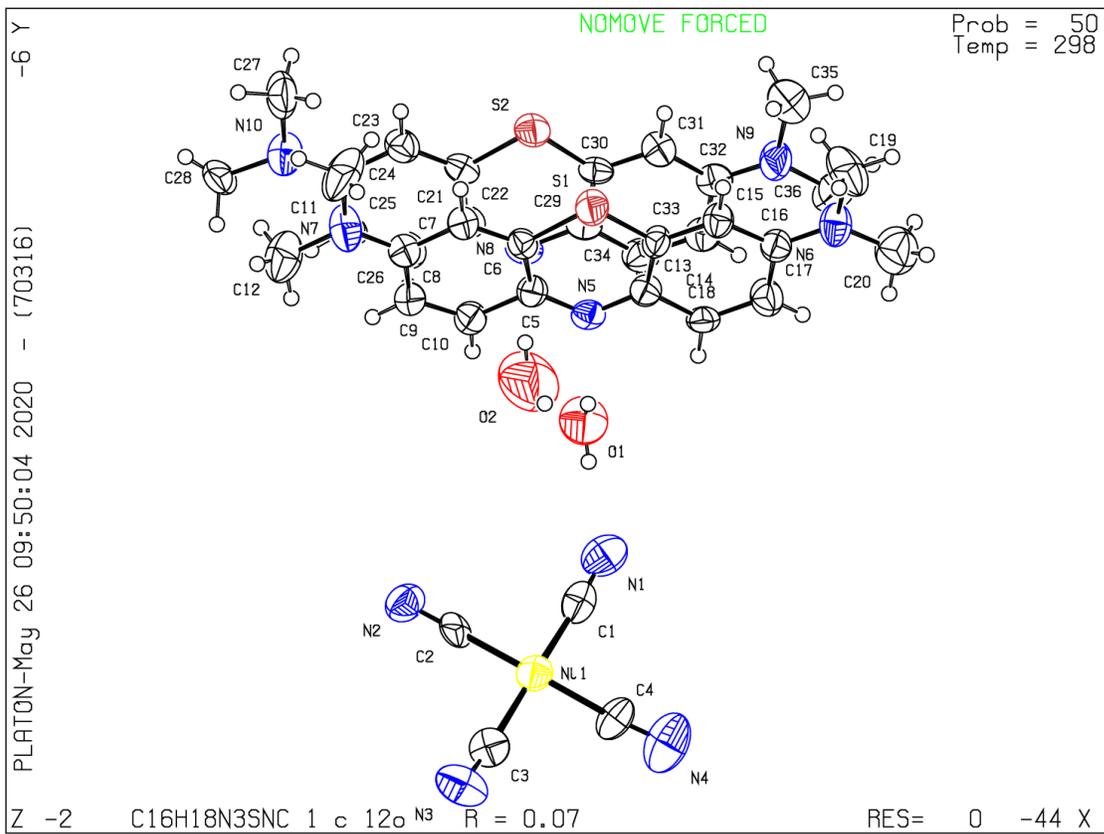
It is advisable to attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious 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.



-6 Y

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