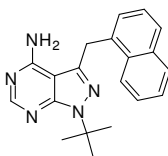


Certificate of Analysis

Axon Catalogue ID: 1892 **Batch Number:** 2
Product Name: 1-NM-PP1
Alternative Name(s): N.A.
IUPAC Name: 1-tert-Butyl-3-(naphthalen-1-ylmethyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine

Structure:



Amount:

CAS number(s): 221244-14-0
Molecular Formula: C₂₀H₂₁N₅ **Molecular Weight:** 331.41
Batch Molecular Formula: C₂₀H₂₁N₅ **Batch Molecular Weight:** 331.41
Appearance: White solid **Observed mp:** 174.2 - 177.6 °C
TLC (R_f): 0.83 DCM/MeOH (20:1)
Chemical Purity: 99.8%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 72.48, H 6.39, N 21.13; Found: C 72.62, H 6.30, N 21.20
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	0.0	0.0	Insoluble
DMSO	33.1	>100 mM	
EtOH	4.2	12.7	* Warming (40°C) and sonication

Remarks: * Warming (40°C) and sonication enhanced solubility.

QC Date: 20-7-2022

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only