



Certificate of Analysis

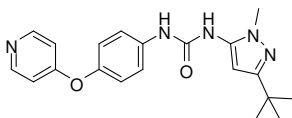
Axon Catalogue ID: 3620 **Batch Number:** 1

Product Name: MAPK13 inhibitor compound 61

Alternative Name(s): N.A.

IUPAC Name: 1-(3-tert-Butyl-1-methyl-1H-pyrazol-5-yl)-3-(4-(pyridin-4-yloxy)phenyl)urea

Structure:



Amount:

CAS number(s): 229002-10-2

Molecular Formula: C₂₀H₂₃N₅O₂

Molecular Weight: 365.43

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Appearance: White solid

Observed mp: 143.9 - 145.6 °C

TLC (R_f): 0.5 DCM/MeOH (9:1)

Chemical Purity: 99.8%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 65.73, H 6.34, N 19.16; Found: C 65.75, H 6.27, N 19.45

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	10.7	29.3	
	DMSO	36.5	>100 mM	
	EtOH	21.3	58.3	

Remarks:

QC Date: 10-10-2022

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