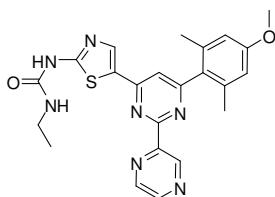




Certificate of Analysis

Axon Catalogue ID: 1949 **Batch Number:** 1
Product Name: LIMK1 inhibitor BMS4
Alternative Name(s): BMS4
IUPAC Name: 1-Ethyl-3-(5-(6-(4-methoxy-2,6-dimethylphenyl)-2-(pyrazin-2-yl)pyrimidin-4-yl)thiazol-2-yl)urea

Structure:



Amount:

CAS number(s): 905298-84-2
Molecular Formula: C₂₃H₂₃N₇O₂S **Molecular Weight:** 461.54
Batch Molecular Formula: C₂₃H₂₃N₇O₂S.0.25H₂O **Batch Molecular Weight:** 466.04
Appearance: Off-white solid **Observed mp:** 241 °C
TLC (R_f): 0.45 DCM/MeOH (9:1)
Chemical Purity: 99.1%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.27, H 5.08, N 21.04; Found: C 59.10, H 4.88, N 20.82
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	40.0	85.8	
EtOH			Not Tested

Remarks:

QC Date: 10-4-2024

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