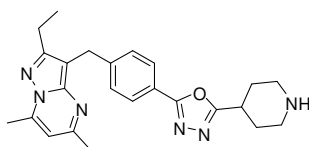




Certificate of Analysis

Axon Catalogue ID: 3788 **Batch Number:** 1
Product Name: NE52-QQ57
Alternative Name(s): N.A.
IUPAC Name: 2-(4-((2-Ethyl-5,7-dimethylpyrazolo[1,5-a]pyrimidin-3-yl)methyl)phenyl)-5-(piperidin-4-yl)-1,3,4-oxadiazole

Structure:



Amount:

CAS number(s): 1401728-56-0
Molecular Formula: C₂₄H₂₈N₆O **Molecular Weight:** 416.52
Batch Molecular Formula: C₂₄H₂₈N₆O.0.25H₂O **Batch Molecular Weight:** 421.02
Appearance: White solid **Observed mp:** 149.2 - 153.6 °C
TLC (R_f): 0.4 DCM/MeOH/NH₃ (4:1:0.1)
Chemical Purity: 99.8%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 68.47, H 6.82, N 19.96; Found: C 68.68, H 6.78, N 20.19
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)	36.0	85.5	
	DMSO	4.0	9.5	
	EtOH	4.2	10.0	

Remarks:

QC Date: 20-1-2023

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