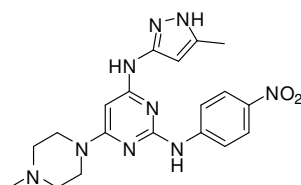




Certificate of Analysis

Axon Catalogue ID: 3408 **Batch Number:** 1
Product Name: AKI603
Alternative Name(s): N.A.
IUPAC Name: N4-(5-Methyl-1H-pyrazol-3-yl)-6-(4-methylpiperazin-1-yl)-N2-(4-nitrophenyl)pyrimidine-2,4-diamine

Structure:



Amount:

CAS number(s): 1432515-73-5
Molecular Formula: C₁₉H₂₃N₉O₂ **Molecular Weight:** 409.45
Batch Molecular Formula: C₁₉H₂₃N₉O₂·0.25H₂O **Batch Molecular Weight:** 413.95
Appearance: Yellow solid **Observed mp:** 252 °C
TLC (R_f): 0.39 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 55.13, H 5.72, N 30.45; Found: C 54.86, H 5.64, N 30.45
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	6.5	15.7	
	DMSO	41.4	>100 mM	* Sonication
	EtOH			Not Tested

Remarks: * Sonication enhanced solubility.

QC Date: 01-07-2021

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