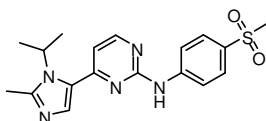




Certificate of Analysis

Axon Catalogue ID: 1966 **Batch Number:** 1
Product Name: AZD5438
Alternative Name(s): N.A.
IUPAC Name: 4-(1-Isopropyl-2-methyl-1H-imidazol-5-yl)-N-(4-(methylsulfonyl)phenyl)pyrimidin-2-amine

Structure:



Amount:

CAS number(s): 602306-29-6
Molecular Formula: C₁₈H₂₁N₅O₂S **Molecular Weight:** 371.46
Batch Molecular Formula: C₁₈H₂₁N₅O₂S.0.25H₂O **Batch Molecular Weight:** 375.96
Appearance: White solid **Observed mp:** 164.5 - 166.0 °C
TLC (R_f): 0.65 DCM/MeOH (9:1)
Chemical Purity: 98.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.50, H 5.76, N 18.63; Found: C 57.49, H 5.74, N 18.53
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)			Not Tested
	DMSO	37.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 28-1-2019

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