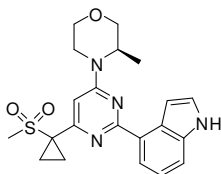




Certificate of Analysis

Axon Catalogue ID: 2345 **Batch Number:** 1
Product Name: AZ 20
Alternative Name(s): N.A.
IUPAC Name: (R)-4-(2-(1H-Indol-4-yl)-6-(1-(methylsulfonyl)cyclopropyl)pyrimidin-4-yl)-3-methylmorpholine

Structure:



Amount:

CAS number: 1233339-22-4
Batch Molecular Formula: C₂₁H₂₄N₄O₃S.0.25H₂O **Batch MW:** 417.01
Appearance: Pale yellow solid **Observed mp:** 188.5 - 189.7 °C
TLC (R_f): 0.81 DCM/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): o.p.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.48 , H 5.92 , N 13.44 Found: C 60.40 , H 5.96 , N 13.46
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	7.6	18.2	
	DMSO	32.7	78.4	
	EtOH			Not Tested

Remarks:

QC Date: 02-10-2014

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