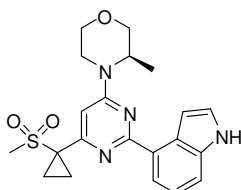




## Certificate of Analysis

**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(s):** 1233339-22-4  
**Molecular Formula:** C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S **Molecular Weight:** 412.51  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S.0.25H<sub>2</sub>O **Batch Molecular Weight:** 417.01  
**Appearance:** Pale-yellow solid **Observed mp:** 188.5 - 189.7 °C  
**TLC (R<sub>f</sub>):** 0.81 DCM/MeOH (9:1)  
**Chemical Purity:** 99.6%  
**Optical Purity (ee):** o.p.  
**<sup>1</sup>H-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:** 21-01-2020

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**