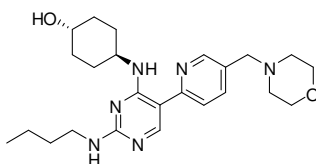




## Certificate of Analysis

**Axon Catalogue ID:** 2346 **Batch Number:** 1  
**Product Name:** UNC2250  
**Alternative Name(s):** N.A.  
**IUPAC Name:** trans-4-(2-(Butylamino)-5-(5-(morpholinomethyl)pyridin-2-yl)pyrimidin-4-ylamino)cyclohexanol

**Structure:**



**Amount:**

**CAS number(s):** 1493694-70-4  
**Molecular Formula:** C<sub>24</sub>H<sub>36</sub>N<sub>6</sub>O<sub>2</sub> **Molecular Weight:** 440.58  
**Batch Molecular Formula:** C<sub>24</sub>H<sub>36</sub>N<sub>6</sub>O<sub>2</sub>·0.125H<sub>2</sub>O **Batch Molecular Weight:** 442.83  
**Appearance:** Yellow solid **Observed mp:** 211.3 - 211.6 °C  
**TLC (R<sub>f</sub>):** 0.48 DCM/MeOH (9:1)  
**Chemical Purity:** 99.4%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 65.09, H 8.25, N 18.98; Found: C 65.00, H 8.42, N 18.96  
**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)	20.0	45.2	
	DMSO	3.2	7.2	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 21-1-2020

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**