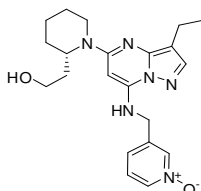




## Certificate of Analysis

**Axon Catalogue ID:** 1776 **Batch Number:** 1  
**Product Name:** Dinaciclib  
**Alternative Name(s):** SCH 727965  
**IUPAC Name:** (S)-3-((3-Ethyl-5-(2-(2-hydroxyethyl)piperidin-1-yl)pyrazolo[1,5-a]pyrimidin-7-ylamino)methyl)pyridine 1-oxide

**Structure:**



**Amount:**

**CAS number(s):** 779353-01-4  
**Molecular Formula:** C<sub>21</sub>H<sub>28</sub>N<sub>6</sub>O<sub>2</sub> **Molecular Weight:** 396.49  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>28</sub>N<sub>6</sub>O<sub>2</sub> **Batch Molecular Weight:** 396.49  
**Appearance:** Pale-yellow solid **Observed mp:** 114.5 °C  
**TLC (R<sub>f</sub>):** 0.52 DCM/MeOH (4:1)  
**Chemical Purity:** 98.9%  
**Optical Purity (ee):** 100%  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 63.62, H 7.12, N 21.20; Found: C ND, H ND, N ND  
**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)	21.3	53.7	Soluble upon compensating with acid
	DMSO	39.6	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 27-11-2018

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**