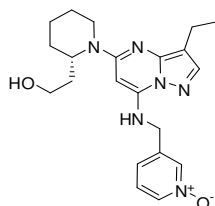




Certificate of Analysis

Axon Catalogue ID: 1776 **Batch Number:** 1
Product Name: SCH 727965
Alternative Name(s): Dinaciclib
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: C₂₁H₂₈N₆O₂ **Molecular Weight:** 396.49
Batch Molecular Formula: C₂₁H₂₈N₆O₂ **Batch Molecular Weight:** 396.49
Appearance: Pale-yellow solid **Observed mp:** 114.5 °C
TLC (R_f): 0.52 DCM/MeOH (4:1)
Chemical Purity: 98.9%
Optical Purity (ee): 100%
¹H-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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only