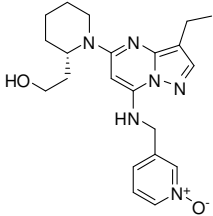




Certificate of Analysis

Axon Catalogue ID:	1776	Batch Number:	2
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:	C21H28N6O2	Molecular Weight:	396.49
Batch Molecular Formula:	C21H28N6O2.0.25H2O	Batch Molecular Weight:	400.99
Appearance:	Light-brown solid	Observed mp:	90.7 - 93.1 °C
TLC (R_f):	0.5	DCM/MeOH (4:1)	
Chemical Purity:	98.5%		
Optical Purity (ee):	Optically pure		
Optical Rotation (Det.):	[α] _D = -127.2° with c = 1 in MeOH		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 62.90, H 7.16, N 20.96; Found: C 62.65, H 7.06, N 20.88		
Storage Conditions:	Desiccate at -20 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)	9.5	23.7
	DMSO	40.1	>100 mM
	EtOH	40.1	>100 mM
Remarks:	Hygroscopic.		
QC Date:	19-5-2023		

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