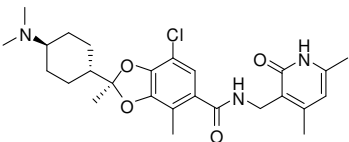


Certificate of Analysis

Axon Catalogue ID:	3722	Batch Number:	2
Product Name:	Valemetostat		
Alternative Name(s):	DS-3201B		
IUPAC Name:	(R)-7-Chloro-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-2-((1r,4R)-4-(dimethylamino)cyclohexyl)-2,4-dimethylbenzo[d][1,3]dioxole-5-carboxamide		
Structure:			Amount:
CAS number(s):	1809336-39-7		
Molecular Formula:	C26H34ClN3O4	Molecular Weight:	488.02
Batch Molecular Formula:	C26H34ClN3O4.H2O	Batch Molecular Weight:	506.03
Appearance:	White solid	Observed mp:	125 - 135 °C
TLC (R_f):	0.31	DCM/MeOH/NH ₃ (20:1:0.1)	
Chemical Purity:	99.3%		
Optical Purity (ee):	99.9%		
Optical Rotation (Det.):	[α] _D = +0.9° with c = 1 in CHCl ₃		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 61.71, H 7.17, N 8.30; Found: C 61.67, H 6.87, N 8.32		
Storage Conditions:	Store at -20 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)	28.0	55.3
	DMSO	50.6	>100 mM
	EtOH	50.6	>100 mM
Remarks:			
QC Date:	21-6-2024		

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