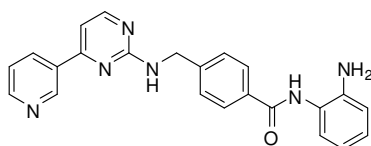




Certificate of Analysis

Axon Catalogue ID: 2505 **Batch Number:** 1
Product Name: Mocetinostat
Alternative Name(s): MGCD 0103; MG 0103
IUPAC Name: N-(2-Aminophenyl)-4-((4-(pyridin-3-yl)pyrimidin-2-ylamino)methyl)benzamide

Structure:



Amount:

CAS number(s): 726169-73-9
Molecular Formula: C₂₃H₂₀N₆O **Molecular Weight:** 396.44
Batch Molecular Formula: C₂₃H₂₀N₆O.0.1H₂O **Batch Molecular Weight:** 398.25
Appearance: Off-white solid **Observed mp:** 207.5 - 209.1 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.37, H 5.11, N 21.10; Found: C 69.15, H 5.07, N 21.09
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	11.2	28.1	
	DMSO	39.8	>100 mM	
	EtOH			Not Tested

Remarks: Material contains a residual amount of MeOH (approx. 0.5% w.t. based on ¹H-NMR)

QC Date: 14-01-2021

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