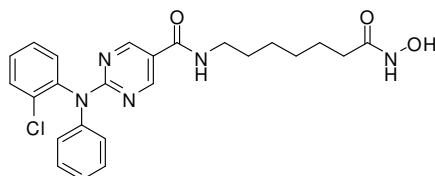




Certificate of Analysis

Axon Catalogue ID: 3039 **Batch Number:** 1
Product Name: ACY-241
Alternative Name(s): Citarinostat
IUPAC Name: 2-((2-Chlorophenyl)(phenyl)amino)-N-(7-(hydroxyamino)-7-oxoheptyl)pyrimidine-5-carboxamide

Structure:



Amount:

CAS number(s): 1316215-12-9
Molecular Formula: C₂₄H₂₆ClN₅O₃ **Molecular Weight:** 467.95
Batch Molecular Formula: C₂₄H₂₆ClN₅O₃·0.25H₂O **Batch Molecular Weight:** 472.45
Appearance: Light-orange solid **Observed mp:** 105 °C
TLC (R_f): 0.3 DCM/MeOH (20:1)
Chemical Purity: 98.2%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.01, H 5.56, N 14.82; Found: C 60.93, H 5.54, N 14.79
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	40.0	84.7	
	EtOH			Not Tested

Remarks:

QC Date: 27-11-2019

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