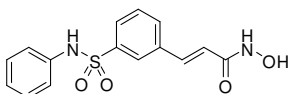




Certificate of Analysis

Axon Catalogue ID: 3115 **Batch Number:** 2
Product Name: Belinostat
Alternative Name(s): PXD101
IUPAC Name: (E)-N-Hydroxy-3-(3-(N-phenylsulfamoyl)phenyl)acrylamide

Structure:



Amount:

CAS number(s): 866323-14-0
Molecular Formula: C₁₅H₁₄N₂O₄S **Molecular Weight:** 318.35
Batch Molecular Formula: C₁₅H₁₄N₂O₄S **Batch Molecular Weight:** 318.35
Appearance: White solid **Observed mp:** 159 - 160 °C
TLC (R_f): 0.22 DCM/MeOH (9:1)
Chemical Purity: 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.59, H 4.43, N 8.80; Found: C 56.57, H 4.47, N 8.79
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)	11.0	34.6	
	0.1N HCl (aq)			Not Tested
	DMSO	31.8	>100 mM	
	EtOH	31.8	>100 mM	

Remarks:

QC Date: 24-7-2023

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