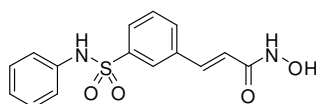




Certificate of Analysis

Axon Catalogue ID: 3115 **Batch Number:** 1
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.0.1H₂O **Batch Molecular Weight:** 320.15
Appearance: White solid **Observed mp:** 165 °C (decomp)
TLC (R_f): 0.32 DCM/MeOH (9:1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.27, H 4.47, N 8.75; Found: C 56.27, H 4.37, N 8.36
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	6.8	21.1	
	0.1N HCl (aq)			Not Tested
	DMSO	32.0	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 17-06-2020

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