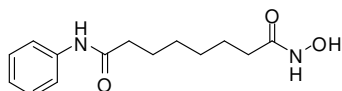




## Certificate of Analysis

**Axon Catalogue ID:** 3114 **Batch Number:** 1  
**Product Name:** Vorinostat  
**Alternative Name(s):** SAHA; Suberanilohydroxamic acid; MK-0683  
**IUPAC Name:** N1-Hydroxy-N8-phenyloctanediamide

**Structure:**



**Amount:**

**CAS number(s):** 149647-78-9  
**Molecular Formula:** C<sub>14</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub> **Molecular Weight:** 264.32  
**Batch Molecular Formula:** C<sub>14</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 268.82  
**Appearance:** White solid **Observed mp:** 159.3 - 162.1 °C  
**TLC (R<sub>f</sub>):** 0.31 DCM/MeOH (9:1)  
**Chemical Purity:** 100%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.55, H 7.69, N 10.42; Found: C 62.51, H 7.66, N 10.77  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	1.0	3.8	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	26.9	>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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**