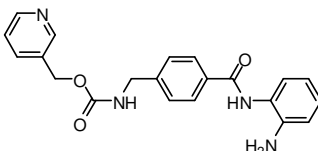




## Certificate of Analysis

**Axon Catalogue ID:** 1803 **Batch Number:** 1  
**Product Name:** MS 275  
**Alternative Name(s):** Entinostat; SNDX 275  
**IUPAC Name:** Pyridin-3-ylmethyl 4-(2-aminophenylcarbamoyl)benzylcarbamate

**Structure:**



**Amount:**

**CAS number(s):** 209783-80-2  
**Molecular Formula:** C<sub>21</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub> **Molecular Weight:** 376.41  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub> **Batch Molecular Weight:** 376.41  
**Appearance:** Off-white solid **Observed mp:** 159.5 - 160.9 °C  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (9:1)  
**Chemical Purity:** 99.2%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 67.01, H 5.36, N 14.88; Found: C ND, H ND, N ND  
**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)			Not Tested
	DMSO	37.6	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 20-7-2023

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

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