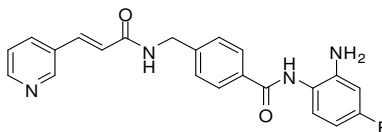




## Certificate of Analysis

**Axon Catalogue ID:** 2893 **Batch Number:** 1  
**Product Name:** Tucidinostat  
**Alternative Name(s):** Chidamide; CS 055; Epidaza; HBI-8000  
**IUPAC Name:** (E)-N-(2-Amino-4-fluorophenyl)-4-((3-(pyridin-3-yl)acrylamido)methyl)benzamide

**Structure:**



**Amount:**

**CAS number(s):** 1616493-44-7  
**Molecular Formula:** C<sub>22</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>2</sub> **Molecular Weight:** 390.41  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>2</sub>.0.6H<sub>2</sub>O **Batch Molecular Weight:** 401.22  
**Appearance:** Brown solid **Observed mp:** 236 °C  
**TLC (R<sub>f</sub>):** 0.35 DCM/MeOH (9:1)  
**Chemical Purity:** 98.0%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 65.86, H 5.07, N 13.96; Found: C 65.45, H 4.59, N 13.70  
**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)	2.2	5.5	Warming enhances solubility
	DMSO	40.1	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 16/10/2024

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**