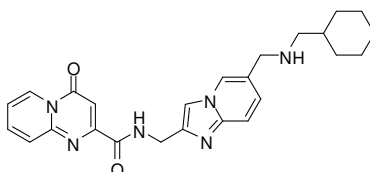


## Certificate of Analysis

**Axon Catalogue ID:** 3587 **Batch Number:** 1  
**Product Name:** STM2457  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N-((6-((Cyclohexylmethylamino)methyl)imidazo[1,2-a]pyridin-2-yl)methyl)-4-oxo-4H-pyrido[1,2-a]pyrimidine-2-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 2499663-01-1  
**Molecular Formula:** C25H28N6O2 **Molecular Weight:** 444.53  
**Batch Molecular Formula:** C25H28N6O2 **Batch Molecular Weight:** 444.53  
**Appearance:** Off-white solid **Observed mp:** >142 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (4:1)  
**Chemical Purity:** 99.1%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 67.55, H 6.35, N 18.91; Found: C 67.47, H 6.32, N 18.85  
**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)	11.2	25.2	
	DMSO	11.2	25.2	* Warming (40°C)
	EtOH	20.8	46.7	

**Remarks:** Suspected to be electrostatic.  
 \* Warming (40°C) enhanced solubility.

**QC Date:** 27-1-2022

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**