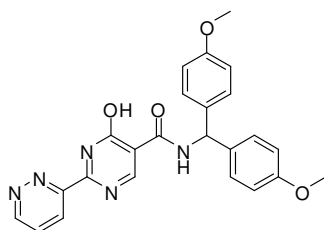




## Certificate of Analysis

**Axon Catalogue ID:** 3095 **Batch Number:** 1  
**Product Name:** MK-8617  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N-(Bis(4-methoxyphenyl)methyl)-4-hydroxy-2-(pyridazin-3-yl)pyrimidine-5-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 1187990-87-9  
**Molecular Formula:** C<sub>24</sub>H<sub>21</sub>N<sub>5</sub>O<sub>4</sub> **Molecular Weight:** 443.45  
**Batch Molecular Formula:** C<sub>24</sub>H<sub>21</sub>N<sub>5</sub>O<sub>4</sub> **Batch Molecular Weight:** 443.45  
**Appearance:** Off-white solid **Observed mp:** 233 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.63 DCM/MeOH (9:1)  
**Chemical Purity:** 99.9%  
**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 65.00, H 4.77, N 15.79; Found: C 65.03, H 4.46, N 15.83  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	1.7	3.9	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	9.0	20.3	Sonication at 40°C enhances solubility
	EtOH			Not Tested

**Remarks:**

**QC Date:** 26-03-2020

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**