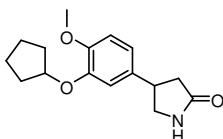




## Certificate of Analysis

**Axon Catalogue ID:** 1212 **Batch Number:** 3  
**Product Name:** Rolipram  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-(3-Cyclopentyloxy-4-methoxy-phenyl)-pyrrolidin-2-one

**Structure:**



**Amount:**

**CAS number(s):** 61413-54-5  
**Molecular Formula:** C<sub>16</sub>H<sub>21</sub>NO<sub>3</sub> **Molecular Weight:** 275.34  
**Batch Molecular Formula:** C<sub>16</sub>H<sub>21</sub>NO<sub>3</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 279.85  
**Appearance:** White solid **Observed mp:** 132 °C  
**TLC (R<sub>f</sub>):** 0.51 DCM/MeOH (9:1)  
**Chemical Purity:** 99.4%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 68.67, H 7.74, N 5.01; Found: C 68.82, H 7.74, N 5.11  
**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)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.0	>100 mM	
	EtOH	20.0	71.5	

**Remarks:**

**QC Date:** 22-2-2024

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**