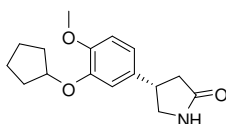




## Certificate of Analysis

**Axon Catalogue ID:** 1432 **Batch Number:** 1  
**Product Name:** (S)-(+)-Rolipram  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-4-(3-(Cyclopentyloxy)-4-methoxyphenyl)pyrrolidin-2-one

**Structure:**



**Amount:**

**CAS number(s):** 85416-73-5  
**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> **Batch Molecular Weight:** 275.34  
**Appearance:** White solid **Observed mp:** 130 - 131 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/ MeOH (9:1)  
**Chemical Purity:** 99.8%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 69.79, H 7.69, N 5.09; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	27.5	>100 mM	
	EtOH	27.5	>100 mM	

**Remarks:**

**QC Date:** 8-6-2009

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**