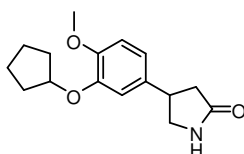




Certificate of Analysis

Axon Catalogue ID: 1212 **Batch Number:** 2
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: C₁₆H₂₁NO₃ **Molecular Weight:** 275.34
Batch Molecular Formula: C₁₆H₂₁NO₃ **Batch Molecular Weight:** 275.34
Appearance: White solid **Observed mp:** 132.0 - 132.5 °C
TLC (R_f): 0.49 DCM/MeOH (9:1)
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.79, H 7.69, N 5.08; Found: C 69.68, H 7.86, N 4.88
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	22.8	82.8	

Remarks:

QC Date: 12-07-2019

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only