



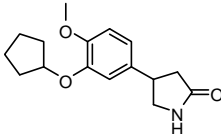
Certificate of Analysis

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: 61413-54-5 **MW:** 275.34

Batch Molecular Formula: C₁₆H₂₁NO₃ **Batch MW:** 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):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

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	28	>100 mM	Soluble
EtOH	23	83	Soluble

Remarks: Microanalysis: Calcd. C 69.79, H 7.69, N 5.08; Found: C 69.68, H 7.86, N 4.88.

QC Date: 4/10/2013

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only