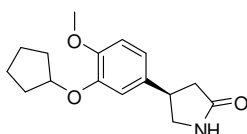




Certificate of Analysis

Axon Catalogue ID: 1229 **Batch Number:** 3
Product Name: (R)-(-)-Rolipram
Alternative Name(s): N.A.
IUPAC Name: (4R)-4-[3-(Cyclopentyloxy)-4-methoxyphenyl]pyrrolidin-2-one

Structure:



Amount:

CAS number(s): 85416-75-7
Molecular Formula: C₁₆H₂₁NO₃ **Molecular Weight:** 275.34
Batch Molecular Formula: C₁₆H₂₁NO₃ **Batch Molecular Weight:** 275.34
Appearance: White solid **Observed mp:** 134 - 135 °C
TLC (R_f): 0.51 DCM/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): 99.3%
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 5.09; Found: C 69.75, H 7.77, N 5.20
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	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: 27-06-2016

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