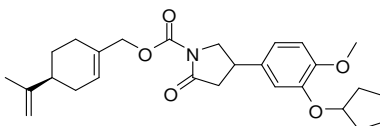




## Certificate of Analysis

**Axon Catalogue ID:** 2456 **Batch Number:** 1  
**Product Name:** NEO214  
**Alternative Name(s):** Rolipram-POH  
**IUPAC Name:** ((S)-4-(Prop-1-en-2-yl)cyclohex-1-enyl)methyl 4-(3-(cyclopentyloxy)-4-methoxyphenyl)-2-oxopyrrolidine-1-carboxylate

**Structure:**



**Amount:**

**CAS number(s):** 1361198-80-2  
**Molecular Formula:** C<sub>27</sub>H<sub>35</sub>NO<sub>5</sub> **Molecular Weight:** 453.57  
**Batch Molecular Formula:** C<sub>27</sub>H<sub>35</sub>NO<sub>5</sub> **Batch Molecular Weight:** 453.57  
**Appearance:** White solid **Observed mp:** 66 °C  
**TLC (R<sub>f</sub>):** 0.52 Hexane/EtOAc (2:1)  
**Chemical Purity:** 99.0%  
**Optical Purity (ee):** Optically pure  
**Optical Rotation (Det.):** [α]<sub>D</sub> = -38.5° with c = 0.5 in CHCl<sub>3</sub>  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 71.50, H 7.78, N 3.09; Found: C 71.61, H 7.88, N 3.16  
**Storage Conditions:** Store at -20 °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	45.4	>100 mM	
	EtOH			Not Tested

**Remarks:**

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**