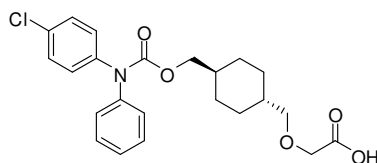


Certificate of Analysis

Axon Catalogue ID: 2874 **Batch Number:** 1
Product Name: Ralinepag
Alternative Name(s): APD 811
IUPAC Name: 2-(((1r,4r)-4-((Phenyl(p-tolyl)carbamoyloxy)methyl)cyclohexyl)methoxy) acetic acid

Structure:



Amount:

CAS number(s): 1187856-49-0
Molecular Formula: C₂₃H₂₆ClNO₅ **Molecular Weight:** 431.91
Batch Molecular Formula: C₂₃H₂₆ClNO₅·0.25H₂O **Batch Molecular Weight:** 436.41
Appearance: Off-white solid **Observed mp:** 95 - 96 °C
TLC (R_f): 0.15 PE:EtOAc (1:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.30, H 6.12, N 3.21; Found: C 63.35, H 6.03, N 3.12
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	43.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 15-08-2019

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