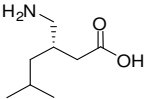




Certificate of Analysis

Axon Catalogue ID:	1823	Batch Number:	1																								
Product Name:	Pregabalin																										
Alternative Name(s):	PD144723																										
IUPAC Name:	(S)-3-(Aminomethyl)-5-methylhexanoic acid																										
Structure:		Amount:																									
CAS number(s):	148553-50-8																										
Molecular Formula:	C ₈ H ₁₇ NO ₂	Molecular Weight:	159.23																								
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Appearance:	White solid	Observed mp:	184.2 - 186.0 °C																								
TLC (R_f):	0.55	tBuOH/AcOH/H ₂ O (3:1:1)																									
Chemical Purity:	>98%																										
Optical Purity (ee):	Optically pure																										
Optical Rotation (Det.):	[α] _D = +14.3° with c = 0.5 in H ₂ O																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 60.35, H 10.76, N 8.80; Found: C 60.50, H 10.91, N 8.92																										
Storage Conditions:	Desiccate at +4 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>12.7</td><td>79.8</td><td></td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>0.0</td><td>0.1</td><td>Insoluble</td></tr><tr><td>EtOH</td><td></td><td></td><td>Not Tested</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	12.7	79.8		0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	0.0	0.1	Insoluble	EtOH			Not Tested		
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EtOH			Not Tested																								
Remarks:	Purity based on NMR.																										
QC Date:	14-6-2022																										

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