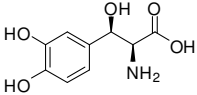




Certificate of Analysis

Axon Catalogue ID:	3665	Batch Number:	1																								
Product Name:	Droxidopa																										
Alternative Name(s):	L-DOPS; L-threo 3,4-Dihydroxyphenylserine																										
IUPAC Name:	(2S,3R)-2-Amino-3-(3,4-dihydroxyphenyl)-3-hydroxypropanoic acid																										
Structure:		Amount:																									
CAS number(s):	23651-95-8																										
Molecular Formula:	C9H11NO5	Molecular Weight:	213.19																								
Batch Molecular Formula:	C9H11NO5.0.25H2O	Batch Molecular Weight:	217.69																								
Appearance:	Off-white solid	Observed mp:	>230 °C (decomp)																								
TLC (R_f):	0.53	DCM/MeOH/HCOOH (1:1:0.1)																									
Chemical Purity:	>98%																										
Optical Purity (ee):	Optically pure																										
Optical Rotation (Det.):	[α] _D = -42.8° with c = 0.4 in 1N HCl (aq)																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 49.66, H 5.32, N 6.43; Found: C 49.92, H 5.08, N 6.35																										
Storage Conditions:	Desiccate at -20 °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>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>0.1N NaOH (aq)</td><td>13.3</td><td>61.1</td><td></td></tr><tr><td>0.1N HCl (aq)</td><td>11.0</td><td>50.5</td><td></td></tr><tr><td>DMSO</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>EtOH</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	0.0	0.0	Insoluble	0.1N NaOH (aq)	13.3	61.1		0.1N HCl (aq)	11.0	50.5		DMSO	0.0	0.0	Insoluble	EtOH	0.0	0.0	Insoluble		
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Remarks:	Purity based on NMR.																										
QC Date:	25-7-2022																										

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