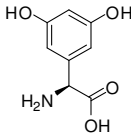




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1740	<b>Batch Number:</b>	1																								
<b>Product Name:</b>	(S)-3,5-DHPG																										
<b>Alternative Name(s):</b>	(S)-3,5-Dihydroxyphenylglycine																										
<b>IUPAC Name:</b>	(S)-2-Amino-2-(3,5-dihydroxyphenyl)acetic acid																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number(s):</b>	162870-29-3																										
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>9</sub> NO <sub>4</sub>	<b>Molecular Weight:</b>	183.16																								
<b>Batch Molecular Formula:</b>	C <sub>8</sub> H <sub>9</sub> NO <sub>4</sub> ·0.5H <sub>2</sub> O	<b>Batch Molecular Weight:</b>	192.17																								
<b>Appearance:</b>	Off-white solid	<b>Observed mp:</b>	222 °C (decomp)																								
<b>TLC (R<sub>f</sub>):</b>	0.49	n-BuOH/AcOH/H <sub>2</sub> O (3:1:1)																									
<b>Chemical Purity:</b>	98.5%																										
<b>Optical Purity (ee):</b>	99.6%																										
<b><sup>1</sup>H-NMR (300 MHz):</b>	Analytical data confirm chemical structure																										
<b>Mass Spec:</b>	Analytical data confirm chemical structure																										
<b>Microanalysis:</b>	Calculated: C 50.00, H 5.25, N 7.29; Found: C 50.43, H 4.98, N 7.24																										
<b>Storage Conditions:</b>	Store at +4 °C																										
<b>Solubility Data:</b>	<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>19.2</td><td>&gt;100 mM</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>19.2</td><td>&gt;100 mM</td><td></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	19.2	>100 mM		0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	19.2	>100 mM		EtOH			Not Tested		
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<b>Remarks:</b>																											
<b>QC Date:</b>	8-11-2023																										

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