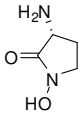




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	3473	<b>Batch Number:</b>	2																								
<b>Product Name:</b>	(R)-(+)-HA-966																										
<b>Alternative Name(s):</b>	N.A.																										
<b>IUPAC Name:</b>	(R)-3-Amino-1-hydroxypyrrolidin-2-one																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number(s):</b>	123931-04-4																										
<b>Molecular Formula:</b>	C4H8N2O2	<b>Molecular Weight:</b>	116.12																								
<b>Batch Molecular Formula:</b>	C4H8N2O2.0.1H2O	<b>Batch Molecular Weight:</b>	117.92																								
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	156 - 158 °C (decomp)																								
<b>TLC (R<sub>f</sub>):</b>	0.6	MeOH/6N NH4OH (9:1)																									
<b>Chemical Purity:</b>	>98%																										
<b>Optical Purity (ee):</b>	Optically pure																										
<b>Optical Rotation (Det.):</b>	[α] <sub>D</sub> = +122.9° with c = 0.5 in H <sub>2</sub> O																										
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure																										
<b>Mass Spec:</b>	N.A.																										
<b>Microanalysis:</b>	Calculated: C 40.74, H 7.01, N 23.76; Found: C 40.60, H 6.89, N 23.84																										
<b>Storage Conditions:</b>	Desiccate at -20 °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>11.8</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>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	11.8	>100 mM		0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	0.0	0.0	Insoluble	EtOH	0.0	0.0	Insoluble		
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<b>Remarks:</b>	Purity based on NMR.																										

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**