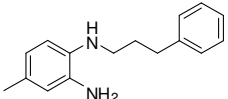




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	2349	<b>Batch Number:</b>	1																								
<b>Product Name:</b>	JSH 23																										
<b>Alternative Name(s):</b>	N.A.																										
<b>IUPAC Name:</b>	4-Methyl-N1-(3-phenylpropyl)benzene-1,2-diamine																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number:</b>	749886-87-1																										
<b>Batch Molecular Formula:</b>	C16H20N2	<b>Batch MW:</b>	240.34																								
<b>Appearance:</b>	Off-white solid	<b>Observed mp:</b>	103.0 - 104.2 °C																								
<b>TLC (R<sub>f</sub>):</b>	0.32	DCM/MeOH (9:1)																									
<b>Chemical Purity:</b>	99.7%																										
<b>Optical Purity (ee):</b>																											
<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 79.96 , H 8.39 , N 11.66 Found: C 79.78 , H 8.37 , N 11.82																										
<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></td><td></td><td>Not Tested</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>6.8</td><td>28.3</td><td></td></tr><tr><td>DMSO</td><td>24.0</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			Not Tested	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)	6.8	28.3		DMSO	24.0	>100 mM		EtOH			Not Tested		
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<b>Remarks:</b>																											
<b>QC Date:</b>	02-10-2014																										

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**