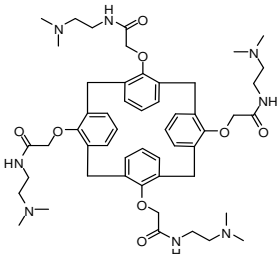




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	2332	<b>Batch Number:</b>	1																								
<b>Product Name:</b>	OTX 008																										
<b>Alternative Name(s):</b>	Calixarene 0118; Calix[4]arene compound 0118; PTX 008																										
<b>IUPAC Name:</b>	2,2',2'',2'''-[Pentacyclo[19.3.1.13.7.19,13.115,19]octacos-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene-5,11,17,23-																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number:</b>	286936-40-1																										
<b>Batch Molecular Formula:</b>	C52H72N8O8.1H2O	<b>Batch MW:</b>	955.20																								
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	213 - 214 °C																								
<b>TLC (R<sub>f</sub>):</b>	0.43	DCN/MeOH/NH <sub>3</sub> (9:1:0.1)																									
<b>Chemical Purity:</b>	99.4%																										
<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 65.39 , H 7.81 , N 11.73 Found: C 65.60 , H 7.64 , N 11.84																										
<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>0.0</td><td>0.0</td><td>Insoluble</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>31.0</td><td>32.5</td><td></td></tr><tr><td>DMSO</td><td>3.4</td><td>3.6</td><td>Insoluble</td></tr><tr><td>EtOH</td><td>53.0</td><td>55.5</td><td></td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	0.0	0.0	Insoluble	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)	31.0	32.5		DMSO	3.4	3.6	Insoluble	EtOH	53.0	55.5			
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<b>Remarks:</b>																											
<b>QC Date:</b>	09-02-2015																										

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**