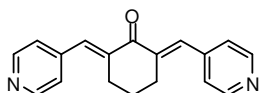




## Certificate of Analysis

**Axon Catalogue ID:** 1790 **Batch Number:** 1  
**Product Name:** SC 66  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (2E,6E)-2,6-Bis(pyridin-4-ylmethylene)cyclohexanone

**Structure:**



**Amount:**

**CAS number(s):** 871361-88-5  
**Molecular Formula:** C<sub>18</sub>H<sub>18</sub>N<sub>2</sub>O **Molecular Weight:** 276.33  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>18</sub>N<sub>2</sub>O **Batch Molecular Weight:** 276.33  
**Appearance:** Yellow solid **Observed mp:** 150 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 98.8%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 78.24, H 5.84, N 10.14; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	27.6	>100 mM	
	EtOH	27.6	>100 mM	

**Remarks:**

**QC Date:** 21-06-2018

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**