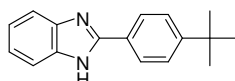




## Certificate of Analysis

**Axon Catalogue ID:** 2379 **Batch Number:** 1  
**Product Name:** ZLN 005  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(4-tert-Butylphenyl)-1H-indole

**Structure:**



**Amount:**

**CAS number(s):** 49671-76-3  
**Molecular Formula:** C<sub>17</sub>H<sub>18</sub>N<sub>2</sub> **Molecular Weight:** 250.34  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>18</sub>N<sub>2</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 254.84  
**Appearance:** White solid **Observed mp:** 252.6 - 253.7 °C  
**TLC (R<sub>f</sub>):** 0.6 Hex/EtOAc (4:1)  
**Chemical Purity:** 99.0%  
**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 80.12, H 7.32, N 10.99; Found: C 80.12, H 7.12, N 10.93  
**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	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	25.5	>100 mM	
	EtOH			Not Tested

**Remarks:** Suspected to be unstable in solution; it is recommended to prepare a fresh stock solution for each of your experiments.

**QC Date:** 30-01-2020

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**