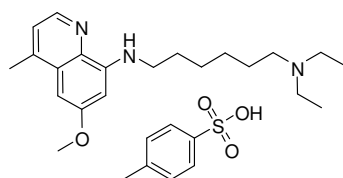




## Certificate of Analysis

**Axon Catalogue ID:** 1515 **Batch Number:** 1  
**Product Name:** Sitamaquine tosylate  
**Alternative Name(s):** WR 6026 tosylate  
**IUPAC Name:** N1,N1-Diethyl-N6-(6-methoxy-4-methylquinolin-8-yl)hexane-1,6-diamine 4-methylbenzenesulfonate

**Structure:**



**Amount:**

**CAS number(s):** 57695-04-2 (parent), 1019640-33-5 (tosylate (1:1))  
**Molecular Formula:** C<sub>21</sub>H<sub>33</sub>N<sub>3</sub>O<sub>3</sub> **Molecular Weight:** 515.71  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>33</sub>N<sub>3</sub>O<sub>3</sub> **Batch Molecular Weight:** 515.71  
**Appearance:** Off-white solid **Observed mp:** 97.1 - 98.3 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (9:1)  
**Chemical Purity:** 99.8%  
**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 65.21, H 8.01, N 8.15; 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	38.7	75.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 04-10-2018

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**