



## Certificate of Analysis

<b>Axon Catalogue ID:</b>	2715	<b>Batch Number:</b>	1	
<b>Product Name:</b>	SUVN-502			
<b>Alternative Name(s):</b>	N.A.			
<b>IUPAC Name:</b>	1-[(2-Bromophenyl)sulfonyl]-5-methoxy-3-[(4-methyl-1-piperazinyl)methyl]-1H-indole bismesylate			
<b>Structure:</b>			<b>Amount:</b>	
<b>CAS number(s):</b>	701205-60-9 (parent), 1791396-46-7 (mesylate salt (1:2))			
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>24</sub> BrN <sub>3</sub> O <sub>3</sub> S <sub>2</sub> ·2CH <sub>4</sub> O <sub>3</sub> S	<b>Molecular Weight:</b>	670.61	
<b>Batch Molecular Formula:</b>	C <sub>21</sub> H <sub>24</sub> BrN <sub>3</sub> O <sub>3</sub> S <sub>2</sub> ·2CH <sub>4</sub> O <sub>3</sub> S·H <sub>2</sub> O	<b>Batch Molecular Weight:</b>	688.63	
<b>Appearance:</b>	Purple solid	<b>Observed mp:</b>	226.8 °C (decomp)	
<b>TLC (R<sub>f</sub>):</b>	0.4	DCM/MeOH (9:1)		
<b>Chemical Purity:</b>	99.3%			
<b>Optical Purity (ee):</b>	N.A.			
<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 40.12, H 4.98, N 6.10; Found: C 40.08, H 4.87, N 5.95			
<b>Storage Conditions:</b>	Desiccate at -20 °C			
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	44.0	63.9	Warming enhances solubility
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	48.0	69.7	Warming enhances solubility
	EtOH			Not Tested
<b>Remarks:</b>				
<b>QC Date:</b>	04-10-2017			

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**