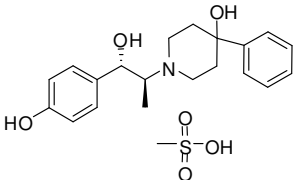




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1406	<b>Batch Number:</b>	5
<b>Product Name:</b>	CP 101606 mesylate		
<b>Alternative Name(s):</b>	Traxoprodil mesylate		
<b>IUPAC Name:</b>	1-((1S,2S)-1-Hydroxy-1-(4-hydroxyphenyl)propan-2-yl)-4-phenylpiperidin-4-ol mesylate		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	134234-12-1 (parent), 188591-67-5 (mesylate (1:1))		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>25</sub> NO <sub>3</sub> .CH <sub>4</sub> O <sub>3</sub> S	<b>Molecular Weight:</b>	423.52
<b>Batch Molecular Formula:</b>	C <sub>20</sub> H <sub>25</sub> NO <sub>3</sub> .CH <sub>4</sub> O <sub>3</sub> S.3H <sub>2</sub> O	<b>Batch Molecular Weight:</b>	477.57
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	200 - 215 °C (decomp)
<b>TLC (R<sub>f</sub>):</b>	0.3	DCM/MeOH (9:1)	
<b>Chemical Purity:</b>	99.4%		
<b>Optical Purity (ee):</b>	99.5%		
<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 52.81, H 7.39, N 2.93; Found: C 52.72, H 7.26, N 3.01		
<b>Storage Conditions:</b>	Desiccate at -20 °C		
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>
	Water	13.0	27.2
	0.1N NaOH (aq)		
	0.1N HCl (aq)		
	DMSO	47.8	>100 mM
	EtOH		
			<b>Remarks</b>
			Warming enhances solubility
			Not Tested
			Not Tested
			Not Tested
<b>Remarks:</b>			
<b>QC Date:</b>	31-10-2019		

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**