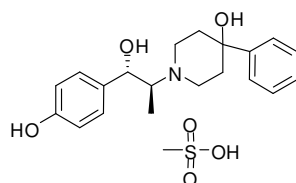




## Certificate of Analysis

**Axon Catalogue ID:** 1406 **Batch Number:** 3  
**Product Name:** CP 101606 mesylate  
**Alternative Name(s):** Traxoprodil mesylate  
**IUPAC Name:** 1-((1S,2S)-1-Hydroxy-1-(4-hydroxyphenyl)propan-2-yl)-4-phenylpiperidin-4-ol mesylate

**Structure:**



**Amount:**

**CAS number(s):** 134234-12-1 (parent), 188591-67-5 (mesylate (1:1))  
**Molecular Formula:** C<sub>20</sub>H<sub>25</sub>NO<sub>3</sub>.CH<sub>4</sub>O<sub>3</sub>S **Molecular Weight:** 423.52  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>25</sub>NO<sub>3</sub>.CH<sub>4</sub>O<sub>3</sub>S **Batch Molecular Weight:** 423.52  
**Appearance:** White solid **Observed mp:** 193 - 195 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 99.2%  
**Optical Purity (ee):** >99%  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 59.55, H 6.90, N 3.31; 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	14.0	33.1	Warming required
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	12.0	28.3	
	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**