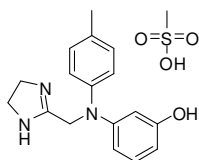




## Certificate of Analysis

**Axon Catalogue ID:** 3510 **Batch Number:** 1  
**Product Name:** Phentolamine mesylate  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 3-(((4,5-Dihydro-1H-imidazol-2-yl)methyl)(p-tolyl)amino)phenol methanesulfonate

**Structure:**



**Amount:**

**CAS number(s):** 50-60-2 (parent), 65-28-1 (mesylate (1:1))  
**Molecular Formula:** C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub> **Molecular Weight:** 377.46  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub> **Batch Molecular Weight:** 377.46  
**Appearance:** White solid **Observed mp:** >180.5 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 99.9%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 57.28, H 6.14, N 11.13; Found: C 57.24, H 6.13, N 11.03  
**Storage Conditions:** Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	37.7	>100 mM	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	37.7	>100 mM	
EtOH	37.7	>100 mM	

**Remarks:**

**QC Date:** 28-10-2021

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**