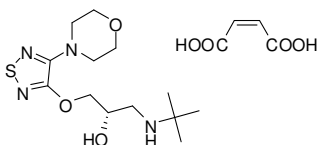




## Certificate of Analysis

**Axon Catalogue ID:** 1518 **Batch Number:** 1  
**Product Name:** Timolol maleate  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-1-tert-Butylamino-3-(4-morpholin-4-yl-[1,2,5]thiadiazol-3-yloxy)-propan-2-ol maleate

**Structure:**



**Amount:**

**CAS number:** 26921-17-5  
**Batch Molecular Formula:** C<sub>13</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S.C<sub>4</sub>H<sub>4</sub>O<sub>4</sub> **Batch MW:** 432.50  
**Appearance:** White Solid **Observed mp:** 201.5 - 202.6 °C  
**TLC (R<sub>f</sub>):** 0.2 DCM/MeOH (9:1)  
**Chemical Purity:** 99.0%  
**Optical Purity (ee):**  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 47.21 , H 6.53 , N 12.95 Found: C ND , H ND , N ND  
**Storage Conditions:** Desiccate at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	42.0	97.1	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	38.0	87.9	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 22-03-2010

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**