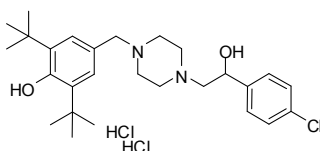




## Certificate of Analysis

**Axon Catalogue ID:** 1113 **Batch Number:** 1  
**Product Name:** AM 36 dihydrochloride  
**Alternative Name(s):** CNSB002  
**IUPAC Name:** 2,6-Di-tert-butyl-4-[4-[2-(4-chloro-phenyl)-2-hydroxy-ethyl]-piperazin-1-ylmethyl]-phenol dihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 199467-52-2 (parent)  
**Molecular Formula:** C<sub>27</sub>H<sub>39</sub>ClN<sub>2</sub>O<sub>2</sub>·2HCl **Molecular Weight:** 531.99  
**Batch Molecular Formula:** C<sub>27</sub>H<sub>39</sub>ClN<sub>2</sub>O<sub>2</sub>·2HCl **Batch Molecular Weight:** 531.99  
**Appearance:** White Solid **Observed mp:** 229 - 232 °C  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (9:1)  
**Chemical Purity:** 99.0%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 60.96, H 7.77, N 5.27; Found: C ND, H ND, N ND

**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	3.0	5.6	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Not Tested
	EtOH			Not Tested

**Remarks:**

**QC Date:** 12-06-2010

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**