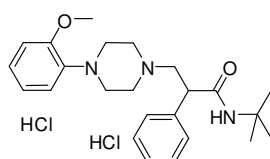




## Certificate of Analysis

**Axon Catalogue ID:** 1360 **Batch Number:** 2  
**Product Name:** WAY 100135 dihydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N-tert-butyl-3-(4-(2-Methoxyphenyl)piperazin-1-yl)-2-phenylpropanamide dihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 133025-23-7 (parent), 149055-79-8 (HCl (1:2))  
**Molecular Formula:** C<sub>24</sub>H<sub>33</sub>N<sub>3</sub>O<sub>2</sub>·2HCl **Molecular Weight:** 468.46  
**Batch Molecular Formula:** C<sub>24</sub>H<sub>33</sub>N<sub>3</sub>O<sub>2</sub>·2HCl **Batch Molecular Weight:** 468.46  
**Appearance:** White solid **Observed mp:** 210.2 - 212.8 °C  
**TLC (R<sub>f</sub>):** 0.7 DCM/MeOH (9:1)  
**Chemical Purity:** 98.7%  
**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 61.53, H 7.53, N 8.97; 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	20.0	42.7	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Not Tested
	EtOH			Not Tested

**Remarks:**

**QC Date:** 07-11-2011

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**