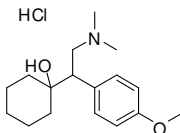




## Certificate of Analysis

**Axon Catalogue ID:** 1727 **Batch Number:** 1  
**Product Name:** Venlafaxine hydrochloride  
**Alternative Name(s):** Venlift; Vexor; WY 45030  
**IUPAC Name:** 1-(2-(Dimethylamino)-1-(4-methoxyphenyl)ethyl)cyclohexanol hydrochloride

**Structure:** HCl **Amount:**



**CAS number(s):** 93413-69-5 (parent), 99300-78-4 (HCl (1:1))  
**Molecular Formula:** C<sub>17</sub>H<sub>27</sub>NO<sub>2</sub>.HCl **Molecular Weight:** 313.86  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>27</sub>NO<sub>2</sub>.HCl **Batch Molecular Weight:** 313.86  
**Appearance:** White solid **Observed mp:** 221.5 - 222.1 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (9:1) NH<sub>3</sub> silica  
**Chemical Purity:** 99.8%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 65.05, H 8.99, N 4.46; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.0	89.2	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 1-6-2021

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**