



Certificate of Analysis

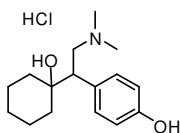
Axon Catalogue ID: 3555 **Batch Number:** 1

Product Name: Desvenlafaxine hydrochloride

Alternative Name(s): O-Desmethylvenlafaxine hydrochloride; DVS 233 hydrochloride

IUPAC Name: 4-(2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl)phenol hydrochloride

Structure:



Amount:

CAS number(s): 93413-62-8 (parent), 300827-87-6 (HCl (1:1))

Molecular Formula: C₁₆H₂₅NO₂.HCl **Molecular Weight:** 299.84

Batch Molecular Formula: C₁₆H₂₅NO₂.HCl.0.25H₂O **Batch Molecular Weight:** 304.34

Appearance: White solid **Observed mp:** 88.5 - 92.8°C

TLC (R_f): 0.3 DCM/MeOH/NH₃ (9:1:0.1)

Chemical Purity: 100%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 63.14, H 8.78, N 4.60; Found: C 62.81, H 9.03, N 4.65

Storage Conditions: Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	30.4	>100 mM	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	30.4	>100 mM	
EtOH	30.4	>100 mM	

Remarks: Hygroscopic; Suspected to be thermally unstable

QC Date: 25-2-2022

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only