



Certificate of Analysis

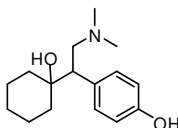
Axon Catalogue ID: 3578 **Batch Number:** 1

Product Name: O-Desmethylvenlafaxine

Alternative Name(s): Desvenlafaxine; DVS 233

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

Structure:



Amount:

CAS number(s): 93413-62-8

Molecular Formula: C₁₆H₂₅NO₂

Molecular Weight: 263.38

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Appearance: Pale-yellow solid

Observed mp: >222 °C (decomp)

TLC (R_f): 0.18 DCM/MeOH (9:1)

Chemical Purity: 99.7%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 72.96, H 9.57, N 5.32; Found: C 72.74, H 9.97, N 5.21

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	8.8	33.4	* Warming (40°C)
	DMSO	12.8	48.6	* Warming (40°C)
	EtOH	4.6	17.5	* Warming (40°C)

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 4-1-2022

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