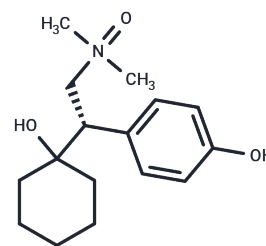


(S)-O-Desmethyl Venlafaxine N-Oxide

Chemical Properties

CAS No. :	1021934-03-1
Formula:	C ₁₆ H ₂₅ NO ₃
Molecular Weight:	279.37
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	(S)-O-Desmethyl Venlafaxine N-Oxide, an N-oxide derivative of (S)-O-Desmethyl Venlafaxine, is an active metabolite of the serotonin-norepinephrine reuptake inhibitor (SNRI) antidepressant Venlafaxine[1][2].
Targets(IC50)	Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5795 mL	17.8974 mL	35.7948 mL
5 mM	0.7159 mL	3.5795 mL	7.159 mL
10 mM	0.3579 mL	1.7897 mL	3.5795 mL
50 mM	0.0716 mL	0.3579 mL	0.7159 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lechoslaw A. Turski, et al. N-oxydes de venlafaxine et de o-desméthylvenlafaxine comme promédicaments. WO2009000797A1.

Yijin Liu, et al. Development of an enantioselective assay for simultaneous separation of venlafaxine and O-desmethylvenlafaxine by micellar electrokinetic chromatography-tandem mass spectrometry: Application to the analysis of drug-drug interaction. J Chromatogr A. 2015 Nov 13;1420:119-28.

F P Bymaste, et al. Comparative affinity of duloxetine and venlafaxine for serotonin and norepinephrine transporters in vitro and in vivo, human serotonin receptor subtypes, and other neuronal receptors. Neuropsychopharmacology. 2001 Dec;25(6):871-80.

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