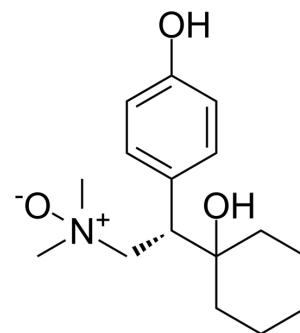


(S)-O-Desmethyl Venlafaxine N-Oxide

Cat. No.:	HY-131254
CAS No.:	1021934-03-1
Molecular Formula:	C ₁₆ H ₂₅ NO ₃
Molecular Weight:	279.37
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(S)-O-Desmethyl Venlafaxine N-Oxide is a N-oxyde of (S)-O-Desmethyl Venlafaxine. O-Desmethyl Venlafaxine is an active metabolite of Venlafaxine^[1]. Venlafaxine (HY-B0196) is an antidepressant of the serotonin-norepinephrine reuptake inhibitor (SNRI) class^[2].

REFERENCES

- [1]. 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.
- [2]. 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.
- [3]. Lechoslaw A. Turski, et al. N-oxydes de venlafaxine et de o-desméthylvenlafaxine comme promédicaments. WO2009000797A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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