
Product Data Sheet

Product Name: (S)-(+)-O-Desmethyl Venlafaxine

Cat. No.: GC60414

Chemical Properties

Cas. No. 142761-12-4

SMILES OC1([C@@H](C2=CC=C(O)C=C2)CN(C)C)CCCCC1Formula $C_{16}H_{25}NO_2$ M.Wt 263.38

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

(S)-(+)-O-Desmethyl Venlafaxine is a S-enantiomer of O-Desmethyl Venlafaxine. O-Desmethyl Venlafaxine is an active metabolite of Venlafaxine[1]. Venlafaxine is an antidepressant of the serotonin-norepinephrine reuptake inhibitor (SNRI) class[2].

[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.

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

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