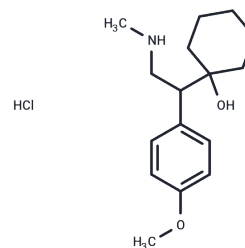


**(±)-N-desmethyl Venlafaxine hydrochloride****Chemical Properties**

CAS No. :	93413-90-2
Formula:	C <sub>16</sub> H <sub>26</sub> ClNO <sub>2</sub>
Molecular Weight:	299.84
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>

**Biological Description**

Description	(±)-N-desmethyl Venlafaxine, a minor active metabolite of venlafaxine, serves as a selective norepinephrine and serotonin reuptake inhibitor (SNRI). Generated through the metabolization by the cytochrome P450 (CYP) isoform CYP3A4, it exhibits reuptake inhibition of norepinephrine and serotonin in rat synaptosome preparations, demonstrated by IC <sub>50</sub> values of 4.7 and 1.6 μM, respectively. Clinically, it has been shown to counteract reserpine-induced hypothermia in mice, displaying efficacy at a minimum effective dose (MED) of 10 mg/kg.
Targets(IC50)	Others,Serotonin Transporter

**Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	3.3351 mL	16.6756 mL	33.3511 mL
5 mM	0.667 mL	3.3351 mL	6.6702 mL
10 mM	0.3335 mL	1.6676 mL	3.3351 mL
50 mM	0.0667 mL	0.3335 mL	0.667 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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