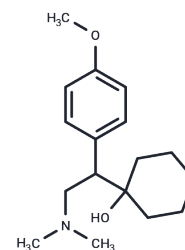


## Venlafaxine

## Chemical Properties

CAS No. :	93413-69-5
Formula:	C <sub>17</sub> H <sub>27</sub> NO <sub>2</sub>
Molecular Weight:	277.4
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Venlafaxine (Wy 45030), an arylalkanolamine serotonin-norepinephrine reuptake inhibitor (SNRI), is used to treat major generalised anxiety disorder (GAD), depressive disorder (MDD), panic disorder and social phobia.
Targets(IC50)	Serotonin Transporter

## Solubility Information

Solubility	DMSO: 245 mg/mL (883.2 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6049 mL	18.0245 mL	36.049 mL
5 mM	0.721 mL	3.6049 mL	7.2098 mL
10 mM	0.3605 mL	1.8025 mL	3.6049 mL
50 mM	0.0721 mL	0.3605 mL	0.721 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

Singh J . Venlafaxine: more dangerous than most "selective" serotonergic antidepressants.[J]. prescrire international, 2016, 25(170):96.

Wang J L, Wang Y, Gao T T, et al. Venlafaxine protects against chronic stress-related behaviors in mice by activating the mTORC1 signaling cascade. Journal of Affective Disorders. 2020, 276: 525-536.

Wang J L, Wang Y, Gao T T, et al. Venlafaxine protects against chronic stress-related behaviors in mice by activating the mTORC1 signaling cascade[J]. Journal of Affective Disorders. 2020, 276: 525-536.

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

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481