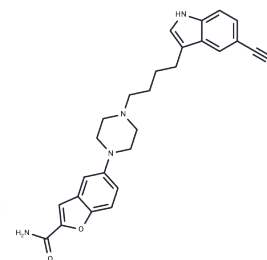


Vilazodone

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 163521-12-8 |
| Formula: | C ₂₆ H ₂₇ N ₅ O ₂ |
| Molecular Weight: | 441.52 |
| 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 | Vilazodone (SB659746A) is a selective serotonin (5-HT) reuptake inhibitor (SSRI) and a 5-HT-1A receptor partial agonist, with antidepressant and anti-anxiety activities. Vilazodone inhibits the reuptake of serotonin from the synaptic cleft while stimulating the release of 5-HT into the synaptic cleft. This increases the concentration of 5-HT in the synaptic cleft and potentiates serotonergic neurotransmission in the central nervous system. |
| Targets(IC50) | 5-HT Receptor, Serotonin Transporter |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 68.57 mg/mL (155.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.53 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 2.2649 mL | 11.3245 mL | 22.649 mL |
| 5 mM | 0.453 mL | 2.2649 mL | 4.5298 mL |
| 10 mM | 0.2265 mL | 1.1325 mL | 2.2649 mL |
| 50 mM | 0.0453 mL | 0.2265 mL | 0.453 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

Page ME, et al. J Pharmacol Exp Ther. 2002 Sep;302(3):1220-7.

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