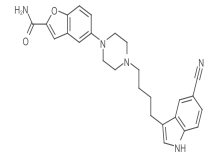


## Data Sheet (Cat.No.T1279)

### Vilazodone

#### Chemical Properties

CAS No.:	163521-12-8
Formula:	C <sub>26</sub> H <sub>27</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	441.53
Appearance:	Solid
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



#### Biological Description

Description	Vilazodone 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(IC <sub>50</sub> )	5-HT: None Sert (Sodium-dependent): None

#### Solubility Information

Solubility	DMSO: 80 mg/mL (181.2 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.265 mL	11.324 mL	22.649 mL
5 mM	0.453 mL	2.265 mL	4.53 mL
10 mM	0.226 mL	1.132 mL	2.265 mL
50 mM	0.045 mL	0.226 mL	0.453 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

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

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