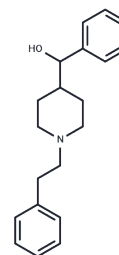


## Glemanserin

## Chemical Properties

CAS No. :	107703-78-6
Formula:	C <sub>20</sub> H <sub>25</sub> NO
Molecular Weight:	295.42
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	Glemanserin (MDL11939) is a specific 5-HT <sub>2A</sub> antagonist with K <sub>i</sub> values of 0.54 nM, 2.5 nM and 2.89 nM for rabbit, human and rat 5-HT <sub>2A</sub> .
Targets(IC <sub>50</sub> )	5-HT Receptor, Serotonin Transporter
In vivo	Intracortical administration of Glemanserin attenuates dopamine release induced by systemic administration of the 5-HT <sub>2</sub> agonist DOI. Glemanserin suppresses Morphine-induced increase in withdrawal symptoms, locomotor activity, and behavioral sensitization in mice[1].

## Solubility Information

Solubility	DMSO: 6 mg/mL (20.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.385 mL	16.9251 mL	33.8501 mL
5 mM	0.677 mL	3.385 mL	6.770 mL
10 mM	0.3385 mL	1.6925 mL	3.385 mL
50 mM	0.0677 mL	0.3385 mL	0.677 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

Pehek EA, et al. Evidence for the preferential involvement of 5-HT<sub>2A</sub> serotonin receptors in stress- and drug-induced dopamine release in the rat medial prefrontal cortex. *Neuropsychopharmacology*. 2006;31(2):265-277.

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