Glemanserin

Cat. No.: HY-101250

CAS No.: 107703-78-6

Molecular Formula: $C_{20}H_{25}NO$

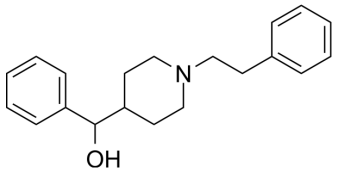
Molecular Weight: 295.42

Target: Serotonin Transporter

Pathway: Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (338.50 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.3850 mL	16.9251 mL	33.8501 mL
	5 mM	0.6770 mL	3.3850 mL	6.7700 mL
	10 mM	0.3385 mL	1.6925 mL	3.3850 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Glemanserin (MDL11939) is a potent and selective antagonist for serotonin receptor 5-HT_{2A} (K_i=2.89, 0.54 and 2.5 nM for rat 5-HT_{2A}, rabbit 5-HT_{2A} and human 5-HT_{2A}, respectively)[1][2].

In Vivo

Glemanserin (MDL11939) suppresses the induced increase in locomotor activity, behavioral sensitization and withdrawal symptoms in male mice[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pehek EA, et al. Evidence for the preferential involvement of 5-HT2A serotonin receptors in stress- and drug-induced dopamine release in the rat medial prefrontal cortex. Neuropsychopharmacology. 2006;31(2):265-277.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA