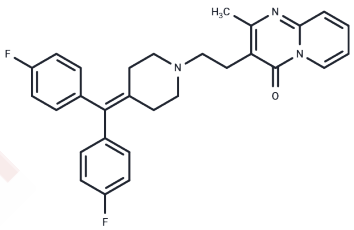
Data Sheet (Cat.No.T68141)

TargetMol

Seganserin

Chemical Properties



CAS No. : 87729-89-3

Formula: C29H27F2N3O

Molecular Weight: 471.54

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	Seganserin, a non-selective 5-hydroxytryptamine 2-HT receptor antagonist, reversed the inhibitory effects of fluoxetine and quipazine on luteinizing hormone-induced hyperphagia, depression and nociception, and reversed the antidepressant and analgesic effects induced by fluoxetine and quipazine.
Targets(IC50)	5-HT Receptor
In vivo	Seganserin (2 mg/kg, i.p.; mice), a 5-HT(2) receptor antagonist pretreatment significantly reversed fluoxetine and quipazine-induced antidepressant and analgesic effects.[2] Seganserin (2 mg/kg, i.p.; mice), significantly reversed the suppressive effect of fluoxetine and quipazine on progesterone-induced hyperphagia, depression, and algesia in the hot-plate test.[2]

Solubility Information

Solubility	DMSO: 62.5 mg/mL (132.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 6.25 mg/mL (13.25 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 6.25 mg/mL (13.25 mM),Solution. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1207 mL	10.6036 mL	21.2071 mL
5 mM	0.4241 mL	2.1207 mL	4.2414 mL
10 mM	0.2121 mL	1.0604 mL	2.1207 mL
50 mM	0.0424 mL	0.2121 mL	0.4241 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

Ninan I, et al. 5-HT2A receptor antagonists block MK-801-induced stereotypy and hyperlocomotion. Eur J Pharmacol. 1998;358(2):111-116.
Kaur G, et al. Evidence for serotonergic modulation of progesterone-induced hyperphagia, depression and algesia in female mice. Brain Res. 2002;943(2):206-215.
Naidu PS,et al. Effect of 5-HT1A and 5-HT2A/2C receptor modulation on neuroleptic-induced vacuous chewing movements. Eur J Pharmacol. 2001;428(1):81-86.