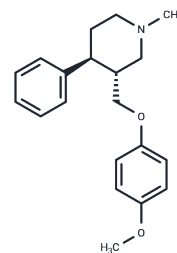


Femoxetine

Chemical Properties

CAS No. :	59859-58-4
Formula:	C ₂₀ H ₂₅ NO ₂
Molecular Weight:	311.42
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Femoxetine is a 5-HT inhibitor with antidepressant activity that potentiates morphine-induced anti-injury feelings and inhibits MAO-A and MAO-B required for the production of high exercise capacity in mice.
Targets(IC50)	MAO,5-HT Receptor
In vivo	In 11 patients, Femoxetine (300 mg; daily) decreased blood serotonin from 0.17 +/- 0.06 microgram/ml (mean +/- SD) to 0.06 +/- 0.02 microgram/ml. In 8 patients treated with 300 mg femoxetine daily for 12 weeks, 14C-serotonin uptake into platelets in vitro was reduced significantly. Unlike most drugs used in migraine prophylaxis, femoxetine did not influence platelet aggregation in vitro.[3]

Solubility Information

Solubility	DMSO: 50 mg/mL (160.55 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	3.2111 mL	16.0555 mL	32.111 mL
5 mM	0.6422 mL	3.2111 mL	6.4222 mL
10 mM	0.3211 mL	1.6055 mL	3.2111 mL
50 mM	0.0642 mL	0.3211 mL	0.6422 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

- Warrington SJ, et al. Cardiovascular (ECG and systolic time intervals) and anticholinergic effects of repeated doses of femoxetine--a comparison with amitriptyline and placebo in healthy men. *Br J Clin Pharmacol.* 1989;27(3):343-35
- Schmidt J, et al. Femoxetine and cimetidine: interaction in healthy volunteers. *Eur J Clin Pharmacol.* 1986;31(3):299-30
- Dalsgaard-Nielsen J, et al. Changes in platelet function and blood serotonin level in migraine patients during treatment with femoxetine. *Acta Neurol Scand.* 1982;66(2):191-198.

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