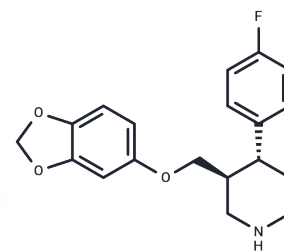


Paroxetine

Chemical Properties

CAS No. :	61869-08-7
Formula:	C ₁₉ H ₂₀ FNO ₃
Molecular Weight:	329.37
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Paroxetine is a inhibitor of serotonin uptake that is effective in the treatment of depression.
Targets(IC50)	Apoptosis,Adrenergic Receptor,P2X Receptor,Serotonin Transporter

Solubility Information

Solubility	DMSO: 60 mg/mL (182.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.07 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0361 mL	15.1805 mL	30.361 mL
5 mM	0.6072 mL	3.0361 mL	6.0722 mL
10 mM	0.3036 mL	1.518 mL	3.0361 mL
50 mM	0.0607 mL	0.3036 mL	0.6072 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

Cipriani A , Furukawa T A , Veronese A , et al. Paroxetine versus other anti-depressive agents for depression[J]. Cochrane Database of Systematic Reviews, 2007.

Cai X M, Sun X Y, Li R, et al. The hippocampal Salt-Inducible Kinase 2-CREB-Regulated Transcription Co-activator 1 system mediates the antidepressant actions of paroxetine in mice. Behavioural Brain Research. 2024: 114972.

Anick Bérard, Iessa N , Chaabane S , et al. The risk of major cardiac malformations associated with paroxetine use during the first trimester of pregnancy: a systematic review and meta-analysis[J]. Br J Clin Pharmacol, 2016, 81(4).

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