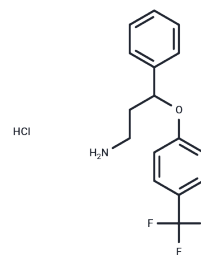


Norfluoxetine Hydrochloride

Chemical Properties

CAS No. :	57226-68-3
Formula:	C ₁₆ H ₁₇ ClF ₃ NO
Molecular Weight:	331.76
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	Norfluoxetine Hydrochloride (Norfluoxetine HCl) is an active metabolite of fluoxetine. Fluoxetine is an antidepressant drug.
Targets(IC50)	Others, Calcium Channel, 5-HT Receptor, Drug Metabolite

Solubility Information

Solubility	DMSO: 150 mg/mL (452.13 mM), Sonication is recommended. H ₂ O: 4 mg/mL (12.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (30.14 mM), Solution. <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	3.0142 mL	15.0711 mL	30.1423 mL
5 mM	0.6028 mL	3.0142 mL	6.0285 mL
10 mM	0.3014 mL	1.5071 mL	3.0142 mL
50 mM	0.0603 mL	0.3014 mL	0.6028 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

- Shi S, Liu Y, Wu J, Li Z, Zhao Y, Zhong D, Zeng F. Comparative bioavailability and tolerability of a single 20-mg dose of two fluoxetine hydrochloride dispersible tablet formulations in fasting, healthy Chinese male volunteers: an open-label, randomized-sequence, two-period crossover study. *Clin Ther.* 2010 Oct;32(11):1977-86.
- Keller T, Cambon N, Genevray M, Crivelli F, Crivelli M, Dal BL, Mazzucchelli P, Ismaili S, Marzo A. Bioequivalence study of fluoxetine hydrochloride in healthy volunteers. *Arzneimittelforschung.* 2005;55(9):491-7.
- Pohland RC, Bernhard NR. Postmortem serum and tissue redistribution of fluoxetine and norfluoxetine in dogs following oral administration of fluoxetine hydrochloride (Prozac). *J Forensic Sci.* 1997 Sep;42(5):812-6.
- Spencer MJ. Fluoxetine hydrochloride (Prozac) toxicity in a neonate. *Pediatrics.* 1993 Nov;92(5):721-2.

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