

Norfluoxetine Hydrochloride

Chemical Properties

CAS No.:	57226-68-3
Formula:	C ₁₆ H ₁₇ ClF ₃ NO
Molecular Weight:	331.76
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Norfluoxetine hydrochloride is an active metabolite of fluoxetine. Fluoxetine is an antidepressant drug.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.014 mL	15.071 mL	30.142 mL
5 mM	0.603 mL	3.014 mL	6.028 mL
10 mM	0.301 mL	1.507 mL	3.014 mL
50 mM	0.060 mL	0.301 mL	0.603 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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. doi: 10.1016/j.clinthera.2010.10.003. PubMed PMID: 21095492.
2. 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. PubMed PMID: 16229112.
3. 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. PubMed PMID: 9304827.
4. Spencer MJ. Fluoxetine hydrochloride (Prozac) toxicity in a neonate. *Pediatrics*. 1993 Nov;92(5):721-2. PubMed PMID: 8414864.

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