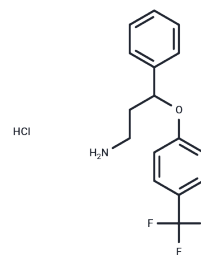


Norfluoxetine Hydrochloride

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) |
|------------|--|

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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