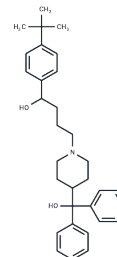


Terfenadine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 50679-08-8 |
| Formula: | C32H41NO2 |
| Molecular Weight: | 471.67 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i> |



Biological Description

| | |
|---------------|---|
| Description | Terfenadine ((±)-Terfenadine) is a prodrug metabolized by intestinal CYP3A4 into fexofenadine, an active selective histamine H1-receptor antagonist that possesses antihistaminic and non-sedative effects. |
| Targets(IC50) | Apoptosis, 5-HT Receptor, Caspase, AChR, Histamine Receptor, Na ⁺ /Ca ²⁺ Exchanger, Potassium Channel |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 47.2 mg/mL (100.07 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 (4.24 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 | 2.1201 mL | 10.6006 mL | 21.2013 mL |
| 5 mM | 0.424 mL | 2.1201 mL | 4.2403 mL |
| 10 mM | 0.212 mL | 1.0601 mL | 2.1201 mL |
| 50 mM | 0.0424 mL | 0.212 mL | 0.424 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

Kishimoto W, et al. Res Commun Mol Pathol Pharmacol. 1997 Dec;98(3):273-92.

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