

Efetirizine

Chemical Properties

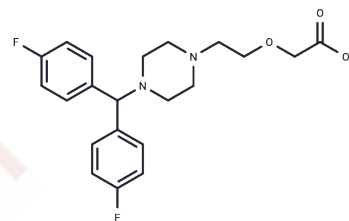
CAS No. : 150756-35-7

Formula: C₂₁H₂₄F₂N₂O₃

Molecular Weight: 390.42

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Efetirizine (UCB-28754) is a histamine receptor antagonist with inhibitory effects on the enzyme 5-lipoxygenase (5-LO), and is useful in the topical treatment of allergic diseases.
Targets(IC50)	Histamine Receptor,Lipoxygenase

Solubility Information

Solubility	DMSO: 60 mg/mL (153.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5613 mL	12.8067 mL	25.6134 mL
5 mM	0.5123 mL	2.5613 mL	5.1227 mL
10 mM	0.2561 mL	1.2807 mL	2.5613 mL
50 mM	0.0512 mL	0.2561 mL	0.5123 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

- Coe RA, et al. Quantitation of efletirizine in human plasma and urine using automated solid-phase extraction and column-switching high-performance liquid chromatography. *J Chromatogr B Biomed Sci Appl.* 1999 Jul 9;730(2): 239-47.
- Salmun LM. Antihistamines in late-phase clinical development for allergic disease. *Expert Opin Investig Drugs.* 2002 Feb;11(2):259-73.
- Lewis TA, et al. Cetirizine and loratadine-based antihistamines with 5-lipoxygenase inhibitory activity. *Bioorg Med Chem Lett.* 2004 Nov 15;14(22):5591-4.

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