

Cetirizine-D4 dihydrochloride

Chemical Properties

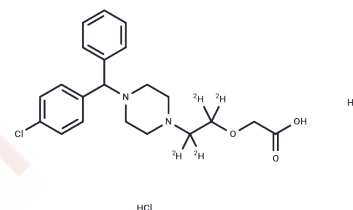
CAS No. :

Formula: C₂₁H₂₃D₄Cl₃N₂O₃

Molecular Weight: 465.83

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

Cetirizine-D4 dihydrochloride is a deuterium-labeled Cetirizine dihydrochloride (T0089). Cetirizine is a second-generation antihistamine and a long-acting histamine H₁-receptor antagonist.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1467 mL	10.7335 mL	21.4671 mL
5 mM	0.4293 mL	2.1467 mL	4.2934 mL
10 mM	0.2147 mL	1.0734 mL	2.1467 mL
50 mM	0.0429 mL	0.2147 mL	0.4293 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

Caroline M. Spencer, et al. Cetirizine. *Drugs* 46 (6): 1055-1080, 1993.

Shih MY, et al. Influence of cetirizine and levocetirizine on two cytokines secretion in human airway epithelial cells. *Allergy Asthma Proc.* 2008 Sep-Oct;29(5):480-5.

Shimizu T, et al. Cetirizine, an H₁-receptor antagonist, suppresses the expression of macrophage migration inhibitory factor: its potential anti-inflammatory action. *Clin Exp Allergy.* 2004 Jan;34(1):103-9.

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