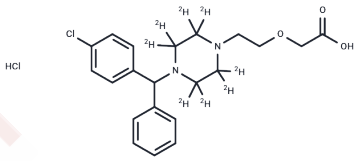
Data Sheet (Cat.No.T19234)

TargetMol

Cetirizine-D8 dihydrochloride

Chemical Properties



CAS No. : 2070015-04-0

Formula: C21H26Cl2N2O3

Molecular Weight: 433.4

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-D8 dihydrochloride is a deuterium-labeled Cetirizine dihydrochloride (TMSM-0681). Cetirizine is a second-generation antihistamine and a long-acting histamine H1-receptor antagonist.
Targets(IC50)	Histamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3073 mL	11.5367 mL	23.0734 mL
5 mM	0.4615 mL	2.3073 mL	4.6147 mL
10 mM	0.2307 mL	1.1537 mL	2.3073 mL
50 mM	0.0461 mL	0.2307 mL	0.4615 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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