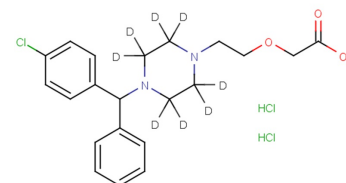


Cetirizine D8 dihydrochloride

Chemical Properties

CAS No.:	2070015-04-0
Formula:	C ₂₁ H ₁₉ D ₈ Cl ₃ N ₂ O ₃
Molecular Weight:	469.86
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Cetirizine D8 dihydrochloride is a deuterium-labeled Cetirizine. Cetirizine is a second-generation antihistamine and a long-acting histamine H ₁ -receptor antagonist.
Targets(IC ₅₀)	H ₁ receptor: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.128 mL	10.641 mL	21.283 mL
5 mM	0.426 mL	2.128 mL	4.257 mL
10 mM	0.213 mL	1.064 mL	2.128 mL
50 mM	0.043 mL	0.213 mL	0.426 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

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.

Inhibitors · Natural Compounds · Compound Libraries

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