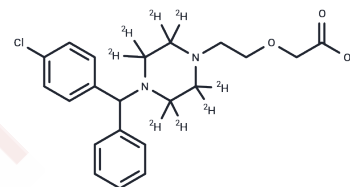


## Cetirizine-D8

## Chemical Properties

CAS No. :	774596-22-4
Formula:	C <sub>21</sub> H <sub>25</sub> ClN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	396.94
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 is a deuterium-labeled Cetirizine. Cetirizine (T0089L) is a second-generation antihistamine and a long-acting histamine H <sub>1</sub> -receptor antagonist.
Targets(IC <sub>50</sub> )	Histamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5193 mL	12.5964 mL	25.1927 mL
5 mM	0.5039 mL	2.5193 mL	5.0385 mL
10 mM	0.2519 mL	1.2596 mL	2.5193 mL
50 mM	0.0504 mL	0.2519 mL	0.5039 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 H<sub>1</sub>-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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