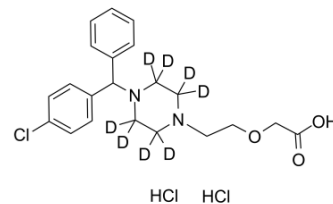


## Cetirizine D8 dihydrochloride

Cat. No.:	HY-17042AS1
CAS No.:	2070015-04-0
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> D <sub>8</sub> Cl <sub>3</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	469.86
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Cetirizine D8 dihydrochloride is a deuterium labeled Cetirizine. Cetirizine, a second-generation antihistamine and the carboxylated metabolite of hydroxyzine, is a specific, orally active and long-acting histamine H1-receptor antagonist. Cetirizine marks antiallergic properties and inhibits eosinophil chemotaxis during the allergic response<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Caroline M. Spencer, et al. Cetirizine. *Drugs* 46 (6): 1055-1080, 1993.
- [2]. 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.
- [3]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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