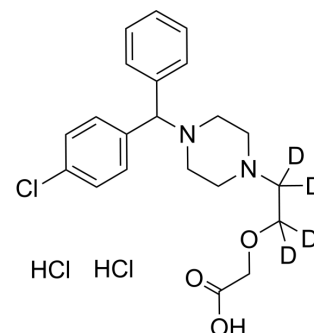


Cetirizine-d₄ dihydrochloride

Cat. No.:	HY-17042AS
Molecular Formula:	C ₂₁ H ₂₃ D ₄ Cl ₃ N ₂ O ₃
Molecular Weight:	465.83
Target:	Histamine Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cetirizine-d ₄ (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 H ₁ -receptor antagonist. Cetirizine marks antiallergic properties and inhibits eosinophil chemotaxis during the allergic response[1][2][3].
IC₅₀ & Target	H ₁ Receptor

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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