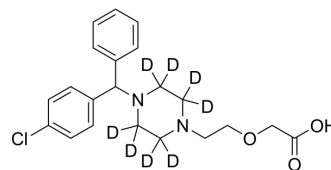


Cetirizine-d₈

Cat. No.:	HY-17042S1		
CAS No.:	774596-22-4		
Molecular Formula:	C ₂₁ H ₁₇ D ₈ ClN ₂ O ₃		
Molecular Weight:	396.94		
Target:	Histamine Receptor		
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Cetirizine-d₈ 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 anti-allergic properties and inhibits eosinophil chemotaxis during the allergic response[1][2][3].

IC₅₀ & Target

H₁ 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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