Cetirizine-d_4

Cat. No.: HY-17042S

CAS No.: 1219803-84-5

Molecular Formula: $C_{21}H_{21}D_4ClN_2O_3$

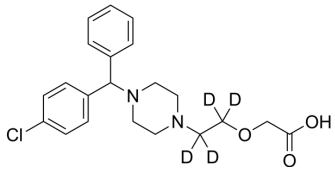
Molecular Weight: 392.91

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-d_4 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[1][2][3].
IC_{50} & 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.

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