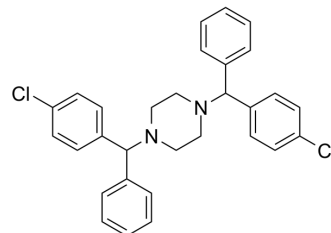


Cetirizine Impurity D

Cat. No.:	HY-100661
CAS No.:	346451-15-8
Molecular Formula:	C ₃₀ H ₂₈ Cl ₂ N ₂
Molecular Weight:	487.46
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 Impurity D is an impurity of Cetirizine. Cetirizine, a second-generation antihistamine, 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]}.

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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