



LKT Laboratories, Inc.
Levocetirizine Dihydrochloride

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Product Information

Product ID L1780

CAS No. 130018-87-0

Chemical Name Acetic acid, (2-(4-((R)-(4-chlorophenyl)phenylmethyl)-1-piperazinyl)ethoxy)- hydrochloride

Synonym (-)-Cetirizine, Xusal, Xyzal

Formula C₂₁H₂₅ClN₂O₃ • 2HCl

Formula Wt. 461.81

Melting Point 215-220 °C

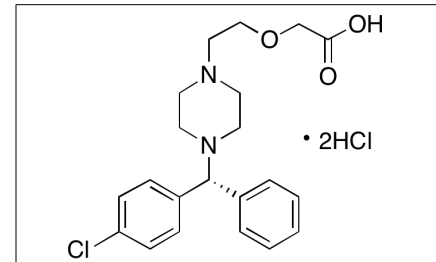
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Levocetirizine is the L-isomer of cetirizine, a second-generation histamine H1 receptor antagonist. Levocetirizine exhibits anti-allergic, anti-inflammatory, and immunomodulatory activities. In animal models of allergic conjunctivitis, levocetirizine decreases levels of lipoxin A4, TNF- α , TGF-B, and antigen presenting cells (APCs) and increases levels of IL-10. Additionally, this compound increases levels of CD4+ CD25+ T cells and decreases levels of eosinophils, decreasing allergy symptoms in clinical settings.



Bulk quantities available upon request

Product ID	Size
L1780	1 g
L1780	5 g
L1780	25 g

References García-Zepeda S, Estrada-Muñiz E, Elizondo G, et al. Levocetirizine inhibits migration of immune cells to lymph nodes and induces treg cells in a murine type I allergic conjunctivitis model. *Open Ophthalmol J.* 2012;6:129-36. PMID: 23284599.

Mahmoud F, Arifhodzic N, Haines D, et al. Levocetirizine modulates lymphocyte activation in patients with allergic rhinitis. *J Pharmacol Sci.* 2008 Oct;108(2):149-56. PMID: 18946193.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.