



# 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**  $C_{21}H_{25}ClN_2O_3 \cdot 2HCl$

**Formula Wt.** 461.81

**Melting Point** 215-220°C

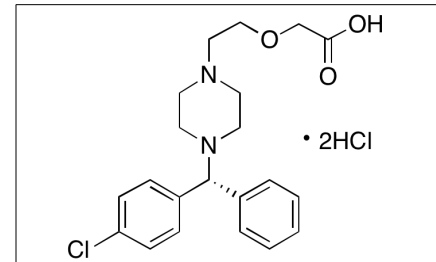
**Purity** ≥98%

**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- $\alpha$ , 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.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
L1780	1 g	\$58.00
L1780	5 g	\$120.40
L1780	25 g	\$463.20

**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.