



# LKT Laboratories, Inc.

## Olopatadine Hydrochloride

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### Product Information

Product ID O4658

CAS No. 140462-76-6

Chemical Name

Synonym

Formula  $C_{21}H_{23}NO_3 \cdot HCl$

Formula Wt. 373.87

Melting Point 245-248°C

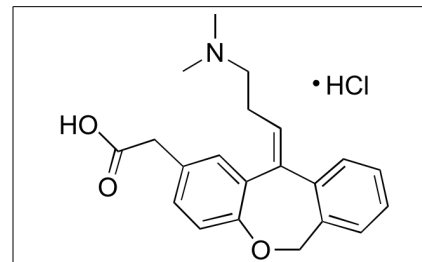
Purity ≥99%

Solubility H<sub>2</sub>O: ≥20 mg/mL  
DMSO: 37mg/ml

Store Temp Ambient

Ship Temp Ambient

**Description** Olopatadine hydrochloride is an antihistamine clinically used to treat allergic rhinitis and allergic conjunctivitis. This compound acts as a mast cell stabilizer, preventing histamine and TNF-α release from mast cells. Olopatadine is also an antagonist at histamine H<sub>1</sub>/2/3 receptors, although it is selective primarily for H<sub>1</sub> receptors over other subtypes. Additionally, olopatadine suppresses allergy-related increases in substance P, NGF, and VEGF.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
O4658	10 mg	\$42.70
O4658	25 mg	\$85.70
O4658	100 mg	\$235.50

**References** Tamura T. Olopatadine ophthalmic solution suppresses substance P release in the conjunctivitis models. *Asia Pac Allergy*. 2012 Apr;2(2):115-21. PMID: 22701861.

Tamura T. Investigation of the antiallergic activity of olopatadine on rhinitis induced by intranasal instillation of antigen in sensitized rats using thermography. *Asia Pac Allergy*. 2011 Oct;1(3):138-44. PMID: 22053310.

Roland PS, Ryan MW, Wall GM. Olopatadine nasal spray for the treatment of seasonal allergic rhinitis in patients aged 6 years and older. *Expert Opin Pharmacother*. 2010 Jun;11(9):1559-67. PMID: 20482305.

Leonardi A, Quintieri L. Olopatadine: a drug for allergic conjunctivitis targeting the mast cell. *Expert Opin Pharmacother*. 2010 Apr;11(6):969-81. PMID: 20307221.

Sharif NA, Xu SX, Yanni JM. Olopatadine (AL-4943A): ligand binding and functional studies on a novel, long acting H<sub>1</sub>-selective histamine antagonist and anti-allergic agent for use in allergic conjunctivitis. *J Ocul Pharmacol Ther*. 1996 Winter;12(4):401-7. PMID: 8951676.

Yanni JM, Stephens DJ, Miller ST, et al. The in vitro and in vivo ocular pharmacology of olopatadine (AL-4943A), an effective anti-allergic/antihistaminic agent. *J Ocul Pharmacol Ther*. 1996 Winter;12(4):389-400. PMID: 8951675.

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