



LKT Laboratories, Inc.

Olopatadine Hydrochloride

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Product Information

Product ID O4658
CAS No. 140462-76-6
Chemical Name

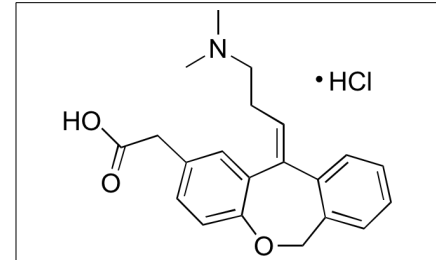
Synonym

Formula $C_{21}H_{23}NO_3 \cdot HCl$
Formula Wt. 373.87
Melting Point 245-248 °C
Purity $\geq 99\%$
Solubility H₂O: ≥ 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 H₁/2/3 receptors, although it is selective primarily for H₁ receptors over other subtypes. Additionally, olopatadine suppresses allergy-related increases in substance P, NGF, and VEGF.



Bulk quantities available upon request

Product ID	Size
O4658	10 mg
O4658	25 mg
O4658	100 mg

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 H₁-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.