



LKT Laboratories, Inc.

Loratadine

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Product Information

Product ID L5767

CAS No. 79794-75-5

Chemical Name 4-(8-Chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta-[1,2-b]pyridin-11-ylidene)-1-piperidinecarboxylic acid ethyl ester

Synonym Claritin, Lisino

Formula C₂₂H₂₃ClN₂O₂

Formula Wt. 382.88

Melting Point 134-136 °C

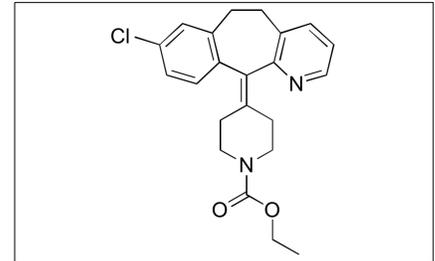
Purity ≥98%

Solubility Soluble in DMSO (26mg/mL). Insoluble in water.

Store Temp Ambient

Ship Temp Ambient

Description Loratadine is a non-sedating antihistaminergic that acts as an antagonist at histamine H1 receptors that exhibits anti-inflammatory, anti-allergic, anti-asthma, and anticancer chemotherapeutic activities. Loratadine is clinically used to treat allergic rhinitis, chronic idiopathic urticaria, and asthma. In vivo, loratadine inhibits growth of colon cancer xenografts through decreases expression of cyclin B1 and Chk1, the induction of G2/M phase cell cycle arrest, and direct damage to DNA. Loratadine also acts as a functional inhibitor of acid sphingomyelinase (FIASMA).



Bulk quantities available upon request

Product ID	Size
L5767	500 mg
L5767	1 g
L5767	5 g

References Soule BP, Simone NL, DeGraff WG, et al. Loratadine dysregulates cell cycle progression and enhances the effect of radiation in human tumor cell lines. *Radiat Oncol.* 2010 Feb 3;5:8. PMID: 20128919.

DuBuske LM. Review of desloratadine for the treatment of allergic rhinitis, chronic idiopathic urticaria and allergic inflammatory disorders. *Expert Opin Pharmacother.* 2005 Nov;6(14):2511-23. PMID: 16259582.

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