



LKT Laboratories, Inc.

Cetirizine Dihydrochloride

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID C1876
CAS No. 83881-52-1
Chemical Name 2-[2-[4-[(4-chlorophenyl)-phenyl-methyl]piperazin-1-yl]ethoxy]acetic acid

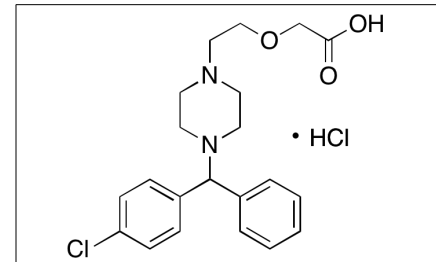
Synonym

Formula $C_{21}H_{25}ClN_2O_3 \cdot 2HCl$
Formula Wt. 461.82
Melting Point 210-218 °C
Purity ≥99%
Solubility Soluble in water & Methanol

Store Temp Ambient

Ship Temp Ambient

Description Cetirizine is a second generation antihistamine that exhibits anti-inflammatory, immunomodulatory, and anti-allergic activities. Cetirizine inhibits histamine H1 receptors and is used to treat dermatitis in clinical settings. In vitro, cetirizine inhibits DNA binding activity of NF- κ B, inhibits expression of adhesion molecules on immunocytes and endothelial cells, and inhibits production of IL-8 and leukotriene B4 (LTB4); this compound also increases release of prostaglandin E2 (PGE2), which suppresses antigen presentation and expression of MHC II on macrophages and decreases tryptase in mast cells.



Bulk quantities available upon request

Product ID	Size
C1876	1 g
C1876	5 g
C1876	10 g
C1876	25 g

References Namazi MR. Cetirizine and allopurinol as novel weapons against cellular autoimmune disorders. *Int Immunopharmacol.* 2004 Mar;4(3):349-53. PMID: 15037212.

Bruno G, Andreozzi P, Magrini L, et al. Serum tryptase in allergic rhinitis: effect of cetirizine treatment. *Int J Immunopathol Pharmacol.* 2001 Sep-Dec;14(3):147-152. PMID: 12604015.

Slater JW, Zechnich AD, Haxby DG. Second-generation antihistamines: a comparative review. *Drugs.* 1999 Jan;57(1):31-47. PMID: 9951950.

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