



LKT Laboratories, Inc.

Hydroxyzine Dihydrochloride

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

Product Information

Product ID H9717

CAS No. 2192-20-3

Chemical Name Ethanol, 2-(2-(4-((4-chlorophenyl)phenylmethyl)-1-piperazinyl)ethoxy)-, dihydrochloride

Synonym Alamon, Atarax, Aterax, Durrax, Orgatrx, Quiess, Vistaril Parental.

Formula $C_{21}H_{27}ClN_2O_2 \cdot 2HCl$

Formula Wt. 447.83

Melting Point 193° C

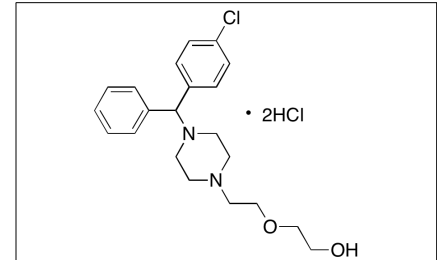
Purity ≥98%

Solubility Soluble in water (<700mg/mL), ethanol (220 mg/mL), chloroform (60mg/mL) or acetone (2mg/mL)

Store Temp Ambient

Ship Temp Ambient

Description Hydroxyzine is a first generation antihistamine that acts as an inverse agonist at histamine H1 receptors. Hydroxyzine exhibits anti-allergic, antipsychotic, anxiolytic, and sedative activities; it is the parent compound of cetirizine. Hydroxyzine also inhibits 5-HT_{2A}, D_{1/2}, and α₁-adrenergic receptors and acts as a functional inhibitor of acid sphingomyelinase (FIASMA).



Bulk quantities available upon request

Product ID	Size
H9717	1 g
H9717	5 g
H9717	10 g

References Llorca PM, Spadone C, Sol O, et al. Efficacy and safety of hydroxyzine in the treatment of generalized anxiety disorder: a 3-month double-blind study. *J Clin Psychiatry*. 2002 Nov;63(11):1020-7. PMID: 12444816.

Minogiannis P, El-Mansoury M, Betances JA, et al. Hydroxyzine inhibits neurogenic bladder mast cell activation. *Int J Immunopharmacol*. 1998 Oct;20(10):553-63. PMID: 9839659.

Haraguchi K, Ito K, Kotaki H, et al. Prediction of drug-induced catalepsy based on dopamine D₁, D₂, and muscarinic acetylcholine receptor occupancies. *Drug Metab Dispos*. 1997 Jun;25(6):675-84. PMID: 9193868.

Snowman AM, Snyder SH. Cetirizine: actions on neurotransmitter receptors. *J Allergy Clin Immunol*. 1990 Dec;86(6 Pt 2):1025-8. PMID: 1979798.

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