



LKT Laboratories, Inc.

Oxymetazoline Hydrochloride

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Product Information

Product ID O9398
CAS No. 2315-02-8
Chemical Name 3-[(4,5-Dihydro-1H-imidazol-2-yl)methyl]-6-(1,1-dimethylethyl)-2,4-dimethylphenyl hydrochloride

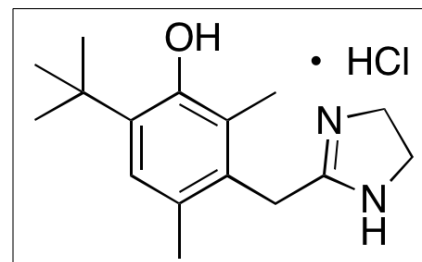
Synonym Afrin, Iliadin, Nafrine, Sinex

Formula $C_{16}H_{24}N_2O \cdot HCl$
Formula Wt. 296.84
Melting Point 300-303°C (dec)
Purity ≥98%
Solubility Soluble in water (145 mg/mL), and ethanol (270 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Oxymetazoline is a sympathomimetic imidazoline derivative that exhibits vasoconstrictive and antioxidative activities; it acts as an agonist at α_1 -adrenergic receptors and a partial agonist at α_2 -adrenergic receptors. Oxymetazoline is clinically used as a decongestant. This compound also inhibits lipid peroxidation and acts as a radical scavenger in vitro. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
O9398	1 g	\$55.10
O9398	5 g	\$104.80
O9398	25 g	\$413.50

References Browning S, Housley D, Richards R, et al. The effects of oxymetazoline on lysozyme secretion from the human nasal mucosa. *Acta Otolaryngol.* 1997 Nov;117(6):851-5. PMID: 9442826.

Westerveld GJ, Scheeren RA, Dekker I, et al. Anti-oxidant actions of oxymethazoline and xylomethazoline. *Eur J Pharmacol.* 1995 Sep 15;291(1):27-31. PMID: 8549644.

Chen KS, Bharaj SS, King EC. Induction and relief of nasal congestion in ferrets infected with influenza virus. *Int J Exp Pathol.* 1995 Feb;76(1):55-64. PMID: 7537523.

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