Oxymetazoline Hydrochloride

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, 2-(3-Hydroxy-2,6-dimethyl-4-tert-butyl(benzyl))-2-imidazoline hydrochloride, 2-(4-tert-Butyl-2,6-dimethyl-3-hydroxybenzyl)-2-imidazoline hydrochloride

Formula  C_{16}H_{24}N_{2}O • 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 α1-adrenergic receptors and a partial agonist at α2-adrenergic receptors. Oxymetazoline is clinically used as a decongestant. This compound also inhibits lipid peroxidation and acts as a radical scavenger in vitro.


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