**Product Information**

**Oxymetazoline Hydrochloride**

**Product ID** 09398  
**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** $\text{C}_{16}\text{H}_{24}\text{N}_{2}\text{O} \cdot \text{HCl}$  
**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.

**References**  

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