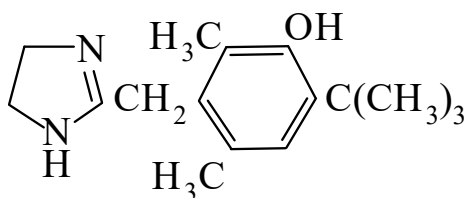




>>>**Entry Name:** Oxymetazoline, BAN, INN

Synonym(s): 3-[(4,5-Dihydro-1*H*-imidazol-2-yl)methyl]-6-(1,1-dimethylethyl)-2,4-dimethylphenol, 9Cl. 6-*tert*-Butyl-3-(2-imidazolin-2-ylmethyl)-2,4-dimethylphenol, 8Cl.
Many other names



CAS Registry Number: 1491-59-4

Molecular Formula: C₁₆H₂₄N₂O

Molecular Weight: 260.378

Accurate Mass: 260.188863

Percentage Composition: C 73.81%; H 9.29%; N 10.76%; O 6.14%

Use/Importance: α_{2A}-Adrenoceptor agonist. Vasoconstrictor. Nasal decongestant

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 181-183°

Solubility: Insol. Et₂O, CHCl₃, C₆H₆

Calculated Log P Data: Log P 4.71 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 0.8 mg/kg. Exp. reprod. effects

>>>**Derivative:** Hydrochloride

Synonym(s): Oxymetazoline hydrochloride, JAN, USAN. Afrin. Atomol. Hazol. Iliadin-mini. Afrazine

CAS Registry Number: 2315-02-8

Melting Point: Mp 300-303 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) 0.68 mg/kg. Exp. reprod. effects

Sigma: O2378

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