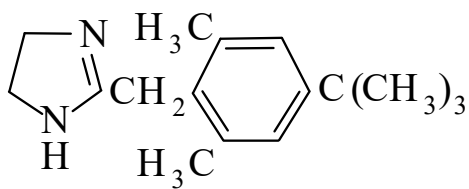




>>Entry Name: Xylometazoline, BAN, INN

Synonym(s): 2-[[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]methyl]-4,5-dihydro-1*H*-imidazole, 9Cl. 2-(4-*tert*-Butyl-2,6-dimethylbenzyl)-2-imidazoline. Ba 11391



CAS Registry Number: 526-36-3

Molecular Formula: C₁₆H₂₄N₂

Molecular Weight: 244.379

Accurate Mass: 244.193948

Percentage Composition: C 78.64%; H 9.90%; N 11.46%

Use/Importance: α -Adrenoceptor agonist. Vasoconstrictor, nasal decongestant

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 131-133°

Solubility: Mod. sol. H₂O

Calculated Log P Data: Log P 5.38 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 215 mg/kg

>>Derivative: Hydrochloride

Synonym(s): Xylometazoline hydrochloride, USAN. Novorin. Olynth. Otrivine. Otrix. Galazolin. Many other names

CAS Registry Number: 1218-35-5

Use/Importance: Used as 0.01*M* aq. soln. for extraction-photometric detn. of V(*V*) ($\lambda_{\max}$ 540 nm, ϵ 45600), Cr(*III*) ($\lambda_{\max}$ 530 nm, ϵ 48000, CHCl₃)

Physical Description: Cryst.

Melting Point: Mp 327-329 dec.°

Solubility: Sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 230 mg/kg

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