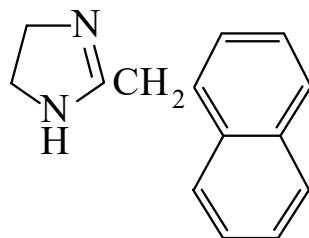




>>Entry Name: Naphazoline, BAN, INN

Synonym(s): 4,5-Dihydro-2-(1-naphthalenylmethyl)-1H-imidazole, 9Cl. 2-(1-Naphthylmethyl)-2-imidazoline, 8Cl



CAS Registry Number: 835-31-4

Molecular Formula: C₁₄H₁₄N₂

Molecular Weight: 210.278

Accurate Mass: 210.115698

Percentage Composition: C 79.97%; H 6.71%; N 13.32%

Use/Importance: α -Adrenoceptor agonist. Vasoconstrictor, sympathomimetic agent. Nasal decongestant

Calculated Log P Data: Log P 3.83 (calc)

Hazard & Toxicity: LD₅₀ (rat, scu) 385 mg/kg. LD₅₀ (mus, orl) 270 mg/kg

>>Derivative: Hydrochloride

Synonym(s): Naphazoline hydrochloride, USAN. Naphcon. Nafazolin. Naphtazoline. Naphthizin. Many other names. Albalon liquifilm

CAS Registry Number: 550-99-2

Melting Point: Mp 255-260°

Solubility: Sol. H₂O, EtOH, insol. C₆H₆, Et₂O

Hazard & Toxicity: LD₅₀ (rat, scu) 325 mg/kg

Aldrich: 18352-0

Rare Chemicals Library: S35373-6

Sigma: N5504

>>Derivative: Nitrate

CAS Registry Number: 5144-52-5

Hazard & Toxicity: LD₅₀ (rat, orl) 1260 mg/kg

Fluka: 70170

Sigma: N5629

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 643A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1305C, (ir)

Danish Pat., 1945, 62 889; *CA*, **40**, 4398, (synth)

Villa, L. *et al.*, *Farmaco, Ed. Sci.*, 1967, **22**, 491, (pharmacol)

Kracmar, J. *et al.*, *Cesk. Farm.*, 1972, **21**, 48, (uv)

Pullman, B. *et al.*, *J. Med. Chem.*, 1972, **15**, 17, (struct)

Piskov, V.B. *et al.*, *Khim. Prir. Soedin.*, 1976, **8**, 1112, (synth)

De Jong, A.P. *et al.*, *J. Med. Chem.*, 1979, **22**, 1290, (struct)

Podder, A. *et al.*, *Acta Cryst. C*, 1983, **39**, 495, (cryst struct)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 3087

Wall, G.M., *Anal. Profiles Drug Subst.*, 1992, **21**, 307, (rev)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1249

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, NAH500; NAH550; NCW000