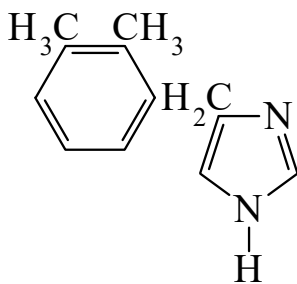




>>Entry Name: Detomidine, BAN, INN

Synonym(s): 4-[(2,3-Dimethylphenyl)methyl]imidazole, 9Cl. 4-(2,3-Dimethylbenzyl)-1*H*-imidazole. Domosedan. Dormosedan. MPV 253 AII



CAS Registry Number: 76631-46-4

Molecular Formula: C₁₂H₁₄N₂

Molecular Weight: 186.256

Accurate Mass: 186.115698

Percentage Composition: C 77.38%; H 7.58%; N 15.04%

Use/Importance: α_2 -Adrenoceptor agonist. Veterinary tranquilliser, analgesic, sedative

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 114-116°

Calculated Log P Data: Log P 2.94 (calc)

Sigma: D8675

>>Derivative: Hydrochloride

Synonym(s): Detomidine hydrochloride, USAN

CAS Registry Number: 90038-01-0

Hazard & Toxicity: LD₅₀ (mus, ivn) 35 mg/kg

References:

- Eur. Pat.*, 1981, *Farmos-Yhtyma Oy*, 24 829; *CA*, **95**, 115545k, (*synth, pharmacol*)
Vainio, O., *Colloq. INRA*, 1982, **8**, 281; *CA*, **100**, 44676n, (*rev, pharmacol*)
Laine, E. *et al.*, *Acta Pharm. Suec.*, 1983, **20**, 451, (*cryst struct, cmr, deriv*)
Virtanen, R. *et al.*, *Eur. J. Pharmacol.*, 1985, **108**, 163, (*pharmacol*)
Savola, J.M. *et al.*, *Arzneim.-Forsch.*, 1988, **38**, 29, (*pharmacol*)
Blandizzi, C. *et al.*, *J. Pharm. Pharmacol.*, 1990, **42**, 685, (*pharmacol, rat*)
Gami-Yilinkou, R. *et al.*, *J. Chromatogr.*, 1991, **550**, 573, (*chromatog*)
Salonen, J.S. *et al.*, *Eur. J. Drug Metab. Pharmacokinet.*, 1992, **17**, 13, (*metab, horse*)