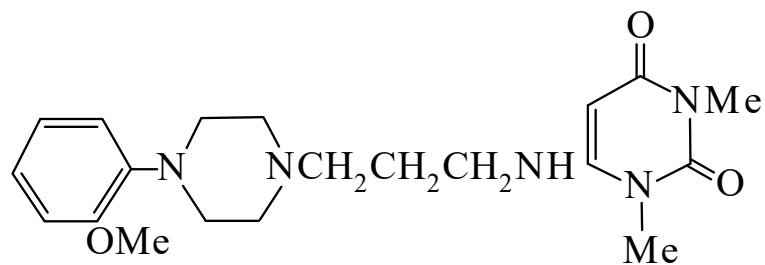




>>Entry Name: Urapidil, BAN, INN, JAN

Synonym(s): 6-[[[3-[4-(2-Methoxyphenyl)-1-piperazinyl]propyl]amino]-1,3-dimethyl-2,4(1*H*,3*H*)-pyrimidinedione, 9Cl. 6-[[[3-[4-(2-Methoxyphenyl)piperazin-1-yl]propyl]amino]-1,3-dimethyluracil. Alpha-Depressan. Ebrantil. Eupressyl. Mediatensyl. Uraprene. BY 256. B 66256



CAS Registry Number: 34661-75-1

Related CAS Registry Numbers(s): 64057-49-4 64887-14-5 115645-40-4 115676-98-7 115676-99-8

Molecular Formula: C₂₀H₂₉N₅O₃

Molecular Weight: 387.481

Accurate Mass: 387.22704

Percentage Composition: C 62.00%; H 7.54%; N 18.07%; O 12.39%

Use/Importance: Selective α_1 -adrenoceptor antagonist. 5-HT_{1A} receptor antagonist. Antihypertensive agent

Melting Point: Mp 156-158°

pKa Value: pK_a 7.1

Hazard & Toxicity: LD₅₀ (rat, orl) 520 mg/kg. LD₅₀ (rat, ivn) 140 mg/kg. Exp. reprod. and teratogenic effects

Sigma: U1755

References:

- Klemm, W. *et al.*, *Arzneim.-Forsch.*, 1977, **27**, 1895, (*synth*)
Koenig, J. *et al.*, *Arzneim.-Forsch.*, 1977, **27**, 1919, (*tox*)
Eltze, M., *Eur. J. Pharmacol.*, 1979, **59**, 1, (*pharmacol*)
Schoetensack, W. *et al.*, *New Drugs Annu.: Cardiovasc. Drugs*, 1983, **1**, 19, (*rev*)
Sturm, E. *et al.*, *Biomed. Mass Spectrom.*, 1984, **11**, 211, (*ms, metab*)
Shepherd, A.M.M., *Drugs*, 1988, **35**, 34, (*rev, pharmacol*)
Botha, S.A. *et al.*, *J. Pharm. Sci.*, 1988, **77**, 444, (*cryst struct*)
Langtry, H.D. *et al.*, *Drugs*, 1989, **38**, 900, (*rev*)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 391
Dooley, M. *et al.*, *Drugs*, 1998, **56**, 929-955, (*rev*)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, USJ000