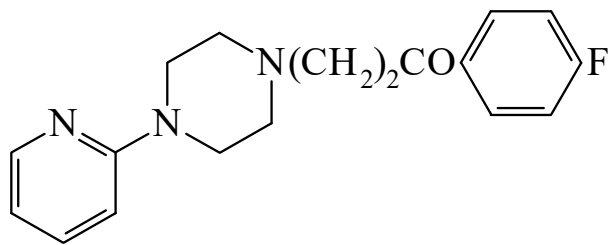




>>Entry Name: Azaperone, BAN, INN, USAN

Synonym(s): 1-(4-Fluorophenyl)-4-[4-(2-pyridinyl)-1-piperazinyl]-1-butanone, 9Cl. 4'-Fluoro-4-[4-(2-pyridyl)-1-piperazinyl]butyrophenone, 8Cl. Afiperon. Porcador. Porcirelax. Sedaperone. Stresnil. Suicalm. R 1929. Fluopendol



CAS Registry Number: 1649-18-9

Molecular Formula: C₁₉H₂₂FN₃O

Molecular Weight: 327.401

Accurate Mass: 327.17469

Percentage Composition: C 69.70%; H 6.77%; F 5.80%; N 12.83%; O 4.89%

Use/Importance: 5-HT receptor antagonist. Vet. tranquilliser

Physical Description: Polymorph. solid

Melting Point: Mp 73-75°. Mp 90°

Calculated Log P Data: Log P 3.36 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 245 mg/kg

References:

- U.S. Pat., 1960, Janssen, 2 958 694; CA, **55**, 9439d, (synth)
Frigerio, A. *et al.*, Org. Mass Spectrom., 1972, **6**, 1051, (ms)
Niemegeers, C.J.E. *et al.*, Arzneim.-Forsch., 1974, **24**, 1798, (pharmacol, tox)
Serrano, L. *et al.*, Res. Vet. Sci., 1976, **20**, 316, (pharmacol)
Koch, M.H.J. *et al.*, Acta Cryst. B, 1977, **33**, 1975, (cryst struct)
Azibi, M. *et al.*, Pharm. Acta Helv., 1981, **56**, 190, (polymorphism)
Van Boven, M. *et al.*, J. Anal. Toxicol., 1992, **16**, 33, (metab, chromatogr)
Martindale, The Extra Pharmacopoeia, 31st edn., Pharmaceutical Press, 1996, 679
Lewis, R.J., Sax's Dangerous Properties of Industrial Materials, 9th edn., Van Nostrand Reinhold, 1996, FLU000