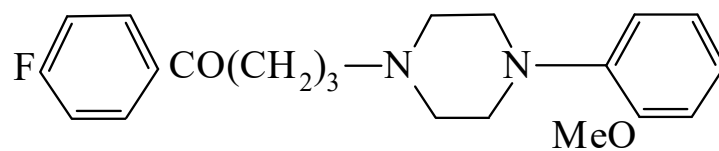




>>Entry Name: Fluanisone, BAN, INN

Synonym(s): 1-(4-Fluorophenyl)-4-[4-(2-methoxyphenyl)-1-piperazinyl]-1-butanone, 9Cl. 4'-Fluoro-4-[4-(*o*-methoxyphenyl)-1-piperazinyl]butyrophenone, 8Cl. Anti-Pica. Haloanisone. Methorin. Metoran. Sedalande. Solusediv. MD 2028. R 2028



CAS Registry Number: 1480-19-9

Molecular Formula: C₂₁H₂₅FN₂O₂

Molecular Weight: 356.439

Accurate Mass: 356.190006

Percentage Composition: C 70.76%; H 7.07%; F 5.33%; N 7.86%; O 8.98%

Use/Importance: Antipsychotic. Neuroleptic

Melting Point: Mp 67.5-68.5°

Solubility: Sl. sol. Et₂O, sol. CHCl₃

Calculated Log P Data: Log P 4.33 (calc)

Other Data: Often used in combination with Fentanyl [HDS46-V](#) as Hypnorm

Hazard & Toxicity: LD₅₀ (mus, orl) 550 mg/kg. Exp. teratogenic effects

References:

- Janssen, P.A.J., *Arzneim.-Forsch.*, 1961, **11**, 819, (*pharmacol*)
U.S. Pat., 1961, 2 997 472; *CA*, **56**, 11603, (*synth, pharmacol*)
Solov'ev, V.M. *et al.*, *Zh. Obshch. Khim.*, 1967, **37**, 1233, (*synth, pharmacol*)
Mishkinsky, J. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **179**, 94, (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al.*, *Microchem. J.*, 1972, **17**, 639, (*uv*)
Frigerio, A. *et al.*, *Org. Mass Spectrom.*, 1972, **6**, 1051, (*ms*)
Azibi, M. *et al.*, *Pharm. Acta Helv.*, 1981, **56**, 190, (*polymorphism*)
Martindale, The Extra Pharmacopoeia, 31st edn., Pharmaceutical Press, 1993, 709
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, HAF400