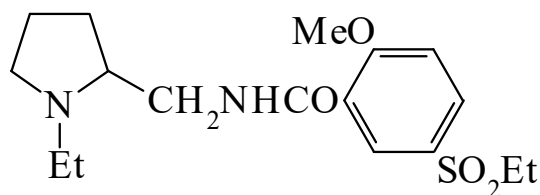




>>Entry Name: Sultopride, INN

Synonym(s): *N*-[(1-Ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-methoxybenzamide, gcl. Barnetil. Barnotil. Sochimex. Topral. LIN 1418



CAS Registry Number: 53583-79-2

Related CAS Registry Numbers(s): 55619-22-2 73294-92-5 73300-16-0

Molecular Formula: C₁₇H₂₆N₂O₄S

Molecular Weight: 354.469

Accurate Mass: 354.161328

Percentage Composition: C 57.60%; H 7.39%; N 7.90%; O 18.05%; S 9.05%

Use/Importance: Neuroleptic; used in the management of acute psychosis. Antiemetic

Calculated Log P Data: Log P 1.93 (calc)

Other Data: (-)-Enantiomer 70 times more active than (+)-enantiomer

Hazard & Toxicity: LD₅₀ (mus, orl) 665 mg/kg. LD₅₀ (mus, ipr) 300 mg/kg. Exp. reprod. effects

>>Variant: (±)-form

CAS Registry Number: 74488-18-9

Molecular Formula: C₁₇H₂₆N₂O₄S

Molecular Weight: 354.469

Accurate Mass: 354.161328

Percentage Composition: C 57.60%; H 7.39%; N 7.90%; O 18.05%; S 9.05%

>>Derivative: Hydrochloride

Synonym(s): Sultopride hydrochloride, JAN

CAS Registry Number: 23694-17-9

Physical Description: Cryst. (2-butanone)

Melting Point: Mp 181-182°

References:

Justin-Besancon, L. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. D*, 1974, **279**, 375, (rev, pharmacol)

Ger. Pat., 1974, 2 409 892; *CA*, **82**, 4116h, (synth)

Topart, J. *et al.*, *Pharm. Acta Helv.*, 1976, **51**, 314, (ir, uv, pmr)

Neuman, M. *et al.*, *Drugs of Today (Barcelona)*, 1977, **13**, 152, (rev, pharmacol)

Bressolle, F. *et al.*, *J. Chromatogr.*, 1985, **341**, 391, (hplc)

Kobari, T. *et al.*, *Xenobiotica*, 1985, **15**, 469; 605, (metab)

Kamizono, A. *et al.*, *Biol. Pharm. Bull.*, 1993, **16**, 1121, (sepn)

Kamizono, A. *et al.*, *J. Pharm. Sci.*, 1993, **82**, 1259, (sepn)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 616

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, EPD100