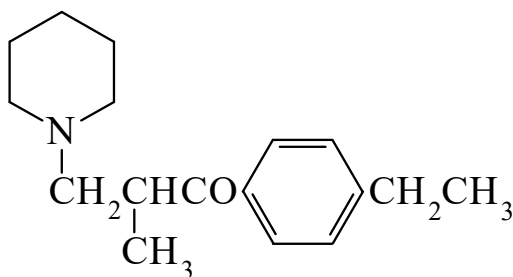




>>Entry Name: Eperisone, INN

Synonym(s): 1-(4-Ethylphenyl)-2-methyl-3-(1-piperidinyl)-1-propanone, 9CI. 4'-Ethyl-2-methyl-3-piperidinopropiophenone



CAS Registry Number: 64840-90-0

Type of Compound Code(s): XA2250 XA5200

Molecular Formula: C₁₇H₂₅NO

Molecular Weight: 259.391

Accurate Mass: 259.193614

Percentage Composition: C 78.72%; H 9.71%; N 5.40%; O 6.17%

Use/Importance: Spasmolytic agent, skeletal muscle relaxant

Development Status: Launched 1983

Calculated Log P Data: Log P 4.38 (calc)

>>Variant: (±)-form

CAS Registry Number: 124308-54-9

Molecular Formula: C₁₇H₂₅NO

Molecular Weight: 259.391

Accurate Mass: 259.193614

Percentage Composition: C 78.72%; H 9.71%; N 5.40%; O 6.17%

>>Derivative: Hydrochloride

Synonym(s): Eperisone hydrochloride, JAN. Atines. Epel. Myonal. Sunbazon. EMPP. E 0646. Many other names

CAS Registry Number: 56839-43-1

Physical Description: Needles (2-propanol)

Melting Point: Mp 170-172°

Hazard & Toxicity: LD₅₀ (rat, orl) 1002 mg/kg. LD₅₀ (rat, ivn) 51 mg/kg

References:

Ger. Pat., 1975, *Eisai*, 2 458 638; *CA*, **83**, 164000q, (*synth, pharmacol, deriv*)

Japan. Pat., 1977, *Eisai*, 77 85 175; *CA*, **88**, 6733e, (*synth, pharmacol*)

Fujioka, M. *et al.*, *J. Pharmacol. Exp. Ther.*, 1985, **235**, 757, (*pharmacol*)

Noma, S. *et al.*, *Jpn. J. Pharmacol.*, 1986, **40**, 283, (*pharmacol*)

Saegusa, K. *et al.*, *Jpn. J. Pharmacol.*, 1991, **56**, 187, (*pharmacol*)

Takamatsu, T. *et al.*, *J. Chromatogr.*, 1992, **584**, 261, (*gc-ms*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1204

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., *Akademie-Verlag*, 1994, 6023, (*synonyms*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, EAV700