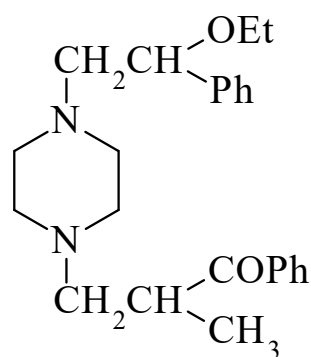




>>Entry Name: **Eprazinone**, INN

Synonym(s): 3-[4-(2-Ethoxy-2-phenylethyl)-1-piperazinyl]-2-methyl-1-phenyl-1-propanone, 9Cl. 3-[4-(β-Ethoxyphenethyl)-1-piperazinyl]-2-methylpropiophenone, 8Cl. CERM 746. CG B6K



CAS Registry Number: 10402-90-1

Molecular Formula: C₂₄H₃₂N₂O₂

Molecular Weight: 380.529

Accurate Mass: 380.246378

Percentage Composition: C 75.75%; H 8.48%; N 7.36%; O 8.41%

Use/Importance: Antitussive, expectorant, mucolytic agent with effects on lung surfactant levels and composition

Calculated Log P Data: Log P 5.03 (calc)

>>Derivative: Hydrochloride (1:2)

Synonym(s): **Eprazinone hydrochloride**, JAN. Atopirazin. Eftapan. Isilung. Mucitux. Mukolen. Ohsafe. Resplene. Rozoplen. Vlenalite. Vopop

CAS Registry Number: 10402-53-6

Melting Point: Mp 203-206° (anhydr.)

Hazard & Toxicity: Large doses caused convulsions and other effects in children. LD₅₀ (rat, orl) 763 mg/kg. LD₅₀ (rat, ipr) 191 mg/kg

References:

Netherlands Pat., 1966, 6 602 581; *CA*, **66**, 55520, (*synth*)

Vacher, J. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **165**, 1, (*pharmacol*)

Toffel-Nadolny, P. *et al.*, *Arzneim.-Forsch.*, 1981, **31**, 719, (*metab*)

Vejdelek, Z. *et al.*, *Coll. Czech. Chem. Comm.*, 1983, **48**, 2977, (*synth, bibl*)

Merigot, P. *et al.*, *Ann. Pediatr.*, 1985, **32**, 504; 511, (*tox, man*)

Kim, E. *et al.*, *Bull. Korean Chem. Soc.*, 1991, **12**, 371, (*cryst struct*)

Thrall, R.S. *et al.*, *Exp. Lung Res.*, 1992, **18**, 409, (*pharmacol, exp*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 747

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, ECU550; PFB000