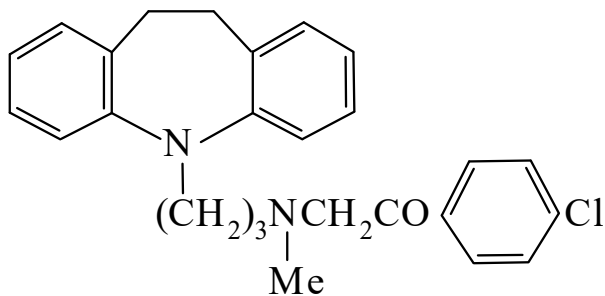




>>Entry Name: Lofepramine, BAN, INN, JAN

Synonym(s): 1-(4-Chlorophenyl)-2-[[3-(10,11-dihydro-5H-dibenz[b,f]-azepin-5-yl)propyl]methylamino]ethanone, 9Cl. 4'-Chloro-2-[3-(10,11-dihydro-5H-dibenz[b,f]azepin-5-yl)propyl]acetophenone, 8Cl. Lopramine



CAS Registry Number: 23047-25-8

Molecular Formula: C₂₆H₂₇ClN₂O

Molecular Weight: 418.965

Accurate Mass: 418.18119

Percentage Composition: C 74.54%; H 6.50%; Cl 8.46%; N 6.69%; O 3.82%

Use/Importance: Antidepressant

Physical Description: Cryst. (MeOH or Me₂CO)

Melting Point: Mp 104-106°

Calculated Log P Data: Log P 6.69 (calc)

>>Derivative: Hydrochloride

Synonym(s): Lopramine hydrochloride. Amplit. Deftan. Deprimil. Emdalen. Gamanil. Gamonil. Tymelet. Tymelyt. DB 2182. Leo 640

CAS Registry Number: 26786-32-3

Use/Importance: Antidepressant

Physical Description: Cryst. (butanone)

Melting Point: Mp 152-154°

Hazard & Toxicity: Exp. reprod. and teratogenic effects

References:

Eriksoo, E. *et al.*, *Arzneim.-Forsch.*, 1970, **20**, 1561, (*synth, pharmacol*)

Tuck, J.R. *et al.*, *Acta Pharmacol. Toxicol.*, 1973, **32**, 304, (*metab*)

Wright, S. *et al.*, *Arzneim.-Forsch.*, 1976, **26**, 1167, (*pharmacol*)

Plym Forshell, G. *et al.*, *Eur. J. Clin. Pharmacol.*, 1976, **9**, 291

Baehring-Kuhlmey, S.R., *Drugs of Today (Barcelona)*, 1977, **13**, 205, (*rev*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., *Pharmaceutical Press*, 1993, 263

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, IFZ900