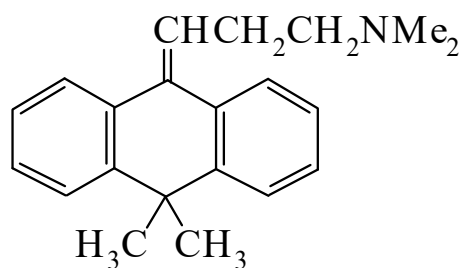




>>Entry Name: Melitracen, INN

Synonym(s): 3-(10,10-Dimethyl-9(10*H*)-anthracenylidene)-*N,N*-dimethyl-1-propanamine, 9Cl. *N,N*,10,10-Tetramethyl- $\Delta^{9(10H),\gamma}$ -anthracenepropylamine, 8Cl



CAS Registry Number: 5118-29-6

Molecular Formula: C₂₁H₂₅N

Molecular Weight: 291.435

Accurate Mass: 291.198699

Percentage Composition: C 86.55%; H 8.65%; N 4.81%

Use/Importance: Antidepressant

Calculated Log P Data: Log P 5.35 (calc)

Other Data: Used in combination with Flupentixol [DKG51-Q](#) as Deanxit

Hazard & Toxicity: LD₅₀ (rat, orl) 170 mg/kg

>>Derivative: Hydrochloride

Synonym(s): Melitracen hydrochloride, JAN, USAN. Adaptol. Adepril. Dixeran. Melixeran. Thymeol. Trausabun. N 7001. U 24973A

CAS Registry Number: 10563-70-9

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 245-248°

Hazard & Toxicity: LD₅₀ (rat, orl) 170 mg/kg

References:

Holm, T., *Acta Chem. Scand.*, 1963, **17**, 2437, (*synth, uv*)

Nielsen, I.M. *et al.*, *Arzneim.-Forsch.*, 1966, **16**, 135, (*pharmacol*)

Martini, C. *et al.*, *Int. J. Clin. Pharmacol. Biopharm.*, 1978, **16**, 129, (*tox*)

Lopez de Lerma, J. *et al.*, *Acta Cryst. B*, 1979, **35**, 1739, (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 31st edn., Pharmaceutical Press, 1996, 324

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, AEG875; TDL000*