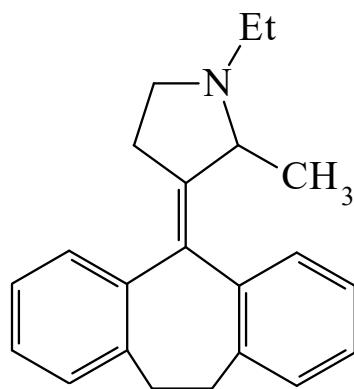




>>Entry Name: Piroheptine, INN

Synonym(s): 3-(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-ylidene)-1-ethyl-2-methylpyrrolidine, 9Cl, 8Cl. Trimol



CAS Registry Number: 16378-21-5

Molecular Formula: C₂₂H₂₅N

Molecular Weight: 303.446

Accurate Mass: 303.198699

Percentage Composition: C 87.08%; H 8.30%; N 4.62%

Use/Importance: Antiparkinsonian drug

Calculated Log P Data: Log P 5.56 (calc)

>>Variant: (±)-form

Molecular Formula: C₂₂H₂₅N

Molecular Weight: 303.446

Accurate Mass: 303.198699

Percentage Composition: C 87.08%; H 8.30%; N 4.62%

Boiling Point: Bp₄ 167°

>>Derivative: Hydrochloride

Synonym(s): Piroheptine hydrochloride, JAN. FK 1190

CAS Registry Number: 16378-22-6

Physical Description: Cryst. with bitter numbing taste

Melting Point: Mp 253°

Hazard & Toxicity: LD₅₀ (rat, orl) 600 mg/kg. LD₅₀ (rat, ipr) 100 mg/kg. LD₅₀ (rat, ivn) 16 mg/kg

References:

Netherlands Pat., 1967, Fujisawa Pharm, 6 609 280; CA, **67**, 90665f, (synth, pharmacol)

Tokuma, Y. *et al.*, Bull. Chem. Soc. Jpn., 1971, **44**, 2665; 1975, **48**, 294, (cryst struct, metab)

Hitomi, M. *et al.*, Arzneim.-Forsch., 1972, **22**, 953, (pharmacol)

Umio, S. *et al.*, J. Med. Chem., 1972, **15**, 891, (synth, pharmacol)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., Pharmaceutical Press, 1982, 13136

Lewis, R.J., Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, TMK150