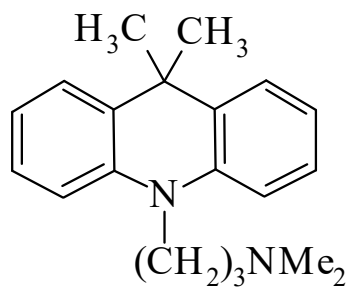




>>Entry Name: Dimetacrine, INN

Synonym(s): *N,N*,9,9-Tetramethyl-10(9*H*)-acridinepropanamine, 9Cl. 10-[3-(Dimethylamino)propyl]-9,9-dimethylacridan, 8Cl. Acipramine. Dimethacrine



CAS Registry Number: 4757-55-5

Type of Compound Code(s): XA1450

Molecular Formula: C₂₀H₂₆N₂

Molecular Weight: 294.439

Accurate Mass: 294.209598

Percentage Composition: C 81.59%; H 8.90%; N 9.51%

Use/Importance: Antidepressant

Boiling Point: Bp₁ 200°

Calculated Log P Data: Log P 5.12 (calc)

Other Data: Used mainly as tartrate

Hazard & Toxicity: LD₅₀ (rat, orl) 1850 mg/kg. Exp. reprod. effects

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOH/Me₂CO)

Melting Point: Mp 151-154°

>>Derivative: Tartrate (1:1)

Synonym(s): Isotonil. Istonil. Linostil. Miroistonil. HK 5031. SD 709

CAS Registry Number: 3759-07-7

Use/Importance: Antidepressant

Melting Point: Mp 155-156°

Hazard & Toxicity: LD₅₀ (rat, orl) 1671 mg/kg. Exp. reprod. and teratogenic effects

References:

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Schatz, F. *et al.*, *Arzneim.-Forsch.*, 1968, **18**, 862, (*pharmacol*)

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Neye, J. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1978, **311**, 1042; 1979, **312**, 2, (*metab*)

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