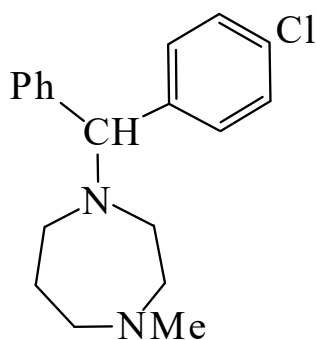




>>Entry Name: Homochlorcyclizine, BAN, INN

Synonym(s): 1-[(4-Chlorophenyl)phenylmethyl]hexahydro-4-methyl-1*H*-1,4-diazepine, 9Cl. 1-(4-Chlorobenzhydryl)-4-methyl-1,4-diazacycloheptane. Many other names



CAS Registry Number: 848-53-3

Molecular Formula: C₁₉H₂₃ClN₂

Molecular Weight: 314.857

Accurate Mass: 314.154975

Percentage Composition: C 72.48%; H 7.36%; Cl 11.26%; N 8.90%

Use/Importance: Histamine H₁-receptor and 5HT receptor antagonist

Calculated Log P Data: Log P 4.65 (calc)

Rare Chemicals Library: S60308-2

>>Variant: (±)-form

Molecular Formula: C₁₉H₂₃ClN₂

Molecular Weight: 314.857

Accurate Mass: 314.154975

Percentage Composition: C 72.48%; H 7.36%; Cl 11.26%; N 8.90%

Physical Description: Oil

Boiling Point: Bp_{0.8} 177°

Refractive Index: n_D²⁵ 1.5804

>>Derivative: Hydrochloride (1:2)

Synonym(s): Homochlorcyclizine hydrochloride, JAN

CAS Registry Number: 1982-36-1

Physical Description: Very bitter cryst. (EtOH)

Melting Point: Mp 227-228°

Hazard & Toxicity: LD₅₀ (rat, orl) 490 mg/kg

Sigma: H1761

References:

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Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 5301, (*synonyms*)

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