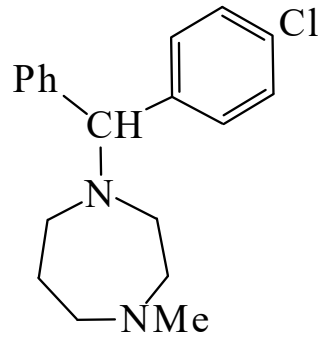
>>**Entry Name: Homochlorcyclizine,** BAN, INN
Synonym(s): 1-[(4-Chlorophenyl)phenylmethyl]hexahydro-4-methyl-1*H*-1,4-diazepine, 9CI. 1-(4-Chlorobenzhydryl)-4-methyl-1,4-diazacycloheptane. Many other names



CAS Registry Number: 848-53-3

Molecular Formula: $C_{19}H_{23}ClN_2$
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 H_1-receptor and 5HT receptor antagonist
Calculated Log P Data: Log P 4.65 (calc)

Rare Chemicals Library: S60308-2

>>**Variant:** (±)-form

Molecular Formula: $C_{19}H_{23}ClN_2$
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_D^{25} 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: LD_{50} (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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