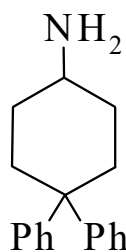




>>Entry Name: 4,4-Diphenylcyclohexylamine, 8Cl

Synonym(s): 4,4-Diphenylcyclohexanamine, 9Cl



CAS Registry Number: 14558-33-9

Molecular Formula: C₁₈H₂₁N

Molecular Weight: 251.371

Accurate Mass: 251.167399

Percentage Composition: C 86.01%; H 8.42%; N 5.57%

Melting Point: Mp 100°

Boiling Point: Bp_{0.05} 160-165°

>>Derivative: Hydrochloride

Melting Point: Mp 260°

>>Derivative: N-Isopropyl

Synonym(s): N-(1-Methylethyl)-4,4-diphenylcyclohexanamine, 9Cl. **Pramiverine**, BAN, INN. Cintaverin. Monoverin. Propaminodiphenene. Raptalgin. Sistalcin. Sitalgin. Syntaverin. EMD 9806. HSp 2986

CAS Registry Number: 14334-40-8

Type of Compound Code(s): XA2250

Molecular Formula: C₂₁H₂₇N

Molecular Weight: 293.451

Accurate Mass: 293.214349

Percentage Composition: C 85.95%; H 9.27%; N 4.77%

Use/Importance: Anticholinergic, spasmolytic agent

Physical Description: Liq.

Boiling Point: Bp_{0.05} 164-165°

Calculated Log P Data: Log P 5.32 (calc)

Other Data: Also reported as a solid. Mp 70°

>>Derivative: N-Isopropyl; hydrochloride

CAS Registry Number: 14334-41-9

Physical Description: Cryst. (EtOH)

Melting Point: Mp 230°

Hazard & Toxicity: LD₅₀ (rat, orl) 623 mg/kg. Exp. reprod. effects

References:

Netherlands Pat., 1966, E. Merck, 6 515 046; CA, **67**, 21608c, (synth)

Koch, E. et al., *Arzneim.-Forsch.*, 1976, **26**, 686, (pharmacol, metab, tox, gc)

Martindale, *The Extra Pharmacopoeia*, 31st edn., Pharmaceutical Press, 1996, 1745