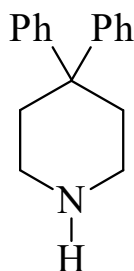




>>Entry Name: 4,4-Diphenylpiperidine



CAS Registry Number: 34273-01-3

Molecular Formula: C₁₇H₁₉N

Molecular Weight: 237.344

Accurate Mass: 237.151749

Percentage Composition: C 86.03%; H 8.07%; N 5.90%

Melting Point: Mp 72-74°

Boiling Point: Bp_{0.005} 129-131°

>>Derivative: Hydrochloride

Melting Point: Mp 300-305°

>>Derivative: *N*-tert-Butyl

Synonym(s): 1-*tert*-Butyl-4,4-diphenylpiperidine. **Budipine**, INN. BY 701

CAS Registry Number: 57982-78-2

Type of Compound Code(s): XA2050 XA1450

Molecular Formula: C₂₁H₂₇N

Molecular Weight: 293.451

Accurate Mass: 293.214349

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

Use/Importance: NMDA antagonist. Antiparkinsonian agent. Antidepressant

Development Status: In Phase III clinical trials (1993)

Melting Point: Mp 108-109°

Boiling Point: Bp_{0.05} 160-165°

Calculated Log P Data: Log P 5.6 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 165 mg/kg. LD₅₀ (rat, ivn) 28 mg/kg

>>Derivative: *N*-tert-Butyl; hydrochloride

Synonym(s): Parkinsan

CAS Registry Number: 63661-61-0

Melting Point: Mp 306-309 dec.°

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