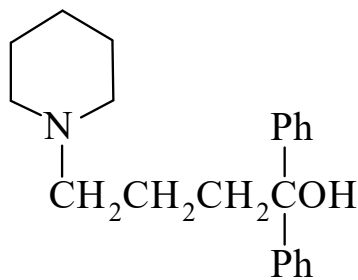




>>Entry Name: Difenidol, INN

Synonym(s): α,α -Diphenyl-1-piperidinebutanol, 9CI. 1,1-Diphenyl-4-piperidiny-1-butanol. **Diphenidol**, BAN, USAN. Cephadol. Vontrol. SKF 478. Many other names



CAS Registry Number: 972-02-1

Molecular Formula: $C_{21}H_{27}NO$

Molecular Weight: 309.45

Accurate Mass: 309.209264

Percentage Composition: C 81.51%; H 8.79%; N 4.53%; O 5.17%

Biological Use/Importance: Antiemetic

Physical Description: Needles (petrol)

Melting Point: Mp 104-105°

Calculated Log P Data: Log P 4.09 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 815 mg/kg

>>Derivative: Hydrochloride

Synonym(s): **Diphenidol hydrochloride**, USAN. Difenidol hydrochloride, JAN

CAS Registry Number: 3254-89-5

Physical Description: Cryst. (CHCl₃/EtOAc)

Melting Point: Mp 212-214°

Hazard & Toxicity: Adverse effects incl. auditory and visual hallucinations, disorientation and confusion. LD₅₀ (rat, orl) 515 mg/kg. Exp. reprod. effects

Sigma: D6024

>>Derivative: 4,4'-Methylenebis(3-hydroxy-2-naphthoate) salt (2:1)

Synonym(s): **Diphenidol pamoate**, USAN

CAS Registry Number: 26363-46-2

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