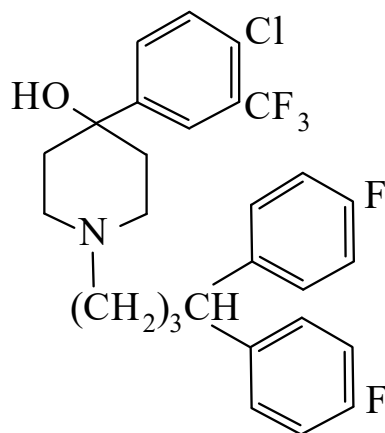




>>Entry Name: Penfluridol, BAN, INN, USAN

Synonym(s): 1-[4,4-Bis(4-fluorophenyl)butyl]-4-[4-chloro-3-(trifluoromethyl)phenyl]-4-piperidinol, 9Cl. 1-[4,4-Bis(*p*-fluorophenyl)butyl]-4-(4-chloro- α,α,α -trifluoro-*m*-tolyl)-4-piperidinol, 8Cl. Flupidol. Longoran. Micefal. Oraleptin. Longoperidol. Semap. McN JR 16341. R 16341. TLP 607



CAS Registry Number: 26864-56-2

Molecular Formula: C₂₈H₂₇ClF₅NO

Molecular Weight: 523.972

Accurate Mass: 523.170131

Percentage Composition: C 64.18%; H 5.19%; Cl 6.77%; F 18.13%; N 2.67%; O 3.05%

Use/Importance: Calcium (T-type) channel antagonist. Tranquilliser

Melting Point: Mp 105-107°

Solubility: Sl. sol. H₂O

Calculated Log P Data: Log P 7.38 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 160 mg/kg. Exp. reprod. and teratogenic effects

>>Derivative: Decanoyl

Synonym(s): Penfluridol decanoate. VUFB 13708

CAS Registry Number: 80458-76-0

Molecular Formula: C₃₈H₄₅ClF₅NO₂

Molecular Weight: 678.224

Accurate Mass: 677.305896

Percentage Composition: C 67.30%; H 6.69%; Cl 5.23%; F 14.01%; N 2.07%; O 4.72%

Use/Importance: Tranquilliser

Calculated Log P Data: Log P 12.47 (uncertain value) (calc)

>>Derivative: Decanoyl, oxalate (1:1)

CAS Registry Number: 80458-77-1

Physical Description: Cryst. (Me₂CO/Et₂O)

Melting Point: Mp 125-127°

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