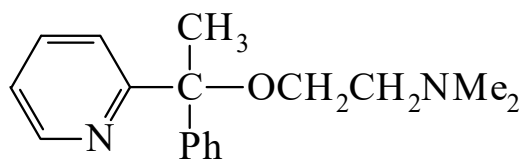




>>Entry Name: Doxylamine, BAN, INN

Synonym(s): *N,N*-Dimethyl-2-[1-phenyl-1-(2-pyridinyl)ethoxy]ethanamine, 9Cl. 2-[α -[2-(Dimethylamino)ethoxy]- α -methylbenzyl]pyridine, 8Cl



CAS Registry Number: 469-21-6

Related CAS Registry Numbers(s): 8064-77-5

Type of Compound Code(s): XA4510

Molecular Formula: C₁₇H₂₂N₂O

Molecular Weight: 270.374

Accurate Mass: 270.173213

Percentage Composition: C 75.52%; H 8.20%; N 10.36%; O 5.92%

Use/Importance: Histamine H₁-receptor antagonist, sedative

>>Variant: ($\pm$)-form

Molecular Formula: C₁₇H₂₂N₂O

Molecular Weight: 270.374

Accurate Mass: 270.173213

Percentage Composition: C 75.52%; H 8.20%; N 10.36%; O 5.92%

Boiling Point: Bp_{0.5} 137-141°

Hazard & Toxicity: Severe skin irritant. Exp. neoplastic agent and teratogen. Exp. reprod. effects. LD₅₀ (mus, orl) 470 mg/kg

>>Derivative: Succinate (1:1)

Synonym(s): Doxylamine succinate, USAN. Histadonylamine succinate. Decapryn succinate. Mereprine. Many other names

CAS Registry Number: 562-10-7

Melting Point: Mp 100-104°

Other Data: Component of Debendox

Hazard & Toxicity: Exp. reprod. and teratogenic effects. Exp. hepatotoxic

Sigma: D3775

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