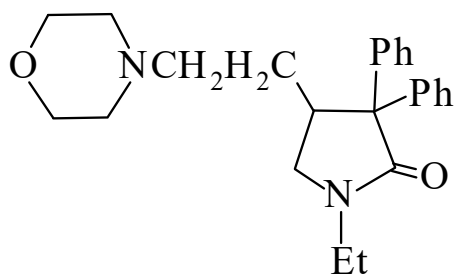




>>Entry Name: Doxapram, BAN, INN

Synonym(s): 1-Ethyl-4-[2-(4-morpholinyl)ethyl]-3,3-diphenyl-2-pyrrolidinone, 9CI



CAS Registry Number: 309-29-5

Type of Compound Code(s): XA2900 XA6245

Molecular Formula: C₂₄H₃₀N₂O₂

Molecular Weight: 378.513

Accurate Mass: 378.230728

Percentage Composition: C 76.16%; H 7.99%; N 7.40%; O 8.45%

Use/Importance: CNS and respiratory stimulant

Calculated Log P Data: Log P 3.08 (uncertain value) (calc)

>>Variant: (±)-form

Molecular Formula: C₂₄H₃₀N₂O₂

Molecular Weight: 378.513

Accurate Mass: 378.230728

Percentage Composition: C 76.16%; H 7.99%; N 7.40%; O 8.45%

>>Derivative: Hydrochloride

Synonym(s): Doxapram hydrochloride, JAN, USAN. Dopram. Doxapril. Stimulaxin. AHR 619

CAS Registry Number: 7081-53-0

Physical Description: Bitter tasting cryst. + 1H₂O (diisopropyl ether)

Melting Point: Mp 217-219°

Hazard & Toxicity: Adverse therapeutic effects incl. dyspnoea, coughing, bronchospasm and laryngospasm. LD₅₀ (rat, orl) 261 mg/kg. Exp. reprod and teratogenic effects.

Sigma: D5678

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