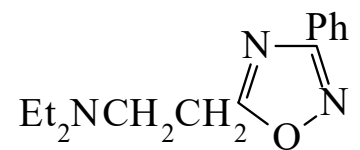




>>Entry Name: Oxolamine, INN

Synonym(s): *N,N*-Diethyl-3-phenyl-1,2,4-oxadiazole-5-ethanamine, 9Cl. 5-[(2-Diethylamino)ethyl]-3-phenyl-1,2,4-oxadiazole, 8Cl. 683 M



CAS Registry Number: 959-14-8

Related CAS Registry Numbers(s): 1949-19-5 32601-57-3

Molecular Formula: C₁₄H₁₉N₃O

Molecular Weight: 245.324

Accurate Mass: 245.152812

Percentage Composition: C 68.54%; H 7.81%; N 17.13%; O 6.52%

Use/Importance: Antiinflammatory, antitussive agent. Used for treatment of respiratory tract inflammation

Boiling Point: Bp_{0.4} 127°

Calculated Log P Data: Log P 2.08 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 679 mg/kg. LD₅₀ (mus, ipr) 208 mg/kg

>>Derivative: Hydrochloride

CAS Registry Number: 1219-20-1

Physical Description: Cryst.

Melting Point: Mp 153-154°

Hazard & Toxicity: LD₅₀ (mus, orl) 1061 mg/kg. LD₅₀ (mus, ipr) 208 mg/kg

>>Derivative: Citrate

Synonym(s): SKF 9976. AF-438. Bredon. Perebron. Prilon. Flogobron. Oxarmin. Many other names

CAS Registry Number: 1949-20-8

Molecular Formula: C₂₀H₂₇N₃O₈

Molecular Weight: 437.449

Accurate Mass: 437.179817

Percentage Composition: C 54.91%; H 6.22%; N 9.61%; O 29.26%

Physical Description: Cryst.

Melting Point: Mp 153-154°

Hazard & Toxicity: LD₅₀ (mus, orl) 650 mg/kg. Exp. carcinogen and teratogen

Sigma: O2256

References:

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