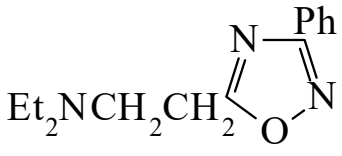
>>**Entry Name: Oxolamine,** INN
Synonym(s): *N*,*N*-Diethyl-3-phenyl-1,2,4-oxadiazole-5-ethanamine, 9CI. 5-[(2-Diethylamino)ethyl]-3-phenyl-1,2,4-oxadiazole, 8CI. 683 M



CAS Registry Number: 959-14-8
Related CAS Registry Numbers(s): 1949-19-5 32601-57-3

Molecular Formula: $C_{14}H_{19}N_3O$
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: LD_{50} (mus, orl) 679 mg/kg. LD_{50} (mus, ipr) 208 mg/kg

>>**Derivative:** Hydrochloride

CAS Registry Number: 1219-20-1
Physical Description: Cryst.
Melting Point: Mp 153-154°
Hazard & Toxicity: LD_{50} (mus, orl) 1061 mg/kg. LD_{50} (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: $C_{20}H_{27}N_3O_8$
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: LD_{50} (mus, orl) 650 mg/kg. Exp. carcinogen and teratogen

Sigma: O2256

References:

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