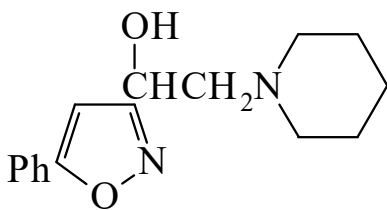




>>Entry Name: **Perisoxal**, INN

Synonym(s): α -(5-Phenyl-3-isoxazolyl)-1-piperidineethanol, 9CI



CAS Registry Number: 2055-44-9

Related CAS Registry Numbers(s): 81129-92-2 81129-93-3

Molecular Formula: $C_{16}H_{20}N_2O_2$

Molecular Weight: 272.346

Accurate Mass: 272.152478

Percentage Composition: C 70.56%; H 7.40%; N 10.29%; O 11.75%

Use/Importance: Analgesic, antiinflammatory agent, CNS depressant

Calculated Log P Data: Log P 2.48 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 526 mg/kg

>>Variant: (±)-form

Molecular Formula: $C_{16}H_{20}N_2O_2$

Molecular Weight: 272.346

Accurate Mass: 272.152478

Percentage Composition: C 70.56%; H 7.40%; N 10.29%; O 11.75%

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 107-108°

>>Derivative: Hydrochloride

CAS Registry Number: 7041-74-9

Melting Point: Mp 229-230°

>>Derivative: Citrate (2:1)

Synonym(s): Perisoxal citrate, JAN. Isoxal. S 31252

CAS Registry Number: 2139-25-5

Physical Description: Prisms (EtOH/Me₂CO)

Melting Point: Mp 143-145°

Hazard & Toxicity: LD₅₀ (rat, orl) 1479 mg/kg. LD₅₀ (rat, scu) 878 mg/kg. LD₅₀ (rat, ivn) 31.3 mg/kg

References:

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Watanabe, J. *et al.*, *Chem. Pharm. Bull.*, 1979, **27**, 1075, (*metab*)

Mizojiri, K. *et al.*, *Chem. Pharm. Bull.*, 1981, **29**, 3667, (*pharmacol*)

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