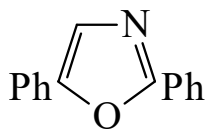




>>Entry Name: 2,5-Diphenyloxazole, 9CI

Synonym(s): PPO



CAS Registry Number: 92-71-7

Type of Compound Code(s): PS8200

Molecular Formula: C₁₅H₁₁NO

Molecular Weight: 221.258

Accurate Mass: 221.084064

Percentage Composition: C 81.43%; H 5.01%; N 6.33%; O 7.23%

Use/Importance: Used as scintillating material, also as antioxidant; has antirheumatic activity.

Physical Description: Needles (petrol)

Melting Point: Mp 74°

Solubility: Sol. EtOH, Et₂O, prac. insol. H₂O

Hazard & Toxicity: LD₅₀ (mus, ipr) 750 mg/kg

Aldrich: D21040-4

Fluka: 43140

Sigma: D4630

>>Derivative: Hydrochloride

Melting Point: Mp 165°

References:

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Fischer, E., *Ber.*, 1869, **29**, 207, (*synth*)

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