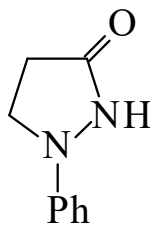




>>Entry Name: 1-Phenyl-3-pyrazolidinone, 9CI

Synonym(s): Phenidone‡



CAS Registry Number: 92-43-3

Molecular Formula: C₉H₁₀N₂O

Molecular Weight: 162.191

Accurate Mass: 162.079313

Percentage Composition: C 66.65%; H 6.21%; N 17.27%; O 9.86%

Use/Importance: Used in photography as developer. Inhibitor of the arachidonic acid cascade. Antiinflammatory

Melting Point: Mp 120-121°

Hazard & Toxicity: LD₅₀ (rat, oral) 200 mg/kg

Aldrich: 12791-4

Fluka: 79070

Sigma: P5625

>>Derivative: Hydrochloride

CAS Registry Number: 14776-33-1

Melting Point: Mp 162-163°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1441A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 395C, (*ir*)

Duffin, G.F. *et al.*, *J.C.S.*, 1954, 408, (*synth*)

Mikhailova, V.N. *et al.*, *Zh. Obshch. Khim.*, 1958, **28**, 3112, (*synth*)

Simonova, N.I., *CA*, 1964, **60**, 4127b, (*synth*)

Sbit, M. *et al.*, *Acta Cryst. C*, 1987, **43**, 718, (*cryst struct*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, PDM500