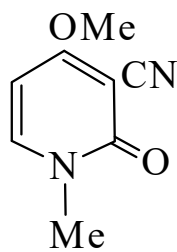




>>Entry Name: Ricinine

Synonym(s): 1,2-Dihydro-4-methoxy-1-methyl-2-oxo-3-pyridinecarbonitrile, 9Cl. 4-Methoxy-2-oxo-1-methyl-1,2-dihydronicotinonitrile. 3-Cyano-4-methoxy-1-methyl-2-pyridone. Recinine



CAS Registry Number: 524-40-3

Molecular Formula: C₈H₈N₂O₂

Molecular Weight: 164.163

Accurate Mass: 164.058578

Percentage Composition: C 58.53%; H 4.91%; N 17.06%; O 19.49%

Physical Description: Leaflets or prisms (H₂O)

Melting Point: Mp 201°

Solubility: Sol. hot H₂O

Hazard & Toxicity: Human systemic effects by ingestion, hepatotoxic, can cause death

>>Derivative: HgCl₂ compd.

Melting Point: Mp 204°

References:

- Tuson, R.V., *J.C.S.*, 1864, **17**, 195, (*isol*)
Späth, E. *et al.*, *Ber.*, 1925, **58**, 2124, (*synth, bibl*)
Robinson, W.E. *et al.*, *J. Biol. Chem.*, 1964, **239**, 4257, (*ir, uv, synth*)
Walker, G.R. *et al.*, *Anal. Biochem.*, 1966, **16**, 277, (*ms*)
Sugasawa, T., *Chem. Pharm. Bull.*, 1974, **22**, 763, (*synth, ir, pmr*)
Robinson, T., *Phytochemistry*, 1978, **17**, 1903, (*biosynth*)
Soriano-Garcia, M., *Acta Cryst. C*, 1989, **45**, 957, (*cryst struct*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979