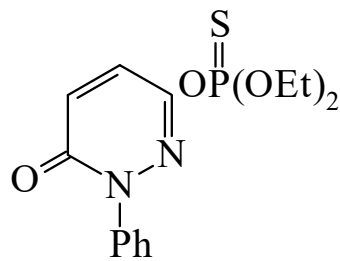




>>Entry Name: Pyridaphenthion, JMAF

Synonym(s): *O*-(1,6-Dihydro-6-oxo-1-phenyl-3-pyridazinyI) *O,O*-diethyl phosphorothioate, 9Cl. Ofunack. AC-12503. NC-250



CAS Registry Number: 119-12-0

Molecular Formula: C₁₄H₁₇N₂O₄PS

Molecular Weight: 340.339

Accurate Mass: 340.064665

Percentage Composition: C 49.41%; H 5.03%; N 8.23%; O 18.80%; P 9.10%; S 9.42%

Use/Importance: Insecticide. Cholinesterase inhibitor

Physical Description: Cryst. (MeOH)

Melting Point: Mp 56-57°

Hazard & Toxicity: LD₅₀ (rat, orl) 769 mg/kg

References:

Du Breuil, S., *J.O.C.*, 1961, **26**, 3382, (*synth, activity*)

Clark, P.H. *et al.*, *J. Econ. Entomol.*, 1965, **58**, 63, (*activity*)

Oike, M., *Jpn. Pestic. Inf.*, 1977, **33**, 9, (*rev, tox, activity*)

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Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, POP000