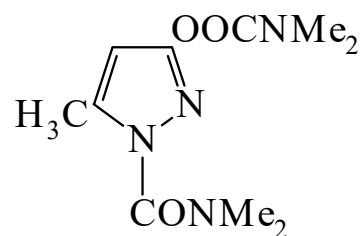




>>Entry Name: Dimetilan, BSI, ESA

Synonym(s): 1-[(1-Dimethylamino)carbonyl]-5-methyl-1*H*-pyrazol-3-yl dimethylcarbamate, 9Cl. G 22870. GS 13332. OMS 479. Snip



CAS Registry Number: 644-64-4

Type of Compound Code(s): XA4850

Molecular Formula: C₁₀H₁₆N₄O₃

Molecular Weight: 240.261

Accurate Mass: 240.122241

Percentage Composition: C 49.99%; H 6.71%; N 23.32%; O 19.98%

Use/Importance: Insecticide (cholinesterase inhibitor) for fly control. Now superseded

Physical Description: Solid

Melting Point: Mp 68-71°

Solubility: V. sol. H₂O

Calculated Log P Data: Log P 1.06 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 25 mg/kg; LD₅₀ (rat, skn) 600 mg/kg

References:

U.S. Pat., 1949, 2 681 879; *CA*, **49**, 8333f

Casina, J.E. *et al.*, *J. Econ. Entomol.*, 1960, **53**, 205

Hodgson, E. *et al.*, *Biochem. Pharmacol.*, 1961, **8**, 179, (*props*)

Gubler, K. *et al.*, *J. Sci. Food Agric.*, (Suppl.), 1968, 13

Rankin, P.C., *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1340, (*ms*)

Ramsteiner, K.A. *et al.*, *J. Chromatogr.*, 1975, **104**, 438, (*hplc*)

Hall, R.C. *et al.*, *J. Chromatogr.*, 1979, **169**, 245, (*glc*)

Pesticide Manual, 9th edn., 1991, No. 5030

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DQZ000