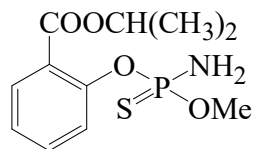




>>Entry Name: Isocarbophos

Synonym(s): 1-Methylethyl 2-[(aminomethoxyphosphinothioyl)oxy]benzoate, 9CI. Isopropyl *O*-(methoxyaminothiophosphoryl)salicylate. Isocarbofos. Optunal. Bayer 93820



CAS Registry Number: 24353-61-5

Molecular Formula: C₁₁H₁₆NO₄PS

Molecular Weight: 289.292

Accurate Mass: 289.053766

Percentage Composition: C 45.67%; H 5.57%; N 4.84%; O 22.12%; P 10.71%; S 11.08%

Biological Use/Importance: Insecticide, acaricide and ovicide

Physical Description: Cryst.

Melting Point: Mp 45-46°

Hazard & Toxicity: LD₅₀ (rat, orl) 28.5mg/kg

References:

Ger. Pat., 1970, 1 930 216; *CA*, **74**, 99652b, (*synth, activity*)

Bull, D.L. *et al.*, *J. Econ. Entomol.*, 1972, **65**, 973-976, (*metab*)

Pesticide Manual, 12th edn., 2000, No. 462