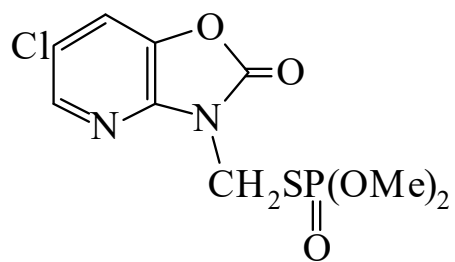




>>Entry Name: Azamethiphos, BAN, BSI, ISO

Synonym(s): *S*-[6-Chloro-2-oxooxazolo[4,5-*b*]pyridin-3(2*H*)-yl]methyl *O,O*-dimethyl phosphorothioate, 9Cl. *S*-6-Chloro-2,3-dihydro-2-oxooxazolo[4,5-*b*]pyridin-3-ylmethyl *O,O*-dimethyl phosphorothioate. Alfacron. CGA 18809. OMS 1825



CAS Registry Number: 35575-96-3

Molecular Formula: C₉H₁₀ClN₂O₅PS

Molecular Weight: 324.681

Accurate Mass: 323.973657

Percentage Composition: C 33.29%; H 3.10%; Cl 10.92%; N 8.63%; O 24.64%; P 9.54%; S 9.88%

Use/Importance: Broad spectrum contact and stomach insecticide and acaricide

Physical Description: Cryst.

Melting Point: Mp 89°

Solubility: Sl. sol. H₂O

Other Data: Unstable to strong acids and alkalis

Hazard & Toxicity: LD₅₀ (rat, orl) 1180 mg/kg

References:

Ger. Pat., 1972, 2 131 734; *CA*, **76**, 113200c, (*synth, activity*)

Egli, H., *J. Agric. Food Chem.*, 1982, **30**, 861, (*props*)

Pesticide Manual, 9th edn., 1991, No. 510

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A24