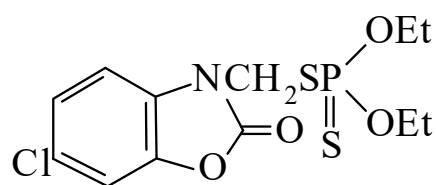




>>Entry Name: Phosalone, ANSI, BSI, ISO, JMAF

Synonym(s): *S*-[(6-Chloro-2-oxo-3(2*H*)-benzoxazolyl)methyl] *O,O*-diethyl phosphorodithioate, 9Cl. Phosphorodithioic acid *O,O*-diethyl ester *S*-ester with 6-chloro-3-(mercaptomethyl)-2-benzoxazolinone, 8Cl. *S*-(6-Chloro-2-oxobenzoxazolin-3-yl)methyl diethyl phosphorodithioate. Agria 1060. Azofene. Benzofos. Benzophosphate. Rubitox. Zolone. Zolone Flo



CAS Registry Number: 2310-17-0

Related CAS Registry Numbers(s): 12650-35-0

Molecular Formula: C₁₂H₁₅ClNO₄PS₂

Molecular Weight: 367.813

Accurate Mass: 366.986863

Percentage Composition: C 39.19%; H 4.11%; Cl 9.64%; N 3.81%; O 17.40%; P 8.42%; S 17.44%

Biological Use/Importance: Contact insecticide, acaricide, molluscicide. Cholinesterase inhibitor

Physical Description: Cryst. with garlic odour

Melting Point: Mp 47.5-48°

Solubility: Insol. H₂O, hydrocarbons

Hazard & Toxicity: LD₅₀ (rat, orl) 120-170 mg/kg. Mod. skin and eye irritant

References:

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