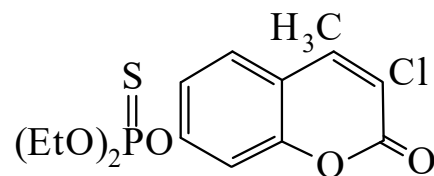




>>Entry Name: Coumafos, INN

Synonym(s): *O*-(3-Chloro-4-methyl-2-oxo-2*H*-1-benzoypran-7-yl) *O,O*-diethyl phosphorothioate, 9Cl. 3-Chloro-7-hydroxy-4-methylcoumarin *O*-ester with *O,O*-diethyl phosphorothioate, 8Cl. **Coumaphos**, BAN, BSI, ESA, ISO. Asuntol. Baymix. Co-ral. Kumafos. Meldane. Muscatox. Negasunt. Perizin. Resitox. Bayer 21/199



CAS Registry Number: 56-72-4

Molecular Formula: C₁₄H₁₆ClO₅PS

Molecular Weight: 362.77

Accurate Mass: 362.014459

Percentage Composition: C 46.35%; H 4.45%; Cl 9.77%; O 22.05%; P 8.54%; S 8.84%

Use/Importance: Insecticide, acaricide, e.g. for houseflies, cattle ticks

Melting Point: Mp 95°

Calculated Log P Data: Log P 4.33 (calc)

Other Data: Apparently no longer in widespread use.

Hazard & Toxicity: Symptoms from occup. exposure incl. nausea, headache and skin and throat irritation. LD₅₀ (rat, orl) 13 mg/kg. LD₅₀ (rbt, skn) 500 mg/kg

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