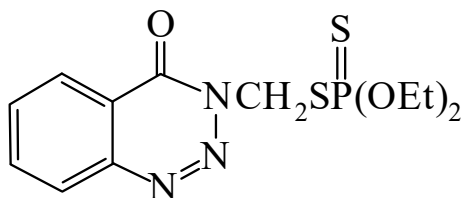




>>Entry Name: Azinphos-ethyl, BSI

Synonym(s): *O,O*-Diethyl *S*-[(4-oxo-1,2,3-benzotriazin-3(4*H*)-yl)methyl] phosphorodithioate, 9Cl. *S*-(3,4-Dihydro-4-oxobenzo[*d*][1,2,3]triazin-3-ylmethyl) *O,O*-diethyl phosphorodithioate. Gusathion A. Ethyl guthion



CAS Registry Number: 2642-71-9

Molecular Formula: C₁₂H₁₆N₃O₃PS₂

Molecular Weight: 345.382

Accurate Mass: 345.037069

Percentage Composition: C 41.73%; H 4.67%; N 12.17%; O 13.90%; P 8.97%; S 18.57%

Use/Importance: Non-systemic agricultural insecticide and acaricide

Physical Description: Needles

Melting Point: Mp 53°

Boiling Point: Bp_{0.001} 111°

Density: d₄²⁰ 1.284

Refractive Index: n_D⁵³ 1.5928

Other Data: Readily hydrolysed by alkali

Hazard & Toxicity: LD₅₀ (rat, orl) 7 mg/kg. LD₅₀ (rat, skn) 250 mg/kg

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