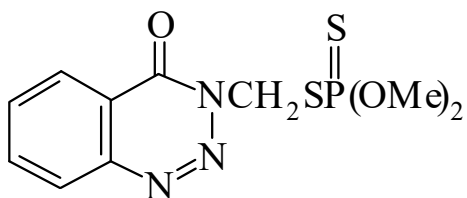




>>Entry Name: Azinphos-methyl, BSI, ISO

Synonym(s): *O,O*-Dimethyl *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*-dimethyl phosphorodithioate. Gusathion M. Guthion. Metiltriazotion. Azinphos. Cotnion



CAS Registry Number: 86-50-0

Molecular Formula: C₁₀H₁₂N₃O₃PS₂

Molecular Weight: 317.329

Accurate Mass: 317.005769

Percentage Composition: C 37.85%; H 3.81%; N 13.24%; O 15.13%; P 9.76%; S 20.21%

Use/Importance: Non-systemic insecticide and acaricide with long persistence. Indirect cholinesterase inhibitor

Physical Description: Cryst.

Melting Point: Mp 73-74°

Solubility: V. spar. sol. H₂O; v. sol CHCl₃, toluene

Other Data: Rapidly hydrolysed by aq. alkali or acid. Unstable at 200°

Hazard & Toxicity: LD₅₀ (rat, orl) 7 mg/kg. LD₅₀ (rat, skn) 88 mg/kg. Exp. reprod. and teratogenic effects. OES: long-term 0.2 mg m⁻³; short-term 0.6 ppm (Sk)

Supelco: R60-0356

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