



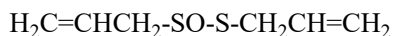
>>Entry Name: Allicin

ENTRY UNDER REVIEW

Synonym(s): S-2-Propenyl 2-propene-1-sulfinothioate, 9CI. Allitridi

CAS Registry Number: 539-86-6

Related CAS Registry Numbers(s): 72869-75-1



Molecular Formula: C₆H₁₀OS₂

Molecular Weight: 162.276

Accurate Mass: 162.017305

Percentage Composition: C 44.41%; H 6.21%; O 9.86%; S 39.52%

Source/Synthesis: Isol. from garlic (*Allium sativum*)

Use/Importance: Shows antibacterial, antineoplastic props. and limited platelet antiaggregatory activity.

Investigated for antihyperlipidaemic activity. Inhibits cholesterol synthesis *in vitro*. Antihyperglycaemic agent. Also possesses insecticidal props.

Solubility: BERDY SOL: Sol. H₂O, MeOH, Et₂O; fairly sol. hexane

UV: [neutral] λ_{max} 202 (); 240 () (MeOH) (Berdy)

Hazard & Toxicity: LD₅₀ (mus, scu) 120 mg/kg. Can cause allergic contact dermatitis in sensitized rodents and individuals ; BERDY HAZD : LD₅₀ (mus, ivn) 60 mg/kg , LD₅₀ (mus, scu) 120 mg/kg

>>Variant: (±)-form

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Physical Description: Yellow liq.

Density: d²⁰ 1.11

References: