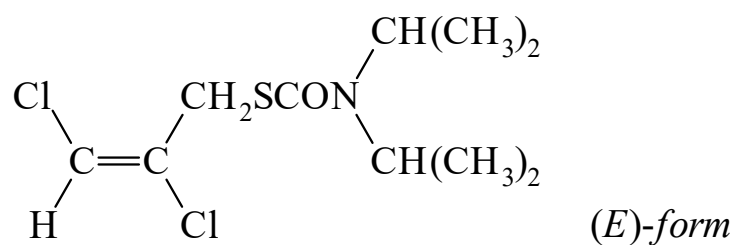




>>Entry Name: Diallylate, BSI

Synonym(s): *S*-(2,3-Dichloro-2-propenyl) bis(1-methylethyl)carbamothioate, 9Cl. *S*-2,3-Dichloroallyl diisopropylthiocarbamate. Avadex



CAS Registry Number: 2303-16-4

Molecular Formula: C₁₀H₁₇Cl₂NOS

Molecular Weight: 270.222

Accurate Mass: 269.040788

Percentage Composition: C 44.45%; H 6.34%; Cl 26.24%; N 5.18%; O 5.92%; S 11.87%

Use/Importance: Herbicide

Boiling Point: Bp₉ 150°

Hazard & Toxicity: LD₅₀ (rat, orl) 395 mg/kg

Supelco: R47-2190

>>Variant: (*E*)-form

CAS Registry Number: 17708-58-6

Molecular Formula: C₁₀H₁₇Cl₂NOS

Molecular Weight: 270.222

Accurate Mass: 269.040788

Percentage Composition: C 44.45%; H 6.34%; Cl 26.24%; N 5.18%; O 5.92%; S 11.87%

Melting Point: Mp 36°

>>Variant: (*Z*)-form

CAS Registry Number: 17708-57-5

Molecular Formula: C₁₀H₁₇Cl₂NOS

Molecular Weight: 270.222

Accurate Mass: 269.040788

Percentage Composition: C 44.45%; H 6.34%; Cl 26.24%; N 5.18%; O 5.92%; S 11.87%

Physical Description: Liq.

Refractive Index: n_D⁴⁰ 1.5124

Other Data: The more active isomer

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