



>>Entry Name: 6-Methyl-5-hepten-2-one, 9CI

ENTRY UNDER REVIEW

Synonym(s): Sulcatone

CAS Registry Number: 110-93-0

Related CAS Registry Numbers(s): 409-02-9



Molecular Formula: C₈H₁₄O

Molecular Weight: 126.198

Accurate Mass: 126.104465

Percentage Composition: C 76.14%; H 11.18%; O 12.68%

Biological Source: Present in Ceylon citronella oil, lemon-grass oil and palmarosa oil. Produced by *Endoconidiophora coerulescens* and other spp. Isol. from the Australian meat ant, *Iridomyrmex purpureus*. Chemical scent constit. of urine of red fox *Vulpes vulpes*. Sex pheromone of the aphid *Alloxysta victrix*. Product of α-farnesene 1,3,6,10-Farnesatetraene JXF60-O oxidation in stored apples affected by superficial scald

Use/Importance: Intermed. in the manuf. of terpene alcohols. Insecticidal agent

Boiling Point: Bp 172-174° (161-162°). Bp₁₀ 58.5°

Hazard & Toxicity: Fl. p. 57°

Aldrich: W27073-3

Fluka: 67320

Sigma: M8137

>>Derivative: Oxime

CAS Registry Number: 22418-73-1

Molecular Formula: C₈H₁₅NO

Molecular Weight: 141.213

Accurate Mass: 141.115364

Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%

Boiling Point: Bp₁₂ 99°

>>Derivative: Semicarbazone

CAS Registry Number: 16769-68-9

Melting Point: Mp 135 approx.°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 6147-43-9

Melting Point: Mp 78°

References:

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