

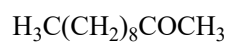


>>Entry Name: 2-Undecanone

ENTRY UNDER REVIEW

Synonym(s): Methyl nonyl ketone. Enodyl. Luparone. FEMA 3093

CAS Registry Number: 112-12-9



Molecular Formula: C₁₁H₂₂O

Molecular Weight: 170.294

Accurate Mass: 170.167065

Percentage Composition: C 77.58%; H 13.02%; O 9.40%

Biological Source: Found in palm kernel oil and soya bean oil. Important constit. of rue oil (*Ruta graveolens*) and found in many other essential oils. Constit. of alarm pheromone of weaver ant *Oecophylla longinoda*

Use/Importance: Used in perfumery and flavourings. Antifungal agent

Melting Point: Fp 15°

Boiling Point: Bp 228°. Bp₁₂ 105-106°

Hazard & Toxicity: LD₅₀ (rat, orl) 5000 mg/kg. Fl. p. 89°

Aldrich: U130-3

Fluka: 68160

>>Derivative: Oxime

CAS Registry Number: 2158-28-3

Molecular Formula: C₁₁H₂₃NO

Molecular Weight: 185.309

Accurate Mass: 185.177964

Percentage Composition: C 71.30%; H 12.51%; N 7.56%; O 8.63%

Melting Point: Mp 44-45°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 2121-90-6

Physical Description: Orange-yellow cryst.

Melting Point: Mp 63°

>>Derivative: Semicarbazone

CAS Registry Number: 820-35-9

Physical Description: Cryst. (EtOH)

Melting Point: Mp 122-123°

References:

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