



>>Entry Name: 2-Decanone, 9CI

CAS Registry Number: 693-54-9

$\text{H}_3\text{C}(\text{CH}_2)_7\text{COCH}_3$

Molecular Formula: $\text{C}_{10}\text{H}_{20}\text{O}$

Molecular Weight: 156.267

Accurate Mass: 156.151415

Percentage Composition: C 76.86%; H 12.90%; O 10.24%

Biological Source: Found in oil of rue. Attractant for the olive bane beetle *Phloetribus scarabaeoides*. Also from *Commiphora rostrata*

Use/Importance: Antifungal agent

Physical Description: Needles

Melting Point: Mp 14° (2.5°)

Boiling Point: Bp₇₅₀ 209°. Bp₁₂ 95-97°

Density: d_4^{22} 0.823

Refractive Index: n_D^{22} 1.4263

Aldrich: W51063-7

Fluka: 68230

>>Derivative: Semicarbazone

Physical Description: Plates (EtOH)

Melting Point: Mp 126° (121°)

References:

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