



>>Entry Name: 3-Nonanone

ENTRY UNDER REVIEW

Synonym(s): FEMA 3440

CAS Registry Number: 925-78-0

$\text{H}_3\text{C}(\text{CH}_2)_5\text{COCH}_2\text{CH}_3$

Molecular Formula: $\text{C}_9\text{H}_{18}\text{O}$

Molecular Weight: 142.241

Accurate Mass: 142.135765

Percentage Composition: C 76.00%; H 12.75%; O 11.25%

Biological Source: Insect alarm pheromone; component of some beetle defence secretions

Physical Description: Liq. with a pungent, leafy, herbaceous and fruity flavour

Melting Point: Fp -8°

Boiling Point: Bp 190° . Bp₂₀ 86°

Density: d^{20}_4 0.825

Refractive Index: n^{20}_D 1.4200

Aldrich: 25951-9

Fluka: 4090

>>Derivative: Oxime

CAS Registry Number: 22418-72-0

Molecular Formula: $\text{C}_9\text{H}_{19}\text{NO}$

Molecular Weight: 157.255

Accurate Mass: 157.146664

Percentage Composition: C 68.74%; H 12.18%; N 8.91%; O 10.17%

Physical Description: Liq.

Boiling Point: Bp₁ 70°

>>Derivative: Phenylhydrazone

Physical Description: Amber oil

Boiling Point: Bp₁₅ $190-192^\circ$

>>Derivative: Semicarbazone

CAS Registry Number: 1669-37-0

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp $111-112^\circ$

References:

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