



>>Entry Name: 6-Undecanone

Synonym(s): Dipentyl ketone. Diamyl ketone. Pentyl ketone. Amyl ketone

CAS Registry Number: 927-49-1



Molecular Formula: $\text{C}_{11}\text{H}_{22}\text{O}$

Molecular Weight: 170.294

Accurate Mass: 170.167065

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

Biological Source: Constit. of *Oenothera odorata* and *Osmanthus fragrans*

Melting Point: Mp 14-15°

Boiling Point: Bp 226°. Bp₉ 100-104°

Hazard & Toxicity: LD₅₀ (mus, ivn) 117 mg/kg

Aldrich: 13699-9

>>Derivative: Oxime

CAS Registry Number: 32504-26-0

Molecular Formula: $\text{C}_{11}\text{H}_{23}\text{NO}$

Molecular Weight: 185.309

Accurate Mass: 185.177964

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

Use/Importance: Has bactericidal activity

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 412B, (*ir*)

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Sabatier, E.E. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1914, **158**, 832, (*synth*)

Lippmaa, E. *et al.*, *CA*, 1968, **69**, 111930, (*cmr*)

Di Paolo, T., *J. Pharm. Sci.*, 1978, **67**, 566, (*pharmacol, tox*)

Mistryukov, E.A. *et al.*, *Synthesis*, 1984, 947, (*synth, pmr*)

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