



>>Entry Name: 4-Decanone, 9CI

CAS Registry Number: 624-16-8

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

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: Constit. of the flower of *Chimonanthus praecox*

Melting Point: Mp -9°

Boiling Point: Bp $206-207^\circ$. Bp₁₁ $87-89^\circ$

Density: d_4^{21} 0.824

Aldrich: 19467-0

>>Derivative: Semicarbazone

Melting Point: Mp $51-52^\circ$

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 411D, (*ir*)

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 640C, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 497A, (*ir*)

Karrer, P. *et al.*, *Helv. Chim. Acta*, 1930, **13**, 1300, (*synth*)

Georges, S. *et al.*, *Bull. Soc. Chim. Fr.*, 1972, 4233, (*synth*)

Waters, W.L. *et al.*, *J.O.C.*, 1976, **41**, 889, (*synth*)

Zheng, Y. *et al.*, *CA*, 1991, **115**, 46026j, (*isol*)