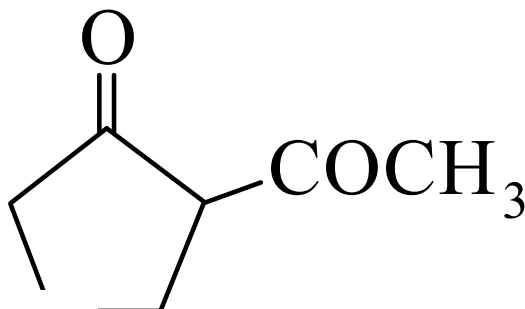




>>Entry Name: 2-Acetylcyclopentanone

Synonym(s): 2-(1-Hydroxyethylidene)cyclopentanone, 9CI



CAS Registry Number: 1670-46-8

Related CAS Registry Numbers(s): 91034-59-2

Molecular Formula: $C_7H_{10}O_2$

Molecular Weight: 126.155

Accurate Mass: 126.06808

Percentage Composition: C 66.65%; H 7.99%; O 25.36%

Boiling Point: Bp₂₄ 101-103°. Bp₁₅ 85-90°

pKa Value: pK_{a1} 7.82 (20°)

Aldrich: 17977-9

Fluka: 1038

>>Derivative: Bis-2,4-dinitrophenylhydrazone

Physical Description: Cryst. (EtOAc/C₆H₆)

Melting Point: Mp 223°

References:

- Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **1**, 700B, (nmr)
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 428C, (ir)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 514A, (ir)
Jacquier, R. *et al.*, *Bull. Soc. Chim. Fr.*, 1967, 316, (synth)
Nasipuri, D. *et al.*, *J. Indian Chem. Soc.*, 1967, **44**, 620, (synth)
Mao, C.-L. *et al.*, *J.O.C.*, 1969, **34**, 1425, (synth)
Paine, J.B. *et al.*, *J.O.C.*, 1987, **52**, 3986, (synth, props, bibl)