



>>Entry Name: 1-Acetylcyclopentene

Synonym(s): 1-(1-Cyclopenten-1-yl)ethanone, 9CI. 1-Cyclopenten-1-yl methyl ketone, 8CI



CAS Registry Number: 16112-10-0

Molecular Formula: C₇H₁₀O

Molecular Weight: 110.155

Accurate Mass: 110.073165

Percentage Composition: C 76.33%; H 9.15%; O 14.52%

Physical Description: Oil

Boiling Point: Bp₂₂ 75-78°. Bp₁₆ 67°

Refractive Index: n_D²⁰ 1.4812

Aldrich: 46643-3

>>Derivative: Semicarbazone

Physical Description: Needles (EtOH)

Melting Point: Mp 211-212°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Bright-red needles

Melting Point: Mp 203°

References:

Rapson, W.G. *et al.*, *J.C.S.*, 1935, 1285, (*synth*)

Heilbron, I. *et al.*, *J.C.S.*, 1949, 1827, (*synth*)

Zhang, P. *et al.*, *Synth. Commun.*, 1986, **16**, 957, (*synth, ir, uv*)