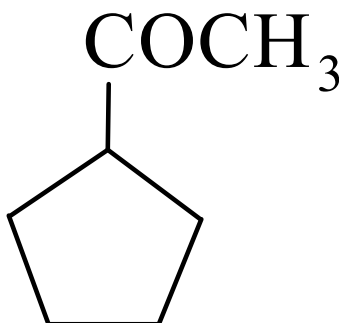




>>Entry Name: Acetylcyclopentane

Synonym(s): 1-Cyclopentylethanone, 9CI. Cyclopentyl methyl ketone



CAS Registry Number: 6004-60-0

Molecular Formula: C<sub>7</sub>H<sub>12</sub>O

Molecular Weight: 112.171

Accurate Mass: 112.088815

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Boiling Point: Bp<sub>20</sub> 158-159.5°

Density: d<sub>20</sub> 0.918

Rare Chemicals Library: S1319-7

>>Derivative: Semicarbazone

Physical Description: Cryst. (Me<sub>2</sub>CO)

Melting Point: Mp 145°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 56581-71-6

Melting Point: Mp 127°

#### References:

Goldsworthy, L.J., *J.C.S.*, 1931, 482, (*synth*)

Nenitzescu, C.D. *et al.*, *Ber.*, 1936, **69**, 1820, (*synth*)

Caron, G. *et al.*, *Can. J. Chem.*, 1973, **51**, 981, (*synth*)

Ismailov, A.G. *et al.*, *CA*, 1975, **83**, 96493a, (*use*)