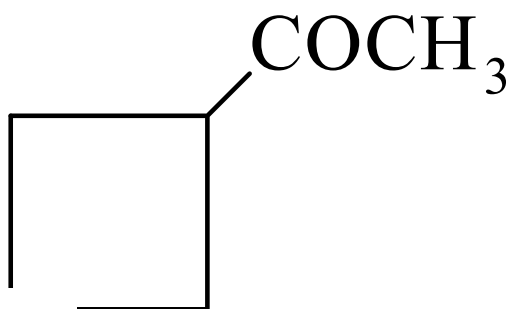




>>Entry Name: Acetylcyclobutane

Synonym(s): Cyclobutylethanone, 9CI. Cyclobutyl methyl ketone



CAS Registry Number: 3019-25-8

Molecular Formula: $C_6H_{10}O$

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Boiling Point: Bp 137-139°

Solubility: Spar. sol. H_2O

Refractive Index: n_D^{20} 1.4315

Aldrich: 39448-3

>>Derivative: Semicarbazone

Melting Point: Mp 148-149°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 790-13-6

Melting Point: Mp 120-121°

References:

Zelinsky, N. *et al.*, *Ber.*, 1903, **41**, 2432, (*synth*)

Mousseron, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1957, 600, (*synth*)

Daignault, L.G. *et al.*, *J.A.C.S.*, 1958, **80**, 541, (*synth*)