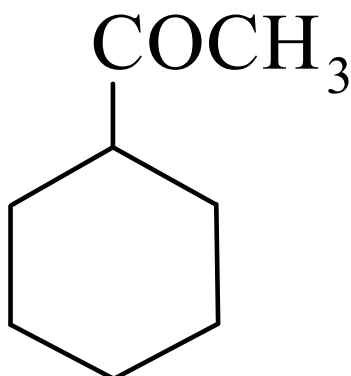




>>Entry Name: Acetylcyclohexane

Synonym(s): 1-Cyclohexylethanone, 9CI. Cyclohexyl methyl ketone



CAS Registry Number: 823-76-7

Molecular Formula: C₈H₁₄O

Molecular Weight: 126.198

Accurate Mass: 126.104465

Percentage Composition: C 76.14%; H 11.18%; O 12.68%

Physical Description: Liq.

Boiling Point: Bp₂₀ 180-181°

Density: d₄¹⁶ 0.925

Fluka: 29465

Rare Chemicals Library: S64974-0

>>Derivative: Semicarbazone

Physical Description: Cryst. (MeOH)

Melting Point: Mp 177°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 1160-74-3

Melting Point: Mp 140-141°

References:

Hell, C. *et al.*, *Ber.*, 1907, **40**, 4163, (*synth*)

Nenitzescu, C.D. *et al.*, *Ber.*, 1936, **69**, 1821, (*synth*)

Org. Synth., 1969, **49**, 81, (*use*)

Cottier, L. *et al.*, *Bull. Soc. Chim. Fr.*, 1972, **3**, 1072, (*synth*)

Zadel, G. *et al.*, *Angew. Chem., Int. Ed.*, 1992, **31**, 1035, (*synth*)