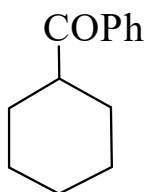




>>Entry Name: Benzoylcyclohexane

Synonym(s): Cyclohexylphenylmethanone, gCl. Cyclohexyl phenyl ketone. Hexahydrobenzophenone



CAS Registry Number: 712-50-5

Molecular Formula: C₁₃H₁₆O

Molecular Weight: 188.269

Accurate Mass: 188.120115

Percentage Composition: C 82.94%; H 8.57%; O 8.50%

Physical Description: Needles (petrol)

Melting Point: Mp 59-60°

Boiling Point: Bp₁₈ 164-165°

Hazard & Toxicity: LD₅₀ (mus, ipr) 200 mg/kg

Aldrich: 13921-1

Fluka: 29490

>>Derivative: Semicarbazone

CAS Registry Number: 839-97-4

Melting Point: Mp 175° (168-169°)

>>Derivative: (E)-Oxime

CAS Registry Number: 23554-71-4

Molecular Formula: C₁₃H₁₇NO

Molecular Weight: 203.283

Accurate Mass: 203.131014

Percentage Composition: C 76.81%; H 8.43%; N 6.89%; O 7.87%

Physical Description: Prisms (EtOH)

Melting Point: Mp 111°

>>Derivative: (Z)-Oxime

CAS Registry Number: 23517-35-3

Physical Description: Needles (EtOH)

Melting Point: Mp 158°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 1248-51-7

Melting Point: Mp 201-202° (192°)

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