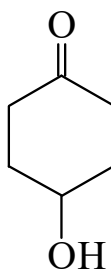




>>Entry Name: 4-Hydroxycyclohexanone, 9CI



CAS Registry Number: 13482-22-9

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Boiling Point: Bp_{0.6} 83-85°. Bp_{0.2} 71-76°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Cryst. (EtOH)

Melting Point: Mp 151-152°

>>Derivative: Semicarbazone

Melting Point: Mp 182°

>>Derivative: Ac

CAS Registry Number: 41043-88-3

Molecular Formula: C₈H₁₂O₃

Molecular Weight: 156.181

Accurate Mass: 156.078645

Percentage Composition: C 61.52%; H 7.74%; O 30.73%

Boiling Point: Bp₁₁ 112-114°

>>Derivative: Benzoyl

CAS Registry Number: 23510-95-4

Molecular Formula: C₁₃H₁₄O₃

Molecular Weight: 218.252

Accurate Mass: 218.094295

Percentage Composition: C 71.54%; H 6.47%; O 21.99%

Melting Point: Mp 63-64°

>>Derivative: Benzoyl, 2,4-dinitrophenylhydrazone

Physical Description: Yellow needles (EtOH/EtOAc)

Melting Point: Mp 161°

>>Derivative: Me ether

Synonym(s): 4-Methoxycyclohexanone

Molecular Formula: C₇H₁₂O₂

Molecular Weight: 128.171

Accurate Mass: 128.08373

Percentage Composition: C 65.60%; H 9.44%; O 24.97%

Physical Description: No phys. props. reported

>>Variant: Enol-form

Synonym(s): 1-Cyclohexene-1,4-diol

CAS Registry Number: 134926-00-4

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%