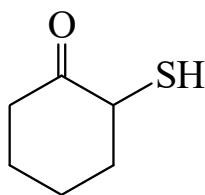




>>Entry Name: 2-Mercaptocyclohexanone



CAS Registry Number: 42904-05-2

Molecular Formula: C₆H₁₀OS

Molecular Weight: 130.21

Accurate Mass: 130.045235

Percentage Composition: C 55.35%; H 7.74%; O 12.29%; S 24.63%

>>Variant: (±)-form

Molecular Formula: C₆H₁₀OS

Molecular Weight: 130.21

Accurate Mass: 130.045235

Percentage Composition: C 55.35%; H 7.74%; O 12.29%; S 24.63%

>>Derivative: S-Me

Synonym(s): 2-(Methylthio)cyclohexanone

CAS Registry Number: 52190-35-9

Molecular Formula: C₇H₁₂OS

Molecular Weight: 144.237

Accurate Mass: 144.060885

Percentage Composition: C 58.29%; H 8.39%; O 11.09%; S 22.23%

Boiling Point: Bp₆ 71-72°. Bp₁ 54°

Aldrich: 42520-6

>>Derivative: S-Me, S,S-Dioxide

Synonym(s): 2-(Methylsulfonyl)cyclohexanone

CAS Registry Number: 16096-71-2

Molecular Formula: C₇H₁₂O₃S

Molecular Weight: 176.236

Accurate Mass: 176.050715

Percentage Composition: C 47.71%; H 6.86%; O 27.24%; S 18.19%

Physical Description: Cryst. (hexane)

Melting Point: Mp 55-56°

>>Derivative: S-Ph

Synonym(s): 2-Phenylthiocyclohexanone

CAS Registry Number: 27920-40-7

Molecular Formula: C₁₂H₁₄OS

Molecular Weight: 206.308

Accurate Mass: 206.076535

Percentage Composition: C 69.86%; H 6.84%; O 7.76%; S 15.54%

Physical Description: Oil

Boiling Point: Bp₁ 142-144°

References:

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