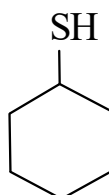




>>Entry Name: Cyclohexanethiol, 9CI

Synonym(s): Hexahydrothiophenol. Mercaptocyclohexane. Cyclohexyl mercaptan



CAS Registry Number: 1569-69-3

Molecular Formula: C₆H₁₂S

Molecular Weight: 116.227

Accurate Mass: 116.06597

Percentage Composition: C 62.00%; H 10.41%; S 27.59%

Physical Description: Oil

Boiling Point: Bp 158-160° (155°)

Solubility: Sol. EtOH, CHCl₃, insol. H₂O

Density: d⁰ 0.991

Refractive Index: n_D²⁰ 1.4911

Other Data: Steam-volatile

Hazard & Toxicity: Eye and skin irritant. Flammable, fl. p. 43°

Aldrich: C10560-0

Fluka: 29461

>>Derivative: Ac

Synonym(s): S-Cyclohexyl ethanethioate

CAS Registry Number: 10039-63-1

Molecular Formula: C₈H₁₄OS

Molecular Weight: 158.264

Accurate Mass: 158.076535

Percentage Composition: C 60.71%; H 8.92%; O 10.11%; S 20.26%

Boiling Point: Bp₁₅ 90-91°

>>Derivative: Benzoyl

Synonym(s): S-Cyclohexyl benzenecarbothioate

CAS Registry Number: 10035-90-2

Molecular Formula: C₁₃H₁₆OS

Molecular Weight: 220.335

Accurate Mass: 220.092185

Percentage Composition: C 70.87%; H 7.32%; O 7.26%; S 14.55%

Boiling Point: Bp₂ 123-125°

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