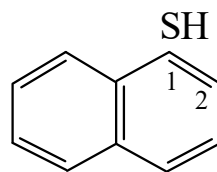




>>Entry Name: 1-Naphthalenethiol

Synonym(s): 1-Naphthyl mercaptan. 1-Mercaptonaphthalene. α -Thionaphthol



CAS Registry Number: 529-36-2

Molecular Formula: $C_{10}H_8S$

Molecular Weight: 160.239

Accurate Mass: 160.03467

Percentage Composition: C 74.96%; H 5.03%; S 20.01%

Physical Description: Oil

Boiling Point: Bp_{200} 208.5°. Bp_2 138-140°

Solubility: Spar. sol. aq. alkalis

Density: d_4^{20} 1.161

pKa Value: pK_a 6.34 (25°)

Refractive Index: n_D^{20} 1.6802

Other Data: Steam-volatile

>>Derivative: S-Ac

Molecular Formula: $C_{12}H_{10}OS$

Molecular Weight: 202.276

Accurate Mass: 202.045235

Percentage Composition: C 71.25%; H 4.98%; O 7.91%; S 15.85%

Boiling Point: Bp_{15} 188°

>>Derivative: S-Me

>>Derivative: S-Et

Synonym(s): 1-(Ethylthio)naphthalene. Ethyl 1-naphthyl sulfide

CAS Registry Number: 17539-31-0

Molecular Formula: $C_{12}H_{12}S$

Molecular Weight: 188.293

Accurate Mass: 188.06597

Percentage Composition: C 76.55%; H 6.42%; S 17.03%

Boiling Point: Bp_{25} 175-176°

Density: d_4^0 1.12

>>Derivative: S-Ph

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