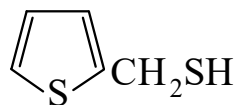




>>Entry Name: 2-Thiophenemethanethiol, 9CI, 8CI

ENTRY UNDER REVIEW

Synonym(s): 2-Mercaptomethylthiophene. 2-Thenylthiol. 2-Thenyl mercaptan



CAS Registry Number: 6258-63-5

Molecular Formula: C₅H₆S₂

Molecular Weight: 130.234

Accurate Mass: 129.99109

Percentage Composition: C 46.11%; H 4.64%; S 49.24%

Use/Importance: Flavouring ingredient

Boiling Point: Bp₁₅ 86°

Density: d₄¹⁵ 1.17

>>Derivative: S-Me

Synonym(s): 2-[(Methylthio)methyl]thiophene. Methyl 2-thenyl sulfide

CAS Registry Number: 22906-17-8

Molecular Formula: C₆H₈S₂

Molecular Weight: 144.261

Accurate Mass: 144.00674

Percentage Composition: C 49.96%; H 5.59%; S 44.46%

Physical Description: Liq. with strong disagreeable odour

Boiling Point: Bp₁₅ 101-103°. Bp₂ 56-60°

Density: d₄²⁰ 1.146

Refractive Index: n_D²⁰ 1.5775

>>Derivative: S-Me, S,S-dioxide

Synonym(s): 2-[(Methylsulfonyl)methyl]thiophene. Methyl 2-thenyl sulfone

CAS Registry Number: 18185-60-9

Molecular Formula: C₆H₈O₂S₂

Molecular Weight: 176.26

Accurate Mass: 175.99657

Percentage Composition: C 40.89%; H 4.57%; O 18.15%; S 36.38%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 94-95°

>>Derivative: S-Et

Synonym(s): 2-[(Ethylthio)methyl]thiophene. Ethyl 2-thenyl sulfide

CAS Registry Number: 19175-56-5

Molecular Formula: C₇H₁₀S₂

Molecular Weight: 158.288

Accurate Mass: 158.02239

Percentage Composition: C 53.12%; H 6.37%; S 40.52%

Physical Description: Liq.

Boiling Point: Bp₉ 93-94°. Bp₃ 66-69°

>>Derivative: S-Et, S,S-dioxide

Synonym(s): 2-[(Ethylsulfonyl)methyl]thiophene. Ethyl 2-thenyl sulfone

Molecular Formula: C₇H₁₀O₂S₂

Molecular Weight: 190.287

Accurate Mass: 190.01222

Percentage Composition: C 44.18%; H 5.30%; O 16.82%; S 33.70%

Physical Description: Cryst.

Melting Point: Mp 55-56°