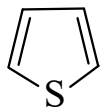




>>Entry Name: Thiophene, 9CI, 8CI

Synonym(s): Thiofuran. Thiacyclopentadiene. Thiaphene



CAS Registry Number: 110-02-1

Related CAS Registry Numbers(s): 27092-46-2

Molecular Formula: C₄H₄S

Molecular Weight: 84.142

Accurate Mass: 84.00337

Percentage Composition: C 57.10%; H 4.79%; S 38.11%

Source/Synthesis: Occurs in coal tar. Formerly a major impurity in coml. benzene

Physical Description: Liq.

Melting Point: Mp -38.3°

Boiling Point: Bp 84°

Density: d₄²⁰ 1.06

Refractive Index: n_D²⁰ 1.5246

Other Data: Stable to at least 340°

Hazard & Toxicity: Highly flammable, fl. p. -1/-6°. Reacts violently with fuming HNO₃. Severe eye irritant. LD₅₀ (rat, orl) 1400 mg/kg

Aldrich: T3180-1

Fluka: 88970

Sigma: T8136

Supelco: 44-2802

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