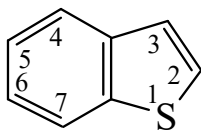




>>Entry Name: Benzo[*b*]thiophene, 9CI

Synonym(s): Thianaphthene. Benzothiofuran. 1-Thiaindene. Thionaphthene



CAS Registry Number: 95-15-8

Related CAS Registry Numbers(s): 51500-42-6

Extra CAS Registry Numbers(s): 11095-43-5

Molecular Formula: C₈H₆S

Molecular Weight: 134.201

Accurate Mass: 134.01902

Percentage Composition: C 71.60%; H 4.51%; S 23.89%

Source/Synthesis: Present in coal tars

Physical Description: Leaflets with naphthalene odour

Melting Point: Mp 32°

Boiling Point: Bp 221-222°. Bp₂₀ 103-105°

Other Data: Steam-volatile

Aldrich: T2740-5

Fluka: 12808

>>Derivative: Picrate

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 149°

>>Derivative: *S,S*-Dioxide

CAS Registry Number: 825-44-5

Molecular Formula: C₈H₆O₂S

Molecular Weight: 166.2

Accurate Mass: 166.00885

Percentage Composition: C 57.81%; H 3.64%; O 19.25%; S 19.29%

Melting Point: Mp 142-143°

Rare Chemicals Library: S85241-4

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