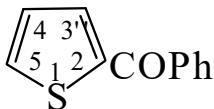




>>Entry Name: **2-Benzoylthiophene**

Synonym(s): Phenyl-2-thienylmethanone, 9Cl. Phenyl 2-thienyl ketone, 8Cl



CAS Registry Number: 135-00-2

Molecular Formula: C₁₁H₈OS

Molecular Weight: 188.25

Accurate Mass: 188.029585

Percentage Composition: C 70.18%; H 4.28%; O 8.50%; S 17.03%

Physical Description: Needles (petrol)

Melting Point: Mp 56.5-57°

Boiling Point: Bp 300°. Bp₃ 141-142°

Aldrich: B1480-9

Rare Chemicals Library: S9122-8

>>Derivative: (*E*)-Oxime

CAS Registry Number: 70608-21-8

Molecular Formula: C₁₁H₉NOS

Molecular Weight: 203.264

Accurate Mass: 203.040484

Percentage Composition: C 65.00%; H 4.46%; N 6.89%; O 7.87%; S 15.78%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 113-114°

>>Derivative: (*Z*)-Oxime

CAS Registry Number: 70608-22-9

Molecular Formula: C₁₁H₉NOS

Molecular Weight: 203.264

Accurate Mass: 203.040484

Percentage Composition: C 65.00%; H 4.46%; N 6.89%; O 7.87%; S 15.78%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 114°

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