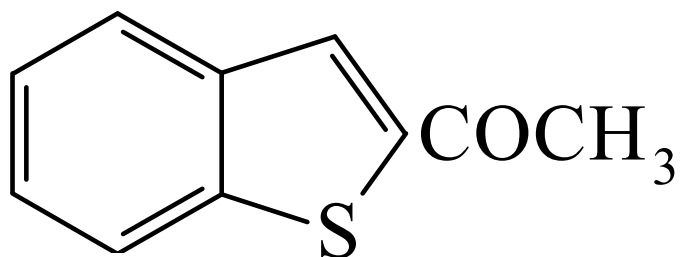




>>Entry Name: 2-Acetylbenzo[*b*]thiophene

Synonym(s): 1-Benzo[*b*]thien-2-ylethanone, 9CI



CAS Registry Number: 22720-75-8

Molecular Formula: C₁₀H₈OS

Molecular Weight: 176.239

Accurate Mass: 176.029585

Percentage Composition: C 68.15%; H 4.58%; O 9.08%; S 18.19%

Physical Description: Light yellow solid

Melting Point: Mp 88-89°

>>Derivative: Oxime

Molecular Formula: C₁₀H₉NOS

Molecular Weight: 191.253

Accurate Mass: 191.040484

Percentage Composition: C 62.80%; H 4.74%; N 7.32%; O 8.37%; S 16.77%

Melting Point: Mp 165-167°

References:

Hsiao, C. *et al.*, *Synth. Commun.*, 1990, **20**, 1687, (*synth, bibl*)

Kolasa, T. *et al.*, *Synth. Commun.*, 1993, **23**, 743, (*oxime*)