



>>Entry Name: **2-Acetyl-5-chlorothiophene**

Synonym(s): 1-(5-Chloro-2-thienyl)ethanone, 9Cl

CAS Registry Number: 6310-09-4

Molecular Formula: C₆H₅ClOS

Molecular Weight: 160.624

Accurate Mass: 159.974962

Percentage Composition: C 44.87%; H 3.14%; Cl 22.07%; O 9.96%; S 19.96%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 52° (46°)

Boiling Point: Bp₁₂ 104-106°

Aldrich: 24707-3

Rare Chemicals Library: S55182-1

>>Derivative: Semicarbazone

Melting Point: Mp 233-234°

References:

Gattermann, L. *et al.*, *Ber.*, 1886, **19**, 688, (*synth*)

Hartough, H.D. *et al.*, *J.A.C.S.*, 1947, **69**, 1015, (*synth*)

Szmant, H.H. *et al.*, *J.A.C.S.*, 1951, **73**, 4521, (*synth, uv*)

Kooreman, H.J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1967, **86**, 37, (*synth*)

D'Auria, M. *et al.*, *Synthesis*, 1995, 248, (*synth*)