



>>Entry Name: 3-Acetylthiophene

Synonym(s): 1-(3-Thienyl)ethanone, 9CI. Methyl 3-thienyl ketone. 3-Acetothenone

CAS Registry Number: 1468-83-3

Related CAS Registry Numbers(s): 39709-34-7

Molecular Formula: C₆H₆OS

Molecular Weight: 126.179

Accurate Mass: 126.013935

Percentage Composition: C 57.11%; H 4.79%; O 12.68%; S 25.41%

Use/Importance: Organoleptic

Melting Point: Mp 61-62°

Boiling Point: Bp₅ 78-79°

Aldrich: 19632-0

Fluka: 1492

>>Derivative: Phenylhydrazone

Melting Point: Mp 114°

>>Derivative: Semicarbazone

Melting Point: Mp 173-174°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 54B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 597B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1473C, (*ir*)

Macdowell, D.W.H. *et al.*, *J. Het. Chem.*, 1965, **2**, 44, (*synth*)

Clarke, J.A. *et al.*, *Tet. Lett.*, 1975, 4705, (*synth*)

Macco, A.A. *et al.*, *J.O.C.*, 1978, **43**, 1591, (*synth, pmr*)

Collins, S. *et al.*, *J.O.C.*, 1990, **55**, 3565, (*synth*)