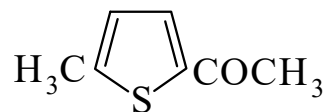




>>Entry Name: 2-Acetyl-5-methylthiophene

ENTRY UNDER REVIEW

Synonym(s): 1-(5-Methyl-2-thienyl)ethanone, 9CI. Methyl 5-methyl-2-thienyl ketone



CAS Registry Number: 13679-74-8

Molecular Formula: C₇H₈OS

Molecular Weight: 140.206

Accurate Mass: 140.029585

Percentage Composition: C 59.97%; H 5.75%; O 11.41%; S 22.87%

Biological Source: Organoleptic. Constit. of coffee aroma.

Melting Point: Mp 25°

Boiling Point: Bp 232-233°. Bp₈ 98-100°

Rare Chemicals Library: S55203-8

>>Derivative: Oxime

CAS Registry Number: 1956-44-1

Molecular Formula: C₇H₉NOS

Molecular Weight: 155.22

Accurate Mass: 155.040484

Percentage Composition: C 54.17%; H 5.84%; N 9.02%; O 10.31%; S 20.66%

Melting Point: Mp 125°

Rare Chemicals Library: S75573-7

>>Derivative: Semicarbazone

Melting Point: Mp 215-217 dec.°

References:

Stoll, M. *et al.*, *Helv. Chim. Acta*, 1967, **50**, 628, (*isol*)

Kaper, L. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1970, **81**, 825, (*uv*)

Bagli, J. *et al.*, *J. Med. Chem.*, 1976, **19**, 876, (*synth*)

Drage, J.S. *et al.*, *Organometallics*, 1985, **4**, 389, (*synth, pmr*)

Spinelli, D. *et al.*, *Acta Chem. Scand.*, 1993, **47**, 160, (*cmr, O-17 nmr*)