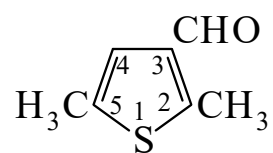




>>Entry Name: **2,5-Dimethyl-3-thiophenecarboxaldehyde**

Synonym(s): 3-Formyl-2,5-dimethylthiophene



CAS Registry Number: 26421-44-3

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%

Physical Description: Light-yellow oil

Boiling Point: Bp₂₅ 116-117°

>>Derivative: Phenylhydrazone

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 95-96°

References:

Weston, W. *et al.*, *J.A.C.S.*, 1950, **72**, 1422, (*synth*)

Glaze, A.P. *et al.*, *J.C.S. Perkin 1*, 1985, 957, (*synth, pmr*)

Comins, D.L. *et al.*, *J.O.C.*, 1987, **52**, 104, (*synth, pmr*)