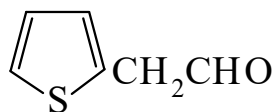




>>Entry Name: 2-Thiopheneacetaldehyde, 9CI

Synonym(s): (2-Thienyl)acetaldehyde



CAS Registry Number: 15022-15-8

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%

Physical Description: Oil with rose-like odour

Boiling Point: Bp₈ 69-74°. Bp₄ 52-54°

Refractive Index: n_D²⁰ 1.5167

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 98-100°

>>Derivative: Semicarbazone

Melting Point: Mp 131-132°

References:

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Winterfeldt, E., *Chem. Ber.*, 1963, **96**, 3349-3358, (*synth, ir, uv*)

Moskal, J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1986, **105**, 141-142, (*synth*)

Lemini, C. *et al.*, *Synth. Commun.*, 1995, **25**, 2695-2702, (*synth*)