



>>Entry Name: 2,5-Dimethylbenzaldehyde

CAS Registry Number: 5779-94-2

Structure by analogy with 2,3-Dimethylbenzaldehyde, [DZV31-I](#)

Molecular Formula: C₉H₁₀O

Molecular Weight: 134.177

Accurate Mass: 134.073165

Percentage Composition: C 80.56%; H 7.51%; O 11.92%

Physical Description: Liq.

Boiling Point: Bp₇₃₈ 220°. Bp₃ 66°

Refractive Index: n_D²⁰ 1.5440

Other Data: Oxidizes rapidly on contact with air

Aldrich: 15106-8

>>Derivative: (E)-Oxime

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 64-65°

>>Derivative: (Z)-Oxime

Physical Description: Needles

Melting Point: Mp 139° (135°)

>>Derivative: Semicarbazone

CAS Registry Number: 18102-20-0

Physical Description: Needles

Melting Point: Mp 217°

>>Derivative: *p*-Nitrophenylhydrazone

Physical Description: Red cryst.

Melting Point: Mp 182°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 224° (214-215°)

References:

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Weygand, F. *et al.*, *Chem. Ber.*, 1955, **88**, 301, (*synth*)

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