>>**Entry Name: 3-Methylbenzaldehyde**
Synonym(s): *m*-Toluic aldehyde. *m*-Tolualdehyde

CAS Registry Number: 620-23-5
Extra CAS Registry Numbers(s): 1334-78-7

Molecular Formula: C_8H_8O
Molecular Weight: 120.151
Accurate Mass: 120.057515
Percentage Composition: C 79.97%; H 6.71%; O 13.32%
Boiling Point: Bp 201°. Bp_{17} 93-94°
Density: d_4^{21}1.02
Hazard & Toxicity: Fl. p. 78°

Aldrich: T3550-5
Fluka: 89840

>>**Derivative:** Semicarbazone

Melting Point: Mp 223-224°

>>**Derivative:** Hydrazone

Molecular Formula: $C_8H_{10}N_2$
Molecular Weight: 134.18
Accurate Mass: 134.084398
Percentage Composition: C 71.61%; H 7.51%; N 20.88%
Melting Point: Mp 71-72°

>>**Derivative:** Phenylhydrazone

CAS Registry Number: 59670-13-2
Melting Point: Mp 90°

>>**Derivative:** 4-Nitrophenylhydrazone

Melting Point: Mp 151-157°

>>**Derivative:** 2,4-Dinitrophenylhydrazone

CAS Registry Number: 2880-05-9
Melting Point: Mp 211.5-212.5°
Aldrich: 42968-6
Supelco: R30-3020

References:

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Costa, L. *et al.*, *J. Het. Chem.*, 1974, **11**, 943, *(synth)*
Watanabe, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 2490, *(synth)*
Schiess, P. *et al.*, *Helv. Chim. Acta*, 1976, **59**, 1745, *(pmr)*