>>**Entry Name: 4-Hydroxy-3-methylbenzaldehyde**
Synonym(s): 4-Hydroxy-*m*-tolualdehyde. *o*-Cresol-4-aldehyde. 4-Formyl-2-methylphenol

CAS Registry Number: 15174-69-3

Molecular Formula: $C_8H_8O_2$
Molecular Weight: 136.15
Accurate Mass: 136.05243
Percentage Composition: C 70.58%; H 5.92%; O 23.50%
Physical Description: Prisms (H_2O)
Melting Point: Mp 118°
Boiling Point: Bp 250-251°. Bp_{20} 140°

Aldrich: 31691-1

>>**Derivative:** Oxime

Molecular Formula: $C_8H_9NO_2$
Molecular Weight: 151.165
Accurate Mass: 151.063329
Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%
Physical Description: Needles (H_2O)
Melting Point: Mp 143.5°

>>**Derivative:** Semicarbazone

Physical Description: Needles (AcOH)
Melting Point: Mp 216°

>>**Derivative:** Ac

Molecular Formula: $C_{10}H_{10}O_3$
Molecular Weight: 178.187
Accurate Mass: 178.062995
Percentage Composition: C 67.41%; H 5.66%; O 26.94%
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 39-40°
Boiling Point: Bp 275°

>>**Derivative:** Me ether
Synonym(s): 4-Methoxy-3-methylbenzaldehyde. 3-Methyl-*p*-anisaldehyde

CAS Registry Number: 32723-67-4
Molecular Formula: $C_9H_{10}O_2$
Molecular Weight: 150.177
Accurate Mass: 150.06808
Percentage Composition: C 71.98%; H 6.71%; O 21.31%
Physical Description: Oil
Boiling Point: Bp 251°. Bp_{13} 135°
Aldrich: 15212-9
Fluka: 65780

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 953C, *(nmr)*
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Bell, F. *et al.*, *J.C.S.*, 1928, 2215
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