



>>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: C₈H₈O₂

Molecular Weight: 136.15

Accurate Mass: 136.05243

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Physical Description: Prisms (H₂O)

Melting Point: Mp 118°

Boiling Point: Bp 250-251°. Bp₂₀ 140°

Aldrich: 31691-1

>>Derivative: Oxime

Molecular Formula: C₈H₉NO₂

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 (H₂O)

Melting Point: Mp 143.5°

>>Derivative: Semicarbazone

Physical Description: Needles (AcOH)

Melting Point: Mp 216°

>>Derivative: Ac

Molecular Formula: C₁₀H₁₀O₃

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: C₉H₁₀O₂

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°. Bp₁₃ 135°

Aldrich: 15212-9

Fluka: 65780

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 953C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 117C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1298A; 1300B, (*ir*)

Bell, F. *et al.*, *J.C.S.*, 1928, 2215

Barnes, R.A. *et al.*, *J.O.C.*, 1961, **26**, 4540, (*synth*)