



>>Entry Name: 4-Hydroxy-2-methylbenzaldehyde

Synonym(s): 4-Hydroxy-*o*-tolualdehyde. *m*-Cresol-4-aldehyde. 4,2-Cresotaldehyde. 4-Formyl-3-methylphenol

CAS Registry Number: 41438-18-0

Molecular Formula: C₈H₈O₂

Molecular Weight: 136.15

Accurate Mass: 136.05243

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

Physical Description: Plates (H₂O)

Melting Point: Mp 110°

>>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%

Melting Point: Mp 151-152°

>>Derivative: Me ether

Synonym(s): 4-Methoxy-2-methylbenzaldehyde. 2-Methyl-*p*-anisaldehyde

CAS Registry Number: 52289-54-0

Molecular Formula: C₉H₁₀O₂

Molecular Weight: 150.177

Accurate Mass: 150.06808

Percentage Composition: C 71.98%; H 6.71%; O 21.31%

Physical Description: Cryst. (MeOH)

Boiling Point: Bp 257°. Bp₂₄ 150°

>>Derivative: Me ether, 2,4-dinitrophenylhydrazone

Physical Description: Cryst.

Melting Point: Mp 227-228°

References:

Gatterman, L., *Annalen*, 1907, **357**, 313

Gross, H. *et al.*, *Chem. Ber.*, 1963, **96**, 308

Hauser, F.M. *et al.*, *Synthesis*, 1987, 723, (*deriv, synth, ir, pmr, ms*)

Flippin, L.A. *et al.*, *J.O.C.*, 1996, **61**, 4872, (*Me ether, synth, pmr*)