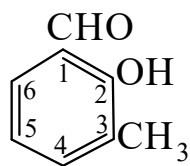




>>Entry Name: 2-Hydroxy-3-methylbenzaldehyde, 9CI

Synonym(s): 2,3-Cresotaldehyde, 8CI. 2-Hydroxy-*m*-tolualdehyde. *o*-Cresol-6-aldehyde. 3-Methylsalicylaldehyde. 2-Formyl-6-methylphenol. *o*-Homosalicylaldehyde



CAS Registry Number: 824-42-0

Molecular Formula: C₈H₈O₂

Molecular Weight: 136.15

Accurate Mass: 136.05243

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

Physical Description: Oil

Melting Point: Fp 17°

Boiling Point: Bp 208-209°

Other Data: Steam-volatile

Aldrich: 44455-3

>>Derivative: Oxime

CAS Registry Number: 51673-93-9

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 or hexane)

Melting Point: Mp 99.5°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 259°

>>Derivative: Semicarbazone

Physical Description: Needles (AcOH)

Melting Point: Mp 248 dec.°

>>Derivative: Ac

Molecular Formula: C₁₀H₁₀O₃

Molecular Weight: 178.187

Accurate Mass: 178.062995

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Boiling Point: Bp 267°

>>Derivative: Me ether

Synonym(s): 2-Methoxy-3-methylbenzaldehyde. 3-Methyl-*o*-anisaldehyde

CAS Registry Number: 67639-61-6

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: Bp₆ 120°

References:

Anselmino, O., *Ber.*, 1902, **35**, 4009

Simonsen, J.L., *J.C.S.*, 1918, **113**, 775

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

Hill, P. *et al.*, *J.C.S.*, 1937, 260

Casnati, G. *et al.*, *Tet. Lett.*, 1965, 243, (*synth*)

Christensen, H., *Synth. Commun.*, 1975, **5**, 65, (*synth*)

Bu, X.R. *et al.*, *Synth. Commun.*, 1994, **24**, 1757, (*synth*)