



>>Entry Name: 3-Hydroxybenzaldehyde, 9CI

Synonym(s): *m*-Formylphenol

CAS Registry Number: 100-83-4

Extra CAS Registry Numbers(s): 28777-87-9

Molecular Formula: C₇H₆O₂

Molecular Weight: 122.123

Accurate Mass: 122.03678

Percentage Composition: C 68.85%; H 4.95%; O 26.20%

Physical Description: Needles (H₂O), orange cryst.

Melting Point: Mp 108° (103-104°)

Boiling Point: Bp 240°. Bp₅₀ 191°

Aldrich: H1980-8

Fluka: 54580

Sigma: H5251

>>Derivative: Oxime

CAS Registry Number: 22241-18-5

Molecular Formula: C₇H₇NO₂

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

Physical Description: Two forms known

Melting Point: Mp 87-88°. Mp 138°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Prisms (xylene)

Melting Point: Mp 259°

>>Derivative: Ac

CAS Registry Number: 34231-78-2

Molecular Formula: C₉H₈O₃

Molecular Weight: 164.16

Accurate Mass: 164.047345

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Physical Description: Liq.

Boiling Point: Bp 203°

>>Derivative: Me ether

>>Derivative: Trifluoromethyl ether

CAS Registry Number: 50823-91-1

Molecular Formula: C₈H₅F₃O₂

Molecular Weight: 190.122

Accurate Mass: 190.024164

Percentage Composition: C 50.54%; H 2.65%; F 29.98%; O 16.83%

Boiling Point: Bp₂₄ 83-88°

>>Derivative: Et ether

Synonym(s): 3-Ethoxybenzaldehyde

CAS Registry Number: 22924-15-8

Molecular Formula: C₉H₁₀O₂

Molecular Weight: 150.177

Accurate Mass: 150.06808

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

Boiling Point: Bp 245°. Bp₅₀ 150°

Other Data: Steam-volatile