



>>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