



>>Entry Name: 4-Amino-2-hydroxybenzaldehyde

Synonym(s): 4-Aminosalicylaldehyde

CAS Registry Number: 52924-20-6

Molecular Formula:  $C_7H_7NO_2$

Molecular Weight: 137.138

Accurate Mass: 137.047679

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

>>Derivative: Me ether

Synonym(s): 4-Amino-2-methoxybenzaldehyde

CAS Registry Number: 1196-65-2

Molecular Formula:  $C_8H_9NO_2$

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Physical Description: Yellow cryst. ( $H_2O$ )

Melting Point: Mp 136°

>>Derivative: Me ether, *N*-Ac

Molecular Formula:  $C_{10}H_{11}NO_3$

Molecular Weight: 193.202

Accurate Mass: 193.073894

Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%

Physical Description: Pale-yellow microcryst. (xylene)

Melting Point: Mp 149-151°

>>Derivative: *N,N*-Di-Me

Synonym(s): 4-(Dimethylamino)-2-hydroxybenzaldehyde, 9CI. 4-Dimethylaminosalicylaldehyde

CAS Registry Number: 41602-56-6

Molecular Formula:  $C_9H_{11}NO_2$

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Melting Point: Mp 78-79°

Rare Chemicals Library: S60564-6

>>Derivative: *N,N*-Di-Et

CAS Registry Number: 17754-90-4

Molecular Formula:  $C_{11}H_{15}NO_2$

Molecular Weight: 193.245

Accurate Mass: 193.110279

Percentage Composition: C 68.37%; H 7.82%; N 7.25%; O 16.56%

Melting Point: Mp 67°

Aldrich: 22568-1

#### References:

Kuhn, R. *et al.*, *Chem. Ber.*, 1951, **84**, 557, (*synth, deriv*)

Baird, W.C. *et al.*, *J.A.C.S.*, 1964, **86**, 3142, (*Di-Me*)

MacKenzie, A.R. *et al.*, *Tetrahedron*, 1986, **42**, 3259, (*synth, deriv*)

Ayzanger, N.R. *et al.*, *Dyes Pigm.*, 1990, **13**, 301, (*N,N-Di-Et*)