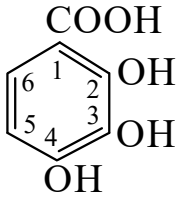
>>**Entry Name: 2,3,4-Trihydroxybenzoic acid,** 9CI
Synonym(s): Pyrogallol-4-carboxylic acid



CAS Registry Number: 610-02-6

Molecular Formula: $C_7H_6O_5$
Molecular Weight: 170.121
Accurate Mass: 170.021525
Percentage Composition: C 49.42%; H 3.55%; O 47.02%
Use/Importance: Used as 0.5 - 1% aq. soln. for extraction-photometric detn. of Ti (in the presence of antipyrine), Ge; gravimetric detn. of Ge
Physical Description: Needles + H_2O (H_2O)
Melting Point: Mp 207-208 dec.°

Aldrich: 25384-7
Fluka: 91940

>>**Derivative:** Me ester

CAS Registry Number: 56128-66-6
Molecular Formula: $C_8H_8O_5$
Molecular Weight: 184.148
Accurate Mass: 184.037175
Percentage Composition: C 52.18%; H 4.38%; O 43.44%
Physical Description: Needles + 2½ H_2O (H_2O)
Melting Point: Mp 151-152°

>>**Derivative:** Et ester

Molecular Formula: $C_9H_{10}O_5$
Molecular Weight: 198.175
Accurate Mass: 198.052825
Percentage Composition: C 54.55%; H 5.09%; O 40.37%
Physical Description: Cryst. + $1H_2O$ (H_2O)
Melting Point: Mp 102° (anhyd.)

>>**Derivative:** 2,3-Di-Ac

Molecular Formula: $C_{11}H_{10}O_7$
Molecular Weight: 254.196
Accurate Mass: 254.042655
Percentage Composition: C 51.98%; H 3.97%; O 44.06%
Physical Description: Needles + $1H_2O$ (MeOH aq.)
Melting Point: Mp 157° (anhyd.)

>>**Derivative:** Tri-Ac

Molecular Formula: $C_{13}H_{12}O_8$
Molecular Weight: 296.233
Accurate Mass: 296.05322
Percentage Composition: C 52.71%; H 4.08%; O 43.21%
Physical Description: Prisms (xylene)
Melting Point: Mp 164°

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