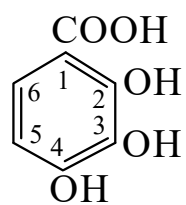




>>Entry Name: 2,3,4-Trihydroxybenzoic acid, 9CI

Synonym(s): Pyrogallol-4-carboxylic acid



CAS Registry Number: 610-02-6

Molecular Formula: C₇H₆O₅

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 + H₂O (H₂O)

Melting Point: Mp 207-208 dec.°

Aldrich: 25384-7

Fluka: 91940

>>Derivative: Me ester

CAS Registry Number: 56128-66-6

Molecular Formula: C₈H₈O₅

Molecular Weight: 184.148

Accurate Mass: 184.037175

Percentage Composition: C 52.18%; H 4.38%; O 43.44%

Physical Description: Needles + 2½ H₂O (H₂O)

Melting Point: Mp 151-152°

>>Derivative: Et ester

Molecular Formula: C₉H₁₀O₅

Molecular Weight: 198.175

Accurate Mass: 198.052825

Percentage Composition: C 54.55%; H 5.09%; O 40.37%

Physical Description: Cryst. + 1H₂O (H₂O)

Melting Point: Mp 102° (anhyd.)

>>Derivative: 2,3-Di-Ac

Molecular Formula: C₁₁H₁₀O₇

Molecular Weight: 254.196

Accurate Mass: 254.042655

Percentage Composition: C 51.98%; H 3.97%; O 44.06%

Physical Description: Needles + 1H₂O (MeOH aq.)

Melting Point: Mp 157° (anhyd.)

>>Derivative: Tri-Ac

Molecular Formula: C₁₃H₁₂O₈

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°