



Accurate Mass: 164.03209
Percentage Composition: C 36.59%; H 4.91%; O 58.49%
Physical Description: Prisms (Et₂O)
Melting Point: Mp 179°
Optical Rotation: [α]_D +45.2 (c, 2 in H₂O)

>>Derivative: Di-Me ether

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Synonym(s): 2,3-Diethoxybutanedioic acid

CAS Registry Number: 123529-99-7
Molecular Formula: C₈H₁₄O₆
Molecular Weight: 206.195
Accurate Mass: 206.07904
Percentage Composition: C 46.60%; H 6.84%; O 46.56%
Physical Description: Prisms (H₂O)
Melting Point: Mp 126-128°
Optical Rotation: [α]_D²⁰ +66.3 (c, 10 in H₂O)
pKa Value: pK_a 3.01

>>Derivative: Mono-*tert*-butyl ether
Synonym(s): 2-*tert*-Butoxy-3-hydroxybutanedioic acid

CAS Registry Number: 119197-65-8
Molecular Formula: C₈H₁₄O₆
Molecular Weight: 206.195
Accurate Mass: 206.07904
Percentage Composition: C 46.60%; H 6.84%; O 46.56%
Melting Point: Mp 67°
Optical Rotation: [α]_D²² +46 (c, 1.0 in Me₂CO)

>>Derivative: Di-*tert*-butyl ether
Synonym(s): 2,3-Di-*tert*-butoxybutanedioic acid

CAS Registry Number: 119197-66-9
Molecular Formula: C₁₂H₂₂O₆
Molecular Weight: 262.302
Accurate Mass: 262.14164
Percentage Composition: C 54.95%; H 8.45%; O 36.60%
Melting Point: Mp 134°
Optical Rotation: [α]_{Hg}²² +54.7 (c, 1 in Me₂CO)

>>Derivative: Mono-K salt
Synonym(s): Potassium bitartrate. Potassium acid tartrate. Cream of tartar

Source/Synthesis: Obt. from sediment in wine manuf.
Physical Description: Cryst.
Solubility: Sol. H₂O

>>Derivative: Di-Na salt

CAS Registry Number: 868-18-8

Molecular Formula: C₄H₄Na₂O₆
Molecular Weight: 194.052
Accurate Mass: 193.980324
Percentage Composition: C 24.76%; H 2.08%; Na 23.69%; O 49.47%
Physical Description: Cryst. +2H₂O
Other Data: Loses H₂O at 120°