



CAS Registry Number: 58477-85-3
Extra CAS Registry Numbers(s): 28843-34-7
Molecular Formula: C₁₀H₁₆N₂O₄
Molecular Weight: 228.247
Accurate Mass: 228.111008
Percentage Composition: C 52.62%; H 7.07%; N 12.27%; O 28.04%
Use/Importance: Cross-linking agent for polyacrylamide gels
Physical Description: Plates (EtOH/EtOAc)
Melting Point: Mp 183°
Optical Rotation: [α]_D²⁰+119.8 (c, 2.9 in MeOH)

>>Derivative: Bis(benzylamide)

CAS Registry Number: 88393-56-0
Molecular Formula: C₁₈H₂₀N₂O₄
Molecular Weight: 328.367
Accurate Mass: 328.142308
Percentage Composition: C 65.84%; H 6.14%; N 8.53%; O 19.49%
Use/Importance: Catalyst for the synth. of chiral epoxides
Melting Point: Mp 198-200°
Optical Rotation: [α]_D²⁰+83 (c, 5.5 in Py)

>>Derivative: Imide

>>Derivative: Di-Ac
Synonym(s): 2,3-Di-*O*-acetyltartaric acid. Diacetoxysuccinic acid

CAS Registry Number: 51591-38-9

Molecular Formula: C₈H₁₀O₈
Molecular Weight: 234.162
Accurate Mass: 234.03757
Percentage Composition: C 41.03%; H 4.30%; O 54.66%
Physical Description: Cryst. + 3H₂O (Et₂O)
Melting Point: Mp 58°
Optical Rotation: [α]_D²²-23.04 (H₂O)
Solubility: Sol. H₂O

>>Derivative: Di-Ac, anhydride
Synonym(s): 3,4-Diacetoxy-3,4-dihydro-2,5(2*H*,5*H*)-furandione, 9CI

CAS Registry Number: 6283-74-5
Molecular Formula: C₈H₈O₇
Molecular Weight: 216.147
Accurate Mass: 216.027005
Percentage Composition: C 44.45%; H 3.73%; O 51.81%
Melting Point: Mp 133-134°
Optical Rotation: [α]_D²⁰+97.2 (c, 0.47 in CHCl₃)
Aldrich: 35892-4
Fluka: 31587

>>Derivative: Bis(2,2-dimethylpropanoyl)
Synonym(s): Dipivaloyltartaric acid

CAS Registry Number: 65259-81-6
Molecular Formula: C₁₄H₂₂O₈
Molecular Weight: 318.323
Accurate Mass: 318.13147
Percentage Composition: C 52.82%; H 6.97%; O 40.21%
Use/Importance: Catalyst for asymmetric protonations
Melting Point: Mp 130-132°
Optical Rotation: [α]_D²⁵-24 (c, 1.7 in dioxan)