



Physical Description: Cryst. (CHCl₃/hexane)
Melting Point: Mp 74-76°
Boiling Point: Bp_{0.15} 147-149°
Optical Rotation: [α]_D²³ +46.3 (c, 1.02 in MeOH)

>>Derivative: Bis(dimethylamide)

CAS Registry Number: 63126-52-3
Molecular Formula: C₈H₁₆N₂O₄
Molecular Weight: 204.225
Accurate Mass: 204.111008
Percentage Composition: C 47.05%; H 7.90%; N 13.72%; O 31.34%
Melting Point: Mp 185°
Optical Rotation: [α]_D²⁰ -45 (EtOH)

>>Derivative: Bis(benzylamide)

CAS Registry Number: 108321-43-3
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: Bis(2,2-dimethylpropanoyl)

CAS Registry Number: 76969-55-6
Molecular Formula: C₁₄H₂₂O₈
Molecular Weight: 318.323
Accurate Mass: 318.13147
Percentage Composition: C 52.82%; H 6.97%; O 40.21%
Melting Point: Mp 127-130°
Optical Rotation: [α]_D²⁰ +24 (c, 1 in dioxan)

>>Derivative: Monobenzoyl

CAS Registry Number: 65582-57-2
Molecular Formula: C₁₁H₁₀O₇
Molecular Weight: 254.196
Accurate Mass: 254.042655
Percentage Composition: C 51.98%; H 3.97%; O 44.06%
Melting Point: Mp 205-206°
Optical Rotation: [α]_D²⁴ -5.1 (c, 1.3 in EtOH)

>>Derivative: Dibenzoyl

CAS Registry Number: 17026-42-5
Extra CAS Registry Numbers(s): 52223-88-8
Use/Importance: Resolving agent
Melting Point: Mp 154-156°
Boiling Point: Bp 93°
Optical Rotation: [α]_D²⁸ +116 (c, 9 in EtOH)
Aldrich: 16344-9
Fluka: 33610
Sigma: D9509