



Optical Rotation: $[\alpha]_D^{21} -58$ (c, 1 in EtOH)

>>Derivative: *N*-Benzoyl

CAS Registry Number: 2198-64-3

Molecular Formula: $C_{10}H_{11}NO_3$

Molecular Weight: 193.202

Accurate Mass: 193.073894

Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%

Melting Point: Mp 152-154°

Optical Rotation: $[\alpha]_D^{20} +37.1$ (c, 0.7 in KOH)

Sigma: B3750

>>Derivative: *N*-Benzoyl, Me ester

CAS Registry Number: 7244-67-9

Molecular Formula: $C_{11}H_{13}NO_3$

Molecular Weight: 207.229

Accurate Mass: 207.089544

Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%

Melting Point: Mp 58°

>>Derivative: *N,N*-Dipropyl

CAS Registry Number: 81854-56-0

Molecular Formula: $C_9H_{19}NO_2$

Molecular Weight: 173.255

Accurate Mass: 173.141579

Percentage Composition: C 62.39%; H 11.05%; N 8.08%; O 18.47%

Use/Importance: Chiral mobile phase for TLC/HPLC resoln. of aminoacids

Melting Point: Mp 94-95°

Optical Rotation: $[\alpha]_D^{20} +15.6$ (c, 2 in MeOH)

>>Derivative: *N*-(4-Methylbenzenesulfonyl)

CAS Registry Number: 21957-58-4

Molecular Formula: $C_{10}H_{13}NO_4S$

Molecular Weight: 243.283

Accurate Mass: 243.056529

Percentage Composition: C 49.37%; H 5.39%; N 5.76%; O 26.31%; S 13.18%

Melting Point: Mp 138.5-139°

Optical Rotation: $[\alpha]_D^{23} -6.6$ (c, 2 in EtOH)