



Accurate Mass: 145.073894
Percentage Composition: C 49.65%; H 7.64%; N 9.65%; O 33.07%
Physical Description: Oil
Optical Rotation: $[\alpha]_{\text{D}}^{20} -62.2$ (c, 1.3 in MeOH)

>> **Derivative:** *N*-Ac, methylamide

CAS Registry Number: 19701-83-8
Molecular Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{O}_2$
Molecular Weight: 144.173
Accurate Mass: 144.089878
Percentage Composition: C 49.99%; H 8.39%; N 19.43%; O 22.19%
Physical Description: Cryst. (EtOH/Et₂O)
Melting Point: Mp 182-183°
Optical Rotation: $[\alpha]_{\text{D}}^{21} -58$ (c, 1 in EtOH)

>> **Derivative:** *N*-Benzoyl

CAS Registry Number: 2198-64-3
Molecular Formula: $\text{C}_{10}\text{H}_{11}\text{NO}_3$
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: $[\alpha]_{\text{D}}^{20} +37.1$ (c, 0.7 in KOH)
Sigma: B3750

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

CAS Registry Number: 7244-67-9
Molecular Formula: $\text{C}_{11}\text{H}_{13}\text{NO}_3$
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: $\text{C}_9\text{H}_{19}\text{NO}_2$
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 resolu. of aminoacids
Melting Point: Mp 94-95°
Optical Rotation: $[\alpha]_{\text{D}}^{20} +15.6$ (c, 2 in MeOH)

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

CAS Registry Number: 21957-58-4
Molecular Formula: $\text{C}_{10}\text{H}_{13}\text{NO}_4\text{S}$
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: $[\alpha]_{\text{D}}^{23} -6.6$ (c, 2 in EtOH)

>> **Derivative:** *N*-(4-Methylbenzenesulfonyl), benzyl ester

CAS Registry Number: 42854-62-6
Molecular Formula: $\text{C}_{17}\text{H}_{19}\text{NO}_4\text{S}$
Molecular Weight: 333.407
Accurate Mass: 333.103479
Percentage Composition: C 61.24%; H 5.74%; N 4.20%; O 19.20%; S 9.62%
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 112-114°
Fluka: 5183
Other: PB A12273