>>**Derivative:** *N*-Formyl, amide

CAS Registry Number: 124070-84-4
Molecular Formula: $C_5H_{10}N_2O_2$
Molecular Weight: 130.146
Accurate Mass: 130.074228
Percentage Composition: C 46.14%; H 7.74%; N 21.52%; O 24.59%
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 160-163°

>>**Derivative:** *N-tert*-Butyloxycarbonyl

CAS Registry Number: 30992-29-1
Molecular Formula: $C_9H_{17}NO_4$
Molecular Weight: 203.238
Accurate Mass: 203.115759
Percentage Composition: C 53.19%; H 8.43%; N 6.89%; O 31.49%
Physical Description: Cryst. (Et_2O or CH_2Cl_2/hexane)
Melting Point: Mp 119-120°

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

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 202 dec.°

>>**Derivative:** *N*-Benzyloxycarbonyl

CAS Registry Number: 15030-72-5
Molecular Formula: $C_{12}H_{15}NO_4$
Molecular Weight: 237.255
Accurate Mass: 237.100109
Percentage Composition: C 60.75%; H 6.37%; N 5.90%; O 26.97%
Physical Description: Cryst. (Et_2O/petrol)
Melting Point: Mp 82-84°
Aldrich: 37094-0

>>**Derivative:** *N*-Me

CAS Registry Number: 2566-34-9
Molecular Formula: $C_5H_{11}NO_2$
Molecular Weight: 117.147
Accurate Mass: 117.078979
Percentage Composition: C 51.26%; H 9.46%; N 11.96%; O 27.31%
Use/Importance: Used in studies of sodium salt and amino acid transport
Melting Point: Mp 300°
Aldrich: 86022-0
Sigma: M2383

>>**Derivative:** *N*-Ph
Synonym(s): 2-Methyl-2-(phenylamino)propanoic acid, 9CI. 2-Anilino-2-methylpropanoic acid

Molecular Formula: $C_{10}H_{13}NO_2$
Molecular Weight: 179.218
Accurate Mass: 179.094629
Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%
Physical Description: Needles (H_2O)
Melting Point: Mp 184-185°