>>**Derivative:** *N*-Me, *O*-Ac

CAS Registry Number: 90088-50-9
Molecular Formula: $C_8H_{13}NO_4$
Molecular Weight: 187.195
Accurate Mass: 187.084459
Percentage Composition: C 51.33%; H 7.00%; N 7.48%; O 34.19%
Physical Description: Cryst. (EtOAc)
Optical Rotation: $[\alpha]_D$ +67 (c, 2 in MeOH)

>>**Derivative:** *N*-Heptyl

CAS Registry Number: 76666-35-8

Molecular Formula: $C_{12}H_{23}NO_3$
Molecular Weight: 229.319
Accurate Mass: 229.167794
Percentage Composition: C 62.85%; H 10.11%; N 6.11%; O 20.93%
Use/Importance: Hplc stationary phase for resoln. of amino acids
Sigma: H1010

>>**Derivative:** *N*-Hexadecyl

CAS Registry Number: 76652-69-2

Use/Importance: Hplc stationary phase for resoln. of amino acids
Sigma: H0885

>>**Derivative:** Me ether
Synonym(s): 4-Methoxy-2-pyrrolidinecarboxylic acid

Molecular Formula: $C_6H_{11}NO_3$
Molecular Weight: 145.158
Accurate Mass: 145.073894
Percentage Composition: C 49.65%; H 7.64%; N 9.65%; O 33.07%
Melting Point: Mp 202°
Optical Rotation: $[\alpha]_D^{20}$ –56 (c, 1 in H_2O)

>>**Derivative:** Me ether, *N*-Me
Synonym(s): *trans*-4-Methoxy-*N*-methyl-L-proline

CAS Registry Number: 131559-49-4

Molecular Formula: $C_7H_{13}NO_3$
Molecular Weight: 159.185
Accurate Mass: 159.089544
Percentage Composition: C 52.82%; H 8.23%; N 8.80%; O 30.15%
Biological Source: Alkaloid from *Petiveria alliacea*
Melting Point: Mp 251-253°
Optical Rotation: $[\alpha]_D^{20}$ –32.9 (c, 0.7 in MeOH)

>>**Variant:** (2*S*,4*S*)-form
Synonym(s): L-*allo*-form. L-*cis*-form

CAS Registry Number: 618-27-9

Molecular Formula: $C_5H_9NO_3$
Molecular Weight: 131.131
Accurate Mass: 131.058244
Percentage Composition: C 45.80%; H 6.92%; N 10.68%; O 36.60%
Biological Source: Occurs in toxic peptides of the death cap mushroom (*Amanita phalloides*)
Melting Point: Mp 238-241°
Optical Rotation: $[\alpha]_D^{18}$ –58.1
Other Data: Sweet taste
Aldrich: 21995-9
Fluka: 56248
Sigma: H1637