



CAS Registry Number: 3913-67-5
Molecular Formula: C₄H₉NO₂
Molecular Weight: 103.121
Percentage Composition: C 46.59%; H 8.80%; N 13.58%; O 31.03%
Physical Description: Needles + 1H₂O (EtOH aq.)
Melting Point: Mp 300° (260-262°)
Optical Rotation: [α]_D²³+11.2 (c, 0.56 in 6M HCl)
Sigma: M7649

>>Derivative: *N*-Me; hydrochloride

CAS Registry Number: 65672-32-4
Melting Point: Mp 165-166°
Optical Rotation: [α]_D²¹+5.7 (H₂O)

>>Derivative: *N*-(2-Hydroxyethyl)

CAS Registry Number: 24560-77-8

Molecular Formula: C₅H₁₁NO₃
Molecular Weight: 133.147
Accurate Mass: 133.073894
Percentage Composition: C 45.10%; H 8.33%; N 10.52%; O 36.05%
Biological Source: Prod. by the seaweed *Petalonia jascia*

>>Derivative: *N*-(5-Methyl-3-oxohexyl)
Synonym(s): *N*-(5-Methyl-3-oxohexyl)alanine

Molecular Formula: C₁₀H₁₉NO₃
Molecular Weight: 201.265
Accurate Mass: 201.136494
Percentage Composition: C 59.68%; H 9.51%; N 6.96%; O 23.85%
Biological Source: Constit. of *Cycas circinalis* (Cycadaceae)
Physical Description: Amorph. solid
Optical Rotation: [α]_D+100 (c, 1.1 in H₂O)

>>Derivative: *N*-(2,4-Dinitrophenyl)

CAS Registry Number: 1655-52-3
Molecular Formula: C₉H₉N₃O₆
Molecular Weight: 255.187
Accurate Mass: 255.049137
Percentage Composition: C 42.36%; H 3.55%; N 16.47%; O 37.62%
Physical Description: Yellow plates (Et₂O/petrol)
Melting Point: Mp 177°
Sigma: D7254

>>Derivative: *N*-(2,4-Dinitrophenyl), Me ester

CAS Registry Number: 10420-63-0
Molecular Formula: C₁₀H₁₁N₃O₆
Molecular Weight: 269.213
Accurate Mass: 269.064787
Percentage Composition: C 44.62%; H 4.12%; N 15.61%; O 35.66%
Physical Description: Cryst. (EtOH/petrol)
Melting Point: Mp 74-76°. Mp 80-81°
Optical Rotation: [α]_D²⁰-22 (c, 1 in toluene)
Aldrich: 37201-3