



Accurate Mass: 174.064058
Percentage Composition: C 41.38%; H 5.79%; N 16.09%; O 36.75%
Physical Description: Cryst.
Melting Point: Mp 164-165°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -2.5$ (c, 2 in H₂O)
Aldrich: 44155-4
Fluka: 915
Sigma: A5500

>>Derivative: *N*-Et

CAS Registry Number: 7195-20-2

Molecular Formula: C₆H₁₂N₂O₃
Molecular Weight: 160.172
Accurate Mass: 160.084793
Percentage Composition: C 44.99%; H 7.55%; N 17.49%; O 29.97%
Biological Source: Prod. by *Ecballium elaterium* and other spp. in Cucurbitaceae
Melting Point: Mp 243 dec.°
Optical Rotation: $[\alpha]_{\text{D}} -5$ (H₂O)

>>Derivative: *N*-Hydroxy

CAS Registry Number: 1955-68-6
Molecular Formula: C₄H₈N₂O₄
Molecular Weight: 148.118
Accurate Mass: 148.048408
Percentage Composition: C 32.44%; H 5.44%; N 18.91%; O 43.21%
Physical Description: Cryst. (EtOH aq.)
Optical Rotation: $[\alpha]_{\text{D}}^{25} +27.9$ (c, 2 in HCl aq.)
Sigma: A6508

>>Derivative: *N*-(2-Hydroxyethyl)
*see N*⁴-(2-Hydroxyethyl)asparagine, [BDF38-T](#)

>>Variant: (±)-form

CAS Registry Number: 3130-87-8
Molecular Formula: C₄H₈N₂O₃
Molecular Weight: 132.119
Accurate Mass: 132.053493
Percentage Composition: C 36.36%; H 6.10%; N 21.20%; O 36.33%
Physical Description: Cryst. + 1H₂O (EtOH/HCl aq.)
Other Data: Loses H₂O at 210°, dec. at 280-5°
Aldrich: 15357-5
Fluka: 11180
Sigma: A8256

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

Physical Description: Yellow cryst.
Melting Point: Mp 191-192°

>>Derivative: *N*²-Ac

CAS Registry Number: 16473-76-0
Molecular Formula: C₆H₁₀N₂O₄
Molecular Weight: 174.156
Accurate Mass: 174.064058
Percentage Composition: C 41.38%; H 5.79%; N 16.09%; O 36.75%
Physical Description: Cryst.
Melting Point: Mp 166-167°