



Extra CAS Registry Numbers(s): 10098-89-2
Use/Importance: Dietary supplement, nutrient
Melting Point: Mp 235-236°
Hazard & Toxicity: LD₅₀ (rat, orl) 10000 mg/kg

Aldrich: L460-5
Fluka: 62929
Sigma: L5626

>>**Derivative:** Hydrochloride (1:2)

CAS Registry Number: 657-26-1
Extra CAS Registry Numbers(s): 10098-89-2
Physical Description: Cryst. (dil. HCl)
Melting Point: Mp 193°
Optical Rotation: $[\alpha]_D^{20} +15.3$ (H₂O)
Aldrich: 36022-8
Fluka: 62900
Sigma: L5751

>>**Derivative:** *N*²-Galacturonopyranoside

CAS Registry Number: 220718-56-9

Molecular Formula: C₁₂H₂₂N₂O₈
Molecular Weight: 322.314
Accurate Mass: 322.137618
Percentage Composition: C 44.72%; H 6.88%; N 8.69%; O 39.71%
Biological Source: Possible constit. of plant cell walls incl. tomato and spinach

>>**Derivative:** *N*⁶-D-Galacturonopyranoside

CAS Registry Number: 220718-57-0

Molecular Formula: C₁₂H₂₂N₂O₈
Molecular Weight: 322.314
Accurate Mass: 322.137618
Percentage Composition: C 44.72%; H 6.88%; N 8.69%; O 39.71%
Biological Source: Possible constit. of plant cell walls incl. tomato and spinach

>>**Derivative:** Me ester

CAS Registry Number: 687-64-9
Extra CAS Registry Numbers(s): 26348-70-9
Molecular Formula: C₇H₁₆N₂O₂
Molecular Weight: 160.216
Accurate Mass: 160.121178
Percentage Composition: C 52.48%; H 10.07%; N 17.48%; O 19.97%
Physical Description: Cryst. (MeOH/Et₂O) (as dihydrochloride)
Melting Point: Mp 203-205° (dihydrochloride)
Optical Rotation: $[\alpha]_D^{21} +17$ (c, 5.0 in H₂O)
Other: PB: L05450

>>**Derivative:** *N*²-Ac

CAS Registry Number: 1946-82-3

Molecular Formula: C₈H₁₆N₂O₃
Molecular Weight: 188.226
Accurate Mass: 188.116093
Percentage Composition: C 51.05%; H 8.57%; N 14.88%; O 25.50%
Biological Source: Intermed. in biosynth. of Threonine
Aldrich: 85670-3
Sigma: A2010

>>**Derivative:** *N*²-Ac, Me ester