Accurate Mass: 253.058639
Percentage Composition: C 52.18%; H 4.38%; N 5.53%; O 37.91%
Biological Source: Constit. of kidney beans (*Phaseolus vulgaris*) and grape (*Vitis* spp.)
UV: [neutral] λ_{max} 238 (); 305 () (MeOH) (Berdy)

Rare Chemicals Library: S86969-4

>>**Derivative:** *N*-(4-Hydroxy-3,5-dimethoxybenzoyl)
Synonym(s): *N*-Syringoylaspartic acid. **Fontinalin**

Molecular Formula: $C_{13}H_{15}NO_8$
Molecular Weight: 313.263
Accurate Mass: 313.079769
Percentage Composition: C 49.84%; H 4.83%; N 4.47%; O 40.86%
Biological Source: Constit. of *Fontinalis squamosa*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 160°
Other Data: Config. not confirmed

>>**Derivative:** *N*-(4-Hydroxycinnamoyl)
Synonym(s): ***N*-*p*-Coumaroylaspartic acid**

CAS Registry Number: 151435-24-4

Molecular Formula: $C_{13}H_{13}NO_6$
Molecular Weight: 279.249
Accurate Mass: 279.074289
Percentage Composition: C 55.92%; H 4.69%; N 5.02%; O 34.38%
Biological Source: Constit. of *Arabidopsis thaliana*

>>**Derivative:** *N*-(4-Hydroxy-3-methoxycinnamoyl)
Synonym(s): ***N*-Feruloylaspartic acid**

CAS Registry Number: 135068-96-1

Molecular Formula: $C_{14}H_{15}NO_7$
Molecular Weight: 309.275
Accurate Mass: 309.084854
Percentage Composition: C 54.37%; H 4.89%; N 4.53%; O 36.21%
Biological Source: Constit. of beet (*Beta vulgaris*)

>>**Derivative:** 4-Phosphate
Synonym(s): L-Aspartic acid 4-monoanhydride with phosphoric acid, 9CI. β-Aspartyl phosphate

CAS Registry Number: 22138-53-0
Molecular Formula: $C_4H_8NO_7P$
Molecular Weight: 213.083
Accurate Mass: 213.003841
Percentage Composition: C 22.55%; H 3.78%; N 6.57%; O 52.56%; P 14.54%
Use/Importance: Biological intermediate in the synth. of aspartic β-semialdehyde and homoserine. Formed enzymatically from aspartic acid and ATP by aspartokinase
Physical Description: Oil

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

CAS Registry Number: 4226-18-0
Molecular Formula: $C_5H_9NO_4$
Molecular Weight: 147.13
Accurate Mass: 147.053159
Percentage Composition: C 40.82%; H 6.17%; N 9.52%; O 43.50%
Physical Description: Cryst. + $1H_2O$ (EtOH aq.)
Melting Point: Mp 190°
Optical Rotation: $[\alpha]_{578}^{24}$ +17.1 (c, 1.4 in H_2O)
Other Data: Less effective NMDA agonist than (*R*)-isomer
Fluka: 65832
Sigma: M3387