



Synonym(s): *N*-(4-Hydroxy-3-methoxybenzoyl)glutamic acid

CAS Registry Number: 159623-12-8

Molecular Formula: C₁₃H₁₅NO₇

Molecular Weight: 297.264

Accurate Mass: 297.084854

Percentage Composition: C 52.53%; H 5.09%; N 4.71%; O 37.68%

Biological Source: Constit. of *Anthoceros agrestis*

>>**Derivative:** *N*-(4-Hydroxycinnamoyl)(*Z*-)

Synonym(s): *N*-*cis*-(*p*-Coumaroyl)glutamic acid

CAS Registry Number: 159623-15-1

Molecular Formula: C₁₄H₁₅NO₆

Molecular Weight: 293.276

Accurate Mass: 293.089939

Percentage Composition: C 57.34%; H 5.16%; N 4.78%; O 32.73%

Biological Source: Constit. of *Anthoceros agrestis*

>>**Derivative:** *N*-(3-Hydroxy-4-methoxycinnamoyl)(*E*-)

Synonym(s): *N*-*trans*-Isoferuloylglutamic acid

CAS Registry Number: 159623-13-9

Molecular Formula: C₁₅H₁₇NO₇

Molecular Weight: 323.302

Accurate Mass: 323.100504

Percentage Composition: C 55.73%; H 5.30%; N 4.33%; O 34.64%

Biological Source: Constit. of *Anthoceros agrestis*

>>**Derivative:** *N*-(3-Hydroxy-4-methoxycinnamoyl)(*Z*-)

Synonym(s): *N*-*cis*-Isoferuloylglutamic acid

CAS Registry Number: 159623-14-0

Molecular Formula: C₁₅H₁₇NO₇

Molecular Weight: 323.302

Accurate Mass: 323.100504

Percentage Composition: C 55.73%; H 5.30%; N 4.33%; O 34.64%

Biological Source: Constit. of *Anthoceros agrestis*

>>**Derivative:** *N*-(4-Methylbenzenesulfonyl)

CAS Registry Number: 4816-80-2

Molecular Formula: C₁₂H₁₅NO₆S

Molecular Weight: 301.32

Accurate Mass: 301.062009

Percentage Composition: C 47.83%; H 5.02%; N 4.65%; O 31.86%; S 10.64%

Physical Description: Prisms (EtOAc)

Melting Point: Mp 131°

Optical Rotation: [α]_D +22 (c, 1 in EtOAc)

Sigma: T3630

>>**Derivative:** *N*-Formimidoyl

Synonym(s): *N*-(Iminomethyl)glutamic acid

CAS Registry Number: 816-90-0

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%

Biological Source: Intermediate in the biosynth. of Histidine [HBB51-Y](#)

Melting Point: Mp 85-95°

Optical Rotation: [α]_D²⁴ -10.3 (c, 0.8 in HCl)