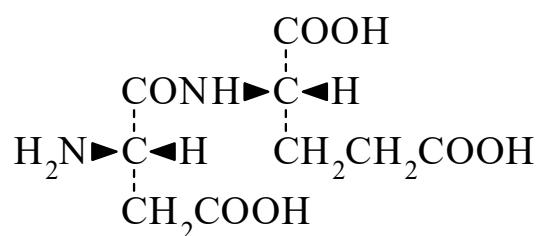




>>Entry Name: N^{α} -Aspartylglutamic acid



Molecular Formula: $C_9H_{14}N_2O_7$

Molecular Weight: 262.219

Accurate Mass: 262.080103

Percentage Composition: C 41.22%; H 5.38%; N 10.68%; O 42.71%

>>Variant: L-L-form

CAS Registry Number: 6157-06-8

Molecular Formula: $C_9H_{14}N_2O_7$

Molecular Weight: 262.219

Accurate Mass: 262.080103

Percentage Composition: C 41.22%; H 5.38%; N 10.68%; O 42.71%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 150-155°

Optical Rotation: $[\alpha]_D^{25} +5.6$ (c, 3.39 in H_2O)

Sigma: A1916

>>Derivative: *N*-Benzyloxycarbonyl

Melting Point: Mp 151-152°

>>Derivative: *N*-Ac

Synonym(s): *N*-(*N*-Acetyl-L- α -aspartyl)-L-glutamic acid, 9Cl. Spaglumeric acid. **Isospaglumic acid**, INN. Naaxia. Spagluminic acid. NAAG

CAS Registry Number: 3106-85-2

Molecular Formula: $C_{11}H_{16}N_2O_8$

Molecular Weight: 304.256

Accurate Mass: 304.090668

Percentage Composition: C 43.42%; H 5.30%; N 9.21%; O 42.07%

Biological Source: Present in human brain and in brains of other mammals

Use/Importance: Neurotransmitter, antiallergenic agent

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 171-173°

Optical Rotation: $[\alpha]_D^{25} -27.5$ (c, 2 in H_2O)

Sigma: J5904

References:

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