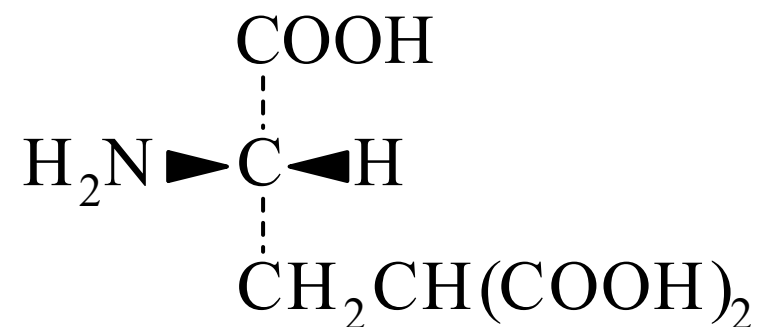




>>Entry Name: 3-Amino-1,1,3-propanetricarboxylic acid, 9CI

Synonym(s): γ -Carboxyglutamic acid. Gla



CAS Registry Number: 53445-96-8

Related CAS Registry Numbers(s): 64153-47-5

Molecular Formula: $C_6H_9NO_6$

Molecular Weight: 191.14

Accurate Mass: 191.042989

Percentage Composition: C 37.70%; H 4.75%; N 7.33%; O 50.22%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 53861-57-7

Molecular Formula: $C_6H_9NO_6$

Molecular Weight: 191.14

Accurate Mass: 191.042989

Percentage Composition: C 37.70%; H 4.75%; N 7.33%; O 50.22%

Biological Source: Isol. from urine. Found in vitamin A-dependent blood clotting proteins, eg. prothrombin

Physical Description: Prisms (EtOAc aq.)

Melting Point: Mp 156-158°

Optical Rotation: $[\alpha]_D^{25} +34.3$ (c, 1 in 6M HCl)

Aldrich: 28408-4

Fluka: 21880

Sigma: C4147

>>Derivative: NH_4 salt

Physical Description: Solid

Melting Point: Mp 157-159°

Optical Rotation: $[\alpha]_D^{20} -37.5$ (c, 1 in 6M HCl)

>>Variant: ($\pm$)-form

CAS Registry Number: 56271-99-9

Molecular Formula: $C_6H_9NO_6$

Molecular Weight: 191.14

Accurate Mass: 191.042989

Percentage Composition: C 37.70%; H 4.75%; N 7.33%; O 50.22%

Melting Point: Mp 90-92°

Fluka: 21885

Sigma: C3767

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