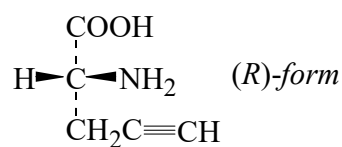




>>Entry Name: 2-Amino-4-pentynoic acid, 9CI

Synonym(s): Propargylglycine



Related CAS Registry Numbers(s): 198774-27-5

Molecular Formula: C₅H₇NO₂

Molecular Weight: 113.116

Accurate Mass: 113.047679

Percentage Composition: C 53.09%; H 6.24%; N 12.38%; O 28.29%

Solubility: Sol. H₂O; poorly sol. butanol, hexane

>>Variant: (R)-form

CAS Registry Number: 23235-03-2

Molecular Formula: C₅H₇NO₂

Molecular Weight: 113.116

Accurate Mass: 113.047679

Percentage Composition: C 53.09%; H 6.24%; N 12.38%; O 28.29%

Melting Point: Mp 221 dec.°

Optical Rotation: [α]_D²⁵+25.7 (c, 0.8 in H₂O)

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 23235-01-0

Molecular Formula: C₅H₇NO₂

Molecular Weight: 113.116

Accurate Mass: 113.047679

Percentage Composition: C 53.09%; H 6.24%; N 12.38%; O 28.29%

Biological Source: Isol. from *Streptomyces* spp. Constit. of the mushroom *Amanita pseudoporphyria*

Biological Use/Importance: Inhibitor of sarcosine oxidase, antimetabolite

Melting Point: Mp 230° (dec. from 210°) (248-249° dec.)

Optical Rotation: [α]_D²⁰−35 (c, 1 in H₂O)

Fluka: 81838

>>Derivative: N-Phthaloyl, dicyclohexylamine salt

Melting Point: Mp 205°

Optical Rotation: [α]_D²⁰−29.4 (c, 1 in EtOH)

>>Derivative: N-Phthaloyl, Me ester

Physical Description: Cryst. (petrol)

Melting Point: Mp 112°

Optical Rotation: [α]_D²⁰−63.2 (c, 1 in EtOH)

>>Variant: (±)-form

CAS Registry Number: 50428-03-0

Molecular Formula: C₅H₇NO₂

Molecular Weight: 113.116

Accurate Mass: 113.047679

Percentage Composition: C 53.09%; H 6.24%; N 12.38%; O 28.29%

Melting Point: Mp 235-237 dec.°

>>Derivative: Hydrochloride

CAS Registry Number: 61172-65-4

Physical Description: Cryst. (2-propanol/diisopropyl ether)

Melting Point: Mp 195°