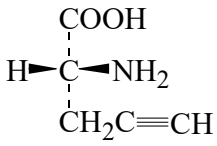
>>**Entry Name: 2-Amino-4-pentynoic acid,** 9CI
Synonym(s): Propargylglycine



(*R*)-*form*

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

Molecular Formula: $C_5H_7NO_2$
Molecular Weight: 113.116
Accurate Mass: 113.047679
Percentage Composition: C 53.09%; H 6.24%; N 12.38%; O 28.29%
Solubility: Sol. H_2O; poorly sol. butanol, hexane

>>**Variant:** (*R*)-form

CAS Registry Number: 23235-03-2
Molecular Formula: $C_5H_7NO_2$
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: $[\alpha]_D^{25}$+25.7 (c, 0.8 in H_2O)

>>**Variant:** (*S*)-form
Synonym(s): L-form

CAS Registry Number: 23235-01-0

Molecular Formula: $C_5H_7NO_2$
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: $[\alpha]_D^{20}$–35 (c, 1 in H_2O)
Fluka: 81838

>>**Derivative:** *N*-Phthaloyl, dicyclohexylamine salt

Melting Point: Mp 205°
Optical Rotation: $[\alpha]_D^{20}$–29.4 (c, 1 in EtOH)

>>**Derivative:** *N*-Phthaloyl, Me ester

Physical Description: Cryst. (petrol)
Melting Point: Mp 112°
Optical Rotation: $[\alpha]_D^{20}$–63.2 (c, 1 in EtOH)

>>**Variant:** (±)-form

CAS Registry Number: 50428-03-0
Molecular Formula: $C_5H_7NO_2$
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°