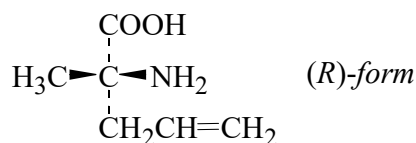




>>Entry Name: 2-Amino-2-methyl-4-pentenoic acid, 9CI

Synonym(s): α -Allylalanine



CAS Registry Number: 64298-91-5

Related CAS Registry Numbers(s): 142653-95-0

Molecular Formula: $\text{C}_6\text{H}_{11}\text{NO}_2$

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

>>Variant: (R)-form

CAS Registry Number: 96886-56-5

Molecular Formula: $\text{C}_6\text{H}_{11}\text{NO}_2$

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Physical Description: Cryst.

Melting Point: Mp 296-299°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +24.1$ (c, 0.7 in MeOH)

>>Variant: (S)-form

CAS Registry Number: 96886-55-4

Molecular Formula: $\text{C}_6\text{H}_{11}\text{NO}_2$

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Melting Point: Mp 300 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -25.7$ (c, 0.8 in MeOH) (94% ee)

>>Derivative: Me ester

CAS Registry Number: 88820-87-5

Molecular Formula: $\text{C}_7\text{H}_{13}\text{NO}_2$

Molecular Weight: 143.185

Accurate Mass: 143.094629

Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%

Physical Description: Oil

Boiling Point: Bp₁₆ 100°

Optical Rotation: $[\alpha]$