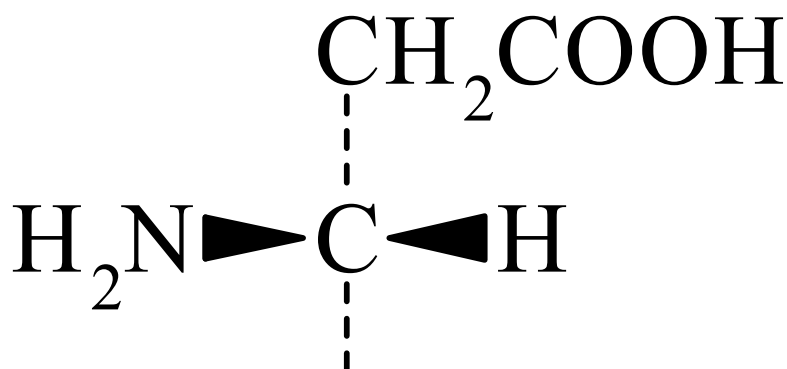




>>Entry Name: 3-Amino-5-methylhexanoic acid, 9CI

Synonym(s): β -Homoleucine



(S)-form



CAS Registry Number: 3653-34-7

Related CAS Registry Numbers(s): 96386-92-4

Extra CAS Registry Numbers(s): 91298-67-8

Molecular Formula: $C_7H_{15}NO_2$

Molecular Weight: 145.201

Accurate Mass: 145.110279

Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 22818-43-5

Molecular Formula: $C_7H_{15}NO_2$

Molecular Weight: 145.201

Accurate Mass: 145.110279

Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 225° (215-216°)

Optical Rotation: $[\alpha]_D +28$ (c, 3 in H_2O). $[\alpha]_D +38.4$ (c, 0.54 in H_2O)

>>Derivative: N-Ac, Me ester

CAS Registry Number: 136744-89-3

Molecular Formula: $C_{10}H_{19}NO_3$

Molecular Weight: 201.265

Accurate Mass: 201.136494

Percentage Composition: C 59.68%; H 9.51%; N 6.96%; O 23.85%

Optical Rotation: $[\alpha]$