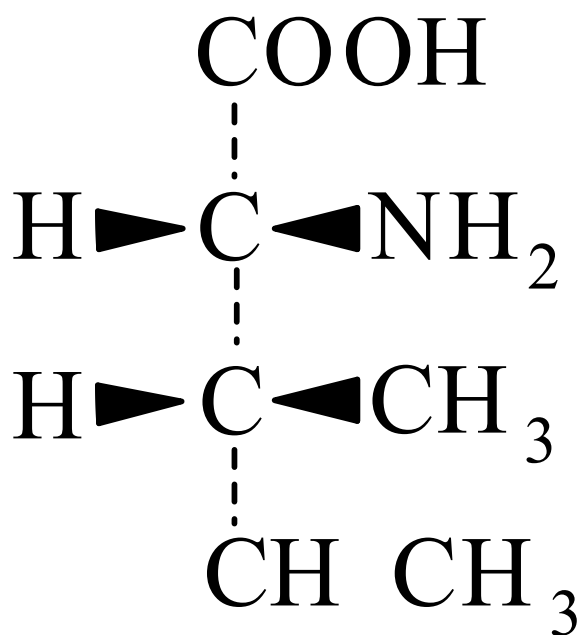




>>Entry Name: 2-Amino-3-methylpentanoic acid

ENTRY UNDER REVIEW

Synonym(s): 3-Methylnorvaline. Isoleucine. Ile



*(2R,3R)-form*

CAS Registry Number: 7004-09-3

Related CAS Registry Numbers(s): 4125-98-8 10466-56-5 18598-74-8

Molecular Formula:  $\text{C}_6\text{H}_{13}\text{NO}_2$

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

>>Variant: (2R,3R)-form

Synonym(s): D-erythro-form. D-Isoleucine

CAS Registry Number: 319-78-8

Molecular Formula:  $\text{C}_6\text{H}_{13}\text{NO}_2$

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Biological Source: From numerous peptide antibiotics

Melting Point: Mp 283-284 dec.°

Optical Rotation:  $[\alpha]_{\text{D}}^{20} -12.2$  (c, 3.2 in  $\text{H}_2\text{O}$ ).  $[\alpha]_{\text{D}} -41$  (c, 1 in 5M HCl)

Aldrich: 29865-4

Sigma: I7634