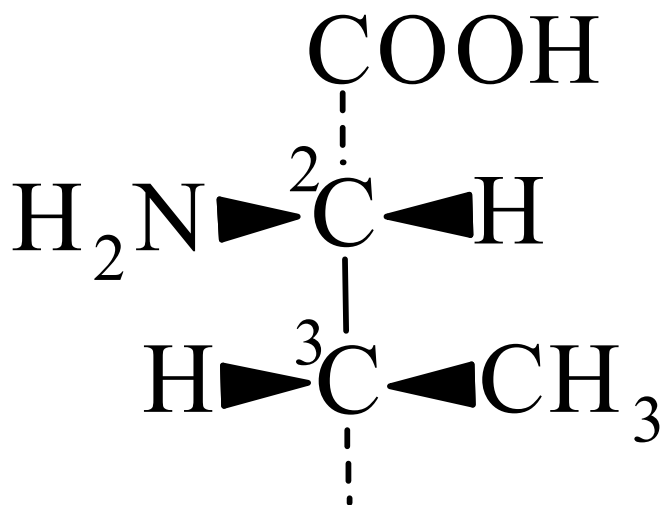




>>Entry Name: 2-Amino-3-methylpentanedioic acid

Synonym(s): 3-Methylglutamic acid, 9Cl. β -Methylglutamic acid



(2S,3R)-form

OOH

CAS Registry Number: 2445-97-8

Related CAS Registry Numbers(s): 137569-33-6

Molecular Formula: $C_6H_{11}NO_4$

Molecular Weight: 161.157

Accurate Mass: 161.068809

Percentage Composition: C 44.72%; H 6.88%; N 8.69%; O 39.71%

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

Synonym(s): (+)-*threo*-form

CAS Registry Number: 33511-69-2

Molecular Formula: $C_6H_{11}NO_4$

Molecular Weight: 161.157

Accurate Mass: 161.068809

Percentage Composition: C 44.72%; H 6.88%; N 8.69%; O 39.71%

Melting Point: Mp 166-168°

Optical Rotation: $[\alpha]_D +22.6$ (c, 1.03 in 6M HCl)

>>Derivative: N-Benzyloxycarbonyl, di-Me ester

CAS Registry Number: 137569-41-6

Molecular Formula: $C_{16}H_{21}NO_6$

Molecular Weight: 323.345

Accurate Mass: 323.136889

Percentage Composition: C 59.43%; H 6.55%; N 4.33%; O 29.69%

Optical Rotation: $[\alpha]$