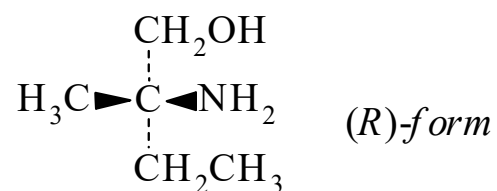




>>Entry Name: 2-Amino-2-methyl-1-butanol, 9CI



CAS Registry Number: 10196-30-2

Molecular Formula: C₅H₁₃NO

Molecular Weight: 103.164

Accurate Mass: 103.099714

Percentage Composition: C 58.21%; H 12.70%; N 13.58%; O 15.51%

>>Variant: (R)-form

CAS Registry Number: 22464-37-5

Molecular Formula: C₅H₁₃NO

Molecular Weight: 103.164

Accurate Mass: 103.099714

Percentage Composition: C 58.21%; H 12.70%; N 13.58%; O 15.51%

Physical Description: Pale-yellow oil

Optical Rotation: $[\alpha]_D^{25} +3.39$ (EtOH)

>>Variant: (S)-form

CAS Registry Number: 22464-36-4

Molecular Formula: C₅H₁₃NO

Molecular Weight: 103.164

Accurate Mass: 103.099714

Percentage Composition: C 58.21%; H 12.70%; N 13.58%; O 15.51%

Physical Description: Oil

Boiling Point: Bp₂₄ 82-83°

Optical Rotation: $[\alpha]_D^{13} -2$ (c, 4.088 in EtOH)

>>Derivative: Oxalate

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 168-168.5°

>>Variant: (±)-form

Molecular Formula: C₅H₁₃NO

Molecular Weight: 103.164

Accurate Mass: 103.099714

Percentage Composition: C 58.21%; H 12.70%; N 13.58%; O 15.51%

Physical Description: Oil

Boiling Point: Bp 180°. Bp₁₀ 77°

>>Derivative: Oxalate

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 154.5-155°

References:

Terashima, S. *et al.*, *Chem. Pharm. Bull.*, 1968, **16**, 1953, (*synth*)

Kirmse, W. *et al.*, *Chem. Ber.*, 1971, **104**, 1783

Richter, W.J. *et al.*, *Angew. Chem., Int. Ed.*, 1973, **12**, 30