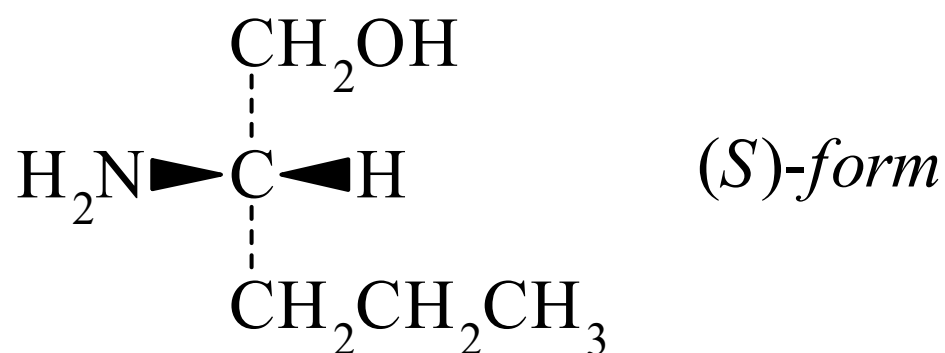




>>Entry Name: 2-Amino-1-pentanol



CAS Registry Number: 4146-04-7

Related CAS Registry Numbers(s): 4146-05-8 80696-30-6

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%

Aldrich: 23668-3

>>Variant: (S)-form

CAS Registry Number: 22724-81-8

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%

Boiling Point: Bp_{0.1} 39°

Optical Rotation: [α]_D +5.2 (c, 1 in MeOH)

>>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: Hygroscopic

Melting Point: Mp 23° (ca.)

Boiling Point: Bp₂₅ 101°. Bp₁₉ 96-98°

Solubility: V. sol. H₂O

Refractive Index: n_D²⁰ 1.4511

>>Derivative: Hydrochloride

Physical Description: Cryst. (Me₂CO/MeCN)

Melting Point: Mp 90.5-91.5°

>>Derivative: O,N-Dibenzoyl

Molecular Formula: C₁₉H₂₁NO₃

Molecular Weight: 311.38

Accurate Mass: 311.152144

Percentage Composition: C 73.29%; H 6.80%; N 4.50%; O 15.41%

Physical Description: Needles (EtOH)

Melting Point: Mp 136.5-137.5°

References:

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