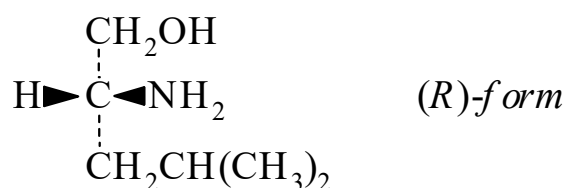




>>Entry Name: 2-Amino-4-methyl-1-pentanol, 9CI

Synonym(s): 2-Amino-1-hydroxy-4-methylpentane. Leucinol



CAS Registry Number: 502-32-9

Molecular Formula: C₆H₁₅NO

Molecular Weight: 117.191

Accurate Mass: 117.115364

Percentage Composition: C 61.49%; H 12.90%; N 11.95%; O 13.65%

>>Variant: (R)-form

Synonym(s): D-form

CAS Registry Number: 53448-09-2

Molecular Formula: C₆H₁₅NO

Molecular Weight: 117.191

Accurate Mass: 117.115364

Percentage Composition: C 61.49%; H 12.90%; N 11.95%; O 13.65%

Boiling Point: Bp₁₁ 98-99°

Aldrich: 29841-7

Fluka: 61915

Sigma: L1141

>>Derivative: Oxalate

Melting Point: Mp 216°

Optical Rotation: [α]_D²⁰ -7

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 7533-40-6

Extra CAS Registry Numbers(s): 14438-11-0

Molecular Formula: C₆H₁₅NO

Molecular Weight: 117.191

Accurate Mass: 117.115364

Percentage Composition: C 61.49%; H 12.90%; N 11.95%; O 13.65%

Boiling Point: Bp₁₁ 98-99°

Optical Rotation: [α]_D¹⁷ +4.15 (EtOH)

Aldrich: 18404-7

Fluka: 61920

Sigma: L9880

>>Derivative: N-tert-Butoxycarbonyl

CAS Registry Number: 82010-31-9

Molecular Formula: C₁₁H₂₃NO₃

Molecular Weight: 217.308

Accurate Mass: 217.167794

Percentage Composition: C 60.80%; H 10.67%; N 6.45%; O 22.09%

Physical Description: Oil

Boiling Point: Bp₅ 141°

Optical Rotation: [α]_D²⁰ -28.36 (c, 0.95 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 16369-17-8

Molecular Formula: C₆H₁₅NO

Molecular Weight: 117.191

Accurate Mass: 117.115364

Percentage Composition: C 61.49%; H 12.90%; N 11.95%; O 13.65%

Boiling Point: Bp 198-200°

Solubility: Sol. H₂O, EtOH, spar. sol. Et₂O