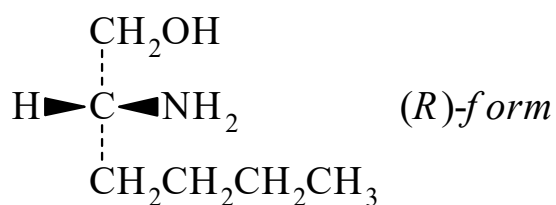




>>Entry Name: 2-Amino-1-hexanol

Synonym(s): Norleucinol



CAS Registry Number: 5665-74-7

Related CAS Registry Numbers(s): 80696-28-2 130317-31-6

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%

Aldrich: 23767-1

>>Variant: (R)-form

CAS Registry Number: 80696-28-2

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%

>>Derivative: Ac

Molecular Formula: C₈H₁₇NO₂

Molecular Weight: 159.228

Accurate Mass: 159.125929

Percentage Composition: C 60.35%; H 10.76%; N 8.80%; O 20.10%

Physical Description: Cryst.

Melting Point: Mp 39°

Optical Rotation: $[\alpha]_{\text{D}}^{24} +27.9$ (c, 0.8 in CHCl₃)

>>Variant: (S)-form

CAS Registry Number: 80696-29-3

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%

Physical Description: Liq.

Boiling Point: Bp_{0.7} 65-70°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +3.9$ (c, 8.7 in EtOH aq.)

>>Variant: (±)-form

CAS Registry Number: 16397-19-6

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: Bp₁₃ 103-104°

Refractive Index: n_D²⁰ 1.4522

>>Derivative: Hydrochloride

Melting Point: Mp 93-94.5°

References: