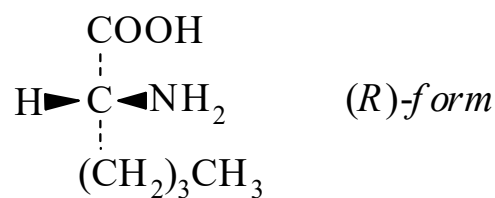




>>Entry Name: 2-Aminohexanoic acid

Synonym(s): Norleucine, 9Cl, 8Cl



Extra CAS Registry Numbers(s): 1319-82-0

Molecular Formula: C₆H₁₃NO₂

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Physical Description: Cryst. (H₂O)

>>Variant: (R)-form

Synonym(s): D-form

CAS Registry Number: 327-56-0

Molecular Formula: C₆H₁₃NO₂

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Physical Description: Leaflets (H₂O)

Melting Point: Mp 301°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -26.5$ (20% HCl)

Other Data: Bitter taste

Aldrich: 85164-7

Fluka: 74570

Sigma: N6627

>>Derivative: N-Benzoyl

Molecular Formula: C₁₃H₁₇NO₃

Molecular Weight: 235.282

Accurate Mass: 235.120844

Percentage Composition: C 66.36%; H 7.28%; N 5.95%; O 20.40%

Melting Point: Mp 53°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +21.4$ (NaOH aq.)

>>Variant: (S)-form

Synonym(s): L-form (obsol.)

CAS Registry Number: 327-57-1

Molecular Formula: C₆H₁₃NO₂

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Physical Description: Leaflets (H₂O)

Melting Point: Mp 296° (rapid heating)

Optical Rotation: $[\alpha]_{\text{D}}^{20} +23.2$ (HCl). $[\alpha]_{\text{D}}^{20} +6.26$ (H₂O)

Solubility: Spar. sol. EtOH, H₂O

Other Data: Sweet taste

Aldrich: 85165-5

Fluka: 74560

Sigma: N6877

>>Derivative: N-Benzoyl

Melting Point: Mp 53°