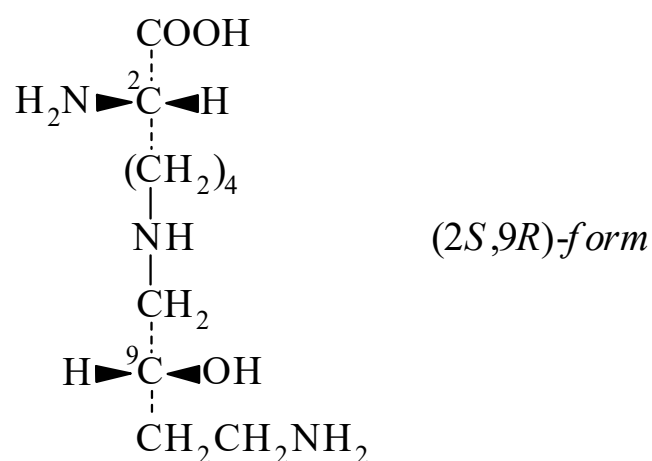




>>Entry Name: Hypusine

Synonym(s): *N*⁶-(4-Amino-2-hydroxybutyl)lysine, 9Cl. *N*⁶-(4-Amino-2-hydroxybutyl)-2,6-diaminohexanoic acid. 2,11-Diamino-9-hydroxy-7-azaundecanoic acid



Molecular Formula: C₁₀H₂₃N₃O₃

Molecular Weight: 233.31

Accurate Mass: 233.173942

Percentage Composition: C 51.48%; H 9.94%; N 18.01%; O 20.57%

>>Variant: (2*S*,9*R*)-form

CAS Registry Number: 34994-11-1

Molecular Formula: C₁₀H₂₃N₃O₃

Molecular Weight: 233.31

Accurate Mass: 233.173942

Percentage Composition: C 51.48%; H 9.94%; N 18.01%; O 20.57%

Biological Source: Amino acid from bovine brain tissue

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 82310-93-8

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 234-238 dec.°

Optical Rotation: [α]_D¹⁶+9.9 (c, 0.12 in 6*M* HCl)

>>Variant: (2*S*,9*S*)-form

CAS Registry Number: 87681-50-3

Molecular Formula: C₁₀H₂₃N₃O₃

Molecular Weight: 233.31

Accurate Mass: 233.173942

Percentage Composition: C 51.48%; H 9.94%; N 18.01%; O 20.57%

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 82310-94-9

Source/Synthesis: Synthetic

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 238-240 dec.°

Optical Rotation: [α]_D²³+16 (c, 0.1 in 6*M* HCl)

References:

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