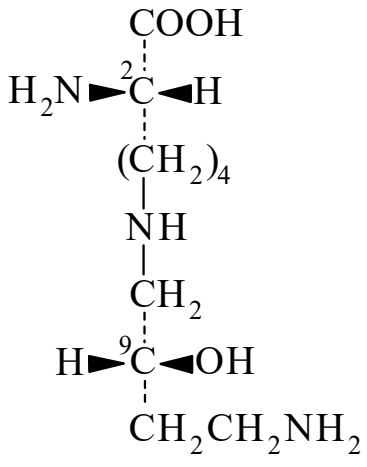
>>**Entry Name: Hypusine**
Synonym(s): N^6-(4-Amino-2-hydroxybutyl)lysine, 9Cl. N^6-(4-Amino-2-hydroxybutyl)-2,6-diaminohexanoic acid. 2,11-Diamino-9-hydroxy-7-azaundecanoic acid



(2*S*,9*R*)-*form*

Molecular Formula: $C_{10}H_{23}N_3O_3$
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: $C_{10}H_{23}N_3O_3$
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: $[\alpha]_D^{16}$+9.9 (c, 0.12 in 6*M* HCl)

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

CAS Registry Number: 87681-50-3
Molecular Formula: $C_{10}H_{23}N_3O_3$
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: $[\alpha]_D^{23}$+16 (c, 0.1 in 6*M* HCl)

References:

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