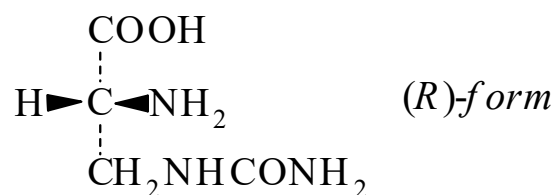




>>Entry Name: Albizziine

Synonym(s): 3-[(Aminocarbonyl)amino]alanine, 9Cl. 2-Amino-3-ureidopropanoic acid, 9Cl



CAS Registry Number: 585-23-9

Molecular Formula: C₄H₉N₃O₃

Molecular Weight: 147.133

Accurate Mass: 147.064392

Percentage Composition: C 32.65%; H 6.17%; N 28.56%; O 32.62%

>>Variant: (R)-form

Molecular Formula: C₄H₉N₃O₃

Molecular Weight: 147.133

Accurate Mass: 147.064392

Percentage Composition: C 32.65%; H 6.17%; N 28.56%; O 32.62%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 202-205°

Optical Rotation: $[\alpha]_{\text{D}}^{24} +65.5$ (c, 1.7 in H₂O)

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 1483-07-4

Molecular Formula: C₄H₉N₃O₃

Molecular Weight: 147.133

Accurate Mass: 147.064392

Percentage Composition: C 32.65%; H 6.17%; N 28.56%; O 32.62%

Biological Source: Found in *Albizzia* spp., *Enterolobium cyclocarpum*, *Lysiolama bahamense* and others in the Leguminosae

Use/Importance: Glutaminase inhibitor

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 218-220° (206-211°)

Optical Rotation: $[\alpha]_{\text{D}}^{26} -66.2$ (c, 2.6 in H₂O)

Aldrich: 86145-6

Sigma: A5398

>>Derivative: Hydrobromide

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 185-190°

>>Variant: (±)-form

Molecular Formula: C₄H₉N₃O₃

Molecular Weight: 147.133

Accurate Mass: 147.064392

Percentage Composition: C 32.65%; H 6.17%; N 28.56%; O 32.62%

Melting Point: Mp 210-216 dec.°

References:

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