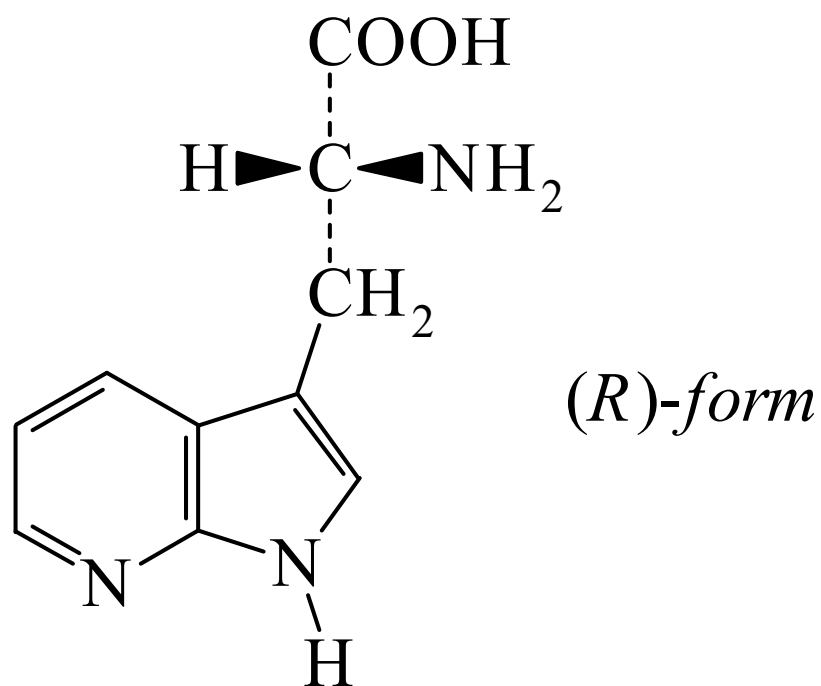




>>Entry Name: 2-Amino-3-(1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)propanoic acid

Synonym(s): α -Amino-1*H*-pyrrolo[2,3-*b*]pyridine-3-propanoic acid, 9Cl. 1*H*-Pyrrolo[2,3-*b*]pyridine-3-alanine. 7-Azatryptophan



CAS Registry Number: 1137-00-4

Molecular Formula: C₁₀H₁₁N₃O₂

Molecular Weight: 205.216

Accurate Mass: 205.085127

Percentage Composition: C 58.53%; H 5.40%; N 20.48%; O 15.59%

Use/Importance: Alternative to tryptophan as optical probe of protein struct. and dynamics

>>Variant: (*R*)-form

CAS Registry Number: 134235-82-8

Molecular Formula: C₁₀H₁₁N₃O₂

Molecular Weight: 205.216

Accurate Mass: 205.085127

Percentage Composition: C 58.53%; H 5.40%; N 20.48%; O 15.59%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 260-261 dec.°

Optical Rotation: $[\alpha]_{\text{D}}^{22} -1.2$ (c, 0.5 in H₂O)

>>Variant: (*S*)-form

CAS Registry Number: 49758-35-2

Molecular Formula: C₁₀H₁₁N₃O₂

Molecular Weight: 205.216

Accurate Mass: 205.085127

Percentage Composition: C 58.53%; H 5.40%; N 20.48%; O 15.59%

Optical Rotation: $[\alpha]_{\text{D}}^{25} +14.7$ (c, 0.3 in 1*M* HCl)

>>Variant: ($\pm$)-form

CAS Registry Number: 7303-50-6

Molecular Formula: C₁₀H₁₁N₃O₂

Molecular Weight: 205.216

Accurate Mass: 205.085127

Percentage Composition: C 58.53%; H 5.40%; N 20.48%; O 15.59%

Physical Description: Needles + 1H₂O (H₂O)

Melting Point: Mp 257-259 dec.° (monohydrate)

Sigma: A1632