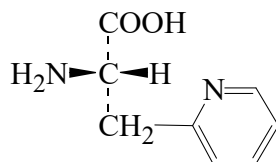




>>Entry Name: 2-Amino-3-(2-pyridinyl)propanoic acid

Synonym(s): α -Amino-2-pyridinepropanoic acid, 9Cl. 3-(2-Pyridinyl)alanine. Antibiotic SF 2538. SF 2538



(S)-form

CAS Registry Number: 17407-39-5

Related CAS Registry Numbers(s): 33560-87-1 33715-92-3 163513-22-2 169547-60-8 172927-00-3 177164-50-0

Extra CAS Registry Numbers(s): 37535-52-7

Molecular Formula: C₈H₁₀N₂O₂

Molecular Weight: 166.179

Accurate Mass: 166.074228

Percentage Composition: C 57.82%; H 6.07%; N 16.86%; O 19.26%

>>Variant: (S)-form

CAS Registry Number: 37535-51-6

Extra CAS Registry Numbers(s): 120191-52-8

Molecular Formula: C₈H₁₀N₂O₂

Molecular Weight: 166.179

Accurate Mass: 166.074228

Percentage Composition: C 57.82%; H 6.07%; N 16.86%; O 19.26%

Biological Source: Prod. by *Streptomyces albus*

Physical Description: Cryst.

Optical Rotation: $[\alpha]_D -33.6$ (H₂O)

Solubility: BERDY SOL: Sol. H₂O; poorly sol. Me₂CO, hexane

UV: [neutral] $\lambda_{\max}$ 254 (ϵ 3720); 260 (ϵ 4170); 266 (ϵ 3100) (H₂O) [neutral] $\lambda_{\max}$ 254 (ϵ 3720); 260 (ϵ 4170); 266 (ϵ 3100) (H₂O) (Berdy) [acid] $\lambda_{\max}$ 261 (ϵ 7600) (HCl) (Berdy)

Other Data: Incorrectly indexed in CA

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

CAS Registry Number: 17407-44-2

Molecular Formula: C₈H₁₀N₂O₂

Molecular Weight: 166.179

Accurate Mass: 166.074228

Percentage Composition: C 57.82%; H 6.07%; N 16.86%; O 19.26%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 209-212° (209-210°)

References:

Slater, G. *et al.*, *Tetrahedron*, 1967, **23**, 2823-2828, (*synth*)

Watanabe, H. *et al.*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 1634-1638, (*synth*)

Veselova, L.N. *et al.*, *Zh. Obshch. Khim.*, 1972, **42**, 1123-1125; 1973, **43**, 1637-1640, (*synth, resoln*)

Iwata, M. *et al.*, *CA*, 1989, **110**, 169903x, (*isol*)

Zhao, J.S. *et al.*, *Yaoxue Xuebao*, 1994, **29**, 558-560; *CA*, **122**, 10513w, (*synth*)