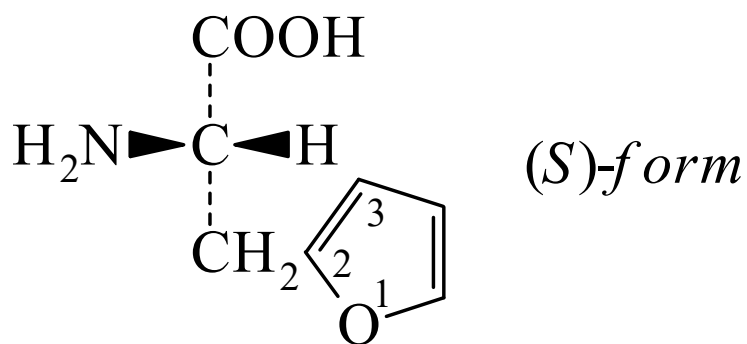




>>Entry Name: 2-Amino-3-(2-furanyl)propanoic acid

Synonym(s): α -Amino-2-furanpropanoic acid, 9Cl. β -2-Furylalanine



CAS Registry Number: 4429-10-1

Related CAS Registry Numbers(s): 127682-08-0

Extra CAS Registry Numbers(s): 110772-46-8 198560-42-8

Molecular Formula: $C_7H_9NO_3$

Molecular Weight: 155.153

Accurate Mass: 155.058244

Percentage Composition: C 54.19%; H 5.85%; N 9.03%; O 30.94%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 121786-31-0

Molecular Formula: $C_7H_9NO_3$

Molecular Weight: 155.153

Accurate Mass: 155.058244

Percentage Composition: C 54.19%; H 5.85%; N 9.03%; O 30.94%

Physical Description: Cryst. (Me_2CO aq.)

Melting Point: Mp 232-235 dec. $^{\circ}$

Optical Rotation: $[\alpha]_D^{26} -45$ (c, 0.99 in H_2O)

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

Molecular Formula: $C_7H_9NO_3$

Molecular Weight: 155.153

Accurate Mass: 155.058244

Percentage Composition: C 54.19%; H 5.85%; N 9.03%; O 30.94%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 260 $^{\circ}$

References:

Sasaki, T., *Ber.*, 1921, **54**, 2056-2059, (*synth*)

Herz, W. *et al.*, *J. Biol. Chem.*, 1947, **171**, 383-386, (*synth*)

Bladon, C.M., *J.C.S. Perkin I*, 1990, 1151-1158, (*synth, pmr*)

Kitagawa, T. *et al.*, *Chem. Pharm. Bull.*, 1997, **45**, 1865-1866, (*synth*)