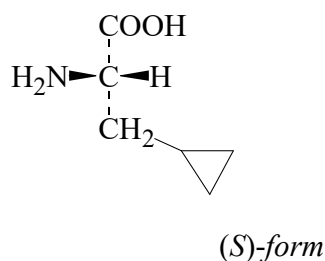




>>Entry Name: 2-Amino-3-cyclopropylpropanoic acid

Synonym(s): α -Aminocyclopropanepropanoic acid, 9Cl. β -Cyclopropylalanine



CAS Registry Number: 5687-80-9

Related CAS Registry Numbers(s): 133992-69-5 206438-31-5

Extra CAS Registry Numbers(s): 121786-39-8

Molecular Formula: $C_6H_{11}NO_2$

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 102735-53-5

Molecular Formula: $C_6H_{11}NO_2$

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Biological Source: Isol. from the mushroom, *Amanita virgineoides*

Use/Importance: Phytotoxin

Biological Use/Importance: Antifungal agent

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 240 dec. $^{\circ}$

Optical Rotation: $[\alpha]_D -13.4$ (c, 0.11 in H_2O)

Solubility: BERDY SOL: Sol. H_2O ; poorly sol. MeOH, hexane

UV: [neutral] λ_{max} (H_2O) (Berdy)

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

CAS Registry Number: 15785-52-1

Molecular Formula: $C_6H_{11}NO_2$

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 239 dec. $^{\circ}$

References:

Meek, J.S. *et al.*, *J.A.C.S.*, 1955, **77**, 6675-6677, (*synth*)

Black, D.K. *et al.*, *J.C.S.(C)*, 1968, 288-290, (*synth*)

Ohta, T. *et al.*, *Chem. Lett.*, 1986, 511-512, (*isol, synth, pmr*)

Chenault, H.K. *et al.*, *J.A.C.S.*, 1989, **111**, 6354-6364, (*resoln*)

Myers, A.G. *et al.*, *J.A.C.S.*, 1995, **117**, 8488-8489, (*synth*)

Hamon, C. *et al.*, *Synth. Commun.*, 1996, **26**, 1109-1115, (*synth, pmr, cmr*)

Myers, A.G. *et al.*, *J.A.C.S.*, 1997, **119**, 656-673, (*synth*)