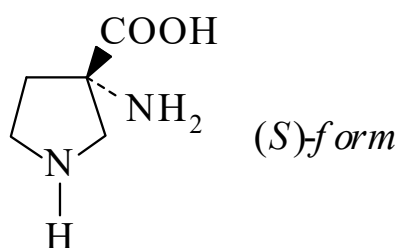




>>Entry Name: 3-Amino-3-pyrrolidinecarboxylic acid, 9CI

Synonym(s): Cucurbitine



Molecular Formula: C₅H₁₀N₂O₂

Molecular Weight: 130.146

Accurate Mass: 130.074228

Percentage Composition: C 46.14%; H 7.74%; N 21.52%; O 24.59%

Use/Importance: Inhibits the growth of immature *Schistosoma japonicum*. Used as taenifuge

Calculated Log P Data: Log P -2.15 (calc)

>>Variant: (S)-form

CAS Registry Number: 6807-92-7

Molecular Formula: C₅H₁₀N₂O₂

Molecular Weight: 130.146

Accurate Mass: 130.074228

Percentage Composition: C 46.14%; H 7.74%; N 21.52%; O 24.59%

Biological Source: Present in seeds of *Cucurbita* spp.

Physical Description: Cryst.

Optical Rotation: [α]_D²⁷ -19.76 (c, 9.31 in H₂O)

Other Data: Dec. above 260°. Pharmacol. active isomer

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOH aq.)

Optical Rotation: [α]_D^{19.5} -15 (c, 1 in H₂O)

Other Data: Dec. at 275°

>>Derivative: Perchlorate

Physical Description: Cryst.

Optical Rotation: [α]_D^{20.5} 13.08 (c, 10.4 in H₂O)

Other Data: Dec. above 275°

>>Derivative: *N,N*-Dibenzoyl

Molecular Formula: C₁₉H₁₈N₂O₄

Molecular Weight: 338.362

Accurate Mass: 338.126658

Percentage Composition: C 67.45%; H 5.36%; N 8.28%; O 18.91%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 207-208°

Optical Rotation: [α]_D^{24.5} -1.63 (c, 4.83 in MeOH)

>>Variant: (±)-form

Molecular Formula: C₅H₁₀N₂O₂

Molecular Weight: 130.146

Accurate Mass: 130.074228

Percentage Composition: C 46.14%; H 7.74%; N 21.52%; O 24.59%

>>Derivative: Hydrochloride

Physical Description: Cryst.

Other Data: Dec. ca. 280°