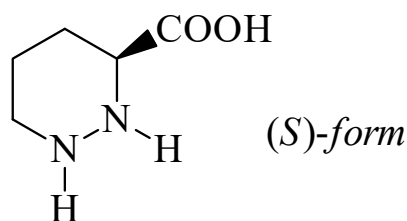




>>Entry Name: Hexahydro-3-pyridazinecarboxylic acid, 9CI

Synonym(s): Piperazic acid



CAS Registry Number: 32750-52-0

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%

>>Variant: (S)-form

CAS Registry Number: 64044-11-7

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: Product of the hydrol. of Monamycins [CKH82-U](#). Also present in azinothricins, verucopeptin, aurantamycins and others

Biological Use/Importance: Fairly potent GABA inhibitor with clinical potential por treatment of seizures

>>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%

Physical Description: Oil

>>Derivative: N¹-(2,4-Dinitrophenyl)

Melting Point: Mp 202 dec.°

References:

Bevan, K. *et al.*, *J.C.S.(C)*, 1971, 514, (*isol, abs config*)

Davies, C.R. *et al.*, *J.C.S. Perkin 1*, 1976, 2390, (*synth*)

Hale, K.J. *et al.*, *Tetrahedron*, 1996, **52**, 1047-1068, (*synth, bibl, R-form, S-form*)