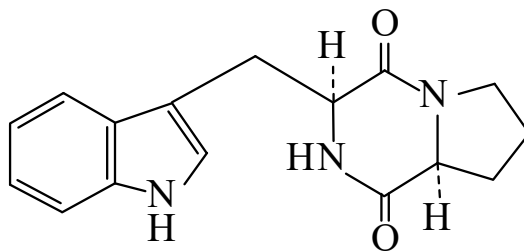




>>Entry Name: Cyclo(tryptophanylprolyl)

Synonym(s): Hexahydro-3-(1*H*-indol-3-ylmethyl)pyrrolo[1,2-*a*]pyrazine-1,4-dione, 9Cl. Cyclo(tryptophylprolyl)



Molecular Formula: C₁₆H₁₇N₃O₂

Molecular Weight: 283.329

Accurate Mass: 283.132077

Percentage Composition: C 67.83%; H 6.05%; N 14.83%; O 11.29%

>>Variant: L-L-form

Synonym(s): Brevianamide F

CAS Registry Number: 38136-70-8

Molecular Formula: C₁₆H₁₇N₃O₂

Molecular Weight: 283.329

Accurate Mass: 283.132077

Percentage Composition: C 67.83%; H 6.05%; N 14.83%; O 11.29%

Biological Source: Minor metab. from *Penicillium brevi-compactum*

Melting Point: Mp 173-175°

Optical Rotation: [α]_D²⁴ -99 (c, 1.2 in AcOH)

UV: [neutral] $\lambda_{\max}$ 220 (ϵ 11000); 276 (ϵ 1900); 281 (ϵ 2000); 290 (ϵ 1700) (MeOH) (Berdy)

>>Variant: L-D-form

CAS Registry Number: 73136-47-7

Molecular Formula: C₁₆H₁₇N₃O₂

Molecular Weight: 283.329

Accurate Mass: 283.132077

Percentage Composition: C 67.83%; H 6.05%; N 14.83%; O 11.29%

Physical Description: Cryst. (Me₂CO/petrol)

Melting Point: Mp 191-193°

Optical Rotation: [α]_D²⁰ +120 (c, 1.3 in AcOH)

>>Variant: D-L-form

CAS Registry Number: 41222-71-3

Molecular Formula: C₁₆H₁₇N₃O₂

Molecular Weight: 283.329

Accurate Mass: 283.132077

Percentage Composition: C 67.83%; H 6.05%; N 14.83%; O 11.29%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 204-206°

Optical Rotation: [α]_D²² -101 (c, 1.78 in AcOH)

References:

Birch, A.J. *et al.*, *Tetrahedron*, 1972, **28**, 2999, (*isol, uv, ir, ms, pmr, synth*)

Steyn, P.S. *et al.*, *Tetrahedron*, 1973, **29**, 107

Sammes, P.G. *et al.*, *J.C.S. Perkin I*, 1979, 3048, (*synth, bibl*)