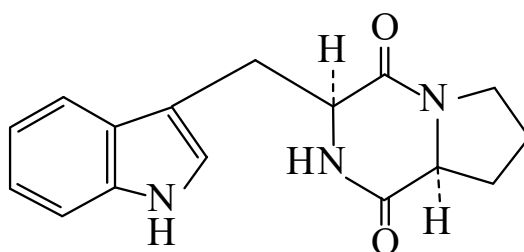




>>Entry Name: Cyclo(tryptophanylprolyl)

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



**Molecular Formula:** C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>

**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:** C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>

**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:** [ $\alpha$ ]<sub>D</sub><sup>24</sup> -99 (c, 1.2 in AcOH)

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

>>Variant: L-D-form

**CAS Registry Number:** 73136-47-7

**Molecular Formula:** C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>

**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. (Me<sub>2</sub>CO/petrol)

**Melting Point:** Mp 191-193°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>20</sup> +120 (c, 1.3 in AcOH)

>>Variant: D-L-form

**CAS Registry Number:** 41222-71-3

**Molecular Formula:** C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>

**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. (Me<sub>2</sub>CO)

**Melting Point:** Mp 204-206°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>22</sup> -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*)