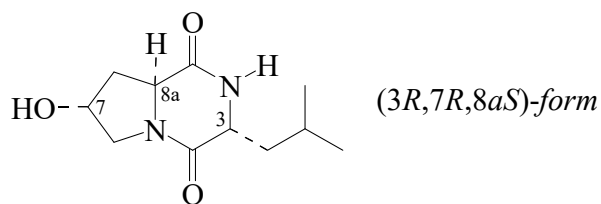




>>Entry Name: Cyclo(4-hydroxyprolylleucyl)

Synonym(s): Hexahydro-7-hydroxy-3-(2-methylpropyl)pyrrolo[1,2-*a*]pyrazine-1,4-dione, 9Cl. Hydroxyproline leucine anhydride



Molecular Formula: C₁₁H₁₈N₂O₃

Molecular Weight: 226.275

Accurate Mass: 226.131743

Percentage Composition: C 58.39%; H 8.02%; N 12.38%; O 21.21%

>>Variant: (3*R*,7*R*,8*aS*)-form

Synonym(s): L-D-form

Molecular Formula: C₁₁H₁₈N₂O₃

Molecular Weight: 226.275

Accurate Mass: 226.131743

Percentage Composition: C 58.39%; H 8.02%; N 12.38%; O 21.21%

Biological Source: Isol. from a marine bacterium associated with a *Palythoa* sp.

Physical Description: Solid

Optical Rotation: [α]_D +14.7 (c, 0.34 in MeOH)

UV: [neutral] $\lambda_{\max}$ 230 () (MeOH)

>>Variant: (3*S*,7*R*,8*aR*)-form

Molecular Formula: C₁₁H₁₈N₂O₃

Molecular Weight: 226.275

Accurate Mass: 226.131743

Percentage Composition: C 58.39%; H 8.02%; N 12.38%; O 21.21%

Biological Source: Metab. of the yeast *Aureobasidium pullulans*

Physical Description: Amorph. solid

Optical Rotation: [α]_D²⁴ +40.5 (c, 1 in MeOH)

>>Variant: (3*S*,7*R*,8*aS*)-form

Synonym(s): 7-Hydroxygancidin W. L-L-form

CAS Registry Number: 115006-86-5

Molecular Formula: C₁₁H₁₈N₂O₃

Molecular Weight: 226.275

Accurate Mass: 226.131743

Percentage Composition: C 58.39%; H 8.02%; N 12.38%; O 21.21%

Biological Source: Isol. from rabbit skin tissue. Also from a marine bacterium associated with a *Palythoa* sp.

Use/Importance: Plant growth regulator

Melting Point: Mp 178-179°

Optical Rotation: [α]_D²⁸ -148.2 (c, 1 in H₂O)

UV: [neutral] $\lambda_{\max}$ 232 () (MeOH)

References:

Ienaga, K. *et al.*, *Tet. Lett.*, 1987, **28**, 1285-1286, (*isol*, *pmr*, *cmr*, *struct*)

Shigemori, H. *et al.*, *J. Nat. Prod.*, 1998, **61**, 696-698, (*isol*, *ir*, *pmr*, *cmr*)

Cronan, J.M. *et al.*, *Nat. Prod. Lett.*, 1998, **11**, 271-278, (*isol*, *uv*, *pmr*, *cmr*)