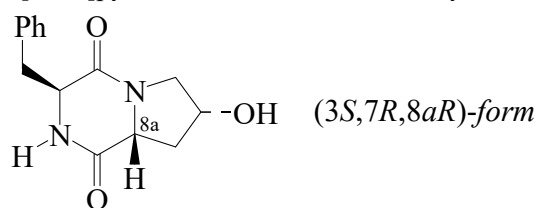




>>Entry Name: Cyclo(4-hydroxypropylphenylalanyl)

Synonym(s): Hexahydro-7-hydroxy-3-(phenylmethyl)pyrrolo[1,2-*a*]pyrazine-1,4-dione, 9Cl. 3-Benzylhexahydro-7-hydroxypyrrolo[1,2-*a*]pyrazine-1,4-dione



Molecular Formula: C₁₄H₁₆N₂O₃

Molecular Weight: 260.292

Accurate Mass: 260.116093

Percentage Composition: C 64.60%; H 6.20%; N 10.76%; O 18.44%

Use/Importance: Plant growth regulator

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

Molecular Formula: C₁₄H₁₆N₂O₃

Molecular Weight: 260.292

Accurate Mass: 260.116093

Percentage Composition: C 64.60%; H 6.20%; N 10.76%; O 18.44%

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

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_{\text{D}}^{24} +34.7$ (c, 1 in MeOH)

UV: [neutral] λ_{max} 208 (ϵ 28000); 281 (ϵ 2900) (MeOH) [neutral] λ_{max} 208 (ϵ 28000); 281 (ϵ 2900) (MeOH) (Berdy)

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

CAS Registry Number: 118477-06-8

Molecular Formula: C₁₄H₁₆N₂O₃

Molecular Weight: 260.292

Accurate Mass: 260.116093

Percentage Composition: C 64.60%; H 6.20%; N 10.76%; O 18.44%

Biological Source: Metab. of an undescribed Fijian marine sponge (Jaspidae)

Use/Importance: Plant growth regulator

Physical Description: Viscous oil

Optical Rotation: $[\alpha]_{\text{D}}^{20} -6.7$ (c, 0.016 in MeOH)

References:

Adamczeski, M. *et al.*, *J.A.C.S.*, 1989, **111**, 647, (*isol*, *ir*, *pmr*, *cmr*, *ms*, *struct*)

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

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