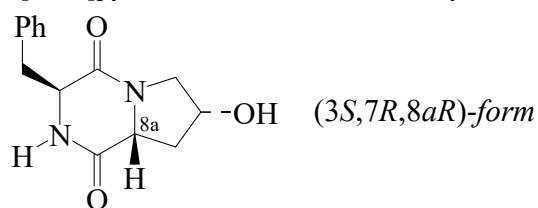




>>Entry Name: Cyclo(4-hydroxypropylphenylalanyl)

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:** C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

**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:** C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

**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:**  $[\alpha]_D^{24} +34.7$  (c, 1 in MeOH)

**UV:** [neutral]  $\lambda_{\max}$  208 ( $\epsilon$  28000); 281 ( $\epsilon$  2900) (MeOH) [neutral]  $\lambda_{\max}$  208 ( $\epsilon$  28000); 281 ( $\epsilon$  2900) (MeOH) (Berdy)

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

**CAS Registry Number:** 118477-06-8

**Molecular Formula:** C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

**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:**  $[\alpha]_D^{20} -6.7$  (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*)