

Cyclo(Tyr-Pro) Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Cyclo(Tyr-Pro)

Catalog No.: CFN90276

Cas No.: 5654-84-2

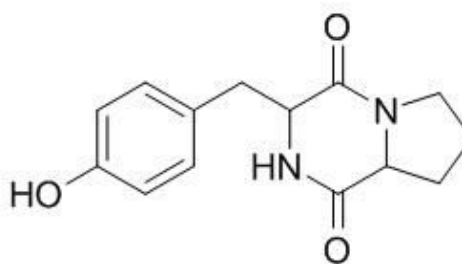
Purity: >=98%

M.F: C₁₄H₁₆N₂O₃

M.W: 260.29

Physical Description: Powder

Synonyms:



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Agricultural research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Others.

[Source]

From *Penicillium oxalicum*.

[Biological Activity or Inhibitors]

Cyclo(Pro-Tyr)and cyclo(Pro-Val) are toxic to both suspension cells and seedlings of *Pinus thunbergii*, which may offer some clues to research the mechanism of pine wilt disease caused by pine wood nematode.^[1]

Cyclo-(Tyr-Pro) shows antibacterial activity towards several marine bacterial species.^[2]

Cyclo-(Pro-Tyr) and cyclo-(Phe-Gly) show weak antagonistic activity against VEGFR2-CD.^[3]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[4]

Mobile phase: Methanol -H₂O,gradient elution;

Flow rate:0.7 ml/min;

Column temperature: 30°C;

The wave length of determination:210 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Guo Q, Guo D, Zhao B, *et al.* *J. Nematol.*,2007 Sep;39(3):243-7.

[2] Qi S H, Qian P Y, Zhang S.*Natural Product Research & Development*, 2009,21(3): 420-3.

[3] Jiang Z K, Yang Z, Guo L H, *et al.* *Chinese Journal of Antibiotics*,2014,6:408-12,421.

[4] Perzborn M, Syldatk C, Rudat J. *Chromatogr. Res. Int.*, 2013, 2013(6):1-8.

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