

Cyclo(Pro-Pro) Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cyclo(Pro-Pro)

Catalog No.: CFN90270

Cas No.: 6708-06-1

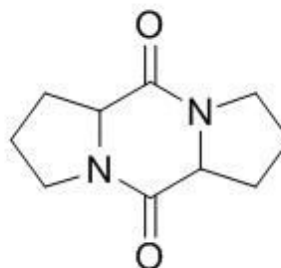
Purity: >= 98%

M.F: C₁₀H₁₄N₂O₂

M.W: 194.23

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The roots of *Panax notoginseng* (BurK.) F.H.Chen.

[Biological Activity or Inhibitors]

Verpacamides A-D, a sequence of C₁₁N₅ diketopiperazines relating cyclo(Pro-Pro) to cyclo(Pro-Arg), from the marine sponge *Axinella vaceleti* is possible biogenetic precursors of pyrrole-2-aminoimidazole alkaloids.^[1]

Cyclo(Pro-Pro) tasted bitter.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 7% Acetonitrile in 0.1M sodium acetate H₂O - 75%Acetonitrile in water, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 43 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Vergne C, Boury-Esnault N, Perez T, *et al. Org .Lett.*, 2006, 8(11):2421-4.

[2] Roudot-Algaron F, Bars D L, Einhorn J, *et al. J. Food Sci.*, 1993, 58(58):1005-09.

[3] Cheng X L, Xiao X Y, Zou Q W, *et al. Journal of Pharmaceutical Analysis*, 2008 (12): 1997-2000.

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