

Cyclo(Phe-Gly) Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Cyclo(Phe-Gly)

Catalog No.: CFN90286

Cas No.: 5037-75-2

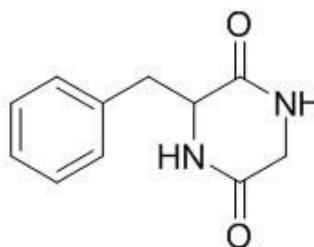
Purity: >=98%

M.F: C₁₁H₁₂N₂O₂

M.W: 204.23

Physical Description: Powder

Synonyms: 3-(Phenylmethyl)piperazine-2,5-dione.



[Intended Use]

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

[Source]

From *Pantoea agglomerans*.

[Biological Activity or Inhibitors]

Cyclo-(Pro-Tyr) and cyclo-(Phe-Gly) show weak antagonistic activity against VEGFR2

-CD.^[1]

Cyclo-(Phe-Gly) shows strong inhibitory activity against human cancer cells(KB,KBv200) with LD₅₀ at 6.5 and 11.2 umol/L,respectively.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O,gradient elution;

Flow rate:0.7 ml/min;

Column temperature: 30℃;

The wave length of determination:210 nm.

[Storage]

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

[References]

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

[2] Yang J X, Huang R M, Qiu S X, *et al. Hubei Agricultural Sciences*, 2013, 52 (11) :2558-61.

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

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