

## Cyclo(Ala-Phe) Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Cyclo(Ala-Phe)

**Catalog No.:** CFN90266

**Cas No.:** 14474-78-3

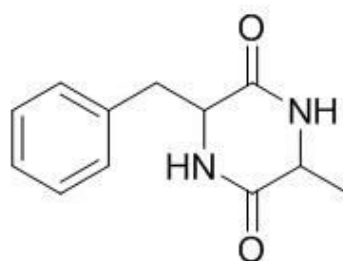
**Purity:** >=98%

**M.F:** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>

**M.W:** 218.26

**Physical Description:** Powder

**Synonyms:** 3-Benzyl-6-methylpiperazine-2,5-dione.



### [ Intended Use ]

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

### [ Source ]

The roots of *Rubia schumanniana* Pritzel.

### [ Biological Activity or Inhibitors ]

Cyclo(Phe-Ala) displays significant anti-diatom activity with the inhibitory rate of 50% at

the concentration of 50 microg/mL.<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[1]</sup>**

Mobile phase: Methanol- H<sub>2</sub>O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 200 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Zhu J S, Jiang W, Miao L, *et al. Acta Microbiologica Sinica*, 2013, 53(8):825-31.

## **[ Contact ]**

**Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)