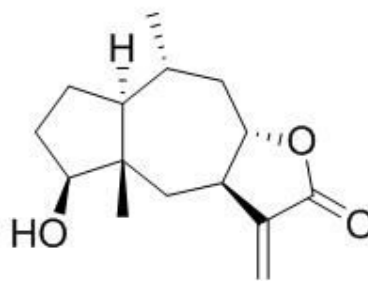


## 2-Desoxy-4-epi-pulchellin Datasheet

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

### [ Product Information ]

**Name:** 2-Desoxy-4-epi-pulchellin**Catalog No.:** CFN99345**Cas No.:** 122872-03-1**Purity:** > 95%**M.F:** C<sub>15</sub>H<sub>22</sub>O<sub>3</sub>**M.W:** 250.3**Physical Description:** Powder**Synonyms:** (3aR,4aS,5S,7aS,8R,9aS)-5-Hydroxy-4a,8-dimethyl-3-methylenedecahydroa  
zuleno[6,5-b]furan-2(3H)-one.

### [ Intended Use ]

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

### [ Source ]

The rhizomes of *Carpesium abrotanoides*.

### [ Biological Activity or Inhibitors ]

2-Desoxy-4-epi-pulchellin has potent in vitro cytotoxicities against the K562, MCF-7, HeLa, DU145, U937, H1975, SGC-7901, A549, MOLT-4, and HL60 cell lines with IC<sub>50</sub> values ranging from 0.10 to 46.7uM, while it shows significant antiviral (H1N1 and H3N2) activities, it also displays significant antimycobacterial activity (IC<sub>50</sub>=7.6 uM).[1]

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

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

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 211 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Wang J F, He W J, Zhang X X, *et al. Bioorg. Med. Chem. Lett.*, 2015 Oct 1;25(19): 4082-4.

[2] Liu M, Zhou X J. *Zhongguo Zhong Yao Za Zhi*, 2015 May;40(9):1783-6.

## **[ Contact ]**

### **Address:**

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

**Email:** info@chemfaces.com

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

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

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

**Tech Support:** service@chemfaces.com