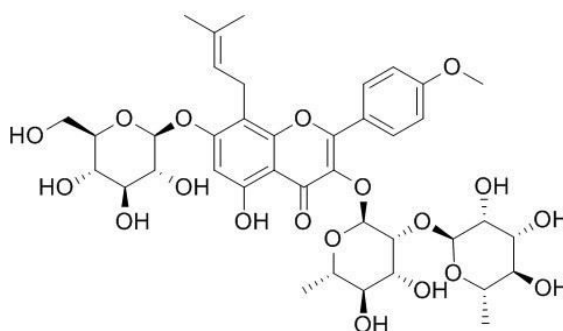


## Epimedin C Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Epimedin C**Catalog No.:** CFN99941**Cas No.:** 110642-44-9**Purity:** > 98%**M.F:** C<sub>39</sub>H<sub>50</sub>O<sub>19</sub>**M.W:** 822.80**Physical Description:** Yellow powder

**Synonyms:** 3-[(2S,3R,4R,5R,6S)-4,5-dihydroxy-6-methyl-3-[(2S,3R,4R,5R,6S)-3,4,5-trihydroxy-6-methyl-tetrahydropyran-2-yl]oxy-tetrahydropyran-2-yl]oxy-5-hydroxy-2-(4-methoxyphenyl)-8-(3-methylbut-2-enyl)-7-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydr.

**[ Intended Use ]**

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

**[ Source ]**The herbs of *Epimedium brevicornum Maxim.*

## **[ Biological Activity or Inhibitors ]**

Epimedin A, epimedin B, epimedin C, icariin and baohuoside are flavonoids, main active ingredient in Epimedium, have clear anti-osteoporosis effect.<sup>[1]</sup>

Epimedin C and diphyllaside A have antiinflammation effect, can reduce the swelling of the rats foot induced by egg.<sup>[2]</sup>

The accumulation of epimedins A, B, C, and icariin in a traditional medicinal plant could be suppressed by light stress.<sup>[3]</sup>

## **[ Solvent ]**

Pyridine, DMSO, Methanol, Ethanol, Hot water, etc.

## **[ HPLC Method ]<sup>[4]</sup>**

Mobile phase: Acetonitrile-1% Acetic acid H<sub>2</sub>O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Gao X, Chen Y, Zhou J, *et al.* *National Symposium on Chinese medicine and natural medicine.* 2014.

[2] Xie J, Xie R, Wang X. *Chinese Journal of Modern Applied Pharmacy*, 2012(3):198-201.

[3] Zeng S, Liu Y, Wang Y. *Acta Physiol. Plant*, 2013, 35(11):3271-5.

[4] Zhang H F, Gao X, Lu D Y, *et al.* *Journal of Instrumental Analysis*, 2007, 26(2):198-201.

## **[ 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)