

Epimedin A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Epimedin A

Catalog No.: CFN99939

Cas No.: 110623-72-8

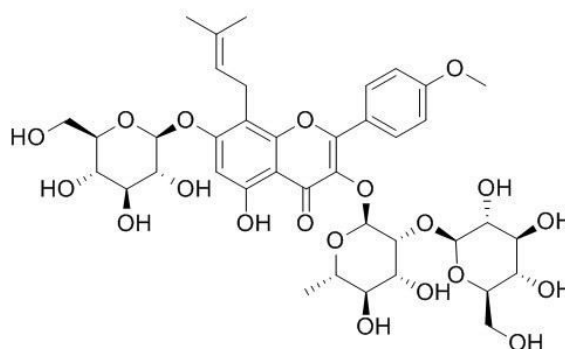
Purity: > 98%

M.F: C₃₉H₅₀O₂₀

M.W: 838.80

Physical Description: Yellow powder

Synonyms: 3-[[[(2S,3R,4R,5R,6S)-4,5-dihydroxy-6-methyl-3-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)-2-oxanyl]oxy]-2-oxanyl]oxy]-5-hydroxy-2-(4-methoxyphenyl)-8-(3-methylbut-2-enyl)-7-[(1R,2R,3S,4R,5R)-2,3,4-trihydroxy-5-(hydroxymethyl)cyclohexyl]oxy]-1-ben.



[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.^[1]

Epimedin A is a major component of Herba Epimedii with bioactivities, and Herba Epimedii (Epimedium) is a kind of tonic herb, widely used in China.^[2]

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

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetonitrile-1% Acetic acid H₂O, 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] Cui L, Xu F, Jiang J, *et al.* *Chromatographia,* 2014, 77(17-18):1223-34.

[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

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com