

Epimedin B Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Epimedin B

Catalog No.: CFN99940

Cas No.: 110623-73-9

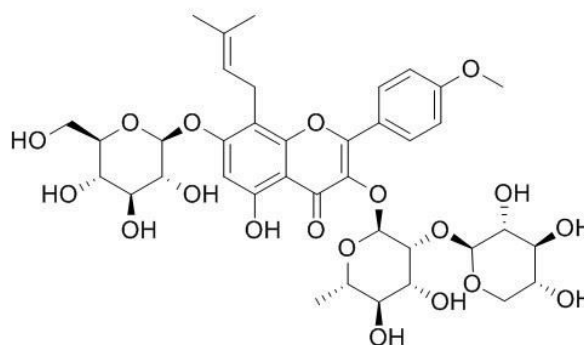
Purity: > 98%

M.F: C₃₈H₄₈O₁₉

M.W: 808.78

Physical Description: Yellow powder

Synonyms: 3-[[[(2S,3R,4R,5R,6S)-4,5-dihydroxy-6-methyl-3-[[[(2S,3R,4S,5R)-3,4,5-trihydroxy-2-oxanyloxy]-2-oxanyloxy]-5-hydroxy-2-(4-methoxyphenyl)-8-(3-methylbut-2-enyl)-7-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)-2-oxanyloxy]-1-benzopyran-4-on



[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]

The accumulation of epimedins A, B, C, and icariin in a traditional medicinal plant could be suppressed by light stress.^[2]

[Solvent]

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

[HPLC Method]^[3]

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

[3] Zhang H F, Gao X, Da-Yan L U, *et al.* *Journal of Instrumental Analysis*, 2007, 26(2):198-201.

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