

Polyphyllin II Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Polyphyllin II

Catalog No.: CFN99953

Cas No.: 76296-72-5

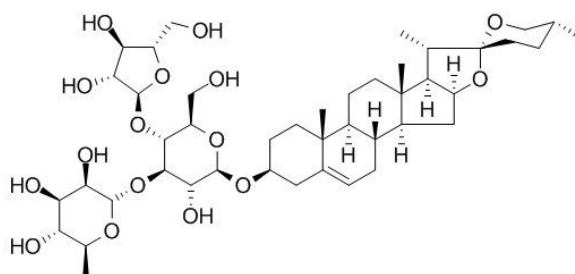
Purity: >=98%

M.F: C₄₄H₇₀O₁₆

M.W: 855.02

Physical Description: White cryst.

Synonyms: Chonglou Saponin II.



[Intended Use]

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

[Source]

The rhizomes of *Paris yunnanensis* Franch.

[Biological Activity or Inhibitors]

Polyphyllin II has hemolytic effect, the hemolytic mechanism in vitro may be related to the

increase in intracellular osmotic pressure and rupture of erythrocytes by changing the anion channel transport activity, with glucose transporter 1 (GLUT1) as the major competitive interaction site.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 203 nm.

[Storage]

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

[References]

[1] Ning L H, Zhou B, Zhang Y X, *et al.* *Zhongguo Zhong yao za zhi*, 2015, 40(18):3623-9.

[2] Chen X K. *Chinese Journal of Modern Applied Pharmacy*, 2013, 30(12):1346-9.

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