

Polyphyllin G Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Polyphyllin G

Catalog No.: CFN99955

Cas No.: 76296-75-8

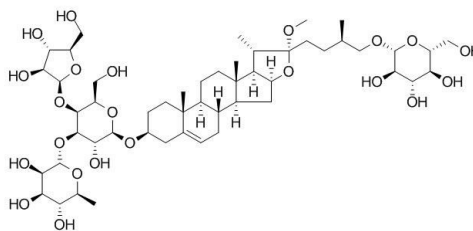
Purity: >=98%

M.F: C₅₁H₈₄O₂₂

M.W: 1049.22

Physical Description: Powder

Synonyms: Polyphyllin VII.



[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 G, extract from rhizomes of *Paris yunnanensis* Franch, has been shown to

have strong anticancer activities in a wide variety of human cancer cell lines; apoptosis and autophagy during polyphyllin G-induced cell death in human oral cancer cell lines, suggests that polyphyllin G is a promising candidate for developing antitumor drugs targeting human oral squamous cell carcinoma.^[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] Hsieh M J, Chien S Y, Lin J T, *et al. Phytomedicine*, 2016, 23(13):1545-54.

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

[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