

Podophyllotoxin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Podophyllotoxin

Catalog No.: CFN99168

Cas No.: 518-28-5

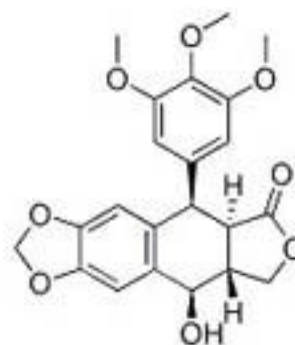
Purity: > 98%

M.F: C₂₂H₂₂O₈

M.W: 414.41

Physical Description: White cryst.

Synonyms: (5R,5aR,8aR,9R)-5-hydroxy-9-(3,4,5-trimethoxyphenyl)-5a,6,8a,9-tetrahydro-5H-isobenzofuro[5,6-f][1,3]benzodioxol-8-one.



[Intended Use]

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

[Source]

The root of *Dysosma versipellis* (Hance) M.Cheng ex Ying.

[Biological Activity or Inhibitors]

Podophyllotoxin has antitumor and antiviral properties, but it also shows cytotoxicity for normal cells and hence side effects derived from its lack of selectivity against tumoral cells.^[1]

[Solvent]

Chloroform, Dichloromethane, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O=55:45 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 290 nm.

[Storage]

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

[References]

[1] Gordaliza M, Castro M A, del Corral J M, *et al. Curr. Pharm. Des.*, 2000, 6(18):1811-39.

[2] Zhong G H, Quan H, Yuan L, *et al. Medicinal Plant*, 2010(12):54-7.

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