

4'-Demethylepipodophyllotoxin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 4'-Demethylepipodophyllotoxin

Catalog No.: CFN99128

Cas No.: 6559-91-7

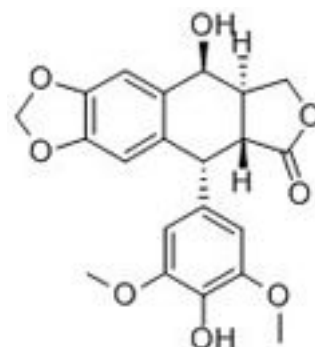
Purity: > 98%

M.F: C₂₁H₂₀O₈

M.W: 400.38

Physical Description: White powder

Synonyms: (5S,5aR,8aR,9R)-5-hydroxy-9-(4-hydroxy-3,5-dimethoxyphenyl)-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 herb of *Dysosma pleiantha* (Hance) Woodson.

[Biological Activity or Inhibitors]

New 4-hydroxylated and 4-halogenated anilino derivatives of 4'-demethylepipodophyllotoxin are potent inhibitors of human DNA topoisomerase II.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- H₂O=27:73 ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 290 nm.

[Storage]

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

[References]

[1] Lee K H, Beers S A, Mori M, *et al. J.Med.Chem.*, 1990, 33(5):1364-8.

[2] Li Y L, Xu W H, Zhou G Y, *et al. Natural Product Research and Development*, 2015(1): 94-8.

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