

Myricanol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Myricanol

Catalog No.: CFN98430

Cas No.: 33606-81-4

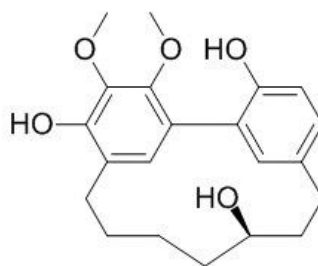
Purity: > 95%

M.F: C₂₁H₂₆O₅

M.W: 358.4

Physical Description: Powder

Synonyms: (9R)-16,17-Dimethoxytricyclo[12.3.1.1~2,6~]nonadeca-1(18),2(19),3,5,14,16-hexaene-3,9,15-triol.



[Intended Use]

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

[Source]

The root bark of *Myrica cerifera* L.

[Biological Activity or Inhibitors]

Myricanol can significantly decelerate tumor growth in vivo by inducing apoptosis.^[1]

Myricanol elicits growth inhibitory and cytotoxic effects on lung cancer cells, it may be a clinical candidate for the prevention and treatment of lung cancer.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-H₂O=80:20 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Dai G. *Int. J. Mol. Sci.*, 2015, 16(2):2717-31.

[2] Dai G H, Meng G M, Tong Y L, *et al. Phytomedicine.*, 2014, 21(11):1490-6.

[3] Zhai Q, Guo S Y, Wu Y M. *Modern Food Science & Technology*, 2008, 24(6):606-8.

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