

(-)-Licarin B Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: (-)-Licarin B

Catalog No.: CFN99751

Cas No.: 51020-87-2

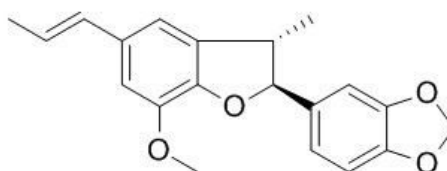
Purity: >=98%

M.F: C₂₀H₂₀O₄

M.W: 324.37

Physical Description: White powder

Synonyms: 5-((2R,3R)-2,3-Dihydro-7-methoxy-3-methyl-5-(1E)-1-propenyl-2-benzofuran-yl)-1,3-benzodioxole; 1,3-Benzodioxole, 5-[(2R,3R)-2,3-dihydro-7-Methoxy-3-Methyl-5-(1E)-1-propenyl-2-benzofuranyl]-(9CI).



[Intended Use]

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

[Source]

The seeds of *Myristica fragrans* Houtt.

[Biological Activity or Inhibitors]

Licarlin B (LB), a neolignan isolated from *Myristica fragrans*, can improve insulin sensitivity via PPAR γ and activation of GLUT4 in the IRS-1/PI3K/AKT pathway in 3T3-L1 adipocytes, it as a promising bioactive for insulin resistance and associated complications through its partial PPAR γ activity.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Tetrahydrofurane-Acetonitrile-Methanol-H₂O-Glacial acetic acid=

17:51:51:84:2 ;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

[Storage]

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

[References]

[1] Shyni G L, Sasidharan K, Francis S K, *et al. Rsc Adv.*, 2016, 6(83):79859-70.

[2] Wang Y, Yang X. *Modern Chinese Medicine*, 2008, 10(2):10-3.

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