**Product Information**

**Name:** Liensinine  
**Catalog No.:** CFN99580  
**Cas No.:** 2586-96-1  
**Purity:** >98%  
**M.F:** C_{37}H_{42}N_{2}O_{6}  
**M.W:** 610.75  

**Physical Description:** White powder  

**Synonyms:** 4-[[((1r)-6,7-dimethoxy-2-methyl-3,4-dihydro-1h-isooquinolin-1-yl)methyl]-2-[[((1r)-1-
-1-[[4-hydroxyphenyl]methyl]-6-methoxy-2-methyl-3,4-dihydro-1h-isooquinolin-7-yl]oxy]phenol;2-methyl-1-isooquinolinyl[methyl]-2-[[((1R)-1,2,3,4-tetrahydro-1-[(4-hydroxyphenyl)meth-
yl]-6-methoxy-2-methyl-7-isooquinolinyl]oxy];Phenol,4-[[((1R)-1,2,3,4-tetrahydro-6, 
7-dimethoxy-];Liensinine perchlorate.

**Intended Use**

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

**Source**
The plantule of *Nelumbo nucifera* Gaertn.

**[Biological Activity or Inhibitors]**

Liensinine and neferine, a kind of isoquinoline alkaloid, can antagonize the ventricular arrhythmias, have inhibition of human ether-a-go-go-related gene (hERG). [1]

Liensinine inhibits late-stage autophagy/mitophagy through blocking autophagosome-lysosome fusion, it could potentially be further developed as a novel autophagy/mitophagy inhibitor, and a combination of liensinine with classical chemotherapeutic drugs could represent a novel therapeutic strategy for treatment of breast cancer. [2]

Liensinine exerts remarkable effect against thrombosis and possesses strong effect against platelet aggregation and coagulation. [3]

**[Solvent]**

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

**[HPLC Method]** [4]

Mobile phase: Methanol- 0.2 M KH$_2$PO$_4$-0.2 M NaOH- Methylamine =71:17:12:0.002,(pH 9.2-9.3);

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wavelength of determination: 282 nm.

**[Storage]**

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

**[References]**


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