[ Product Information ]

Name: Kaerophyllin
Catalog No.: CFN97234
Cas No.: 75590-33-9
Purity: >95%
M.F: C_{21}H_{20}O_{6}
M.W: 368.38

Physical Description: Powder

Synonyms: (3E,4R)-4-(1,3-benzodioxol-5-ylmethyl)-3-[(3,4-dimethoxyphenyl)methylidene] dihydrofuran-2(3H)-one.

[ Intended Use ]

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

[ Source ]

The roots of Bupleurum chinense DC.

[ Biological Activity or Inhibitors ]
Kaerophyllin, a lignan, isolated from a widely used traditional Chinese herb, Bupleurum scorzonerifolium, leading to the inhibition of hepatic stellate cells (HSCs) activation in vitro; it protects the rat liver from TAA-caused injury and fibrogenesis by suppressing hepatic inflammation and inhibiting HSC activation, possibly through upregulation of PPAR-γ expression.\[1\]

Kaerophyllin can inhibit apoptotic body-induced LX-2 activation and migration with downregulation of Akt/ERK phosphorylations and NF-κB activity, suggests a novel platform for screening anti-fibrotic compounds with apoptotic bodies.\[2\]

**[Solvent]**

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

**[HPLC Method]**\[3\]

Mobile phase: Methanol- H2O=70:30 ;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wavelength of determination: 328 nm.

**[Storage]**

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

**[References]**


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