[Product Information]

Name: Isodunnianol
Catalog No.: CFN99449
Cas No.: 139726-30-0
Purity: > 95%
M.F: C_{27}H_{26}O_{3}
M.W: 398.5
Physical Description: Powder
Synonyms: 5,5'-Diallyl-3-(4-allylphenoxy)-2,2'-biphenyldiol; 12-Hydroxy-drim-8-en-11-oic acid-lactone.

[Intended Use]

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

[Source]

The fruits of *Illicium fargesii*.

[Biological Activity or Inhibitors]
Isodunnianol, dunnianol, and Macranthol have anti-inflammatory activity, they can increase NAG-1 (multiple targets related to inflammation) activity 1.5 - 3.0 fold and decrease cellular oxidative stress by 40-65%, they show substantial activity against iNOS.[1]

Isodunnianol exhibits neurite outgrowth-promoting activity at the concentration ranging from 0.1 to 10 uM in the primary cultured rat cortical neurons.[2]

Isodunnianol exhibits anti-AChE activity with an IC_{50} value of 13.0 uM.[3]

[ **Solvent** ]

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

[ **HPLC Method** ][4]

Mobile phase: Acetonitrile-H2O, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 30 ℃;
The wavelength of determination: 254 nm.

[ **Storage** ]

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

[ **References** ]

Address:
S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056, China

Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com