

Phylltetralin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Phylltetralin

Catalog No.: CFN92069

Cas No.: 123048-17-9

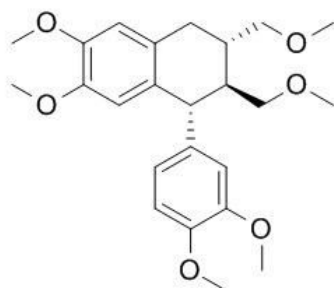
Purity: > 95%

M.F: C₂₄H₃₂O₆

M.W: 416.5

Physical Description: Powder

Synonyms: (1R,2S,3S)-1-(3,4-Dimethoxyphenyl)-1,2,3,4-tetrahydro-6,7-dimethoxy-2,3-bis(methoxymethyl)naphthalene.



[Intended Use]

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

[Source]

The herbs of *Phyllanthus niruri* Linn.

[Biological Activity or Inhibitors]

Phyllanthin and phylltetralin show strong inhibition on lymphocyte proliferation with half maximal inhibitory concentration (IC₅₀) values of 1.82 μ M and 1.07 μ M, respectively. ^[1]

Phylltetralin exhibits marked anti-inflammatory properties.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

[Storage]

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

[References]

[1] Yuandani, Jantan I, Ilangkovan M, *et al. Drug Des. Dev. Ther.*, 2016, 10:1935-45.

[2] Kassuya C A, Leite D F, de Melo L V, *et al. Planta Med.*, 2005, 71(8):721-6.

[3] Murugaiyah V, Chan K L. *J. Chromatogr. A*, 2007, 1154(1-2):198-204.

[Contact]

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