

(-)-Variabilin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: (-)-Variabilin

Catalog No.: CFN97945

Cas No.: 370102-93-5

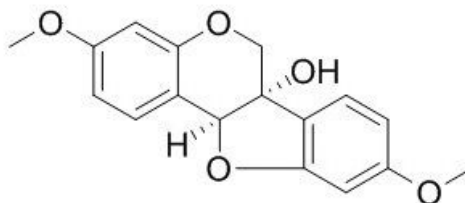
Purity: >=95%

M.F: C₁₇H₁₆O₅

M.W: 300.31

Physical Description: Powder

Synonyms: (6aS,11aS)-3,9-Dimethoxy-6H-benzofuro[3,2-c][1]benzopyran-6a(11aH)-ol.



[Intended Use]

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

[Source]

The roots of *Angelica sinensis*.

[Biological Activity or Inhibitors]

Variabilin, a novel inhibitor of human platelet aggregation, it is a potent RGD

(Arg-Gly-Asp)-containing antagonist of the fibrinogen receptor glycoprotein IIb-IIIa (GPIIb-IIIa; α IIb β 3) and the vitronectin receptor α v β 3.^[1]

Variabilin is an inhibitor of human secretory and cytosolic phospholipase A2 (PLA2) activities that controls eicosanoid production in vitro and in vivo, inhibits neutrophil degranulation and superoxide generation in vitro and shows anti-inflammatory activity after topical or p.o. administration to mice.^[2]

Variabilin is an antimicrobial furanosesterterpene.^[3]

Variabilin is an important chemotaxonomic marker for the family Irciniidae.^[4]

[Solvent]

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

[HPLC Method]^[1]

Mobile phase: 0.1% Trifluoroacetic acid in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 214 nm.

[Storage]

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

[References]

[1] Wang X, Coons L B, Taylor D B, *et al. J. Biol. Chem.*, 1996, 271(30):17785-90.

[2] Escrig V, Ubeda A, Ferrandiz M L, *et al. J. Pharmacol. Exp. Ther.*, 1997, 282(1): 123-31.

[3] Kurosaki M. *Nat. Prod. Lett.*, 1993, 3(3):189-92.

[4] Liu Y, Zhang S, Jung J H, *et al. Zeitschrift für Naturforschung C*, 2008, 62(7-8):473-6.

[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