

Cleomiscosin C Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Cleomiscosin C

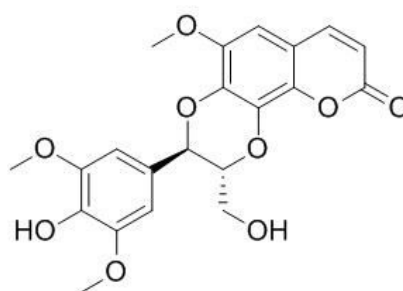
Catalog No.: CFN97400

Cas No.: 84575-10-0

Purity: > 95%

M.F: C₂₁H₂₀O₉

M.W: 416.4



Physical Description: Powder

Synonyms: 9H-Pyrano[2,3-f]-1,4-benzodioxin-9-one, 2,3-dihydro-3-(4-hydroxy-3,5-dimethoxyphenyl)- 2-(hydroxymethyl)-5-methoxy-, (2R,3R)-rel-; Aquillochin.

[Intended Use]

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

[Source]

The herbs of *Buxus sinica*.

[Biological Activity or Inhibitors]

Cleomiscosin C and cleomiscosin A have antioxidant activity, they protect against the oxidative modification of apoB-100 induced by either Cu²⁺ or HOCl (A, IC₅₀s of 13.4 and 8.1 microM, respectively; C, IC₅₀s of 23.6 and 3.9 microM, respectively), suggests that they could be beneficial in preventing LDL oxidation in atherosclerotic lesions.^[1]

Cleomiscosins A, B and C exhibit liver-protective properties.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: (Acetonitrile- Methanol =1:2) - 0.5% Acetic acid in water, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 326 nm.

[Storage]

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

[References]

[1] Jin W Y, Thuong P T, Su N D, *et al. Arch. Pharm. Res.*, 2007, 30(3):275-81.

[2] Ray A B, Chattopadhyay S K, Kumar S, *et al. Tetrahedron*, 1985, 41(1):209-14.

[3] Kaur R, Kumar S, Chatterjee A, *et al. Biomed. Chromatogr.* , 2010, 24(9):1000-5.

[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