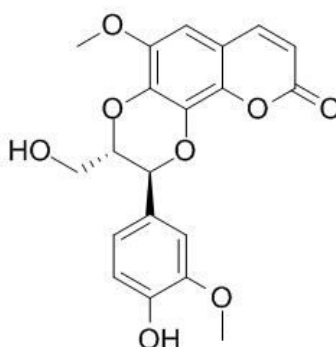


Cleomiscosin B Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Cleomiscosin B**Catalog No.:** CFN94004**Cas No.:** 76985-93-8**Purity:** >=98%**M.F:** C₂₀H₁₈O₈**M.W:** 386.36**Physical Description:** Powder**Synonyms:** (2R,3R)-2-(4-hydroxy-3-methoxyphenyl)-3-(hydroxymethyl)-5-methoxy-2,3-dihydro-9H-[1,4]dioxino[2,3-h]chromen-9-one.

[Intended Use]

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

[Source]

The herbs of *Paederia scandens* (Lour.) Merr.

[Biological Activity or Inhibitors]

Cleomiscosins A, B and C exhibit liver-protective properties.^[1]

Cleomiscosin B shows the potent anti-HIV-1 activity in vitro and also has protective effects on MT4 cells infected by HIV-1(IIIB).^[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] Ray A B, Chattopadhyay S K, Kumar S, *et al. Tetrahedron*, 1985, 41(1):209-14.

[2] Li Z L, Li F L, Zheng Y T, *et al. Journal of Beijing Forestry University*, 2007, 29(5):73-83.

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

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