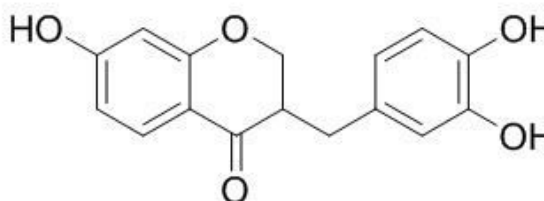


3-Deoxysappanone B Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 3-Deoxysappanone B**Catalog No.:** CFN99229**Cas No.:** 113122-54-6**Purity:** > 95%**M.F:** C₁₆H₁₄O₅**M.W:** 286.3**Physical Description:** Powder**Synonyms:**3-(3,4-Dihydroxybenzyl)-7-hydroxy-2,3-dihydro-4H-chromen-4-one.

[Intended Use]

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

[Source]

The heartwoods of *Caesalpinia sappan*.

[Biological Activity or Inhibitors]

3-Deoxysappanone B has vasorelaxation effects, it can mediate endothelium-

independent vasodilator action in rat thoracic aortic rings.^[1]

3-Deoxysappanone B shows estrogenic activity, it also proposes antiestrogenic activity.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 0.02 M KH₂PO₄ -1% Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] He W, Fang T, Zhang K, *et al.* *China Journal of Chinese Materia Medica*, 2009, 34(6): 731-4.

[2] Lai W J. *Kaohsiung Medical University Institutional Repository*, 2008.

[3] Sun Y L, Zhao H X, Bai H. *Chinese Journal of Pharmaceutical Analysis*, 2014, 34(8): 1391-6.

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