

4',7-Dihydroxyflavone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 4',7-Dihydroxyflavone

Catalog No.: CFN92855

Cas No.: 2196-14-7

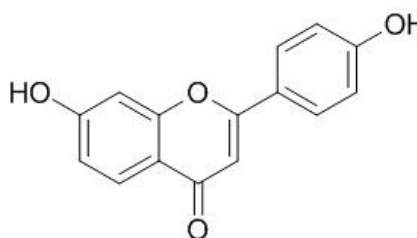
Purity: >=98%

M.F: C₁₅H₁₀O₄

M.W: 254.1

Physical Description: Yellow cryst.

Synonyms: 7-Hydroxy-2-(4-hydroxyphenyl)-4h-1-benzopyran-4-on.



[Intended Use]

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

[Source]

The heartwood of *Pterocarpus marsupium*.

[Biological Activity or Inhibitors]

4',7-Dihydroxyflavone can induce transcription of nodulation (nod) genes in Rhizobium

melliloti.^[1]

4',7-Dihydroxyflavone has inhibitory activities against COX-2.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol- Acetonitrile-0.2% Phosphoric acid=30:7:63 ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 306 nm.

[Storage]

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

[References]

[1] Maxwell C A, Hartwig U A, Joseph C M, *et al. Plant Physiol.*, 1989, 91(3):842-7.

[2] Li X, Liu Z, Zhang X F, *et al. Molecules*, 2008, 13(8):1530-7.

[3] Min J G, Zhou Y L, Lv G R, *et al. Chinese Journal of Information on Traditional Chinese Medicine*, 2013, 20(6):61-3.

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