

4',5,7-Trihydroxy-6-prenylflavone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 4',5,7-Trihydroxy-6-prenylflavone

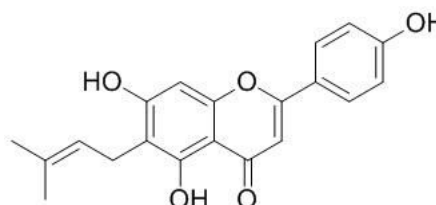
Catalog No.: CFN97161

Cas No.: 68097-13-2

Purity: > 95%

M.F: C₂₀H₁₈O₅

M.W: 338.4



Physical Description: Yellow powder

Synonyms: 5,7,4'-Trihydroxy-6-[3''-methylbut-2''-enyl]-flavone;6-Prenylapigenin;
6-Prenyl-4',5,7-trihydroxyflavone;5,7-Dihydroxy-2-(4-hydroxyphenyl)-6-(3-Methylbut-2-en-1-yl)-4H-chroMen-4-one.

[Intended Use]

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

[Source]

The herbs of *Garcinia hanburyi* Hook.f.

[Biological Activity or Inhibitors]

6-Prenylapigenin(4',5,7-Trihydroxy-6-prenylflavone) shows potent inhibitory activity on melanin formation, it may be potential sources for skin whitening agents.^[1]

6-Prenylapigenin shows moderate cytotoxicities against breast cancer (MDA-MB-435S) and lung adenocarcinoma (A549) cell lines.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 370 nm.

[Storage]

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

[References]

[1] Arung E T, Shimizu K, Kondo R. *Nat. Prod. Commun.*, 2011, 6(9):1397-402.

[2] Han Q B, Qiao C F, Song J Z, *et al. Chem. Biodivers.*, 2007, 4(5):940-6.

[3] Yang C H, Yang Y, Liu J H. *Phytochem. Lett.*, 2013, 6(3):387-91.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

China

Tech Support: service@chemfaces.com