

Ficusin A Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Ficusin A

Catalog No.: CFN99817

Cas No.: 173429-83-9

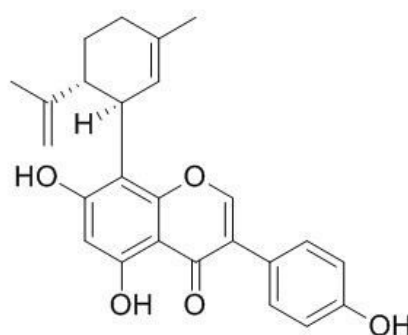
Purity: > 95%

M.F: C₂₅H₂₄O₅

M.W: 404.5

Physical Description: Yellow powder

Synonyms: 5,7-Dihydroxy-3-(4-hydroxyphenyl)-8-[(1R,6R)-6-isopropenyl-3-methyl-2-cyclohexen-1-yl]-4H-chromen-4-one.



[Intended Use]

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

[Source]

The seeds of *Psoralea corylifolia* Linn.

[Biological Activity or Inhibitors]

Ficusin has antioxidant, antilipidemic and antidiabetic effects, it can lower the levels of fasting blood glucose, plasma insulin, body weight gain in HFD-STZ induced diabetic rats, and can significantly enhance the PPAR γ expression and improve the translocation and activation of GLUT4 in the adipose tissue, suggests that ficusin improves the insulin sensitivity on adipose tissue and it can be used for the treatment of obesity related type 2 diabetes mellitus.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 320 nm.

[Storage]

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

[References]

[1] Irudayaraj S S, Stalin A, Sunil C, *et al. Chem. Biol. Interact.*,2016,256:85-93.

[2] Yang R P, Wang B H, Xu Y Q, *et al. Chinese Traditional Patent Medicine*, 2007, 29(1):67-9.

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