

Semilicoisoflavone B Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Semilicoisoflavone B

Catalog No.: CFN90818

Cas No.: 129280-33-7

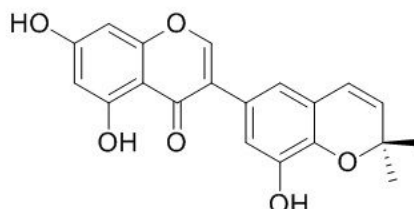
Purity: >=98%

M.F: C₂₀H₁₆O₆

M.W: 352.34

Physical Description: Powder

Synonyms: 5,7-Dihydroxy-3-(8-hydroxy-2,2-dimethylchromen-6-yl)chromen-4-one.



[Intended Use]

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

[Source]

The roots of *Glycyrrhiza uralensis* Fisch.

[Biological Activity or Inhibitors]

Semilicoisoflavone B can inhibit sorbitol formation of rat lens incubated with a high

concentration of glucose, indicates that it may be effective for preventing osmotic stress in hyperglycemia.^[1]

[Solvent]

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

[HPLC Method]^[2]

HPLC-MS:

Mobile phase: 0.1% Formic acid in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

Ion spray voltage: 3.5 kV;

The capillary offset voltage: -60V;

Capillary temperature : 350 °C;

Capillary voltage: -30V;

Mass scan range: 150-1000u.

[Storage]

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

[References]

[1] Lee Y S, Kim S H, Jung S H, *et al. Biol. Pharm. Bull.*, 2010, 33(5):917-21.

[2] Wang Q, Qian Y, Wang Q, *et al. J.Pharm. Biomed.Anal.*, 2015, 115:515-22.

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