

Apigenin-7-glucuronide Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Apigenin-7-glucuronide

Catalog No.: CFN98500

Cas No.: 29741-09-1

Purity: > 98%

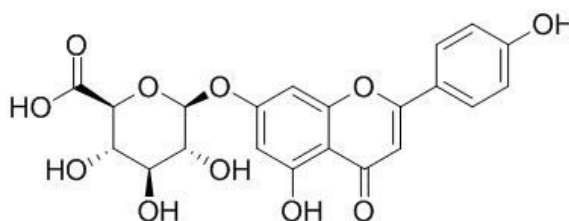
M.F: C₂₁H₁₈O₁₁

M.W: 446.36

Physical Description: Yellow powder

Synonyms: Scutellarin A; Apigenin 7-O-β-D-glucuronide;

5,4'-Dihydroxy-7-(β-D-glucopyranuronosyloxy)flavone; 4',5-Dihydroxy-7-[(β-D-glucopyranuronosyl)oxy]flavone; 7-(6-Oxo-β-D-glucopyranosyloxy)-5-hydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Others.

[Source]

The herb of *Phlomis tuberosa*.

[Biological Activity or Inhibitors]

Apigenin 7-O- β -D-glucuronide(AG), an active flavonoid derivative isolated from the agricultural residue of *Juglans sigillata* fruit husks, possesses multiple pharmacological activities, including anti-oxidant, anti-complement, and aldose reductase inhibitory activities; AG protects mice from LPS-induced endotoxin shock by inhibiting proinflammatory cytokine production, suggests that AG may be used as a source of anti-inflammatory agents as well as a dietary complement for health promotion.^[1]

[Solvent]

Pyridine, DMSO, Ethanol, Methanol.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-1%Phosphoric acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Hu W, Wang X, Wu L, *et al. Food Funct.*, 2016, 7(2):1002-13.

[2] Xue P, Zhao Y, Wang B, *et al. J. Chromatogr. Sci.*, 2007, 45(4):216-9.

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