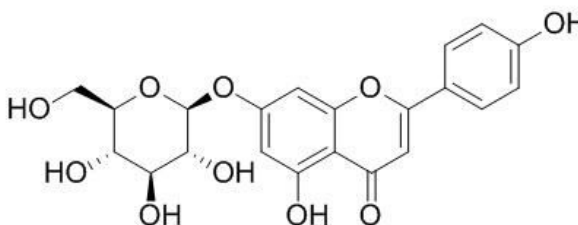


Cosmosiin Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Cosmosiin**Catalog No.:** CFN98981**Cas No.:** 578-74-5**Purity:** > 98%**M.F:** C₂₁H₂₀O₁₀**M.W:** 432.4**Physical Description:** Yellow powder

Synonyms: 5-hydroxy-2-(4-hydroxyphenyl)-7-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)-2-oxanyl]oxy]-1-benzopyran-4-one; 7-O-beta-D-Glucopyranosyloxy-4',5-dihydroxyflavone; Apigenin 7-O-glucoside; Apigetrin.

**[Intended Use]**

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

[Source]The flowers of *Cosmos bipinnatus*.

[Biological Activity or Inhibitors]

Cosmosiin and rhoifolin from red wendun leaves may be beneficial for diabetic complications through their enhanced adiponectin secretion, tyrosine phosphorylation of insulin receptor- β and GLUT4 translocation.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[2]

Mobile phase: Methanol-0.2% Phosphoric acid = 45:55;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 350 nm.

[Storage]

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

[References]

[1] Rao Y K, Lee M J, Chen K, *et al. Evid.-Based. Compl. Alt. , 2011, 2011(1):1-9.*

[2] Chen Z X, Shu M, Zhu X, *et al. Chinese Pharmaceutical Affairs, 2011, 25(6):547-9.*

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