

Robinetin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Robinetin

Catalog No.: CFN98780

Cas No.: 490-31-3

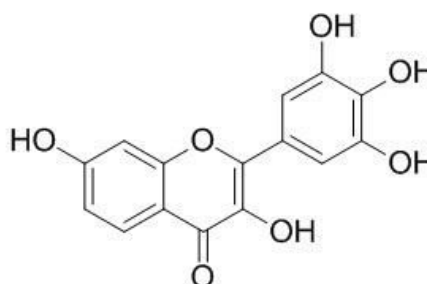
Purity: > 98%

M.F: C₁₅H₁₀O₇

M.W: 302.2

Physical Description: Yellow powder

Synonyms: Norkanugin; 3,7-Dihydroxy-2-(3,4,5-trihydroxyphenyl)-4H-1-benzopyran-4-one; 3,3',4',5',7-Pentahydroxyflavone; 3',4',5',7-Tetrahydroxyflavonol.



[Intended Use]

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

[Source]

The leaves of *Robinia pseudacacia*.

[Biological Activity or Inhibitors]

Robinetin and apigenin have anti-mutagenesis and anti-promotion, the potential of apigenin and robinetin as inhibitors of the initiation and promotion phases of carcinogenesis merits further study.^[1]

Binding of the bioflavonoid robinetin with model membranes and hemoglobin has inhibition of lipid peroxidation and protein glycosylation.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.001M Phosphoric acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Birt D F, Walker B, Tibbels M G, *et al. Carcinogenesis*, 1986, 7(6):959-63.

[2] Chaudhuri S, Pahari B, Sengupta B, *et al. J. Photoch. Photobiol. B*, 2010, 98(1):12-9.

[3] Dünisch O, Dünisch O. *Floresta E Ambiente*, 2015, 22(3):400-7.

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