

Corylin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Corylin

Catalog No.: CFN98902

Cas No.: 53947-92-5

Purity: > 98%

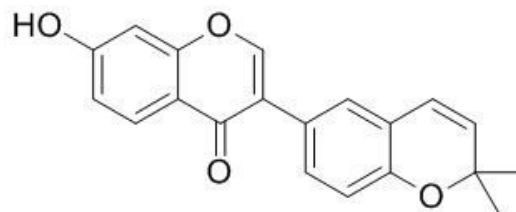
M.F: C₂₀H₁₆O₄

M.W: 320.3

Physical Description: Powder

Synonyms: 7-Hydroxy-2',2'-dimethyl-2'H,4H-3,6'-bichromen-4-one;

3-(2,2-Dimethyl-2H-1-benzopyran-6-yl)-7-hydroxy-4H-1-benzopyran-4-one.



[Intended Use]

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

[Source]

The fruits of *Psoraela corylifolia*.

[Biological Activity or Inhibitors]

Corylin is an antioxidant from the methanol extract of *Psoralea corylifolia* L.^[1]

Corylin might stimulate bone formation or have potential activity against osteoporosis.^[2]

Psoralea corylifolia L. (PCE) has effects on the LPS-induced EMT were mediated by the inactivation of the NF- κ B-SNAIL signaling pathway, PCE suppresses cancer cell invasion and migration by inhibiting EMT; therefore, PCE is a potentially effective dietary chemopreventive agent for malignant tumors since it inhibits metastasis.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Methanol - 20 mM Ammonium acetate buffer (pH 4.0) =67:33;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 240 nm.

[Storage]

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

[References]

[1] Chen R Z, Yang S M, Liu Z Q, *et al. J. Mol .Sci.*, 2014, 30(2):142-6.

[2] Hwang S B, Gupta P, Cheah S C. *US 8153167 B2[P]*. 2012.

[3] Jung B, Jang EH, Hong D, *et al.Oncol. Rep.*,2015, 34(4):2040-6.

[4] Lin R, Wang D, Xiong Z, *et al. China Journal of Chinese Materia Medica*, 2002, 27(27):669-71.

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