

Bavachromene Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Bavachromene

Catalog No.: CFN92219

Cas No.: 41743-38-8

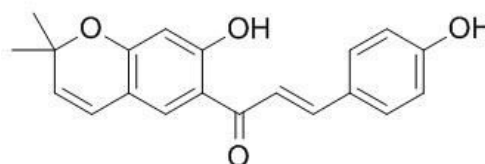
Purity: > 95%

M.F: C₂₀H₁₈O₄

M.W: 322.4

Physical Description: Yellow powder

Synonyms: (2E)-1-(7-Hydroxy-2,2-dimethyl-2H-1-benzopyran-6-yl)-3-(4-hydroxyphenyl)-2-propene-1-one; (E)-1-(7-Hydroxy-2,2-dimethyl-2H-1-benzopyran-6-yl)-3-(4-hydroxyphenyl)-2-propen-1-one; Psorachromene.



[Intended Use]

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

[Source]

The seeds of *Psoralea corylifolia* L.

[Biological Activity or Inhibitors]

Bavachromene, isolated from the seeds extract of *Psoralea corylifolia* L. (Fabaceae), exhibits a significant inhibitory effect on baculovirus-expressed BACE-1 in vitro. [1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 0.1% Acetic acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 310 nm.

[Storage]

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

[References]

[1] Choi Y H, Yon G H, Hong K S, *et al. Planta Med.*, 2008, 74(11):1405-8.

[2] Qiao C, Han Q, Song J, *et al. J. Sep. Sci.*, 2007, 30(6):813-8.

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