

Eupatorin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Eupatorin

Catalog No.: CFN97418

Cas No.: 855-96-9

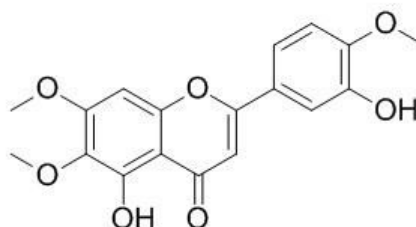
Purity: > 98%

M.F: C₁₈H₁₆O₇

M.W: 344.32

Physical Description: Yellow powder

Synonyms: 5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-6,7-dimethoxy-4H-1-benzopyran-4-one; 5-Hydroxy-2-(3-hydroxy-4-methoxy-phenyl)-6,7-dimethoxy-chromen-4-one; 6-Hydroxyluteolin 4',6,7-trimethyl ether.



[Intended Use]

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

[Source]

The herbs of *Eupatorium semiserratum*.

[Biological Activity or Inhibitors]

Eupatorin, an active constituent of chloroform extract of *Orthosiphon stamineus* leaves, has antiproliferative and antiangiogenic effects, it emerges as a promising agent in anticancer research.^[1]

Eupatorin has antiproliferative and cytostatic effects on MDA-MB-468 human breast cancer cells due to CYP1-mediated metabolism.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- Isopropyl alcohol- 20mM Phosphate buffer (NaH_2PO_4 , pH 3.5)=30:15:55 ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 340 nm.

[Storage]

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

[References]

[1] Dolečková I, Rárová L, Grúz J, *et al. Fitoterapia*, 2012, 83(6):1000-7.

[2] Androutsopoulos V, Arroo R R, Hall J F, *et al. Breast Cancer Res.*, 2008, 10(3):1-12.

[3] Mun Fei Yam, Elsnoussi Ali Hussin Mohamed, Lee Fung Ang, *et al. Journal of Acupuncture & Meridian Studies*, 2012, 5(4):176-82.

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