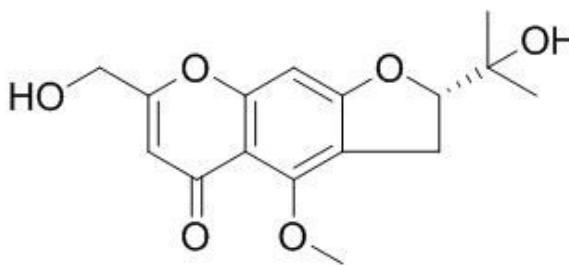


Cimifugin Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Cimifugin**Catalog No.:** CFN98612**Cas No.:** 37921-38-3**Purity:** > 98%**M.F:** C₁₆H₁₈O₆**M.W:** 306.3**Physical Description:** Powder

Synonyms: (2S)-7-(Hydroxymethyl)-2-(2-hydroxypropan-2-yl)-4-methoxy-2,3-dihydrofuro[3,2-g]chromen-5-one; (S)-2,3-Dihydro-7-(hydroxymethyl)-2-(1-hydroxy-1-methylethyl)-4-methoxy-5H-furo[3,2-g][1]benzopyran-5-one.

**[Intended Use]**

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Aromatics;
8. Others.

[Source]

The root of *Saposhnikovia divaricata* (Turcz.) Schischk.

[Biological Activity or Inhibitors]

Cimifugin, isolated from *Peucedanum schottii*, displays low to moderate inhibition towards AChE and BChE (3.12 and 21.63%, respectively) at 200 ug mL⁻¹.^[1]

Cimifugin evidently inhibits FITC-induced type 2 allergic contact dermatitis, and its mechanism might be related to regulating the balance of Th1 /Th2 by inhibiting type 2 cytokines.^[2]

[Solvent]

Chloroform, Dichloromethane, DMSO, Acetone.

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O=60:40;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 250 nm.

[Storage]

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

[References]

[1] Koziol E, Senol F S, Orhan I E, *et al. Nat.Prod. Communicat.*, 2016, 6.

[2] Jiang X, Wang H, Gui L, *et al. Pharmacol. Clin. Chinese Mat. Med.*, 2014, 30(2):28-30.

[3] Wang X, Wang Z, Sun H, *et al. Arzneimittel-Forschung*, 2008, 58(9):445-50.

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