[ Product Information ]

Name: Cimifugin

Catalog No.: CFN98612

Cas No.: 37921-38-3

Purity: > 98%

M.F: C_{16}H_{18}O_{6}

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.
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 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 wavelength of determination: 250 nm.

**Storage**

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

**References**

[ Contact ]

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