



Prim-O-glucosylcimifugin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Prim-O-glucosylcimifugin

Catalog No.: CFN98104

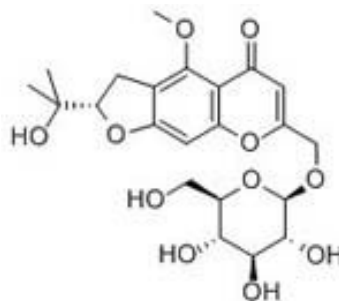
Cas No.: 80681-45-4

Purity: > 98%

M.F: C₂₂H₂₈O₁₁

M.W: 468.45

Physical Description: Cryst.



Synonyms: 5H-Furo[3,2-g][1]benzopyran-5-one, 7-[(β-D-;glucopyranosyloxy)methyl]-2,3-dihydro-2-(1-hydroxy-1-methylethyl)-4-methoxy-, (2S)-.

[Intended Use]

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

[Source]

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

[Biological Activity or Inhibitors]

Prim-O-glucosylcimifugin is main medicinal component of the traditional Chinese drug *Saposhnikovia divaricata*, can increase concentrations of astragaloside IV and atractylenolide I in the serum, when they were given together.^[1]

Prim-O-glucosylcimifugin has inhibition on NO production and DPPH free radical.^[2]

Prim-O-glucosylcimifugin and 4'-O- β -D-glucosyl-5-O-methylvisammin-ol can inhibit the proliferation of smooth muscle cell stimulated by TNF- α and increase the proportion of G0/G1 phase.^[3]

[Solvent]

Pyridine, DMSO, Ethanol, Methanol.

[HPLC Method]^[4]

Mobile phase: Methanol-H₂O-Triethylamine=37:63:0.1;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Song J, Zheng S R, Jin Y, *et al. Planta Med.*, 2014, 80(3):187-92.

[2] Bo Z, Xin B Y, Xiu W Y, *et al. J. Asian Nat. Prod. Res.*, 2012, 14(9):886-96.

[3]Wang L, Liang R X, *et al. China J. Chinese Materia Medica*, 2008, 33(17):2157-60.

[4] Pin R, Fang B, Li P, *et al. Guiding J. Trad. Chinese Med .Pharm.*, 2010, 16(11):84-6.

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