

Columbianetin acetate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Columbianetin acetate

Catalog No.: CFN90510

Cas No.: 23180-65-6

Purity: > 98%

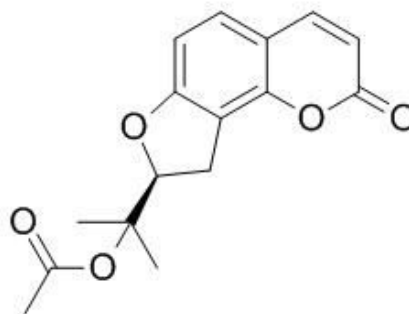
M.F: C₁₆H₁₆O₅

M.W: 288.30

Physical Description: Powder

Synonyms:

Acetic acid 2-[(8S)-2-oxo-8,9-dihydrofuro[2,3-h][1]benzopyran-8-yl]propan-2-yl ester.



[Intended Use]

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

[Source]

The roots of *Angelica biserrata*.

[Biological Activity or Inhibitors]

Columbianetin acetate can be absorbed in whole intestinal sections and colon is the best absorption region of whole rat intestines. The increase of columbianetin acetate concentration has no effect on absorption kinetics, the absorption of columbianetin acetate is a passive diffusion process, not pH-dependent.^[1]

Columbianetin may be helpful in regulating mast cell-mediated allergic inflammatory responses.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -Acetonitrile -0.025M Phosphoric acid =32:20:48;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 320 nm.

[Storage]

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

[References]

[1] Wu Y N, Luan L B. *Chinese Pharmaceutical Journal*, 2008,43(22):1719-22.

[2] Jeong H J, Na H J, Kim S J, *et al. Biol. Pharm. Bull.*, 2009, 32(6):1027-31.

[3] Cai Q, Sha M, Yang S. *Innovation and training in the agribusiness complex, CEDEFOP, European Centre for the Development of Vocational Training*. 1999:1580-4.

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