



Oxypeucedanin hydrate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Oxypeucedanin hydrate

Catalog No.: CFN90557

Cas No.: 2643-85-8

Purity: > 98%

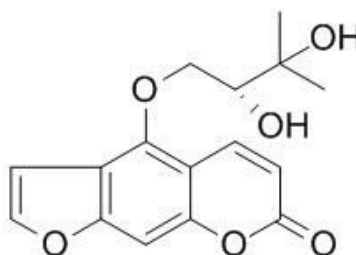
M.F: C₁₆H₁₆O₆

M.W: 304.29

Physical Description: Cryst.

Synonyms: Aviprin; Hydroxypeucedanin hydrate; Prangol; Prangolarin hydrate;

4-(2,3-Dihydroxy-3-methylbutoxy)-7H-furo[3,2-g][1]benzopyran-7-one.



[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 roots of *Angelica dahurica*.

[Biological Activity or Inhibitors]

Oxypeucedanin hydrate monoacetate, isolated from *Angelica dahurica*, it induces apoptosis in Caco-2 colon carcinoma cells through the mediation of PI3K-signalling pathway and inhibition of cancer cell migration.^[1]

Oxypeucedanin hydrate acetonide shows a potent cytotoxic activity with the IC₅₀ values of 8.6 to 14.6 µg/mL against L1210, HL-60, K562, and B16F10 tumor cell lines. ^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- H₂O=20:80 ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 260 nm.

[Storage]

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

[References]

[1] Liu Y, Peng T S, Hu X D, *et al. Bangl. J. Pharmacol.*, 2016,11(2):402.

[2] Thanh P N, Jin W Y, Song G Y, *et al. Arch. Pharm. Res.*, 2004, 27(12):1211-5.

[3] Ishihara K, Fukutake M, Asano T, *et al. J. Chromatogr. B* , 2001, 753(2):309-14.

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