

7,4'-Di-O-methylapigenin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 7,4'-Di-O-methylapigenin

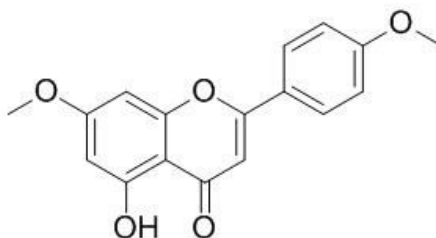
Catalog No.: CFN98819

Cas No.: 5128-44-9

Purity: > 95%

M.F: C₁₇H₁₄O₅

M.W: 298.3



Physical Description: Yellow powder

Synonyms: 5-Hydroxy-7-methoxy-2-(4-methoxyphenyl)-4-benzopyrone;

Apigenin 7,4'-dimethyl ether ; Apigenin dimethylether.

[Intended Use]

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

[Source]

The herbs of *Aquilaria sinensis*.

[Biological Activity or Inhibitors]

Apigenin 7, 4'-dimethyl ether (7,4'-Di-O-methylapigenin) can inhibit α -glucosidase and α -amylase enzymes and enhance 2-NBDG uptake in L6 cells, it has hypolipidemic effect on mouse pre-adipocyte (3T3L1) cell lines.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: t-Butanol-Methanol-20mM Potassium dihydrogen buffer=11:37:52 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 360 nm.

[Storage]

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

[References]

[1] Krishna M S, Joy B, Sundaresan A. *J. Food Sci. Technol.*, 2015, 52(6):3561-70.

[2] Nikolova M, Gevrenova R. *Int. J. Bot.*, 2006, 2(1):587-92.

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