

5-Hydroxy-7,8-dimethoxyflavanone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 5-Hydroxy-7,8-dimethoxyflavanone

Catalog No.: CFN99291

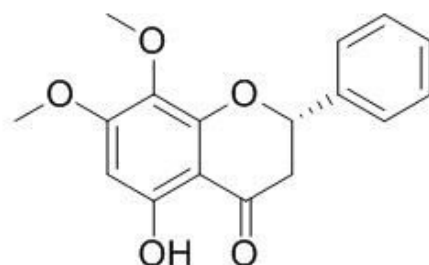
Cas No.: 113981-49-0

Purity: > 95%

M.F: C₁₇H₁₆O₅

M.W: 300.3

Physical Description: Powder



Synonyms: 4H-1-Benzopyran-4-one, 2,3-dihydro-5-hydroxy-7,8-dimethoxy-2-phenyl-, (S)-.

[Intended Use]

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

[Source]

The herbs of *Andrographis paniculata*.

[Biological Activity or Inhibitors]

5-Hydroxy-7,8-dimethoxyflavanone shows anti-inflammatory activity, it can significantly

decrease TNF-alpha, IL-6, macrophage inflammatory protein-2 (MIP-2), and nitric oxide (NO) secretions from LPS/IFN-gamma stimulated RAW 264.7 cells.^[1]

(2S)-5-Hydroxy-7,8-dimethoxyflavanone is weakly active against human nasopharyngeal carcinoma cell line (KB) with IC50 value at 12.86 ug/ml.^[2]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: n-Hexane-CH₂Cl₂-MeOH, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 229 nm.

[Storage]

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

[References]

[1] Chao W W, Kuo Y H, Lin B F. *J. Agric. Food Chem.*, 2010 Feb 24; 58(4):2505-12.

[2] Ubonopas L, Wongsinkongman P, Chuakul W, *et al. Mahidol University Journal of Pharmaceutical Sciences*, 2014, 41(3):13-22.

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