[ Product Information ]

Name: 5-Hydroxy-7,8-dimethoxyflavanone
Catalog No.: CFN99291
Cas No.: 113981-49-0
Purity: > 95%
M.F: C_{17}H_{16}O_{5}
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-CH\_2Cl\_2-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** ]


[ **Contact** ]

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