[Product Information]

Name: Skullcapflavone I
Catalog No.: CFN98643
Cas No.: 41060-16-6
Purity: > 95%
M.F: C_{17}H_{14}O_{6}
M.W: 314.29

Physical Description: Yellow powder

Synonyms: 5,2'-Dihydroxy-7,8-dimethoxyflavone; 5-Hydroxy-2-(2-hydroxyphenyl)-7,8-dimethoxy-4H-1-benzopyran-4-one.

[Intended Use]

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

[Source]

The roots of *Scutellaria baicalensis* Georgi.

[Biological Activity or Inhibitors]
Skullcapflavone I from *S. baicalensis* can selectively induce apoptosis in T-hepatic stellate cells (HSCs)/Cl-6 cells via caspase-3 and caspase-9 activation.[1]

Skullcapflavone-I can significantly inhibit LPS stimulated NO and PGE(2) release in J774A.1 macrophages and can inhibit LPS induced IL-6 production in a concentration dependent manner; skullcapflavone-I shows marked inhibitory effect on LTB(4) production(HL-60 cells); suggests that skullcapflavone-I has anti-inflammatory and anti-allergic potential.[2]

[ **Solvent** ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ **HPLC Method** ][3]
Mobile phase: Methanol -H2O=90:10, mixed with 0.05% phosphoric acid (adjusted by triethylamine to pH 3);
Flow rate: 2.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 270 nm.

[ **Storage** ]
2-8°C, Protected from air and light, refrigerate or freeze.

[ **References** ]

[ **Contact** ]
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