[ Product Information ]

Name: Sophoraflavanone G
Catalog No.: CFN92005
Cas No.: 97938-30-2
Purity: > 95%
M.F: C_{25}H_{28}O_{6}
M.W: 424.49

Physical Description: Powder

Synonyms:
Vexibinol;(S)-2,3-Dihydro-5,7-dihydroxy-2-(2,4-dihydroxyphenyl)-6-[(R)-5-methyl-2-(1-methylhexyl)-4-hexenyl]-4H-1-benzopyran-4-one;
4H-1-Benzopyran-4-one,2-(2,4-dihydroxyphenyl)-2,3-dihydro-5,7-dihydroxy-8-[(2R)-5-methyl-2-(1-methylethenyl)-4-hexen-1-yl]-,(2S)-.

[ Intended Use ]

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

[ Source ]
The roots of *Sophora flavescens* Ait.

**[Biological Activity or Inhibitors]**

Sophoraflavanone G, isolated from *Sophora flavescens*, has antibacterial activity, sophoraflavanone G alone or in combination with antibiotics might prove useful in the control and treatment of methicillin-resistant *Staphylococcus aureus* (MRSA) infections.\[^1\]

Sophoraflavanone G has anti-inflammatory activity, is a potent inhibitor against the eicosanoid generating enzymes, it inhibits cyclooxygenase-2 and in vivo inflammatory response.\[^2\]

Sophoraflavanone G as a novel small-molecule inhibitor of signal transducer and activator of transcription (STAT) signaling in human cancer cells that may have therapeutic potential for cancers caused by persistently activated STAT proteins. \[^3\]

**[Solvent]**

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

**[HPLC Method]**\[^4\]

Mobile phase: Acetonitrile - H2O, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 295 nm.

**[Storage]**

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

**[References]**


[Contact]

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