[Product Information]

Name: 8-Prenylkaempferol
Catalog No.: CFN92346
Cas No.: 28610-31-3
Purity: > 95%
M.F: C_{20}H_{18}O_6
M.W: 354.4

Physical Description: Yellow powder

Synonyms: 4H-1-Benzopyran-4-one, 3,5,7-trihydroxy-2-(4-hydroxyphenyl)-8-(3-methyl-2-buten-1-yl)-; Flavone, 3,4',5,7-tetrahydroxy-8-(3-methyl-2-butenyl)- (8CI).

[Intended Use]

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

[Source]

The roots of Sophora flavescens.

[Biological Activity or Inhibitors]
8-Prenylkaempferol can accelerate osteoblast maturation through bone morphogenetic protein-2/p38 pathway to activate Runx2 transcription, it may be a promising agent for inducing osteogenesis.[1]

8-Prenylkaempferol has anti-inflammatory properties, it is an effective agent for attenuating pro-inflammatory NO induction.[2]

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

[ HPLC Method ][3]
Mobile phase: Acetonitrile-0.05%Phosphoric acid in water, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 35 ℃;
The wavelength of determination: 370 nm.

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

[ References ]

[ Contact ]
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