[Product Information]

Name: Chrysosplenetin
Catalog No.: CFN97063
Cas No.: 603-56-5
Purity: > 95%
M.F: C₁₉H₁₈O₈
M.W: 374.34
Physical Description: Yellow powder
Synonyms: 3,6,7,3'-Tetramethylquercetagetin; 5-Hydroxy-2-(4-hydroxy-3-methoxyphenyl)-3,6,7-trimethoxy-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 herbs of Laggera pterodonta.

[Biological Activity or Inhibitors]
Chrysosplenetin and penduletin have strong activity in vitro against EV71 with low cytotoxicity.[1]

Co-administration of artemisinin(ART) with chrysosplenetin(CHR) in ratio of 1:2 achieved a synergic anti-malarial effect partly because of the noncompetitive or uncompetitive inhibition of CHR of drug-metabolism enzymes, especially CYP3A which is closely related to the auto-induction of ART.[2]

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

[ HPLC Method ][3]
Mobile phase: Methanol- 0.04% Formic acid in water, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 35 °C;
The wavelength of determination: 254 nm.

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

[ References ]

[ Contact ]
Address: S5-3 Building, No. 111, Dongfeng Rd., Wuhan Economic and Technological Development Zone, Wuhan, Hubei 430056, China
Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com