[Product Information]

Name: Chrysosplenol D
Catalog No.: CFN99622
Cas No.: 14965-20-9
Purity: > 95%
M.F: C_{18}H_{16}O_{8}
M.W: 360.3

Physical Description: Yellow powder

Synonyms: 2-(3,4-Dihydroxyphenyl)-5-hydroxy-3,6,7-trimethoxy-4H-1-benzopyran-4-one; 3,6,7-Trimethoxy-3',4',5-trihydroxyflavone; 7-Methylaxillarin; Quercetagetin 3,6,7-triMethyl ether.

[Intended Use]

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

[Source]

The herbs of Artemisia annua L.
**Biological Activity or Inhibitors**

Chrysosplenol D can suppress lipopolysaccharide (LPS)-induced release of IL-1 beta, IL-6 and MCP-1, inhibit cell migration, and reduce LPS-induced I&kappa;B and c-JUN phosphorylation in Raw264.7 cells, thus, it can inhibit inflammation in vitro and in vivo.\[^1^\]

Chrysosplenol D, artemetin, and chrysoplenetin have IC50 values at 2.4 - 6.5 × 10(-5)M against *P. falciparum* in vitro.\[^2^\]

Chrysosplenol D exerts its anti-proliferative effect on tsFT210 cells through inhibiting cell cycle and inducing apoptosis, it may as a new cell cycle inhibitor. \[^3^\]

Chrysosplenol-D displays antibacterial and antifungal activities.\[^4^\]

**Solvent**

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

**HPLC Method**\[^5^\]

Mobile phase: Acetonitrile-H2O,gradient elution ;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 345 nm.

**Storage**

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

**References**


[ Contact ]

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