

## Chryso splenetin Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Chryso splenetin

**Catalog No.:** CFN97063

**Cas No.:** 603-56-5

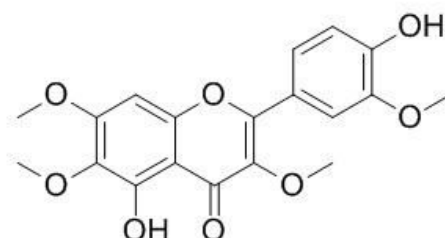
**Purity:** > 95%

**M.F:** C<sub>19</sub>H<sub>18</sub>O<sub>8</sub>

**M.W:** 374.34

**Physical Description:** Yellow powder

**Synonyms:** 3,6,7,3'-Tetramethylquercetagenin; 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 ]

Chrysofenetin and penduletin have strong activity in vitro against EV71 with low cytotoxicity.<sup>[1]</sup>

Co-administration of artemisinin(ART) with chrysofenetin(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.<sup>[2]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Methanol- 0.04% Formic acid in water,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 254 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Zhu Q C, Wang Y, Liu Y P, *et al. Eur. J. Pharm.Sci., 2011, 44(3):392-8.*

[2] Wei S, Ji H, Yang B, *et al. Malaria J., 2015, 14(1):1-13.*

[3] Numonov S R, Qureshi M N, Aisa H A. *Int. J.Anal. Chem., 2014, 2015(4):503139.*

### **[ Contact ]**

**Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

China

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)