

## Dihydrodaidzein Datasheet

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

### [ Product Information ]

**Name:** Dihydrodaidzein

**Catalog No.:** CFN90686

**Cas No.:** 17238-05-0

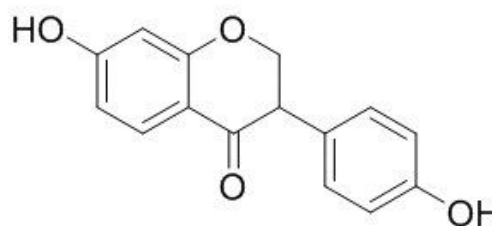
**Purity:** > 98%

**M.F:** C<sub>15</sub>H<sub>12</sub>O<sub>4</sub>

**M.W:** 256.26

**Physical Description:** Powder

**Synonyms:** 7-Hydroxy-3-(4-hydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-4-one.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others.

### [ Source ]

The root of *Derris elliptica*.

### [ Biological Activity or Inhibitors ]

Dihydrodaidzein, daidzein, and equol have inhibitory effects on the 5-lipoxygenase activity,

they show significantly inhibition of myeloperoxidase activity, and protect against free radical peroxidation of arachidonic acid.<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: 10% Acetonitrile in 0.1% acetic acid- 90% Acetonitrile in 0.1% acetic acid, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Tsen S Y, Tan X Y, Tan Y M, *et al. J.Med. Food*, 2016, 19(6):543-8.

[2] Hur H G, Beger R D, Heinze T M, *et al. Arch. Microbiol.*, 2002, 178(1):8-12.

## **[ Contact ]**

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