

## 8-Prenyldaidzein Datasheet

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

### [ Product Information ]

**Name:** 8-Prenyldaidzein

**Catalog No.:** CFN97827

**Cas No.:** 135384-00-8

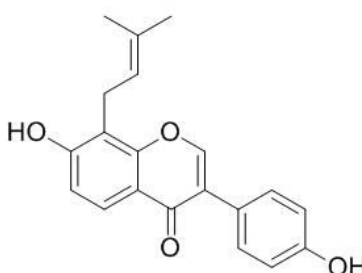
**Purity:** > 95%

**M.F:** C<sub>20</sub>H<sub>18</sub>O<sub>4</sub>

**M.W:** 322.35

**Physical Description:** Powder

**Synonyms:** 3-(4-Hydroxyphenyl)-7-hydroxy-8-(3-methyl-2-butenyl)-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 seeds of *Psoralea corylifolia* L.

### [ Biological Activity or Inhibitors ]

8-Prenyl-daidsin has cytotoxic properties against P-388 cells, its IC<sub>50</sub> values 5.82 ug/mL, it also exhibits very high antioxidant activity against DPPH radical scavenging.<sup>[1]</sup>

## **[ Solvent ]**

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

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

HPLC-MS:

Mobile phase: 0.01% Formic acid- Acetonitrile, gradient elution ;

Flow rate: 0.3 ml/min;

Column temperature: Room Temperature;

Pressure of drying gas: 20psi ;

Temperature of drying gas: 350°C;

Pressure of nebulizing gas: 40psi;

Needle voltage : 5000V;

Capillary voltage: 80V;

Spray shielded voltage: 600V.

## **[ Storage ]**

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

## **[ References ]**

[1] Tjahjandarie T S, Tanjung M. *Der Pharma Chemica*, 2015, 7(1):206-11.

[2] Cheng J, Yuan C, Graham T L. *Phytochemistry*, 2011, 72(9):875-81.

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