

## Steppogenin Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Steppogenin

**Catalog No.:** CFN98949

**Cas No.:** 56486-94-3

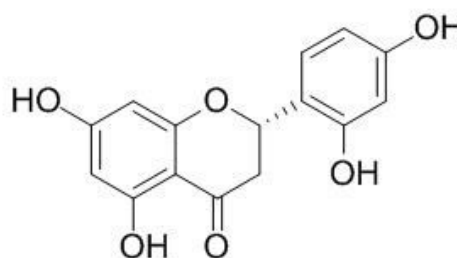
**Purity:** > 95%

**M.F:** C<sub>15</sub>H<sub>12</sub>O<sub>6</sub>

**M.W:** 288.3

**Physical Description:** Powder

**Synonyms:** 2',4',5,7-Tetrahydroxyflavanone.



### [ Intended Use ]

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

### [ Source ]

The stems of *Cudrania tricuspidata*.

### [ Biological Activity or Inhibitors ]

Steppogenin exhibits significant tyrosinase inhibition activities.<sup>[1]</sup>

Steppogenin shows strong mushroom tyrosinase inhibitory activity with IC(50) values lower than 50 microM, more potent than kojic acid (IC(50) = 71.6 microM), a well-known tyrosinase inhibitor.<sup>[2]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]**

Mobile phase: Methanol-H<sub>2</sub>O gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Zheng Z P, Tan H Y, Chen J, *et al. Fitoterapia*, 2013, 84(1):242-7.

[2] Zheng Z P, Cheng K W, To J T, *et al. Mol. Nutr. Food Res.*, 2008, 52(12):1530-8.

### **[ Contact ]**

**Address:**

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

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

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

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

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

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