[ **Product Information** ]

**Name:** Steppogenin  
**Catalog No.:** CFN98949  
**Cas No.:** 56486-94-3  
**Purity:** > 95%  
**M.F:** C_{15}H_{12}O_{6}  
**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.[1]
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.[2]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ]
Mobile phase: Methanol-H2O 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 ]

[ Contact ]
Address:
S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com