**[Product Information]**

**Name:** Genistin  
**Catalog No.:** CFN90250  
**Cas No.:** 529-59-9  
**Purity:** > 98%  
**M.F:** C21H20O10  
**M.W:** 432.38  
**Physical Description:** Powder  
**Synonyms:** 4′,5,7-Trihydroxyisoflavone 7-glucoside; Genistein 7-glucoside; Genistoside; Genistein-7-O-β-D-glucopyranoside; Genistein glucoside; Genisteol 7-monoglucoside.

**[Intended Use]**

1. Reference standards;  
2. Pharmacological research;  
3. Food research;  
4. Cosmetic research;  
5. Synthetic precursor compounds;  
6. Care and daily chemicals;  
7. Intermediates & Fine Chemicals;  
8. Ingredient in supplements;  
[Source]
The herb of *Trifolium pratense* L.

[ Biological Activity or Inhibitors]
Genistin and daidzin are among the major isoflavonoids in soybeans and soy products, genistin has antioxidant activity and anticarcinogenic properties, can inhibit UV light-induced plasmid DNA damage and cell growth in human melanoma cells.[1]
Genistein and genistin inhibit cell proliferation by disrupting the cell cycle, which is strongly associated with the arrest induction of either G1 or G2/M phase and may induce apoptosis, speculates that both genistein and genistin may prove useful as anticancer drugs and that the combination of genistein and genistin may have further anticancer activity.[2]
Dietary genistin can stimulate growth of estrogen-dependent breast cancer tumors similar to that observed with genistein.[3]
Genistin and daidzin have preventive effects on bone loss in ovariectomized rats fed a calcium-deficient diet.[4]

[ Solvent ]
Pyridine, DMSO, Ethanol, Methanol.

[ HPLC Method ][5]
Mobile phase: Methanol-2% Aqueous acetic acid =43:51;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 270 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