[**Product Information**]

**Name:** 2'-Hydroxygenistein  
**Catalog No.:** CFN99257  
**Cas No.:** 1156-78-1  
**Purity:** > 95%  
**M.F:** C_{15}H_{10}O_{6}  
**M.W:** 286.24  
**Physical Description:** Yellow powder  
**Synonyms:** 5,7,2',4'-Tetranydroxyisoflavone; 3-(2,4-Dihydroxyphenyl)-5,7-dihydroxy-4H-chromen-4-one.

[**Intended Use**]

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

[**Source**]

The roots of *Lupinus mutabilis*.

[**Biological Activity or Inhibitors**]
2'-Hydroxygenistein has antifungal activity, dimerization of it causes a remarkable increase of antifungal activity.[1]

2'-Hydroxygenistein exhibits greater antiproliferative effects in MCF-7 human breast cancer cells than does genistein, suggest that 2'-hydroxylation of genistein can enhance its antioxidant activity and cell cytotoxicity in MCF-7 human breast cancer cells.[2]

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

[ HPLC Method ][3]
Mobile phase: Acetonitrile- Acetic acid in water (pH 3.3), gradient elution ;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 260 nm.

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

[ References ]

[ Contact ]
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