

## Isolicoflavonol Datasheet

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

### [ Product Information ]

**Name:** Isolicoflavonol

**Catalog No.:** CFN97594

**Cas No.:** 94805-83-1

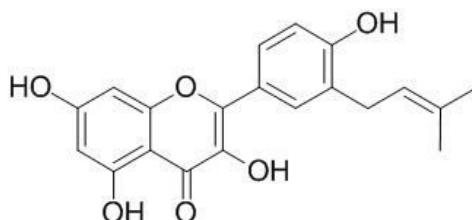
**Purity:** > 95%

**M.F:** C<sub>20</sub>H<sub>18</sub>O<sub>6</sub>

**M.W:** 354.36

**Physical Description:** Yellow powder

**Synonyms:**



### [ Intended Use ]

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

### [ Source ]

The herbs of *Broussonetia kazinoki* Sieb. et Zucc.

### [ Biological Activity or Inhibitors ]

Isolicoflavonol derived from *liquorice* as a traditional Chinese medicinal herb has the

function of inhibiting the generation of new vessels and the obvious function of inhibiting the generation of endothelial growth factors of tumor vessels, can achieve the purpose of resisting tumors by inhibiting the generation of new tumor vessels, and is a natural-source active component compound with development values for an antitumor medicament .<sup>[1]</sup>

Isolicoflavonol possesses anti-*Helicobacter pylori* activity, it may be useful chemopreventive agents for peptic ulcer or gastric cancer in *H. pylori*-infected individuals.<sup>[2]</sup>

Isolicoflavonol, broussoflavonol F and sanggenol L exhibit moderate cytotoxic activities against five human cancer cells with the IC<sub>50</sub> value of 0.41-7.2 ug/mL. <sup>[3]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]<sup>[4]</sup>**

Mobile phase: Methanol- 0.5% Acetic acid in water,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] He Q X, Hou H R, Liu K C, *et al.* *CN102000055 A[P]*. 2011.

[2] Fukai T, Ai M, Kaitou K, *et al.* *Life Sci.*, 2002, 71(12):1449-63.

[3] Ni G, Zhang Q J, Zheng Z F, *et al.* *J. Asian Nat. Prod. Res.*, 2010, 12(6):505-15.

[4] Han L, Yuan Y, Zhao L, *et al.* *J. Sep. Sci.*, 2012, 35(9):1167-72.

## **[ Contact ]**

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