

## (-)-Epicatechin gallate Datasheet

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

### [ Product Information ]

**Name:** (-)-Epicatechin gallate

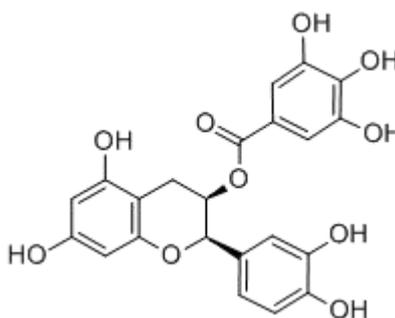
**Catalog No.:** CFN99570

**Cas No.:** 1257-08-5

**Purity:** >=98%

**M.F:** C<sub>22</sub>H<sub>18</sub>O<sub>10</sub>

**M.W:** 154.25



**Physical Description:** White powder

**Synonyms:** (2R,3R)-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-3,4-dihydro-2H-chromen-3-yl 3,4,5-trihydroxybenzoate.

### [ Intended Use ]

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

### [ Source ]

The wood of *Acacia catechu* (L.F.) Willd.

### [ Biological Activity or Inhibitors ]

(-)-Epicatechin gallate has antioxidative effect against lipid peroxidation when phospholipid bilayers are exposed to aqueous oxygen radicals.<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Methanol - 0.1%Phosphoric acid H<sub>2</sub>O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Terao J, Piskula M, Yao Q. *Arch. Biochem. Biophys.*, 1994, 308(1):278-84.

[2] Myounggun C, Minseuk L. *Korean J. Crop Sci.*, 2008,53(2):224-32.

## **[ 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)