



# Kaempferol 3-gentiobioside Datasheet

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

## [ Product Information ]

**Name:** Kaempferol 3-gentiobioside

**Catalog No.:** CFN92384

**Cas No.:** 22149-35-5

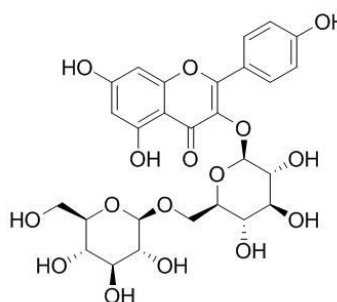
**Purity:** > 98%

**M.F:** C<sub>27</sub>H<sub>30</sub>O<sub>16</sub>

**M.W:** 610.5

**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 barks of *Cinnamomum cassia*.

## [ Biological Activity or Inhibitors ]

Kaempferol 3-O-gentiobioside (K3G), isolated from *C. alata* as an abundant flavonoid glycoside, K3G has antiinflammatory activity, shows weak inhibitory effects on Concanavalin A-induced histamine release, 5-lipoxygenase, and COX-1.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, DMSO, Methanol, Ethanol, Hot water, etc.

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

Mobile phase: Methanol-0.4% Phosphoric acid=48: 52;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 349 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Moriyama H, Iizuka T, Nagai M, *et al. Yakugaku Zasshi*, 2003, 123(7):607-11.

[2] Peng H E, Wang G C, Li Y L, *et al. Central South Pharmacy*, 2014(1):66-9.

## **[ 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)