

## Luteollin 5-glucoside Datasheet

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

### [ Product Information ]

**Name:** Luteollin 5-glucoside

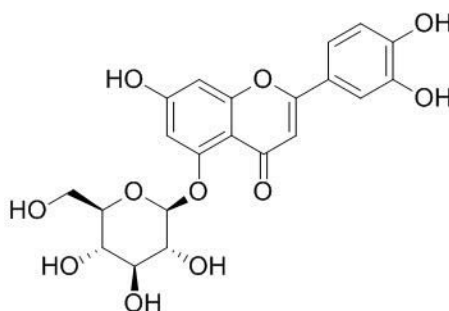
**Catalog No.:** CFN98568

**Cas No.:** 20344-46-1

**Purity:** >=98%

**M.F:** C<sub>21</sub>H<sub>20</sub>O<sub>11</sub>

**M.W:** 448.38



**Physical Description:** Yellow powder

**Synonyms:** 2-(3,4-Dihydroxyphenyl)-5-(b-D-glucopyranosyloxy)-7-hydroxy-4H-1-benzopyran-4-one; 4H-1-Benzopyran-4-one, 2-(3,4-dihydroxyphenyl)-5-(beta.-D-glucopyranosyloxy)-7-hydroxy-; Luteolin-5-O-beta-D-Glucopyranoside.

### [ Intended Use ]

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

### [ Source ]

The herbs of *Dracocephalum ruyschiana* L.

## **[ Biological Activity or Inhibitors ]**

Luteolin 5-O- $\beta$ -glucopyranoside has antioxidant activity, it can inhibit lipid peroxidation, and has DPPH radical-scavenging activity.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Methanol - 0.1% Acetic acid in water, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 350 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Özgen U, Mavi A, Terzi Z, *et al. Planta Med.*, 2011, 13(5):1-12.

[2] Sevindik HG, Ozgen U, Atila A, *et al. Chem. Pharm. Bull.*, 2015, 63(9):720-5.

## **[ Contact ]**

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