

## Diosmetin-7-O-beta-D-glucopyranoside Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Diosmetin-7-O-beta-D-glucopyranoside

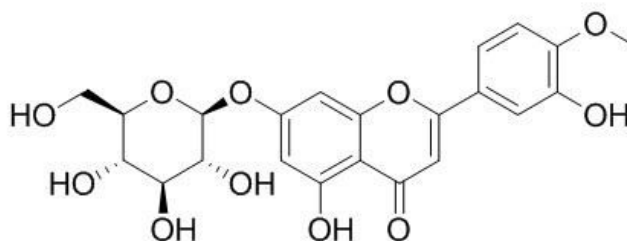
**Catalog No.:** CFN98502

**Cas No.:** 20126-59-4

**Purity:** >=98%

**M.F:** C<sub>22</sub>H<sub>22</sub>O<sub>11</sub>

**M.W:** 462.41



**Physical Description:** Yellow powder

**Synonyms:** 4H-1-Benzopyran-4-one, 7-(b-D-glucopyranosyloxy)-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-; 7-O-b-D-Glucopyranosyl-3',5-dihydroxy-4'-methoxyflavone; Diosmetin, 7-b-D-glucopyranoside (6Cl).

### [ Intended Use ]

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

### [ Source ]

The flower of *Chrysanthemum morifolium*.

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

Diosmetin-7-O-beta-D-glucopyranoside has antioxidant activity.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

HPLC-ELSD:

Mobile phase: 0.1% Formic acid in water- 0.1% Formic acid in methanol, gradient elution ;

Flow rate: 0.7 ml/min;

Column temperature: 39 °C;

Drift tube temperature: 100 °C;

Flow rate of N<sub>2</sub>: 2.0 L/min.

## **[ Storage ]**

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

## **[ References ]**

[1] Chen M, Zhao Y, Chen F, *et al. Zuckerindustrie.*, 2015, 140(10):632-9.

[2] Wang S F, Leng J, Xu Y M, *et al. J. Zhejiang Univ-Sci. B (Biomed. & Biotechnol.)*, 2013, 14(7):604-14.

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