

## 5,5'-Dimethoxylariciresinol 4-O-glucoside Datasheet

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

### [ Product Information ]

**Name:** 5,5'-Dimethoxylariciresinol 4-O-glucoside

**Catalog No.:** CFN99647

**Cas No.:** 154418-16-3

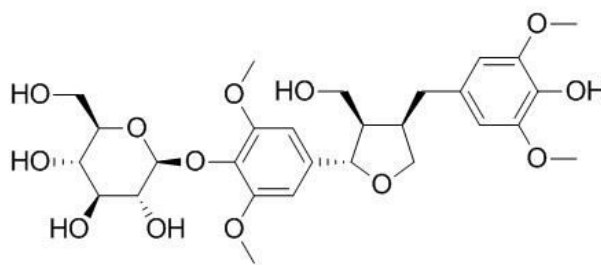
**Purity:** > 95%

**M.F:** C<sub>28</sub>H<sub>38</sub>O<sub>13</sub>

**M.W:** 582.6

**Physical Description:** Powder

**Synonyms:** 4-[(2S,3R,4R)-4-(4-Hydroxy-3,5-dimethoxybenzyl)-3-(hydroxymethyl)tetrahydro-2-furanyl]-2,6-dimethoxyphenyl β-D-glucopyranoside; 5,5'-Dimethoxylariciresinol-4'-O-beta-D-glucoside.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Lonicera maackii*.

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

5,5'-Dimethoxylariciresinol-4'-O-beta-D-glucoside is shown to effectively enhance chemosensitivity of resistant cells, which makes it may be a suitable candidate for potential multidrug resistance (MDR)-reversing agents.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Acetonitrile-H<sub>2</sub>O=14:86;

Flow rate: 1.0 ml/min;

Column temperature: 25°C;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Wang T X, Shi X Y, Cong Y, *et al. Indian J. Pharmacol.*, 2013, 45(6):597-602.

[2] Cong Y, Liu J, Guo J G, *et al. Chinese Traditional Patent Medicine*, 2011, 33(9):1560-2.

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