

## Secoxyloganin Datasheet

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

### [ Product Information ]

**Name:** Secoxyloganin

**Catalog No.:** CFN98996

**Cas No.:** 58822-47-2

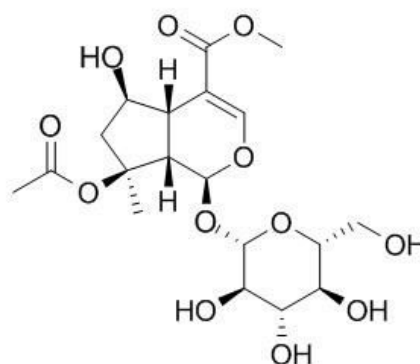
**Purity:** > 98%

**M.F:** C<sub>17</sub>H<sub>24</sub>O<sub>11</sub>

**M.W:** 404.4

**Physical Description:** Powder

**Synonyms:** [(2S,3R,4S)-3-ethenyl-2-(beta-D-glucopyranosyloxy)-5-(methoxycarbonyl)-3,4-dihydro-2H-pyran-4-yl]acetic acid.



### [ Intended Use ]

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

### [ Source ]

The vines of *Lonicera japonica*.

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

Secoxyloganin, isolated from the flower buds of *Lonicera japonica* Thunb, possesses hepato- protective effect.<sup>[1]</sup>

Secoxyloganin possesses the perfect protective effect on PRRSV infected cell and with the minimum protection concentration of 6.25  $\mu\text{g/mL}$ .<sup>[2]</sup>

Secoxyloganin has cytotoxic activity against UACC-62 cell line.<sup>[3]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, Hot water, etc.

## **[ HPLC Method ]<sup>[4]</sup>**

Mobile phase: 25%Acetonitrile in methanol-0.1% Phosphate acid H<sub>2</sub>O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 240 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Li H J , Li P. *Chemistry & Industry of Forest Products*, 2005, 25(3):29-32.

[2] Liu L, Deng Z, Yang J, *et al. Journal of Huazhong Normal University*, 2013,52(2):213.

[3] Robinson P N. *Nat. Prod .Res.*, 2013, 27(18):1677-81.

[4] Wang L L, Gong H Y. *J. Int. Phram. Res.*, 2016, 43(2): 374-7.

## **[ Contact ]**

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