

## Lobetyolinin Datasheet

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

### [ Product Information ]

**Name:** Lobetyolinin

**Catalog No.:** CFN92357

**Cas No.:** 142451-48-7

**Purity:** > 95%

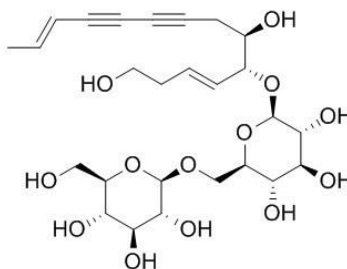
**M.F:** C<sub>26</sub>H<sub>38</sub>O<sub>13</sub>

**M.W:** 558.6

**Physical Description:** Powder

**Synonyms:** 2-Hydroxy-1-(5-hydroxy-1-penten-1-yl)-7-nonene-3,5-diyn-1-yl

6-O-beta-D-glucopyranosyl-beta-D-glucopyranoside.



### [ Intended Use ]

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

### [ Source ]

The roots of *Codonopsis pilosula*.

### [ Biological Activity or Inhibitors ]

Lobetyolin has a protective role in gastric mucosa injury, and the mechanism may be related to the increase in level of 6-K-PGF1 $\alpha$  and the inhibition of the excretion of gastric acid and EGF.<sup>[1]</sup>

### **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Acetonitrile- H<sub>2</sub>O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 267 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Song D, Wang Z T, Li L Y. *Journal of Emergency in Traditional Chinese Medicine*, 2008, 17(7):963-4.

[2] Qiao C F, He Z D, Han Q B, *et al. China Journal of Chinese Materia Medica*, 2006, 31(9):744-6.

### **[ Contact ]**

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