

# Momordicoside L Datasheet

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

## [ Product Information ]

**Name:** Momordicoside L

**Catalog No.:** CFN92307

**Cas No.:** 81348-83-6

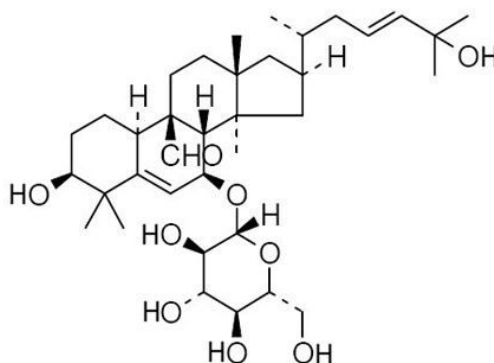
**Purity:** > 98%

**M.F:** C<sub>36</sub>H<sub>58</sub>O<sub>9</sub>

**M.W:** 634.9

**Physical Description:** Powder

**Synonyms:** (3β,7β,9β,10α,17β)-7-(β-D-glucopyranosyloxy)-3-hydroxy-17-[(3E)-5-hydroxy-1,5-dimethylhex-3-en-1-yl]-4,4,14-trimethylestr-5-ene-9-carboxaldehyde;  
3-Hydroxy-17-(5-hydroxy-1,5-dimethyl-hex-3-enyl)-4,4,13,14-tetramethyl-7-(3,4,5-trihydroxy-6-hydroxymethyl-tetrahydro-pyran-2-yloxy)-1,2,3,4,7,8,10,11,12,13,14,15,16,17-tetradecahydro-cyclopenta[a]phenanthrene-9-carbaldehyde.



## [ Intended Use ]

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

## **[ Source ]**

The herbs of *Mormodica charantia* L.

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

Momordicosides K and L are two main triterpene glycosides to cause a bitter taste in Bitter melon.<sup>[1]</sup>

Momordicoside L and K have antifeedant activity.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Acetonitrile-H<sub>2</sub>O=64:36 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 203 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Alice Donya , Navam Hettiarachchy , Rohana Liyanage, et al. *J. Agric. Food Chem.*, 2007,55(14):5827-33.

[2] Wardhani T, Abadi A L, Himawan T, et al. *Journal of Biology and Life Science*, 2015, 6(2):172-92.

[3] Zhang Y, Guan J, Cui J, et al. *Zhongguo Zhong yao za zhi*, 2010, 35(5):620-2.

## **[ Contact ]**

**Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)