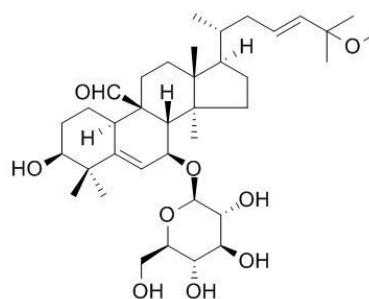


# Momordicoside K Datasheet

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

## [ Product Information ]

**Name:** Momordicoside K**Catalog No.:** CFN92305**Cas No.:** 81348-84-7**Purity:** > 98%**M.F:** C<sub>37</sub>H<sub>60</sub>O<sub>9</sub>**M.W:** 648.9**Physical Description:** Powder**Synonyms:** 19-Norlanosta-5,23-diene-9-carboxaldehyde, 7-(β-D-glucopyranosyloxy)-3-hydroxy-25-methoxy-, (3b,7b,9b,10a,23E)-.

## [ Intended Use ]

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

## [ Source ]

The herbs of *Momordica charantia* L.

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

Momordicosides K and L, the main bitter taste triterpene glycosides in Bitter melon; and bitter melon has been reported to have hypoglycemic, anti atherogenic and anti HIV activities. <sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, Hot water, etc.

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

Mobile phase: Acetonitrile-Methanol-50mM Potassium dihydrogen phosphate buffer  
=25:20:60;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 208 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Donya A. *Dissertations & Theses - Gradworks*, 2007.

[2] Shui W, Lin T, Guo Y, *et al. Chromatographia*, 2001, 53(7):372-4.

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