

# Mogroside IV Datasheet

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

## [ Product Information ]

**Name:** Mogroside IV

**Catalog No.:** CFN90389

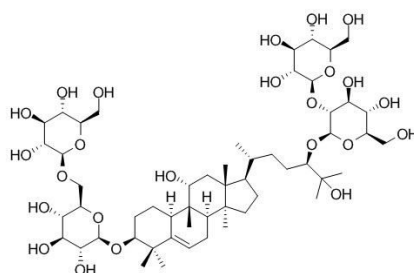
**Cas No.:** 89590-95-4

**Purity:** >=98%

**M.F:** C<sub>54</sub>H<sub>92</sub>O<sub>24</sub>

**M.W:** 1125.31

**Physical Description:** Powder



**Synonyms:** (2R,3R,4S,5S,6R)-2-[[[(2R,3S,4S,5R,6R)-6-[[[(3S,8R,9R,10R,11R,13R,14S)-17-[(1R,4R)-4-[(2S,3R,4S,5S,6R)-4,5-dihydroxy-6-(hydroxymethyl)-3-[(2R,3S,4R,5R,6S)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydropyran-2-yl]oxy-tetrahydropyran-2-yl]oxy-5-hydroxy-1,5-dime.

## [ Intended Use ]

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

## [ Source ]

The fruits of *Siraitia grosvenorii* Swingle.

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

Mogroside IV, Mogroside V and combinations thereof act as a Toll -Like Receptor -4 agonist and immune stimulant that can be utilized for both therapeutic vaccine design in cancer and for other pathogenic agents; therapy with Mogroside IV, Mogroside V and combinations thereof are also presented to created immune clearance of a viral infection.<sup>[1]</sup>

Mogrosides IV is a sweet minor cucurbitane glycoside.<sup>[2]</sup>

### **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Acetonitrile-H<sub>2</sub>O=23:77 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 220 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Prendergast P T. WO/2016/001907[P]. 2016.

[2] Matsumoto K, Kasai R, Ohtani K, *et al.* *Chem. Pharm. Bull.*, 1990, 38(7):2030-2.

[3] Zhang Y Z, Qi X Y, Chen W J, *et al.* *Food Science*, 2006, 27(7):224-7.

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