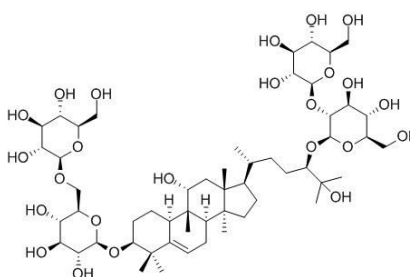


Mogroside IVe Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Mogroside IVe**Catalog No.:** CFN92189**Cas No.:** 88915-64-4**Purity:** > 98%**M.F:** C₅₄H₉₂O₂₄**M.W:** 1125.30**Physical Description:** Powder

Synonyms: b-D-Glucopyranoside, (3b,9b,10a,11a,24R)-3-[(6-O-b-D-glucopyranosyl-b-D-glucopyranosyl)oxy]-11,25-dihydroxy-9-methyl-19-norlanost-5-en-24-yl 2-O-b-D-glucopyranosyl-.

**[Intended Use]**

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

[Source]The fruits of *Siraitia grosvenorii* Swingle.

[Biological Activity or Inhibitors]

Mogroside IVe can inhibit the proliferation of HT29 and Hep-2 cells in culture and in xenografted mice in a dose-dependent manner, which is accompanied by the upregulation of tumor suppressor p53, and downregulation of matrix metalloproteinase 9 (MMP-9) and phosphorylated extracellular signal-regulated kinases (ERK)1/2; suggests that mogroside IVe may be potentially used as a biologically-active phytochemical supplement for treating colorectal and throat cancer.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 0.75 ml/min;

Column temperature: 40 °C;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Liu C, Dai L, Liu Y, *et al. Nutrients*, 2016, 8(6):360.

[2] Jing Z, Wang M Y, Li X B, *et al. Chinese Traditional & Herbal Drugs*, 2007, 38(2):196-8.

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