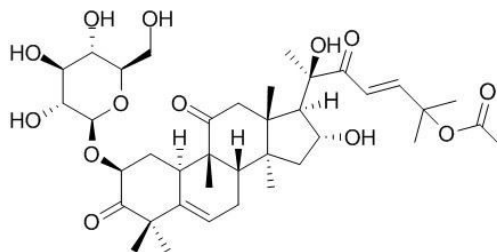


## Cucurbitacin B 2-O-beta-D-glucoside Datasheet

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

### [ Product Information ]

**Name:** Cucurbitacin B 2-O-beta-D-glucoside**Catalog No.:** CFN92141**Cas No.:** 65247-27-0**Purity:** > 95%**M.F:** C<sub>38</sub>H<sub>56</sub>O<sub>13</sub>**M.W:** 720.9**Physical Description:** Powder**Synonyms:** (2S,4R,9beta,16alpha,23E)-2-(beta-D-glucopyranosyloxy)-16,20-dihydroxy-9,10,14-trimethyl-1,11,22-trioxo-4,9-cyclo-9,10-secocholesta-5,23-dien-25-yl acetate.

### [ Intended Use ]

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

### [ Source ]

The rhizomes of *Hemsleya amabilis* Diels.

### [ Biological Activity or Inhibitors ]

Cucurbitacin B 2-o-  $\beta$  -D-glucoside (CuBg), abundantly occurs in the pedicels of Cucumis melo, it has anticancer activity.<sup>[1]</sup>

### **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Acetonitrile- H<sub>2</sub>O= 40:60;

Flow rate: 1.2 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Mei J, Sha L, Hang J, *et al. Bioproc.Biosyst. Eng.*, 2016:1-6.

[2]Krepesky P B, Cervelin M D O, Porath D, *et al. Rev. Bras. Farmacogn.*, 2009, 19(3):715-9.

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