[ Product Information ]

Name: Emodin-8-beta-D-glucoside

Catalog No.: CFN99572

Cas No.: 23313-21-5

Purity: > 98%

M.F: C_{21}H_{20}O_{10}

M.W: 432.41

Physical Description: Yellow powder.

Synonyms: 1-(β-D-Glucopyranosyloxy)-3,8-dihydroxy-6-methylantracene-9,10-dione;
8-(β-D-Glucopyranosyloxy)-1,6-dihydroxy-3-methylantraquinone;
8-O-β-D-Glucopyranosylemodin;Emodin 1-glucoside;Emodin glucoside B.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others.

[ Source ]

The root and rhizome of *Rheum palmatum* L.
**[Biological Activity or Inhibitors]**

Emodin-8-O-beta-D-glucoside extracted from the traditional Chinese medicinal herb Polygonum cuspidatum Sieb. et Zucc is widely used to treat acute hepatitis possibly by antioxidative mechanisms; it is able to provide neuroprotection against cerebral ischemia-reperfused injury and glutamate induced neuronal damage through exerting antioxidative effects and inhibiting glutamate neurotoxicity.[1]

Emodin-8-O-β-D-glucoside can promote proliferation and differentiation of osteoblastic MC3T3-E1 cells.[2]

**[Solvent]**

Pyridine, DMSO, Methanol.

**[HPLC Method]**[3]

Mobile phase: Acetonitrile-H2O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wavelength of determination: 254nm.

**[Storage]**

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

**[References]**


**[Contact]**

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