

Chrysophanol 8-O-glucoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Chrysophanol 8-O-glucoside

Catalog No.: CFN99410

Cas No.: 13241-28-6

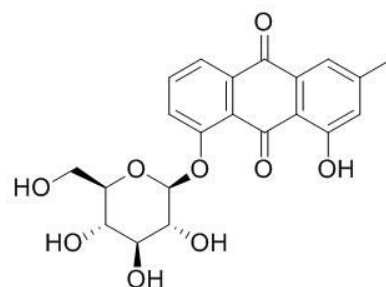
Purity: >=98%

M.F: C₂₁H₂₀O₉

M.W: 416.38

Physical Description: Yellow powder

Synonyms: Chrysophanol-8-O-beta-D-glucopyranoside.



[Intended Use]

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

[Source]

The roots of *Rheum emodi*.

[Biological Activity or Inhibitors]

Chrysophanol-8-O-glucoside, isolated from rhubarb, has the most potent inhibitory effect

on collagen- and thrombin-induced platelet aggregation, it only inhibits platelet phosphatidylserine exposure, but not exerts direct inhibition on intrinsic factors, suggests that it may be of therapeutic benefit for the prevention of platelet-related cardiovascular diseases.^[1]

Chrysophanol-8-O-beta-D-glucopyranoside and chrysophanol have mild cytotoxicity and anti-diabetic properties and can play metabolic roles in the insulin-stimulated glucose transport pathway.^[2]

Chrysophanol 8-O-beta-d-glucoside exhibits significant anti-HBV activities with improved liver function, and enhanced HBeAg and HBsAg sero-conversion rates as well as HBV DNA clearance rates in HepG2 2.2.15 cells, DHBV models, or patients with chronic hepatitis B (CHB).^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile- 0.5% Acetic acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 290 nm.

[Storage]

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

[References]

[1] Seo E J, Ngoc T M, Lee S M, *et al. J. Pharmacol.Sci.*, 2012, 118(2):245-54.

[2] Lee M S, Sohn C B. *Biol. Pharmaceut. Bull.*, 2008, 31(11):2154-7.

[3] Qi F H, Wang Z X, Cai P P, *et al. Drug Discoveries & Therapeutics*, 2013, 7(6):212-24.

[4] Yi T, Zhang H, Cai Z. *Phytochem. Anal.*, 2007, 18(5):387-92.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com