

Ginsenoside Rh4 Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ginsenoside Rh4

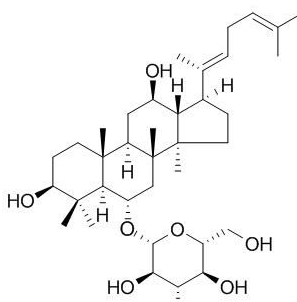
Catalog No.: CFN92594

Cas No.: 174721-08-5

Purity: > 98%

M.F: C₃₆H₆₀O₈

M.W: 620.9



Physical Description: Powder

Synonyms: (3beta,6alpha,12beta,20E)-3,12-Dihydroxydammarane-20(22),24-dien-6-yl-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 *Panax ginseng* C. A. Mey.

[Biological Activity or Inhibitors]

Ginsenoside Rh(4) , a saponin isolated from the roots of *Panax notoginseng* (Burk.) F. H. Chen, has haemolytic activity and adjuvant potential on specific antibody and cellular response to ovalbumin (OVA) in mice, it could be safely used as adjuvant with low or non-haemolytic effect.^[1]

Ginsenosides Rk3 and Rh4 alleviate cisplatin cytotoxicity in renal tubular cells and restore kidney function in a rat model of cisplatin-induced AKI, antioxidant strategies that inhibit ROS generation and recover antioxidant defense enzymes are suggested to be the underlying mechanism of renal protection, they can be viable therapeutic agents or adjuvants that reduce nephrotoxicity during cisplatin chemotherapy.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile- H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 203 nm.

[Storage]

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

[References]

[1] Yang Z G, Ye Y P, Sun H X. *Chem. Biodivers.*, 2007, 4(2):232- 40.

[2] Baek S H, Shin B K, Kim N J, *et al.* *J.Gins. Res.*, 2016,03,008:1-7.

[3] Lee M R, Yun B S, Sung C K. *J.Gins. Res.*, 2012, 36(36):93-101.

[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