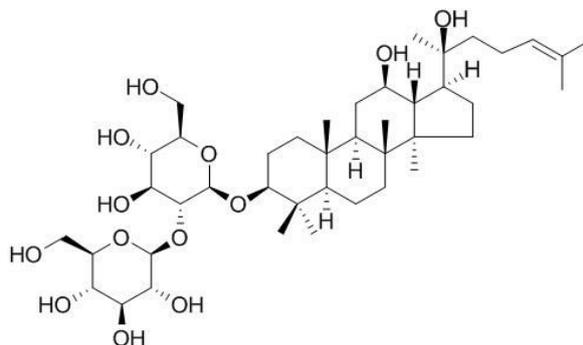


Ginsenoside Rg3 Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ginsenoside Rg3**Catalog No.:** CFN99969**Cas No.:** 14197-60-5**Purity:** > 98%**M.F:** C₄₂H₇₂O₁₃**M.W:** 785.02**Physical Description:** White powder

Synonyms: 20(s)-Ginsenoside-rg3; Sanchinoside C1; (3beta,6alpha,12beta)-3,12-Dihydroxydammar-24-ene-6,20-diylbis(beta-D-glucopyranoside); (20S)-3β-[[2-O-(β-D-Glucopyranosyl)-β-D-glucopyranosyl]oxy]dammarane-24-ene-12β,20-diol 12β,20-Dihydroxy-5α-damm ar-24-en-3β-yl 2-O-β-D-glucopyranosyl-β-D-glucopyranoside.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Others.

[Source]

The root and rhizome of *Panax ginseng* C. A. Mey.

[Biological Activity or Inhibitors]

Ginsenoside-Rg3 possesses an ability to inhibit the lung metastasis of tumor cells, and the mechanism of its antimetastatic effect is related to inhibition of the adhesion and invasion of tumor cells, and also to anti-angiogenesis activity.^[1]

Ginsenoside-Rg3 (2.5 or 5.0 mg/kg body weight, s.c. injections) inhibits cancer metastasis through activities that do not affect the growth or vascularity of intestinal cancers.^[2]

Ginsenoside Rg3 has anti-tumor property through its angiosuppressive activity, is a ginsenoside monomer with high anti-cancer activity.^[3,4]

Ginsenoside-Rg3 has new pharmacological activity against testosterone-induced prostate overgrowth, downregulates AR by facilitating the degradation of AR protein, could be potential therapeutic regimens for treating BPH.^[5]

Ginsenoside-Rg3 is a novel drug, capable of inhibiting the early of scarring (HS) and later HS, GS-Rg3/electrospun is a very promising new treatment for early and long-term treatment of HS.^[6]

[Solvent]

Pyridine, DMSO, Ethanol, Methanol.

[HPLC Method]^[7]

Mobile phase: Methanol-10m ammonium acetate=95:5;

Flow rate: 1.0 ml/min;

Column temperature: 40°C;

The wave length of determination: 203 nm.

[Storage]

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

[References]

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- [7] Zhao Q, Zheng X, Jiang J, et al. *J. Chromatogr. B*, 2010, 878(24): 2266-73.

[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