

Ginsenoside Rk3 Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Ginsenoside Rk3

Catalog No.: CFN92593

Cas No.: 364779-15-7

Purity: > 98%

M.F: C₃₆H₆₀O₈

M.W: 620.9

Physical Description: Powder

Synonyms:

HO OH HO OH

[Intended Use]

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

[Source]

The roots of Panax ginseng C. A. Mey.

[Biological Activity or Inhibitors]

Ginsenoside RK3 has the potential to exert cardioprotective effects against H/R injury via AKT/Nrf-2/HO-1 and MAPK pathways.^[1]

Ginsenosides Rk3 and Rh4 protect the kidney from cisplatin-induced oxidative injury and help to recover renal function by restoring intrinsic antioxidant defenses.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method][3]

Mobile phase: 5 mM Ammonium acetate aqueous- H2O- Acetonitrile, gradient elution;

Flow rate: 1.5 ml/min;

Column temperature: 30 °C;

The wave length of determination: 203 nm.

[Storage]

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

[References]

[1] Sun J, Sun G, Meng X, et al. Evid.-based Complement. Alternat. Med., 2013, 2013(4): 690190.

[2] Baek S H, Shin B K, Kim N J, et al. J. Ginseng Res., 2016,1-7.

[3] Qian Z M, Wan J B, Zhang Q W, et al. J. Pharmaceut. Biomed., 2008, 48(5):1361-7.

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