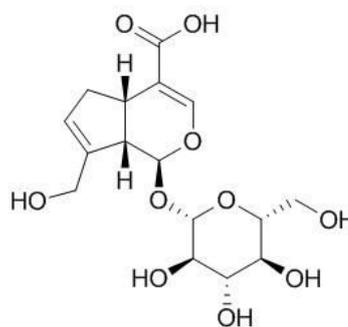


Geniposidic acid Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Geniposidic acid**Catalog No.:** CFN98337**Cas No.:** 27741-01-1**Purity:** > 98%**M.F:** C₁₆H₂₂O₁₀**M.W:** 374.3**Physical Description:** Powder**Synonyms:** (1S,4aS,7aS)-7-(hydroxymethyl)-1-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)-2-oxanyl]oxy]-1,4a,5,7a-tetrahydrocyclopenta[c]pyran-4-carboxylic acid.**[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 fruit of *Gardenia jasminoides Ellis*.

[Biological Activity or Inhibitors]

Geniposidic acid, one of the main active ingredients in *Gardenia jasminoides* J. Ellis (Rubiaceae), has anti-atherosclerotic effects, can protect vascular endothelium and reverse plaque formation in an atherosclerotic model.^[1]

Geniposidic acid and geniposide have antitumor effects, play a role in an effective anticancer product with the ability to decrease undesirable radiation damage to the hematologic tissue after high dose irradiation.^[2]

Geniposidic acid can protect against D-galactosamine and lipopolysaccharide-induced hepatic failure in mice.^[3]

Geniposidic acid protects against anti-induced hepatotoxicity and acute intrahepatic cholestasis, due to Fxr-mediated regulation of Bsep and Mrp2.^[4]

Geniposidic acid has effects on the expression of MRP2 and BSEP in BRL-3A cells after FXR gene silencing mediated by si RNA.^[5]

[Solvent]

Pyridine, DMSO, Methanol, Ethanol, etc.

[HPLC Method]^[6]

Mobile phase: Methanol- H₂O-Acetic acid= 14.5: 85: 0.5 ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 236 nm.

[Storage]

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

[References]

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- [4] Chen H, Huang X, Min J, *et al. J. Ethnopharmacol.*, 2015, 179:197-207.
- [5] Chen H, Shi S, Min J B, *et al. China Journal of Traditional Chinese Medicine & Pharmacy*, 2016,5.
- [6] Peng M J, Zhang M, Liu J L, *et al. Chinese Journal of Hospital Pharmacy*, 2005, 25(04):300-2.

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