[ Product Information ]

Name: Geniposidic acid
Catalog No.: CFN98337
Cas No.: 27741-01-1
Purity: > 98%
M.F: C_{16}H_{22}O_{10}
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 wavelength of determination: 236 nm.

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

[References]


[ Contact ]

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