[ Product Information ]

Name: Poliumoside
Catalog No.: CFN99714
Cas No.: 94079-81-9
Purity: > 98%
M.F: C_{35}H_{46}O_{19}
M.W: 770.73

Physical Description: Yellow powder

Synonyms: (E)-3-(3,4-dihydroxyphenyl)-2-propenoic-acid[6-2-(3,4-dihydroxyphenyl)ethoxy]-5-hydroxy-4-[(3,4,5-trihydroxy-6-methyl-2-oxanyl)oxy]-2-[(3,4,5-trihydroxy-6-methyl-2-oxanyl)oxymethyl]-3-oxanyl] ester.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & fine chemicals;
5. Others.

[ Source ]

The herbs of Callicarpa dichotoma.
[Biological Activity or Inhibitors]

Poliumoside is one of the major phenylethanoid glycosides (PhGs) isolated from Callicarpae Caulis et Folium (CCF) which is a traditional Chinese medicine used for hemostasis in clinic; hydrolysis, hydroxylation, acetylation, sulfation, hydration, reduction, dehydrogenation and dimethylation were the major metabolic pathways of poliumoside. [1]

Poliumoside can inhibit Biofilm-forming Staphylococcus aureus in mice, has some antibacterial activity.[2]

Poliumoside has oxidant scavenging capacity.[3]

[ Solvent ]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method ][4]

Mobile phase: Acetonitrile-0.5% Phosphoric acid H2O=19:81;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wavelength of determination: 332 nm..

[ Storage ]

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

[References ]

[ Contact ]

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