

# Poliumoside Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

## [ Product Information ]

**Name:** Poliumoside

**Catalog No.:** CFN99714

**Cas No.:** 94079-81-9

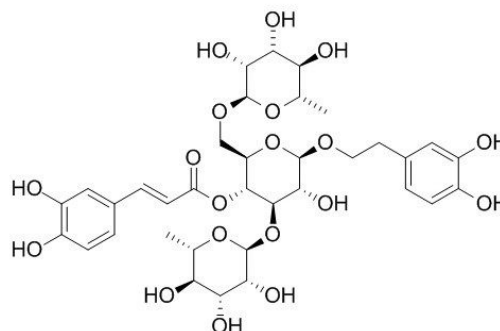
**Purity:** > 98%

**M.F:** C<sub>35</sub>H<sub>46</sub>O<sub>19</sub>

**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. <sup>[1]</sup>

Poliumoside can inhibit Biofilm-forming *Staphylococcus aureus* in mice, has some antibacterial activity.<sup>[2]</sup>

Poliumoside has oxidant scavenging capacity.<sup>[3]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, Hot water, etc.

## **[ HPLC Method ]<sup>[4]</sup>**

Mobile phase: Acetonitrile-0.5% Phosphoric acid H<sub>2</sub>O=19:81;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 332 nm..

## **[ Storage ]**

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

## **[ References ]**

[1] Rui D, Xu Y, Feng F, *et al. J.Chromatogr. B*, 2014, 969:285-96.

[2] Elmasri W, Elmasri W A, Hegazy M E F, *et al. International Eurasia Pharmacy Congress. 2015*, 9.

[3] Tai B H, Jung B Y, Cuong N M, *et al. Biol. Pharm. Bull.*, 2009, 32(12):1952-6.

[4] Zhou G P. *Chinese Journal of Pharmaceutical Analysis*, 2008, 28(10):1623-5.

## **[ Contact ]**

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