

Phytolaccagenin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Phytolaccagenin

Catalog No.: CFN99844

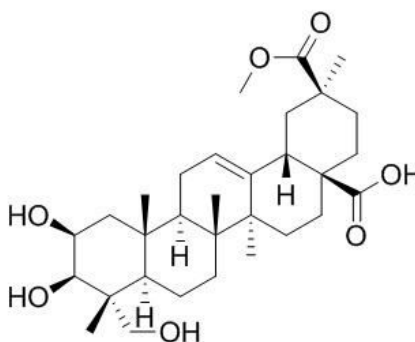
Cas No.: 1802-12-6

Purity: >=98%

M.F: C₃₁H₄₈O₇

M.W: 532.7

Physical Description: Powder



Synonyms: Olean-12-ene-28,29-dioic-acid,2,3,23-trihydroxy-,29-methyl-ester,(2beta,3beta,4alpha,20beta)-;2,3,23-Trihydroxy-29-methoxy-29-oxoolean-12-en-28-oic acid.

[Intended Use]

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

[Source]

The roots of *Phytolacca acinosa* Roxb.

[Biological Activity or Inhibitors]

Esculentoside A and its aglycone phytolaccagenin have inhibitory effects on lipopolysaccharide-induced NO production, and haemolytic activities.^[1]

Phytolaccagenin has promising antifungal activity against ATCC standard cultures of *Candida albicans* and *Cryptococcus neoformans*, and against clinical isolates of these fungi.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[3]

HPLC-MS:

Mobile phase: 0.1% Formic acid in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

Ion source temperature: 300 °C;

Ion spray voltage: 5.0 kV.

[Storage]

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

[References]

[1]Gong W, Jiang Z, Sun P, *et al. Chem. Biodivers.*, 2011, 8(10):1833-52.

[2] Di L M, Svetaz L, Furlán R L, *et al. Nat. Prod. Commun.*, 2010, 5(7):1013-8.

[3] Wei F, Singh R S, Fueth M, *et al. J.Pharm. Biomed. Anal.*, 2015, 107(107):82-8.

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