

## Alisol C Datasheet

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

### [ Product Information ]

**Name:** Alisol C

**Catalog No.:** CFN92545

**Cas No.:** 30489-27-1

**Purity:** > 95%

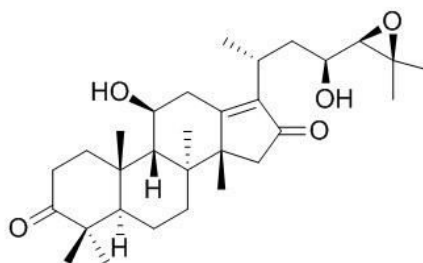
**M.F:** C<sub>30</sub>H<sub>46</sub>O<sub>5</sub>

**M.W:** 486.7

**Physical Description:** Powder

**Synonyms:**

(8 $\alpha$ , 9 $\beta$ , 14 $\beta$ , 23S, 24R)-11 $\beta$ , 23-Dihydroxy-24,25-epoxy-5 $\alpha$ -dammar-13(17)-ene-3,16-dione; 16-Oxoalisol B.



### [ Intended Use ]

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

### [ Source ]

The tubers of *Alisma plantago-aquatica* Linn.

## **[ Biological Activity or Inhibitors ]**

Alisol C can improve glucose uptake in Hep G2 cells, it may be one of the therapeutic material basis in hypoglycemic activities in *A. orientalis*.<sup>[1]</sup>

Alisol C, 16,23-oxido-alisol B and alisol O in *Zexie* may cause nephrotoxicity.<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: A acetonitrile- 0.1% Aqueous phosphoric acid, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 205 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Xu W, Luo F R, Zhao W L, *et al. Chinese Traditional & Herbal Drugs*, 2014, 45(22):3238-45.

[2] Zhao X, Lu L, Zhang Y, *et al. China Journal of Chinese Materia Medica*, 2011, 36(6):758-61.

[3] Na B, Men C V, Kim K T, *et al. Bulletin- Korean Chemical Society*, 2013, 34(7):2081-5.

## **[ Contact ]**

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