

## Medicagenic acid Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Medicagenic acid

**Catalog No.:** CFN93933

**Cas No.:** 599-07-5

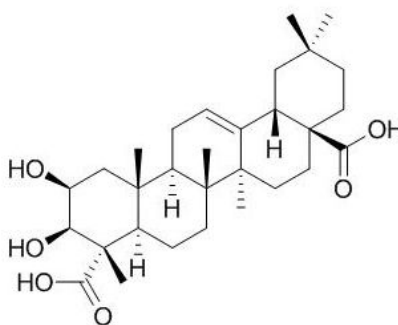
**Purity:** >=98%

**M.F:** C<sub>30</sub>H<sub>46</sub>O<sub>6</sub>

**M.W:** 502.68

**Physical Description:** Powder

**Synonyms:** (4S)-2β,3β-Dihydroxyolean-12-ene-23,28-dioic acid;Catsanogenin.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Medicago sativa*.

### [ Biological Activity or Inhibitors ]

Medicagenic acid derivatives exhibit potent fungistatic effects against several plant pathogens and human dermatophytes.<sup>[1]</sup>

Medicagenic acid, the factor responsible for hemolytic activity of lucerne saponins.<sup>[2]</sup>

## **[ Solvent ]**

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

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

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

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Zehavi U, Polacheck I. *Adv. Exp. Med. Biol.* ,1996, 404:535-46.

[2] Gestetner B, Shany S, Assa Y. *Experientia*, 1971, 27(1):40-1.

[3] Favre-Godal Q, Dorsaz S, Marcourt L, *et al. J. Brazil. Chem. Soc.*, 2016, 00(00):1-12.

## **[ Contact ]**

### **Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)