



## Dehydrotrametenolic acid Datasheet

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

### [ Product Information ]

**Name:** Dehydrotrametenolic acid

**Catalog No.:** CFN90577

**Cas No.:** 29220-16-4

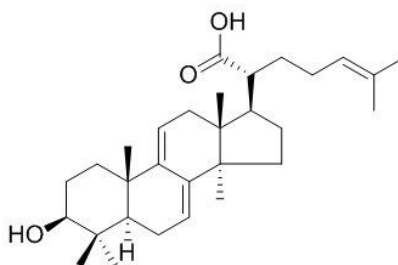
**Purity:** >99%

**M.F:** C<sub>30</sub>H<sub>46</sub>O<sub>3</sub>

**M.W:** 454.69

**Physical Description:** Powder

**Synonyms:** 3 $\beta$ -Hydroxy-5 $\alpha$ -lanosta-7,9(11),24-trien-21-oic acid.



### [ Intended Use ]

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

### [ Source ]

The roots of *Wolfiporia cocos* (Schw.) Ryv.

### [ Biological Activity or Inhibitors ]

Dehydrotrametenolic acid, isolated from dried sclerotia of *Poria cocos* WOLF

(Polyporaceae), induces preadipocyte differentiation and sensitizes animal models of noninsulin-dependent diabetes mellitus to insulin, it is a promising candidate for a new type of insulin-sensitizing drug.<sup>[1]</sup>

Dehydrotrametenolic acid can selectively inhibit the growth of H-ras transformed rat2 cells and induce apoptosis through caspase-3 pathway, suggests that it can be a potential anticancer agent against H-ras transformed tumor.<sup>[2]</sup>

Dehydrotrametenolic acid shows significant insulinomimetic and antidiabetic activity with more efficacy than conventional hypoglycaemic agents. <sup>[3]</sup>

### **[ Solvent ]**

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

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

Mobile phase: Acetonitrile-1% Phosphoric acid H<sub>2</sub>O=80:20 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 242 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Sato M, Tai T, Nunoura Y, *et al. Biol. Pharmaceut. Bull.*, 2002, 25(1):81-6.

[2] Kang H M, Lee S K, Shin D S, *et al. Life Sci.*, 2006, 78(6):607-13.

[3]Patel D K, Prasad S K, Kumar R, *et al. Asian Pac. J. Trop. Biomed.*, 2012, 2(4):320-30.

[4] Yan X S, Zhao X J, Han Y Y. *Drugs & Clinic*, 2014, 29(2):166-8.

### **[ 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)