

## 1-Decarboxy-3-oxo-ceanothic acid Datasheet

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

### [ Product Information ]

**Name:** 1-Decarboxy-3-oxo-ceanothic acid

**Catalog No.:** CFN98072

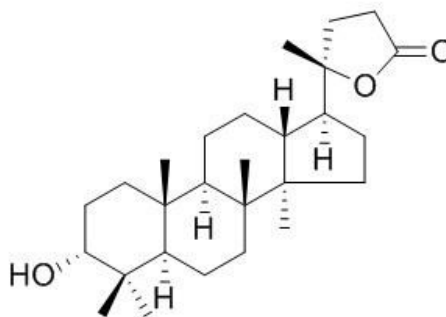
**Cas No.:** 214150-74-0

**Purity:** > 95%

**M.F:** C<sub>29</sub>H<sub>44</sub>O<sub>3</sub>

**M.W:** 440.7

**Physical Description:** Powder



**Synonyms:** (1R,3aS,5aR,5bR,7aR,10aR,10bR,12aR,12bR)-1-Isopropenyl-5a,5b,8,8,10a-pentamethyl-9-oxooctadecahydrodicyclopenta[a,i]phenanthrene-3a(1H)-carboxylic acid.

### [ Intended Use ]

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

### [ Source ]

The herbs of *Senecio scandens*.

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

1-Decarboxy-3-oxo-ceanothic acid shows in vitro cytotoxic activity in a human ovarian adenocarcinoma cell line, the cytotoxic effect is mediated, at least in part, by the induction of apoptosis.<sup>[1]</sup>

1-Decarboxy-3-oxo-ceanothic acid shows cytotoxic against OVCAR-3 and HeLa cancer cell lines, with an IC<sub>50</sub> of 2.8 and 6.6 microg/mL, respectively, and an IC<sub>50</sub> of 11.3 microg/mL against normal cell line FS-5.<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]**

Not data available.

## **[ Storage ]**

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

## **[ References ]**

[1] Su Y, Chang C L, Lee S S, *et al. Res. Commun. Mol. Pathol. Pharmacol.*,1998Jun; 100(3):313-26.

[2] Lee S S, Chen W C, Huang C F, *et al. J. Nat. Prod.*,1998 Nov;61(11):1343-7.

## **[ 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)