

## Fupenzic acid Datasheet

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

### [ Product Information ]

**Name:** Fupenzic acid

**Catalog No.:** CFN99311

**Cas No.:** 119725-20-1

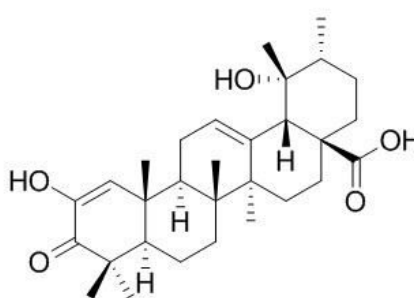
**Purity:** >95%

**M.F:** C<sub>30</sub>H<sub>44</sub>O<sub>5</sub>

**M.W:** 484.7

**Physical Description:** Powder

**Synonyms:**



### [ Intended Use ]

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

### [ Source ]

The fruits of *Rubus chingii*.

### [ Biological Activity or Inhibitors ]

Fupenzic acid shows a significant decrease in intracellular melanin content in B16-F10

cells, and in culture media melanin, compared to a well-known inhibitor,  $\alpha$ -arbutin.<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Meathnol-H<sub>2</sub>O=60:40 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 270 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Song N Y, Cho J G, Im D, *et al. Nat. Prod. Res.*, 2013, 27(23):2219-23.

[2] Zhang X Y, Li B G, Zhou M, *et al. Chinese Journal of Applied & Environmental Biology*, 2006, 12(2):163-9.

## **[ 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)