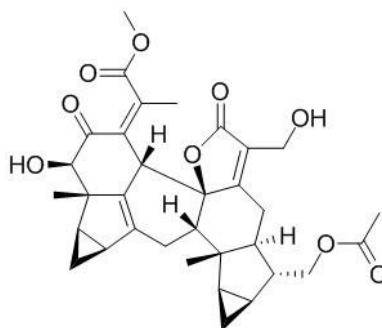


## Shizukaol D Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)**[ Product Information ]****Name:** Shizukaol D**Catalog No.:** CFN99462**Cas No.:** 17020-04-1**Purity:** > 95%**M.F:** C<sub>33</sub>H<sub>38</sub>O<sub>9</sub>**M.W:** 578.7**Physical Description:** Powder

**Synonyms:** Propanoic acid, 2-[9-[(acetyloxy)methyl]-1a,1b,2,3,4a,6,8,8a,9,9a,10,10a,10b,10c,11,11b-hexadecahydro-2-hydroxy-7-(hydroxymethyl)-1b,10b-dimethyl-3,6-dioxocyclopropa[4,5]cyclopropa[4',5']cyclopent[1',2':7,8]acephenanthryleno[10a,10-b]furan-4(1H)-ylidene]-, methyl ester, [1aR-(1aa,1bb,2b,4ab,4bS\*,8aa,9a,9aa,10aa,10bb,10cb,11ba)]-.

**[ Intended Use ]**

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

**[ Source ]**

The herbs of *Chloranthus japonicus*.

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

Shizukaol D exerts a growth inhibition effect on liver cancer cells in a dose- and time-dependent manner by modulating wnt signalling pathway.<sup>[1]</sup>

Shizukaol D induces mitochondrial dysfunction by depolarizing the mitochondrial membrane and suppressing energy production, which may result in AMPK activation, suggests that shizukaol D may be used to treat metabolic syndrome.<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] Tang L, Zhu H, Yang X, *et al. Plos One*, 2016, 11(3):e0152012.

[2] Hu R, Yan H, Hao X, *et al. Plos One*, 2013, 8(8):e73527.

## **[ 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)