

## Hyodeoxycholic acid Datasheet

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

### [ Product Information ]

**Name:** Hyodeoxycholic acid

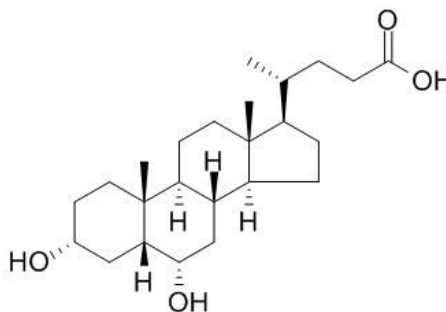
**Catalog No.:** CFN99797

**Cas No.:** 83-49-8

**Purity:** >=98%

**M.F:** C<sub>24</sub>H<sub>40</sub>O<sub>4</sub>

**M.W:** 392.56



**Physical Description:** White powder

**Synonyms:** 3 $\alpha$ ,6 $\alpha$ -Dihydroxy-5 $\beta$ -cholan-24-oic acid; Pig Hyodeoxycholic acid.

### [ Intended Use ]

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

### [ Source ]

The bile of Pig.

### [ Biological Activity or Inhibitors ]

Hyodeoxycholic acid can efficiently suppress atherosclerosis formation and plasma cholesterol levels in mice, it may have beneficial effects in the treatment of increased plasma cholesterol levels and atherosclerosis.<sup>[1]</sup>

## **[ Solvent ]**

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

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

HPLC-ELSD:

Mobile phase: Methanol-H<sub>2</sub>O-Glacial acetic acid =75:25:0.01;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

Drift tube temperature: 85 °C;

Flow rate of gas : 3.0L/min.

## **[ Storage ]**

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

## **[ References ]**

[1] Sehayek E, Ono J G, Duncan E M, *et al. J. Lipid Res.*, 2001, 42(8):1250-6.

[2] He Y, Zhang Y X, Zhao H D, *et al. Zhongguo Zhong Yao Za Zhi.* 2007,32(16):1634-6.

## **[ 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)