

## 6-Hydroxystigmasta-4,22-dien-3-one Datasheet

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

### [ Product Information ]

**Name:** 6-Hydroxystigmasta-4,22-dien-3-one

**Catalog No.:** CFN98495

**Cas No.:** 36450-01-8

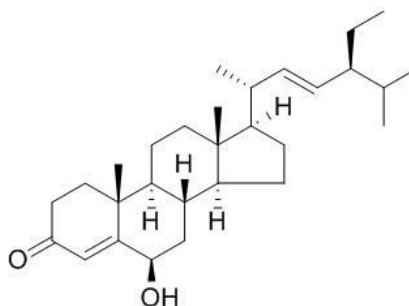
**Purity:** > 95%

**M.F:** C<sub>29</sub>H<sub>46</sub>O<sub>2</sub>

**M.W:** 426.7

**Physical Description:** Powder

**Synonyms:** 6beta-hydroxystigmasta-4,22-dien-3-one.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Hedyotis diffusa*.

### [ Biological Activity or Inhibitors ]

6beta-hydroxystigmasta-4,22-dien-3-one exhibits in vitro antibacterial activity.<sup>[1]</sup>

6 $\beta$ -Hydroxystigmasta-4,22-dien-3-one shows antioxidant activity, the value of IC<sub>50</sub> toward DPPH is 233.4  $\pm$  0.28  $\mu$ M.<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Methanol -H<sub>2</sub>O=65:35;

Flow rate:2.0 ml/min;

Column temperature: 30°C;

The wave length of determination:254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Asha K N, Chowdhury R, Hasan C M, *et al. Fitoterapia*,2003 Feb;74(1-2):159-63.

[2] Sahidin, Nohong, Sani A, *et al. Int. J.Pharm.Pharm. Sci.*,2014,6(8):350-4.

[3] Zhang P, Xiang Y B, Hao J J, *et al. Journal of Anhui Agricultural Sciences*,2011,39(1):137-137.

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