

## Triptoquinone B Datasheet

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

### [ Product Information ]

**Name:** Triptoquinone B

**Catalog No.:** CFN99474

**Cas No.:** 17020-04-1

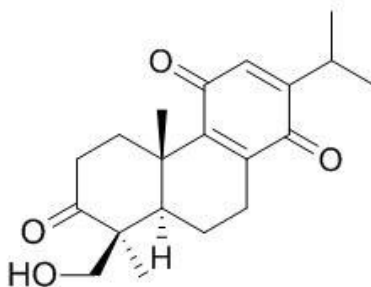
**Purity:** > 95%

**M.F:** C<sub>20</sub>H<sub>26</sub>O<sub>4</sub>

**M.W:** 330.4

**Physical Description:** Powder

**Synonyms:** 1,4,7(4bH)-Phenanthrenetrione,5,6,8,8a,9,10-hexahydro-8-(hydroxymethyl)-4b,8-dimethyl-2-(1-methylethyl)-,(4bS,8S,8aR)-.



### [ Intended Use ]

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

### [ Source ]

The vines of *Tripterygium wilfordii*.

### [ Biological Activity or Inhibitors ]

Triptoquinone B and C possess interleukin-1 inhibitory activity.<sup>[1]</sup>

Triptoquinone B shows the significant immunosuppressive activity.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol-1% Acetic acid solution =66:34 ;

Flow rate: 1.0 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] Yamamura I, Fujiwara Y, Yamato T, *et al. Tetrahedron Lett.*, 1997, 38(23):4121-4.

[2] Zhang Y W, Fan Y S, Wang X D, *et al. Chinese Traditional & Herbal Drugs*, 2007, 38(4):493-6.

[3] He J P, Wang W Y, Gao W Y, *et al. Chinese Traditional & Herbal Drugs*, 2006, 37(4): 525-7.

## **[ Contact ]**

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