

## Danshenxinkun C Datasheet

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

### [ Product Information ]

**Name:** Danshenxinkun C

**Catalog No.:** CFN90327

**Cas No.:** 65907-77-9

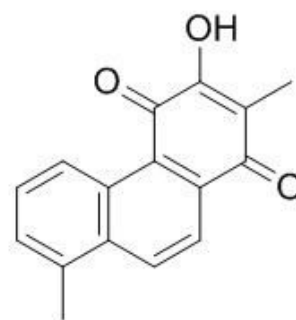
**Purity:** > 98%

**M.F:** C<sub>16</sub>H<sub>12</sub>O<sub>3</sub>

**M.W:** 252.3

**Physical Description:** Powder

**Synonyms:** 1,4-Phenanthrenedione,3-hydroxy-2,8-dimethyl-



### [ Intended Use ]

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

### [ Source ]

The roots of *Salvia miltiorrhiza*.

### [ Biological Activity or Inhibitors ]

Danshenxinkun B, isolated from Rhizomes of tanshen (*Salvia miltiorrhiza* Bung), has antioxidant activity, it may have the potential of being used as natural antioxidants in foods and cosmetics.<sup>[1]</sup>

Danshenxinkun A selectively inhibits rabbit platelet aggregation induced by arachidonic acid.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol- 1% Acetic acid H<sub>2</sub>O=8:92 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Zhang K Q, Bao Y, Wu P, *et al. J. Agr. Food Chem.*, 1990, 38(5):1194-7.

[2] Lin H C, Ding H Y, Chang W L. *J. Nat. Prod.*, 2001, 64(5):648-50.

[3] Suo Y K, Huo B K, Qin J G. *Chinese Pharmaceutical Affairs*, 2012, 26(4):379-81.

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