



# Hydroxytanshinone IIA Datasheet

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

## [ Product Information ]

**Name:** Hydroxytanshinone IIA

**Catalog No.:** CFN90353

**Cas No.:** 18887-18-8

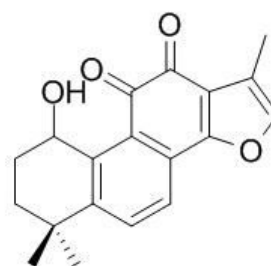
**Purity:** > 98%

**M.F:** C<sub>19</sub>H<sub>18</sub>O<sub>4</sub>

**M.W:** 310.35

**Physical Description:** Red needles

**Synonyms:**



## [ 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 ]

Hydroxytanshinone II A has good antiproliferative effect on SGC-7901, HeLa, and HepG2 cell, the values of IC<sub>50</sub> are 4.18, 6.08 and 10.20  $\mu$ M, respectively; it has tumor cell proliferation inhibition significantly stronger than the tanshinone II A.<sup>[1]</sup>

### **[ Solvent ]**

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

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

Mobile phase: Methanol- Tetrahydrofuran- H<sub>2</sub>O- Glacial acetic acid =20:35:44:1;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Zhang L J, Xu W Q, Jiang C F, *et al. Natural products research and development*, 2015 (12): 2027-30.

[2] Shi Z, He J, Yao T, *et al. J. Pharmaceut. Biomed.*, 2005, 37(3):481-6.

### **[ Contact ]**

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