

## 2-Hydroxy-3-methylantraquinone Datasheet

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

### [ Product Information ]

**Name:** 2-Hydroxy-3-methylantraquinone

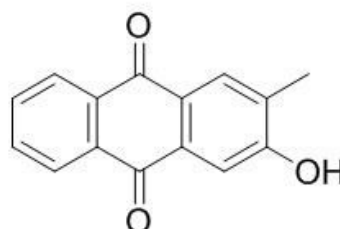
**Catalog No.:** CFN99810

**Cas No.:** 17241-40-6

**Purity:** > 95%

**M.F:** C<sub>15</sub>H<sub>10</sub>O<sub>3</sub>

**M.W:** 238.2



**Physical Description:** Yellow powder

**Synonyms:** 2-Methyl-3-hydroxyanthraquinone; 3-Hydroxy-2-methylantraquinone.

### [ Intended Use ]

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

### [ Source ]

The herbs of *Scutellaria barbata* D. Don.

### [ Biological Activity or Inhibitors ]

2-Hydroxy-3-methylantraquinone can enhance apoptosis of human leukemic THP-1

cells, at least in part, through activation of Fas/FasL, DR4 and TRAIL, moreover, triggering of caspase-8 activation mediated apoptotic induction. [1]

## **[ Solvent ]**

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

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

Mobile phase: 0.5% Acetic acid in water- Methanol=80:20 ;

Flow rate: 2.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Wang J H, Shu L H, Yang L L, *et al. Arch. Med. Res.*, 2011, 42(7):577-83.

[2] Han-Yeol Bang, Eun-Ju Yang, Jeong-Ah Kim, *et al. Journal of Life Science* 2013,23(8): 1025-31.

## **[ Contact ]**

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