

## 2-Hydroxy-1-methoxyanthraquinone Datasheet

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

### [ Product Information ]

**Name:** 2-Hydroxy-1-methoxyanthraquinone

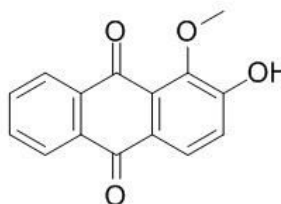
**Catalog No.:** CFN92111

**Cas No.:** 6170-06-5

**Purity:** > 95%

**M.F:** C<sub>15</sub>H<sub>10</sub>O<sub>4</sub>

**M.W:** 254.24



**Physical Description:** Yellow powder

**Synonyms:** 2-Hydroxy-1-methoxyanthracene-9,10-dione.

### [ Intended Use ]

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

### [ Source ]

The roots of *Morinda officinalis*.

### [ Biological Activity or Inhibitors ]

2-Hydroxy-1-methoxy- anthraquinone can promote osteoblast proliferation, and can inhibit

osteoclast TRAP activity and bone resorption, suggests that it has antiosteoporotic activity.<sup>[1]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Acetonitrile-0.2% Phosphoric acid in water, gradient elution ;

Flow rate: 0.8 ml/min;

Column temperature: 30 °C;

The wave length of determination: 277 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Wu Y B, Zheng C J, Qin L P, *et al. Molecules*, 2008, 14(1):573-83.

[2] Shi J, Liu Z H, Wang L, *et al. Angewandte Chemie*, 2015, 48(27):5077–81.

## **[ Contact ]**

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