

## Dantron Datasheet

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

### [ Product Information ]

**Name:** Dantron

**Catalog No.:** CFN99271

**Cas No.:** 117-10-2

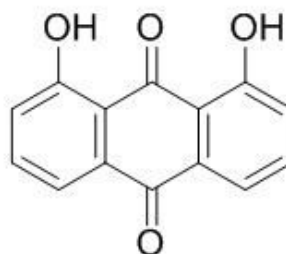
**Purity:** >=98%

**M.F:** C<sub>14</sub>H<sub>8</sub>O<sub>4</sub>

**M.W:** 240.2

**Physical Description:** Orange powder

**Synonyms:** 1,8-Dihydroxyanthraquinone.



### [ Intended Use ]

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

### [ Source ]

The roots of *Rheum palmatum*.

### [ Biological Activity or Inhibitors ]

1,8-Dihydroxyanthraquinone(Dantron) can cause a significant reduction in the growth rate of Earthworms, it has potentially dangerous to the soil ecosystem.<sup>[1]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol- 0.1%Phosphoric acid in H<sub>2</sub>O =80:20 ;

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] Huang L P, Chen J W, Bao Y M, *et al. Chinese Journal of Clinical Rehabilitation*, 2005, 9(15):225-7.

[2] Xiao J, Yang J, Gao S W, *et al. Chinese Journal Of Food Hygiene*, 2010, 22(1):27-30.

## **[ Contact ]**

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