

## Norsanguinarine Datasheet

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

### [ Product Information ]

**Name:** Norsanguinarine

**Catalog No.:** CFN92811

**Cas No.:** 522-30-5

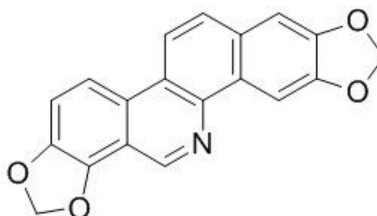
**Purity:** >=96%

**M.F:** C<sub>19</sub>H<sub>11</sub>NO<sub>4</sub>

**M.W:** 317.1

**Physical Description:** Powder

**Synonyms:** [1,3]Benzodioxolo[5,6-c][1,3]dioxolo[4,5-i]phenanthridine.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Chelidonium majus*.

### [ Biological Activity or Inhibitors ]

Norsanguinarine shows significant cytotoxic activities (ED (50) values < 4 microg/ml)

against P-388, KB16, A549, and HT-29 cell lines.<sup>[1]</sup>

Norsanguinarine has antifungal activity, it exhibits 100 % inhibition of *A. brassicicola* and *C. maculans* at 1000 ppm whereas.<sup>[2]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]**

Not data available.

### **[ Storage ]**

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

### **[ References ]**

[1] Chen J J, Duh C Y, Chen I S. *Planta Med.*, 1999, 65(7):643-7.

[2] Singh S, Jain L, Pandey M B, *et al. Folia Microbiol.*, 2009, 54(3):204-6.

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