

## Sideroxylin Datasheet

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

### [ Product Information ]

**Name:** Sideroxylin

**Catalog No.:** CFN98394

**Cas No.:** 3122-87-0

**Purity:** >=98%

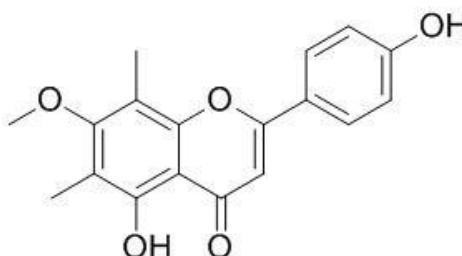
**M.F:** C<sub>18</sub>H<sub>16</sub>O<sub>5</sub>

**M.W:** 312.3

**Physical Description:** Yellow powder

**Synonyms:** 5-Hydroxy-2-(4-hydroxyphenyl)-7-methoxy-6,8-dimethylchromen-4-one;

5,4'-Dihydroxy-7-methoxy-6,8-dimethylflavone.



### [ Intended Use ]

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

### [ Source ]

The leaves of *Eucalyptus robusta* Smith.

### [ Biological Activity or Inhibitors ]

Sideroxylin can synergistically enhance the antimicrobial activity of the alkaloid berberine (also a constituent of *H. canadensis*) against *Staphylococcus aureus* by inhibition of the NorA multidrug resistance pump.<sup>[1]</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] Junio H A, Sycordero A A, Etefagh K A, et al. *J. Nat. Prod.*, 2011 Jul 22;74(7):1621-9.

### **[ Contact ]**

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