

## 2,3-Dehydrokievitone Datasheet

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

### [ Product Information ]

**Name:** 2,3-Dehydrokievitone

**Catalog No.:** CFN97223

**Cas No.:** 74161-25-4

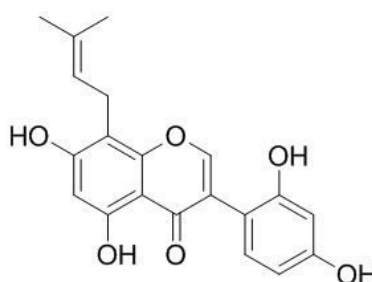
**Purity:** > 95%

**M.F:** C<sub>20</sub>H<sub>18</sub>O<sub>6</sub>

**M.W:** 354.35

**Physical Description:** Yellow powder

**Synonyms:** 3-(2,4-dihydroxyphenyl)-5,7-dihydroxy-8-(3-methylbut-2-en-1-yl)-4H-chromen-4-one.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Erythrina arborescens*.

### [ Biological Activity or Inhibitors ]

2,3- Dehydrokievitone exhibits strong cytotoxic activity and induces apoptosis efficiently in cancer cells.<sup>[1]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]<sup>[1]</sup>**

MPLC:

Mobile phase: Methanol -H<sub>2</sub>O, gradient elution ;

Flow rate: 10 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] Yoon K H, Park K J, Yin J, *et al. Rec. Nat. Prod.*, 2016, 10(4):441-51.

### **[ Contact ]**

**Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)