

## Encecalin Datasheet

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

### [ Product Information ]

**Name:** Encecalin

**Catalog No.:** CFN98036

**Cas No.:** 20628-09-5

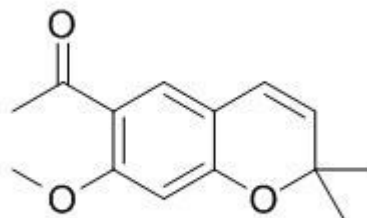
**Purity:** > 95%

**M.F:** C<sub>14</sub>H<sub>16</sub>O<sub>3</sub>

**M.W:** 232.3

**Physical Description:** Oil

**Synonyms:** 1-(7-Methoxy-2,2-dimethylchromen-6-yl)ethanone; 6-Acetyl-7-methoxy-2,2-dimethylchromene.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Centaurea solstitialis* L.

## **[ Biological Activity or Inhibitors ]**

Encecalin and demethylenencecalin are major phytotoxic compounds isolated from *Helianthella quinquenervis* (Hook) A Gray (Asteraceae), they inhibit photosystem II (from water to 2,5-dibromo-3-methyl-6-isopropyl-1,4 p-benzo-quinone).<sup>[1]</sup>

Encecalin and eupatoriochromene retard seed germination and reduce radicle and hypocotyl growth of weed and crop plant seedlings.<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] Castañeda P, Mata R, Lotina-Hennsen B. *Journal of the Science of Food & Agriculture*, 1998,78(1):102-8.

[2] Merrill G B. *Journal of Chemical Ecology*,1989,15(7):2073-87.

## **[ 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)