

## Kansuiphorin C Datasheet

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

### [ Product Information ]

**Name:** Kansuiphorin C

**Catalog No.:** CFN92861

**Cas No.:** 133898-77-8

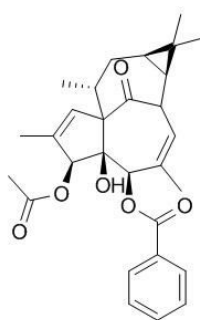
**Purity:** >=95%

**M.F:** C<sub>29</sub>H<sub>34</sub>O<sub>6</sub>

**M.W:** 478.6

**Physical Description:** Powder

**Synonyms:**



### [ Intended Use ]

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

### [ Source ]

The roots of *Euphorbia kansui*.

### [ Biological Activity or Inhibitors ]

Kansuiphorin C and 3-O-(2'E,4'Z-decadienoyl)-ingenol exhibit significant anticomplement

activity with respective 50% inhibitory concentration values of 44.1±3.8 and 89.5±5.5 uM.<sup>[1]</sup>

Kansuiphorin C has cytotoxic, could be as anti-tumor agents.<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Petroleum ether- Ethyl acetate, gradient elution ;

Flow rate: 15 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 232 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Li G, Kim J H, Shen G, *et al. Appl. Biol. Chem.*, 2011, 54(2):159-62.

[2] Pan D J, Hu C Q, Chang J J, *et al. Phytochemistry*, 1991, 30(3):1018-20.

[3] Zhang L, Gao L, Li Z, *et al. Int .J. Mol. Sci.*, 2011, 13(9):11247-59.

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