

## Macrocarpal C Datasheet

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

### [ Product Information ]

**Name:** Macrocarpal C

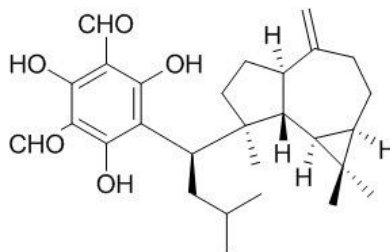
**Catalog No.:** CFN99469

**Cas No.:** 142628-53-3

**Purity:** > 95%

**M.F:** C<sub>28</sub>H<sub>38</sub>O<sub>5</sub>

**M.W:** 454.60



**Physical Description:** Yellow powder

**Synonyms:** 2,4,6-trihydroxy-5-[(1R)-3-methyl-1-[(1aR,4aR,7S,7aR,7bR)-1,1,7-trimethyl-4-methylidenedecahydro-1H-cyclopropa[e]azulen-7-yl]butyl]benzene-1,3-dicarbaldehyde.

### [ Intended Use ]

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

### [ Source ]

The branch of *Eucalyptus globulus*.

### [ Biological Activity or Inhibitors ]

Macrocarpal C, isolated from the fresh leaves of *Eucalyptus globulus* Labill. (Lan An) and identified as its major antifungal component by bioassay-guided purification, the antifungal action of macrocarpal C was associated with increases of membrane permeability, intracellular ROS and DNA fragmentation. <sup>[1]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]**

Not data available.

### **[ Storage ]**

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

### **[ References ]**

[1] Wong J H. *Chinese Medicine*, 2015, 10(1):1-7.

### **[ Contact ]**

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