

## Eichlerialactone Datasheet

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

### [ Product Information ]

**Name:** Eichlerialactone

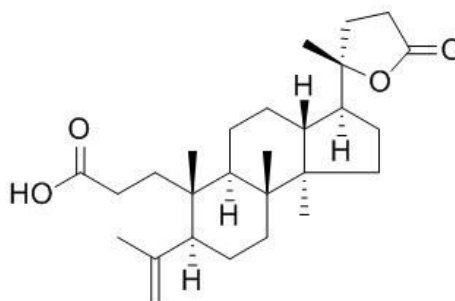
**Catalog No.:** CFN98092

**Cas No.:** 2202-01-9

**Purity:** > 95%

**M.F:** C<sub>27</sub>H<sub>42</sub>O<sub>4</sub>

**M.W:** 430.6



**Physical Description:** Powder

**Synonyms:** 20-Hydroxy-4,8,14-trimethyl-4-methylene-18-nor-3,4-seco-5 $\beta$ -cholane-3,24-dioic acid  $\gamma$ -lactone.

### [ Intended Use ]

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

### [ Source ]

The herbs of *Aglaia erythrosperma*.

### [ Biological Activity or Inhibitors ]

Eichlerialactone and ethyl eichlerianoate show antimycobacterial activity against mycobacterium tuberculosis H37Ra, with minimum inhibitory concentration in the range of 25–50ug/mL.<sup>[1]</sup>

Eichlerialactone is weakly cytotoxic to a breast cancer (BC) cell line.<sup>[2]</sup>

Eichlerialactone exhibits good antibacterial activity against both the Gram-positive pathogens.<sup>[3]</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] Jarinporn Phongmaykin, Takuya Kumamoto, Tsutomu Ishikawa, *et al. Nat. Prod. Res.*, 2011, 25(17):1621-8.

[2] Phongmaykin J, Kumamoto T, Ishikawa T, *et al. Arch. Pharm. Res.*, 2008, 31(1):21-7.

[3] Joycharat N, Thammavong S, Voravuthikunchai S P, *et al. Nat. Prod. Res.*, 2014;28 (23):2169-72.

## **[ Contact ]**

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