

## Evodol Datasheet

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

### [ Product Information ]

**Name:** Evodol

**Catalog No.:** CFN98214

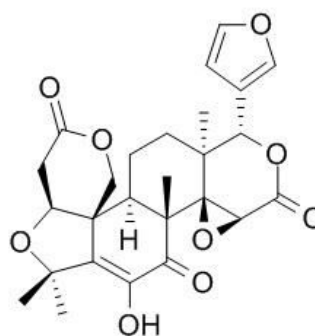
**Cas No.:** 22318-10-1

**Purity:** > 95%

**M.F:** C<sub>26</sub>H<sub>28</sub>O<sub>9</sub>

**M.W:** 484.5

**Physical Description:** Cryst.



**Synonyms:**[(3S,8S,9S,10R,13S,14S,16R,17R)-17-acetyl-16-(aziridin-1-yl)-10,13-dimethyl-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-yl]acetate.

### [ Intended Use ]

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

### [ Source ]

The fruits of *Evodia rutaecarpa*.

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

Evodol and limonin possess larvicidal activity against the Asian tiger mosquitoes with LC<sub>50</sub> values of 52.22 and 32.43 ug/ml, respectively.<sup>[1]</sup>

Evodol shows inhibitory activity on nitric oxide (NO) production in lipopolysaccharide-activated RAW264.7 macrophages, suggests that it may as an anti-inflammatory agent or lead compound.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Acetonitrile-H<sub>2</sub>O=52:48;

Flow rate: 1.0 ml/min;

Column temperature: 30°C;

The wave length of determination: 276 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Liu Z L, Liu Q Z, Du S S, *et al. Parasitol. Res.*, 2012 Sep; 111(3): 991-6.

[2] Yang X B, Qian P, Yang X W, *et al. J. Asian Nat. Prod. Res.*, 2013; 15(10): 1130-8.

[3] Yang X W, Teng J, Zhao B, *et al. Chinese Herbal Medicines*, 2009, 1(1): 53-8.

## **[ Contact ]**

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