

## Arteannuin L Datasheet

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

### [ Product Information ]

**Name:** Arteannuin L

**Catalog No.:** CFN98043

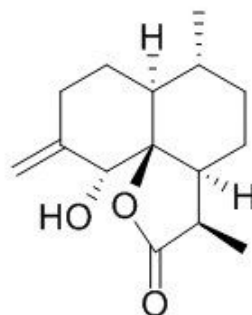
**Cas No.:** 207446-89-7

**Purity:** > 95%

**M.F:** C<sub>15</sub>H<sub>22</sub>O<sub>3</sub>

**M.W:** 250.3

**Physical Description:** Powder



**Synonyms:** Arsinous acid, dimethyl-, 2-hydroxyethyl ester; (3R,3aS,6R,6aS,10R,10aS)-10-Hydroxy-3,6-dimethyl-9-methylenedecahydro-2H-naphtho[8a,1-b]furan-2-one.

### [ Intended Use ]

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

### [ Source ]

The herbs of *Artemisia annua*.

### [ Biological Activity or Inhibitors ]

Arteannuin can degrade the level of TNF- $\alpha$  in rats with ostarthritis,and effectively inhibit the inflammation.<sup>[1]</sup>

Arteannuin has antimalarial activity.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: 50% Methanol in water- 0.02% Trifluoroacetic acid in water,gradient elution;

Flow rate:0.5 ml/min;

Column temperature: 30℃;

The wave length of determination:279 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] He W T, Shan N N, Dong H J, *et al. Journal of Xinxiang Medical College*, 2012, 29(11): 813-4.

[2] Zhou W S, Xu S J, Zhang L. *Acta Chimica Sinica*,1989, 47(4):340-4.

[3] Xue H B, Jiao Y N, Pang G W, *et al. Journal of Sichuan University*, 2009, 41(4):119-24.

## **[ Contact ]**

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