

Arteannuin M Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Arteannuin M

Catalog No.: CFN98044

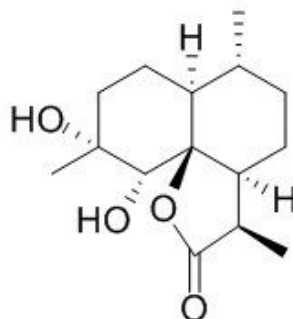
Cas No.: 207446-90-0

Purity: > 95%

M.F: C₁₅H₂₄O₄

M.W: 268.4

Physical Description: Powder



Synonyms: (3R,3aS,6R,6aS,9R,10R,10aS)-9,10-Dihydroxy-3,6,9-trimethyldecahyd
ro-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- α in rats with ostarthritis,and effectively inhibit the inflammation.^[1]

Arteannuin has antimalarial activity.^[2]

[Solvent]

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

[HPLC Method]^[3]

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

Flow rate:0.5 ml/min;

Column temperature: 30°C;

The wave length of determination:279 nm.

[Storage]

2-8°C, 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.

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