

Arteannuin B Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Arteannuin B

Catalog No.: CFN98807

Cas No.: 50906-56-4

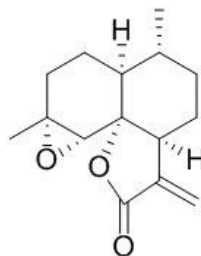
Purity: >=98%

M.F: C₁₅H₂₀O₃

M.W: 248.32

Physical Description: Powder

Synonyms: (7R)-7,9a-dimethyl-4-methylidenedecahydro-3H-oxireno[7,8]naphtho[8a,1-b]furan-3-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 B is a member of the qinghaosu family, a novel class of sesquiterpenes that exhibit powerful antimalarial activity even against chloroquine resistant strains, it is readily convertible to qinghaosu in several high yielding steps and has potential antitumor activity.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O=60:40 ;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 220 nm.

[Storage]

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

[References]

[1] Schwaebe M K, Little R D. *8. IUPAC symposium on organometallic chemistry directed towards organic synthesis, Santa Barbara, CA (United States), 6-10 Aug 1995.*

[2] Wang M, Lan Y, Dong Z. *Journal of Chinese Pharmaceutical Sciences, 2006, 41(22):1698-700.*

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