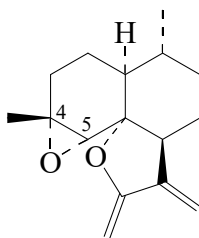




>>Entry Name: Arteannuin B

Synonym(s): Arteannuin C. Qing Hau Sau II



CAS Registry Number: 50906-56-4

Related CAS Registry Numbers(s): 107172-37-2

Molecular Formula: C₁₅H₂₀O₃

Molecular Weight: 248.321

Accurate Mass: 248.141245

Percentage Composition: C 72.55%; H 8.12%; O 19.33%

General Statement: Arteannuin C was formerly considered to be the 4,5-diepimer, later shown to be identical with Arteannuin B

Biological Source: Constit. of *Artemisia annua*

Biological Use/Importance: Shows antifungal activity

Physical Description: Cryst.

Melting Point: Mp 152°

Optical Rotation: [α]_D²⁰ -6

UV: [neutral] $\lambda_{\max}$ 204 (ϵ 13700) (solvent not reported) (Derep)

>>Derivative: Deepoxy, 4,5-didehydro

Synonym(s): Deoxyarteannuin B. Deoxyisoartemisinin C

CAS Registry Number: 128301-55-3

Molecular Formula: C₁₅H₂₀O₂

Molecular Weight: 232.322

Accurate Mass: 232.14633

Percentage Composition: C 77.55%; H 8.68%; O 13.77%

Biological Source: Constit. of *Artemisia annua*

>>Derivative: Deepoxy, 4,5-didehydro, 6-epimer

Synonym(s): Epideoxyarteannuin B. Deoxyisoartemisinin B

CAS Registry Number: 84237-06-9

Molecular Formula: C₁₅H₂₀O₂

Molecular Weight: 232.322

Accurate Mass: 232.14633

Percentage Composition: C 77.55%; H 8.68%; O 13.77%

Biological Source: Constit. of *Artemisia annua*. Component of Qing Hao

Physical Description: Oil

Optical Rotation: [α]_D¹⁰ +153 (MeOH)

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