

# Deoxy Artemisinin: sc-207521



The Power to Question

## Material Safety Data Sheet

### Section 1

**Chemical Name** Deoxy Artemisinin

**Synonyms** (3R,3aS,6R,6aS,9S,10aS,10bR)-Octahydro-3,6,9-trimethyl-10aH-9,10b-epoxypyran[4,3,2-jk][2]benzoxepin-2(3H)-one; Deoxyarteannuin; Deoxyartemisinin; Deoxyqinghaosu; Desoxyartemisinin; Hydroarteannuin; Qing Hau Sau III;

**Cas Reg. No** 72826-63-2

**Catalog Nbr** sc-207521

**Supplier** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, California 95060  
800.457.3801 or 831.457.3800

**Emergency** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255  
(1-800-CHEMCALL) or call +613 9573 3112

### Section 2 - Hazardous Ingredients/Identity Information

The toxicological properties have not been thoroughly investigated. Exercise due care.

### Section 3 - Physical/Chemical Characteristics

**Boiling Point** N/A

**Vapor Pressure** N/A

**Vapor Density** N/A

**Solubility in Water** N/A

**Appearance and Odor** White Solid

**Specific Gravity(H<sub>2</sub>O=1)** N/A

**Melting Point** 104-106°C

**Evaporation Rate (Butyl Acetate=1)** N/A

### Section 4 - Reactive Data

**Stability** Stable, store in freezer under inert gas

**Incompatibility  
(Materials to Avoid)**

Strong oxidizing agents

**Conditions to Avoid** Strong oxidizing agents

**Hazardous  
Decomposition or  
Byproducts** toxic fumes of: carbon monoxide,  
carbon dioxide

**Hazardous Polymerization** will not occur

### Section 5 - Control Measures

**Respiratory Protection** Niosh/Msha approved respirator

**Ventilation**

hood

**Protective Gloves** Chemical Resistant Gloves

**Eye Protection**

Safety Goggles

**Other Protective Clothing** lab coat and apron

**Other Protection**

safety shower, eye wash

### Section 6 - First Aid Measures

**Inhalation** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Skin** Immediately flush skin with copious amounts of water for at least 15 min while removing contaminated clothing and shoes.

**Ingestion** If swallowed, wash out mouth with water provided person is conscious. Call a physician. Remove and wash contaminated clothing immediately.

**Eyes** Immediately flush eyes with copious amounts of water for at least 15 min. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## Section 7 - Health Hazard Data

*Health Hazards  
(Acute and Chronic)*

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care.

### ROUTE OF EXPOSURE

**Skin Contact:** May cause skin irritation.

**Skin Absorption:** May be harmful if absorbed through the skin.

**Eye Contact:** May cause eye irritation.

**Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

**Ingestion:** May be harmful if swallowed.

An analogue of Artemisinin, an antimalarial agent.

<i>Medical Conditions Generally Aggravated by Exposure</i>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
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## Section 8 - Precautions for Safe Handling and Use

<i>Steps to be Taken in Case Material is Released or Spilled</i>	Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.
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<i>Waste Disposal Method</i>	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.
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<i>Precautions to Be Taken in Handling and Storage</i>	Keep tightly closed. Store in a cool dry place. Possible mutagen. Irritant.
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## Section 9 - Fire and Explosion Hazard Data

<i>Extinguishing Media</i>	Water spray. Carbon Dioxide, dry chemical powder or appropriate foam.
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<i>Special Fire Fighting Procedures</i>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
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<i>Unusual Fire and Explosion Hazards</i>	Emits Toxic fumes under fire conditions.
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## Section 10 - Transportation Information and regulatory information

**DOT**  
**Proper Shipping Name:** None  
**Non-Hazardous for Transport:** This substance is considered to be non-hazardous for transport.

**IATA**  
**Non-Hazardous for Air Transport:** Non-hazardous for air transport.  
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We will not be held responsible for any damage resulting from handling or contact with the chemical described.

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*