

# 2'-Deoxy-5-hydroxyuridine: sc-283473



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 2'-Deoxy-5-hydroxyuridine  
**Product Number:** sc-283473  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 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

### 2. HAZARDS IDENTIFICATION

**Classification:**

The toxicological properties of this material have not been fully investigated.

**Potential health effects**

<b>Eye</b>	May cause eye irritation.
<b>Skin</b>	May be harmful by skin absorption. May cause skin irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Chronic</b>	No information found.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:** 5-hydroxy-2'-deoxyuridine  
**Formula:** C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>6</sub>  
**Molecular weight:** 244.20  
**CAS #:** 5168-36-5

### 4. FIRST AID MEASURES

**If inhaled**

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.

**In case of skin contact**

Get medical aid. Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.

**In case of eye contact**

Immediately flush eye with copious amounts of water for at least 15 minutes. Get medical aid immediately.

**If swallowed**

Never give anything by mouth to an unconscious person. Wash out mouth with water provided person is conscious. Call a physician.

### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media**

In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Special protective equipment for firefighters**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

### **Hazardous combustion products**

The following can be given off in a fire: oxides of carbon.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Use proper personal protective equipment as indicated in Section 8.

### **Environmental precautions**

Do not let product enter the drains.

### **Methods and materials for containment and clean up**

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

### **Conditions for safe storage**

## **8. EXPOSURE CONTROL/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

#### **Respiratory protection**

Follow the OSHA respirator regulations as European Standard EN 149 approved respirator when necessary. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

#### **Hand protection**

Wear appropriate protective gloves to prevent skin exposure, as defined in EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Skin and body protection**

Wear appropriate protective gloves to prevent skin exposure.

#### **Eye protection**

Wear appropriate protective eyeglasses, chemical safety goggles or face-shield (min. 8-inch) as described by OSHA's eye and face protection regulations.

#### **Hygiene measures**

Use good working practices. Wash hands and face thoroughly after handling.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	solid	Odor:	no data available
Odor threshold:	no data available	pH:	no data available
Melting point:	no data available	Boiling point:	no data available
Flash point:	no data available	Evaporation rate:	no data available
Flammability:	no data available	Explosive limits:	no data available
Vapor pressure:	no data available	Vapor density:	no data available
Density:	no data available	Solubility:	no data available
Auto-ignition temperature:	no data available	Decomposition temperature:	no data available
Partition coefficient: n-octanol/water	no data available	Viscosity:	no data available

## **10. STABILITY AND REACTIVITY**

### **Chemical stability**

Stable under recommended storage conditions

### **Materials to avoid**

Strong oxidizing agents, acids.

**Conditions to avoid**

no data available

**Hazardous decomposition products**

Carbon oxides, nitrogen oxides.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Signs and symptoms of exposure**

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

**Potential health effects**

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**Additional information**

RTECS: no data available

**12. ECOLOGICAL INFORMATION**

Data not available.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with federal, state, and local regulations.

**14. TRANSPORT INFORMATION****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**15. REGULATORY INFORMATION**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

## **16. OTHER INFORMATION**

*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.*

12/03/2013