

# all-trans 5,6-Epoxy Retinoic Acid: sc-210777



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - General Information

**Chemical Name:**

all-trans 5,6-Epoxy Retinoic Acid

**CAS Reg. Number:**

13100-69-1

**Catalog Number:**

sc-210777

**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

### Section 2 - Hazardous Ingredients/Identity Information

**Target Organ(s):** Eyes. Nerves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. Do not breathe dust.

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

N/A

**Form:**

Solid

**Vapor Pressure:**

N/A

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

N/A

**Molecular Formula:**

C<sub>20</sub>H<sub>28</sub>O<sub>3</sub>

**Solubility in Water:**

N/A

**Melting Point:**

171-174° C

**Evaporation Rate (ButylAcetate=1):**

N/A

**Vapor Density:**

N/A

**Molecular Weight:**

316.43

### Section 4 - Reactive Data

**Stability:**

stable, light and moisture sensitive store under inert gas

**Incompatibility (Materials to Avoid):**

strong oxidizing agents

**Conditions to Avoid:**

protect from light

**Hazardous Decomposition or Byproducts:**

carbon monoxide, carbon dioxide

**Hazardous Polymerization:**

will not occur

### Section 5 - Control Measures

**Respiratory Protection:**

Niosh/Msha approved respirator

**Protective Gloves:**

Chemical resistant gloves

**Other Protective Clothing:**

Lab coat or apron

**Ventilation:**

Hood

**Eye Protection:**

chemical safety goggles

**Other Protection:**

safety shower and eye bath

## ***Section 6 - First Aid Measures***

### **Inhalation:**

Remove to fresh air. If breathing becomes difficult, call a Physician.

### **Skin:**

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

### **Ingestion:**

If swallowed, wash out mouth with water provided person is conscious. Call a Physician.

### **Eyes:**

flush eyes with copious amounts of water for at least 15 minutes. 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.

A metabolite of all-trans Retinoic acid.

### **Medical Conditions Generally Aggravated by Exposure:**

Gastrointestinal; Musculo-Skeletal; Skin & Appendages; Immunological including Allergic; Paternal effects; effects on Fertility; Effects on Embryo or Fetus; Specific Development abnormalities; Effects on Newborn.

## ***Section 8 - Precautions for Safe Handling and Use***

### **Steps to be Taken in Case Material is Released or Spilled:**

wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### **Waste Disposal Method:**

dissolve or mix 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

### **Precautions to Be Taken in Handling and Storage:**

wear appropriate NIOSH/MSHA-approved respirator. Chemical-resistant gloves, safety goggles, other protective clothing. use only in a chemical fume hood. Oxidizes in the presence of air, store under nitrogen. Store at -20° C.

## ***Section 9 - Fire and Explosion Hazard Data***

### **Extinguishing Media:**

water spray. Carbon Dioxide, dry chemical powder or appropriate foam.

### **Special Fire Fighting Procedures:**

wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Unusual Fire and Explosion Hazards:**

Not determined.

## ***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 complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.***

4/20/2011