

# Biotinyl Cystamine: sc-210924



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical and Company Information

<i>Chemical Name</i>	<b>Biotinyl Cystamine</b>		
<i>Catalog Number</i>	<b>sc-210924</b>		
<i>CAS#</i>	<b>128915-82-2</b>		
<i>Synonyms</i>	<b>(3aS,4S,6aR)-N-[2-[(2-Aminoethyl)dithio]ethyl]hexahydro-2-oxo-1H-thieno[3,4-d]imidazole-4-pentanamide;</b>		
<i>Supplier</i>	<b>Santa Cruz Biotechnology, Inc. 2145 Delaware Avenue Santa Cruz, California 95060 800.457.3801 or 831.457.3800</b>	<i>Emergency</i>	<b>ChemWatch Within the US &amp; Canada: 877-715-9305 Outside the US &amp; Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112</b>

### Section 2 - Hazardous Ingredients / Identity Information

**EMERGENCY OVERVIEW**  
TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. EXERCISE DUE CARE.

### Section 3 - Physical/Chemical Characteristics

<i>Boiling Point</i>	<b>N/A</b>	<i>Appearance and Odor</i>	<b>N/A</b>
<i>Vapor Pressure</i>	<b>N/A</b>	<i>Specific Gravity(H<sub>2</sub>O=1)</i>	<b>N/A</b>
<i>Vapor Density</i>	<b>N/A</b>	<i>Melting Point</i>	<b>N/A</b>
<i>Solubility in Water</i>	<b>N/A</b>	<i>Evaporation Rate (Butyl Acetate=1)</i>	<b>N/A</b>

### Section 4 - Reactive Data

<i>Stability</i>	<b>Good</b>	<i>Incompatibility (Materials to Avoid)</i>	<b>Strong acids strong oxidizing agents</b>
<i>Conditions to Avoid</i>	<b>Strong acids strong oxidizing agents</b>	<i>Hazardous Polymerization</i>	<b>will not occur</b>
<i>Hazardous Decomposition or Byproducts</i>	<b>Toxic fumes of carbon monoxide and carbon dioxide, nitrogen oxides and sulfur oxides</b>		

### Section 5 - Control Measures

<i>Respiratory Protection</i>	<b>niOSH/msHA approved respirator</b>	<i>Ventilation</i>	<b>hood</b>
<i>Protective Gloves</i>	<b>chemical resistant gloves</b>	<i>Eye Protection</i>	<b>safety goggles</b>
<i>Other Protective Clothing</i>	<b>lab coat/apron</b>	<i>Other Protection</i>	<b>safety shower, eye wash</b>

### Section 6 - First Aid Measures

<i>Inhalation</i>	<b>if inhaled, remove to fresh air. if breathing becomes difficult, call a physician.</b>
<i>Skin</i>	<b>in case of skin contact, flush with copious amounts of water for at least 15 minutes. remove contaminated clothing and shoes.</b>
<i>Ingestion</i>	<b>if swallowed, wash out mouth with water provided person is conscious. call a physician.</b>
<i>Eyes</i>	<b>in case of contact with eyes, flush with copious amounts of water for at least 15 min.. assure adequate flushing by separating eyelids.</b>

### Section 7 - Health Hazard Data

*Health Hazards (Acute and Chronic)*

#### ROUTE OF EXPOSURE

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

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

**Inhalation:** Material may be irritating to mucous membranes and upper respiratory tract.

**Multiple Routes:** May be harmful by inhalation, ingestion, or skin absorption.

#### SIGNS AND SYMPTOMS OF EXPOSURE

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

**A photoaffinity label ligand crosslinking.**

*Medical Conditions Generally Aggravated by Exposure*      **To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.**

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

*Steps to be Taken in Case Material is Released or Spilled*      **wear protective equipment. 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 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.**

*Precautions to Be Taken in Handling and Storage*      **mechanical exhaust required. do not breath dust. avoid contact with eyes, skin and clothing. keep tightly closed. store in a cool dry place.**

**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*      **Emits toxic fumes in fire conditions**

**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.*

9/29/2010