

# 2',3'-Isopropylidene Adenosine-5'-carboxylic Acid: sc-206552



The Power to Question

## Material Safety Data Sheet

### Section 1

**Chemical Name** 2',3'-Isopropylidene Adenosine-5'-carboxylic Acid

**Synonyms** 1-(6-Amino-9H-purin-9-yl)-1-deoxy-2,3-O-(1-methylethylidene)-β-D-ribofuranuronic Acid; NSC 143678;

**Cas Reg. No** 19234-66-3

**Catalog Nbr** sc-206552

**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!

**NFPA RATING**

**HEALTH: 0, FLAMMABILITY: 0, REACTIVITY: 0**

### 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 to Off-White Solid

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

N/A

**Melting Point**

276-279°C

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

### Section 4 - Reactive Data

**Stability** Stable

**Incompatibility**  
(Materials to Avoid)

Strong oxidizing agents

**Conditions to Avoid** Strong oxidizing agents

**Hazardous**  
**Decomposition or**  
**Byproducts**

Toxic fumes of carbon dioxide, carbon  
monoxide, nitrogen oxides

**Hazardous Polymerization**

will not occur

### Section 5 - Control Measures

**Respiratory Protection** Niosh/Msha approved respirator

**Ventilation**

Hood

**Protective Gloves** Chemical resistant gloves

**Eye Protection**

chemical safety goggles

**Other Protective Clothing** Lab coat or apron

**Other Protection**

safety shower and eye bath

### Section 6 - First Aid Measures

**Inhalation**

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

**Skin**

Rinse with copious amounts of water for 15 minutes. Remove contaminated clothing and shoes.

**Ingestion**

Rinse mouth out with water, provided the person is conscious. Seek medical attention.

**Eyes**

Flush eyes with copious amounts of water, separating eyelids with fingers.

## Section 7 - Health Hazard Data

Health Hazards  
(Acute and Chronic)

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

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

### SIGNS AND SYMPTOMS OF EXPOSURE

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

Used in the preparation of nucleosides as adenosine A3 receptor agonists.

Medical Conditions      May cause irritation  
Generally Aggravated by  
Exposure

## Section 8 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled      wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method      Dispose of in accordance with all federal, state and local environmental regulations.

Precautions to Be Taken in Handling and Storage      Store in a cool, dry and well ventilated area. Keep all containers securely closed when not in use.

## Section 9 - Fire and Explosion Hazard Data

Extinguishing Media      Water; Carbon dioxide; dry powder

Special Fire Fighting Procedures      Use water spray to cool fire - exposed containers and structures. Use water spray to disperse any vapors; reignition is always a potential. Use self-contained breathing apparatus as described above.

Unusual Fire and Explosion Hazards      Toxic fumes are emitted under fire conditions consisting of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur dioxide.

## Section 10 - Transportation Information and regulatory information

### Transportation 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.*