



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Ribose-5-phosphate Barium Salt: sc-296268



The Power to Question

## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Ribose-5-phosphate Barium Salt

**Product Number:** sc-296268r

**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. HAZARD(S) IDENTIFICATION

**OSHA Haz Com: CFR 1910.1200: Acute Toxicity - Oral [Category 3]**

Acute Toxicity - Inhalation [Category 3]

**Signal word:** Danger!

**Hazard Statement(s):**

Toxic if swallowed

Toxic if inhaled

**Pictogram(s) or Symbol(s):**



**Precautionary Statement(s):**

**Prevention:**

Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Do not breathe dusts or mists. Use only outdoors or in a well-ventilated area.

**Response:**

**If swallowed:** Immediately call a poison center or doctor. Rinse mouth.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor.

**Storage:**

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**Disposal:**

Dispose of contents and container in accordance with US EPA guidelines for the classification and determination of hazardous waste listed in 40 CFR 261.3. (See Section 13)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Formula:** C<sub>5</sub>H<sub>9</sub>BaO<sub>8</sub>P

**Components:** Ribose-5-phosphate Barium Salt Hydrate

**Percent:** >95.0%(T)

**CAS Number:** 15673-79-7

**Molecular Weight:** 365.42

## 4. FIRST-AID MEASURES

### **Inhalation:**

Immediately call a poison center or doctor. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### **Skin contact:**

Immediately call a poison center or doctor. Remove and wash contaminated clothing before re-use. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### **Eye contact:**

If this chemical contacts the eyes, immediately wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper eyelids. If eye irritation persists get medical advice/attention. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### **Ingestion:**

Toxic if swallowed. Call a physician or Poison Control Center immediately. Do not use mouth-to-mouth method if victim ingested the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### **Symptoms/effects:**

Acute: No data available

Delayed: No data available

### **Immediate medical attention:**

WARNING: It might be dangerous to the person providing aid to give mouth-to-mouth respiration, because the inhaled material is toxic. If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

## 5. FIRE-FIGHTING MEASURES

### **Suitable extinguishing media:**

Dry chemical, CO<sub>2</sub> or water spray. Consult with local fire authorities before attempting large scale fire fighting operations.

### **Specific hazards arising from the chemical**

#### **Hazardous combustion products:**

These products include: Carbon oxides Phosphates Metallic oxides

#### **Other specific hazards:**

Closed containers may explode from heat of a fire.

#### **Special precautions for fire-fighters:**

Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.

#### **Special protective equipment for fire-fighters:**

Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### Personal protective equipment:

Safety glasses. Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).

**Emergency procedures:** Prevent dust cloud. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.

### Methods and materials for containment and cleaning up:

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material.

### Environmental precautions:

Keep away from living quarters. Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Avoid inhalation of vapor or mist. Do not ingest. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.

### Conditions for safe storage:

Store locked up. Keep containers tightly closed in a cool, well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods. Store under inert gas (e.g. Argon). Moisture sensitive. Store in refrigerator.

### Storage incompatibilities:

Store away from oxidizing agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits:

No data available

### Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

### Personal protective equipment

#### Respiratory protection:

Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Safety glasses.

#### Skin and body protection:

Lab coat.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form (20°C):	Solid	Odor:	No data available
Odor threshold:	No data available	Melting point/freezing point:	No data available
Boiling point/range:	No data available	Vapor pressure:	No data available
Decomposition temperature:	No data available	Vapor Density:	No data available
Relative density:	No data available	Dynamic Viscosity:	No data available
Kinematic viscosity:	No data available	pH:	No data available
Flash point:	No data available	Autoignition temperature:	No data available
Flammability (solid, gas):	No data available	Flammability or explosive limits:	No data available
Solubility(ies):	Slightly water soluble	Partition coefficient:	No data available
Evaporation rate: (Butyl Acetate = 1)	No data available	n-octanol/water (log Pow)	

## 10. STABILITY AND REACTIVITY

### Reactivity:

Not Available.

### Chemical Stability:

Heat sensitive. Moisture sensitive.

### Possibility of Hazardous Reactions:

No hazardous reactivity has been reported.

### Conditions to avoid:

Exposure to moisture. Heat sensitive. Moisture sensitive.

### Incompatible materials:

Oxidizing agents

### Hazardous Decomposition Products:

No data available

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

No data available

### Skin corrosion/irritation:

No data available

### Serious eye damage/irritation:

No data available

### Respiratory or skin sensitization:

No data available

### Germ cell mutagenicity:

No data available

### Carcinogenicity:

IARC: No data available

NTP: No data available

OSHA: No data available

### Reproductive toxicity:

No data available

### Routes of Exposure:

Inhalation, Eye contact, Ingestion, Skin Contact.

### Symptoms related to exposure:

Skin contact may produce burns. Skin contact may result in inflammation; characterized by itching, scaling, reddening, or occasionally blistering. Eye contact can result in corneal damage or blindness.

### Potential Health Effects:

No specific information available; skin and eye contact may result in irritation. May be harmful if inhaled or ingested.

### Target organ(s):

No data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Fish: No data available

Crustacea: No data available

Algae: No data available

### Persistence and degradability:

No data available

### Bioaccumulative potential (BCF):

No data available

### Mobility in soil:

No data available

Partition coefficient: n-octanol/water (log Pow)

No data available

### Soil adsorption (Koc):

No data available

### Henry's Law: constant (PaM<sup>3</sup>/mol)

No data available

## 13. DISPOSAL CONSIDERATIONS

### Disposal of product:

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261.

### Disposal of container:

Dispose of as unused product.

### Other considerations:

Observe all federal, state and local regulations when disposing of the substance.

## 14. TRANSPORT INFORMATION

### DOT (US)

UN number: UN1564  
Proper Shipping Name: Barium compounds, n.o.s.  
Class or Division: 6.1 Toxic material.  
Packing Group: II

### IATA

UN number: UN1564  
Proper Shipping Name: Barium compound, n.o.s.  
Class or Division: 6.1 Toxic material.  
Packing Group: II

### IMDG

UN number: UN 1564  
Proper Shipping Name: Barium compound, n.o.s.  
Class or Division: 6 Toxic material.  
Packing Group: II  
EmS number: F-A, S-A

## 15. REGULATORY INFORMATION

### Toxic Substance Control Act (TSCA 8b.):

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.

(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

### US Federal Regulations

#### CERCLA Hazardous substance and Reportable Quantity:

SARA 313: Not Listed

SARA 302: Not Listed

#### State Regulations

Massachusetts: Not Listed

New Jersey: Not Listed

Pennsylvania: Not Listed

California Proposition 65: Not Listed

#### Other Information

##### NPFA Rating

Health: 2

Flammability: 0

Instability: 0

##### HMIS Classification

Health: 2

Flammability: 0

Physical: 0

#### International Inventories

##### WHMIS hazard class:

E: Corrosive material.

##### Notice Through Official Gazettes Reference Number: (Japan)

ENCS: Not Listed

## 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.*

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