



# 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

### SZABO-SCANDIC HandelsgmbH

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# $\beta$ -Nicotinamide mononucleotide: sc-212376



The Power to Question

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name :  $\beta$ -Nicotinamide mononucleotide

Product Number : sc-212376

Company : Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, California 95060  
800.457.3801 or 831.457.3800

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms :  $\beta$ -Nicotinamide ribose monophosphate  
NMN  
 $\beta$ -NMN  
Nicotinamide ribotide  
Nicotinamide-1-ium-1- $\beta$ -D-ribofuranoside 5'-phosphate

Formula :  $C_{11}H_{15}N_2O_8P$

Molecular Weight : 334.22 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
beta -Nicotinamide mononucleotide			
1094-61-7	214-136-5	-	-

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

##### OSHA Hazards

No known OSHA hazards

#### HMIS Classification

Health Hazard: 0  
Flammability: 0  
Physical hazards: 0

#### NFPA Rating

Health Hazard: 0  
Fire: 0  
Reactivity Hazard: 0

#### Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

<b>Skin</b>	<b>May be harmful if absorbed through skin. May cause skin irritation.</b>
<b>Eyes</b>	<b>May cause eye irritation.</b>
<b>Ingestion</b>	<b>May be harmful if swallowed.</b>

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#### **4. FIRST AID MEASURES**

**If inhaled**

**If breathed in, move person into fresh air. If not breathing give artificial respiration**

**In case of skin contact**

**Wash off with soap and plenty of water.**

**In case of eye contact**

**Flush eyes with water as a precaution.**

**If swallowed**

**Never give anything by mouth to an unconscious person. Rinse mouth with water.**

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#### **5. FIRE-FIGHTING MEASURES**

**Flammable properties**

**Flash point** no data available

**Ignition temperature** no data available

**Suitable extinguishing media**

**Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**

**Special protective equipment for fire-fighters**

**Wear self contained breathing apparatus for fire fighting if necessary.**

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#### **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

**Avoid dust formation.**

**Environmental precautions**

**Do not let product enter drains.**

**Methods for cleaning up**

**Sweep up and shovel. Keep in suitable, closed containers for disposal.**

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#### **7. HANDLING AND STORAGE**

**Handling**

**Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.**

**Storage**

**Keep container tightly closed in a dry and well-ventilated place.**

**Recommended storage temperature: -20 °C**

**Keep in a dry place.**

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

**Contains no substances with occupational exposure limit values.**

**Personal protective equipment**

**Respiratory protection**

**Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).**

**Hand protection**

For prolonged or repeated contact use protective gloves.

**Eye protection**

Safety glasses

**Hygiene measures**

General industrial hygiene practice.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form	powder
Colour	white to off-white

**Safety data**

pH	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

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**10. STABILITY AND REACTIVITY****Storage stability**

Stable under recommended storage conditions.

**Materials to avoid**

Strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine

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

no data available

**Irritation and corrosion**

no data available

**Sensitisation**

no data available

**Chronic exposure**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### Potential Health Effects

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.
<b>Ingestion</b>	May be harmful if swallowed.

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## 12. ECOLOGICAL INFORMATION

#### Elimination information (persistence and degradability)

no data available

#### Ecotoxicity effects

no data available

#### Further information on ecology

no data available

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## 13. DISPOSAL CONSIDERATIONS

#### Product

Observe all federal, state, and local environmental regulations.

#### Contaminated packaging

Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

#### DOT (US)

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

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## 15. REGULATORY INFORMATION

#### OSHA Hazards

No known OSHA hazards

#### TSCA Status

Not On TSCA Inventory

beta -Nicotinamide mononucleotide

CAS-No.  
1094-61-7

#### DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

beta -Nicotinamide mononucleotide

CAS-No.  
1094-61-7

#### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA Hazards

**Massachusetts Right To Know Components**

No Components Listed

**Pennsylvania Right To Know Components**

	CAS-No.	Revision Date
beta -Nicotinamide mononucleotide	1094-61-7	

**New Jersey Right To Know Components**

	CAS-No.	Revision Date
beta -Nicotinamide mononucleotide	1094-61-7	

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

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**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.*

**Emergency Contact:**

ChemWatch

Within the US & Canada: 877-715-9305

Outside the US & Canada: +800 2436 2255

(1-800-CHEMCALL) or call +613 9573 3112