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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# Daunorubicinol (mixture of diastereomers): sc-218089

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Daunorubicinol (mixture of diastereomers)
**Product Number:** sc-218089

**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. HAZARDS IDENTIFICATION

**GHS Hazards Classification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)**

Acute Toxicity, Oral (Category 3)
Sensitisation, Skin (Category 1)
Carcinogenicity (Category 2)

**GHS Hazards Identification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)**

Pictogram

Signal Word Danger

**Hazard Statements**

| | |
|---|---|
| H301 | Toxic if swallowed. |
| H317 | May cause an allergic skin reaction. |
| H351 | Suspected of causing cancer. |

**Precautionary Statements**

| | |
|---|---|
| P264 | Wash hands thoroughly after handling. |
| P201 | Obtain special instructions before use. |
| P301/P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |

**EU Classification (According to EU Regulation 67/548/EEC)**

Toxic if swallowed. May cause sensitization by skin contact. May cause cancer.

**EU Risk and Safety Statements (According to EU Regulation 67/548/EEC)**

**Hazard Statements**

Toxic, Irritant

Hazard Codes T; Xi

**Risk Codes and Phrases**

| | |
|---|---|
| R25 | Toxic if swallowed. |
| R43 | May cause sensitization by skin contact. |
| R45 | May cause cancer. |

**WHMIS Classification (Canada)**

Symbols

Toxic Material Causing Immediate and Serious Toxic Effects
Very Toxic Material Causing Other Toxic Effects

**Hazard Statements**

| | |
|---|---|
| D1B | Toxic by ingestion |
| D2A | Carcinogen; Skin sensitizer |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:** 13-Dihydrodaunorubicin
**Formula:** C27H31NO10
**Chemical Weight:** 529.54
**CAS #:** 28008-55-1

## 4. FIRST AID MEASURES

**General Advice**

If medical attention is required, show this safety data sheet to the doctor.

**If Inhaled**

If inhaled, move casualty to fresh air. If not breathing, give artificial respiration and consult a physician.

**In Case of Skin Contact**

Wash affected area with soap and water. Consult a physician if any exposure symptoms are observed.

**In Case of Eye Contact**

Immediately rinse eyes with plenty of water for at least 15 minutes. Consult a physician.

**If Swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention.

**Most Important Symptoms and Effects, Both Acute and Delayed**

No data available

**Indication of any Immediate Medical Attention and Special Treatment Needed**

No data available

## 5. FIREFIGHTING MEASURES

**Suitable Extinguishing Media**

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

**Hazardous Combustion Products**

Carbon oxides, Nitrogen oxides

**Special Protective Equipment for Firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Use recommended personal protective equipment (see Section 8). Prevent the formation of dusts and mists. Adequate ventilation must be provided to ensure dusts or mists are not inhaled.

**Environmental Precautions**

Material should not be allowed to enter the environment. Prevent further spillage or discharge into drains, if safe to do so.

**Methods and Materials for Containment and Clean Up**

Contain the spill and then collect using non-combustible absorbent material (such as clay, diatomaceous earth, vermiculite or other appropriate material). Place material in a suitable, sealable container and then dispose according to local/national regulations and guidance (see Section 13).

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Avoid contact with skin and eyes. Ventilation and proper handling are to be used to prevent the formation of dusts and mists. Normal measures for preventative fire protection. No smoking, eating or drinking around this material. Wash hands after use.

**Conditions for Safe Storage, Including any Incompatibilities**

Ensure container is kept securely closed before and after use. Keep in a well ventilated area and do not store with strong oxidizers or other incompatible materials (see Section 10). Store at -20º C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no components with established occupational exposure limits.

**Engineering Controls**

A laboratory fume hood or other appropriate form of local exhaust ventilation should be used to avoid exposure.

**Personal Protective Equipment**

All recommendations below are advisory in nature and a risk assessment should be performed by the employer/ end user prior to use of this product. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

**Eye/Face Protection**

Safety glasses or safety goggles. All equipment should have been tested and approved under appropriate standards, such as NIOSH (US), CSA (Canada), or EN 166 (EU).

**Skin Protection**

Gloves should be used when handling this material. Gloves are to be inspected prior to use. Contaminated gloves are to be removed using proper glove removal technique so that the outer surface of the glove does not contact bare skin. Dispose of contaminated gloves after use in compliance with good laboratory practices and local requirements.

**Body Protection**

Fire resistant (Nomex) lab coat or coveralls.

**Respiratory Protection**

Recommended respirators are NIOSH-approved N95 or CEN-approved FFP2 particulate respirators. These are to be only used as a backup to local exhaust ventilation or other engineering controls. If the respirator is the only means of protection, a full-face supplied air respirator must be used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| Form | Solid | Odor | No data available |
| Odor Threshold | No data available | pH | No data available |
| Melting Point/Freezing Point | 179-181 °C | Boiling Point/Boiling Range | No data available |
| Flash point | No data available | Evaporation Rate | No data available |
| Flammability (Solid/Gas) | No data available | Upper/Lower Explosive Limits | No data available |
| Vapor Pressure | No data available | Vapor Density | No data available |
| Relative Density | No data available | Auto-Ignition Temperature | No data available |
| Decomposition Temperature | No data available | Viscosity | No data available |
| Explosive Properties | No data available | Oxidizing Properties | No data available |
| Partition Coefficient: n-octanol/water | No data available | Solubility | Chloroform, Dichloromethane, DMSO, Methanol |

## 10. STABILITY AND REACTIVITY

**Chemical Reactivity**

No data available

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

No data available

**Conditions to Avoid**

No data available

**Incompatible Materials**
Strong oxidizing materials.
**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**
Evidence of a carcinogenic effect.
This compound has been designated by the IARC as Group 2B: Possibly carcinogenic to humans.
**Reproductive Toxicity/Teratogenicity**
Laboratory results on structurally similar molecules have shown reproductive toxicity/teratogenicity in animal models.
**Single Target Organ Toxicity - Single Exposure**
No data available
**Single Target Organ Toxicity - Repeated Exposure**
No data available
**Aspiration Hazard**
No data available
**Potential Health Effects**

| | |
|---|---|
| **Inhalation** | May be harmful if inhaled. May cause respiratory tract irritation. |
| **Ingestion** | Toxic if swallowed. |
| **Skin** | May be harmful if absorbed through skin. May cause skin irritation. |
| **Eyes** | May cause eye irritation. |

**Signs and Symptoms of Exposure**
To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated.
**Additional Information**
**RTECS:** Not listed

## 12. ECOLOGICAL INFORMATION

**Toxicity**
no data available
**Bioaccumulative potential**
no data available
**PBT and vPvB assessment**
no data available
**Persistence and degradability**
no data available
**Mobility in soil**
no data available
**Other adverse effects**
no data available

## 13. DISPOSAL CONSIDERATIONS

**Product**
Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding the disposal and destruction of this material are followed.
**Contaminated Packaging**
Dispose of as above.

## 14. TRANSPORT INFORMATION

| DOT (US) | IMDG | IATA |
|---|---|---|
| Not dangerous goods | Not dangerous goods | Not dangerous goods |

## 15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of WHMIS (Canada), OSHA 1910.1200 (US), and EU Regulation EC No. 1907/2006 (European Union).

**Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

**Canada-DSL/NDSL Status**

This product is not listed on the Canadian DSL/NDSL.

**United States-TSCA Status**

This product is not listed on the US EPA TSCA.

**European Union-ECHA Status**

This product is not registered with the EU ECHA.

**Chemical Safety Assessment**

No data available

## 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.***

07/25/2014