

# Aclacinomycin A (Aclarubicin): sc-200160



The Power to Question

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Aclacinomycin A (Aclarubicin)  
**Product Number:** sc-200160  
**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

#### Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 2)  
Acute toxicity, Dermal (Category 3)  
Acute toxicity, Inhalation (Category 2)  
Germ cell mutagenicity (Category 1A)  
Reproductive toxicology (Category 2)

#### Labeling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Pictograms



Signal word Danger

#### Hazard statements

H300 Fatal if swallowed.  
H311 Toxic in contact with skin.  
H330 Fatal if inhaled.  
H340 May cause genetic defects.  
H361 Suspected of damaging fertility or the unborn child.

#### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P320 Specific treatment is urgent (see on this label).  
P361 Remove/Take off immediately all contaminated clothing.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

#### Hazard statements

Very toxic; Toxic; Harmful



Hazard codes T+; T; Xn

**Risk codes and phrases**

R28: Very toxic if swallowed.  
R46-23/24: May cause heritable genetic damage. Toxic by inhalation and in contact with skin.  
R62-63: Possible risk of impaired fertility. Possible risk of harm to the unborn child.

**Information concerning particular hazards for human and environment**

Not applicable.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms:** Jaclacin  
**Formula:** C<sub>42</sub>H<sub>53</sub>NO<sub>15</sub>  
**Molecular weight:** 811.9

<i>CAS-No.</i>	<i>EC-No.</i>	<i>Index-No.</i>	<i>Concentration</i>
<b>Aclacinomycin A (Aclarubicin)</b> 57576-44-0	260-824-3	-	-

**4. FIRST AID MEASURES****General advice**

Immediately remove any clothing soiled by the product. Remove breathing equipment only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.

**If inhaled**

Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.

**In case of skin contact**

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.

**In case of eye contact**

Rinse opened eye for several minutes under running water. Then consult a doctor.

**If swallowed**

Do not induce vomiting; call for medical help immediately.

**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5. FIREFIGHTING MEASURES****Suitable extinguishing media**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Hazardous combustion products**

No further relevant information available.

**Special protective equipment for firefighters**

Mouth respiratory protective device. Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Avoid formation of dust. Wear protective clothing.

**Environmental precautions**

No special measures required.

**Methods and materials for containment and clean up**

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Thorough dedusting. Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of dust.

### Conditions for safe storage

Store tightly sealed in a cool, dry and well ventilated location (see label for storage temperature and additional specific information). Keep away from heat, sources of ignition and incompatibles such as oxidizing agents. Keep container tightly sealed. Store under lock and key and with access restricted to technical experts or their assistants only. Store at -20° C.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

#### Hand protection

Wear protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection

Safety glasses.

#### Hygiene measures

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder	Odor	Characteristic
Odor threshold	No data available.	pH-value	Not applicable
Melting point/Melting range	Undetermined.	Boiling point/Boiling range	Undetermined.
Flash point	Not applicable.	Flammability (solid, gaseous)	Not flammable.
Decomposition temperature	Not determined.	Self-igniting:	Not determined.
Lower explosion limit	Not determined.	Upper explosion limit	Not determined.
Vapor pressure	Not applicable.	Density	Not determined.
Relative density	Not determined.	Vapor density	Not applicable.
Evaporation rate	Not applicable.	Solubility (water)	Not determined.
Partition coefficient (n-octanol/water)	Not determined.	Viscosity	Not applicable.

## 10. STABILITY AND REACTIVITY

### Chemical reactivity

No dangerous reactions known.

### Chemical stability

Stable.

### Materials to avoid

Avoid strong oxidizing agents.

### Conditions to avoid

No further relevant information available.

### Hazardous decomposition products

No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Selected LD50 and LC50s:** LD50 - Oral - 30.1 mg/kg (mouse)  
LD50 - Intraperitoneal - 16.1 mg/kg (mouse)  
LD50 - Intravenous - 16.5 mg/kg (mouse)  
LD50 - Subcutaneous - 22.1 mg/kg (mouse)

### Primary irritant effect:

**on the skin:** Not determined.

**on the eye:** Not determined.

### Sensitization

No sensitizing effects known.

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity (Category 1A); Reproductive toxicology (Category 2)

## 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

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

### Contaminated packaging

Disposal must be made according to official regulations.

## 14. TRANSPORTATION INFORMATION

**UN-Number** UN 3462  
**UN proper shipping name**  
**ADR, IMDG, IATA** 3462 TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.  
(Aclacinomycin A)  
**Transport hazard class(es)** Not applicable  
**Packing group**  
**ADR, IMDG** 6.1 Toxic substances.  
**IATA** 6.1 Toxic substances  
**Packing group**  
**ADR, IMDG, IATA** III  
**Environmental hazards**  
**Marine pollutant:** No  
**Special precautions:** Warning: Toxic substances  
**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
Not applicable

## 15. REGULATORY INFORMATION

### Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## 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.*

03/25/2014