

6-[(3R,4R)-3-(Acetyloxy)-N,4-dimethyl-6-oxo-L-norleucine] Cyclosporin A: sc-210454



MATERIAL SAFETY DATA SHEET

The Power to Question

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 6-[(3R,4R)-3-(Acetyloxy)-N,4-dimethyl-6-oxo-L-norleucine] Cyclosporin A
Catalog Number: sc-210454
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. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Cyclosporine Antibiotic S 7481F1; Cyclosporine A;

<i>Component</i>	<i>CAS#</i>	<i>EC#</i>	<i>MW</i>	<i>MF</i>
Cyclosporine A	121584-52-9	—	1,202.6 g/mol	C62H111N11O1

3. HAZARDS INFORMATION:

EMERGENCY OVERVIEW:

OSHA Hazards: Target Organ Effect, Harmful by ingestion., Carcinogen, Reproductive hazard

Target Organs: Immune system., Kidney, Liver, Blood

Hazard statement(s)

H302 Harmful if swallowed.
H350 May cause cancer.
H360 May damage fertility or the unborn child.

Precautionary statement(s)

P201 Obtain special instructions before use.
P308 + P313 IF exposed or concerned: Get medical advice/attention.

HMIS Classification

Health hazard: 1
Chronic Health Hazard: *
Flammability: 0
Physical hazards: 0

NFPA Rating

Health hazard: 1
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion Harmful if swallowed.

5. FIRE FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Methods for cleaning up. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid formation of dust and aerosols. 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. Store at 4° C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves

Eye protection: Face shield and safety glasses

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form	solid	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 exposure limit	no data available	Upper exposure limit	no data available
Density	no data available	Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability: Stable under recommended storage conditions.

Conditions to avoid: Heat.

Materials to avoid: Alkali metals, Aluminum, Strong oxidizing agent

Hazardous decomposition products: Formed under fire conditions: Carbon oxides, Nitrogenoxides (NOx).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral – rat – 1,480 mg/kg

Remarks: Behavioral: Muscle contraction or spasticity. Diarrhoea Skin and Appendages: Other: Hair.

Irritation and corrosion: no data available

Sensitisation: No data available

Chronic exposure

Possible human carcinogen.

IARC: 1 – Group 1: Carcinogenic to humans (Cyclosporin A)

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: Known to be human carcinogen (Cyclosporin A).

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.

Reproductive toxicity: Presumed human reproductive toxicant. May cause reproductive disorders.

Specific target organ toxicity – single exposure (GHS): no data available

Specific target organ toxicity – repeated exposure (GHS): no data available

Aspiration hazard: no data available

Potential health effects

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

Ingestion Harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Nausea, Vomiting, Tremors, Diarrhoea, elevated blood pressure, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information: RTECS: GZ4120000

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability): No data available

Ecotoxicity effects: No data available

13. DISPOSAL CONSIDERATIONS

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

Contaminated packaging: Dispose of as unused product

14. TRANSPORTATION INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards: Target Organ Effect, Harmful by ingestion., Carcinogen, Reproductive hazard

DSL Status: All components of this product are on the Canadian DSL list.

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

SARA 313 Components: 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: Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components: No Components Listed

Pennsylvania Right To Know Components:

Cyclosporin

CAS-No.: 59865–13–3

New Jersey Right To Know Components:

Cyclosporin

CAS-No.: 59865–13–3

California Right To Know Components: WARNING! This product contains a chemical known to the State of California to cause cancer.

Cyclosporin

CAS-No.: 59865–13–3

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.

3/4/2011