

Sclerotiorin: sc-205505



The Power to Question

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Code: sc-205505
Product Name: Sclerotiorin
Company Name: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 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

Synonyms: 7-(acetyloxy)-5-chloro-3-[(1E,3E,5S)-3,5-dimethyl-1,3-heptadien-1-yl]-7-methyl-6H-2-benzopyran-6,8(7H)-dione

2. Hazards Identification

Emergency Overview: No data available.
Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection
Health Hazards (Acute and Chronic): Material may be irritating to the mucous membranes and upper respiratory tract.
May be harmful by inhalation, ingestion, or skin absorption.
May cause eye, skin, or respiratory system irritation.
The toxicological properties of this compound have not been fully evaluated.
Signs and Symptoms Of Exposure: No data available.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	EC#
1. 7-(acetyloxy)-5-chloro-3-[(1E,3E,5S)-3,5-dimethyl-1,3-heptadien-1-yl]-7-methyl-6H-2-benzopyran-6,8(7H)-dione	549-23-5	100.0 %	NA

4. First Aid Measures

Emergency and First Aid Procedures: If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. Fire Fighting Measures

Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards: No data available.
Hazardous Combustion Products: No data available.
Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.
Unsuitable Extinguishing Media: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Wear a NIOSH/MSHA approved self-contained breathing apparatus and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
 Vacuum or sweep up material and place in disposal container.
 Avoid raising dust.
 After removal, ventilate contaminated area and flush thoroughly with water.

7. Handling and Storage

Hazard Label Information: Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation.
 Wash thoroughly after handling.

Precautions To Be Taken in Handling: Avoid breathing (dust, vapor, mist, gas).
 Avoid contact with eyes, skin, and clothing.
 Avoid prolonged or repeated exposure.
 Do not reuse this container.
 Use with adequate ventilation.
 Wash thoroughly after handling.

Precautions To Be Taken in Storing: Store at correct temperature.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. 7-(acetyloxy)-5-chloro-3-[(1E,3E,5S)-3,5-dimethyl-1,3-heptadien-1-yl]-7-methyl-6H-2-benzopyran-6,8(7H)-dione	549-23-5	No data.	No data.	No data.

Protective Equipment Summary - Hazard Label Information: Eye wash station in work area Lab coat Compatible chemical-resistant gloves Safety glasses Safety shower in work area Vent Hood

Respiratory Equipment (Specify Type): No data available.

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Work/Hygienic/Maintenance Practices: Do not take internally.
 Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
 Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States: [] Gas [] Liquid [X] Solid

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): No data.

Bulk density: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate (vs Butyl Acetate=1): No data.

Solubility in Water: No data.

Solubility Notes: ~0.3 mg/ml 1:2 DMF:PBS (pH 7.2); ~3 mg/ml in EtOH; ~20 mg/ml in DMSO; & ~30 mg/ml in DMF.

Percent Volatile: No data.

Heat Value: No data.
 Particle Size: No data.
 Corrosion Rate: No data.
 Formula: C₂₁H₂₃ClO₅
 Molecular Weight: 390.90
 pH: No data.
 Appearance and Odor: A crystalline solid

10. Stability and Reactivity

Stability: Unstable [] Stable []
 Conditions To Avoid - Instability: No data available.
 Incompatibility - Materials To Avoid: No data available.
 Hazardous Decomposition Or Byproducts: No data available.
 Possibility of Hazardous Reactions: Will occur [] Will not occur []
 Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

The toxicological effects of this compound have not been thoroughly studied.
 Carcinogenicity/Other Information: No data available.
 Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Not dangerous goods.

LAND TRANSPORT (European ADR/RID)

ADR/RID Proper Shipping Name Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

European Community Hazard Symbol codes

No data available.

European Community Risk and Safety Phrases

No data available.

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. 7-(acetyloxy)-5-chloro-3-[(1E,3E,5S)-3,5-dimethyl-1,3-heptadien-1-yl]-7-methyl-6H-2-benzopyran-6,8(7H)-dione	549-23-5	No	No	No	No

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	HPV/LPV
1. 7-(acetyloxy)-5-chloro-3-[(1E,3E,5S)-3,5-dimethyl-1,3-heptadien-1-yl]-7-methyl-6H-2-benzopyran-6,8(7H)-dione	549-23-5	HAP, ODC ()	No	No	

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.