

(-)-(1-Oxyl-2,2,5,5-tetramethylpyrrolidin-3-yl)methyl Methanethiosulfonate: sc-208678



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name (-)-(1-Oxyl-2,2,5,5-tetramethylpyrrolidin-3-yl)methyl Methanethiosulfonate

Catalog Number sc-208678

CAS# 681034-15-1

Synonyms N/A

Supplier 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

Section 2 - Hazardous Ingredients / Identity Information

The toxicological properties have not been thoroughly investigated. Exercise due care.

Section 3 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Appearance and Odor	Solid
Vapor Pressure	N/A	Formula	C ₁₀ H ₂₁ NO ₃ S ₂
Vapor Density	N/A	Weight	266.40
Solubility in Water	N/A	Specific Gravity(H ₂ O=1)	N/A
Evaporation Rate (Butyl Acetate=1)	N/A	Melting Point	67-69°C

Section 4 - REACTIVE DATA

Stability	good	Incompatibility	water, Strong oxidizing agents,
	Hygroscopic	(Materials to Avoid)	may discolour when exposed to light
Conditions to Avoid	damp locations	Hazardous Polymerization	will not occur
Hazardous Decomposition or Byproducts	toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur dioxides		

Section 5 - CONTROL MEASURES

Respiratory Protection	Niosh/Msha approved respirator	Ventilation	Hood
Protective Gloves	Chemical resistant gloves	Eye Protection	chemical safety goggles
Other Protective Clothing	Lab coat or apron	Other Protection	safety shower and eye bath

Section 6 - FIRST AID MEASURES

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Skin	Rinse with copious amounts of water for 15 minutes. Remove contaminated clothing and shoes.
Ingestion	Rinse mouth out with water, provided the person is conscious. Seek medical attention.
Eyes	Flush eyes with copious amounts of water, separating eyelids with fingers.

Section 7 - HEALTH HAZARD DATA

Health Hazards
(Acute and Chronic)

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care.

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

A highly reactive thiol-specific spin-label. A specific conformational probe of thiol site structure by virtue of its minimal rotational freedom and distance from the covalent disulfide linkage to the macromolecule under study. The ring unsaturated analog of MTSL (Catalog Number O87500) .

The toxicological properties have not been thoroughly investigated. Exercise due care.

*Medical Conditions
Generally Aggravated by
Exposure*

Section 8 - PRECAUTIONS FOR SAFE HANDLING AND USE

<i>Steps to be Taken in Case Material is Released or Spilled</i>	wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
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<i>Waste Disposal Method</i>	Dispose of in accordance with all federal, state and local environmental regulations.
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<i>Precautions to Be Taken in Handling and Storage</i>	Store in a cool, dry and well ventilated area. Keep all containers securely closed when not in use. Store at -20° C.
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Section 9 - FIRE AND EXPLOSION HAZARD DATA

<i>Extinguishing Media</i>	Water; Carbon dioxide; dry powder
<i>Special Fire Fighting Procedures</i>	Use water spray to cool fire - exposed containers and structures. Use water spray to disperse any vapors; reignition is always a potential. Use self-contained breathing apparatus as described above.
<i>Unusual Fire and Explosion Hazards</i>	Toxic fumes are emitted under fire conditions consisting of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur dioxide.

Section 10 - TRANSPORTATION AND REGULATORY INFORMATION

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

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.

9/9/2010