

Thiomuscimol: sc-213035



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name **Thiomuscimol**
Catalog Number **sc-213035**
CAS# **62020-54-6**
Synonyms **5-Aminomethyl-3-isothiazolol**

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

<i>Boiling Point</i>	N/A	<i>Appearance and Odor</i>	Solid
<i>Vapor Pressure</i>	N/A	<i>Molecular Weight</i>	130.17
<i>Vapor Density</i>	N/A	<i>Specific Gravity(H₂O=1)</i>	N/A
<i>Solubility in Water</i>	Yes	<i>Melting Point</i>	>140°C (dec)
<i>Evaporation Rate (Butyl Acetate=1)</i>	N/A	<i>Molecular Formula</i>	C₄H₆N₂O₅

Section 4 - Reactive Data

<i>Stability</i>	Good	<i>Incompatibility (Materials to Avoid)</i>	Strong oxidizing agents
<i>Conditions to Avoid</i>	Strong oxidizing agents	<i>Hazardous Polymerization</i>	will not occur
<i>Hazardous Decomposition or Byproducts</i>	Toxic fumes of Carbon Dioxide, Carbon Monoxide, and Nitrogen oxides, sulfur oxides		

Section 5 - Control Measures

<i>Respiratory Protection</i>	Niosh/Msha approved respirator	<i>Ventilation</i>	Use in hood.
<i>Protective Gloves</i>	chemical resistant gloves	<i>Eye Protection</i>	chemical safety goggles
<i>Other Protective Clothing</i>	lab coat or apron	<i>Other Protection</i>	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)

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.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. A new photoaffinity label for the GABA_A receptor. Thiomuscimol inhibits [3H]muscimol binding to brain GABA_A receptors. The toxicological properties have not been thoroughly investigated.

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. Store at -20° C.
<i>Waste Disposal Method</i>	Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
<i>Precautions to Be Taken in Handling and Storage</i>	Store in a cool, dry place. Avoid prolonged, repeated exposure. Wash after handling. Wear chemical safety goggles, chemical resistant gloves, and NIOSH/MSHA-approved respirator.

Section 9 - Fire and Explosion Hazard Data

<i>Extinguishing Media</i>	Water spray, carbon dioxide, dry chemical powder or appropriate foam.
<i>Special Fire Fighting Procedures</i>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<i>Unusual Fire and Explosion Hazards</i>	Emits toxic fumes under fire conditions.

Section 10 - Transportation Information 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 all inclusive and shall be used only as a guide.

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.

3/8/2012