

Thiosildenafil: sc-208435



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name Thiosildenafil

Synonyms 5-[2-Ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]-1,6-dihydro-1-methyl-3-propyl-7H-pyrazolo[4,3-d]pyrimidine-7-thione; 1-[[3-(4,7-Dihydro-1-methyl-3-propyl-7-thioxo-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-4-methylpiperazine;

Catalog Nbr sc-208435

Cas Reg. No 479073-79-5

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

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

Section 3 - Physical/Chemical Characteristics

Boiling Point N/A

Vapor Pressure N/A

Vapor Density N/A

Solubility in Water N/A

Appearance and Odor

Pale Yellow Solid

Specific Gravity(H₂O=1)

N/A

Melting Point

172-174°C

Evaporation Rate (Butyl Acetate=1) N/A

Section 4 - Reactive Data

Stability Stable

Conditions to Avoid Strong oxidizing agents

Hazardous Decomposition or Byproducts Toxic Fumes of:
carbon monoxide, carbon dioxide,
nitrogen oxides and sulfur oxides

Incompatibility (Materials to Avoid)

Strong oxidizing agents

Hazardous Polymerization

Will not occur

Section 5 - Control Measures

Respiratory Protection Niosh/Msha approved respirator
Protective Gloves chemical resistant gloves
Other Protective Clothing lab coat, apron

Ventilation
Eye Protection
Other Protection

Use in fume hood
safety goggles
Safety shower and eyewash

Section 6 - First Aid Measures

Inhalation If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Skin In case of skin contact, flush with copious amounts of water for atleast 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Eyes In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Section 7 - Health Hazard Data

*Health Hazards
(Acute and Chronic)*

ROUTE OF EXPOSURE

Skin Contact: Causes skin irritation.

Skin Absorption: Harmful if absorbed through skin.

Eye Contact: Causes eye irritation.

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

Ingestion: Harmful if swallowed.

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

An analog of Sildenafil; a novel pyrazolopyrimidinethiones as PDE5 inhibitor.

Medical Conditions

*Generally Aggravated by
Exposure*

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

Section 8 - Precautions for Safe Handling and Use

*Steps to be Taken in
Case Material is
Released or Spilled*

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal.

Waste Disposal Method

Dissolve or mix the 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.

*Precautions to Be
Taken in Handling
and Storage*

Keep tightly closed. Store in a cool dry place.

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media

Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

*Special Fire Fighting
Procedures*

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

*Unusual Fire and
Explosion Hazards*

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 complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

07/14/2010