

O-Desacetyl-N-desmethyl Diltiazem: sc-208116



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name O-Desacetyl-N-desmethyl Diltiazem

Synonyms 3-Hydroxy-2-(4-methoxy-phenyl)-5-(2-methylamino-ethyl)-2,3-dihydro-5H-benzo[b][1,4]thiazepin-4-one; Deacetyl N-Monodesmethyl Diltiazem;

Catalog Nbr sc-208116

Cas Reg. No 81353-09-5

Supplier Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
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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 of this compound have not been thoroughly investigated. Exercise due care.

EMERGENCY OVERVIEW

Harmful.

Harmful if swallowed.

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 134-136°C (dec.)

Evaporation Rate (Butyl Acetate=1) N/A

Section 4 - Reactive Data

Stability good

Conditions to Avoid strong oxidizing agents

Hazardous Decomposition or Byproducts toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides, 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 Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Skin Immediately flush skin with copious amounts of water for at least 15 min while removing contaminated clothing and shoes.

Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician. Remove and wash contaminated clothing immediately.

Eyes Immediately flush eyes with copious amounts of water for at least 15 min. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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.

A metabolite of Diltiazem (D460620).

Medical Conditions
Generally Aggravated by
Exposure

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

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. Avoid raising dust.

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.

6/2/2010