

(E)-4-Hydroxy-N-desmethyl Tamoxifen: sc-207605



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name (E)-4-Hydroxy-N-desmethyl Tamoxifen

Synonyms 4-[(1E)-1-[4-[2-(methylamino)ethoxy]phenyl]-2-phenyl-1-buten-1-yl]phenol;

Catalog Nbr sc-207605

Supplier Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Cas Reg. No 114828-90-9

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

Vapor Pressure N/A

Vapor Density N/A

Solubility in Water N/A

Molecular Formula C₂₅H₂₇NO₂

Molecular Weight 373.49

Appearance and Odor

Specific Gravity(H₂O=1)

Melting Point

Evaporation Rate (Butyl Acetate=1)

White Solid

N/A

154-156°C

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

Incompatibility (Materials to Avoid)

Strong oxidizing agents, strong acids, strong bases

Hazardous Polymerization

Will not occur

Section 5 - Control Measures

Respiratory Protection Niosh/Msha approved respirator

Ventilation

Mechanical exhaust required use in 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 If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Skin Wash skin with soap and copious amounts of water.

Ingestion Wash our mouth with water provided person is conscious. Call a physician immediately.

Eyes Immediately flush with copious amounts of water for at least 15 minutes

Section 7 - Health Hazard Data

Health Hazards
(Acute and Chronic)

Skin Contact: May cause skin irritation.

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

Eye Contact: May cause eye irritation.

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

Ingestion: Harmful if swallowed.

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

A novel active metabolite of the anti-cancer drug Tamoxifen (T006000). It showed potent ER binding property, blocked estrogen stimulated growth of breast cancer cell and half maximal inhibition of estrogen responsive gene expression in ER pos. human breast cancer cell line.

Medical Conditions Generally Aggravated by Exposure **The toxicological properties have not been thoroughly investigated. Exercise due care.**

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

5/17/2010