

Tanomastat: sc-208416



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1

Chemical Name **Tanomastat**

Synonyms **BAY 12-9566, (S)-4'-Chloro-g-oxo-a-[(phenylthio)methyl][1,1'-biphenyl]-4-butanoic Acid**

Catalog Nbr **sc-208416**

Cas Reg. No **179545-77-8**

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 of this compound 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 **C23H19ClO3S**

Molecular Weight **410.9**

Appearance and Odor

White Solid

Specific Gravity(H2O=1)

N/A

Melting Point

110-110.5°C

Evaporation Rate (Butyl Acetate=1)

N/A

Section 4 - Reactive Data

Stability **Stable**

*Incompatibility
(Materials to Avoid)*

strong oxidizing agents

Conditions to Avoid **Strong oxidizers**

*Hazardous
Decomposition or
Byproducts* **Toxic fumes of carbon monoxide,
carbon dioxide sulfur oxides and
hydrogen chloride gas**

Hazardous Polymerization **will not occur**

Section 5 - Control Measures

Respiratory Protection **Niosh/Msha approved respirator**

Ventilation

HOOD

Protective Gloves **chemical resistant gloves**

Eye Protection

safety goggles

Other Protective Clothing **lab coat, apron**

Other Protection

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)*

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 Matrix Metalloproteinase inhibitor. An angiogenesis inhibitor.

Optical Rotation +82° (C 1.5 acetone).

*Medical Conditions
Generally Aggravated by
Exposure*

THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOURGHLY 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. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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

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*

MAY EMIT 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.