

**TMS: sc-203708**



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### SECTION 1. Chemical Product and Company Identification

**Product Name:** TMS  
**Product Number:** sc-203708  
**Chemical Family:** Inhibitors  
**Synonyms:** 1-[(1E)-2-(3,5-dimethoxyphenyl)ethenyl]-2,4-dimethoxy-benzene; 2,3',4,5'-Tetramethoxystilbene  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 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. Composition/Information on Ingredients

**Hazardous Components (Specific Chemical Identity/Common Name)**

|                           |                            |
|---------------------------|----------------------------|
| <b>Name:</b> TMS          |                            |
| <b>CAS #:</b> 24144-92-1  | <b>Percentage:</b> 100.0 % |
| <b>OSHA PEL:</b> No data. | <b>ACGIH TLV:</b> No data. |

### SECTION 3. Hazards Identification

#### Emergency Overview

No data available.

**Route(s) of Entry:** Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other: Injection

#### Potential Health Effects (Acute and Chronic)

Material is irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

The toxicological properties of this compound have not been fully evaluated.

**Carcinogenicity:** NTP? No , IARC Monographs? No , OSHA Regulated? No

#### Carcinogenicity/Other Information

No data available.

#### Signs and Symptoms Of Exposure

Irritating to the skin, eyes, nose, throat, and respiratory tract.

### SECTION 4. First Aid Measures

#### Emergency and First Aid Procedures

If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

#### Note to Physician

No data available.

#### Medical Conditions Generally Aggravated By Exposure

No data available.

### SECTION 5. Fire Fighting Measures

**Flash Pt:** No data. **Method Used:** No data.

**Explosive Limits:** LEL: No data. UEL: No data.

#### Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.

### Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

### Flammable Properties and Hazards

No data available.

### Hazardous Combustion Products

No data available.

## SECTION 6. Accidental Release Measures

### Steps To Be Taken In Case Material Is Released Or Spilled

Wear a NIOSH/MSHA approved self-contained breathing apparatus and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). Vacuum or sweep up material and place in disposal container. Avoid raising dust. After removal, ventilate contaminated area and flush thoroughly with water.

## SECTION 7. Handling and Storage

### Hazard Label Information:

Avoid contact with skin and eyes.

Use with adequate ventilation.

Do not reuse this container.

Wash thoroughly after handling.

### Precautions To Be Taken in Handling

Avoid contact with eyes, skin, and clothing.

Avoid prolonged or repeated exposure.

Do not reuse this container.

Use with adequate ventilation.

Wash thoroughly after handling.

### Precautions To Be Taken in Storing

Store at -20°C.

### Other Precautions

No data available.

### Work/Hygienic/Maintenance Practices

Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Wash thoroughly after handling.

## SECTION 8. Exposure Controls/Personal Protection

### Protective Equipment Summary - Hazard Label Information

Eye wash station in work area

Lab coat

Latex disposable gloves

Safety glasses

Safety shower in work area

Vent Hood

### Respiratory Equipment (Specify Type)

No data available.

### Eye Protection

Safety glasses

### Protective Gloves

Latex disposable gloves

### Other Protective Clothing

Lab coat

### Engineering Controls (Ventilation etc.)

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

## SECTION 9. Physical and Chemical Properties

### Physical States:

[ ] Gas , [ ] Liquid , [ X ] Solid

### Melting Point:

No data.

### Density:

No data.

### Solubility in Water:

500 ug/ml\* at 25.0 C

### Saturated Vapor Concentration:

No data.

### Molecular Formula:

C18H20O4

### Evaporation Rate:

No data.

### (vs Butyl Acetate=1)

### Appearance and Odor:

A crystalline solid.

### Vapor Pressure:

No data.

### (vs. Air or mm Hg)

### Other Solubility Notes:

\*DMF:PBS pH 7.2 (1:1), sol. in EtOH, DMSO, & DMF

### Boiling Point:

No data.

### Specific Gravity (Water = 1):

No data.

### Vapor Density (vs. Air = 1):

No data.

### Percent Volatile:

No data.

### Viscosity:

No data.

### Molecular Weight:

300.35

### pH:

No data.

## **SECTION 10. Stability and Reactivity**

**Stability:** Unstable [ ] Stable [ X ]

### **Conditions To Avoid - Instability**

No data available.

### **Incompatibility - Materials To Avoid**

No data available.

### **Hazardous Decomposition Or Byproducts**

No data available.

**Hazardous Polymerization:** Will occur [ ] Will not occur [ X ]

### **Conditions To Avoid - Hazardous Polymerization**

No data available.

## **SECTION 11. Toxicological Information**

The toxicological effects of this compound have not been thoroughly studied.

### **Chronic Toxicological Effects**

No data available.

## **SECTION 12. Ecological Information**

Runoff from fire control or dilution water may cause pollution.

## **SECTION 13. Disposal Considerations**

### **Waste Disposal Method**

Dispose in accordance with local, state and federal regulations.

## **SECTION 14. Transport Information**

### **DOT Proper Shipping Name**

No data available.

### **Additional Transport Information**

Transport in accordance with local, state, and federal regulations.

## **SECTION 15. Regulatory Information**

Regulatory information on this product is not available.

## **SECTION 16. Other Information**

*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.*

8/23/2011