

# Simvastatin Dimer Impurity: sc-212927



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical and Company Information

<i>Chemical Name</i>	<b>Simvastatin Dimer Impurity</b>	<i>Supplier</i>	<b>Santa Cruz Biotechnology, Inc. 2145 Delaware Avenue Santa Cruz, California 95060 800.457.3801 or 831.457.3800</b>
<i>Synonyms</i>	<b>Simvastatin Impurity D;</b>		
<i>Catalog Nbr</i>	<b>sc-212927</b>	<i>Emergency</i>	<b>ChemWatch Within the US &amp; Canada: 877-715-9305 Outside the US &amp; Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112</b>
<i>Cas Reg. No</i>	<b>476305-24-5</b>		

### 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

<i>Boiling Point</i>	<b>N/A</b>	<i>Apearance and Odor</i>	<b>White Solid</b>
<i>Vapor Pressure</i>	<b>N/A</b>	<i>Specific Gravity(H<sub>2</sub>O=1)</i>	<b>N/A</b>
<i>Vapor Density</i>	<b>N/A</b>	<i>Melting Point</i>	<b>170-180°C</b>
<i>Solubility in Water</i>	<b>Yes</b>	<i>Evaporation Rate (Butyl Acetate=1)</i>	<b>N/A</b>

### Section 4 - Reactive Data

<i>Stability</i>	<b>Stable in freezer at -20°C, hygroscopic and moisture sensitive store under inert gas</b>	<i>Incompatibility (Materials to Avoid)</i>	<b>Strong oxidizing agents,</b>
<i>Conditions to Avoid</i>	<b>Strong oxidizers</b>		
<i>Hazardous Decomposition or Byproducts</i>	<b>carbon monoxide, carbon dioxide,</b>	<i>Hazardous Polymerization</i>	<b>will not occur</b>

### Section 5 - Control Measures

<i>Respiratory Protection</i>	<b>Niosh/Msha approved respirator</b>	<i>Ventilation</i>	<b>Hood</b>
<i>Protective Gloves</i>	<b>rubber gloves</b>	<i>Eye Protection</i>	<b>safety goggles</b>
<i>Other Protective Clothing</i>	<b>lab coat/apron</b>	<i>Other Protection</i>	<b>eye safety wash</b>

### Section 6 - First Aid Measures

<i>Inhalation</i>	<b>Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.</b>
<i>Skin</i>	<b>In case of contact, immediately flush eyes or skin with copious amount of water for at least 15 minutes while removing contaminated clothing and shoes.</b>
<i>Ingestion</i>	<b>Wash out mouth with water provided person is conscious. Call a physician immediately.</b>
<i>Eyes</i>	<b>In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.</b>

### Section 7 - Health Hazard Data

Health Hazards  
(Acute and Chronic)

#### 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.**

#### SIGNS AND SYMPTOMS OF EXPOSURE

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

An impurity of Simvastatin (Dimer).

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 appropriate chemical resistant apparel. Evacuate area. Avoid raising dust during clean-up. Absorb on sand or vermiculite and place in closed containers for disposal.**

*Waste Disposal Method*      **Burn in a Chemical Incinerator equipped with an Afterburner & Scrubber. Observe all Federal, State & Local Laws when disposing of any waste.**

*Precautions to Be Taken in Handling and Storage*      **Avoid contact & inhalation. Keep tightly closed. Restrict handling by unqualified personnel.**

## 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*      **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.***

6/14/2010