

# Isofagomine D-Tartrate: sc-207767



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical and Company Information

*Chemical Name*     **Isofagomine D-Tartrate**  
*Catalog Nbr*     **sc-207767**

*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 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*     **yes**  
*Molecular Formula*     **C10H19NO9**  
*Molecular Weight*     **297.26**

*Apearance and Odor*     **White to Off-White Solid**  
*Specific Gravity(H2O=1)*     **N/A**  
*Melting Point*     **146-148°C**  
*Evaporation Rate*     **N/A**  
*(Butyl Acetate=1)*

### Section 4 - Reactive Data

<i>Stability</i>	<b>Good, protect from moisture store under inert atmosphere</b>	<i>Incompatability (Materials to Avoid)</i>	<b>Strong oxidizing agents</b>
<i>Conditions to Avoid</i>	<b>Strong oxidizers</b>	<i>Hazardous Polymerization</i>	<b>will not occur</b>
<i>Hazardous Decomposition or Byproducts</i>	<b>Toxic fumes of Carbon Dioxide, Carbon Monoxide, and Nitrogen oxides</b>		

### Section 5 - Control Measures

<i>Respiratory Protection</i>	<b>Niosh/Msha approved respirator</b>	<i>Ventilation</i>	<b>Use in hood.</b>
<i>Protective Gloves</i>	<b>chemical resistant gloves</b>	<i>Eye Protection</i>	<b>chemical safety goggles</b>
<i>Other Protective Clothing</i>	<b>lab coat or apron</b>	<i>Other Protection</i>	<b>safety shower and eye bath</b>

### Section 6 - First Aid Measures

*Inhalation*     **Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.**

*Skin*     **Rinse with copious amounts of water for 15 minutes. Remove contaminated clothing and shoes.**

*Ingestion*     **Rinse mouth out with water, provided the person is conscious. Seek medical attention.**

*Eyes*     **Flush eyes with copious amounts of water, separating 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.

Used as human acid  $\beta$ -glucosidase inhibitor and for the treatment of Gaucher disease.

The toxicological properties have not been thoroughly investigated.

*Medical Conditions  
Generally Aggravated by  
Exposure*

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

## 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 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 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*

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. Store at -20° C.

## 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.*

05/03/2010