

Charybdotoxin: sc-200979



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 : Substance Identification

Product Name: Charybdotoxin
Catalog Number: sc-200979
CAS Number: 95751-30-7
Chem Formula: C176H289N57O56S7
Chem Class: Peptide
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 : Health Hazard Data

Acute Health Effects: This peptide is a scorpion toxin and has very fast acting effects. May be hazardous if ingested, inhaled, or absorbed through the skin. May be fatal if enters the bloodstream, take precautions to avoid accidental injection. May be irritating to the eyes, skin, mucous membranes, or upper respiratory tract. Prolonged or repeated exposure can cause allergic reaction in certain sensitive individuals. To the best of our knowledge, the toxicological effects of this peptide have not been comprehensively studied exercise extreme caution when handling this product.

Chronic Health Effects: Target Organs: Nerves, Skeletal muscle, Vascular system, Smooth muscle

Section 3 : First Aid Measures

Eye Contact: Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. **Seek medical attention immediately.**

Skin Contact: Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes.

Seek medical attention immediately.

Inhalation: Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. **Seek medical attention immediately.** Provide chemical label and MSDS if possible.

Ingestion: Remove dentures and clear mouth. If person is conscious, rinse mouth with water. **Call physician or poison control immediately.** Provide chemical label and MSDS information if possible.

Section 4 : Fire and Explosion Data

Flammability: Not Available

Flash Point: Not Available

Combustion Products: Not Available

Extinguishing Media: Carbon Dioxide, Dry chemical powder, polymer foam, water spray

Special Firefighting Procedures: Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire/Explosion Hazards: None known

Section 5 : Spill or Leak Procedures

Cleanup Procedures: Wearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Waste Disposal Method: Observe all Federal, State and Local regulations concerning the disposal of this product.

Section 6 : Storage and Handling Precautions

Protective Equipment: For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self contained breathing apparatus or NIOSH/MSHA approved respirator is required.

Storage and Handling: This product should be stored at -20°C. It should be kept in a tightly closed container. This product should be handled only by qualified experienced professionals. Wash thoroughly after handling this material.

Section 7 : Physical Data

Appearance: White solid
Molecular Weight: 4323.98
Boiling Point: Not Available
Solubility: Water
Specific Gravity: Not Available
Volatility: Not Available

Odor: Slight
Taste: Not Available
Melting Point: Not Available
Vapor Density: Not Available
Vapor Pressure: Not Available

Section 8 : Stability and Reactivity Data

Stability: This material is stable if stored as directed

Conditions to Avoid: None known

Incompatibles: Strong oxidizing agents

Section 9 : Toxicity Data

RTECS#: Not Available

Section 10 : Ecological Data

Ecotoxicological Information: None Available

Section 11 : 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.

9/21/2010