

Lubiprostone: sc-211755



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 – Chemical Product and Company Identification

Product Name: Lubiprostone
Catalog Number: sc-211755
Synonyms: Lubiprostone Amitiza,
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 – Hazardous Ingredients/Identity Information

Chemical Name: 11,15-epoxy-16,16-difluoro-15-hydroxy-9-oxo-(11 α ,15R)-prostan-1-oic acid
Formula: C₂₀H₃₃F₂O₅
Molecular Weight: 390.46 g/mol
May be harmful if inhaled, ingested or if absorbed through skin. Handle with caution.

Section 3 – Physical/Chemical Characteristics

Appearance: solid
Odour: odourless
Boiling Point: No data available
Ignition temperature: No data available
Solubility in Water: Soluble in water (about 30 g/L)

Section 4 – Stability and Reactivity Data

Stability:
Stable under recommended conditions.
Materials to Avoid:
Strong acid and strong bases, strong oxidizing agents
Conditions to Avoid:
Strong acid and strong bases, strong oxidizing agents
Hazardous Decomposition or By products:
Potential for toxic fumes if heated to temperatures causing decomposition

Section 5 – Control Measures

Respiratory Protection:
NIOSH/MSHA approved respirator or ventilation in fume hood.
Hand Protection:
Chemical resistant gloves.
Eye Protection:
Safety goggles.
Other Protective Clothing:
Lab coat or apron.

Section 6 – First Aid Measures

Inhalation:

Remove to fresh air. If breathing is difficult call a physician.

Skin:

In case of contact, flush with copious amounts of water. Consult physician.

Ingestion:

Wash out mouth with water provided person is conscious. Call a physician immediately.

Eyes:

In case of contact, immediately flush eyes or skin with copious amounts of water. Consult physician.

Section 7 – Health Hazard Data

Target Organs:

Blood

Health Effects:

May be harmful if inhaled, ingested or absorbed through skin. Use caution when handling. Common adverse effects are nausea, diarrhea, headache, abdominal pain, sinusitis, vomiting, dizziness, upper respiratory infection, peripheral edema, loose stools, arthralgia, dyspepsia, nasopharyngitis and fatigue. Other adverse effects are gastrointestinal disorders: watery stools, fecal incontinence, abnormal bowel sounds, frequent bowel movements and retching.

Section 8 – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Wear appropriate chemical resistant apparel. Avoid raising dust during clean-up. Ventilate area and wash spill site after pick-up is complete. Place waste in appropriate container for disposal.

Waste Disposal Method:

Burn in a Chemical Incinerator equipped with an afterburner and scrubber. Observe all Federal, State and Local Laws when disposing of any waste.

Precautions to Be Taken in Handling and Storage:

Avoid contact and inhalation. Keep tightly closed. Restrict handling by unqualified personnel.

Section 9 – Fire and Explosion Hazard Data

Extinguishing Media:

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures:

Wear self contained breathing apparatus and protective clothing to prevent contact with skins and eyes.

Section 10 – Transportation Information and regulatory information

DOT

Not dangerous goods

Proper Shipping Name: Environmentally hazardous substance.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

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.

05/17/2011