

Montelukast 1,2-Diol (Mixture of Diastereomers): sc-211922



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name	Montelukast 1,2-Diol (Mixture of Diastereomers)		
Catalog Number	sc-211922		
CAS#	186352-97-6		
Synonyms	1-[1-[[[(1R)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl) ethenyl]phenyl]-3-[2-(1,2-diol-2-methylethyl)phenyl]propyl]thio]methyl] cyclopropaneacetic; M6a,b;		
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 of this compound have not been thoroughly investigated

Section 3 - Physical/Chemical Characteristics

Boiling Point	N/A	Appearance and Odor	Yellow Solid
Vapor Pressure	N/A	Specific Gravity(H ₂ O=1)	N/A
Vapor Density	N/A	Melting Point	65-67°C
Solubility in Water	N/A	Evaporation Rate (Butyl Acetate=1)	N/A

Section 4 - Reactive Data

Stability	Stable, protect from light	Incompatibility (Materials to Avoid)	Strong oxidizing agents
Conditions to Avoid	Strong oxidizing agents		
Hazardous Decomposition or Byproducts	toxic fumes of Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides	Hazardous Polymerization	will not occur

Section 5 - Control Measures

Respiratory Protection	Niosh/Msha approved respirator	Ventilation	hood
Protective Gloves	chemical resistant gloves	Eye Protection	chemical safety goggles
Other Protective Clothing	lab coat, apron	Other Protection	safety shower and eye bath

Section 6 - First Aid Measures

Inhalation	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen in a non-flammable area.
Skin	In case of contact, immediately wash skin with copious amounts of soap and water for 15 minutes. Wash contaminated clothing before reuse.
Ingestion	If swallowed, rinse mouth out with water provided the person is conscious. Call a Physician.
Eyes	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes, separating the eyelids with fingers.

Section 7 - Health Hazard Data

Health Hazards
(Acute and Chronic)

The 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: Material may be irritating to mucous membranes and upper respiratory tract. Toxic if inhaled.

Ingestion: Harmful if swallowed.

additional information

The methyl-hydroxylated metabolite of Montelukast.

<i>Medical Conditions Generally Aggravated by Exposure</i>	The toxicological properties have not yet been thoroughly investigated may cause eye irritation, may cause skin irritation
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Section 8 - Precautions for Safe Handling and Use

<i>Steps to be Taken in Case Material is Released or Spilled</i>	Wear appropriate chemical resistant apparel. Ventilate area and wash spill site after pick up is complete. Place waste in bag and dispose according to local, provincial and federal regulations.
<i>Waste Disposal Method</i>	Burn in a chemical incinerator equipped with an afterburner and scrubber. Abide to local, provincial and federal regulations.
<i>Precautions to Be Taken in Handling and Storage</i>	Avoid contact and inhalation. Keep tightly closed. Restrict handling to qualified personnel.

Section 9 - Fire and Explosion Hazard Data

<i>Extinguishing Media</i>	water spray. Carbon dioxide, Dry chemical powder or appropriate foam.
<i>Special Fire Fighting Procedures</i>	wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
<i>Unusual Fire and Explosion Hazards</i>	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.

9/16/2010