15-Lipoxygenase Inhibitor I: sc-220625

MATERIAL SAFETY DATA SHEET

The Power to Question

1. Product and Company Identification

Product Name: 15-Lipoxygenase Inhibitor I
Catalog Number: sc-220625
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

Synonyms: 4-methyl-2-(4-methylpiperazinyl)pyrimido[4,5-b]benzothiazine; 15-LO Inhibitor 1;

2. Hazards Identification

Emergency Overview:
California Prop. 65 carcinogen.
Harmful.
Irritant.
Target Organ(s): central nervous system, eyes, heart, kidneys, liver, skin.
The hazards identified with this product are those associated with the solvent(s).

Route(s) of Entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection

Health Hazards (Acute and Chronic):
Causes eye, skin, or respiratory system irritation.
May be fatal by inhalation or ingestion.
May be harmful by skin absorption.
May cause cancer.
Prolonged or repeated contact can result in drying of the skin which may result in skin irritation dermatitis (rash) and/or cracking.
The toxicological properties of this product have not been fully evaluated.

LD 50 / LC 50: Please refer to Section 11.

Signs and Symptoms Of Exposure: Exposure may cause: dizziness, drowsiness, headache, and vomiting.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	EC#	RTECS #
1. 15-Lipoxygenase Inhibitor 1	928853-86-5	0.5 %	NA	NA
2. Chloroform	67-66-3	99.5 %	200-663-8	FS9100000

4. First Aid Measures

Emergency and First Aid Procedures:
If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes examined and tested by medical personnel.
In case of skin contact, immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

5. Fire Fighting Measures

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: Sealed containers may rupture when heated.

Hazardous Combustion Products: phosgene gas

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Avoid release into the environment.
Avoid breathing vapors and provide adequate ventilation.
As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. Handling and Storage

Hazard Label Information: Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation.
Wash thoroughly after handling.

Precautions To Be Taken in Handling: Avoid breathing (dust, vapor, mist, gas).
Avoid prolonged or repeated exposure.

Precautions To Be Taken in Storing: Keep tightly closed.
Store at correct temperature.

Other Precautions: Protect from air, light, and heat.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA TWA	ACGIH TLV	Other Limits
1. 15-Lipoxygenase Inhibitor 1	928853-86-5	No data.	No data.	No data.
2. Chloroform	67-66-3	CEIL: 50 ppm	TLV: 10 ppm	No data.

Protective Equipment Summary - Hazard Label Information: Compatible chemical-resistant gloves Eye wash station in work area Lab coat Safety glasses Safety shower in work area Vent Hood

Respiratory Equipment (Specify Type): NIOSH approved respirator, as conditions warrant.

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Work/Hygienic/Maintenance Practices: Do not take internally.
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): No data.

Bulk density: No data.

Vapor Pressure (vs. Air or mm Hg): 160 MM_HG at 20.0 C

Vapor Density (vs. Air = 1): No data.

Evaporation Rate (vs Butyl Acetate=1): No data.

Solubility in Water: No data.

Percent Volatile: No data.

Heat Value: No data.

Particle Size: No data.

Corrosion Rate: No data.

Formula: C16H19N5S

Molecular Weight:	313.40
pH:	No data.
Appearance and Odor:	No data available.

10. Stability and Reactivity

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	protect from air, light, and heat
Incompatibility - Materials To Avoid:	alkali metals such as sodium or potassium aluminum or magnesium powder dinitrogen tetroxide fluorine strong bases strong oxidizing agents
Hazardous Decomposition Or Byproducts:	carbon dioxide carbon monoxide chlorine phosgene gas
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

:	The toxicological effects of this product have not been thoroughly studied. Chloroform - Toxicity Data: Oral LD50 (rat): 695 mg/kg; Skin LD50 (rabbit): > 20 gm/kg; Inhalation LC50 (rat): 47,702 mg/m3 (4h); Irritation Data: Skin (rabbit)10 mg (24h) open mild; Eye (rabbit): 20 mg (24h) moderate.
Chronic Toxicological Effects:	Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Chloroform RTECS Number: FS9100000.
Carcinogenicity/Other Information:	Chloroform - IARC category 2B; NTP Carcinogen - reasonably anticipated.
Carcinogenicity:	NTP? No IARC Monographs? Yes OSHA Regulated? No

12. Ecological Information

:	Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method:	Dispose in accordance with local, state, and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)	
DOT Proper Shipping Name	Chloroform
DOT Hazard Class:	6.1
DOT Hazard Label:	TOXIC
UN/NA Number:	1888
Packing Group:	III
LAND TRANSPORT (European ADR/RID)	
ADR/RID Proper Shipping Name	Chloroform
UN Number:	1888
Packing Group:	III
AIR TRANSPORT (ICAO/IATA)	
ICAO/IATA Proper Shipping Name	Chloroform
UN Number:	1888
Packing Group:	III
IATA Classification:	6.1
Additional Transport Information:	Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

European Community Hazard Symbol codes Xn: Harmful; T: Toxic; Carcinogenic Hazard: 3

European Community Risk and Safety Phrases

R22 - Harmful if swallowed.

R38 - Irritating to skin.

R40 - Limited evidence of a carcinogenic effect.

R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

S36/37 - Wear suitable protective clothing and gloves.

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. 15-Lipoxygenase Inhibitor 1	928853-86-5	No	No	No	No
2. Chloroform	67-66-3	Yes 10000 LB	Yes 10 LB	Yes	Yes

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	HPV/LPV
1. 15-Lipoxygenase Inhibitor 1	928853-86-5	HAP, ODC ()	No	No	
2. Chloroform	67-66-3	HAP, ODC ()	No	Inventory, 8A CAIR	

16. 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.

9/7/2010