1-(8-Chloro-5-isoquinolinesulfonyl)piperazine, Dihydrochloride: sc-206110

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name **1-(8-Chloro-5-isoquinolinesulfonyl)piperazine, Dihydrochloride**

Synonyms **8-Chloro-5-(1-piperazinylsulfonyl)isoquinoline Hydrochloride; HA-156;**

Catalog Nbr **sc-206110**

Cas Reg. No **355115-40-1**

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!
HMIS Classification
Health hazard: 2 Flammability: 0 Physical hazards: 0

Section 3 - Physical/Chemical Characteristics

Boiling Point **N/A**
Vapor Pressure **N/A**
Vapor Density **N/A**
Solubility in Water **YES**

Apearance and Odor **Crystalline Solid**
Specific Gravity(H2O=1) **N/A**
Melting Point **>240°C dec.**
Evaporation Rate (Butyl Acetate=1) **N/A**

Section 4 - Reactive Data

Stability **Stable**

Conditions to Avoid **Strong oxidizing agents**

Hazardous Decomposition or Byproducts **Toxic fumes of carbon dioxide, corbon monoxide, and nitrogen oxides, HCl gas, sulfur oxides**

Incompatability (Materials to Avoid) **Strong oxidizing agents**

Hazardous Polymerization **will not occur**

Section 5 - Control Measures

Respiratory Protection **Niosh/Msha approved respirator**
Protective Gloves **Chemical resistant gloves**
Other Protective Clothing **Lab coat or apron**

Ventilation **Hood**
Eye Protection **chemical safety goggles**
Other Protection **safety shower and eye wash**

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)

Acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure (GHS)
no data available

Specific target organ toxicity - repeated exposure (GHS)
no data available

Aspiration hazard
no data available

Potential health effects
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion Toxic if swallowed.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information
Inhibits both Ca2+ dependent myosin phosphorylation by MLC-Kinase and protein kinase C.

Medical Conditions Generally Aggravated by Exposure	**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	**Dispose of in accordance with all federal, state and local environmental regulations.**
Precautions to Be Taken in Handling and Storage	**Store in a cool, dry and well ventilated area. Keep all containers securely closed when not in use.**

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media	**Water; Carbon dioxide; dry powder**
Special Fire Fighting Procedures	**vapors; reignition is always a potential. Use self-contained breathing apparatus as described above.**
Unusual Fire and Explosion Hazards	**Toxic fumes are emitted under fire conditions consisting of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur dioxide.**

Section 10 - Transportation Information and regulatory information

DOT (US)
Not dangerous goods

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.

7/14/2010