4-(Methylamino)-1-(3-pyridyl-d4)-1-butanone Dihydrochloride: sc-209850

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name **4-(Methylamino)-1-(3-pyridyl-d4)-1-butanone Dihydrochloride**

Catalog Nbr **sc-209850**

Cas Reg. No **764661-23-6**

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 tested. Exercise due care.

Section 3 - Physical/Chemical Characteristics

Boiling Point	**N/A**
Vapor Pressure	**N/A**
Vapor Density	**N/A**
Solubility in Water	**yes**
Molecular Formula	**C10H12D4Cl2N2O**
Molecular Weight	**255.18**

Apearance and Odor	**Solid**
Specific Gravity(H2O=1)	**N/A**
Melting Point	**N/A**
Evaporation Rate (Butyl Acetate=1)	**N/A**

Section 4 - Reactive Data

Stability **Hygroscopic**

Incompatability (Materials to Avoid) **N/A**

Conditions to Avoid **wet, damp locations**

Hazardous Decomposition or Byproducts **toxic fumes of carbon monoxide carbon dioxide, nitrogen oxides and hydrogen chloride gas**

Hazardous Polymerization **will not occour**

Section 5 - Control Measures

Respiratory Protection	**Niosh/Msha approved respirator**	*Ventilation*	**use in hood**
Protective Gloves	**chemical resistant gloves**	*Eye Protection*	**chemical safty goggles**
Other Protective Clothing	**lab coat or apron**	*Other Protection*	**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 min, remove contaminated clothing and shoes**

Ingestion **rinse mouth out with water provied the person is conscious. seek medical attention**

Eyes **flush eyes with copious amounts of water separating the eyelids with fingers**

Section 7 - Health Hazard Data

Health Hazards (Acute and Chronic)

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: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.

The toxicological properties have not been thoroughly investigated.

An amino ketone metabolite of nicotine, and precursor to NNK.

Medical Conditions Generally Aggravated by Exposure	**The toxicological properties have not been thoroughly investigated.** **may cause skin irritation**

Section 8 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled	**wear respirator, chemical safty 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. NOTE: Static ignition charge may result from handling and use. It is recommended that containers and equipment be electrically bonded and grounded.**

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media	**Water; Carbon dioxide; dry powder.**
Special Fire Fighting Procedures	**Use water spray to cool fire - exposed containers and structures. Use water spray to disperse any 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
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.

5/19/2010