

Gentamicin C2 Pentaacetate Salt: sc-207713



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name **Gentamicin C2 Pentaacetate Salt**

Synonyms **O-3-Deoxy-4-C-methyl-3-(methylamino)- β -L-arabinopyranosyl-(16)-O-[2,6-diamino-2,3,4,6,7-pentadeoxy- α -D-ribo-heptopyranosyl-(14)]-2-deoxy-D-streptamine Pentaacetate Salt;**

Catalog Nbr **sc-207713**

Supplier **Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800**

Cas Reg. No **25876-11-3**

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 effects have not been thoroughly tested. Exercise due care

Section 3 - Physical/Chemical Characteristics

Boiling Point **N/A**

Vapor Pressure **N/A**

Vapor Density **N/A**

Solubility in Water **N/A**

Molecular Formula **C30H61N5O17**

Molecular Weight **763.83**

Appearance and Odor

Light Beige Solid

Specific Gravity(H₂O=1)

N/A

Melting Point

104-107°C

Evaporation Rate (Butyl Acetate=1)

N/A

Section 4 - Reactive Data

Stability **stable, store under inert gas**

*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**

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 or 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)*

**To the best of our knowledge, the chemical, physical, and 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: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Antibiotic complex consists of three closely related components, gentamicins C1, C2, C1a, and also Gentamicin A which differs from the other members of the complex but is similar to Kanamycin C. Antibacterial.

*Medical Conditions
Generally Aggravated by
Exposure*

The toxicological properties have not been thoroughly tested Exercise due care.

Section 8 - Precautions for Safe Handling and Use

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

Ventilate area and wash spill site after material pickup is complete. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Evacuate the area.

Waste Disposal Method

dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

*Precautions to Be
Taken in Handling
and Storage*

Wear appropriate chemical resistant gloves & safety glasses. Use only in chemical fume hood. Store in freezer at -20°C

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media

water spray, carbon dioxide, dry chemical powder or appropriate foam.

*Special Fire Fighting
Procedures*

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

*Unusual Fire and
Explosion Hazards*

emits toxic fumes under fire conditions.

Section 10 - Transportation Information and regulatory information

Transportation 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.

5/25/2010