

3'-Epi Gemcitabine (Gemcitabine Impurity): sc-209742



The Power to Question

Material Safety Data Sheet

Section 1

Chemical Name 3'-Epi Gemcitabine (Gemcitabine Impurity)

Synonyms 4-Amino-1-(Deoxy-2,2-difluoro-D-threo-pentofuranosyl)-2(1H)-pyrimidinone; (Gemcitabine Impurity;)

Catalog No **sc-209742**

Cas Reg. No **103882-85-5**

Company 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 chemical, physical and toxicological properties of this product have not been thoroughly investigated. 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**

Appearance and Odor

White Solid

Specific Gravity(H₂O=1)

N/A

Melting Point

102-104°C

Evaporation Rate (Butyl Acetate=1) **N/A**

Section 4 - Reactive Data

Stability **Stable**

*Incompatibility
(Materials to Avoid)*

Strong oxidizing agents

Conditions to Avoid **Strong oxidizing agents**

*Hazardous
Decomposition or
Byproducts*

**Toxic fumes of carbon monoxide and
carbon dioxide, nitrogen oxides,
hydrogen fluoride**

Hazardous Polymerization

will not occur

Section 5 - Control Measures

Respiratory Protection

Niosh/Msha approved respirator

Ventilation

Use in 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

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.

Section 7 - Health Hazard Data

Health Hazards
(Acute and Chronic)

Acute toxicity
no data available

Irritation and corrosion
no data available

Sensitisation
no data available

Chronic exposure
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.

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

Potential Health Effects
Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Ingestion May be harmful if swallowed.

An impurity from the synthesis of Gemcitabine.

The toxicological properties have not been thoroughly investigated.

May be harmful by inhalation, ingestion or skin absorption. May cause irritation.
Causes nausea and vomiting. It can also cause flu-like symptoms such as fever and chills general feeling of illness, headache, muscle pain and weakness.

Medical Conditions
Generally Aggravated by
Exposure

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

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

Store in a cool, dry place. Avoid prolonged, repeated exposure. Wash after handling. Wear chemical safety goggles, chemical resistant gloves, and NIOSH/MSHA-approved respirator.

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

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.