

Mycophenolic Acid-d3 β -D-Glucuronide: sc-218897



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - General Information

Chemical Name:

Mycophenolic Acid-d3 β -D-Glucuronide

CAS Reg. Number:

31528-44-6 (unlabeled CAS)

Catalog Number:

sc-218897

Supplier:

Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 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

TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. EXERCISE DUE CARE.

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Solubility in Water:

Yes

Form:

Solid

Melting Point:

155-159° C

Vapor Pressure:

N/A

Evaporation Rate (ButylAcetate=1):

N/A

Specific Gravity(H₂O=1):

N/A

Vapor Density:

N/A

Molecular Formula:

C₂₃H₂₅D₃O₁₂

Molecular Weight:

499.48

Section 4 - Reactive Data

Stability:

Stable

Incompatibility (Materials to Avoid):

Strong oxidizing agents

Conditions to Avoid:

Strong oxidizers

Hazardous Decomposition or Byproducts:

toxic fumes of: Carbon dioxide, carbon monoxide

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.

Skin:

In case of contact, immediately wash skin with soap and copious amounts of water.

Ingestion:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Eyes:

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

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.

Toxicity data is for Mycophenolic acid (*not the glucuronide)

TARGET ORGAN(S) OR SYSTEM(S)

Spleen.

SIGNS AND SYMPTOMS OF EXPOSURE

Nausea, vomiting and diarrhea.

CONDITIONS AGGRAVATED BY EXPOSURE

The toxicological properties have not been thoroughly investigated.

TOXICITY DATA

Oral Rat

352 mg/kg

LD50

Remarks:

Behavioral: Muscle weakness.

Behavioral: Ataxia.

Gastrointestinal: Hypermotility, diarrhea.

Intraperitoneal Rat

220 MG/KG

LD50

Subcutaneous Rat

230 MG/KG

LD50

Intravenous Rat

450 MG/KG

LD50

Remarks:

Blood: Normocytic anemia.

Behavioral: Somnolence (general depressed activity).

Nutritional and Gross Metabolic: Weight loss or decreased weight gain.

Oral Mouse

1000 mg/kg

LD50

Intraperitoneal Mouse

505 MG/KG

LD50

Subcutaneous Mouse

1175 MG/KG

LD50

Oral Rabbit

> 6000 mg/kg

LD50

Intraperitoneal Mammal

1 GM/KG

LD50

Remarks:

Tumorigenic: Active as anti-cancer agent.

CHRONIC EXPOSURE – MUTAGEN

Species: Mouse

Dose: 32 MG/L

Cell Type: Other cell types

Mutation test: DNA damage

Species: Mouse

Dose: 200 NMOL/L

Cell Type: lymphocyte

Mutation test: DNA inhibition

Species: Mouse

Dose: 400 NMOL/L

Cell Type: lymphocyte

Mutation test: Other mutation test systems

Species: Mouse

Dose: 32 UG/L

Cell Type: Other cell types

Mutation test: Cytogenetic analysis

Species: Mouse

Dose: 32 UG/L

Cell Type: Other cell types

Mutation test: Mutation in mammalian somatic cells.

Species: Hamster

Dose: 2 UMOL/L

Cell Type: ovary

Mutation test: DNA inhibition

Species: Hamster

Dose: 2 UMOL/L

Cell Type: ovary

Mutation test: Other mutation test systems

Mutation test: Histidine reversion (Ames)

CHRONIC EXPOSURE – REPRODUCTIVE HAZARD

Dose: 900 MG/KG

Route of Application: Oral

Exposure Time: (30D MALE)

Result:

Paternal Effects: Testes, epididymis, sperm duct.

Paternal Effects: Prostate, seminal vesicle, Cowper's gland, accessory glands.

Medical Conditions Generally Aggravated by Exposure:

TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. PLEASE EXERCISE DUE CARE.

Section 8 - Precautions for Safe Handling and Use

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

WEAR PROTECTIVE EQUIPMENT. SWEEP UP, PLACE IN A 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 THE 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:

MECHANICAL EXHAUST REQUIRED. DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.

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.

1/25/2011