3'-Azido-3'-deoxythymidine β-D-glucuronide, sodium salt: sc-220900

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 3'-Azido-3'-deoxythymidine β-D-glucuronide, sodium salt
Product Number: sc-220900

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

2. HAZARDS IDENTIFICATION

GHS Hazards Classification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)
Acute toxicity, Oral (Category 5)
Carcinogenicity (Category 2)
GHS Hazards Identification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)
Pictogram

Signal Word Warning
Hazard Statements
H303 May be harmful if swallowed.
H351 Suspected of causing cancer.
Precautionary Statements
P281 Use personal protective equipment as required.
P308/P313 If exposed or concerned: Get medical advice/attention.
WHMIS Classification (Canada)
Very Toxic Material Causing Other Toxic Effects
Hazard Statements
D2A Carcinogen
HMIS Classification
Health hazard: 1
Chronic Health Hazard: *
Flammability: 0
Physical hazards: 0
Target Organs
Blood, Bone marrow
Potential Health Effects
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion May be harmful if swallowed.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: $C_{16}H_{20}N_5O_{10}\cdot Na$
Chemical Weight: 465.35
CAS #: 133525-01-6

4. FIRST AID MEASURES

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If Inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact

Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If Swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective Equipment for Firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Avoid dust or aerosol formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental Precautions

Do not let product enter drains.

Methods and Materials for Containment and Clean Up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid formation of dust or aerosols. Provide appropriate exhaust ventilation at places where dust/aerosol is formed. Normal measures for preventative fire protection.

Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store at -20º C under inert atmosphere.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no components with established occupational exposure limits.

Engineering Controls

Use mechanical exhaust or laboratory fume hood to avoid exposure.

Personal Protective Equipment

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand Protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid	pH	No data available
Melting Point/Freezing Point	158-163º C	Boiling Point/Boiling Range	No data available
Flash point	No data available	Upper/Lower Explosive Limits	No data available
Vapor Pressure	No data available	Density	No data available
Auto-Ignition Temperature	No data available	Water Solubility	No data available

10. STABILITY AND REACTIVITY
Chemical Stability
Stable under recommended storage conditions.
Conditions to Avoid
No data available
Materials to Avoid
Strong oxidizing materials.
Hazardous Decomposition Products
Hazardous decomposition products formed under fire conditions: carbon oxides, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION
Acute Toxicity
No data available
Irritation and corrosion
No data available
Sensitization
No data available
Carcinogenicity
While the compound has not been evaluated as a carcinogen, it may be hydrolyzed upon ingestion to 3'-Azido-deoxythymidine, which has been identified by IARC as a Group 2B: Possibly carcinogenic to humans (3'-Azido-3'-deoxythymidine)
Reproductive Toxicity/Teratogenicity
No data available
Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful 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 of this material have not been thoroughly investigated.
Additional Information
RTECS: Not listed

12. ECOLOGICAL INFORMATION
Toxicity
no data available
Bioaccumulative potential
no data available
PBT and vPvB assessment
no data available
Persistence and degradability
no data available
Mobility in soil
no data available
Other adverse effects
no data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging

Dispose of as above.

14. TRANSPORT INFORMATION

DOT (US)	IMDG	IATA
Not dangerous goods	Not dangerous goods	Not dangerous goods

15. REGULATORY INFORMATION

DSL Status

Product is not on the Canadian DSL or NDSL list.

WHMIS Classification (Canada)

Very Toxic Material Causing Other Toxic Effects

Hazard Statements

D2A Carcinogen

16. OTHER INFORMATION

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.

08/29/2014