

4-Deoxy-4-fluoro-D-glucose: sc-220935



The Power to Question

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Product Name: 4-Deoxy-4-fluoro-D-glucose
Catalog Number: sc-220935
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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Formula: C₆H₁₁FO₅
Molecular Weight: 182.15
CAS Number: 29218-07-3
EINECS Number: -

3. HAZARDS IDENTIFICATION

The toxicological properties of this material have not been fully investigated.

Target organs: None.

Potential health effects:

Eye: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Skin: May cause skin irritation.
May be harmful by skin absorption.

Inhalation: May be harmful if inhaled.
May cause respiratory tract irritation.

Chronic: No information found.

Medical conditions aggravated by exposure:

May cause more significant irritation in people with pre-existing conditions.

4. FIRST AID MEASURES

Eye contact: Immediately flush eye with copious amounts of water for at least 15 minutes.
Get medical attention immediately.

Skin contact: Get medical aid. Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.

Ingestion: Wash out mouth with water provided person is conscious. Call a physician.

Notes to physician: Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

Personal precautions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing media: In case of fire use water spray, dry chemical powder, carbon dioxide, or appropriate foam.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section.

7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Store in a tightly closed container. Store in a dry cool area. Keep away from heat, sparks, and flames. Freeze. Keep cold. Store at -20° C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment:

Eyes protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations.
Skin Protection: Wear appropriate protective gloves to prevent skin exposure.
Respiratory Protection: Follow the OSHA respirator regulations as European Standard EN 149 approved respirator when necessary.
Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid.
Molecular Formula: C₆H₁₁FO₅
Molecular Weight: 182.15 g/mol

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.
Conditions to avoid: Data not available.
Incompatibilities with other materials: Strong oxidizing agents.
Hazardous decomposition products: Toxic fumes of carbon dioxide, carbon monoxide.
Hazardous polymerizaation: Data not available.

11. TOXICOLOGICAL INFORMATION

RTCS #: Data not available.
LD50/LC50: Data not available.

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

Other studies:

Medical conditions aggravated by exposure:

May cause more significant irritation in people with pre-existing conditions.

Potential Health effects:

Eye: May cause eye irritation.
Skin: May cause skin irritation.
May be harmful by skin absorption.
Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled.
May cause respiratory tract irritation.
Chronic: No information found.

12. ECOLOGICAL INFORMATION

Data not yet available.

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

European/International Regulations: European Labeling in Accordance with EC Directives
Hazard Symbols: -
R-phrases: - Data not available.
S-phrases: **S24/25** Avoid contact with skin and eyes.
Caution: Substance not yet fully tested.

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.