6,8-Difluoro-4-methylumbelliferyl-β-D-glucopyranoside: sc-284795

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 6,8-Difluoro-4-methylumbelliferyl-β-D-glucopyranoside
Product Number: sc-284795

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

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation
Ingestion May be harmful if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Name 6,8-Difluoro-4-methylumbelliferyl β-D-glucopyranoside
Formula C16H16F2O8
Molecular Weight 374.29
CAS Number 351009-26-2

4. FIRST AID MEASURES

General Advice
Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If Inhaled
Move to fresh air. If required, give artificial respiration. Consult a physician.
In Case of Skin Contact
Remove contaminated clothing and shoes. 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. Consult a physician.
If Swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of Flammability
Not flammable or combustible.
Suitable Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Protective Equipment for Firefighters
Wear self-contained breathing apparatus and full protective gear.
Hazardous Combustion Products
Carbon oxides, Hydrogen fluoride
Explosion Data - Sensitivity to Mechanical Impacts
No data available

Explosion Data - Sensitivity to Static Discharge
No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust, vapors, mist or gas.
Environmental Precautions
Do not allow product to be released to the environment. Do not let product enter drains.
Methods and Materials for Containment and Cleaning Up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Conditions for Safe Storage
Keep container tightly closed in a dry and well-ventilated place. Ships ambient. Long term storage recommended at -20ºC.
Protection against Explosions and Fires
Keep ignition sources away.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.
Personal Protective Equipment
Respiratory Protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
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.
Eye Protection
Wear safety glasses with side-shields conforming to EN166, chemical safety goggles, or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Body Protection
Wear protective clothing.
Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Specific Engineering Controls
Use mechanical exhaust or laboratory fume hood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid	pH	no data available
Melting Point Range	132-135 °C	Boiling Point	no data available
Flash Point	no data available	Ignition Temperature	no data available
Auto-Ignition Temperature	no data available	Lower Explosion Limit	no data available
Upper Explosion Limit	no data available	Vapor Pressure	no data available
Density	no data available	Solubility	DMSO
Relative Vapor Density	no data available	Odor	no data available
Odor Threshold	no data available	Partition Coefficient:	no data available
Evaporation rate	no data available	n-octanol/water	

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under recommended storage conditions.
Possibility of Hazardous Reactions
Not determined
Conditions to Avoid
Not determined
Incompatible Materials
Acidic and basic solutions
Hazardous Decomposition Products
Formed under fire conditions: Carbon oxides, Hydrogen fluoride
Thermal Decomposition Products
Not determined
Hazardous Polymerization
Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Not determined
Skin Corrosion / Irritation
Not determined
Serious Eye Damage / Eye Irritation
Not determined
Respiratory or Skin Sensitization
Not determined
Germ Cell Mutagenicity
Not determined
Carcinogenisity
Not determined
Reproductive Toxicity
Not determined
Teratogenicity
Not determined
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System)
Not determined
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System)
Not determined
Aspiration Hazard
Not determined
Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation
Ingestion	May be harmful if swallowed

Signs and Symptoms of Exposure
Not determined
Synergistic Effects
Not determined
Additional Toxicological Information
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

12. ECOLOGICAL INFORMATION

Not determined

13. DISPOSAL CONSIDERATIONS

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. TRANSPORT INFORMATION

DOT (US)	Not classified as hazardous for transport
IMDG	Not classified as hazardous for transport
ICAO / IATA	Not classified as hazardous for transport
ADR / RID	Not classified as hazardous for transport

15. REGULATORY INFORMATION

DSL Status

The components of this product are not on the Canadian DSL list but are manufactured at <1,000kg per year.

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.

6/05/2014