

15(R)-Prostaglandin F2 α : sc-205036



MATERIAL SAFETY DATA SHEET

The Power to Question

SECTION 1. Chemical Product and Company Identification

Product Name: 15(R)-Prostaglandin F2 α
Product Number: sc-205036
Chemical Family: Prostaglandins
Synonyms: 9 α , 11 α , 15R-trihydroxy-prosta-5Z, 13E-dien-1-oic acid
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. Composition/Information on Ingredients

Hazardous Components (Specific Chemical Identity/Common Name)

Name:	15(R)-Prostaglandin F2.alpha. {15-epi Prostaglandin F2.alpha)}	
CAS #:	37658-84-7	Percentage: 1.0
Name:	Methyl acetate {Methyl ester of acetic acid}	
CAS #:	79-20-9	Percentage: 99.0

SECTION 3. Hazards Identification

Emergency Overview

No data available

Potential Health Effects (Acute and Chronic)

N/A

Route(s) of Entry: Inhalation? Yes, Skin? Yes, Eyes? Yes, Ingestion? Yes, Other: Injection

May cause eye, skin, or respiratory system irritation.

Material is irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

Repeated exposure may cause skin dryness or cracking.

Vapors may cause drowsiness and dizziness.

The toxicological properties of this compound have not been fully evaluated.

Carcinogenicity: NTP? No, IARC Monographs? No, OSHA Regulated? No

Carcinogenicity/Other Information

N/A

Signs and Symptoms Of Exposure

Irritating to the skin, eyes, nose, throat, and respiratory tract.

SECTION 4. First Aid Measures

Emergency and First Aid Procedures

If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Note to Physician

N/A

Medical Conditions Generally Aggravated By Exposure

N/A

SECTION 5. Fire Fighting Measures

Flash Pt: 15.0 F Method Used: No data

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: 936.0 F

Extinguishing Media

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Note: Flammable as diluted in methyl acetate.

Flammable Properties and Hazards

Can release vapors that form explosive mixtures at temperatures at or above the flash point.

Emits toxic fumes under fire conditions.

Flammable liquid.

Vapors can travel to a source of ignition and flash back.

Hazardous Combustion Products

carbon dioxide

carbon monoxide

SECTION 6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

After removal, ventilate contaminated area and flush thoroughly with water.

SECTION 7. Handling and Storage

Hazard Label Information:

Avoid contact with skin and eyes. Do not reuse this container.

Use with adequate ventilation. Wash thoroughly after handling.

Precautions To Be Taken in Handling:

Avoid contact with eyes, skin, and clothing. Do not reuse this container.

Keep away from sources of ignition. Use with adequate ventilation.

Wash thoroughly after handling.

Precautions To Be Taken in Storing

Store at -20° C.

Other Precautions:

Work/Hygienic/Maintenance Practices

Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Wash thoroughly after handling.

SECTION 8. Exposure Controls/Personal Protection

Protective Equipment Summary - Hazard Label Information

Eye wash station in work area Lab coat Latex disposable gloves

Safety glasses Safety shower in work area Vent Hood

Respiratory Equipment (Specify Type)

No data available.

Eye Protection

Safety glasses

Protective Gloves

Latex disposable gloves

Other Protective Clothing

Lab coat

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels.

SECTION 9. Physical and Chemical Properties

Physical States: [] Gas , [X] Liquid , [] Solid

Boiling Point: NE or NA

Melting Point: No data available.

Specific Gravity (Water = 1): NE or NA

Vapor Pressure (vs. Air or mm Hg): NE or NA

Vapor Density (vs. Air = 1): NE or NA

Evaporation Rate (vs Butyl Acetate=1): NE or NA

Solubility in Water: *10 mg/ml at 25.0 C

Other Solubility Notes: *PBS pH 7.2, sol. in DMF, DMSO, & EtOH

Percent Volatile:	NE or NA
Molecular Formula:	C20H34O5
Molecular Weight:	354.50
pH:	No data available.

SECTION 10. Stability and Reactivity

Stability:

Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

No data available.

Hazardous Decomposition Or Byproducts

carbon dioxide

carbon monoxide

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information

The toxicological effects of this compound have not been thoroughly studied.

Chronic Toxicological Effects

No data available.

SECTION 12. Ecological Information

Data not yet available.

SECTION 13. Disposal Considerations

Waste Disposal Method

Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information

DOT Proper Shipping Name

No data available.

Additional Transport Information

Transport in accordance with local, state, and federal regulations.

SECTION 15. Regulatory Information

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any guarantee with regard to the product's properties.

SECTION 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.

9/7/2011