

β -Methyl Digoxin: sc-219473



The Power to Question

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Chemical Name:	β -Methyl Digoxin
Product Code:	sc-219473
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:	Molecular weight:	CAS Number:	EINECS Number:
$C_{42}H_{66}O_{14}$	794.97	30685-43-9	-

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment:

Very toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects.

Potential health effects:

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

4. FIRST AID MEASURES

Eye contact:	Immediately flush eye with copious amounts of water for at least 15 minutes. Get medical aid 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.
Unusual fire & explosion hazards:	Fire or thermal decomposition may cause the formation of poisonous/hazardous gases/ fumes.
Flash point:	Data not available.

6. ACCIDENTAL RELEASE MEASURES

General Information:
Spills/Leaks:

Use proper personal protective equipment as indicated in Section Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section.
Do not inhale dust. Do not allow to enter sewerage system.
Avoid dust formation.

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.
Freeze. Keep cold. Store below -10 °C.
Protect from light.
Accessible only for authorized persons.

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.

Appearance: White to off-white.

Molecular formula: $C_{42}H_{66}O_{14}$

Molecular weight: 794.97 g/mol

Melting point: 227 - 231 °C

Solubility in water: Practically insoluble.

10. STABILITY AND REACTIVITY

Chemical stability: Data not available.

Conditions to avoid: Heating, moisture, incompatibles.

Incompatibilities with other materials: Oxidizing agents.

Hazardous decomposition products: Thermal decomposition may cause the formation of poisonous/hazardous gases/fumes.

Hazardous polymerization: Data not available.

11. TOXICOLOGICAL INFORMATION

RTCS #: Data not available.

Acute toxicity:

LD50:
Oral: Rat: 13060 µg/kg

LD50:
Scu: Rat: 5930 µg/kg

LD50:
Intravenous: Rat: 54500 µg/kg

LD50:
Oral: Mouse: 11100 µg/kg

LD50:
Intravenous: Mouse: 5780 µg/kg

LD50:
Scu: Mouse: 9390 µg/kg

LD50:
Oral: Guinea pig: 1800 µg/kg

LD50:
Intraperitoneal: Guinea pig: 650 µg/kg

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

Potential health effects:

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

12. ECOLOGICAL INFORMATION

Abiotic degradation: Slow degradation (air).

Do not allow to enter waters, waste water, or soil!

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

RID/ADR	Proper Shipping Name: TOXIC SOLID, ORGANIC, N.O.S. (b-Methyldigoxin). UN Number: 2811 Class: 6.1 Packing Group: I
IMDG	Proper Shipping Name: TOXIC SOLID, ORGANIC, N.O.S. (b-Methyldigoxin). UN Number: 2811 Class: 6.1 Packing Group: I
IATA	Proper Shipping Name: Toxic solid, organic, n.o.s. (b-Methyldigoxin). UN Number: 2811 Class: 6.1 Packing Group: I

15. REGULATORY INFORMATION

European/ International Regulations: Hazard Symbols:	European Labelling in Accordance with EC Directives. T+ – Toxic.	
R- phrases:	R26/27/28 R39	Very toxic by inhalation, in contact with skin and if swallowed. Danger of very serious irreversible effects.
S- phrases:	S7 S16 S36/37/39 S45	Keep container tightly closed. Keep away from sources of ignition – No smoking. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. ADDITIONAL INFORMATION

None

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.