

Pladienolide B: sc-391691



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Pladienolide B
Product Number: sc-391691
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

Emergency overview

Non-hazardous substance.

Hazard statements

none

Precautionary statements

none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Pla-B
Formula: C₃₀H₄₈O₈
Molecular weight: 536.70
CAS #: 445493-23-2

4. FIRST AID MEASURES

General advice

First aid is not generally required after exposure, however, if discomfort, skin or eye irritation or difficulty breathing develop, seek medical attention.

If inhaled

If breathed in, move person into well ventilated area. If discomfort or difficulty breathing develop seek medical attention.

In case of skin contact

Wash contaminated skin and hair with soap and water. If discomfort or irritation develop, seek medical attention.

In case of eye contact

Flush eyes with water as a precaution. If discomfort or irritation develop, seek medical attention.

If swallowed

Following ingestion, immediately give a glass of water. If discomfort develops, seek medical attention.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Select fire fighting media appropriate to the other materials involved in the fire.

Hazardous combustion products

No available data

Special protective equipment for firefighters

Material may be flammable at high temperatures. It is recommended that fire fighters should wear protective gear and self-contained breathing apparatus to limit personal exposure.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing dust, vapors, mist or gas. Evacuate personnel to safe areas.

Environmental precautions

Not applicable

Methods and materials for containment and clean up

Contain spillage. Sweep up spill and dispose of all contaminated materials safely. Wash spill site with water until all material has been removed.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Wash thoroughly after handling the material.

Conditions for safe storage

Store at -20 °C. Store at the indicated temperature in a tightly closed container.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment

During routine use, wear suitable protective clothing; laboratory coat, gloves and safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	solid	Melting point	no data available
Boiling point	no data available	Upper/Lower Explosion limits	no data available
Flash point	no data available	Flammability	no data available
Solubility	ethanol, methanol, DMF or DMSO.		

10. STABILITY AND REACTIVITY

Chemical reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Conditions to avoid

No data available

Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50: no data available

InhalationLD50: no data available

Dermal LD50: no data available

Other toxicity: no data available

Skin corrosion / irritation

no data available

Serious eye damage / eye irritation

No data available

Respiratory or skin irritation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity- Single exposure (globally harmonized system)

No data available

Specific target organ toxicity- Repeated exposure (globally harmonized system)

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation: No data available

Ingestion: No data available

Skin: No data available

Eyes: No data available

Signs and symptoms of exposure

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

Synergistic effects

No data available

Additional information

RTECS No.: No data available

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**

Dispose as for other chemical waste.

Contaminated packaging

Dispose of as for unused product

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION**Labelling according to EC directives****Hazard Symbols**

Not applicable

R-Phrases

Not applicable

S-Phrases

Not applicable

SUSDP (Australia only)

Not Scheduled

Chemical safety assessment

Not carried out

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.

11/12/2013