

# Galanthamine: sc-218556



The Power to Question

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Galanthamine  
**Catalog Number:** sc-218556  
**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. HAZARDS IDENTIFICATION

#### WHMIS Classification

D1A Very Toxic Material Causing Immediate and Serious Toxic Effects Highly toxic by ingestion  
Highly toxic by skin absorption

#### HMIS Classification

**Health hazard:** 3  
**Flammability:** 0  
**Physical hazards:** 0

#### Potential Health Effects

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

#### GHS Classification

Acute toxicity, Oral (Category 2)  
Acute toxicity, Dermal (Category 2)

#### GHS Label elements, including precautionary statements

Signal word Danger

#### Hazard statements

H300 Fatal if swallowed.  
H310 Fatal in contact with skin.

#### Precautionary statements

P262 Do not get in eyes, on skin, or clothing.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/eye protection/face protection.  
P301/P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P302/P350 IF ON SKIN: Gently wash with soap and water.  
P310 Immediately call a POISON CENTER or doctor/physician.

#### GHS Label Pictogram



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Molecular Formula:** C<sub>17</sub>H<sub>21</sub>NO<sub>3</sub>  
**Molecular Weight:** 287.35  
**CAS Registry #:** 357-70-0  
**EC#:**  
**Synonyms:** (4aS,6R,8aS)-4a,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6H-benzofurool [3a,3,2,-ef][2]benzazepin-6-ol; BRN 0093736; Galantamin; Galantamina; Galantamine; (-)-Galanthamine; Jilikon; Lycoremin; Lycoremine; NSC 100058;

### 4. FIRST AID MEASURES

#### General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

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 and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Use personal protective equipment. Avoid dust or aerosol formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust or aerosols. Provide appropriate exhaust ventilation at places where dust/aerosol is formed. Normal measures for preventative fire protection.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place. Store at -20°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

**Personal protective equipment****Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. 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**

Face shield or safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

Complete suit protecting against chemicals, if needed after risk assessment. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**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 fumehood to avoid exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid	Melting point	119-121°C	Vapour pressure	N/A
pH	N/A	Flash point	N/A	Water solubility	N/A
Boiling point	N/A	Lower explosion limit	N/A	Upper explosion limit	N/A
Ignition temperature	N/A			Density	N/A

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Conditions to avoid

no data available

### Materials to avoid

Strong oxidizing agents.

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: carbon oxides, nitrogen oxides, hydrogen bromide.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

LD50 (subcutaneous - mouse) 14 mg/kg

LD50 (intraperitoneal - mouse) 10 mg/kg

### Irritation and corrosion

no data available

### Sensitization

no data available

### Carcinogenicity

IARC: To the best of our knowledge, this compound has not been identified as a possible or potential human carcinogen by IARC.

### Reproductive toxicity/Teratogenicity

no data available

### Additional Information

RTECS: LW5952100

### Potential health effects

#### Inhalation

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

#### Skin

May be fatal if absorbed through skin. May cause skin irritation.

#### Eyes

May cause eye irritation.

#### Ingestion

May be fatal if swallowed.

### Signs and Symptoms of Exposure

Heavy salivation and secretion in the lungs, lachrymation, blurred vision, involuntary defecation, diarrhea, tremor, ataxia, sweating, hypothermia, lowered heart rate. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

### Toxicity

no data available

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### PBT and vPvB assessment

no data available

### Other adverse effects

no data available

## 13. DISPOSAL CONSIDERATIONS

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### DOT (US)

UN-Number: 2811 Class: 6.1 Packing group: II

Proper shipping name: Toxic solid, organic, n.o.s. (Galanthamine)

Marine pollutant: No

Poison Inhalation Hazard: No

### IMDG

UN-Number: 2811 Class: 6.1 Packing group: II EMS-No: F-A, S-A

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Galanthamine)

Marine pollutant: No

### IATA

UN-Number: 2811 Class: 6.1 Packing group: II

Proper shipping name: Toxic solid, organic, n.o.s. (Galanthamine)

## 15. REGULATORY INFORMATION

### DSL Status

Product is not on the Canadian DSL or NDSL list.

### WHMIS Classification

D1A Very Toxic Material Causing Immediate  
and Serious Toxic Effects

Highly toxic by ingestion  
Highly toxic by skin absorption

## 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.*

7/11/2011