



The Power to Question

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.

Revision date 23-Nov-2016

Version 1.3

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Cilnidipine

**Product Code** SC-201485

**Recommended use** For research use only. Not intended for diagnostic or therapeutic use.

**Company**  
 Santa Cruz Biotechnology, Inc.  
 10410 Finnell Street  
 Dallas, TX 75220  
 831.457.3800  
 800.457.3801  
 scbt@scbt.com

**Emergency telephone number**  
 Chemtrec  
 1.800.424.9300 (Within USA)  
 +1.703.527.3887 (Outside USA)

## 2. HAZARDS IDENTIFICATION

**Signal word** ATTENTION

**Emergency Overview** Contains a known or suspected reproductive toxin  
 Severe eye irritation  
 Vapors may be irritating to eyes, nose, throat, and lungs  
 Product dust may be irritating to eyes, skin and respiratory system

**Potential health effects**

Eyes Avoid contact with eyes. Risk of serious damage to eyes.

Skin Avoid contact with skin. May cause irritation.

Inhalation May cause irritation of respiratory tract.

Ingestion Ingestion may cause irritation to mucous membranes.

Chronic Toxicity Avoid repeated exposure.

**Hazards not otherwise classified (HNOC)**  
 Hazards not otherwise classified (HNOC) Not applicable

**Environmental Hazard** See Section 12: ECOLOGICAL INFORMATION.

|             |                                  |   |  |             |                     |   |
|-------------|----------------------------------|---|--|-------------|---------------------|---|
| <b>NFPA</b> | Health hazards                   | 2 |  | <b>HMIS</b> | Health hazards      | 2 |
|             | Flammability                     | 1 |  |             | Flammability        | 1 |
|             | Stability                        | 0 |  |             | Physical hazards    | 0 |
|             | Physical and chemical properties | - |  |             | Personal protection | - |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product Name** Cilnidipine

**Molecular Weight** 492.5

**Formula** C<sub>27</sub>H<sub>28</sub>N<sub>2</sub>O<sub>7</sub>



## 4. FIRST AID MEASURES

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|                                    |   |
|------------------------------------|---|
| General advice                     | If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.   |
| Eye contact                        | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.              |
| Skin Contact                       | Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is not required. If skin irritation persists, call a physician.   |
| Inhalation                         | Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician. |
| Ingestion                          | Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.  |
| Note to physicians                 | Treat symptomatically.  |
| Self-protection of the first aider | Use personal protective equipment as required.  |

## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Suitable Extinguishing Media      Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

### Specific hazards arising from the chemical

|                               |  |
|-------------------------------|--|
| Flammable properties          | Not determined.                                    |
| Flash point °C                | 348.5  |
| Hazardous combustion products | Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ). |

### Explosion data

|                                  |                           |
|----------------------------------|---------------------------|
| Sensitivity to Mechanical Impact | No information available. |
| Sensitivity to Static Discharge  | No information available. |

### Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters      Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

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|                           |   |
|---------------------------|---|
| Personal precautions      | Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.  |
| Environmental precautions | Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.  |
| Methods for containment   | Prevent further leakage or spillage if safe to do so.   |
| Methods for cleaning up   | Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges. |

## 7. HANDLING AND STORAGE

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|-------------------------|--|
| Advice on safe handling | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Corrosive hazard. Wear protective gloves/clothing and eye/face protection. |
| Storage Conditions      | Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.   |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure controls

|                      |  |
|----------------------|--|
| Engineering Controls | Showers<br>Eyewash stations<br>Ventilation systems |
|----------------------|--|

### Personal protective equipment (PPE)

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|--------------------------------|--|
| Eye/face protection            | Tight sealing safety goggles. Face protection shield.  |
| Skin and Body Protection       | Suitable protective clothing. Apron. Gloves made of plastic or rubber.                                       |
| Respiratory protection         | Ensure adequate ventilation, especially in confined areas.   |
| General Hygiene Considerations | When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|                |                          |
|----------------|--------------------------|
| Physical State | Solid                    |
| Appearance     | No information available |
| Odor           | characteristic           |

| <u>Property</u>              | <u>Values</u>            |
|------------------------------|--------------------------|
| pH                           | No information available |
| Melting point/freezing point | 110 °C                   |
| Boiling point                | 652.6 °C                 |
| Flash point                  | 348.5 °C                 |
| Density                      | 1.2 g/cm <sup>3</sup>    |
| Evaporation rate             | No information available |
| Upper flammability limits    | No information available |
| Lower flammability limit     | No information available |
| Vapor pressure               | 0 mmHg                   |
| Vapor density                | No information available |
| Specific gravity             | No information available |
| Water solubility             | No information available |
| Solubility in other solvents | No information available |
| Partition coefficient        | 4.70                     |
| Autoignition temperature     | No information available |
| Decomposition temperature    | No information available |
| Kinematic viscosity          | No information available |
| Explosive properties         | No information available |
| Oxidizing properties         | No information available |

## 10. STABILITY AND REACTIVITY

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|            |                |
|------------|----------------|
| Reactivity | Not applicable |
|------------|----------------|

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|                                  |   |
|----------------------------------|---|
| Stability                        | Stable under recommended storage conditions.                          |
| Incompatible materials           | Incompatible with oxidizing agents.                                   |
| Conditions to avoid              | Heat, flames and sparks. Extremes of temperature and direct sunlight. |
| Hazardous Decomposition Products | Carbon oxides. Nitrogen oxides (NOx).                                 |
| Hazardous polymerization         | Hazardous polymerization does not occur                               |

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

### Chronic Toxicity

Chronic Toxicity Avoid repeated exposure.  
Target Organ Effects None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.  
Persistence and degradability No information available.  
Bioaccumulation No information available.

## 13. DISPOSAL CONSIDERATIONS

Disposal considerations Disposal should be in accordance with applicable regional, national and local laws and regulations.  
Contaminated packaging Do not reuse container.

## 14. TRANSPORT INFORMATION

DOT Not regulated  
IATA Not regulated  
IMDG Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

**All of the components in the product are on the following Inventory lists** No information available

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances



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## US Federal Regulations

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive hazard                   | No  |

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

## US State Regulations

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### **U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

## Mexico Regulatory Information

## Canada Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

|                    |                |
|--------------------|----------------|
| WHMIS Hazard Class | Non-controlled |
|--------------------|----------------|

## **16. OTHER INFORMATION**

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|----------------------|--------------------------|
| <b>Revision date</b> | 23-Nov-2016              |
| <b>Revision note</b> | No information available |

### **Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**