

Material Safety Data Sheet

Y-27632

Cat. No: 07171, 07172

1 Product and Company Identification

- 1.1 Product Name:** Y-27632
- 1.2 Catalog Number:** 07171, 07172
- 1.3 Synonyms:** Rho-Associated Coil Kinase (ROCK) Inhibitor; (R)-(+)-*trans*-N-(4-Pyridyl)-4-(1-aminoethyl)-cyclohexanecarboxamide, Dihydrochloride
- 1.4 Product Use:** Cell culture
- 1.5 Manufacturer/Supplier:** STEMCELL Technologies Inc.
Suite 400, 570 West 7th Avenue
Vancouver, BC V5Z 1B3
Canada
- 1.6 In Case of Emergency Call:** 604-877-0713
- 1.7 Date Effective:** February 1, 2011
- 1.8 Prepared By:** Quality Control

2 Composition / Information on Ingredients

2.1 Component	CAS No.	%W/W
Y-27632	146986-50-7	≥ 95%

3 Hazards Identification

- 3.1 Emergency Overview:** This product is a potential irritant to eyes, respiratory system, and skin. This product may also be harmful if ingested. Complete toxicological properties have yet to be determined.
- 3.2 Routes of Exposure:** Absorbed through skin, eye contact, inhalation, and ingestion.
- 3.3 Potential Health Effects:**
- 3.3.1 Eye:** May cause eye irritation.
- 3.3.2 Skin:** May cause skin irritation.
- 3.3.3 Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
- 3.3.4 Ingestion:** May be harmful if swallowed.
- 3.4 Chronic Effects/Carcinogenicity:** Not Available
- 3.5 OSHA Regulatory Status:** Not Available

4 First Aid Measures

- 4.1 Eyes:** In case of contact with eyes, flush thoroughly with water for at least 15 minutes. Call a physician.
- 4.2 Skin:** In case of contact with skin, wash the affected area with soap and copious amounts of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Call a physician.
- 4.3 Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Call a physician.
- 4.4 Inhalation:** If inhaled, remove person to fresh air. If breathing becomes difficult give oxygen and call a physician. If not breathing, give artificial respiration.

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4.5 Puncture Wounds: Wash thoroughly with soap and water. Allow to bleed freely. Call a physician.

4.6 Note to Physician: Not Available

5 Fire Fighting Measures

5.1 Flash Point/Method: Not Available

5.2 Explosive Limits:

5.2.1 Upper: Not Available

5.2.2 Lower: Not Available

5.3 Autoignition Temperature: Not Available

5.4 Hazardous Combustion Products: May emit carbon oxides, nitrogen oxides and halogenated compounds.

5.5 Conditions of Flammability: May be combustible at high temperature.

5.6 Extinguishing Media: Small fire: Use dry chemical powder. Large fire: Use water spray, fog or foam. Do not use water jet.

5.7 Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5.8 Explosion Data:

5.8.1 Sensitivity to Mechanical Impact: Not Available

5.8.2 Sensitivity to Static Discharge: Not Available

6 Accidental Release Measures

6.1 Leak and Spill Procedure: Wear appropriate protective clothing. Cover spillage with suitable absorbent material. Using non-spark tools, sweep up material and place in an appropriate container. Decontaminate spill site with 10% caustic solution and ventilate area until after disposal is complete. Dispose of according to local and regional authority requirements.

7 Handling and Storage

7.1 Handling: Use in a chemical fume hood, with air supplied by an independent system. Keep away from heat and sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.

7.2 Storage: Store at -20°C. Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 Exposure Controls/Personal Protection

8.1 Engineering Controls: Chemical fume hood. Safety shower and eye bath.

8.2 Personal Protective Equipment:

8.2.1 Respiratory Protection: Wear dust respirator.

8.2.2 Eye Protection: Safety glasses.

8.2.3 Skin Protection: Lab coat, latex gloves.

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8.3 General Hygiene Considerations: Wash hands, forearms and face thoroughly after use.

8.4 Exposure Limits:

8.4.1 ACGIH TLV-TWA: Not Available

8.4.2 OSHA PEL-TWA: Not Available

9 Physical/Chemical Properties:

9.1 Appearance: White to yellowish powder

9.2 Odor: None

9.3 Physical State: Solid

9.4 pH: Not Available

9.5 Boiling Point: Not Available

9.6 Melting Point: Not Available

9.7 Freezing Point: Not Available

9.8 Vapor Pressure: Not Available

9.9 Vapor Density: Not Available

9.10 Specific Gravity: Not Available

9.11 Evaporation Rate: Not Available

9.12 Solubility in Water: Soluble in cold water.

9.13 Odor Threshold: Not Applicable

9.14 Coefficient of Water/Oil Distribution: Not Available

10 Stability/Reactivity:

10.1 Chemical Stability: Stable

10.2 Conditions to Avoid: Sensitive to light.

10.3 Incompatibility (Material to Avoid): Not Available.

10.4 Hazardous Decomposition/By-Products: Carbon oxides, nitrogen oxides, halogenated compounds

10.5 Hazardous Polymerization: Not Available

11 Toxicological Information

11.1 Effects of Short-Term Exposure: Not Available

11.2 Effects of Long-Term Exposure: Not Available

11.3 Irritancy of Product: Not Available

11.4 Sensitization to Product: Not Available

11.5 Carcinogenicity: Not Available

11.6 Reproductive Toxicity: Not Available

11.7 Teratogenicity and Embryotoxicity: Not Available

11.8 Mutagenicity: Not Available

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11.9 Name of Toxicologically Synergistic Products:	Not Available
11.10 LD50 (specify species and route):	Not Available
11.11 LC50 (specify species):	Not Available

12 Ecological Information

12.1 Not Available

13 Disposal Considerations

13.1 Waste Disposal Method: Disposal should be in accordance with existing practices at your institution. Observe all Federal, Provincial/State and Local Laws.

14 Transport Information

14.1 Transport Canada

14.1.1 **PIN No.:** Not Available

14.2 U.S. Department of Transportation:

14.2.1 **Proper Shipping Name:** Not Available

14.2.2 **Hazard Class:** This substance is not known to be hazardous for transport.

14.2.3 **ID. Number:** Not Available

14.2.4 **Packing Group:** Not Available

14.2.5 **Label Statement:** Not Available

15 Regulatory Information

15.1 **WHMIS Classification:** Not Available

15.2 **Note:** This MSDS was prepared according to the Canadian Controlled Products Regulation and contains all of the information required by those regulations.

16 Other Information

16.1 **Preparation Information:** Refer to PIS No. 07171, 07172.

16.2 **This MSDS has been revised in the following section(s):** Not Applicable

16.3 **Original Issue Date:** April 9, 2008

16.4 **Notice:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. StemCell Technologies Inc., shall not be held liable for any damage resulting from handling or from contact with the product. The information contained in this Material Safety Data Sheet (MSDS) is current as of the Date Prepared shown in Section 1.7 of this document and may be subject to ammendment by StemCell Technologies Inc.

16.5 **Disclaimer:** **THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT USED FOR DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**