

Y-27632 Dihydrochloride SDS | MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Y-27632 Dihydrochloride
- **Catalog Number:** S1049
- **CAS Number:** 129830-38-2
- **IUPAC Name:** (1R,4r)-4-((R)-1-aminoethyl)-N-(pyridin-4-yl)cyclohexanecarboxamide dihydrochloride

Relevant identified uses and uses advised against

- **Identified uses:** For research and development use only; laboratory chemicals; manufacture of substances.
- **Uses advised against:** Not for pharmaceutical, household, or other unapproved uses.

Details of the supplier

- **Company :** Selleck Chemicals
- **TollFree :** +1 877 796-6397
- **Tel :** +1 832 582-8158
- **Fax :** +1 832 582-8590

Emergency telephone number

- **Emergency phone #:** +1 832 582-8158

2. HAZARDS IDENTIFICATION

GHS Classification

In accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200), this substance is not classified as a hazardous substance or mixture.

GHS Label Elements

- **Pictogram:** None required.
- **Signal Word:** None required.
- **Hazard Statements:** None required.
- **Precautionary Statements:** None required.

Other Hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

Chemical Name: (1R,4r)-4-((R)-1-aminoethyl)-N-(pyridin-4-yl)cyclohexanecarboxamide dihydrochloride

Components: No hazardous ingredients are present in this substance.

4. FIRST AID MEASURES

- **If Inhaled:** Move person into fresh air.
- **In Case of Skin Contact:** Immediately remove all contaminated clothing. Rinse skin with water or shower.
- **In Case of Eye Contact:** Rinse thoroughly with plenty of water. Remove contact lenses if present.
- **If Swallowed:** Have the victim drink water (maximum of two glasses). Consult a physician if feeling unwell.
- **Most Important Symptoms and Effects:** The most important known symptoms and effects are described in the labeling (Section 2) and/or in Section 11.
- **Protection of First-Aiders:** Refer to Section 8 for personal protective equipment.
- **Notes to Physician:** N/A.

5. FIREFIGHTING MEASURES

- **Suitable Extinguishing Media:** Water, foam, carbon dioxide (CO₂), or dry powder.
- **Unsuitable Extinguishing Media:** No limitations of extinguishing agents are given for this substance.
- **Specific Hazards:** The product is combustible. Hazardous combustion gases or vapors (carbon oxides, nitrogen oxides, hydrogen chloride gas) may be produced in the event of a fire.
- **Specific Extinguishing Methods:** N/A.
- **Further Information:** Use water spray to suppress gases, vapors, or mists. Prevent firefighting water from contaminating surface or ground water systems.
- **Special Protective Equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions and Emergency Procedures:** For non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area and consult an expert. For emergency responders: Use personal protection as recommended in Section 8.
- **Environmental Precautions:** Do not allow the product to enter drains.
- **Methods and Materials for Containment and Cleaning Up:** Cover drains. Collect, bind, and pump off spills. Observe material restrictions (Sections 7 and 10). Take up dry and dispose of properly. Clean the affected area and avoid the generation of dusts.

7. HANDLING AND STORAGE

- **Precautions for Safe Handling:** For precautions, see Section 2.2.
- **Conditions for Safe Storage:** Keep container tightly closed in a dry place.
- **Storage Class:** 11 (Combustible Solids).
- **Recommended Storage Temperature:** 36 - 46 °F / 2 - 8 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Control Parameters:** Contains no substances with occupational exposure limit values.
- **Engineering Measures:** N/A.
- **Personal Protective Equipment:**
 - **Respiratory Protection:** Required when dusts are generated. Recommended filter type: P1 (based on DIN EN 143/14387).
 - **Hand Protection:** Handle with nitrile rubber gloves. Full and splash contact: Minimum layer thickness 0.11 mm, break through time 480 min (e.g., KCL 741 Dermatril® L).
 - **Eye Protection:** Use safety glasses tested and approved under standards such as NIOSH (US) or EN 166 (EU).
 - **Hygiene Measures:** Change contaminated clothing. Wash hands after working with the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** powder
- **Color:** White
- **Odor:** N/A.
- **Odor Threshold:** N/A.
- **pH:** N/A.
- **Melting Point:** N/A.
- **Boiling Point:** N/A.
- **Flash Point:** N/A.
- **Evaporation Rate:** N/A.
- **Flammability (solid, gas):** N/A.
- **Upper/Lower Explosion Limit:** N/A.
- **Vapor Pressure/Density:** N/A.
- **Relative Density/Density:** N/A.
- **Water Solubility:** N/A.
- **Partition Coefficient (n-octanol/water):** N/A.
- **Autoignition Temperature:** N/A.
- **Decomposition Temperature:** N/A.
- **Viscosity:** N/A.
- **Explosive Properties:** Not classified as explosive.
- **Oxidizing Properties:** None.
- **Molecular Weight:** 320.26 g/mol.

10. STABILITY AND REACTIVITY

- **Reactivity:** Flammable organic substances in fine distribution may have dust explosion potential when whirled up.
- **Chemical Stability:** Stable under standard ambient conditions (room temperature).
- **Possibility of Hazardous Reactions:** N/A.
- **Conditions to Avoid:** No information available.
- **Incompatible Materials:** N/A.
- **Hazardous Decomposition Products:** In the event of fire, see Section 5.

11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** N/A for oral, inhalation, or dermal routes.
- **Skin Corrosion/Irritation:** N/A.
- **Serious Eye Damage/Irritation:** N/A.
- **Respiratory or Skin Sensitization:** N/A.
- **Germ Cell Mutagenicity:** N/A.
- **Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, NTP, or OSHA.
- **Reproductive Toxicity:** N/A.
- **STOT - Single/Repeated Exposure:** N/A.
- **Aspiration Hazard:** N/A.
- **Additional Information:** N/A.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** N/A.
- **Persistence and Degradability:** N/A.
- **Bioaccumulative Potential:** N/A.
- **Mobility in Soil:** N/A.
- **Other Adverse Effects:** This product does not contain any Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602.

13. DISPOSAL CONSIDERATIONS

- **Waste Treatment Methods:** Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in original containers. Do not mix with other waste. Handle uncleaned containers as the product itself.

14. TRANSPORT INFORMATION

- **DOT (49 CFR):** Not regulated as a dangerous good.
- **IMDG:** Not regulated as a dangerous good.

- **IATA:** Not regulated as a dangerous good.
- **Transport in Bulk:** Not applicable for product as supplied.
- **Poison Inhalation Hazard:** No.

15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

The components of this product are reported in the following inventories:

TSCA: Product contains substance(s) not listed on TSCA inventory.
(1R,4r)-4-((R)-1-aminoethyl)-N-(pyridin-4-yl)cyclohexanecarboxamide dihydrochloride

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16. OTHER INFORMATION

Revision Date: 2026/06/05

Further Information: The information provided is believed to be correct but is not exhaustive and should be used only as a guideline based on current knowledge. It does not represent a guarantee of the properties of the product. Selleck Chemicals Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.