

SAFETY DATA SHEET:

Stemolecule™ Y27632



1. IDENTIFICATION

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| 1.1. Product name | Stemolecule™ Y27632 |
| 1.2. Catalog number | 04-0012, 04-0012-10 |
| 1.3. Uses and restrictions | For research use only. Not for use in diagnostic or therapeutic applications |
| 1.4. Manufacturer/Supplier | REPROCELL USA
9000 Virginia Manor Road
Beltsville, MD 20705
301-470-3362 |
| 1.5. In case of emergency | <ul style="list-style-type: none">• For medical emergencies, contact your local emergency center.• For transportation emergencies, contact your local transportation authorities.• For other non-medical or non-environmental emergencies please call +1 (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday. |

2. HAZARDS IDENTIFICATION

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| 2.1. GHS classification according to Annex II and US OSHA HCS | Not a hazardous substance or mixture |
| 2.2. Signal word | Not applicable |
| 2.3. Symbol | Not applicable |
| 2.4. Hazard statement(s) | Not applicable |
| 2.5. Precautionary statement(s) | Not applicable |
| 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS | None |

3. COMPOSITION / INFORMATION ON INGREDIENTS

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| 3.1 Chemical name | Stemolecule Y27632 |
| 3.2 Synonyms | (1 <i>R</i> , 4 <i>R</i>)-4-(<i>R</i>)-1 aminoethyl)- <i>N</i> -(pyridine-4-yl)cyclohexanecarboxamide dihydrochloride |
| 3.3 Chemical formula | C ₁₄ H ₂₃ Cl ₂ N ₃ O |
| 3.4 Molecular weight | 320.3 g/mol |
| 3.5 CAS number | 146986-50-7 |

4. FIRST AID MEASURES

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| 4.1 First aid instructions | |
| <ul style="list-style-type: none">• General advice | Move out of exposure area. Consult a physician. |
| <ul style="list-style-type: none">• Eyes | Check for and remove contact lenses immediately. Flush thoroughly with water for at least 15 minutes. Call a physician. |



- Skin
Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician
 - Ingestion
If swallowed, wash mouth out with water provided the victim is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.
 - Inhalation
If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.
 - Puncture wounds
Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician
- 4.2 Most important symptoms/effects, acute and immediate Described in section 2.
- 4.3 Indications of immediate medical attention and special treatment needed No data available.

5. FIRE FIGHTING MEASURES

- 5.1 Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- 5.2 Specific hazards arising from the chemical Carbon oxides, nitrogen oxides, hydrogen chloride gas
- 5.3 Special protective equipment and precautions for firefighters Wear self-contained breathing apparatus and full turnout gear for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment (Section 8). Avoid direct contact with skin or eyes and prevent inhalation of dust. Ensure adequate ventilation. Avoid dust formation.
- 6.2 Environmental precautions Do not let product enter drain.
- 6.3 Methods and materials for containment and clean up Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling
- Avoid inhalation, contact with eyes, skin, and clothing.
 - Avoid prolonged or repeated exposure
 - Provide appropriate exhaust ventilation at places where dust is formed.
 - For other precautions see section 2.5.
- 7.2. Conditions for safe storage, including any incompatibilities Keep tightly closed. Store at 4°C, protected from light.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	No known occupational exposure limits.
8.2 Appropriate engineering controls	Safety shower and eye wash. Mechanical exhaust required.
8.3 Protection measures and personal protective equipment	Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.
• Respiratory protection	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) particle respirator.
• Eye protection	Chemical safety goggles.
• Skin protection	Protective gloves and lab coat.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1 Appearance	White solid
9.2 Odor	No data available.
9.3 Odor threshold	No data available
9.4 pH	No data available.
9.5 Melting point / freezing point	No data available.
9.6 Initial boiling point and boiling range	No data available.
9.7 Flash point	No data available.
9.8 Evaporation rate	No data available.
9.9 Flammability (solid, gas)	No data available.
9.10 Upper/lower flammability or explosive limits	No data available.
9.11 Vapor pressure	No data available.
9.12 Vapor density	No data available.
9.13 Relative density	No data available.
9.14 Solubility(ies)	100 mM in dimethyl sulfoxide
9.15 Partition coefficient: n-octanol/water	No data available
9.16 Auto-ignition temperature	No data available.
9.17 Decomposition temperature	No data available.
9.18 Viscosity	No data available.
9.19 Explosive properties	No data available.
9.20 Oxidizing properties	No data available.

10. STABILITY/REACTIVITY

10.1 Reactivity	No data available.
10.2 Chemical stability	This product is stable under recommended storage conditions.
10.3 Possible of hazardous reactions	No data available.



10.4 Conditions to avoid	No data available.
10.5 Incompatible materials	Acids. Bases. Strong oxidizing agents.
10.6 Hazardous decomposition products	No data available.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicological effects

<ul style="list-style-type: none">Acute toxicity	<ul style="list-style-type: none">LD₅₀ Oral – Rat: 300 mg/kgInhalation : No data availableDermal: No data availableLD₅₀ Intravenous – Rat: 400 mg/kg
<ul style="list-style-type: none">Skin corrosion / irritation	No data available.
<ul style="list-style-type: none">Serious eye damage / eye irritation	No data available.
<ul style="list-style-type: none">Respiratory or skin sensitization	No data available.
<ul style="list-style-type: none">Germ cell mutagenicity	No data available.
<ul style="list-style-type: none">Carcinogenicity	<ul style="list-style-type: none">IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.NTP: No components of the product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
<ul style="list-style-type: none">Reproductive toxicity	No data available.
<ul style="list-style-type: none">Specific target organ toxicity – single exposure	No data available.
<ul style="list-style-type: none">Specific target organ toxicity – repeated exposure	No data available.
<ul style="list-style-type: none">Aspiration Hazard	No data available.
11.2 Symptoms related to the physical, chemical and toxicological characteristics	No data available
11.3 Effects of short term exposure.	No data available.
11.4 Effects of long term exposure	No data available.
11.5 Numerical measures of toxicity	No data available.
11.6 Other information	None

12. ECOLOGICAL INFORMATION

12.1 Toxicity	No data available.
12.2 Persistence and degradability	No data available



12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	No data available.
12.6 Other adverse effects	No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal method	Unused product and waste must be disposed of in accordance with federal, state, and local environmental control regulations.
13.2 Personal safety	Refer to section 8.

14. TRANSPORT INFORMATION

<ul style="list-style-type: none"> • DOT (US) • IMDG • IATA 	<p>This product is considered non-hazardous for transport.</p> <p>This product is considered non-hazardous for transport.</p> <p>This product is considered non-hazardous for transport.</p>
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15. REGULATORY INFORMATION

U.S. Federal Regulations	
<ul style="list-style-type: none"> • SARA 313 components 	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.
<ul style="list-style-type: none"> • SARA 302 components 	Does not contain any components subject to reporting.
<ul style="list-style-type: none"> • SARA 311/312 Hazards 	Acute health hazard
<ul style="list-style-type: none"> • Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61) 	Does not contain any components subject to reporting.
U.S. State Regulations	
<ul style="list-style-type: none"> • California Proposition 65 	Does not contain any components subject to reporting.
<ul style="list-style-type: none"> • Massachusetts Right to Know Components 	Does not contain any components subject to reporting.
<ul style="list-style-type: none"> • Pennsylvania Right to Know Components 	(1 <i>R</i> , 4 <i>R</i>)-4-(<i>R</i>)-1 aminoethyl)- <i>N</i> -(pyridine-4-yl)cyclohexanecarboxamide dihydrochloride, CAS No. 146986-50-7
<ul style="list-style-type: none"> • New Jersey Right to Know Components 	(1 <i>R</i> , 4 <i>R</i>)-4-(<i>R</i>)-1 aminoethyl)- <i>N</i> -(pyridine-4-yl)cyclohexanecarboxamide dihydrochloride, CAS No. 146986-50-7
WHMIS Hazard Class	Not controlled under WHMIS (Canada).
Regulation (EC) No 1272/.2008 (EU-GHS/CLP)	Not hazardous
Directive 67/548/EC & Directive 1999/45/EC	Not hazardous



16. OTHER INFORMATION

Notice

The information in this Safety Data Sheet is believed to be correct at the date of publication, but it does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REPROCELL, Inc. shall not be held liable for any damage resulting from handling or from contact with the product. See REPROCELL, Inc. website for terms and conditions of sale.

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Prepared By

Quality Control

END OF SAFETY DATA SHEET