Safety Data Sheet (SDS)

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Y-27632 dihydrochloride
Product Catalog Number: A3008
CAS Number: 146986-50-7; 129830-38-2
Company: APExBIO Technology
7505 Fannin street, Suite 410, Houston, TX 77054, USA
+1-832-696-8203 TEL
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+1-855-577-7998 EMERGENCY PHONE

II. HAZARDS IDENTIFICATION

Emergency Overview
OSHA Hazards: Acute toxicity, oral (Category 4), H302
Acute toxicity, dermal (Category 4), H312
Acute toxicity, inhalation (Category 4), H332

III. COMPOSITION/DATA ON COMPONENTS

Formula: C14H21N3O·2HCl
Molecular Weight: 320.26

IV. FIRST AID MEASURES

After Inhalation: If inhaled, remove to fresh air; if breathing is
VI. ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>After skin contact:</th>
<th>After eye contact:</th>
<th>After swallowing:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flush with copious amounts of water; remove contaminated clothing and shoes; call a physician; Take victim to hospital immediately; call a physician.</td>
<td>Check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician.</td>
<td>If swallowed, wash out mouth with copious amounts of water; call a physician</td>
</tr>
</tbody>
</table>

V. FIRE FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Conditions of flammability:</th>
<th>Suitable extinguishing media:</th>
<th>Special protective equipment for firefighters:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not flammable or combustible.</td>
<td>Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</td>
<td>Wear self contained breathing apparatus for fire fighting if necessary.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous combustion products:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.</td>
</tr>
</tbody>
</table>

VI. ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>Personal precautions:</th>
<th>Environmental precautions:</th>
<th>Methods and materials for containment and cleaning up:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas.</td>
<td>Do not let product enter drains. Prevent further leakage or spillage if safe to do so.</td>
<td>Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.</td>
</tr>
</tbody>
</table>
## VII. HANDLING AND STORAGE

### Precautions for safe handling:
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

### Conditions for safe storage:
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Desiccate at 4°C or below. Keep in a dry place.

## VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Personal protective equipment as follows:
Contains no substances with occupational exposure limit values.

### Respiratory protection:
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (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:
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin and body protection:
Choose body protection in relation to its type, to the concentration and amount of dangerous
Hygiene measures: General industrial hygiene practice.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance No data available
b) Odour No data available
c) Odour Threshold No data available
d) pH No data available
e) Melting point/freezing point No data available
f) Initial boiling point and boiling range No data available
g) Flash point No data available
h) Evaporation rate No data available
i) Flammability (solid, gas) No data available
j) Upper/lower flammability or explosive limits No data available
k) Vapour pressure No data available
l) Vapour density No data available
m) Relative density No data available
n) Water solubility No data available
o) Partition coefficient No data available
p) Auto-ignition temperature  No data available
q) Decomposition temperature  No data available
r) Viscosity  No data available
s) Explosive properties  No data available
t) Oxidizing properties  No data available

Other safety information
No data available

X. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No data available.
Conditions to avoid: No data available.
Materials to avoid: Strong acids, Strong bases.

XI. TOXICOLOGICAL INFORMATION

Carcinogenicity
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 by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
XII. ECOLOGICAL INFORMATION

General notes: No data available.

XIII. DISPOSAL CONSIDERATION

General notes: Dispose of in accordance with prevailing country, federal, state and local regulations

XIV. TRANSPORT INFORMATION

DOT (US): This substance is considered to be non-hazardous for transport.

IMDG:
- UN number: 3077
- Class: 9
- Packing group: III
- EMS-No: F-A, S-F
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
- Marine pollutant: Marine pollutant

IATA:
- UN number: 3077
- Class: 9
- Packing group: III
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

XV. REGULATIONS

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting
SARA 311/312 Hazards:

Massachusetts Right To Know Components:

Pennsylvania Right To Know Components:

New Jersey Right To Know Components:

California Prop. 65 Components:

Acute Health Hazard.

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

No components are subject to the New Jersey Right to Know Act.

No components are subject to the New Jersey Right to Know Act.

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

XVI. OTHER INFORMATION

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