



## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION/DESCRIPTION OF THE MATERIAL AND OF THE COMPANY/ UNDERTAKING

**Product Name:** (2S)-1-[2-[(3-Hydroxytricyclo[3.3.1.1<sup>3,7</sup>]dec-1-yl)amino]acetyl]-2-Pyrrolidinecarbonitrile

**Product Code:** RLP-006

**Lot No.:** 030523-00601

**Description:** Reference substance in determining as **Vildagliptin**

**Company:** Reflabpharm LLC  
Armenia, Yerevan 0019, Silikyan district 2<sup>nd</sup> str. 25/1

**Telephone:** +37411554055

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### 2. HAZARDS IDENTIFICATION

**Main Hazards:** Not known

**PEL (Permissible Exposure Limit):** Not known

**TLV (Threshold Level Value):** Not known

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**CAS No.:** [274901-16-5]

**Molecular Formula:**  $C_{17}H_{25}N_3O_2$

**Molecular Weight:** 303.4 g/mol

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#### 4. FIRST AID MEASURES

	SYMPTOMS	FIRST-AID MEASURES
<b>Skin Contact</b>	Not known	As a precautionary measure, wash the skin with plenty of water
<b>Eye Contact</b>	Not known	As a precautionary measure, flush your eyes with plenty of water
<b>Ingestion</b>	Not known	Wash out mouth with water and seek medical advice
<b>Inhalation</b>	Not known	Remove from exposure, rest, and keep warm. Seek medical advice

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#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide, dry chemical powder, or an appropriate foam

**Fire and Explosion Hazards:** Not known

**Protection of fire-fighters:** Wear self-contained breathing apparatus and protective clothing

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personal safety:** Mark out contaminated areas with signs and prevent unauthorized access. Evacuate and ventilate the area. Wear self-contained breathing devices, rubber boots, etc.

**Environment safety:** Do not discharge into drains and rivers. Contain the spillage with sand or earth.

**Clean-up procedures:** Sweep/absorb spillage in a suitable material. Transfer to a closable, labeled salvage container for disposal by an appropriate method. Ventilate the area and wash the spillage site after pick-up.

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#### 7. HANDLING AND STORAGE

**Handling requirements:** Avoid direct contact. Ensure enough ventilation in the area. Do not handle it in a confined space. Avoid the formation and spread of dust in the air.

**Storage conditions:** Store in the original airtight container in a cool dark place



**Suitable packaging:** Keep in original packaging

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## 8. CONTROL MEASURES

- Engineering measures:** Ensure there is enough ventilation in the area
- Respiratory protection:** Respiratory protective device with particle filter. Self-contained breathing devices must be available in emergency.
- Hand protection:** Protective gloves
- Eye protection:** Safety glasses with side shields. Ensure eye bath is near-by
- Skin-protection:** Protective clothing
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## 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

- Physical Appearance:** White powder
- Solubility:** Soluble in a methanol
- Melting point:** 149.1-152.0 °C
- Flashpoint:** no data available
- Ignition temperature:** no data available
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## 10. STABILITY AND REACTIVITY

- Stability:** Stable under colder and dark storage conditions
- Conditions to avoid:** Heat & Light
- Materials to avoid:** Not known
- Hazardous decomposition/byproducts:** Not known
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## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	no data available
<b>Irritation and corrosion:</b>	no data available
<b>Sensitization:</b>	no data available
<b>Chronic exposure:</b>	no data available
<b>Potential Health Effects</b>	
<b>Inhalation:</b>	May be harmful if inhaled. May cause respiratory tract irritation
<b>Skin:</b>	May be harmful if absorbed through skin. May cause skin irritation
<b>Eyes:</b>	May cause eye irritation
<b>Ingestion:</b>	May be harmful if swallowed

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## 12. ECOLOGICAL INFORMATION

<b>Elimination information (persistence and degradability):</b>	no data available
<b>Ecotoxicity effects:</b>	no data available
<b>Further information on ecology:</b>	no data available

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## 13. DISPOSAL CONSIDERATIONS

<b>Product:</b>	Observe all federal, state, and local environmental regulations
<b>Contaminated packaging:</b>	Dispose of as unused product

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## 14. TRANSPORT INFORMATION



**ADR/RID:** Not dangerous goods

**IMD/IMO:** Not dangerous goods

**IATA/ICAO:** Not dangerous goods

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## **REGULATORY INFORMATION**

**Hazard symbols:** Not known

**Risk phrases:** Not known

**Safety phrases:** Keep out of the reach of children; Do not breathe; Avoid contact with skin and eyes; Avoid release to the environment

**Note:** The regulatory information given above only indicates principal regulations specifically applicable to the material described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions that complete these regulations. All applicable regional, national, and international regulations and/or provisions shall be referred.

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## **OTHER INFORMATION**

**Other Information:** While the information herein is believed to be reliable, it is furnished without warranty of any kind. It shall be used only as a guide. We assume no liabilities from the use of this product and information contained herein.

**Legal disclaimer:** The information in this safety data sheet has been prepared with due care and is true and accurate to the best of our knowledge. The user must determine the suitability of the information for its particular purpose, ensure compliance with existing laws and regulations, and be aware that additional safety considerations may arise when using, handling, and/or storing the material. The information in this safety data sheet does not purport to be all-inclusive or guarantee as to the properties of the material supplied and should be used only as a guide. **Reflabpharm LLC** makes no warranties or representations as to the accuracy and completeness of the information contained herein, shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, how so ever arising, direct or otherwise.

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