

## Safety Data Sheet (SDS)

### 1. Identification

Product name: Atpenin A5

Company: Biolinks k.k.

Address: 2-12-5-710 Minami-Oi, Shinagawa-ku, Tokyo 140-0013, Japan

Telephone: +81-3-5767-6821

Email: info@biolinks.co.jp

### 2. Hazard(s) identification

GHS classification: Acute toxicity, Oral (Category 4)

Signal word: WARNING

Hazard statements: Harmful if swallowed.

Precautionary statements: Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

### 3. Composition / Information on ingredients

Substance: Atpenin A5

CAS number: 119509-24-9

Molecular formula: C<sub>15</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>5</sub>

Molecular weight: 366.24 g/mol

Appearance: Off-white solid

Solubility: 1 mg/mL in ethanol, methanol, DMSO

### 4. First-aid measures

If inhaled: Move person to fresh air. Seek medical attention if symptoms occur.

If on skin: Wash with plenty of water and soap. Seek medical advice if irritation develops.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

If swallowed: Rinse mouth. Seek medical attention.

## 5. Fire-fighting measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

Specific hazards: Combustion may produce toxic fumes of hydrogen chloride, nitrogen oxides, and carbon oxides.

Protective equipment: Wear self-contained breathing apparatus and protective clothing.

## 6. Accidental release measures

Avoid raising dust. Sweep up and place in suitable container for disposal. Ventilate area and wash spill site after material pickup is complete.

## 7. Handling and storage

Handling: Avoid inhalation, ingestion, and contact with skin and eyes.

Storage: Store in a tightly closed container in a cool, dry place.

## 8. Exposure controls / Personal protection

Engineering controls: Use in a well-ventilated area or fume hood.

Personal protective equipment: Chemical-resistant gloves, safety goggles, lab coat.

## 9. Physical and chemical properties

Appearance: Off-white solid

Molecular weight: 366.24 g/mol

Solubility: 1 mg/mL in ethanol, methanol, DMSO

Odor: None

Melting point: Not determined

Boiling point: Not applicable (solid)

## 10. Stability and reactivity

Chemical stability: Stable under normal conditions.

Hazardous decomposition products: Carbon oxides, hydrogen chloride, nitrogen oxides.

## 11. Toxicological information

May be harmful if swallowed. Toxicity data not available. Handle as a potential toxic compound.

## 12. Ecological information

No data available. Avoid release to the environment.

### **13. Disposal considerations**

Dispose of in accordance with local, regional, and national regulations.

### **14. Transport information**

UN number: UN2811

UN proper shipping name: Toxic solid, organic, n.o.s. (Atpenin A5)

Transport hazard class: 6.1

Packing group: III

Marine pollutant: No

Special precautions: Handle as a toxic material. Avoid release to the environment.

### **15. Regulatory information**

This material is not listed as a controlled substance under Japanese or international regulations, but should be handled as a toxic organic compound.

### **16. Other information**

This SDS is intended for research use only. The information is believed to be accurate but is not warranted as such.