

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Product name: Monocillin IV

Product code: BLK1450

CAS No.: 75207-14-6

Recommended use: For research use only. Not for human or veterinary use.

Company: Biolinks k.k.

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

Telephone: +81-3-5767-6821

Email: info@biolinks.co.jp

Emergency telephone: +81-3-5767-6821

2. Hazards identification

Classification (GHS): Not classified due to insufficient data.

Signal word: None

Hazard statements: Data not available.

Precautionary statements:

- Handle only in a chemical fume hood.
- Avoid inhalation, ingestion, or contact with skin and eyes.
- Wear suitable protective clothing, gloves, and eye/face protection.

Other hazards: Research chemical. Toxicological properties have not been fully investigated.

3. Composition/information on ingredients

Component: Monocillin IV

CAS No.: 75207-14-6

Molecular Formula: C₁₈H₂₂O₅

Molecular Weight: 318.37

Purity: ≥95%

4. First aid measures

General advice: Consult a physician.

If inhaled: Move to fresh air.

If on skin: Wash with soap and water.

If in eyes: Rinse with water for several minutes.

If swallowed: Rinse mouth. Do not induce vomiting without medical advice.

5. Firefighting measures

Suitable extinguishing media: Water spray, CO₂, dry chemical powder, or foam.

Hazardous decomposition: CO, CO₂, NO_x and other irritant fumes (if applicable).

6. Accidental release measures

Avoid dust formation. Wear appropriate PPE.

Collect material carefully and place in a suitable container for disposal.

7. Handling and storage

Use in certified chemical fume hood.

Store tightly closed at -20°C in a cool, dry, dark place.

Incompatible with strong oxidizing agents.

8. Exposure controls/personal protection

Engineering controls: Certified chemical fume hood.

Hand protection: Nitrile gloves.

Eye protection: Safety goggles.

Skin protection: Lab coat.

9. Physical and chemical properties

Appearance: Solid/powder

Odor: Not available

Molecular formula: C₁₈H₂₂O₅

Molecular weight: 318.37

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

Stability: Stable under recommended storage conditions

10. Stability and reactivity

Stable under recommended storage conditions.

Avoid heat, moisture, and light.

11. Toxicological information

No detailed toxicological data available for this product.

12. Ecological information

No data available. Avoid release to the environment.

13. Disposal considerations

Dispose in accordance with local/regional/national regulations.

14. Transport information

UN number: Not regulated.

UN proper shipping name: Not dangerous goods.

Transport hazard class: None.

Packing group: None.

15. Regulatory information

For research use only.

16. Other information

Revised per internal transport classification (non-dangerous goods).