

## Leupeptin Solution

Cat. No.: B1518359 | Pack size: 1 mL | Storage: -20°C; protected from light

### Product Information

| Attribute               | Value                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Pack Size(s)            | 1 mL                                                                                                                  |
| CAS Number              | 103476-89-7                                                                                                           |
| Specifications & Purity | BioReagent, 1 mg/mL                                                                                                   |
| Stability And Storage   | Store at -20°C long term (18 months). Avoid freeze/thaw cycle. Store in the dark.                                     |
| Storage Conditions      | Protected from light, Store at -20°C                                                                                  |
| Shipped In              | Ice chest + Ice pads. This product requires cold chain shipping. Ground and other economy services are not available. |
| Grade                   | BioReagent                                                                                                            |

### Product Description

Protease inhibitors can bind to specific groups in the active centers of protease molecules, reducing or eliminating enzyme activity without denaturing the proteins. This effectively inhibits protein degradation and maintains native protein-protein interactions. Common protease inhibitors include EDTA, E-64, NaVO<sub>3</sub>, Bestatin, Leupeptin, Pepstatin A, Aprotinin, etc.

The Leupeptin Solution (1 mg/mL) is primarily composed of leupeptin. It is EDTA-free and provided as a concentrated solution. Its working concentration ranges from 1 to 10 µg/mL, with a commonly used concentration of 3 to 5 µg/mL. It is suitable for protein extraction from mammalian tissues and cells, facilitating efficient obtainment of target proteins. The extracted products can be used in subsequent experiments such as Western Blot, Co-Immunoprecipitation (Co-IP), etc.

This reagent is for research use only. Not for use in diagnostic procedures or other purposes.

## Procedure (For Reference Only)

1. Briefly centrifuge the tube before opening to spin down any liquid adhering to the walls or cap.
2. Add this product to the required volume of Lysis Buffer and dilute to the desired target working concentration (1–10 µg/mL, 3–5 µg/mL recommended) before use.

## Notes

1. This product is mildly irritating. Handle with care and avoid repeated freezing and thawing.
2. For your safety and health, please wear laboratory appropriate attire and disposable gloves while handling reagents.
3. Use the reagent as soon as possible after opening to ensure optimal performance.

## Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

### NORTH AMERICAN SALES, SUPPORT & GENERAL INQUIRIES

#### **Aladdin Scientific Corporation**

14078 Meridian Parkway, Riverside, CA 92518, USA

**Phone:** 1-833-552-7181

**Sales:** [sales@aladdinsci.com](mailto:sales@aladdinsci.com)

**Customer Service:** [custserv@aladdinsci.com](mailto:custserv@aladdinsci.com)

### EU SALES, LOGISTICS & LOCALIZED SUPPORT

#### **Aladdin Biochem Deutschland GmbH**

Westring 2, 33142 Büren, Germany

**Phone:** +02951 9383958

**Support:** [support.eu@aladdinsci.com](mailto:support.eu@aladdinsci.com)

## Limitations & Disclaimer

- For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.
- Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.

- Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the kit for their specific application.
- Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.