

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

Leupeptin hemisulfate

### Product overview

|                    |  |
|--------------------|--|
| <b>Name</b>        | Leupeptin hemisulfate                                    |
| <b>Cat No</b>      | HB3958   |
| <b>Purity</b>      | >97%   |
| <b>Description</b> | Reversible trypsin-like and cysteine proteases inhibitor |

### Biological Data

**Biological description** Reversible trypsin-like and cysteine proteases inhibitor.

Shows antioxidant and anti-inflammatory actions. It is commonly used to inhibit proteases present in tissue samples to prevent protein degradation.

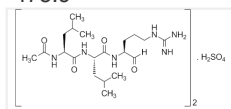
### Solubility & Handling

**Storage instructions** +4 °C  
**Important** This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

**Molecular Weight**  
**Chemical structure**

475.6



**Molecular Formula**  
**CAS Number**  
**SMILES**  
**InChiKey**  
**Appearance**

$C_{20}H_{38}N_6O_4 \cdot 0.5H_2SO_4$

103476-89-7

CC(C)C[C@H](NC(C)=O)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCCNC(N)=[NH2+])C=O

CIPMKIHUGVGQTG-VFFZMTJFSA-N

White to off-white powder

### References

#### Leupeptin, a Protease Inhibitor, Decreases Protein Degradation in Normal and Diseased Muscles

Libby and Goldber (534-6) Science 199(4328)

**PubMedID** [622552](#)

#### Cell-penetrating Inhibitors of Calpain

Mehdi (1991) Trends Biochem Sci. 16(4)

**PubMedID** [1877091](#)

#### Cell-penetrating Inhibitors of Calpain

