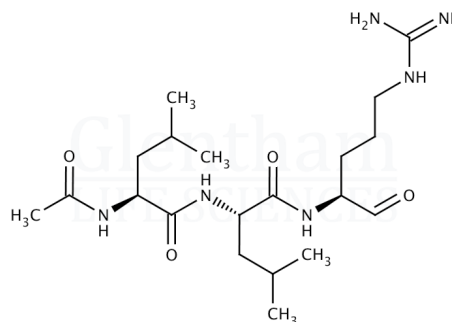


## Certificate of Analysis

|               |                       |
|---------------|-----------------------|
| Product Name  | Leupeptin hemisulfate |
| Glentham Code | GE7125                |
| CAS Number    | 103476-89-7           |
| MDL Number    | MFCD00037012          |
| PubChem SID   | 310275768             |
| Batch Number  | 265NPZ                |

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|                   |                                       |
|-------------------|---------------------------------------|
| Molecular Weight  | 475.59                                |
| Molecular Formula | $C_{20}H_{38}N_6O_4 \cdot 0.5H_2SO_4$ |
| Storage Temp.     | -20°C                                 |



| Property                 | Specification                              | Batch 265NPZ |
|--------------------------|--------------------------------------------|--------------|
| Physical Description     | White to off-white powder                  | White powder |
| Solubility (5% in water) | Clear, colourless to faint yellow solution | Conforms     |
| Purity (HPLC)            | ≥ 95%                                      | ≥ 97.0%      |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2018-04-04 |
| Re-Test Date          | 2031-03-03 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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