



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Leupeptin Hemisulfate  
**Catalog Number:** 151553  
**Lot:** QR15392

**Formula:**  $C_{20}H_{38}N_6O_4 \cdot \frac{1}{2}H_2SO_4$   
**CAS #:** 103476-89-7  
**Physical Description:** White Powder

**Formula Weight:** 475.60  
**Storage:** -20°C, desiccate, protect from light

Test	Specification	Result
Identity Test	Passes	Passes

Purity (HPLC): >96.5%  
Specific Rotation (c=1, water): -72°  
Recommended Retest Date: 04/01/2020

04/08/2018 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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