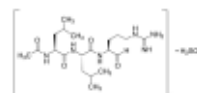


## Product Specification

Product Name:  
Leupeptin - microbial,  $\geq 90\%$  (HPLC)

Product Number: **L2884**  
CAS Number: 103476-89-7



Formula:  $C_{20}H_{38}N_6O_4 \cdot 0.5H_2O_4S$   
Formula Weight: 475,59 g/mol  
Storage Temperature:  $-20\text{ }^{\circ}C$

TEST	Specification
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Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear
50 mg/mL, H <sub>2</sub> O	
Infrared Spectrum	Conforms to Structure
Water (by Karl Fischer)	$\leq 12\%$
Chloride Content	$\leq 1\%$
Sulfate (SO <sub>4</sub> )	7 - 12 %
Suitability	Suitable
Suitable as a protease inhibitor	
% Purity (HPLC)	$\geq 90\%$
Recommended Retest Period	-----
6 Years	
Note	-----
Leupeptin is reported to give multiple peaks on HPLC. Ref.: Saino, T., E T Al., Chem. Pharm. Bull., 30(7), 2319 (1982)	

Specification: PRE.2.ZQ5.1000021194

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

