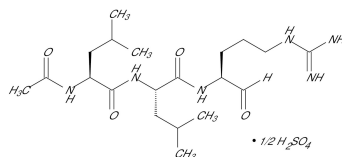


Certificate of Analysis

Product Name : Leupeptin microbial, ≥90% (HPLC)
Product Number : L2884-10MG-PW
Batch Number : 000098092
Source Batch : 0000082409
CAS Number : 103476-89-7
Storage Temperature : Freezer -20°C
Molecular Formula : C₂₀H₃₈N₆O₄ · 0.5H₂O₄S
Formula Weight : 475.59
Recommended Retest Date : Feb 2026
Quality Release Date : 08 Jun 2020

Leupeptin
N-Acetyl-L-leucyl-L-leucyl-L-argininal



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL, H ₂ O		
Infrared Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer)	≤ 12 %	10 %
Chloride Content	≤ 1 %	0 %
Sulfate (SO ₄)	7 - 12 %	10 %
% Peptide content	≥ 80	92
Amino Acid Analysis		
Suitability	Suitable	Suitable
Suitable as a protease inhibitor		
% Purity (HPLC)	≥ 90.000 %	97.000 %
Note	-----	-----
Leupeptin is reported to give multiple peaks on HPLC. Ref.: Saino, T., E T Al., Chem. Pharm. Bull., 30(7), 2319 (1982)		

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. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale





Anna Bendersky, Quality Control Manager

Quality Control

Israel

IL

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