



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215243B
Lot Number: SAMPLE
Product Name: Leupeptin trifluoroacetate salt
CAS Number: 147385-61-3
Molecular Formula: $C_{20}H_{38}N_6O_4 \cdot C_2HF_3O_2$
Molecular Weight: 540.58

Test	Specification	Result
Appearance	White powder	Complies
Purity (HPLC)	$\geq 90\%$ (Leupeptin gives multiple peaks on HPLC due to equilibria among three forms in solution. Purity determined using 3 main peaks)	94%
Solution (Color)	Colorless to faint yellow	Colorless
Solution (Turbidity)	Clear to slightly hazy (50 mg/ml H ₂ O)	Clear
Peptide Content	$\geq 55\%$ (by amino acid analysis)	69%
Trifluoroacetate	$\leq 45\%$ (Ion Exchange HPLC with conductivity Detection)	24%
Water Content (KF)	$\leq 12\%$	7%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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