

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Leupeptin hemisulfate salt, 90%(HPLC)

ITEM NUMBER: L111765
BRAND: Aladdin
CAS NUMBER: 103476-89-7
MDL NUMBER: MFCD00037012
FORMULA: C₂₀H₃₈N₆O₄ · 1/2(H₂SO₄)
MOLECULAR WEIGHT: 475.59

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White Solid		
Chloride Content	0 %	1 %	1 %
Peptide content(Amino Acid Analysis)	0 %	0 %	>=80 %
Proton NMR spectrum	Conforms to Structure		
Purity(HPLC)	90 %	100 %	100 %
Solubility	Colorless to Faint Yellow , Clear , 50 mg/mL, H ₂ O		
Sulfate (SO ₄)	7 %	12 %	12 %
Test as a protease inhibitor	Pass		
Water by Karl Fischer	0 %	12 %	12 %