

### Certificate of Analysis

Product Name	Leupeptin Hemisulfate (NK381)
Catalog No.	V0703
Batch No.	V070305

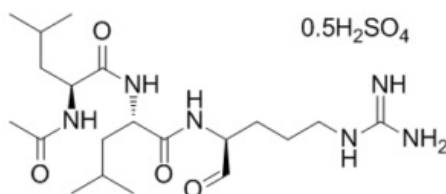
#### 1. Physical and Chemical Properties

Appearance	Powder
Molecular Formula	$C_{20}H_{38}N_6O_4 \cdot \frac{1}{2}H_2SO_4$
Molecular Weight	475.59
Purity	$\geq 98\%$
CAS No.	103476-89-7
Production Date	2024-01-20

#### 2. Analytical Data

HPLC	Indicates $\geq 98\%$ purity
NMR.	Consistent with structure
Mass Spectrum	Consistent with structure

#### 3. Structure



#### 4. Storage Condition

Short term storage (weeks)	0-4 °C under dry condition for six weeks
Long term storage (months)	-20 °C under dry condition for three years

**Products are for research use only • Not for human or veterinary use**