

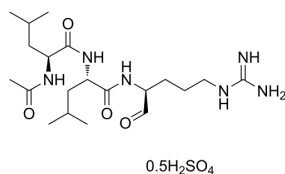
## Leupeptin (hemisulfate)

Cat. No.: HY-18234A  
 CAS No.: 103476-89-7  
 Batch No.: 308607  
 Chemical Name: L-Leucinamide, N-acetyl-L-leucyl-N-[(1S)-4-[(aminoiminomethyl)amino]-1-formylbutyl]-, sulfate (2:1)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{20}H_{38}N_6O_4 \cdot 1/2H_2SO_4$   
 Molecular Weight: 475.59  
 Storage: -20°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

#### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity (NMR):  $\geq 98.0\%$   
 Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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