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DATASHEET

Leupeptin hemisulfate

Product overview

Name Leupeptin hemisulfate

 Cat No
 HB3958

 Purity
 >97%

Description Reversible trypsin-like and cysteine proteases inhibitor

Biological Data

Biological description Reversible trypsin-like and cysteine proteases inhibitor.

Shows antioxidant and anti-inflammatory actions. It is commonly used to inhibit proteases present in tissue samples to prevent protein degration.

Solubility & Handling

Storage instructions +4°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Molecular Weight 475.6
Chemical structure

IFE

| CH₅ | CH₅ | NH₅ | NH₅

Molecular Formula C₂₀H₃₈N₆O₄.0.5H₂SO₄ CAS Number 103476-89-7

InChiKey CIPMKIHUGVGQTG-VFFZMTJFSA-N

Appearance White to off-white powder

References

Leupeptin, a Protease Inhibitor, Decreases Protein Degradation in Normal and Diseased Muscles

Libby and Goldber (534-6) Science 199(4328) **PubMedID** 622552

Cell-penetrating Inhibitors of Calpain

Mehdi (1991) Trends Biochem Sci. 16(4)

PubMedID 1877091

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