Leupeptin (synthetic)

Cathepsin B inhibitor

Leupeptin is a competitive and reversible inhibitor of serine and cysteine proteinases like calpain, porcine kallikrein, trypsin, plasmin, papain and cathepsin B. Does not inhibit chymotrypsin and thrombin. Also known to inhibit activation-induced programmed cell death and restoration of defective immune responses of HIV^{+} donors.

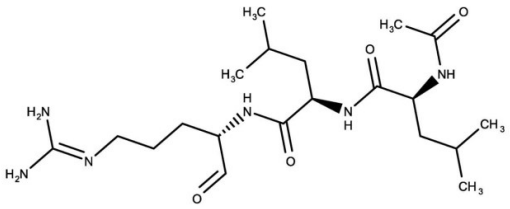
Citations: 19 View Online »

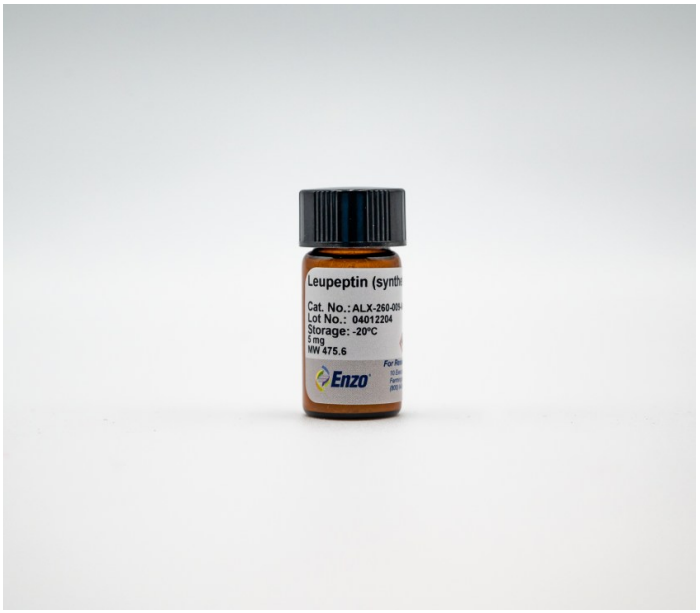
Ordering Information Order Online »

ALX-260-009-M025	25mg
ALX-260-009-M100	100mg

Manuals, SDS & CofA View Online »

- GMP format available




Leupeptin (synth
Cat. No.: ALX-260-015
Lot No.: 04012204
Storage: -20°C
5 mg
MW 475.6
Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light and moisture.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Acetyl-L-leucyl-L-leucyl-L-argininal . hemisulfate
Appearance	White to off-white powder.
CAS	103476-89-7
Formula	$C_{20}H_{38}N_6O_4$. 0.5 H_2SO_4
MI	**14:** 5456
MW	426.6 . 49.0
Purity	≥97% (HPLC)
Solubility	Soluble in water, methanol or 100% ethanol.
Source	Synthetic.
Technical Info / Product Notes	Leupeptin gives multiple peaks on HPLC due to equilibria among three forms in solution. Purity determined using three main peaks. Majority of contaminating peptide is racemized leupeptin.

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