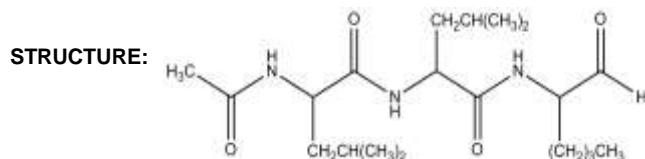


Calpain Inhibitor I, ALLN

ALTERNATE NAME: Ac-LLnL-CHO, MG-101, N-Acetyl-L-leucyl-L-leucyl-L-norleucinal, N-Acetyl-Leu-Leu-Nle-al

CATALOG #: 1834-5, 25

AMOUNT: 5 mg, 25



MOLECULAR FORMULA: C₂₀H₃₇N₃O₄

MOLECULAR WEIGHT: 383.54

CAS NUMBER: 110044-82-1

APPEARANCE: White powder

SOLUBILITY: DMSO (25 mg/ml) or EtOH

PURITY: ≥95% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable inhibitor of calpain I (K_i = 190 nM), calpain II (K_i = 220 nM), cathepsin B (K_i = 150 nM), and cathepsin L (K_i = 0.5 nM). Inhibits neutral cysteine proteases and the proteasome (K_i = 6 μM). Can initiate apoptosis in HL-60 cells but blocks dexamethasone-induced apoptosis in thymocytes and cycloheximide-induced apoptosis in metamyelocytes. Inhibits cyclin B degradation and arrests the cell cycle at G₁/S and at meta-/anaphase.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Calpain Activity Assay Kit (**Cat. No. K240-100**)
- Calpain 1 Antibody (**Cat. No. 3189-100**)
- Calpain 1 Blocking Peptide (**Cat. No. 3189BP-50**)
- Calpain 2 Antibody (**Cat. No. 3372-100**)
- Calpain 2 Blocking Peptide (**Cat. No. 3372BP-50**)
- Calpain, Human, Active (**Cat. No. 1134-100**)
- Calpain Inhibitor II, ALLM (**Cat. No. 1835-5, 25**)
- Calpain Inhibitor Z-LLY-FMK (**Cat. No. 1125-20C**)
- Suc-Leu-Leu-Val-Tyr-AMC (**Cat. No. 1833-5**)