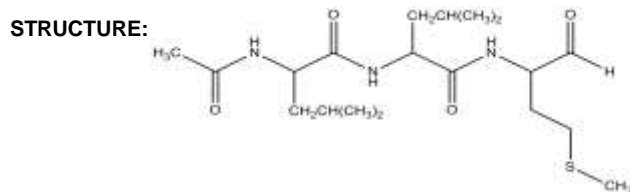


Calpain Inhibitor II, ALLM

ALTERNATE NAME: Ac-LLM-CHO, N-Acetyl-Leu-Leu-Methional

CATALOG #: 1835-5, 25

AMOUNT: 5 mg, 25



MOLECULAR FORMULA: C₁₉H₃₅N₃O₄S

MOLECULAR WEIGHT: 401.57

CAS NUMBER: 136632-32-1

APPEARANCE: White powder

SOLUBILITY: DMSO (25 mg/ml) or EtOH (25 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable inhibitor of calpain 1 ($K_i = 120$ nM) and calpain 2 ($K_i = 230$ nM). Also potently inhibits cathepsin B ($K_i = 100$ nM), and cathepsin L ($K_i = 0.6$ nM). Shown to induce caspase-dependent apoptosis in human acute lymphoblastic leukemia and non-Hodgkin's Lymphoma cells.

REFERENCE: ZU, D.-M., and Uckun, F. M. *Clin. Cancer Res.* **6**, 2456-2463.

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 I, ALLN (**Cat. No. 1834-5, 25**)
- Calpain Inhibitor Z-LLY-FMK (**Cat. No. 1125-20C**)
- Suc-Leu-Leu-Val-Tyr-AMC (**Cat. No. 1833-5**)