

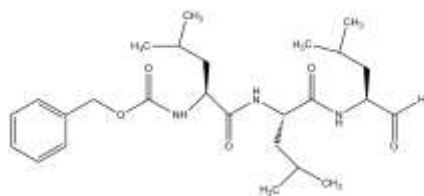
## MG-132

Alternate name: Z-Leu-Leu-Leu-CHO; Z-LLL-CHO

CATALOG #: 1703-5

AMOUNT: 5 mg

### STRUCTURE:



MOLECULAR FORMULA: C<sub>26</sub>H<sub>41</sub>N<sub>3</sub>O<sub>5</sub>

MOLECULAR WEIGHT: 475.6

CAS NUMBER: 133407-82-6

PURITY: ≥98% by HPLC; identity determined by MS.

APPEARANCE: White to off-white powder

SOLUBILITY: Soluble in DMSO (10 mg/ml)

STORAGE CONDITIONS: -20°C.

**DESCRIPTION:** A cell-permeable, potent, and reversible proteasome inhibitor ( $K_i = 4$  nM). Reduces degradation of ubiquitin-conjugated proteins in mammalian cells and permeable strains of yeast by the 26S complex without affecting its ATPase or isopeptidase activities. Activates c-Jun N-terminal kinase (JNK1), which initiates apoptosis. Inhibits NF- $\kappa$ B activation ( $IC_{50} = 3$   $\mu$ M). Prevents  $\gamma$ -secretase cleavage.

### RELATED PRODUCTS:

- AEBSF, HCl (Cat. No. 1644-200, 1G)
- Aprotinin (Cat. No. 4690-5, 100, 1000)
- Batimastat (Cat. No. 1704-1)
- E-64 (Cat. No. 1739-5, 25)
- *clasto*-Lactacystin- $\beta$ -lactone (Cat. No. 1710-100)
- Lactacystin (Cat. No. 1709-200)
- Leupeptin, Hemisulfate (Cat. No. 1648-25, 50, 100)
- Marimastat (Cat. No. 1790-1,5)
- Nafamostat Mesylate (Cat. No. 1760-10, 50)
- PMSF (Cat. No. 1548-5)
- Pepstatin A (Cat. No. 1732-25, 100)

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

