MG132 is a proteasome inhibitor. Proteasome are found at high concentrations in eukaryotic cells, which causes protein degradation. This inhibitor enhances thermotolerance in a variety of cell types. MG132 also activates JNK-1 which may lead to apoptosis under cell stress. It has been shown to be involved with the cell cycle, in controlling inflammatory processes and gene expression.

TECHNICAL INFORMATION

Other Names: N-[(phenylmethoxy)carbonyl]-L-leucyl-N-[(Ls)-L-formyl-3-methylbutyl]-L-leucinamide

Chemical Formula: C_{26}H_{41}N_{3}O_{5}

CAS Number: 133407-82-6

Molecular Weight: 475.6

Purity: >98%

Appearance: Crystalline solid

Solubility: DMSO

REFERENCES


STORAGE AND HANDLING

Storage: Store at –20°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. Soluble at >95mg/ml. Incubate in a 37°C water bath for 5 minutes if precipitate is observed.

Customer Service: 1.866.528.3021
1.760.230.8608
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