

MG-132 Biochemical

MG-132

CATALOG #
AAA201899

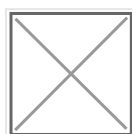
PRODUCT SYNONYMS

MG-132; MG132;mg 132; MG-132 biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98% (HPLC)
Suitability	10mM in DMSO
Target	Proteasome
Receptor	Proteasome
Chemical Name	L-Leucinamide, N-[(phenylmethoxy)carbonyl]-L-leucyl-N-[(1S)-1-formyl-3-methylbutyl]
SMILES	<chem>O=C(OCC1=CC=CC=C1)N[C@@H](CC(C)C)C(N[C@@H](CC(C)C)C(N[C@@H](CC(C)C)C=O)=O=O</chem>
Molecular Formula	C26H41N3O5
CAS Number	133407-82-6
Preparation and Storage	Store at -20 degree C Stability: >=2 years Shipping: Ice Pack

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for MG-132 biochemical	MG-132 (Z-Leu-leu-leu-al, Zllal) is a potent, reversible, and cell-permeable proteasome inhibitor with IC50 of 0.1 and 1.2uM for the inhibition of proteasome and calpain, respectively; induces neurite outgrowth in PC12 cells with optimal concentrations of 20nM, inhibits autolytic activation of calpain in rabbit erythrocytes at 100uM; demonstrates in vivo antitumor activity.
Product Categories/Family for MG-132 biochemical	Proteasome/Ubiquitin ; Cancer
References	1. Tsubuki S, et al. J Biochem. 1996 Mar; 119 (3):572-6. 2. Tsubuki S, et al. Biochem Biophys Res Commun. 1993 Nov 15; 196 (3):1195-201. 3. Palombella VJ, et al. Cell. 1994 Sep 9; 78 (5):773-85.

NCBI AND UNIPROT INFORMATION

Molecular Weight	475.6
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/mg-132/201899>