



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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MG-132

Proteasome Inhibitor  
Catalog No. SIH-326



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

MG-132

### Description

Proteasome Inhibitor

### Purity

>98%

### CAS No.

133407-82-6

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>N<sub>1</sub>O<sub>1</sub>, C<sub>11</sub>H<sub>11</sub>N<sub>1</sub>O<sub>1</sub>

### Molecular Weight

475.6, 476.6

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in 45 mg/ml DMSO, DMF and ethanol

### Source

Synthetic

### Appearance

White solid

### SMILES

CC(C)C[C@@H](C=O)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CC(C)C)NC(=O)OCC1=CC=CC=C1

### InChI

InChI=1S/C26H41N3O5/c1-17(2)12-21(15-30)27-24(31)22(13-18(3)4)28-25(32)23(14-19(5)6)29-26(33)34-16-20-10-8-7-9-11-20/h7-11,15,1

7-19,21-23H,12-14,16H2,1-6H3,(H,27,31)(H,28,32)(H,29,33)/t21-,22-,23-/m0

## InChIKey

TZYWCYJVHRLUCT-VABKMULXSA-N

## Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25- Avoid contact with skin and eyes

## Cite This Product

MG-132 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-326)

## Biological Description

### Alternative Names

N-[(Benzyloxy)carbonyl]-L-leucyl-N-[(2S)-4-methyl-1-oxo-2-pentanyl]-L-leucinamide, Z-Leu-Leu-Leu-al, Z-LLL-CHO, N-[(phenylmethoxy)carbonyl]-L-leucyl-N-[(1S)-1-formyl-3-methylbutyl]-L-leucinamide

### Research Areas

Cancer, Heat Shock

### PubChem ID

462382

### Scientific Background

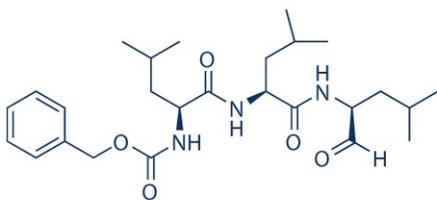
Specific inhibitor of the 20S proteasome ( $K_i=4$  nM). Blocks NF $\kappa$ B activation by blocking I $\kappa$ B proteolysis ( $IC_{50}=3$   $\mu$ M). It stimulates autophagy, induces heat shock response and is cell permeable

### References

1. Tsubuki S., et al. (1996) J. Biochem. 119:572.
2. Wu W.K., et al. (2010) Autophagy 6:228.
3. Meriin A.B., et al. (1998) J. Biol. Chem. 273:6373.

## Product Images

Chemical structure of MG-132 (SIH-326), a Proteasome Inhibitor. CAS #: 133407-82-6.  
Molecular Formula: C<sub>26</sub>H<sub>41</sub>N<sub>3</sub>O<sub>6</sub>. Molecular Weight: 476.6 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.