MG-132 (Ethanol Solution), proteasome inhibitor
ab147047

Overview

Product name: MG-132 (Ethanol Solution), proteasome inhibitor
Description: Cell-permeable, potent, reversible proteasome inhibitor
Biological description: Cell-permeable, potent, reversible proteasome inhibitor ($K_i = 4$ nM). Reduces degradation of ubiquitin-conjugated proteins in mammalian cells by the 26S complex without affecting its ATPase or isopeptidase activities. Activates c-Jun N-terminal kinase (JNK1), which initiates apoptosis. Inhibits NF-kB activation. Anticancer properties in vitro and in vivo.

Purity: > 98%
General notes: Desiccate at -20°C in a spark free freezer [product contains a flammable solvent (UN1170: ethanol solution, PG II)]. Protect from air and moisture.

Properties

Molecular weight: 475.62
Chemical structure:

$$\text{C}_26\text{H}_{41}\text{N}_3\text{O}_5$$

Molecular formula: C$_{26}$H$_{41}$N$_3$O$_5$
CAS Number: 133407-82-6
Sequence: LLL (Modifications: N-terminal benzoyloxycarbonyl; C-terminal aldehyde)
PubChem identifier: 462382
Storage instructions: Shipped at Room Temperature. Store at -20°C. Store under desiccating conditions.
Solubility overview: Supplied in ethanol (10 mM)
Handling: Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
Source: Synthetic

Please note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS”

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