

Product datasheet

MG-132 (Ethanol Solution), proteasome inhibitor
 ab147047

1 References

Overview

Product name	MG-132 (Ethanol Solution), proteasome inhibitor
Description	Cell-permeable, potent, reversible proteasome inhibitor
Biological description	Cell-permeable, potent, reversible proteasome inhibitor ($K_i = 4 \text{ nM}$). 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- κ B activation. Anticancer properties <i>in vitro</i> and <i>in vivo</i> .
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.
CAS Number	133407-82-6
Chemical structure	<chem>Z-Leu-Leu-Leu-CHO</chem>

Properties

Molecular weight	475.62
Molecular formula	$C_{26}H_{41}N_3O_5$
Sequence	LLL (Modifications : N-terminal benzyloxycarbonyl; 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	Refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
Source	Synthetic

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