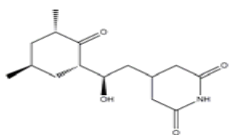


BioVision

For research use only

PRODUCT: Cycloheximide

CATALOG #: 1041-1
AMOUNT: 1 ml (100 mM in DMSO)
LOT #: _____



STORAGE CONDITIONS: Store at -20°C .

SHELF LIFE: Stable for up to 6 months at -20°C .
 Rapidly decomposed in alkaline conditions.

MOLECULAR WEIGHT: 281.3

MOLECULAR FORMULA: $\text{C}_{15}\text{H}_{23}\text{NO}_4$

DESCRIPTION:

A very active antibiotic against many yeasts and fungi. Inhibits protein synthesis in cytoplasmic eukaryotes but not in prokaryotes. Completely inhibits many molds but is noninhibitory at 100 $\mu\text{g}/\text{ml}$ to many species of pathogenic bacteria. It inhibits chain initiation as well as chain elongation by acting on the 60S subunit of the eukaryote ribosome, interacting directly with enzyme translocase. Cycloheximide is used as an inhibitor to study cell-free protein biosynthesis in eukaryotes and also used to block ribosome-dependent *in vivo* polypeptide synthesis. It is an inducer of apoptosis in many cell lines (1).

RECOMMENDED USAGE:

We recommend using 1000X dilutions for inducing apoptosis in Jurkat cells. However, the optimal doses may vary for different cells and culture conditions.

REFERENCES:

1. Martin, S.J., *et al.* (1995) *J. Exp. Med.* **182**:1545-1556.

For Research Use Only! Not to be used in humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies