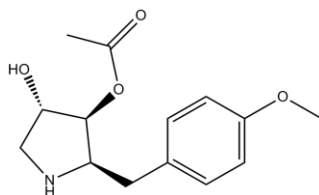


## Anisomycin, *Streptomyces griseolus*

**CATALOG #:** 1549-10

**AMOUNT:** 10 mg

**STRUCTRE:**



**MOLECULAR FORMULA:** C<sub>14</sub>H<sub>19</sub>NO<sub>4</sub>

**MOLECULAR WEIGHT:** 265.3

**CAS** 22862-76-6

**PURITY:** ≥98%

**APPEARANCE:** White crystalline solid

**MP/BP:** 139-141°C

**SOLUBILITY:** Soluble in DMSO

**STORAGE:** Store at -20°C. Store solution at -20°C for up to 3 months.

### DESCRIPTION:

Activator of p54 and MAP kinases. Synergistic with growth factors and phorbol esters to superinduce cFas and c-Jun, by acting as a potent signaling agonist. Induces apoptosis in the human monoblastoid cell line.

**CAUTION:** Toxic. May be harmful by inhalation, in contact with skin, or if swallowed.

### REFERENCES:

- Kardalidou, E., et al. (1994) *Mol. Cell. Biol.* 14:1066.
- Kochi, S.K. and Collier, R.J. (1993) *Exp. Cell. Res.* 208:296.

**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