

PRODUCT: **Anisomycin**
[2-(p-Methoxybenzyl)-3,4-pyrrolidinediol-3-acetate]

CATALOG #: 1549-10

AMOUNT: 10 mg

LOT #: _____

MOLECULAR FORMULA: C₁₄H₁₉NO₄

MOLECULAR WEIGHT: 265.3

CAS 22862-76-6

SOURCE: Isolated from *Streptomyces griseolus*

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. For research use only. Not to be used in human.

REFERENCES:

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

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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