

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.

RELATED PRODUCTS:

1. KinaseSTAR™ JNK & Akt Activity Assay Kit
2. Histone Deacetylase Fluorometric & Colorimetric Assay Kits
3. Calpain Activity Assay Kit
4. Apoptotic Cell Isolation Kit
5. MitoCapture™ Mitochondrial Apoptosis Detection Kit
6. Mitochondria/Cytosol Fractionation Kit
7. Nuclear/Cytosol Fractionation Kit
8. Cytochrome c Releasing Apoptosis Assay Kit
9. ApoSENSOR™ ATP Determination Kit & ADP/ATP Ratio Assay Kit
10. ApoGSH™ Glutathione Detection Kit
11. Nitric Oxide Fluorometric & Colorimetric Detection Kits
12. Annexin V-FITC, -Cy3, -Cy5, -EGFP, -PE, -Biotin Kits and Bulk Reagents
13. CaspSCREEN™ Flow Cytometric Caspase Assay Kit
14. CaspGLOW™ Active Caspase Staining Kits
15. CaspSELECT™ Caspase-3 & -7 Immunoassay Kits
16. Caspase-1,-2,-3,-5,-6,-8,-9,-10 Activity Assay Kits
17. Recombinant Human, Mouse, Rat Active Caspases & Procaspsases
18. Ready-to-use Caspase Inhibitors & Sets
19. Ready-to-use Caspase Substrates and Sets
20. Quick Apoptotic DNA Ladder Detection Kit
21. TUNEL-based DNA Fragmentation Assay Kits
22. Ready-to-use Apoptosis Inducers and Set
23. Quick Cell Proliferation Assay Kit
24. LDH-Cytotoxicity Assay Kit
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26. Anti-Caspase-1,-2,-3,-4,-5,-6,-7,-8,-9,-10,-11,-12,-13,-14 & Active Caspases
27. Anti-Apaf-1, Bcl-2, Bcl-x, Bax, Bad, Bid, Bim/Bod, Mcl-1, Cytochrome c
28. Anti-DFF40, DFF45, FADD, p53, IRAK, Wee1, CD40, DcR2, cFLIP, CTGF
29. Many Other Apoptosis & Cell Signaling Related Antibodies
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33. Gel-FAST™ 20 Minutes Gel Staining/Destaining Kit
34. Protease Inhibitor Cocktail