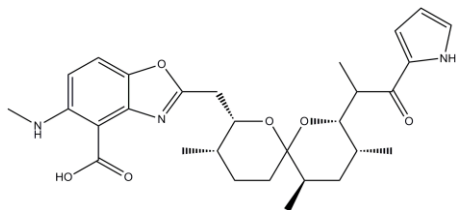


Antibiotic A23187

CATALOG #: 1501-10

AMOUNT: 10 mg

STRUCTURE:



CAS NUMBER: 52665-69-7

PHYSICAL APPEARANCE: Off white solid (m.p. 181-182°C)

MOLECULAR WEIGHT: 523.6

MOLECULAR FORMULA: C₂₉H₃₇N₃O₆

PURITY: ≥98% by TLC

SOLUBILITY: Soluble in DMSO (50 mg/ml with sonication)

STORAGE CONDITIONS: Store powder at 0-4°C for up to 1 year.
Store solutions at -20°C for up to 3 months.

APPLICATION NOTES: Calcium ionophore. Causes rapid influx of calcium in various cells.

REFERENCES:

1. Lew, V.L. and Garcia-Sancho J. (1985) *Cell. Calcium* **6**:15-22.
2. Negri, D.P. and Kishi, Y. (1987) *Tetrahedron. Lett.* **28**:1063-1068.
3. Rao, T.A., et al. (1993) *Life Sci.* **53**:PL147.

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