

## PRODUCT: Splitomicin

<b>CATALOG #:</b>	1610-5
<b>AMOUNT:</b>	5 mg
<b>LOT #:</b>	_____
<b>MOLECULAR FORMULA:</b>	C <sub>13</sub> H <sub>10</sub> O <sub>2</sub>
<b>MOLECULAR WEIGHT:</b>	198.2
<b>CAS NUMBER:</b>	5690-03-9
<b>PURITY:</b>	≥98%
<b>APPEARANCE:</b>	White to off-white solid
<b>SOLUBILITY:</b>	Soluble in DMSO (100 mg/ml)
<b>STORAGE CONDITIONS:</b>	Keep cool and dry at +4°C. After reconstitution, aliquots and freeze at -20°C. This product is stable for at least 1 year as supplied. Stock solutions are stable for up to 6 months at -20°C.

### DESCRIPTION:

Potent inhibitor of yeast NAD<sup>+</sup>-dependent histone deacetylase Sir2p (IC<sub>50</sub> = 60 μM). Sensitizes mammalian cells to a variety of DNA-damaging agents by abrogating Sir2p activity on p53. Acts by either altering or blocking access to the acetylated histone binding pocket.

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

**For Research Use Only! Not to be used in human.**

**REFERENCES:** Bedalov, A. et. Al. 2001 Proc. Natl. Acad. Sci. 98:15113.

### 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
- Apoptotic Cell Isolation Kit

#### 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 Kit
- 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

#### Quality Antibodies for Apoptosis and Signal Transduction Molecules