

PRODUCT: Aurintricarboxylic Acid

CATALOG #:	1506-1000
AMOUNT:	1 g
LOT #:	_____
CAS NUMBER:	4431-00-9
MOL. WEIGHT:	422.4
MOL. FORMULA:	C ₂₂ H ₁₄ O ₉
PURITY:	≥85%
APPEARANCE:	Red brown powder
STORAGE CONDITIONS:	Store at room temperature. Protect from light.
SOLUBILITY:	10 mg/ml soluble in 1 M ammonium hydroxide
APPLICATION NOTES:	Inhibits apoptosis in various cell types induced by a variety of factors. Potent inhibitor of DNA topoisomerase II <i>in vitro</i> and protein-nucleic acid interactions. Stimulates the tyrosine phosphorylation of MAP kinases. Inhibits major calpain isoforms.

REFERENCES:

1. Gonzeles, R.G., et al. (1980) *Biochemistry* **19**:4299.
2. Csemansky, C.A., et al. (1994) *J. Neurosci. Res.* **38**:101.

FOR RESEARCH USE ONLY! Not to be used in human.

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