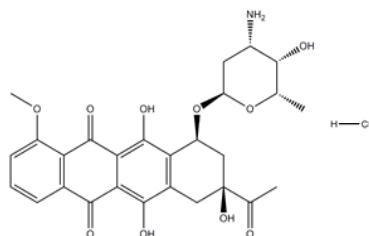


PRODUCT: Daunorubicin.HCl

CATALOG #: 1524-10 10 mg
 1524-50 50 mg
 1524-500 500 mg

LOT#: _____

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₂₉NO₁₀·HCl
MOLECULAR WEIGHT: 527.5 . 36.5
CAS NUMBER: 23541-50-6
APPEARANCE: Orange-Red Power
PURITY: ≥95%
SOLUBILITY: Soluble in water or methanol
STORAGE CONDITIONS: Store at +4°C.

DESCRIPTION: Potent anti-cancer agent whose potential target site may be mitochondrial cytochrome c oxidase. Inhibits RNA and DNA synthesis. Also inhibits eukaryotic topoisomerase I & II. Induces DNA single strand breaks and apoptosis in HeLaS3 tumor cells.

CAUTION: TOXIC

REFERENCES: Bose, R., et al. (1995) *Cell* 82:405.
 Boland, M.P., et al. (1997) *J. Biol. Chem.* 272:12952.

USAGE: **FOR RESEARCH USE! 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