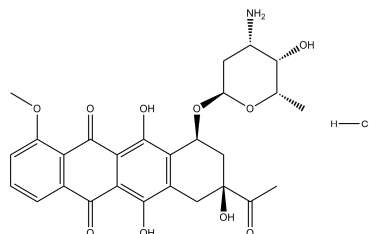


## Daunorubicin.HCl

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

LOT#: \_\_\_\_\_

### STRUCTURE:



MOLECULAR FORMULA:  $C_{27}H_{29}NO_{10} \cdot HCl$

MOLECULAR WEIGHT: 527.5 . 36.5

CAS NUMBER: 23541-50-6

APPEARANCE: Orange-Red Power

PURITY:  $\geq 95\%$

SOLUBILITY: Soluble in water or methanol

STORAGE CONDITIONS: Store at  $-20\text{ }^{\circ}\text{C}$ .

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.

**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
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies