

# BioVision PRODUCT: Colchicine

<b>CATALOG #:</b>	1519-1000
<b>AMOUNT:</b>	1 g
<b>LOT #:</b>	_____
<b>CAS NUMBER:</b>	64-86-8
<b>MOL. WEIGHT:</b>	399.4
<b>MOL. FORMULA:</b>	C <sub>22</sub> H <sub>25</sub> NO <sub>6</sub>
<b>PURITY:</b>	≥99%
<b>APPEARANCE:</b>	White solid
<b>STORAGE CONDITIONS:</b>	Store at 4°C. Protect from light.
<b>SOLUBILITY:</b>	Soluble in DMSO and water

## APPLICATION NOTES:

Inhibitor of microtubules by specific binding to tubulin. Antimitotic tool used in cell division studies; Antibiotic; anti-inflammatory; therapeutic agent. Induce apoptosis in PC-12 cells and cerebellar granule cells.

**CAUTION:** POTENT NEUROTOXIN

## REFERENCES:

1. Sherline, P., et al. (1974) *Anal. Biochemistry* **62**:400.
2. Arai, T. and Okuyama, T. (1975) *Anal. Biochemistry* **69**:443.

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

rev.04/06

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## 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