

**PRODUCT: Sodium 4-Phenylbutyrate**

<b>CATALOG #:</b>	1608-100
<b>AMOUNT:</b>	100 mg
<b>LOT #:</b>	_____
<b>CAS NUMBER:</b>	1716-12-7
<b>MOLECULAR FORMULA:</b>	C <sub>10</sub> H <sub>11</sub> O <sub>2</sub> · Na
<b>MOLECULAR WEIGHT:</b>	186.2
<b>PURITY:</b>	≥99% by HPLC
<b>APPEARANCE:</b>	White to yellowish solid
<b>SOLUBILITY:</b>	Soluble in water
<b>STORAGE CONDITIONS:</b>	-20°C

**DESCRIPTION:**

Inhibitor of histone deacetylase (HDAC). Anti-neoplastic agent and transcriptional regulator. Also acts as an inducer of tumor cytostasis and differentiation.

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

**REFERENCES:** Lea, M.A. and N. Tulsyan. (1995) *Anticancer Res.* 15:879.  
Warrell, Jr. R.P., *et al.*, (1998) *Cancer Inst.* 90:1621.

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

**RELATED PRODUCTS:**

## Apoptosis Detection Kits &amp; 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 &amp; 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 &amp; 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 &amp; Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

## Molecular Biology &amp; 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