

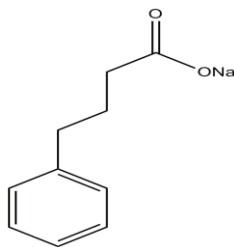
Sodium 4-Phenylbutyrate

CATALOG #: 1608-100 , -1000

AMOUNT: 100 mg, 1 g

LOT #: _____

STRUCTURE:



CAS NUMBER: 1716-12-7

MOLECULAR FORMULA: C₁₀H₁₁O₂ · Na

MOLECULAR WEIGHT: 186.2

PURITY: ≥99% by HPLC

APPEARANCE: White to yellowish solid

SOLUBILITY: Soluble in water

STORAGE CONDITIONS: -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 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

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- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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

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- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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