

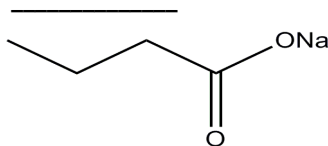
Sodium Butyrate (NaB)

CATALOG #: 1609-1000

AMOUNT: 1 gram

LOT #:

STRUCTURE:



MOLECULAR FORMULA: $C_4H_7O_2 \cdot Na$

MOLECULAR WEIGHT: 110.1

CAS NUMBER: 156-54-7

PURITY: $\geq 99\%$ by HPLC

APPEARANCE: White solid

SOLUBILITY: Soluble in water

STORAGE CONDITIONS: RT

DESCRIPTION:

A short chain fatty acid shown to be an inhibitor of histone deacetylase (HDAC). Induce apoptosis in colon carcinoma cell lines in a p53-independent pathway. Inhibits *c-myc* splicing and interferes with signal transduction processes, including the release of Ca^{2+} from intracellular stores. Downregulates the activity of serine/threonine protease kinase casein kinase II in HT29 cells.

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

REFERENCES: Rosso, G.L., *et al.* (1997) *BBRC* 233:673.
Krupitza, G., *et al.* (1995) *Carcinogenesis* 16: 1199.

RELATED PRODUCTS:

CBHA (Cat. No. 2284-5, 10)
Chidamide (Cat. No. 2261-1, 5)
CI-994 (Cat. No. 1742-10, 50)
CUDC-101 (Cat. No. 1966-5, 25)
Depudecin (Cat. No. 2087-100)
DiscoveryPak™ HDAC Inhibitor Set (Cat. No. K851-6)
DiscoveryPak™ HDAC Inhibitor Set II (Cat. No. K876-7)
M344 (Cat. No. 1701-1)
MS-275 (Entinostat, MS-275) (Cat. No. 1590-1,5)
Nexturastat A (Cat. No. 2098-1)
Nullscript (Cat. No. 2186-1)
Oxamflatin (Cat. No. 2250-1, 5)
Panobinostat (LBH589) (Cat. No. 1612-1,5)
PCI 34051 (Cat. No. 2251-5, 25)
SAHA (Cat. No. 1604-1)
SBHA (Cat. No. 2202-50, 250)
Sodium 4-phenylbutyrate (Cat. No. 1608-100,1000)
Sodium Butyrate (Cat. No. 1609-1000)
Splitomycin (Cat. No. 1610-5)
Trichostatin A (Cat. No. 1606-1)
Tubacin (Cat. No. 1984-250, 1000)
Tubastatin A (Cat. No. 1724-1, 5)

For Research Use Only! Not to be used in humans.