Creative Enzymes®

Sodium butyrate

Cat. No. CEI-0368

Lot. No. (See product label)

Introduction

Description	Sodium butyrate is a compound with formula Na(C3H7COO). It is the sodium salt of butyric acid. It has various effects on cultured mammalian cells including inhibition of proliferation, induction of differentiation and induction or repression of gene expression. As such, it can be used in lab to bring about any of these effects. Specifically, butyrate treatment of cells results in histone hyperacetylation, and butyrate itself inhibits HDAC activity. Butyrate has been an essential vehicle for determining the role of histone acetylation in chromatin structure and function. Inhibition of HDAC activity affects the expression of only 2% of mammalian genes.

Product Information

CAS No.	156-54-7
Molecular Formula	C4H7NaO2
Molecular Weight	110.09
Purity	>99%
Targets	HDAC
Solubility	DMSO

Storage and Shipping Information

Storage	2 years -20centigrade Powder