Phenylbutyrate sodium

HDAC inhibitor

Weak histone deacetylase (HDAC) inhibitor. Induces differentiation, growth arrest and apoptosis in a number of cell lines. Protects against cerebral ischemic injury and displays neuroprotective effect in a mouse model of Huntington's disease. Anti-neoplastic agent and transcriptional regulator. Also acts as an inducer of tumor cytostasis and differentiation. Shows chemical chaperone activity.

Citations: 11 View Online »

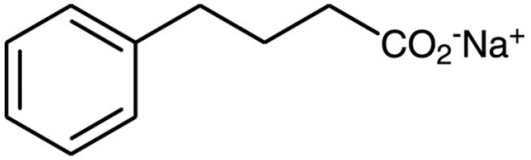
Ordering Information

Order Online »

BML-EI320-0001	1g

Manuals, SDS & CofA

View Online »

$CO_2^-Na^+$

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored at +20°C. Stock solutions are stable for up to 3 months at -20°C.
Handling	Hygroscopic.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Sodium 4-phenylbutyrate, 4-Phenylbutyric acid sodium salt, SBP, 4PBA, PBNa
Appearance	White to yellowish solid.
CAS	1716-12-7
Couple Target	HDAC
Couple Type	Inhibitor
Formula	$C_{10}H_{11}O_2$. Na
MW	186.2
Purity	≥98% (UHPLC)
Solubility	Soluble in DMSO or water (25mg/ml).

Last modified: May 29, 2024

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