

Datasheet for ABIN1027851 Phenylbutyrate Na



[Go to Product page](#)

Overview

Quantity: 100 mg

Product Details

Purpose: HDAC inhibitor

Characteristics: Histone deacetylase inhibitor.

Purity: >98 %

Chemical Name: Sodium 4-phenylbutanoate, 4-PB

Formula: C₁₀H₁₁NaO₂

Solubility: Soluble to 1100 mM in water and 100 mM in DMSO

Target Details

Background: Sodium phenylbutyrate is metabolized in the human body by beta-oxidation to phenylacetate, which is then conjugated with glutamine to phenylacetylglutamine, which is eliminated with urine. It inhibits cell proliferation, invasion and migration and induces apoptosis in glioma cells. It also inhibits protein isoprenylation, depletes plasma glutamine, increases production of fetal hemoglobin through transcriptional activation of gamma-globin gene.

Molecular Weight: 186.18

CAS-No: 1716-12-7

Application Details

Comment: Source: Synthetic.

Application Details

Appearance: White solid

Restrictions: For Research Use only

Handling

Format: Solid

Precaution of Use: Classification: Harmful. May be harmful if inhaled, swallowed or absorbed through skin. Safety Phrases: S22 - Do not breathe dust S24/25 - Avoid contact with skin and eyes S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

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Storage: -20 °C
