

## Sodium phenylbutyrate

**Catalog No:** 14032, 14033

**Format:** 5 g, 1 g

**Chemical Properties:**

MW = 186.2

$C_{10}H_{11}O_2 Na$

CAS 1716-12-7

Physical Properties: White powder

**Names:** Phenylbutyrate Na, 4-Phenylbutyric acid sodium salt, 4-PB, PBNa



**Pharmacology:** Histone deacetylase (HDAC) inhibitor. Inhibits proliferation, migration and invasion of a number of cancer cell lines. Induces differentiation, and apoptosis. Active *in vivo*.

**Solubilization:** May be dissolved in DMSO (4 mg/ml); Water (25 mg/ml)

**Fluorescent Properties:** N/A

**Quality Control:**

>98% (TLC; 5% CH<sub>3</sub>OH in CH<sub>2</sub>Cl<sub>2</sub>, R<sub>f</sub> = 0.36); NMR (Conforms)

**References:**

1. HH Engelhard *et al. J. Neuro-Oncol.* 1998, 37:97
2. IB Appelskog *et al. Int. J. Oncol.* 2004, 24:1419

**Storage and Guarantee:** Store desiccated as supplied at room temperature for up to 2 years. Store solutions at -20°C for up to 3 months. This product is for research use only and is not for use in diagnostic procedures. This product is guaranteed for 6 months from date of arrival.