

Catalog # 10-1118

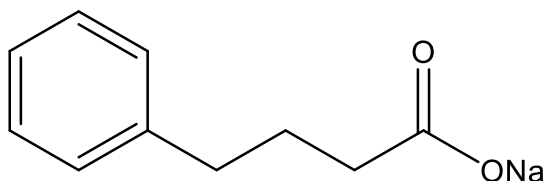
Phenylbutyrate Na

CAS# 1716-12-7

4-Phenylbutyric acid sodium salt

4-PB, PBNa

Lot # X101306



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

- 1) Engelhard *et al.* (1998), *Inhibitory effects of phenylbutyrate on the proliferation, morphology, migration and invasiveness of malignant glioma cells*; J. Neuro-Oncol., **37** 97
- 2) Appelskog *et al.* (2004), *Histone deacetylase inhibitor 4-phenylbutyrate suppresses GAPDH mRNA expression in glioma cells*; Int. J. Oncol., **24** 1419

PHYSICAL DATA

Molecular Weight: 186.19

Molecular Formula: C₁₀H₁₁O₂ Na

Purity: 98% by TLC [5% CH₃OH in CH₂Cl₂; R_f = 0.36]

NMR: (Conforms)

Solubility: DMSO (up to 4 mg/ml), or Water (up to 25 mg/ml)

Physical Description: White solid

Storage and Stability: Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

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