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Sodium Phenylbutyrate

National Cancer Institute

Source

National Cancer Institute. *Sodium Phenylbutyrate*. NCI Thesaurus. Code C1440.

The sodium salt of phenylbutyrate, a derivative of the short-chain fatty acid butyrate, with potential antineoplastic activity. Phenylbutyrate reversibly inhibits class I and II histone deacetylases (HDACs), which may result in a global increase in gene expression, decreased cellular proliferation, increased cell differentiation, and the induction of apoptosis in susceptible tumor cell populations.