

**DATA SHEET**

**Product Name:** Vorinostat

**Catalog #:** N-3021

**Alt:** CAS # 149647-78-9; Suberoylanilide-hydroxamic acid; SAHA

**Molecular Mass:** 264.3 C<sub>14</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>

**Analysis:** >98% (HPLC); NMR (conforms)

**Supplied As:** White powder

**Resuspension:** May be dissolved in DMSO (50 mg/ml); or ethanol (2 mg/ml)

**Storage:** Store desiccated as supplied at ambient temperature for up to 5 years.  
Store solutions at -20°C for up to 1 month.

**Description:** Potent and selective histone deacetylase inhibitor<sup>1</sup>. Induces apoptosis in a variety of tumor cell lines (IC<sub>50</sub> = 3-8 μM)<sup>2</sup>. Synergizes with kinase inhibitors to kill CNS tumor cells<sup>3</sup>. Prevents diabetes in a mouse model by immunoregulation and β-cell protection<sup>4</sup>. Induces neuronal differentiation in DKFZ-EP1NS cells, a cell line which displays stem cell features such as self-renewal capacity<sup>5</sup>. Cell permeable.

**References:**

1. Vrana, A., et al., (1999) *Oncogene*, *18*: 7016
2. Butler, L.M., et al., (2002) *Proc. Natl. Acad. Sci. USA*, *99*: 11700
3. Tang, Y., et al., (2012) *Cancer Biol. Ther.*, *13*: 567
4. Christensen, D.P., et al., (2014) *Proc. Natl. Acad. Sci. USA*, *111*: 1055
5. Milde, T., et al., (2011) *Acta. Neuropathol.*, *122*: 637

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