

## Vorinostat (SAHA)

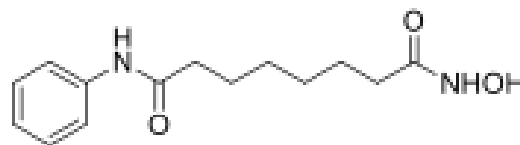
**Catalog No:** 14026, 14027**Format:** 50 mg, 10 mg**Chemical Properties:**

MW = 264.3

 $C_{14}H_{20}N_2O_3$ 

CAS 149647-78-9

Physical Properties: White powder

**Names:** Vorinostat, SAHA, Suberoylanilide-hydroxamic acid

**Pharmacology:** Potent and selective histone deacetylase inhibitor (ref 1). Induces apoptosis in a variety of tumor cell lines (ref 2). Synergizes with kinase inhibitors to kill CNS tumor cells (ref 3). Prevents diabetes in a mouse model by immunoregulation and  $\beta$ -cell protection (ref4). Cell permeable.

**Solubilization:** May be dissolved in DMSO (50 mg/ml); Ethanol (2 mg/ml)

**Fluorescent Properties:** N/A

**Quality Control:**

&gt;98% (TLC); NMR (Conforms)

## References:

1. JA Vrana *et al. Oncogene* 1999, 18:7016
2. LM Butler *et al. Proc. Natl. Acad. Sci. USA* 2002, 99:11700
3. Y Tang *et al. Cancer Biol. Ther.* 2012, 13:567
4. DP Christensen *et al. Proc. Natl. Acad. Sci. USA* 2014, 111:1055

**Storage and Guarantee:** Store desiccated as supplied at room temperature for up to 5 years. Store solutions at -20°C for up to 1 month. This product is guaranteed for 6 months from date of arrival.