

## Apicidin

Cat. No. CEI-0495

Lot. No. (See product label)

### Introduction

**Description** A potent, cell permeable inhibitor of histone deacetylase ( $IC_{50} = 700$  pM for parasitic histone deacetylase). Inhibits HeLa cell proliferation ( $IC_{50} = 50 - 100$  nM) and induces the transcriptional activation of p21 (WAF1) in a reversible manner. Also prevents H-ras-induced invasive phenotype of MCF-10A cells possibly by down regulating MMP-2 in a reversible manner.

### Product Information

**Appearance** Gray solid

**CAS No.** 183506-66-3

**Molecular Formula**  $C_{34}H_{49}N_5O_6$

**Chemical Name** cyclo-L-(2-Amino-8-oxodecanoyl)-L-(N-methoxy-tryptophan)-L-isoleucyl-D-pipecolinyl]Suberoylanilide hydroxamic acid

**Molecular Weight** 415.2

**Purity** >98% by  $^{51}V$ -NMR

**Targets** HDAC

**Solubility**  $H_2O$  (>5 mg/ml)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack