

**DATA SHEET**

**Product Name:** Apicidin

**Catalog #:** CV-1013

**Alt:** CAS # 183506-66-3; Nec-1s; Cyclo[[*(2S)*]-2-amino-8-oxodecanoyl-1-methoxy-L-tryptophyl-L-isoleucyl-(*2R*)-2- piperidinexcarbonyl]

**Molecular Mass:** 623.8

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

**Supplied As:** White powder

**Resuspension:** Soluble in DMSO (10 mg/ml); or ethanol (1 mg/ml)

**Storage:** Stable for at least 1 year after receipt when stored, as supplied, at 20°C. Stock solutions are stable for up to 3 months at -20°C.

**Description:** Cyclopeptide inhibitor of histone deacetylases (HDACs)<sup>1</sup>. Inhibits HeLa cell proliferation (IC<sub>50</sub>=50-100 nM) and induces reversible transcriptional activation of p21 (WAF1)<sup>2</sup>. Decreases HIF1 $\alpha$  protein levels and transcriptional activity in human and mouse tumor cell lines<sup>3</sup>. Cell permeable

**References:**  
1. Darkin-Rattray, S.J., et al., (1996) Proc. Natl. Acad. Sci. USA., 93: 13143  
2. Han, J.W., et al., (2000) Cancer Res., 60: 6068  
3. Kim, S.H., et al., (2007) Oncol. Rep., 17: 647

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