

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 ₂ O (>5 mg/ml)

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel pack