Apicidin

HDAC inhibitor

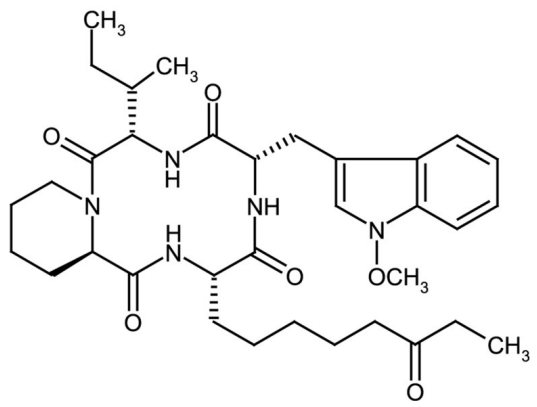
Potent inhibitor of histone deacetylase (HDAC). Inhibits proliferation. Induces cell cycle arrest at the G1 phase. At 100nM it induces a long lasting hyperacetylation of histone H4 while that induced by trichostatin is transient. Stimulates apoptosis. Apoptosis is induced via induction of Fas/Fas ligand. Displays potent antiangiogenic effects and dramatically decreases HIF-1α protein levels and transcriptional activity in human and mouse tumor cell lines. Antiprotozoal.

Citations: 20 View Online »

Ordering Information Order Online »

BML-GR340-0005	5mg

Manuals, SDS & CofA View Online »


CH3
CH3
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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. 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.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	cyclo-L-(2-Amino-8-oxodecanoyl)-L-(N-methoxy-tryptophan)-L-isoleucyl-D-pipecolinyl, Cyclo(N-O-methyl-L-tryptophanyl-L-isoleucinyl-D-pipecolinyl-L-2-amino-8-oxodecanoyl)
Appearance	White powder.
CAS	183506-66-3
Couple Target	HDAC
Couple Type	Inhibitor
Formula	$C_{34}H_{49}N_5O_6$
MW	623.8
Purity	≥99% (HPLC)
Solubility	Soluble in DMSO or 100% ethanol.

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