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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Apicidin

HDAC inhibitor
Catalog No. SIH-346



Discovery through partnership | Excellence through quality

Overview

Product Name

Apicidin

Description

HDAC inhibitor

Purity

>98% (HPLC); NMR (conforms)

CAS No.

183506-66-3

Molecular Formula

C₁₁H₁₁N₁O₁

Molecular Weight

623.8

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in 10 mg/ml DMSO or 100% Ethanol

Source

Synthetic

Appearance

White Solid

SMILES

CC[C@H](C)[C@H]1C(=O)N2CCCC[C@@H]2C(=O)N[C@H](C(=O)N[C@H](C(=O)N1)CC3=CN(C4=CC=CC=C43)OC)CCCCC(=O)CC

InChI

InChI=1S/C₃₄H₄₉N₅O₆/c1-5-22(3)30-34(44)38-19-13-12-18-29(38)33(43)35-26(16-9-7-8-14-24(40)6-2)31(41)36-27(32(42)37-30)20-23-21

InChIKey

JWOGUUIOCYMBPV-GMFLJSBRSA-N

Safety Phrases

Classification: Toxic. May be harmful or fatal if inhaled, swallowed, or absorbed through skin.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25- Avoid contact with skin and eyes

Hazard Statements:

H300+H310 Fatal if swallowed or in contact with skin.

H330 Fatal if inhaled

Precautionary Statements:

P260 Do not breathe dust/fumes/gas/mist/vapours/spray

P264- Wash hands thoroughly after handling

P280 Wear protective gloves/ Protective clothing

P284 Wear respiratory protection

P302 + P350 If on skin: Gently wash with plenty of soap and water.

P310 Immediately call a poison center or doctor/ physician

Cite This Product

Apicidin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-346)

Biological Description

Alternative Names

(3S,6S,9S,15aR)-9-[[2S]-2-Butanyl]-6-[[1-methoxy-1H-indol-3-yl)methyl]-3-(6-oxooctyl)octahydro-2H-pyrido[1,2-a][1,4,7,10]tetraazacyclododecine-1,4,7,10(3H,12H)-trione; Cyclo(N-O-methyl-L-tryptophanyl-L LisoleucinyL-DpipecolinyL-L-2-amino-8-oxodecanoyl)

Research Areas

Cancer, Cell Signaling, Epigenetics

PubChem ID

6918328

Scientific Background

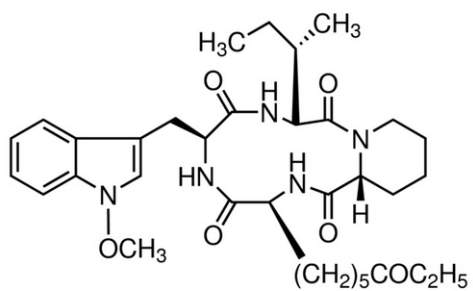
Cyclopeptide inhibitor of histone deacetylases (HDACs). Inhibits HeLa cell proliferation (IC50=50-100 nM) and induces reversible transcriptional activation of p21 (WAF1). Decreases HIF1 α protein levels and transcriptional activity in human and mouse tumor cell lines. Cell permeable.

References

1. Darkin-Ratray 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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Product Images

Chemical structure of Apicidin (SIH-346), a HDAC inhibitor. CAS #: 183506-66-3.
Molecular Formula: C₃₄H₄₉N₅O₆ . Molecular Weight: 623.8 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.