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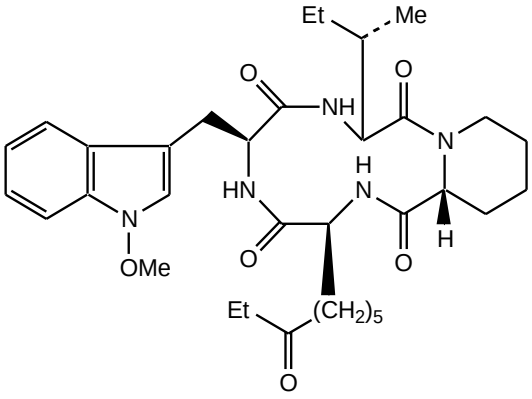
Product Information

Apicidin
from microbial source

Catalog Number **A8851**
Storage Temperature –20 °C

CAS RN 183506-66-3
Synonym: Cyclo[(2S)-2-amino-8-oxodecanoyl-1-methoxy-L-tryptophyl-L-isoleucyl-(2R)-2-piperidine-carbonyl]



Product Description
Molecular formula: $C_{34}H_{49}N_5O_6$
Molecular weight: 623.78

Apicidin is a potent (nM) cell permeable inhibitor of histone deacetylase. It also exhibits antiprotozoal and potential antimalarial properties.

Apicidin has antiproliferative activity on HeLa cells accompanied by cell arrest at G_1 phase. In addition, it induces selective changes in the expression of p21 and gelsolin.

Purity: ≥98% (HPLC)

Precautions and Disclaimer
For R&D use only. Not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions
Apicidin is soluble in dimethyl sulfoxide (DMSO).

Storage/Stability
For extended storage, freeze at –20 °C. For continuous use, this product may be stored at 2–8 °C for at least 6 months.

A solution of apicidin in DMSO at 1 mg/ml is stable at 2–8 °C for at least one month.

References
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3. Andrews, K.T. et al., *Int. J. Parasitol*., **30**, 761 (2000).
4. Kim, J.S., et al., *Biochem. Biophys. Res. Commun*., **281**, 866 (2001).
5. Han, J.W., et al., *Cancer Res*., **60**, 6068 (2000).

EM,PHC,MAM,SM 07/20-1