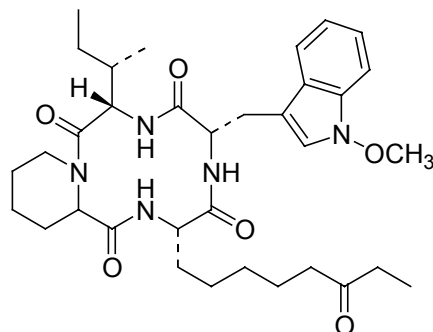


## Apicidin

Code: **BIA-A1006**

Pack sizes: **2.0 mg, 10 mg**



Synonyms :

## Specifications

CAS #	: 183506-66-3
Molecular Formula	: C <sub>34</sub> H <sub>49</sub> N <sub>5</sub> O <sub>6</sub>
Molecular Weight	: 623.8
Source	: <i>Fusarium</i> sp. MST-FP2024
Appearance	: <b>White Solid</b>
Purity	: <b>&gt; 95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

Apicidin is a cyclic peptide antibiotic with broad spectrum antiparasitic and antiprotozoan activity. A histone deacetylase inhibitor, apicidin is anti-angiogenic and induces apoptosis.

## References

1. Apicidin is a histone deacetylase inhibitor with anti-invasive and anti-angiogenic potentials. Kim S.H. et al. *Biochem. Biophys. Res. Commun.* **2004**, 315, 964.
2. Apicidin, a histone deacetylase inhibitor, inhibits proliferation of tumor cells via induction of p21WAF1/Cip1 and gelsolin. Han J.W. et al. *Cancer Res.* **2000**, 60, 6068.