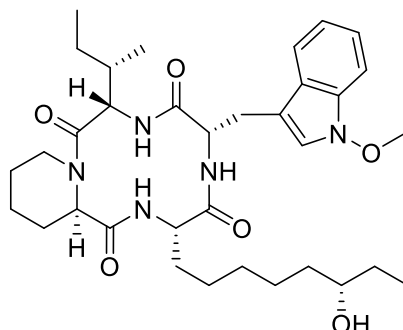


Apicidin D2

Code No.: **BIA-A2984**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 177562-78-6
Molecular Formula	: C₃₄H₅₁N₅O₆
Molecular Weight	: 625.8
Source	: <i>Fusarium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Apicidin D2 is the 8'S-alcohol derivative of apicidin, produced by *Fusarium* sp.. While there is minimal published data on the biological activity of apicidin D2, the apicidins are histone deacetylase inhibitors and have potent and broad spectrum antitumor, antiparasitic and antiprotozoan activity.

References

1. 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.
2. 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.
3. Apicidin: a novel antiprotozoal agent that inhibits parasite histone deacetylase. Darkin-Rattray S.J. et al. *Proc Nat Acad Sci.* 1996, 93, 13143.
4. Structure and chemistry of apicidins, a class of novel cyclic tetrapeptides without a terminal α -keto epoxide as inhibitors of histone deacetylase with potent antiprotozoal activities. Singh S. et al. *J Org Chem.* 2002, 67, 815.