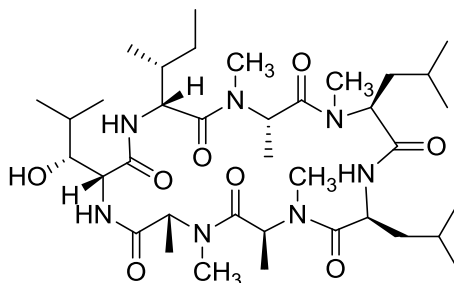


## Ternatin

Code No.: **BIA-T1397**

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



Synonyms :

## Specifications

CAS #	: 148619-41-4
Molecular Formula	: C <sub>37</sub> H <sub>67</sub> N <sub>7</sub> O <sub>8</sub>
Molecular Weight	: 738.0
Source	: Unidentified fungus
Appearance	: White solid
Purity	: >98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

## Application Notes

Ternatin is a cyclic peptide antifungal metabolite, first isolated from the fungus *Didymocladium ternatum* in Russia in 1974. More recently, ternatin has been demonstrated to be a potent inhibitor of fat accumulation in 3T3-L1 murine adipocytes. Note that this metabolite should not be confused with the plant flavonoid of the same name.

## References

1. Convergent synthesis and in vivo inhibitory effect on fat accumulation of (-)-ternatin, a highly N-methylated cyclic peptide. Shimokawa K. et al. Bioorg. Med. Chem. Lett. 2005, 17, 4447.
2. (-)-Ternatin, a highly N-methylated cyclic heptapeptide that inhibits fat accumulation: Structure and synthesis. Shimokawa K. et al. Tet. Lett. 2006, 47, 4445.

Updated: 2 December 2014