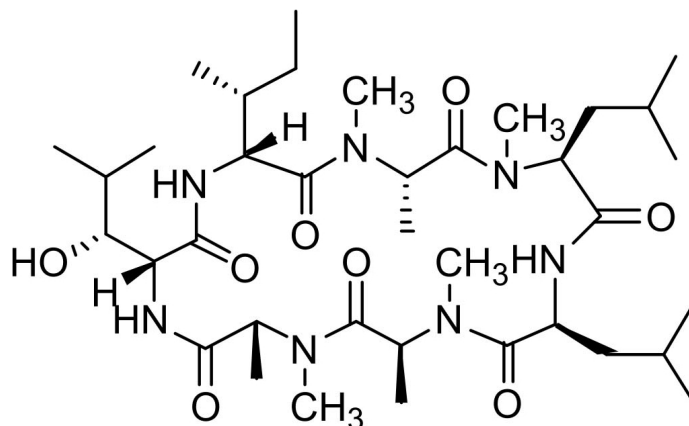


Ternatin

Code No.: BIA-T1397

Pack sizes.: 1mg, 5mg



Synonyms:

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Specifications

CAS #	: 148619-41-4
Molecular Formula	: C37H67N7O8
Molecular Weight	: 738
Source	: -
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.