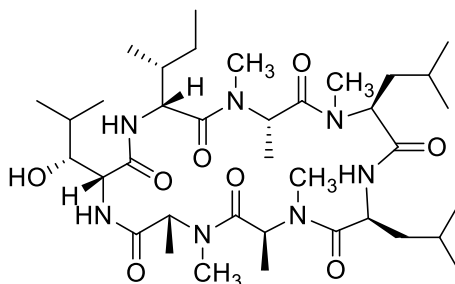


Ternatin

Code No.: **BIA-T1397**

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



Synonyms :

Specifications

CAS #	:	148619-41-4
Molecular Formula	:	C₃₇H₆₇N₇O₈
Molecular Weight	:	738
Source	:	Unidentified fungus
Appearance	:	White solid
Purity	:	>95% 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.