

<b>Product Name:</b>	Ternatin
<b>Product Number:</b>	T080
<b>CAS Number:</b>	148619-41-4
<b>Molecular Formula:</b>	$C_{37}H_{67}N_7O_8$
<b>Molecular Weight:</b>	738.0
<b>Appearance:</b>	White solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Ternatin is a cyclic peptide antifungal metabolite, first isolated from the fungus <i>Didymocladium ternatum</i> 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.</p> <p>Ternatin is soluble in ethanol, methanol, DMF and DMSO and has limited water solubility.</p>
<b>References:</b>	<p>Convergent synthesis and in vivo inhibitory effect on fat accumulation of (–)-ternatin, a highly N-methylated cyclic peptide. Shimokawa K. et al. <i>Bioorg. Med. Chem. Lett.</i> 2005, 17, 4447.</p> <p>(–)-Ternatin, a highly N-methylated cyclic heptapeptide that inhibits fat accumulation: Structure and synthesis. Shimokawa K. et al. <i>Tet. Lett.</i> 2006, 47, 4445.</p>