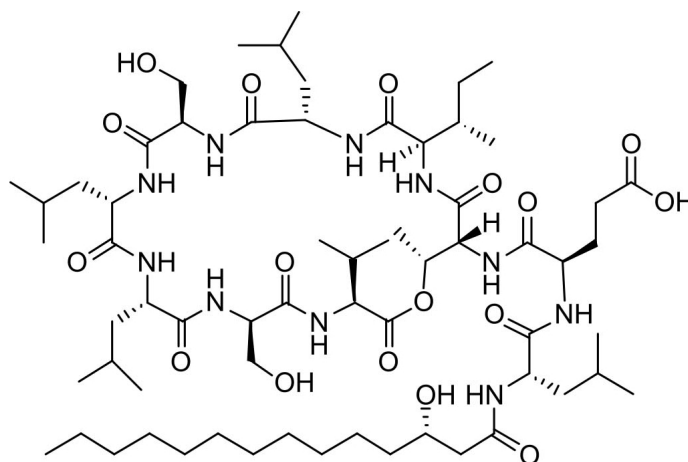


Orfamide A

Code No.: BIA-O1430

Pack sizes.: 1mg, 5mg



Synonyms:

-

Specifications

CAS #	: 939960-34-6
Molecular Formula	: C64H114N10O17
Molecular Weight	: 1295.7
Source	: -
Appearance	: White solid
Purity	: >98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Orfamide A is the major component of a family of cyclic lipopeptides produced by *Pseudomonas fluorescens*, reported in 2007. The orfamides were discovered by employing genomic analysis with an isotope-guided fractionation to identify metabolites produced by orphan gene clusters containing non-ribosomal peptide synthetases. Orfamide A has received scant investigation of its bioprofile but appears to be a selective antifungal agent. Uniquely, orfamide A lyses zoospores of the oomycete, *Phytophthora ramorum*, the cause of sudden oak death. Orfamide A has a profound effect on the swarming motility of bacteria on agar surfaces.

References

1. The genomisotopic approach: a systematic method to isolate products of orphan biosynthetic gene clusters. Gross H. et al., Chem Biol. 2007, 14, 53.