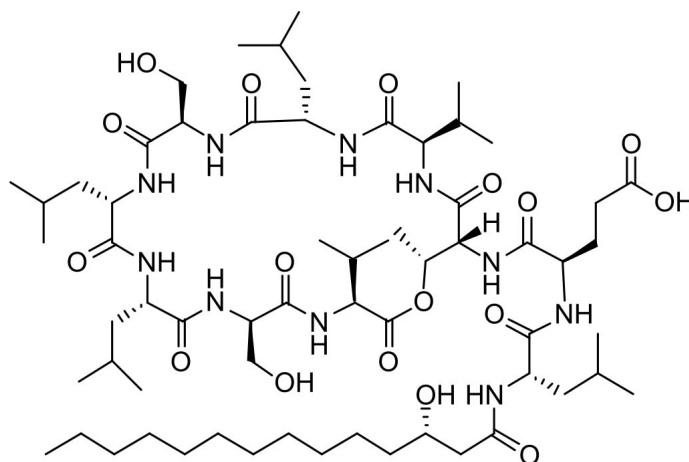


## Orfamide B

Code No.: BIA-O1431

Pack sizes.: 1mg, 5mg



Synonyms:

-

## Specifications

CAS #	: <b>939960-35-7</b>
Molecular Formula	: <b>C63H112N10O17</b>
Molecular Weight	: <b>1281.6</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;98% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</b>

## Application Notes

Orfamide B is a 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 B has not been further investigated, although its activity is thought to parallel that of orfamide A and other cyclic lipopeptides produced by *Pseudomonas*.

## 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.