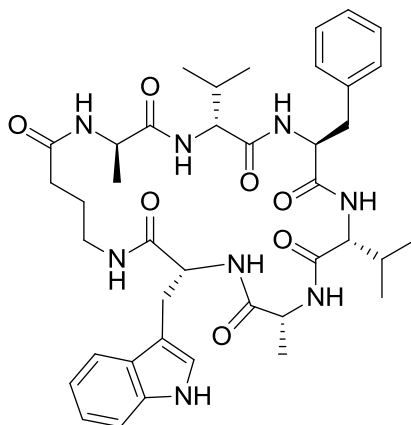


Unguisin A

Code No.: **BIA-U1682**

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



Synonyms :

Specifications

CAS #	: 226956-06-5
Molecular Formula	: C₄₀H₅₄N₈O₇
Molecular Weight	: 758.9
Source	: <i>Aspergillus unguis</i>
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Unguisin A is a major analogue of a class of cyclic heptapeptides isolated from *Emericella unguis* (*Aspergillus unguis*) by Malmstrom, University of Copenhagen, Denmark in 1999. Structurally, unguisin A is comprised of only one proteogenic amino acid, L-phenylalanine with two D-valines, two D-alanines and a D-tryptophan. Uniquely, the macrocycle of the unguisins is annealed to γ -aminobutyric acid. The structure of unguisin A was confirmed by total synthesis in 2011. No reports of pharmacology of unguisin A have appeared in the literature to date.

References

1. Unguisins A and B: new cyclic peptides from the marine-derived fungus *Emericella unguis*. Malmstrom J., J. Nat. Prod. 1999, 62, 787.
2. Total synthesis of unguisin A. Hunter L. and Chung J.H., J. Org. Chem. 2011, 76, 5502.