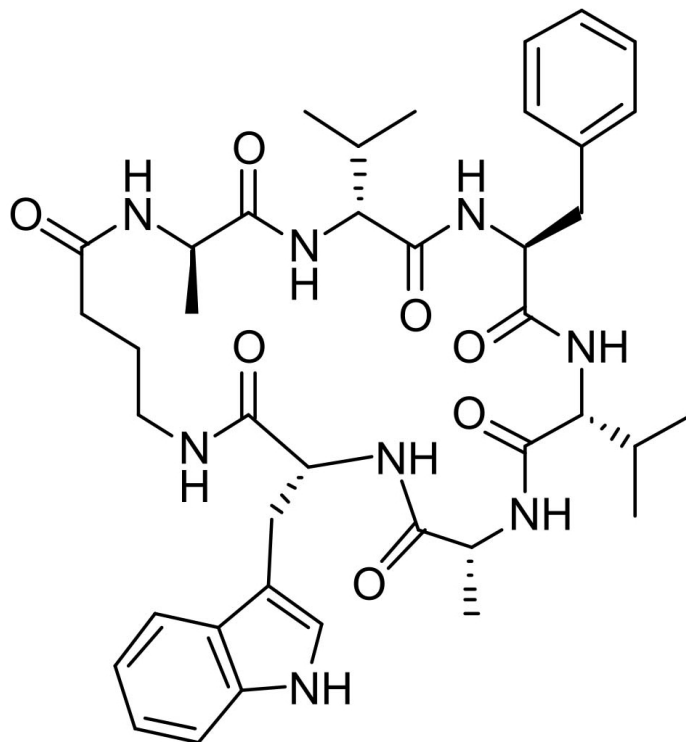


Unguisin A

Code No.: BIA-U1682

Pack sizes.: 1mg, 5mg



Synonyms:

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Specifications

CAS #	: 226956-06-5
Molecular Formula	: C40H54N8O7
Molecular Weight	: 758.91
Source	: -
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 Malstrom, University of Copenhagen, Denmark in 1999. Structurally, unguisuin 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.