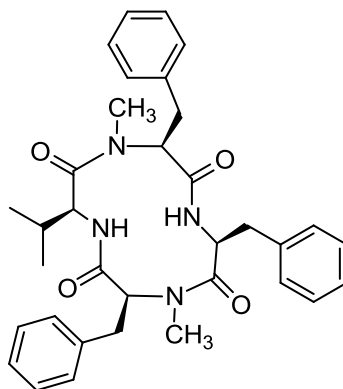


Hirsutide

Code No.: **BIA-H1635**

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



Synonyms :

Specifications

CAS #	:	865368-30-5
Molecular Formula	:	C₃₄H₄₀N₄O₄
Molecular Weight	:	568.7
Source	:	<i>Aspergillus</i> sp.
Appearance	:	Beige solid
Purity	:	>95% by HPLC
Long Term Storage	:	-20°C
Solubility	:	Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Hirsutide is cyclic tetrapeptide isolated from an entomopathogenic fungus, *Hirsutella* sp., recovered from an infected spider by Munro and Blunt in New Zealand in 2005. Hirsutide was inactive against a limited cohort of bacteria and fungi and had no mammalian toxicity. However, subsequent synthesis and testing against other tumor cell lines, Gram negative bacteria, nematodes and pathogenic fungi revealed hirsutide to possess a broad bioprofile.

References

1. Hirsutide, a cyclic tetrapeptide from a spider-derived entomopathogenic fungus, *Hirsutella* sp. Lang G. et al., J. Nat. Prod. 2005, 68, 1303.
2. Toward the synthesis and biological evaluation of hirsutide. Dahiya R. et al., Monatsh. Chem. 2009, 140, 121.