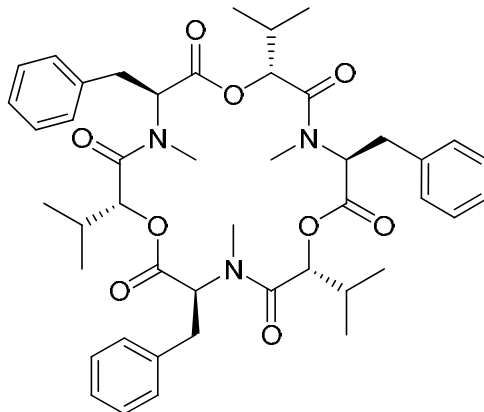


## Beauvericin

Code: **BIA-B1238**

Pack sizes: **5 mg, 25 mg**



Synonyms : -

### Specifications

CAS #	: 26048-05-5
Molecular Formula	: C <sub>45</sub> H <sub>57</sub> N <sub>3</sub> O <sub>9</sub>
Molecular Weight	: 783.0
Source	: <i>Beauveria bassiana</i>
Appearance	: White powder
Purity	: > 97% by HPLC
Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Very limited water solubility.

### Application Notes

Beauvericin is a cyclic depsipeptide isolated from several fungal genera, notably *Beauveria* and *Fusarium*, first reported in 1969. Beauvericin exhibits broad antifungal, antibacterial, antiprotozoan and insecticidal activities. At the molecular level, beauvericin has been shown to exhibit ionophoric properties and inhibits acyl-CoA:cholesterol acyltransferase activity. Beauvericin induces apoptosis by elevating intracellular calcium levels.

### References

1. The structure of beauvericin, a new depsipeptide antibiotic toxic to *Artemia salina*. Hamill Z. R. L. et al. Tet. Letters 1969, 4255.
2. Inhibition of acyl-CoA:cholesterol acyltransferase activity by cyclodepsipeptide antibiotics. Tomoda H. et al. J. Antibiot. 1992, 45, 1626.
3. Beauvericin Production by *Fusarium* Species. Logrieco A. et al. Appl. Environ. Microbiol. 1998, 64, 3084.