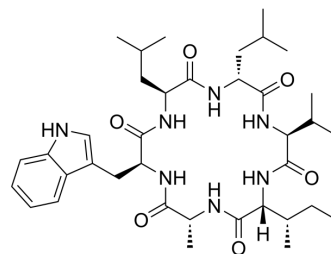


## Baceridin

Cat. No.:	HY-P4910
CAS No.:	1622872-91-6
Molecular Formula:	C <sub>37</sub> H <sub>57</sub> N <sub>7</sub> O <sub>6</sub>
Molecular Weight:	695.89
Sequence:	Cyclo(Trp-{d-Ala}-{d-allo-Ile}-Val-{d-Leu}-Leu)
Sequence Shortening:	Cyclo(W-{d-Ala}-{d-allo-Ile}-V-{d-Leu}-L)
Target:	Proteasome; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Baceridin is a proteasome inhibitor and a cyclic hexapeptide. Baceridin can be isolated from the culture medium of Epiphytic Bacillus. Baceridin can inhibit cell cycle progression and induce tumor cell apoptosis through a p53-independent pathway. Baceridin can be used in cancer research<sup>[1]</sup>.

### REFERENCES

[1]. Niggemann J, et al. Baceridin, a cyclic hexapeptide from an epiphytic bacillus strain, inhibits the proteasome. *Chembiochem*. 2014 May 5;15(7):1021-9.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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