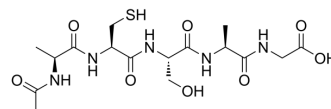


## EP5-1

Cat. No.:	HY-P5703
Molecular Formula:	C <sub>16</sub> H <sub>27</sub> N <sub>5</sub> O <sub>8</sub> S
Molecular Weight:	449.48
Sequence:	Ac-Ala-Cys-Ser-Ala-Gly
Sequence Shortening:	Ac-ACSAG
Target:	Bacterial; Apoptosis; Fungal
Pathway:	Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

EP5-1 is an antimicrobial peptide. EP5-1 has antibacterial and antifungal activities. EP5-1 also shows antitumor activity against cancer cells, and induces cell apoptosis. EP5-1 has antiviral activity against pseudorabies virus (PRV)<sup>[1]</sup>.

## REFERENCES

[1]. Chelinho S, et al. Toxicity of the bionematicide 1,4-naphthoquinone on non-target soil organisms. Chemosphere. 2017 Aug;181:579-588.

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

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