

S-Thanatin

Cat. No.:	HY-P10228
CAS No.:	1027105-06-1
Molecular Formula:	C ₁₀₂ H ₁₇₇ N ₃₅ O ₂₇ S ₃
Molecular Weight:	2421.91
Sequence:	Gly-Ser-Lys-Lys-Pro-Val-Pro-Ile-Ile-Tyr-Cys-Asn-Arg-Arg-Ser-Gly-Lys-Cys-Gln-Arg-Met
Sequence Shortening:	GSKKPVPIIYCNRRSGKCQRM
Target:	Fungal; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

S-Thanatin is an insect antimicrobial peptide with potent broad-spectrum antibacterial activity. S-Thanatin can inhibit the activity of Gram-negative bacteria, Gram-positive bacteria, and fungi, without cytotoxicity. The antibacterial activity of S-Thanatin is not affected by PH value, but monovalent cations (Na⁺/K⁺) can reduce its antibacterial activity against Gram-negative bacteria in a dose-dependent manner^[1].

REFERENCES

[1]. Wu G, et al. Effects of cations and pH on antimicrobial activity of thanatin and s-thanatin against Escherichia coli ATCC25922 and B. subtilis ATCC 21332[J]. Nature Precedings, 2008: 1-1.

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

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