

Nv-CATH

Cat. No.:	HY-P5724
Molecular Formula:	C ₁₄₂ H ₂₄₃ N ₄₉ O ₃₉ S ₃
Molecular Weight:	3356.95
Sequence:	Asn-Cys-Asn-Phe-Leu-Cys-Lys-Val-Lys-Gln-Arg-Leu-Arg-Ser-Val-Ser-Ser-Thr-Ser-His-Ile -Gly-Met-Ala-Ile-Pro-Arg-Pro-Arg-Gly
Sequence Shortening:	NCNFLCKVKQLRSVSSTSHIGMAIPRPRG
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Nv-CATH is an antibacterial peptide of frog origin. Nv-CATH has broad-spectrum antibacterial activity against gram-positive and gram-negative bacteria. Nv-CATH significantly protects mice from fatal infections caused by *Staphylococcus aureus*. Nv-CATH protects mice from bacterial infection through antimicrobial immunoregulatory duality^[1].

REFERENCES

[1]. Shi J, et al. A Frog-Derived Cathelicidin Peptide with Dual Antimicrobial and Immunomodulatory Activities Effectively Ameliorates *Staphylococcus aureus*-Induced Peritonitis in Mice. *ACS Infect Dis*. 2022 Dec 9;8(12):2464-2479.

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

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