

Bovine tracheal antimicrobial peptide

Cat. No.:	HY-P5632
Molecular Formula:	$C_{169}H_{296}N_{58}O_{45}S_7$
Molecular Weight:	4084.98
Sequence:	Asn-Pro-Val-Ser-Cys-Val-Arg-Asn-Lys-Gly-Ile-Cys-Val-Pro-Ile-Arg-Cys-Pro-Gly-Ser-Met-Lys-Gln-Ile-Gly-Thr-Cys-Val-Gly-Arg-Ala-Val-Lys-Cys-Cys-Arg-Lys-Lys (Disulfide bridge: C5-C34,C12-C27,C17-C35)
Sequence Shortening:	NPVSCVRNKGICVPIRCPGSMKQIGTCVGRAVKCCRKK (Disulfide bridge:C5-C34,C12-C27, C17-C35)
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Bovine tracheal antimicrobial peptide is a kind of comes from the tracheal mucosa of antimicrobial peptides. Bovine tracheal antimicrobial peptide has activity against E.coli D31, K.pneumoniae 13883, S.aureus 25923, P.aeruginosa 27853 and C.albicans 14053, MIC value 12-25, 12-25, 25-50, 25-50, 6-12 µg/ml, respectively^[1].

REFERENCES

[1]. Diamond G, et al. Tracheal antimicrobial peptide, a cysteine-rich peptide from mammalian tracheal mucosa: peptide isolation and cloning of a cDNA. Proc Natl Acad Sci U S A. 1991 May 1;88(9):3952-6.

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

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