Lynronne-1

Cat. No.:	HY-P5545
Molecular Formula:	$C_{113}H_{183}N_{35}O_{23}$
Molecular Weight:	2399.88
Sequence:	Leu-Pro-Arg-Arg-Asn-Arg-Trp-Ser-Lys-Ile-Trp-Lys-Lys-Val-Val-Thr-Val-Phe-Ser-NH2
Sequence Shortening:	LPRRNRWSKIWKKVVTVFS-NH2
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Lynronne-1 is an antimicrobial peptide. Lynronne-1 is active against Gram-positive bacterials, including MDR strains (MIC: 8-32 μg/mL for methicillin-resistant MRSA strains). Lynronne-1 reduces the bacterial load in MRSA infected wound murine model. Lynronne-1 is also effective against P. aeruginosa infection[1].

REFERENCES

[1]. Oyama LB, et al. The rumen microbiome: an underexplored resource for novel antimicrobial discovery. NPJ Biofilms Microbiomes. 2017 Dec 1;3:33.

[2]. Mulkern AJ, et al. Microbiome-derived antimicrobial peptides offer therapeutic solutions for the treatment of Pseudomonas aeruginosa infections. NPJ Biofilms Microbiomes. 2022 Aug 29;8(1):70.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA