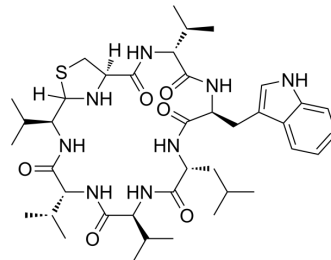


Lugdunin

Cat. No.:	HY-P4200
CAS No.:	1989698-37-4
Molecular Formula:	C ₄₀ H ₆₂ N ₈ O ₆ S
Molecular Weight:	783.04
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Lugdunin is an antibiotic peptide. Lugdunin inhibits bacteria by dissipating their membrane potential. Lugdunin is active against Gram-positive bacteria, such as *S. aureus*, and reduces *S. aureus* skin and nasal colonization. Lugdunin induces LL-37 and CXCL8/MIP-2 in human keratinocytes and mouse skin^[1].

REFERENCES

[1]. Bitschar K, et al. Lugdunin amplifies innate immune responses in the skin in synergy with host- and microbiota-derived factors. *Nat Commun.* 2019 Jun 21;10(1):2730.

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

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