

LfcinB (20–30)

Cat. No.:	HY-P3917
CAS No.:	183476-25-7
Molecular Formula:	C ₇₀ H ₁₁₃ N ₂₅ O ₁₃ S
Molecular Weight:	1544.87
Sequence:	Arg-Arg-Trp-Gln-Trp-Arg-Met-Lys-Lys-Leu-Gly
Sequence Shortening:	RRWQWRMKKLG
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	LfcinB (20–30) is a fragment of bovine lactoferricin. LfcinB (20–30) has bactericidal, antifungal, antiparasitic, antitumor, antiviral and immunomodulatory activities.
In Vitro	LfcinB (20–30) (50 or 100 µg/mL, 24 h) significantly downregulates MMP-1, MMP-3 and MMP-13 at mRNA and protein levels in a concentration-dependent manner in chondrocyte ^[1] . LfcinB (20–30) (50 µg/mL, 24 h) can effectively activate ERK MAPK and Akt pathways, thus mediating anti-inflammatory effects ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dongyao Yan, et al. Bovine lactoferricin is anti-inflammatory and anti-catabolic in human articular cartilage and synovium. J Cell Physiol. 2013 Feb;228(2):447-56.

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

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