

Melimine

Cat. No.:	HY-P5552
Molecular Formula:	C ₁₅₈ H ₂₉₀ N ₇₄ O ₃₅
Molecular Weight:	3786.47
Sequence:	Thr-Leu-Ile-Ser-Trp-Ile-Lys-Asn-Lys-Arg-Lys-Gln-Arg-Pro-Arg-Val-Ser-Arg-Arg-Arg-Arg-Arg-Arg-Gly-Gly-Arg-Arg-Arg-Arg
Sequence Shortening:	TLISWIKNKRKQRPVSRRRRRRGRRRR
Target:	Bacterial; Parasite; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Melimine is a hybrid antimicrobial peptide of Melittin (HY-P0233) and Protamine. Melimine is active against *P. aeruginosa* and *S. aureus*. Melimine has broad spectrum activity against bacteria, fungi and protozoa^{[1][2]}.

REFERENCES

[1]. Willcox MD, et al. A novel cationic-peptide coating for the prevention of microbial colonization on contact lenses. *J Appl Microbiol.* 2008 Dec;105(6):1817-25.

[2]. Chen R, et al. Antimicrobial peptide melimine coating for titanium and its in vivo antibacterial activity in rodent subcutaneous infection models. *Biomaterials.* 2016 Apr;85:142-51.

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

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