

Tilapia piscidin 3

Cat. No.:	HY-P5697
CAS No.:	2026639-29-0
Molecular Formula:	C ₁₂₁ H ₁₈₂ N ₃₆ O ₂₆
Molecular Weight:	2556.97
Sequence:	Phe-Ile-His-His-Ile-Ile-Gly-Gly-Leu-Phe-Ser-Val-Gly-Lys-His-Ile-His-Ser-Leu-Ile-His-Gly-His
Sequence Shortening:	FIHHIIGGLFSVGKHIHSLIHGH
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Tilapia piscidin 3 is an antimicrobial peptide with antibacterial activity against gram-positive and -negative bacteria (MIC: 2.44, 2.44, 9.78, 19.55, 0.61 µg/mL for *V. vulnificus* 204, *V. alginolyticus*, *S. agalactiae* 819, *E. faecalis* BCRC 10066, *S. agalactiae* BCRC 10787). Tilapia piscidin 3 has hemolytic activity in fish red blood cells^[1].

REFERENCES

[1]. Peng KC, et al. Five different piscidins from Nile tilapia, *Oreochromis niloticus*: analysis of their expressions and biological functions. *PLoS One*. 2012;7(11):e50263.

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

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