

Tur1A

Cat. No.:	HY-P5637
Molecular Formula:	C ₁₈₈ H ₃₀₀ N ₆₂ O ₃₄
Molecular Weight:	3972.79
Sequence:	Arg-Arg-Ile-Arg-Phe-Arg-Pro-Pro-Tyr-Leu-Pro-Arg-Pro-Gly-Arg-Arg-Pro-Arg-Phe-Pro-Pr o-Pro-Phe-Pro-Ile-Pro-Arg-Ile-Pro-Arg-Ile-Pro
Sequence Shortening:	RRIRFRPPYLPRPGRRRPRFPPFPPIPRIPRIP
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Tur1A is an antimicrobial peptide derived from bottlenose dolphins Tursiops truncatus. Tur1A inhibits bacterial protein synthesis by binding to ribosomes and blocking the transition from the initiation stage to the extension stage^[1].

REFERENCES

[1]. Mardirossian M, et al. The Dolphin Proline-Rich Antimicrobial Peptide Tur1A Inhibits Protein Synthesis by Targeting the Bacterial Ribosome. Cell Chem Biol. 2018 May 17;25(5):530-539.e7.

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

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