

Adenoregulin

Cat. No.:	HY-P5708
CAS No.:	149260-68-4
Molecular Formula:	C ₁₄₂ H ₂₄₂ N ₄₀ O ₄₂
Molecular Weight:	3181.68
Sequence:	Gly-Leu-Trp-Ser-Lys-Ile-Lys-Glu-Val-Gly-Lys-Glu-Ala-Ala-Lys-Ala-Ala-Ala-Lys-Ala-Ala-Gly-Lys-Ala-Ala-Leu-Gly-Ala-Val-Ser-Glu-Ala-Val
Sequence Shortening:	GLWSKIKEVGKEAAKAAAKAAGKAALGAVSEAV
Target:	Antibiotic; Fungal; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Adenoregulin (Dermaseptin b2) is an antimicrobial peptide antibiotic. Adenoregulin is active against Gram-negative and Gram-positive bacteria, yeast and fungi. Adenoregulin also enhances the binding of agonists to the A1 adenosine receptor ^[1] .
IC ₅₀ & Target	149260-68-4

REFERENCES

- [1]. Mor A, et al. Isolation and structure of novel defensive peptides from frog skin. *Eur J Biochem.* 1994 Jan 15;219(1-2):145-54.
- [2]. Baek HJ, et al. Ligand binding inhibitors of A1 adenosine receptor from *Rana rugosa* are phospholipase A2s. *Eur J Biochem.* 2000 Mar;267(5):1340-6.

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

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