

Polistes mastoparan

Cat. No.:	HY-P2576
CAS No.:	74129-19-4
Molecular Formula:	C ₇₇ H ₁₂₇ N ₂₁ O ₁₈
Molecular Weight:	1634.96
Sequence:	Val-Asp-Trp-Lys-Lys-Ile-Gly-Gln-His-Ile-Leu-Ser-Val-Leu-NH ₂
Sequence Shortening:	VDWKKIGQHILSVL-NH ₂
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Polistes mastoparan is an antimicrobial peptide. Polistes mastoparan increases <i>S. aureus</i> cell K ⁺ efflux and inhibits cell viability with EC ₅₀ of 5 μM ^[1] .
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REFERENCES

[1]. Nakao S, et al. Comparative study of the membrane-permeabilizing activities of mastoparans and related histamine-releasing agents in bacteria, erythrocytes, and mast cells. *Biochim Biophys Acta*. 2011 Jan;1808(1):490-7.

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

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