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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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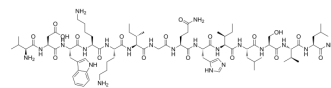
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Polistes mastoparan

Cat. No.: HY-P2576
CAS No.: 74129-19-4
Molecular Formula: C₇₇H₁₂₇N₂₁O₁₈
Molecular Weight: 1634.96
Sequence: Val-Asp-Trp-Lys-Lys-Ile-Gly-Gln-His-Ile-Leu-Ser-Val-Leu-NH₂
Sequence Shortening: VDWKKIGQHILSVL-NH₂
Target: Bacterial
Pathway: Anti-infection
Storage: Sealed storage, away from moisture



Powder -80°C 2 years
 -20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (61.16 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|-----------|-----------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 0.6116 mL | 3.0582 mL | 6.1164 mL |
| | 5 mM | 0.1223 mL | 0.6116 mL | 1.2233 mL |
| | 10 mM | 0.0612 mL | 0.3058 mL | 0.6116 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Polistes mastoparan is an antimicrobial peptide. Polistes mastoparan increases *S. aureus* cell K⁺ efflux and inhibits cell viability with EC₅₀ of 5 μM^[1].

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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