



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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RW3

Cat. No.:	HY-P10281
CAS No.:	359632-11-4
Molecular Formula:	C ₅₁ H ₆₉ N ₁₉ O ₆
Molecular Weight:	1044.22
Sequence:	Arg-Trp-Arg-Trp-Arg-Trp-NH ₂
Sequence Shortening:	RWRWRW-NH ₂
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

RW3 is a small cationic hexapeptide with amphiphilic properties. RW3 targets the plasma membrane of bacteria and works by inhibiting cell respiration and cell wall synthesis. RW3 shows high biological activity against gram-positive bacteria and does not show significant cytotoxic or hemolytic effects in previous studies. RW3 quickly kills 97% of the initial colony forming units (CFU) within 10 minutes at twice the minimum inhibitory concentration (MIC). RW3 can be used in antimicrobial and antifungal studies^[1].

REFERENCES

[1]. Wenzel M, et al. Towards profiles of resistance development and toxicity for the small cationic hexapeptide RWRWRW-NH₂[J]. *Frontiers in Cell and Developmental Biology*, 2016, 4: 86.

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

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