



SZABO SCANDIC

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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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RS17

Cat. No.:	HY-P10420
Molecular Formula:	C ₉₆ H ₁₃₁ N ₃₁ O ₂₅
Molecular Weight:	2119.26
Sequence:	Arg-Arg-Tyr-Lys-Gln-Asp-Gly-Gly-Trp-Ser-His-Trp-Ser-Pro-Trp-Ser-Ser-NH ₂
Sequence Shortening:	RRYKQDGGWSHWSPWSS-NH ₂
Target:	Interleukin Related; CD47
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

RS17 is an anti-tumor peptide designed to bind specifically to the CD47 molecule and block the interaction between CD47 and its ligand, SIRP α , on the surface membrane of macrophages. The main regulatory mechanism of RS17 is to prevent CD47 from transmitting selective phagocytosis signals to SIRP α by binding to CD47, so that macrophages do not recognize tumor cells as their own tissue, but phagocytose them as foreign substances, thereby inhibiting immune escape of tumor cells. RS17 can be used to study the mechanism of anti-tumor response and immune escape^[1].

REFERENCES

[1]. Wang X, et al. An antitumor peptide RS17-targeted CD47, design, synthesis, and antitumor activity[J]. Cancer Medicine, 2021, 10(6): 2125-2136.

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

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