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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

(RXR)4XB

Cat. No.:	HY-P10559
Molecular Formula:	C ₈₁ H ₁₅₉ N ₃₉ O ₁₄
Molecular Weight:	1903.38
Sequence:	Arg-{Ahx}-Arg-Arg-{Ahx}-Arg-Arg-{Ahx}-Arg-Arg-{Ahx}-Arg-{Ahx-βAla}-NH ₂
Sequence Shortening:	R-{Ahx}-RR-{Ahx}-RR-{Ahx}-RR-{Ahx}-R-{Ahx-βAla}-NH ₂
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

(RXR)4XB is a cell-penetrating peptide, that binds the phosphorodiamidate morpholino oligomers (PMOs), forms peptide-conjugated PMOs (PPMOs), and improves the delivery of PMO into bacterial cells. (RXR)4XB-PMO conjugate prevents the formation of biofilms, inhibits *Pseudomonas aeruginosa* with MIC₅₀ of 0.5 to 16 μM, and reduces the bacterial burden in mouse acute pneumonia models^[1].

REFERENCES

[1]. Howard JJ, et al., Inhibition of *Pseudomonas aeruginosa* by Peptide-Conjugated Phosphorodiamidate Morpholino Oligomers. *Antimicrob Agents Chemother*. 2017 Mar 24;61(4):e01938-16.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA