SZABO SCANDIC

Part of Europa Biosite

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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RCP168

Cat. No.:	HY-P10429
Molecular Formula:	$C_{365}H_{585}N_{105}O_{95}S_5$
Molecular Weight:	8124.52
Sequence:	d-(Leu-Gly-Ala-Ser-Trp-His-Arg-Pro-Asp-Lys)-Cys-Cys-Leu-Gly-Tyr-Gln-Lys-Arg-Pro-Leu-Pro-Gln-Val-Leu-Leu-Ser-Ser-Trp-Tyr-Pro-Thr-Ser-Gln-Leu-Cys-Ser-Lys-Pro-Gly-Val-Ile-Phe-Leu-Thr-Lys-Arg-Gly-Arg-Gln-Val-Cys-Ala-Asp-Lys-Ser-Lys-Asp-Trp-Val-Lys-Lys-Leu-Met-Gln-Gln-Leu-Pro-Val-Thr-Ala-Arg (Disulfide bridge: Cys11-Cys35,Cys12-Cys51)
Sequence Shortening:	d-(LGASWHRPDK)-CCLGYQKRPLPQVLLSSWYPTSQLCSKPGVIFLTKRGRQVCADKSKDWVKKLMQQLPVTAR (Disulfide bridge: Cys11-Cys35,Cys12-Cys51)
Target:	CXCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	RCP168 is a highly selective and affinity CXCR4 receptor antagonist (IC_{50}=5 nM). RCP168 has a stronger ability than natural chemical factors to inhibit the entry of HIV-1 (human immunodeficiency virus type 1) into host cells via CXCR4 receptors. RCP168 inhibits HIV-1 infection by blocking viral binding sites or inducing receptor internalization. RCP168 can be used to analyze the interaction between CXCR4 receptor and other chemical factor receptors[1].
IC_{50} & Target	CXCR4 5 nM (IC_{50})

REFERENCES

[1]. Liu D, et al. Crystal structure and structural mechanism of a novel anti-human immunodeficiency virus and D-amino acid-containing chemokine[J]. Journal of virology, 2007, 81(20): 11489-11498.

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