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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Tat-AKAP79 (326-336)

Cat. No.:	HY-P10464
Molecular Formula:	C ₁₁₇ H ₂₁₁ N ₄₉ O ₃₄ S
Molecular Weight:	2880.3
Sequence:	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Lys-Ser-Lys-Ser-Glu-Glu-Ser-Lys-Arg-Met-Glu
Sequence Shortening:	YGRKKRRQRRRKSKSEESKRME
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

TAT-AKAP79 326-336 is a cytosolic peptide. TAT-AKAP79 326-336 mimics a specific region on the AKAP79 protein that binds to TRPV1 ion channels (amino acid sequence 326-336). TAT-AKAP79 326-336 inhibits the sensitization of TRPV1 and reduce the overresponse of TRPV1 channels to stimuli caused by the activation of cellular kinases such as protein kinase A (PKA) and protein kinase C (PKC) by inflammatory mediators. TAT-AKAP79 326-336 can be used to study the mechanism of pain transduction and inflammatory hyperalgesia^[1].

REFERENCES

[1]. Btsh J, et al. Mapping the binding site of TRPV1 on AKAP79: implications for inflammatory hyperalgesia[J]. Journal of Neuroscience, 2013, 33(21): 9184-9193.

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

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