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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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TAT-CBD3A6K

| | |
|-----------------------------|---|
| Cat. No.: | HY-P10358 |
| CAS No.: | 1505463-57-9 |
| Molecular Formula: | C ₁₃₇ H ₂₅₀ N ₆₀ O ₃₂ |
| Molecular Weight: | 3249.83 |
| Sequence: | Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Ala-Arg-Ser-Arg-Leu-Lys-Glu-Leu-Arg-Gly-Val-Pro-Arg-Gly-Leu |
| Sequence Shortening: | YGRKKRRQRRRARSRLKELRGVPRGL |
| Target: | Calcium 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-CBD3A6K, is a modified TAT-CBD3 peptide. TAT-CBD3A6K reduces T- and R-type voltage-dependent calcium currents in dorsal root ganglion (DRG) neurons. TAT-CBD3A6K shows anti-nociceptive effects in a model of AIDS-induced peripheral neuropathy by preventing CRMP-2-mediated enhancement of T- and R-type calcium channel function^{[1][2]}.

REFERENCES

[1]. Piekarz AD, et al. CRMP-2 peptide mediated decrease of high and low voltage-activated calcium channels, attenuation of nociceptor excitability, and anti-nociception in a model of AIDS therapy-induced painful peripheral neuropathy. *Mol Pain*. 2012 Jul 24;8:54.

[2]. Meloni BP, et al. Neuroprotective peptides fused to arginine-rich cell penetrating peptides: Neuroprotective mechanism likely mediated by peptide endocytic properties. *Pharmacol Ther*. 2015 Sep;153:36-54.

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

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