



# SZABO SCANDIC

Part of Europa Biosite

## 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## TAT-CBD3

Cat. No.:	HY-P10357
CAS No.:	1355359-36-2
Molecular Formula:	C <sub>134</sub> H <sub>243</sub> N <sub>59</sub> O <sub>32</sub>
Molecular Weight:	3192.74
Sequence:	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Ala-Arg-Ser-Arg-Leu-Ala-Glu-Leu-Arg-Gly-Val-Pro-Arg-Gly-Leu
Sequence Shortening:	YGRKKRRQRRRARSRLAELRGVPRGL
Target:	HIV; iGluR
Pathway:	Anti-infection; Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	TAT-CBD3, a 15-amino acid peptide from CRMP2, fused to the TAT cell-penetrating motif of the HIV-1 protein, disrupts CRMP2-NMDAR interaction without change in NMDAR localization <sup>[1]</sup> .
In Vitro	TAT-CBD3 (10 μM) inhibits NMDAR and attenuates glutamate-induced Ca <sup>2+</sup> dysregulation <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Tatiana Brustovetsky, et al. Collapsin response mediator protein 2 (CRMP2) interacts with N-methyl-D-aspartate (NMDA) receptor and Na<sup>+</sup>/Ca<sup>2+</sup> exchanger and regulates their functional activity. J Biol Chem. 2014 Mar 14;289(11):7470-82.

**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