SZABO SCANDIC

Part of Europa Biosite

# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## 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

# PRODUCT INFORMATION

## Tat-CBD3$^{A6K}$ (trifluoroacetate salt)

*Item No. 37449*

**Formal Name:** L-tyrosylglycyl-L-arginyl-L-lysyl-L-lysyl-L-arginyl-L-arginyl-L-glutaminyl-L-arginyl-L-arginyl-L-arginyl-L-alanyl-L-arginyl-L-seryl-L-arginyl-L-leucyl-L-lysyl-L-α-glutamyl-L-leucyl-L-arginylglycyl-L-valyl-L-prolyl-L-arginylglycyl-L-leucine, trifluoroacetate salt

**Peptide Sequence:** YGRKKRRQRRRARSRLKELRGVPRGL-OH

H—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—OH
• $XCF_3COOH$

**MF:** $C_{137}H_{250}N_{60}O_{32}$ • $XCF_3COOH$

**FW:** 3,249.8

**Purity:** ≥95%

**Supplied as:** A solid

**Storage:** -20°C

**Stability:** ≥4 years

*Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.*

### Laboratory Procedures

Tat-CBD3$^{A6K}$ (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the Tat-CBD3$^{A6K}$ (trifluoroacetate salt) in water. We do not recommend storing the aqueous solution for more than one day.

### Description

Tat-CBD3$^{A6K}$ is a peptide and derivative of the N-type voltage-gated calcium channel $Ca_V2.2$ and collapsin response mediator protein 2 (CRMP2) protein-protein interaction inhibitor Tat-CBD3 (Item No. 37448).[1,2] Tat-CBD3$^{A6K}$ (10 mg/kg) prevents decreases in the paw withdrawal threshold in a rat model of antiretroviral neuropathic pain induced by d4T (stavudine; Item No. 14975) and decreases the number of action potentials from dorsal root ganglia (DRG) neurons isolated from the same rats.[1] Dural administration of Tat-CBD3$^{A6K}$ (30 µM/animal) decreases meningeal blood flow induced by the terpene alkaloid capsaicin (Item Nos. 92350 | 10010743) in rats.[2]

### References


1. Piekarz, A.D., Rue, M.R., Khanna, M., *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.* **8**, 54 (2012).
2. Wilson, S.M., Brittain, J.M., Piekarz, A.D., *et al.* Further insights into the antinociceptive potential of a peptide disrupting the N-type calcium channel-CRMP-2 signaling complex. *Channels (Austin)* **5(5)**, 449-456 (2011).





**CAYMAN CHEMICAL**
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
**PHONE:** [800] 364-9897
[734] 971-3335
**FAX:** [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM