

## Myr-TAT-CBD3

Cat. No.:	HY-P5874
Molecular Formula:	C <sub>148</sub> H <sub>269</sub> N <sub>59</sub> O <sub>33</sub>
Molecular Weight:	3403.09
Sequence:	{Myr}-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:	{Myr}-YGRKKRRQRRRARSRLAELRGVPRGL
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	Myr-TAT-CBD3 is CRMP2-CaV2.2 interaction inhibitor. Myr-tat-CBD3 can significantly attenuate carrageenan-induced thermal hypersensitivity and reverse thermal hypersensitivity induced in a rat model of postoperative pain. Myr-TAT-CBD3 can be used to study inflammation and postoperative pain <sup>[1]</sup> .
IC <sub>50</sub> & Target	CRMP2-CaV2.2 <sup>[1]</sup> .

### REFERENCES

[1]. François-Moutal L, et al. A membrane-delimited N-myristoylated CRMP2 peptide aptamer inhibits CaV2.2 trafficking and reverses inflammatory and postoperative pain behaviors. *Pain*. 2015 Jul;156(7):1247-1264.

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

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