ω-Conotoxin MVIIC TFA

Cat. No.:	HY-P0188A
Molecular Formula:	$C_{106}H_{178}N_{40}O_{32}S_7.C_2HF_3O_2$
Molecular Weight:	2863.27
Sequence:	Cys-Lys-Gly-Lys-Gly-Ala-Pro-Cys-Arg-Lys-Thr-Met-Tyr-Asp-Cys-Cys-Ser-Gly-Ser-Cys-Gly-Arg-Arg-Gly-Lys-Cys-NH2 (Disulfide bridge: Cys1-Cys16; Cys8-Cys20; Cys15-Cys26)
Sequence Shortening:	CKGKGAPCRKTMYDCCSGSCGRRGKC-NH2 (Disulfide bridge: Cys1-Cys16; Cys8-Cys20; Cys15-Cys26)
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

BIOLOGICAL ACTIVITY

Description	ω-Conotoxin MVIIC TFA is a N- and P/Q-type Ca^{2+} channel blocker, significantly suppresses the 11-keto-βboswellic acid-mediated inhibition of glutamate release[1].

REFERENCES

[1]. Cheng Wei Lu, et al. 11-Keto-β-Boswellic Acid Attenuates Glutamate Release and Kainic Acid-Induced Excitotoxicity in the Rat Hippocampus. Planta Med. 2020 Apr;86(6):434-441.

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