

Azemiopsin

Cat. No.:	HY-P5823
CAS No.:	1391936-86-9
Molecular Formula:	C ₁₁₈ H ₁₇₄ N ₃₈ O ₂₆
Molecular Weight:	2540.88
Sequence:	Asp-Asn-Trp-Trp-Pro-Lys-Pro-Pro-His-Gln-Gly-Pro-Arg-Pro-Pro-Arg-Pro-Arg-Pro-Lys-Pro
Sequence Shortening:	DNWWPKPPHQGPRPPRPRPKP
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Azemiopsin is a potent nicotinic acetylcholine receptor (nAChR) inhibitor with IC ₅₀ s of 0.18 μM and 22 μM against T. californica nAChR and human α7 nAChR, respectively. Azemiopsin blocks acetylcholine-induced currents in Xenopus oocytes heterologously expressing human muscle-type nAChR ^[1] .
IC ₅₀ & Target	IC50: 0.18 μM (T. californica nAChR), 22 μM (Human α7 nAChR), 63 μM (L. stagnalis AChBP), 230 μM (A. californica AChBP) ^[1]

REFERENCES

[1]. Utkin YN, et al. Azemiopsin from Azemiops feae viper venom, a novel polypeptide ligand of nicotinic acetylcholine receptor. J Biol Chem. 2012 Aug 3;287(32):27079-86.

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