

Aam-KTX

Cat. No.:	HY-P5853
Molecular Formula:	C ₁₇₄ H ₂₈₈ N ₅₈ O ₄₈ S ₇
Molecular Weight:	4184.96
Sequence:	Gly-Val-Glu-Ile-Asn-Val-Lys-Cys-Thr-Gly-Ser-His-Gln-Cys-Ile-Lys-Pro-Cys-Lys-Asp-Ala-Gly-Met-Arg-Phe-Gly-Lys-Cys-Ile-Asn-Arg-Lys-Cys-His-Cys-Thr-Pro-Lys-NH ₂ (Disulfide bridge:Cys8-Cys28;Cys14-Cys33;Cys18-Cys35)
Sequence Shortening:	GVEINVKCTGSHQCIPCKDAGMRFGKGINRKCHCTPK-NH ₂ (Disulfide bridge:Cys8-Cys28;Cys14-Cys33;Cys18-Cys35)
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Aam-KTX is a K _v channel inhibitor with IC ₅₀ values of 1.1 nM and >750 nM for K _v 1.3 and K _v 1.1, respectively. Aam-KTX is a toxic peptide obtained from the venom of the scorpion <i>Mesobuthus eupeus</i> . Aam-KTX has potential in autoimmune diseases research ^[1] .
IC₅₀ & Target	IC ₅₀ : 1.1 nM (Kv1.3), >750 nM (Kv1.1) ^[1] .

REFERENCES

[1]. Zhu S, et al. Molecular diversity and functional evolution of scorpion potassium channel toxins. *Mol Cell Proteomics*. 2011 Feb;10(2):M110.002832.

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

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