

Heteropodatoxin-2

Cat. No.:	HY-P5785
CAS No.:	741730-12-1
Molecular Formula:	C ₁₄₄ H ₂₀₇ N ₃₉ O ₄₆ S ₆
Molecular Weight:	3412.81
Sequence:	Asp-Asp-Cys-Gly-Lys-Leu-Phe-Ser-Gly-Cys-Asp-Thr-Asn-Ala-Asp-Cys-Cys-Glu-Gly-Tyr-V al-Cys-Arg-Leu-Trp-Cys-Lys-Leu-Asp-Trp-NH2 (Disulfide bridge:Cys3-Cys17;Cys10-Cys 22;Cys16-Cys26)
Sequence Shortening:	DDCGKLFSGCDTNADCCEGYVCRLWCKLDW-NH2 (Disulfide bridge:Cys3-Cys17;Cys10-Cy s22;Cys16-Cys26)
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

Heteropodatoxin-2, a peptides of 30-amino acid, is a heteropodatoxin. Heteropodatoxin-2 blocks Kv4.2 current expressed in *Xenopus laevis* oocytes in a voltage-dependent manner, with less block at more positive potentials^[1].

REFERENCES

[1]. M C Sanguinetti, et al. Heteropodatoxins: peptides isolated from spider venom that block Kv4.2 potassium channels. *Mol Pharmacol.* 1997 Mar;51(3):491-8.

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

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