

Slotoxin

Cat. No.:	HY-P3111
Molecular Formula:	$C_{177}H_{275}N_{47}O_{50}S_7$
Molecular Weight:	4085.82
Sequence:	Thr-Phe-Ile-Asp-Val-Asp-Cys-Thr-Val-Ser-Lys-Glu-Cys-Trp-Ala-Pro-Cys-Lys-Ala-Ala-Phe-Gly-Val-Asp-Arg-Gly-Lys-Cys-Met-Gly-Lys-Lys-Cys-Lys-Cys-Tyr-Val (Disulfide bridge: Cys7-Cys28; Cys13-Cys33; Cys17-Cys35)
Sequence Shortening:	TFIDVDCTVSKECWAPCKAAFGVDRGKCMGKKCKCYV (Disulfide bridge: Cys7-Cys28; Cys13-Cys33; Cys17-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	Slotoxin, a peptide from Centruroides noxius Hoffmann scorpion venom, blocks high conductance calcium-activated potassium channel, with K_d of 1.5 nM ^[1] .
IC ₅₀ & Target	others

REFERENCES

[1]. Garcia-Valdes J, et al. Slotoxin, α KTx1.11, a new scorpion peptide blocker of MaxiK channels that differentiates between α and $\alpha+\beta$ (β 1 or β 4) complexes. FEBS Lett. 505 (3): 369–73.

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

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