

Charybdotoxin

Cat. No.:	HY-P0191
CAS No.:	95751-30-7
Molecular Formula:	C ₁₇₆ H ₂₇₇ N ₅₇ O ₅₅ S ₇
Molecular Weight:	4295.89
Sequence:	{Glp}-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-Cys-Tyr-Ser (Disulfide bridge: Cys7-Cys28; Cys13-Cys33; Cys17-Cys35)
Sequence Shortening:	{Glp}-FTNVSCCTSKECWSVCQRLHNTSRGKCMNKKCRCYS (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 COA.

BIOLOGICAL ACTIVITY

Description	Charybdotoxin, a 37-amino acid peptide isolated from venom of the scorpion <i>Leiurus quinquestriatus</i> var. <i>hebraeus</i> , is a K ⁺ channel blocker ^[1] .
In Vitro	Charybdotoxin represents a remarkable tool for studying K ⁺ channels ^[1] .

REFERENCES

[1]. M L Garcia , et al. Charybdotoxin and its effects on potassium channels. *Am J Physiol.* 1995 Jul;269(1 Pt 1):C1-10.

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

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