

## Charybdotoxin TFA

Cat. No.:	HY-P0191A
Molecular Formula:	C <sub>176</sub> H <sub>277</sub> N <sub>57</sub> O <sub>55</sub> S <sub>7</sub> C <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
Molecular Weight:	4409.91
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}-FTNVSCTTSKECWSVCQRLHNTSRGKCMNKKCRCYS (Disulfide bridge: Cys7-Cys28; Cys13-Cys33; Cys17-Cys35)
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Sealed storage, away from moisture and light Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### BIOLOGICAL ACTIVITY

Description	Charybdotoxin TFA, a 37-amino acid peptide, is a K <sup>+</sup> channel blocker <sup>[1]</sup> .
In Vitro	Charybdotoxin represents a remarkable tool for studying K <sup>+</sup> channels <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### 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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