Charybdotoxin, (recombinant)

K^+ channel blocker

Charybdotoxin was originally isolated from the venom of the Israeli scorpion *Leiurus quinquestriatus hebraeus*. Charybdotoxin blocks $K_{Ca}1.1$ (large conductance Ca^{2+} activated K^+, Slo) channels in nanomolar concentrations as as well as $K_v1.2$ (K_d, 14 nM) and $K_v1.3$ (K_d, 2.6 nM) channels.). However, experiments with cloned $K_{Ca}1.1$ channels demonstrate the strong effect of the slob subunits on the potency of block by Charybdotoxin. This product is a recombinant peptide expressed in and extracted from *E. coli*.

Ordering Information

Order Online »

BML-KC168-0100	100µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Lyophilized solid.
CAS	95751-30-7
MW	4313
Purity	≥98%
Sequence	Gln-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
Solubility	Soluble in Water.

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