

Product Name : Charybdotoxin
Cat. No. : PC-60655
CAS No. : 95751-30-7
Molecular Formula : C₁₇₆H₂₇₇N₅₇O₅₅S₇
Molecular Weight : 4295.89
Target : Potassium Channel
Solubility : H₂O: 1.0 mg/ml

XFTNVSCCTTSKECWSVCQRLHNTSRGKCMNKKRCYS
(Modifications: X-1 = Glp, Disulfide bridge between 7 - 28, 13 - 33, 17 - 35, 8

Biological Activity

Charybdotoxin (ChTX) selective, potent peptidyl blocker of the big conductance Ca²⁺-activated K⁺ channel (**BKCa**, KCa1.1, MaxiK).

Charybdotoxin produces a concentration-dependent increase in contractility at 10-100 nM in guinea pig smooth muscle tissues.

References

Suarez-Kurtz G, et al. *J Pharmacol Exp Ther*. 1991 Oct;259(1):439-43.

Smith C, et al. *J Biol Chem*. 1986 Nov 5;261(31):14607-13.

Miller C, et al. *Nature*. 1985 Jan 24-30;313(6000):316-8.

Chang CC, et al. *Br J Pharmacol*. 1983 Jul;79(3):673-80.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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