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(54) Title: NOVEL ANTICOAGULANT POLYPEPTIDES AND COMPLEX

Hemextin A

Hemextin B

Cytotoxin 1

Cytotoxin 2

Fasciculin

Mambin

Calciseptine

Cardiotoxin

Cobrotoxin

Muscarinic toxin

LRCKNKLVPFLSKT...PEEGKN...LYKMT.LKKVTPKIKRG
LRCKNKVVPFL.KT...CKNKVVPFLYKMT.LKKVTPKIKRG
LKCHNKLVPFLSKT...PEEGKNL...CYKMTMLKMPKIPKRG
LKCHNKVVPFLSKT...PEEGKNL...CYKMTLKKVPKIPKRG
THCYSHTTTSRAILPPOGENS...CYRKSRRHPPKMVLGRG
HICYNPLGTPPTTETCTDS...CYKIWPSH...IRRG
RICYHKASLPRAKT.OVENT...CYKMFIRTPRPYISERG
LKC.NKLLPHAKT...PTCKNL...CYKMAMSSFL..PVKRG
HECHNQSSQSPTTPSOSGETN...CYKKPWPDRGHHHERG
LTCVPQKSIFGLTTESCPDQNL...CFKHAYLS...PHHTHG

(57) Abstract: This invention is in the field of snake venom and the invention provides two novel snake polypeptides and nucleic acids encoding the same. Also provided are various uses methods and compositions based on the discovery of the novel snake polypeptides and their ability to synergistically inhibit coagulation.

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