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Cobra Cytotoxins: Structure, Evolution, Biological Activities, Underlying Molecular Mechanism, and Derived Bioactive Analogues

Guest Editor:

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Message from the Guest Editor

Cobra cytotoxins (cardiotoxins) are representatives of the three-finger proteins, which constitute a substantial part of cobra and coral snake venom. They have a long history of investigation, with nearly half a century having elapsed since they were first isolated and the amino acid composition of the first representatives was determined. The views on the evolution and spatial structure of these molecules, their biological activity, and underlying mechanisms are scattered over this long period. This Special Issue is devoted to concentrating all these data and examining them with modern eyes, removing possible controversies. Moreover, newly emerging topics, including pharmacological applications of these molecules and derived analogues, are welcome.

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Message from the Editor-in-Chief

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