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Biologically Active Peptides Derived from Peptide Hormones as Potential Drugs

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Message from the Guest Editor

Currently, biologically active peptides derived from natural peptide hormones are considered potential drugs of a new class. Such qualities of peptides as a quick reaction of the body to their introduction, almost complete absence of toxicity, as well as the fact that the products of peptide degradation are amino acids, are increasingly attracting the attention of pharmacologists and clinicians around the world. Unfortunately, the polyfunctionality of peptide hormones is a limiting factor in their use as drugs. Therefore, the main task in the design of new drugs based on natural peptide hormones is the synthesis of selectively acting analogs with a narrow spectrum of action that is resistant to enzymatic degradation. This requires a detailed description of the properties and mechanism of action of peptides as potential candidates for this role.



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