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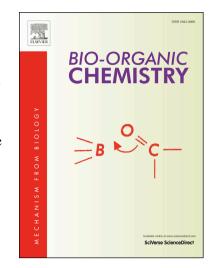
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Amino acids/Peptides Conjugated Heterocycles: A Tool for the Recent

Development of Novel Therapeutic Agents

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Abstract

Amino acids/peptide conjugated heterocycles represent an important class of

therapeutical agents. Biologically active heterocycles are conjugated with amino acids or

peptides to increase the drug resistance. Furthermore, the amino acid/peptide based drugs

have low toxicity, ample bioavailability and permeability, modest potency and good

metabolic and pharmacokinetic properties. Synthetic amino acid/peptides based heterocyclic

conjugates constitute a promising choice for the development of new, less toxic and safer

conventional pharmaceutical drugs in the near future. In this review, we discuss and highlight

the recent findings of the structural features that encourage biological applications of amino

acid/peptides based conjugates.

Keywords: Amino acids, Peptides, Conjugation, Heterocycles, Biological activities, SAR

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