

Special Issue

New Progress in Peptidic Protease Inhibitors

Message from the Guest Editors

Peptide-based inhibitors represent a promising class of therapeutic agents characterized by high specificity and favorable safety profiles. These compounds are designed to target key proteases involved in several pathological processes. Proteases are also essential for cells because they are involved in various physiological processes, such as protein turnover, digestion, cell signaling, apoptosis, and immune response. They are classified based on their catalytic mechanism into serine, cysteine, aspartic, threonine, or metallo-proteases. They could be used in several fields, such as for the treatment of cancer, inflammation, metabolic and neurological disorders, and infectious diseases. In this Special Issue, we aim to provide evidence for the identification and development of novel peptides as protease inhibitors with a promising therapeutic potential.

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