



Enzyme Inhibitors and Activators in Cancer Research, Therapy and Prevention

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Message from the Guest Editor

Modulating enzyme activity is a proven strategy in drug discovery, as shown by the small-molecule armament of marketed drugs that is directed against enzymes. Rationales for targeting enzymes are typically based on their pivotal roles in disease states, and the possibility of designing chemical entities capable of docking sensitive ligand-binding sites. Experimental platforms may include the development of different types of inhibitors, as well as suicide inactivators, allosteric inducers and modulators, and antimetabolites, thereby suggesting a wide array of research avenues. This area of research can take advantage of, and be expedited by, major advances in target identification and validation, production of natural product and chemical libraries, nutraceutical research, cell-free and cell-based assay methods, high-throughput screening technologies, hyphenated techniques, as well as cheminformatics and bioinformatics resources.

For this Special Issue, we will consider original articles and reviews that concerning the identification of chemicals that, by impacting enzyme activities, can be proved to be biologically or pharmacologically relevant to Cancer Research.





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Message from the Editor-in-Chief

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