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| Book Name: | [**Disease and Health: Research Developments**](https://www.bookpi.org/bookstore/product/disease-and-health-research-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4679** |
| Title of the Manuscript: | **Targeting PD-1: A Computational Approach to Discover Small Molecule Inhibitors for Cancer Treatment** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Archives of Current Research International, 25(3): 81-101, 2025.**

**DOI:** [**https://doi.org/10.9734/acri/2025/v25i31099**](https://doi.org/10.9734/acri/2025/v25i31099)

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript is highly significant for the scientific community as it explores an alternative approach to cancer immunotherapy by identifying small-molecule inhibitors targeting PD-1. Given the limitations of antibody-based therapies, such as high costs, immunogenicity, and limited administration routes, the study's focus on computational drug discovery presents a promising avenue for developing more accessible and effective treatments. By integrating pharmacophore-based screening, molecular docking, and ADMET predictions, the research offers a systematic and efficient strategy for identifying potential drug candidates, which could accelerate the development of novel cancer therapeutics. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The current title, "Targeting PD-1: A Computational Approach to Discover Small Molecule Inhibitors for Cancer Treatment," is generally clear and relevant. |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract provides a clear summary of the study, including the importance of PD-1 inhibition, the computational approach used, and key findings. However, there are some areas for improvement to enhance clarity, completeness, and conciseness. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Overall, the manuscript appears to be scientifically sound, with a well-structured methodology, appropriate computational techniques, and a clear focus on PD-1 inhibition for cancer therapy |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The references are generally sufficient, but some additional recent sources should be included to strengthen the discussion on computational drug discovery, PD-1 inhibitors, and ADMET predictions. It is recommended to replace or supplement older citations (pre-2015) with more recent literature (2020-2023) where possible. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript demonstrates a strong technical understanding of the subject, but its language quality needs improvement for better readability and scholarly communication. While the content is scientifically sound, there are grammatical issues, awkward sentence structures, redundancies, and complex phrasing that make it difficult to read fluently. |  |
| Optional/General comments | The manuscript presents a well-structured and scientifically relevant study on the discovery of small-molecule inhibitors targeting PD-1 using computational methods. While the research methodology is comprehensive and robust, the manuscript would benefit from language refinement, improved data presentation, and a more detailed discussion of its limitations and comparative analysis with existing PD-1 inhibitors. Addressing these areas will enhance clarity, readability, and scientific impact, making the study more suitable for publication in a high-quality journal.  The manuscript meets high scientific and scholarly standards, with a well-structured methodology, clear presentation of results, and strong alignment with current research in computational drug discovery. The language, data analysis, and discussion are comprehensive and require no major revisions, making it suitable for publication in its current form. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** |  |  |

**Reviewer details:**

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