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| Book Name: | [**Chemistry and Biochemistry: Research Progress**](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5626** |
| Title of the Manuscript:  | **Prospects for the application of tryptanthrin and mostotrin alkaloids in therapy and control of interspecies interactions in various symbiotic systems: A Review** |
| Type of the Article | **Book Chapter** |

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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 work is important because it brings together recent research and could help scientists develop new treatments and understand complex biological interactions better.
* It highlights their ability to fight cancer, infections, and inflammation.
* This manuscript reviews two important compounds, tryptanthrin (TR) and its water-soluble version, mostotrin (MT), which have strong potential for medical use.
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| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes** |  |
| 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. | * Avoid Repetition
* Add Specific Applications (Mentioning specific diseases or therapeutic areas (e.g., types of cancer, bacterial infections)
 |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yes, the manuscript is generally scientifically correct. It presents an extensive and up-to-date review of the biological activities, molecular mechanisms, and therapeutic potential of tryptanthrin (TR) and its analogue mostotrin (MT).  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | Yes(Note: The authors have utilized numbered bullet points and numbered references within the manuscript, resulting in the repetition of numbering for references.) |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The manuscript is scientifically sound and well-structured.** |  |
| Optional/General comments | **Suggestions:** Authors are advised to include the chemical structures of tryptanthrin and mostotrin alkaloids within the manuscript. Additionally, it is recommended to incorporate a conclusion section to summarize the key findings and implications of the study. |  |

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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:**

**Priteshkumar R. Patel, Sat Kaival College of Pharmacy, India**