

Review Form 3

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| Journal Name: | South Asian Research Journal of Natural Products |
| Manuscript Number: | Ms_SARJNP_127070 |
| Title of the Manuscript: | ASSESSMENT OF ANALGESIC POTENTIAL OF DIBENZYLIDENE DERIVATIVES OF CYCLOPENTANONE |
| Type of the Article | Research |

PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part. | This manuscript is important for the scientific community as it explores novel analgesic agents, specifically Dibenzylidene derivatives of cyclopentanone, which may offer new options for pain management. The findings on compounds D6, D7, D8, and D10 demonstrate promising analgesic effects, making these derivatives potential candidates for further drug development. | |
| 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. | The abstract provides a clear overview of the study's aim, methodology, and key findings. However, it could benefit from a few improvements. <ol style="list-style-type: none">Clarify the compounds: The list of derivatives (D6-D10) is mentioned without explaining their structures or distinguishing features. Including a brief description of the compounds' chemical nature or structure would help contextualize the research.Statistical significance: While the statistical results are mentioned, it could be beneficial to summarize the overall significance of the findings more clearly, such as stating which compound(s) showed the most promising results overall.Methodology refinement: The description of the models (hot plate and tail flick) and timing of measurements is concise but could benefit from specifying the number of animals per group to strengthen the methodological transparency. | |
| Are subsections and structure of the manuscript appropriate? | Yes | |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | This manuscript appears scientifically robust and technically sound due to its well-established experimental approach in evaluating the analgesic potential of cyclopentanone derivatives. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | Yes | |

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| Minor REVISION comments | | |
| Is the language/English quality of the article suitable for scholarly communications? | Yes suitable | |
| <u>Optional/General</u> comments | | |

PART 2:

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| | Reviewer's comment | Author's comment (if agreed with 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? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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|----------------------------------|---|
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