

Review Form 3

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	

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>
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 provides valuable insights into the analgesic potential of novel cyclopentanone derivatives, specifically exploring their efficacy in pain management. The identification of compounds like D6, D7, and D10 as showing significant analgesic activity is promising, suggesting these derivatives could be future candidates for pain therapy. The study is methodologically sound, utilizing well-established pain models (hot plate and tail flick) to assess the compounds' effects, which enhances its credibility and relevance to the scientific community. The results highlight a potentially new class of analgesic agents, which could address the ongoing search for alternatives to traditional painkillers like opioids. The clear evidence of varying effects at different dosages and time points further supports the need for deeper exploration into the pharmacological properties of these derivatives. Overall, the manuscript contributes to the growing body of research into alternative analgesics and opens avenues for further studies that may lead to more effective, less addictive pain treatments.	
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.	Yes	
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.	The manuscript demonstrates scientific rigor through its well-designed experimental methodology, which includes the use of two established pain models—the hot plate and tail flick tests—commonly employed to assess analgesic activity. The dosages and time points are carefully chosen, allowing for a thorough evaluation of the compounds' effects at multiple intervals, which enhances the reliability and robustness of the data. Statistical significance (p-values) is reported for each compound, providing clear evidence that the observed analgesic effects are unlikely to be due to chance, further supporting the study's scientific validity. Additionally, the use of both control and standard treatment (Tramadol) groups strengthens the study's design, providing a relevant comparison to known analgesic agents. These methodological details, combined with the systematic assessment of multiple derivatives, suggest that the study is technically sound and contributes meaningful data to the field of pain research.	
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	
Optional/General comments	Overall, this manuscript provides valuable preliminary data on the analgesic potential of cyclopentanone derivatives, offering promising insights for the development of new pain management therapies, though further exploration of their mechanisms of action and broader pharmacological profiles is warranted.	

PART 2:

	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>	

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