

Review Form 3

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_128986
Title of the Manuscript:	Potential use of Terminalia superba Engler & Diels (Combretaceae) against cerebral malaria
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer's comment	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 highlights the potential of Terminalia superba as a complementary therapeutic for cerebral malaria, demonstrating its neuroprotective, anti-inflammatory, and antioxidant properties. By addressing oxidative stress and cytokine overproduction, it offers promising insights into mitigating cognitive deficits and neuronal damage, contributing to the development of plant-based treatments for severe malarial complications.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title, "Potential use of Terminalia superba Engler & Diels (Combretaceae) against cerebral malaria," is clear and relevant, but it could be made more engaging and reflective of the study's focus. Here's a refined suggestion: "Neuroprotective and Anti-inflammatory Effects of Terminalia superba: A Potential Therapeutic Approach for Cerebral Malaria" This title emphasizes the specific findings neuroprotection and anti-inflammatory properties—while aligning with the study's goal of exploring Terminalia superba as a therapeutic agent for cerebral malaria. It also highlights the scientific significance and applications of the research.	
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 good overview of the study but could benefit from some refinement. It would be helpful to explicitly state the study's objective, emphasizing the rationale for choosing Terminalia superba in the context of cerebral malaria. Adding a brief mention of the experimental model used (SH-SY5Y neurons) and highlighting the specific methods used to assess anti-inflammatory and antioxidant activities would improve clarity. The abstract should also be more concise by summarizing the key findings, such as the neuroprotective effects and reduction in oxidative stress and cytokine production, without getting into excessive technical details like IC50 values. Finally, a concluding sentence that ties the findings to potential future directions or the broader significance for cerebral malaria treatment would strengthen the impact of the abstract.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically correct, presenting a well-designed study to evaluate the potential of Terminalia superba in managing cerebral malaria. The experimental approach, including cytotoxicity, neuroprotection, and anti-inflammatory assessments, is appropriate and aligns with standard methodologies. The results showing neuroprotective and anti-inflammatory properties are relevant to cerebral malaria, a serious complication of Plasmodium falciparum infection. However, the manuscript could benefit from further clarification on the mechanisms through which the extract exerts these effects. Additionally, a more detailed description of statistical methods and significance thresholds would strengthen the data presentation. The discussion could also include limitations of the study and the challenges in translating these results to clinical applications.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references in the manuscript are generally sufficient and relevant to the topic, covering key studies on cerebral malaria and the properties of Terminalia superba. However, some references, particularly those from 2017 and earlier, could be updated with more recent research to reflect the latest developments in both the field of malaria research and natural plant-based treatments. It may also be beneficial to include more studies that specifically focus on the neuroprotective effects of plants or antioxidants in the context of cerebral malaria. Adding recent meta-analyses or reviews could help to provide a broader perspective on the effectiveness of alternative therapies.	

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Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article is generally clear, but there are several areas where revisions are needed to improve readability and clarity. I recommend addressing some grammatical errors and rephrasing certain sentences to ensure that the manuscript is more polished and suitable for scholarly communication. In particular, I suggest simplifying complex sentences, improving transitions between sections, and ensuring consistency in terminology throughout the paper. These revisions will help the manuscript meet the standards required for publication in a scientific journal.	
Optional/General comments	I recommend reviewing the manuscript for clarity and flow, particularly in the methodology and results sections, to enhance overall coherence. Additionally, please ensure consistency in terminology and citation style throughout the paper. These changes will strengthen the manuscript and improve its readiness for publication.	

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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