

# Review of: "Targeting Alzheimer's disease hallmarks with the Nrf2 activator Isoeugenol"

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Potential competing interests: No potential competing interests to declare.

***There are several comments that should be addressed during the revision of this paper. Please review the following comments and amend the manuscript accordingly:***

1. Improve the English language of the manuscript. Use active language and shorter sentences when discussing results and comparing them with available literature.
2. Provide a graphical abstract to summarize the achievements of this paper.
3. The introduction is too long. Summarize the content provided.
4. Provide a flowchart to summarize the Materials and Methods (M&M) section.
5. Supplement the original figures of all gel bands discussed within the bar plots in each figure.
6. The manuscript text includes an excessive number of figures. Merge some figures and limit the total number to 7 within the text. Less important figures can be included in indexed files.
7. In some parts, the manuscript text is confusing. Rephrase sections related to experimental findings described in the given graphs.
8. Use colorful arrows to indicate changes that occurred in histopathological figures represented in Figure 11.
9. The discussion section is too long. Summarize it to only one or two pages. Be concise and compare experimental results with relevant studies. Avoid summarizing all available papers in the literature.
10. Ensure that problematic papers and retracted records are not cited within your reference list.
11. Highlight the novelty of this study and how these findings can contribute to further high-quality studies. Also, address the weaknesses of the study at the end of the discussion section.
12. Clearly state authors' contributions and funding support at the end of your paper. Add these sections.
13. The abstract requires further amendments. Delete all general text narrated at the beginning of your abstract.
14. The manuscript text is lengthy and confusing. Redraft the paper to ensure that academic readers can grasp the main idea of your work.

After addressing the above comments, I can review the scientific content of this paper. Otherwise, it will take a long time to complete the reading, ***and in its present form, it is not suitable for publishing***. Respected authors should carefully revise the entire manuscript, standardize its content, and refine results, graphs, figures, colors, and the manuscript text.

