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| Journal Name: | [**Journal of Pharmaceutical Research International**](https://journaljpri.com/index.php/JPRI) |
| Manuscript Number: | **Ms\_JPRI\_139915** |
| Title of the Manuscript: | **A statistical and analytical approach for discriminating formulation variability in Nepafenac ophthalmic suspension via In-vitro dissolution** |
| Type of the Article | **Research** |

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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** (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.** | By offering a reliable and statistically supported discriminatory dissolution technique for Nepafenac ophthalmic suspension, a BCS Class IV medication with intricate formulation issues, this work makes a significant contribution to the scientific community. The significance of the suggested technique, which guarantees product quality and consistency throughout the research and production stages, is highlighted by the absence of a compendial method for this formulation. This work satisfies regulatory requirements for in-vitro testing and increases confidence in product performance by methodically assessing crucial formulation factors and proving the sensitivity of the dissolving method. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Title is ok, no need to change. |  |
| **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 of the article is **comprehensive** in terms of technical coverage but would benefit from some **refinement for clarity, conciseness, and structure**. If possible **Streamline Technical Details like** While it's important to describe the method, excessive technical specifics like membrane type (GF/D), flow rate (10 mL/min), and exact HPLC setup may overwhelm readers. These are better suited to the Methods section. Instead of writing “Dissolution profiles were obtained utilizing a GF/D membrane filter, STF pH 7.4...”can write like “A USP Apparatus IV-based method using simulated tear fluid was employed.” Please Rephrase for Clarity and  Grammar. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, the manuscript is **scientifically sound** overall, but with a few caveats and recommendations for improvement. Some of these are: The **clinical relevance** of small changes in dissolution (e.g., between f2 values of 49 vs 53) isn’t thoroughly discussed. This doesn’t invalidate the science but would strengthen its practical importance.The explanation for why some statistically non-significant results still passed the f2 threshold could  be clearer. Some tables and graphs could be more visually consolidated or streamlined.The raw data in Table 6 is accurate, but the f2 values could be supported with more visualization for quicker reference. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Please add more reference with increasing or decreasing order of year. Sequence of years are not followed. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | **The** language and English quality of the article are generally understandable. It requires moderate to significant language editing to meet the standards expected in peer-reviewed journals. |  |
| **Optional/General** comments | **Article can accept with revision.** |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)*  No |  |

**Reviewer details:**

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