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| Book Name: | [**Microbiology and Biotechnology Research: An Overview**](https://www.bookpi.org/bookstore/product/microbiology-and-biotechnology-research-an-overview-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5795** |
| Title of the Manuscript:  | **Inhibitory effects of atractylodin and β-eudesmol, the major constituents of Atractylodes lancea, on P-glycoprotein and permeability across Caco-2 cells** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Phytomedicine Plus, 5(1): 100608, 2025.**

**Available:** [**https://doi.org/10.1016/j.phyplu.2024.100608**](https://doi.org/10.1016/j.phyplu.2024.100608)

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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 *(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 article has a significant research article helping us understand pharmacokinetic properties of atractylodin and β-eudesmol, the primary active constituents of Atractylodes lancea. This will help devise future research modalities.** |  |
| **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** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes, I find the scientific content correct** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Yes the references are sufficient and recent** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes the language is suitable |  |
| Optional/General comments | The study has been scientifically well designed with significant results. The results are clear and can guide future research modalities. Future research modalities could include identifying other Efflux Transporters, comparing the bioavailability and pharmacokinetics. Also this should motivate to do more research on traditional medicines and natural products and how they can be modified to improve efficiency and minimize side effects |  |

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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 details)* |  |

**Reviewer details:**

**Palaniappan Inbamuthiah, United Arab Emirates**