Review Form 3

| Journal Name: | Journal of Pharmaceutical Research International |
|--------------------------|---|
| Manuscript Number: | Ms_JPRI_130088 |
| Title of the Manuscript: | Transdermal Delivery of L-Arginine in lipophilic formulations: A novel approach for muscle protein synthesis. |
| Type of the Article | Original Research Article |

PART 1: Comments

| | Reviewer's comment | Author's Feedback (F part in the manuscript. 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. | The goal of this experimental investigation was to create and assess a lipophilic emulsion gel for the transdermal administration of L-arginine. This strategy may have an impact on mTOR signalling pathways and strengthen its therapeutic potential. | |
| 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, abstract is comprehensive. | |
| Is the manuscript scientifically, correct? Please write here. | Yes | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | Yes | |
| Is the language/English quality of the article suitable for scholarly communications? | Yes | |
| Optional/General comments | The conclusion section of the manuscript should be short to provide a comprehensive summary of the entire study. This should include a detailed discussion of the outcomes, highlighting key findings and their implications, which precisely explain whole experimental study. | |

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<u>PART 2:</u>

| | | Author's comment (if and highlight that part i should write his/her fee |
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| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) | |

Reviewer Details:

| Name: | Kedar R. Bavaskar |
|----------------------------------|-----------------------------|
| Department, University & Country | University of Mumbai, India |

(if agreed with reviewer, correct the manuscript art in the manuscript. It is mandatory that authors feedback here)