

ReviewForm3

JournalName:	JournalofPharmaceuticalResearchInternational
ManuscriptNumber:	Ms_JPRI_130088
TitleoftheManuscript:	TransdermalDeliveryofL-Arginineinlipophilicformulations:Anovelapproachformuscleproteinsynthesis.
TypeoftheArticle	OriginalResearchArticle

PART1: Comments

	Reviewer’scomment	Author’sFeedback(Pleasecorrectthemanuscriptandhighlightthatpart inthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedback here)
Pleasewriteafewsentencesregardingtheimportance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Targeted drug delivery systems have showed a lot beneficial effects in comparison to conventional drug delivery systems. This particular study demonstrated an alternative route (other than oral delivery) for delivery of L- Arginine by formulating it into an emulsion gel for transdermal delivery. This formulated gel, bypass first pass metabolism and also ease application.	AGREE
Isthetitleofthearticlesuitable? (Ifnotpleasesuggestanalternativetitle)	NO,the titlehas emphasisedon lipophilicnatureofformulationandmuscleproteinsynthesis,whichhaven’t much discussed in this study. The title should highlight the type of formulation i.e., emulsion gel. Thetitlecouldbe: TransdermalDeliveryofL-Arginineloaded-emulsiongel:Anovelalternativefororaldrugdelivery systems.	DO NOT AGREE:This study demonstratesthe lipophilicity of L-Arginine which was further formulated into an emulsion gel for transdermal delivery as a topical formulation (Lipid-based drug delivery system). The lipophilicity proved to enhance the stability and absorption process of L- Arginine evidently by steady-state diffusion, thus supporting the title of this paper. This study aims to offer an alternative method for muscle protein synthesis, particularly for sports enthusiasts, The title reflects the focusto the target audience.
Is the abstract of the article comprehensive? Do you suggesttheaddition(ordelation)ofsomepointsinth is section? Please write your suggestions here.	TheresultssectionofabstractcouldbemodifiedfurtherbyadditionofSEMandGC-MSresults.	AGREE:The abstract has been modified, with SEMand LC-MS results included.
Isthemanuscriptscientifically,correct?Pleasewrite here.	Themanuscriptdoesn’tseemtoincludecompletemeasuresinvolvedin formulationofdiscusseddeliverysystem and also some crucial evaluation parameters that are not discussed in the manuscript should be considered like entrapment efficacy and stability studies. This manuscript does need a lot of work on the formatting.	DO NOT AGREE:This study does not include entrapment efficacy and stability studies.However, TEM imaging and ImageJ analysis address thedroplet size of the lipophilic droplets of the active ingredient and transdermal delivery efficacy which were found to be within the nano range. Further research on encapsulation, drug loading, and stability studies would be valuable for future investigation. The formatting has been checked and corrected.
Arethereferencesufficientandrecent?Ifyouhave suggestionsofadditionalreferences,pleasementio n them in the review form.	Referencesareinsufficientnumber.	AGREE
Isthelanguage/Englishqualityofthearticlesuitable for scholarly communications?	ManuscripthasacceptableEnglishqualitywhereas,itdoesincludefewspellingmistakes.	AGREE:Spellings and sentence check done.
Optional/Generalcomments	Theauthorsshouldfocuson formattingof manuscript.Themethodsandresultsshouldbeprecise.Fewsections likeSEMstudyarenotmentionedinmethodology,whilearepresentinresults. Theresultsdon’tincludeproper justification and are unorganized. The figures are not cited in the text properly.	AGREE:Formatting has been appropriately done as suggested. The SEM methodology has been included in the methodology section. The figures that were inappropriately cited have been corrected

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	