

Review Form 1.6

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| Journal Name: | Journal of Advances in Medical and Pharmaceutical Sciences |
| Manuscript Number: | Ms_JAMPS_88534 |
| Title of the Manuscript: | Polyethylene glycol conjugation for solubility enhancement of Cefadroxil, a poorly soluble antibiotic |
| Type of the Article | |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljamps.com/index.php/JAMPS/editorial-policy>)

PART 1: Review Comments

| | Reviewer's comment | Author's comment (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) |
|-------------------------------------|--|---|
| Compulsory REVISION comments | <ul style="list-style-type: none">English language needs improvementChange in font size in AbstractThe structure of Cefadroxil drawn in wrong, no amide group is seen Heterocyclic ring NH- C=O should be there instead of OH.Use of factorial design should have been done in preparation of formulation instead of preparing 7 formulations at random.What was the rational behind using PEG 6000 in 0.5, 1, 2,3,4,5No SNH group is present . The structural elucidation is done wrong. In abstract it is being mentioned as reaction of PEG6000 occur with amide while in interpretation of IR values it is mentioned as amine.No mention of how UV has been done for determining solubility enhancement has been done.A formation of micelles of PEG has taken place and drug seems to be entrapped in micelles hence no peaks of drug structures are observed in IR of conjugates.Scientific reasoning is poor and need more proper scientific content | |
| Minor REVISION comments | | |
| Optional/General comments | | |

PART 2:

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

Reviewer Details:

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