

Review Form 1.6

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	Research 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	Comment (1): The author(s) should add the physicochemical and biomechanical properties of Cefadroxil in the introduction part. Comment (2): The author(s) should draw the structure of Cefadroxil by using ChemDraw software. Comment (3): Figure 1 caption is missing. Comment (4): The author(s) mentioned the bioavailability term in the introduction section; however, they did not do any bioavailability studies. Bioavailability studies should be carried out to approve the concept. Comment (5): In materials, mention the country of origin of each raw material separately. Comment (6): Add a reference for solubility studies. Comment (7): Add a reference for content uniformity. Comment (8): Add a reference for FTIR. Comment (9): Further characterizations should be carried out to confirm the conjugation of PEG with Cefadroxil, such as XPRD, DSC, TEM, etc. Comment (10): <i>In-vitro</i> drug release and bioavailability studies should be carried as well. Comment (11): Post-formation characterizations should be done for the prepared conjugates.	
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)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

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