

Review Form 3

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_125549
Title of the Manuscript:	Utilization of Hydrotropes on Solubilization of Tenoxicam in Aqueous Solution
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript is of great importance to the scientific community as it explores a novel approach to enhancing the solubility of poorly water-soluble drugs, such as tenoxicam, through hydrotropy. The study's focus on low-concentration hydrotropes and mixed hydrotropic systems opens new possibilities for improving drug solubility and, consequently, therapeutic effectiveness and bioavailability. I find this manuscript particularly valuable because it highlights the potential of using mixed hydrotropes, like sodium benzoate and sodium citrate, to achieve significant solubility enhancement, which is crucial for optimizing drug formulation. The clear and methodical approach, coupled with the promising results, makes it a significant contribution to pharmaceutical research.	
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.	No need. It is comprehensive.	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript appears scientifically robust and technically sound due to its clear experimental design and adherence to established methods. The use of a rotary flask shaker at room temperature is a standard approach for solubility studies, ensuring consistent and reproducible results. The careful selection of hydrotropes and their combinations demonstrates a thorough understanding of solubilisation mechanisms, and the results, such as the significant fold increase in solubility, are supported by quantifiable data. The observation of a decrease in standard free energy also confirms the thermodynamic viability of the solubilisation process, reinforcing the study's scientific validity.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	All the references were not uniform format. Request to make in uniform as per journal instructions.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	Over all, it is acceptable and useful manuscript.	

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>	

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