

Review Form 3

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_127798
Title of the Manuscript:	Varied analysis of Acid Dissociation Constants by cyclic voltammetry and UV-visible to determine the aqueous solubility of a new diisopropylammonium phenylsulfonate molecule
Type of the Article	Research Article

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript provides a comprehensive analysis of the acid dissociation constants and aqueous solubility of diisopropylammonium phenylsulfonate using cyclic voltammetry and UV-visible spectroscopy. The research is significant for its detailed physicochemical characterization of a potential active pharmaceutical ingredient (API), which could contribute to the development of novel pharmaceutical salts with improved solubility and bioavailability. The findings are particularly relevant for pharmaceutical sciences and drug formulation.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is suitable and reflects the scope and content of the manuscript.	
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.	The abstract is comprehensive and adequately summarizes the study's objectives, methods, results, and significance. No major changes are required.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically robust and technically sound. The experiments are well-designed, and the results are clearly presented with appropriate data analysis. Minor corrections in formatting and figure captions could enhance readability.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are relevant and sufficiently recent. Including additional references to similar studies on pharmaceutical salts might broaden the context.	
Is the language/English quality of the article suitable for scholarly communications?	The language is generally clear and suitable for scholarly communication. Minor grammatical and stylistic corrections could improve the manuscript's fluency.	
Optional/General comments	<ol style="list-style-type: none">1) Figures and tables are well-prepared but could benefit from clearer captions to enhance reader understanding.2) The discussion could be expanded to include a comparison with other similar APIs to emphasize the novelty of this compound.	

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PART 2:

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

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