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REVIEWER'S REPORT

Manuscript No.: **IJAR-53007**

Title: Analytical Review and Validation of a Novel UV- Spectrophotometric Method for Ivabradine Estimation in Bulk and Dosage Forms

Recommendation:

Accept as it is .....

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality			✓	
Clarity			✓	
Significance		✓		

Reviewer Name: Dr Aamina

Reviewer's Comment for Publication.

The manuscript presents a detailed analytical review of the development and validation of a novel UV-visible spectrophotometric method for the estimation of Ivabradine. The use of ferric phenanthroline as a complexing agent introduces an innovative and eco-friendly dimension to the analysis, aligning well with the principles of green analytical chemistry.

The abstract provides a clear and concise summary of the study, effectively outlining the methodological approach, key validation parameters, and statistical outcomes. The emphasis on linearity ($R^2 = 0.9996$), precision (RSD < 2%), and accuracy (recovery 97–102%) offers a compelling justification for the method's reliability and industrial applicability. The reference to molar absorptivity and concentration range further supports the robustness and sensitivity of the proposed analytical technique.

The introduction offers a strong contextual foundation for the research. It presents a comprehensive overview of Ivabradine, including its chemical structure, physical properties, and pharmacological action. The description of its mechanism via inhibition of HCN channels in the SA node is scientifically accurate and relevant, particularly given the importance of Ivabradine in treating cardiac disorders. This establishes the rationale for precise quantification and the necessity of validated analytical methods for quality control in pharmaceutical contexts.

The manuscript is well-structured, informative, and written in a clear, scientific tone. It integrates chemical, pharmaceutical, and methodological aspects seamlessly, making it suitable for professionals in pharmaceutical analysis, quality control, and method development.

In conclusion, the document effectively communicates the relevance and validity of the proposed UV-spectrophotometric method, contributing meaningfully to the domain of pharmaceutical analytical research.

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