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## REVIEWER'S REPORT

Manuscript No.: IJAR-57318

Title: Unlocking the Anticancer Efficacy of 4-Hydroxy-3-Methoxy Cinnamic acid A Predictive Computational Study for Drug Development

### 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 S. K. Nath

### Detailed Reviewer's Report

#### Strength of the study

- Focuses on relevant anticancer drug discovery using computational methods
- Uses multiple in silico tools including docking ADME and toxicity analysis
- Clear methodology for compound design and evaluation
- Includes comparative analysis with standard drug Erlotinib
- Good presentation of tables and figures supporting findings

#### Weakness of the study

- Language and grammar issues reduce clarity of the manuscript
- No mention of ethical statement or study approval
- Overly descriptive sections with repetition
- Lack of experimental validation beyond computational results
- Limited critical discussion of findings and clinical relevance

#### Reviewers Comments

The study presents a computational evaluation of 4-hydroxy-3-methoxy cinnamic acid derivatives for anticancer activity, particularly targeting EGFR in lung cancer. The use of multiple in silico approaches such as docking, ADME, and toxicity analysis strengthens the work, and the results in tables on pages 12 to 16 are clearly presented. However, the manuscript requires improvement in grammar and sentence structure, as several sections are difficult to follow. Ethical clearance is not applicable for this type of study, but a statement should still be included. The study is limited by the absence of in vitro or in vivo validation, which restricts the practical relevance of the findings. Some sections are repetitive and could be made more concise. Overall, the work is promising but needs refinement in writing quality and deeper critical discussion.