



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 61979

Title: Mitochondrial pathway of the lysine demethylase 5C inhibitor CPI-455 on the Eca-109 esophageal squamous cell carcinoma cell line

Reviewer's code: 03468910

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor, Surgeon

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2021-01-08

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-01-27 07:10

Reviewer performed review: 2021-01-28 11:14

Review time: 1 Day and 4 Hours

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|---------------------------------|---|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Peer-reviewer statements | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |



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SPECIFIC COMMENTS TO AUTHORS

The topic of this manuscript falls within the scope of World Journal Gastroenterology. The scope of this study was to investigate the role and mechanism CPI-455 in the occurrence and development of esophageal squamous cell carcinoma. The results showed that CPI-455 inhibits ECA-109 cell proliferation via mitochondrial apoptosis pathway by regulating the expression of related genes. The manuscript is very interesting. The study confirmed the anti-tumor effect of CPI-455 in esophageal squamous cell carcinoma and provide a theoretical basis for the application of CPI-455 for the treatment of esophageal squamous cell carcinoma. The manuscript is well written. Materials and reagents and Discussion are well organized. It is necessary to correct the repetition in the penultimate period of the Discussion ("In the present study, This Study..."). It is also necessary to review the References, some are underlined others are not.