



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 84589

Title: 18 β -glycyrrhetic acid inhibits proliferation of gastric cancer cells through regulating the miR-345-5p/TGM2 signaling pathway

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03731081

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2023-03-20

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-20 19:43

Reviewer performed review: 2023-03-22 14:49

Review time: 1 Day and 19 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 checked="" type="checkbox"/> Accept (General priority) <input 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

SPECIFIC COMMENTS TO AUTHORS

This original experimental manuscript is very interesting. The authors substantiated a promising method of gastric cancer chemotherapy. Treatment of gastric cancer is based on molecular genetic mechanisms of inhibition of carcinogenesis by 18 β -glycyrrhetic acid. The study was done in accordance with the requirements of evidence-based medicine. The manuscript is well illustrated. This scientific research is of great practical importance for clinical oncology. 18 β -glycyrrhetic acid needs clinical trials in the hospital among cancer patients with gastric cancer. The manuscript is recommended for publication in the World Journal of Gastroenterology.



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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05754965

Position: Peer Reviewer

Academic degree: PhD

Professional title: Postdoc

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2023-03-20

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-04-03 14:28

Reviewer performed review: 2023-04-09 21:04

Review time: 6 Days and 6 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

I have the following comments for the authors: (1) There are so many miRNAs with altered expression level. Why did the authors choose miR-345-5p to study but not others? (2) miR-345-5p mimic and inhibitor should be used to determine the regulation of TGM2 by miR-345-5p. (3) Restoration assays are needed to demonstrate that the effect of 18β-GRA is through miR-345-5p/TGM2 axis. (4) In your working model, miR-345-5p was mistakenly showed as miR-204-3p. (5) The reference #32 is not suitable for citing.