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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 61264

Title: Scoparone inhibits pancreatic cancer through the PI3K/Akt signaling pathway

Reviewer's code: 05266762
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Associate Professor
Reviewer's Country/Territory: Germany
Author's Country/Territory: China

Manuscript submission date: 2021-03-04
Reviewer chosen by: AI Technique
Reviewer accepted review: 2021-03-08 00:17
Reviewer performed review: 2021-03-31 13:45
Review time: 23 Days and 13 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

Pancreatic cancer is the seventh leading cause of death worldwide with an increasing trend. At present, surgical resection is the primary treatment method for pancreatic cancer. However, only few patients are eligible for surgical resection because of late diagnosis. Pancreatic cancer has a strong tendency to metastasize and a high recurrence rate following surgery. Scoparone belongs to the coumarin class of natural organic compounds, and is widely used in the prevention and treatment of neonatal jaundice. Scoparone may inhibit the proliferation of prostate cancer cells by directly interfering with the transcription of signal transducer and activator of transcription 3. In this study, the antitumor activity of scoparone on pancreatic cancer cells was evaluated. And, the authors investigated the molecular mechanism of action, providing evidence of a potential drug or adjuvant for pancreatic cancer treatment. The manuscript is very well written. The research methods are detail and reasonable. The pancreatic cancer cell culture, and the cell viability assay were analyzed. The results are very interesting, and are well discussed with updated references. I recommend to accept this manuscript for publication after minor language editing. Thank you.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 61264

Title: Scoparone inhibits pancreatic cancer through the PI3K/Akt signaling pathway

Reviewer's code: 05261059
Position: Peer Reviewer
Academic degree: FEBG, MD, PhD
Professional title: Assistant Professor, Senior Lecturer
Reviewer's Country/Territory: United Kingdom
Author's Country/Territory: China

Manuscript submission date: 2021-03-04
Reviewer chosen by: AI Technique
Reviewer accepted review: 2021-03-08 00:17
Reviewer performed review: 2021-03-31 13:48
Review time: 23 Days and 13 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
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SPECIFIC COMMENTS TO AUTHORS

This is an interesting study about the Scoparone in the treatment of pancreatic cancer. The mansucript is very good. Only the figures are not in a high resolution. Please check and update the images.