

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 52082

Title: Glycoconjugation: An Approach to Cancer therapeutics

Reviewer's code: 03505676

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's country: China

Author's country: Argentina

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-10-23 00:41

Reviewer performed review: 2019-11-04 10:35

Review time: 12 Days and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In the paper, the authors summarized the progress in glycoconjugation field, particularly

for gastrointestinal tumors, and discussed the effect of targeting properties of glycosylated antitumoral agents on gastrointestinal tumors. This is very interesting review with potential application. However, there are several suggestions for the improvement of the review. 1. Please supplement an overview of recent progress in glycoconjugate vaccines targeting tumor. 2. Please provide a table with summarized characteristics of antitumoral drug glycoconjugates including chemical structure, pharmacodynamics, efficacy and possible ongoing trials. 3. References in recent two years should be updated.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 52082

Title: Glycoconjugation: An Approach to Cancer therapeutics

Reviewer's code: 02539210

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's country: United States

Author's country: Argentina

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-10-24 14:12

Reviewer performed review: 2019-11-05 20:34

Review time: 12 Days and 6 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input checked="" type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript by Molejon et al. is a review of the use of conjugation of sugars

(glycoconjugation) to existing chemotherapeutic agents. Anti-tumor activity is largely considered in the context of gastrointestinal tumors. While rather narrow in scope, the compilation of information about this group of therapeutics could be of use to some. Value could be enhanced by inclusion of additional information in Table 1. Despite what it says on Lines 141-142, no cytotoxic or other comparison between the glycoconjugate and the respective parent compound is provided in the Table. This would enhance overall utility, enhancing comparisons, which are otherwise scattered in the text. Similarly, the Figure is fairly uninformative. It could be improved for the nonspecialist by inclusion of the actual sugar structures (instead of simple shapes), and this would complement the structures shown in the Table. Multiple errors also need correction. One of the agents is incorrect in the table (Glufosamide). There are symbols missing on lines 215-216. Mice is the plural of mouse (line 264). Line 173: derived, not derivate. Lines 303 and 307: synthesized, not synthetized. Numerous grammatical issues are found throughout that have not been listed here.

INITIAL REVIEW OF THE MANUSCRIPT

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- ☒ No

BPG Search:

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[Y] No