

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

Ms: 3301

Title: Effects of radix curcumae-derived diterpenoid C on helicobacter pylori-induced human gastric epithelial GES-1 cell inflammation and the NF- κ B signal pathways in vitro

Reviewer code: 00503587

Science editor: s.x.gou@wjgnet.com

Date sent for review: 2013-04-22 13:55

Date reviewed: 2013-04-27 13:15

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS

COMMENTS TO AUTHORS:

The manuscript by Huang and colleagues investigates how a natural product modulates inflammatory signalling. Specific Comments: 1. The many errors of grammar, spelling and English construction interfere greatly with the presentation and readability of this manuscript. These issues must be remedied. 2. The use of the words *Helicobacter pylori* must be used correctly, following standard processes. Also, two different abbreviations were utilised. 3. The ABSTRACT is unstructured and extends for more than 300 words 4. The authors describe the use of I-type organisms: do they mean type-1 organisms? 5. MTT is unexplained in the abstract 6. A number of sections in the manuscript (Intro and Discussion) are inadequately referenced. For instance in paragraph 2 of the Intro and the first part of the Discussion 7. The subheadings in the Methods and Results are preceded by unknown symbols 8. The titles of the sections (e.g. RESULTS) should be carefully and clearly defined - currently these titles merge in with the rest of the text 9. Some of the reagents should include their source (company etc). The ELISA kits should include the name of the company supplying these. 10. The term un-cytotoxic is not standard (Methods) 11. The tables and figures are currently embedded in the text. Some of these should be presented more clearly 12. Some of the Figure Legends (e.g Fig 2) should be more detailed 13. The Discussion could be revised to improve clarity and readability. There are also errors in words used here, as in other sections.

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Title: Effects of radix curcumae-derived diterpenoid C on helicobacter pylori-induced human gastric epithelial GES-1 cell inflammation and the NF- κ B signal pathways in vitro

Reviewer code: 01429020

Science editor: s.x.gou@wjgnet.com

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS

COMMENTS TO AUTHORS:

The paper of Xuan Huang et al reports the effects in vitro of diterpenoid C a substance derived from radix Curcumae on Helicobacter pylori infected cultured gastric cells, showing a strong anti-inflammatory effect on NF- κ B pathway. The paper is interesting but its main problem is represented by the absolute need of an extensive linguistic revision. Indeed, even the title appears very hard to understand and must be re-written in a comprehensible version. The whole text (enclosing figure legends) shows up too many grammar mistakes and the abbreviations are not always explained as currently requested. It is obvious that this problem could represent a very hard handicap for a reader. Which test was really used for statistical analysis? The tables regarding cell proliferation need to be better explained, i. e. it is unclear what the values expressed at different times and diterpenoid C and amoxicillin concentrations represent (presumably they are values of optical absorbance, since MTT is a colorimetric test). The criteria for cell morphology evaluation are not reported. The results of this study suggest at least a promising approach for gastritis therapy; nevertheless, studies in vivo assessing H. pylori status are necessary before stating "RC-derived diterpenoid C may become an effective drug for treatment of chronic gastritis".