

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 58556

Title: Screening and identification of bioactive compounds from citrus against non-structural protein 3 protease of hepatitis c virus genotype 3a by fluorescence resonance energy transfer assay and mass spectrometry

Reviewer's code: 03600138

Position: Peer Reviewer

Academic degree: DPhil

Professional title: Assistant Professor

Reviewer's Country/Territory: Poland

Author's Country/Territory: Pakistan

Manuscript submission date: 2020-07-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-07-28 07:10

Reviewer performed review: 2020-08-13 12:08

Review time: 16 Days and 4 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 Grade E: Do not publish
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript entitled Screening and identification of bioactive compounds from citrus against NS3 protease of HCV-G3a by FRET assay and Mass Spectrometry describes the screening of active metabolites in citrus fruits extracts against HCV-Genotype3a NS3 protease. This study is interesting due to the fact that natural compounds may serve as scaffolds for the synthesis of antiviral agents with enhanced inhibitory capacity compared to the native molecules. Moreover, plant-derived anti-HCV compounds may provide future new therapies against hepatitis C to people with no access to expensive anti-HCV therapies. As the manuscript is well written and the study seems to be designed carefully, I recommend to publish it without changes.