Reviewer’s report

Title: Estimation of flavoniods, antimicrobial, antitumor and anticancer activity of Carissa opaca fruits

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Reviewer: zhijun dai

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The authors of the manuscript “Estimation of flavoniods, antimicrobial, antitumor and anticancer activity of Carissa opaca fruits” investigated fractions of C.opca and its antimicrobial, antitumor and anticancer activity. The components in C.opca were analyzed by HPLC. The research approach was logical and reasonable, and the structural analysis of the chemical products was in detail. However, there are some areas the authors may wish to consider when revising the manuscript.

1. In methods, six strains of bacteria including Bacillus subtilis, Enterobactor aerogenes, Escherichia coli, Klebsiella pneumoniae, Micrococcus luteus, Pseudomonas aeruginosa, Salmonella typhi, and Staphylococcus aureus. Why author list eight strains of bacteria?

2. Results were not comprehensive, why only the inhibition growth of strains of fungal? Where were results of antimicrobial, antitumor and anticancer?

3. In the gradient of HPLC, why 5-10min 70% B in A, 19-15min also 70% B in A?

4. The lack of specific and particular experiment steps.

5. Why 20% tumor inhibition was considered significant?

6. The peaks of HPLC was not separated completely, if the resolution rate >1.5? and lack of HPLC spectrum of reference substances.

7. The language needs further improvement.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests