Review of: "Efficacy of Anogeissus leiocarpus as a Therapeutic Agent for Some Pathogenic Bacteria"

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Potential competing interests: No potential competing interests to declare.

Dear Authors,

This work has an interesting idea on expanding the use of herbs in traditional medicine to treat infections from pathogenic bacteria. And these are my comments and questions regarding some parts of these experiments.

1. The results from the chemical screening tests in Table 1 of ethanol and water extracts are not aligned with the results in the abstract. I think both extracts present the same group of secondary metabolites, saponins, flavonoids, steroids, alkaloids, terpenoids, tannins, and phenols, except for glycosides, which are present only in the ethanol extract. But the quantity of those secondary metabolites in the ethanol extract is higher than that in the water extract.
2. Please explain further how you determined the amounts of steroids and glycosides. The methods described the changes in the color reaction but do not mention how to quantify them or the use of any reference standard.
3. I think the reference standard for total phenolic determination might be gallic acid. Could you confirm if this is correct?
4. Regarding the glycoside determination, I'm not quite sure which secondary metabolite you prefer to determine. Deoxy sugars are rarely found in nature but are dominantly found in cardiac glycosides. If you want to determine cardiac glycosides, you can further test for unsaturated lactones and steroids. If you want to test the sugar in the extract, you can use Molisch's test for identification.
5. Please check the scientific name of this plant. This will ensure clarity and consistency throughout the content.

Best regards,

Naphatson Chanthathamrongsiri