Reviewer's report

Title: Kaliziri extract up regulates Tyrosinase, TRP-1 and TRP-2 and MITF expression in Murine B16 Melanoma Cells

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Reviewer: Kuo-Ching Wen

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The similar study, alcohol extract of Vernonia anthelmintica seed enhances melanin synthesis has been published by Zhou J on J Ethnopharmacology. (Zhou J, Shang J, Ping F, Zhao G. Alcohol extract from Vernonia anthelmintica (L.) willd seed enhances melanin synthesis through activation of the p38 MAPK signaling pathway in B16F10 cells and primary melanocytes. J Ethnopharmacol. 2012 143:639-47.) The effect of Vernonia anthelmintica on melanin synthesis and its mechanism on tyrosinase, MITF, p38 MAPK and protein kinase A has been studied. The novelty of the manuscript “Kaliziri extract up regulates Tyrosinase, TRP-1 and TRP-2 and MITF expression in Murine B16 Melanoma Cells” is not enough.

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests'