Author's response to reviews

Title: Norartocarpetin from a folk medicine Artocarpus communis plays a melanogenesis inhibitor without cytotoxicity and skin irritation in mice

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Response letter

Referee 2

**Reviewer's report:**

Minor essential revisions.

We are satisfied of the modifications that authors made in the manuscript even if we think that another little one should be again carried out in this paper.

1) When the author tell about the difference between their work and Alesiani et al. they should also consider in their manuscript the contrastan data that are reported in another work (Gismondi et al., 2010 - Transglutaminase-dependent antiproliferative and differentiative properties of nimesulide on B16-F10 mouse melanoma cells) that probably we have not mentioned in our first list of revisions. In fact, also in this work the amount of melanin and tyrosinase activity indicate an increase of cell differentiation and a reduction of cell neoplastic power.

Reply:

We thank the reviewer’s comment. As suggestion, we quoted a paper “Transglutaminase-dependent antiproliferative and differentiative properties of nimesulide on B16-F10 mouse melanoma cells” for elucidating the correlation between antineoplastic activity and melanin production in B16-F10 melanoma cells. Gismondi et al. are also found that nimesulide, a non-steroidal anti-inflammatory drug, played as an antineoplastic agent to induce B16-F10 melanoma cell differentiation by enhancing the transglutaminase and tyrosinase activity and increase of melanin production [34]. This statement is added into the Discussion section (Page 22, Line 4 to Line 7).

We thank the reviewer grateful for his/her detailed examination on our manuscript and for his/her kind suggestions. We hope that these answers are satisfactory.

Moreover, we also thank the response from referee 3.