Reviewer's report

Title: Studies of the in vitro antitumor, antioxidant, antiobesity and antimicrobial activities of selected Thai medicinal plants

Version: 1 Date: 15 August 2012

Reviewer: Eduardo Ruiz-Bustos

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Major Compulsory Revisions
The manuscript is difficult to read. It is necessary to be reviewed by an English editor.

Minor Essential Revisions
Some of the observations are enlisted next:
Page 3, line 44: Eliminate space after 2005
Page 3, line 67: Change “…were analytical grade.” To “…were of analytical grade.”
Page 4, line 76: Change “20 g” to “Twenty grams”
Page 4, line 84: Change “…extracts were determined…” to “…extracts was determined” since it refers to the antitumor activity.
Page 4, line 94: Remove space between temperature and Celsius degree.
Page 4, line 94: Change “…various final concentrations of crude extracts…” to “…crude extracts at different concentrations…”
Page 4, line 99: Change “…media were…” to “…media was…”
Page 4, line 99: Change “… 100 µl DMSO was added…” to “…100 µl DMSO were added…”
Page 5, line 103: Change “The inhibition concentration (IC50), the concentration of extract that inhibited cell proliferation by 50%,…” to “The concentration of extract which inhibited cell proliferation by 50% (IC50),…”
Page 5, line 108: Change to uppercase the letter “C” as is in the legend below
Page 5, line 117: Remove space after “1000 µg/ml).”
Page 6, line 155: Remove space in “namely ; Bacillus”
Page 6, line 158: Remove space after yeast
Page 6, line 164: Change “…paper discs with the size of 6 mm in diameter…” to “…paper discs with 6 mm in diameter…”
Page 7, line 177: Change “…microorganisms with minor modification as previously described in Mothana et al [14]…” to “…microorganisms as previously described in Mothana et al [14], with minor modifications.”
Page 7, line 185: Spacing in “…minutes. The change…” to “…minutes. The change…”
Page 7, line 185: Change “The change of the colour from yellow to pink…” to “The change from yellow to pink…”
Page 7, line 194: Change “The total of 220 extracts…” to “A total of 220 extracts…”
Page 7, line 200: Change “among” to “from” and “…only 4 plants namely,…” to “…only 4” and the plant names within parenthesis.
Page 8, line 204: Avoid the use of the term “obviously”
Page 8, line 205: Change “With the value of IC50 at 0.28…” to “With an IC50 value of 0.28…”
Page 8, line 207: Change “…also showed IC50 at 1.16…” to “…also showed an IC50 value of 1.16…”
Page 8, line 208: Remove space after “fact”
Page 8, line 211: Remove space after “pinnata”
Page 8, line 214: Remove space after “IC50 of”
Page 8, line 224: Change “cytotoxicity” to “citotoxic”
Page 8, line 226: Change “…6 plants namely; …” to “…6 plants: …”
Page 8, line 234: Remove space after “active”
Page 9, line 242: Change “…were tabulated in Table 3.” To “…are shown in Table 3.”
Page 9, line 245: Remove the italics in “and”
Page 9, line 248: Remove the italics in “and”
Page 9, line 252: Remove the italics in “and”
Page 9, line 256: Remove the italics in “and”
Page 9, line 257: Add space in “E.coli”
Page 9, line 261: Remove the italics in “and”
Page 10, line 277: Remove extra space after “Thailand,” and change “…the total…” to “…a total…”
Page 10, line 280: Remove “Most of them did not show any antitumor activity except some of the extracts.” Is repetitive
Page 10, line 287: Remove space after “Clinically”
Page 10, line 289: Change “agents” to “agent”
Page 11, line 317: Change “…control the cell division.” To “…control cell division.”
Page 11, line 320: Change “…only the extracts from ethanol and aqueous…” to “…only the ethanol and aqueous extracts…”
Page 11, line 327: Change “…which are the rich sources…” to “…which are rich
sources…”
Page 12, line 354: Change “…of the leaves…” to “…from the leaves…”
Page 12, line 362: Add space within “E.coli”

Level of interest: An article of importance in its field

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

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.