Reviewer’s report

Title: Effects of different extracts of Curcumin on TPC1 papillary thyroid cancer cell line

Version: 0 Date: 15 Aug 2017

Reviewer: Rohaya Ahmad

Reviewer's report:

The term curcumin extract is used frequently. Commercially curcumin extract may be acceptable but in this context, I am in the opinion that the extracts should be referred to as curcuma or turmeric extracts since curcumin is the name of a specific compound. A discussion on why Naturex and C3 complex consistently showed better activities than the other extracts based on their content of curcumin (given in Table 1) should be discussed.

Please make the following amendments

Abstract

1. Line 28- as epithelial tumors or non-epithelial tumors (same for Line 56-58)
2. Line 30-31 -rephrase the sentence and do not repeat the same sentence in Line 78-81
3. Line 32-33- this sentence was repeated in Line 84-85; Please rephrase
4. Line 34- Was Arjuna (Terminalia arjuna) or Arjuna Natural Extracts Ltd used? these represent different extract- Line 107 mention the latter
5. Line 37- nutraceutical

Background

7. Line 69-70; The state of obesity including (among?) school-age children. Continue paragraph with the next sentence
8. Line 73-74- description of curcumin is very vague -head(?) of the typical yellow color/ What does this mean?
9. Line 77-78- used (for) dying purposes

10. Line 78-81- repetitious -from Line 30-31

Methods

11. Line 106-110-specify Arjuna extract (BM 95?)

Results

12. Line 175- cell cycle (as ) antioxidant and anti-inflammatory (agents?). Please clarify

13. Line 177- observed a non-significant...

14. Line 184-although slightly ? - please rephrase

15. Line 207- compounds ? or extracts ? enriched with curcumin or curcuminoids?

Discussion

16. Curcumin-enriched compounds or curcumin-rich extracts?

17. Line 297-our results fit well

18. Line 298 - exposition or exposure?

19. Line 304- cells (undergo) a similar

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes
Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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