

# Review of: "Effects of Cinnamon on Cancer Prevention and Progression"

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**Potential competing interests:** No potential competing interests to declare.

## **Decision: major revision**

This manuscript, titled "Effects of Cinnamon on Cancer Prevention and Progression", outlines the possible role of cinnamon in preventing and treating cancer, focusing on its biologically active components and their potential mechanisms against cancer. Additionally, it discusses how cinnamon can affect kinase activity, transcription factors, and other pathways related to tumor progression and angiogenesis. However, it would be greatly beneficial to the paper if the authors could review and revise the following:

**Questions 1:** There are numerous grammatical and structural errors in the manuscript, along with unintelligible sentences. Furthermore, some punctuations and abbreviations are misused and/or require correction. Please thoroughly review the entire manuscript in this case.

**Questions 2:** The manuscript lacks keywords. Please list 4-6 keywords.

**Questions 3:** The introduction should include a brief description of cancer and the significance of discovering new therapeutic agents, as well as the involvement of NF- $\kappa$ B, MAPKs, AP-1, and Nrf-2 in cancer. The importance of these molecules in cancer treatment is not well explained.

**Questions 4:** In the introduction, the purpose of the manuscript is not well defined. The lack of information regarding the selection of cinnamon is evident.

**Questions 5:** Please include a table in section 2 that lists different derivatives of cinnamon, their impacts on various types of cancers, their structures, and the molecular mechanisms through which they work.

**Questions 6:** In section 2, second paragraph, BDNF is not a receptor! It is a protein and member of the neurotrophic factor family. BDNF binds to two types of receptors: TrkB and P75<sup>NTR</sup>. Please correct this part.

**Questions 7:** In section 3.5, the authors claimed that "Pim-1 kinase is a MAPK." What evidence supports this statement?

**Questions 8:** In section 4.2, there is a need for a more thorough explanation of the connection between inflammation and cancer. Please provide a comprehensive explanation of this matter.

**Questions 9:** In several cases, it is evident that there is a lack of referencing and referring to previous studies. For example, section 3.2 (the first paragraph), section 3.3 (the last paragraph), and section 3.4. Please provide proper references.

**Questions 10:** It is suggested to remove the “6.2. Potential risks” from section 6 and consider a separate title for it in the text.