

## Review Form 1.6

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| Journal Name:            | <a href="#">Asian Journal of Applied Chemistry Research</a>  |
| Manuscript Number:       | Ms_AJACR_88119   |
| Title of the Manuscript: | Induction of Apoptosis in Ehrlich ascites carcinoma cells through an intrinsic pathway by Co(II)-benzoin Thiosemicarbazone Complex [Co(BTSC)2] |
| Type of the Article      | Original Research Article  |

### General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajacr.com/index.php/AJACR/editorial-policy>)

### PART 1: Review Comments

|                                     | Reviewer's comment  | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|-------------------------------------|---|---|
| <b>Compulsory</b> REVISION comments | In this manuscript, the authors present results of an study on the antitumor activity of Co(II)-benzoin thiosemicarbazone against EAC cells in Swiss albino mice in order to evaluate and assess the mechanism of induction of the apoptotic response. The observations resulting from the experimental treatment suggest that Co(BTSC)2 could be used as an effective antitumor agent and the results shown in this paper provide evidence supporting future studies with the experimental compound.<br>That being said, I have some concerns about the presentation of the results of this work. First of all, I think that they could improve the writing of Results and Discussion with a more precise description of their interesting findings. Especially, the section describing the results of the DNA fragmentation assay. They could also correct and improve the Figures and the Figure legends. I recommend this paper for publication after revision. |   |
| <b>Minor</b> REVISION comments      | In the following I outline my concerns:<br>- They need to revise the manuscript because there are some minor mistakes and inconsistencies in the text and the figures.<br>- They could change the font size and orientation of titles in the figure (text and letters) to improve reading comprehension.<br>- There are some minor grammar mistakes.<br>These and other issues are included in the revised manuscript attached to this review.  |   |
| <b>Optional/General</b> comments    |   |   |

### PART 2:

|  | Reviewer's comment  | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) |   |

### Reviewer Details:

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| Name:                            | María José Fernández                       |
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