

MEDICINAL CHEMISTRY**Manuscript Evaluation Form**

Editor-in-Chief: Dr. Dimitra Hadjipavlou-Litina, Aristotle University of Thessaloniki, Thessaloniki, Greece

PAPER TITLE	Synthesis and Cytotoxicity Evaluation of Novel Indole Derivatives as Potential Anti-Cancer Agents
AUTHOR(S) NAME	Mona M. Kamel, Mohamed K. Abdel-hameid, Hala B. El-Nassan, Eman A. El-Khouly

Sec. A: REFEREE'S ASSESSMENT*(cross as appropriate)*

Criterion	Excellent	Good	Fair	Poor
Originality of the topic	x			
Technical Quality		x		
Importance in its Field	x			
Style & Overall Representation		x		
Readily Understandable	x			
Suitability for the Journal	x			
Adequate Illustrations or Drawings	x			
English language		x		
Description	Yes	No	Comments/ Suggestions	
Does the title represent manuscript's contents?	x			
Is the Abstract accurate and concise?	x			
Are the approach/ methods properly described?	x			
Are the conclusions and interpretations sound?	x			
Are the references properly cited?	x			
Is this a new/ original/ contribution?	x			
Is it within the scope of the journal?	x			
Overall the Paper is Rated:	(Excellent ----- Poor) 10 9 8 7 6 5 4 3 2 1			

Sec. B: REFEREE'S RECOMMENDATIONS**OTHER SPECIFIC CRITICISMS**

Accept with minor changes	x	Imperfect style	x
Accept with major changes		Too long	
Reject in current form, but may be resubmitted		References incorrectly presented	
Reject, with no resubmission		Typographical and Grammatical errors	

PAPER TYPE: Research article

Review article

Letter article

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Confidential Comments to the Editor (not for Transmission to Authors):

The manuscript is suitable for publication after some revision that I suggest in comments.

Comments for the Authors (continue on another sheet, if necessary):

Review of the article entitled

Synthesis and Cytotoxicity Evaluation of Novel Indole Derivatives as Potential Anti-Cancer Agents, BMS-MC-2018-301, by Mona M. Kamel, Mohamed K. Abdel-hameid, Hala B. El-Nassan, Eman A. El-Khouly

In this study, a series of novel indole derivatives was synthesized that revealed potent cytotoxic effect on HCT-116 cell-line. Two of the examined compounds showed the most potent cytotoxic activity and exhibited effective inhibition of GSK-3 α/β and Erk2 enzymes. This is an important result and within the scope of the journal. The manuscript is suitable for publication after some revision.

Check and improve the English language at some places, as well as formatting of the entire manuscript, according to the style of the journal.

In Keywords, add HCT-116 cell-line, GSK-3 α/β before Erk2

Use the abbreviations min for minutes, h or hrs. for hours, calc. for calculated, in the entire manuscript.

Some sentences are too long and should be divided, either into two sentences, or with the conjunction and or semicolon.

Place the numbers and the units of measure in the same row.

For example, move 0,34 to the next row beside μM , as follows 0.34 μM , in the Abstract.

On page 7, δ 11.25 ppm, as well as δ 1.34-1.37 ppm, or 1,37 ppm should be placed in one row.

On page 8, δ 158.1 ppm should be in one row.

On page 22, place 0.25 g in one row.

On page 23, replace the correct unit of measure, 10 $\mu\text{g/ml}$ instead of 10 ug/ml .

All the figures legends and schemes should end with the point, below figures, whereas table captions should be without point above tables.

Place the legends of Figures 4 and 5 below these Figures.

In the caption of Table 1 replace the complete name, HCT-116 cell-line instead of HCT cell-line.

All the main headings should be formatted uniformly and underlined, whereas subheadings should be without underlining.

Separate from the paragraph, as a heading Cell culture protocol, on page 24.

On pages 19 and 20, the word substituted, within the names of the first mentioned synthesized compounds can be omitted.

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FIELD OF EXPERTISE OF REFEREE: Materials and chemical technologies, nanotechnologies, biomedical engineering, chemistry, medicinal chemistry

Name & Affiliation of referee: Tamara Jovanovic, Department of Biomedical Engineering, Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade, Serbia

Dr Tamara Jovanovic /December 20, 2018

SIGNATURE OF REFEREE / DATE