

MEDICINAL CHEMISTRY**Manuscript Evaluation Form**

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

PAPER TITLE	Synthesis, Molecular Docking studies, and Anti-proliferative Activity of Peptide Derivatives of 1,2-dihydro-3-methyl-2-oxoquinoxaline-6-carboxylic Acid.
AUTHOR(S) NAME	Sachin Chaudhary, Sushil Kumar

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 -8----- 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):

I suggest publication of this article after minor revision that I send in comments.

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

Review of the article entitled

Synthesis, Molecular Docking studies, and Anti-proliferative Activity of Peptide Derivatives of 1,2-dihydro-3-methyl-2-oxoquinoxaline-6-carboxylic Acid, BMS-MC-2018-287, by Sachin Chaudhary, Sushil Kumar

This study reports the synthesis of peptide derivatives of 1,2-dihydro-3-methyl-2-oxoquinoxaline-6-carboxylic acid. The obtained results for anti-proliferative activity revealed good level of activity against cancer cell lines. The synthesized derivative having (Trp-Phe-Pro-Trp) chain in the structure represented maximum activity against Hela cell lines, better than the standard drug, with the highest binding score by binding with (Gly) residue of enzyme pocket in docking studies. These findings are also important for further future developments I recommend publication of this article in the journal Medicinal Chemistry after minor revision.

The English language can be improved at some places.

Replace the first capital letters at the adequate places in the title of the article, as well as in Scheme 2., for example, for the word Studies, and the names of compounds.

Use the abbreviation str., with the point, instead of str, for stretching vibrations in the entire manuscript.

Put the names of compounds, functional groups and spectroscopic methods in the same row, wherever it is possible, preferably.

For example, 3,4-diaminobenzoic acid, *t*-butyl, ¹H-NMR etc.

Correct punctuation at some places.

Delete point from the title of the article, and also after CH bend, on page 4, after NH bend, on page 6. and in Tables Captions.

Check and adjust the spaces between headings, subheadings and paragraphs uniformly, and format the entire manuscript according to the style of the journal.

For example, move for one row subheadings 2.1.2., 2.1.12., 2.2.1., 2.2.4., and heading 3.

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 21, 2018

SIGNATURE OF REFEREE / DATE

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