

**MEDICINAL CHEMISTRY****Manuscript Evaluation Form**

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

<b>PAPER TITLE</b>	Synthesis and Evaluation of Novel Chromanone and Quinolinone Analogues of Uniflorol as Anti-Leishmanial Agents
<b>AUTHOR(S) NAME</b>	Tânia Cruz, Patrícia de Aguiar Amaral, Paula da Silva Cardoso, Ahmed Alsaffar, Patrick Farrell, Ana M. Tomás and James W. Barlow

**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			
<b>Overall the Paper is Rated:</b>	<b>(Excellent - 8----- Poor)</b> 10 9 <b>8</b> 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

X

**PAPER TYPE:** Research article

Review article

Letter article

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**Confidential Comments to the Editor (not for Transmission to Authors):****Comments for the Authors (continue on another sheet, if necessary):**

This manuscript describes the design and synthesis of a range of novel chromanone and quinolinone analogues of the natural product uniflorol, with the aim of improving activity against *Leishmania* while improving physicochemical properties. One quinolinone styryl derivative exhibited some inhibition of promastigotes forms of *L. Amazonensis*, which is important for further possible investigations and modifications of these compounds in order to increase the activity and spectrum of action.

The manuscript is within the scope of the journal and suitable for publication after some revision.

The English language has to be improved, check and correct typographical and grammatical errors.

The entire manuscript should be formatted according to the style of the journal.

Figure legends should be below figures and end with the point.

On page 25, move subheading Determination of IC<sub>50</sub> against *Leishmania* intracellular amastigotes for two rows

Some conclusions of this manuscript are given within the Discussion section. A short conclusion with the current and future development can also be added at the end of the manuscript.

**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 /November 28, 2018  
**SIGNATURE OF REFEREE / DATE**