



**SDI Review Form 1.6**

Journal Name:	<a href="#">International Journal of Biochemistry Research &amp; Review</a>
Manuscript Number:	Ms_IJBCRR_47038
Title of the Manuscript:	Isolation and characterization of bergapten from the root bark of Ficus exasperata (Vahl)
Type of the Article	Scientific research

**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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

**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	<p>The manuscript, in general, has a good scientific level, written in a straight and objective manner. NMR (<math>^1\text{H}</math> and <math>^{13}\text{C}</math>) and mass spectral data confirm the structure [although these literature data have not been presented in the present work for comparison purposes (incomplete citation in the text did not allow access to the literature)]. The data obtained in relation to biological activity are very interesting.</p> <p><b>Reviewer's comment</b> I am in agreement with the publication, made the small recommendations presented here.</p>	
<b>Minor</b> REVISION comments	<p>2.3. EXTRACTION AND ISOLATION</p> <ul style="list-style-type: none"> <li>- Line 45: 100% pet ether, 80% pet ether in EtOAc, 60% pet ether in EtOAc... <b>pet</b> ??? Suggestion: Remove the word <b>pet</b> or replace with a more appropriate one.</li> <li>- Line 49: ...mixture of EtOAc and MeOH in increasing concentration.</li> </ul> <p>Suggestion: ...mixture of EtOAc and MeOH in increasing <b>polarity</b>.</p> <ul style="list-style-type: none"> <li>- Line 49 - .12 fractions of... change to . <b>Twelve</b> fractions...</li> <li>- Line 52 - Fraction CLE4B (0.7 g) was reconstituted in chloroform... <b>reconstituted</b> ???</li> </ul> <p>or Fraction CLE4B (0.7 g) was <b>solubilized</b> in chloroform ?</p> <p>2.4. STRUCTURAL ELUCIDATION</p> <ul style="list-style-type: none"> <li>- Line 59: Proton (<math>^1\text{H}</math>, 500 MHz), carbon-13 (<math>^{13}\text{C}</math>, 101 MHz), and...<b>change to</b></li> </ul> <p>Proton (<math>^1\text{H}</math>, 500 MHz), carbon-13 (<math>^{13}\text{C}</math>, 101 MHz), and ...</p> <ul style="list-style-type: none"> <li>- Line 61: ... , with <math>^1\text{H}</math> and <math>^{13}\text{C}</math>... <b>change to</b> , ... with <math>^1\text{H}</math> and <math>^{13}\text{C}</math>...</li> </ul> <p>3. RESULTS AND DISCUSSION</p> <ul style="list-style-type: none"> <li>- Line 83: ... spectroscopically similar to previously reported bergapten structure by <b>Chunyan et al.(ref)</b>.</li> </ul>	<p>All corrections have been done as per the comments</p>



**SDI Review Form 1.6**

	<p>The bibliographic citation in the text is incomplete, even missing from the list of REFERENCES.</p> <p>Line 104: <b>Hypoglycemic activity of D-1</b>  Line 106 – 108: Upon administration of the standard drug metformin, and <b>D-1</b>, the most significant blood glucose reduction was observed for metformin and 10mg/Kg <b>D-1</b> at 60 min and 90 min relative to the control.  <b>The sentence (Line 106 – 108) is not clearly written; I suggest re-writing</b></p>	
<b>Optional/General</b> comments	<p>The work permitted to conclude that bergapten has high potential for the development of novel anti-diabetic agents.</p>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>Are there ethical issues in this manuscript?</b>	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	