



SDI Review Form 1.6

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Manuscript Number:	Ms_JPRI_38810
Title of the Manuscript:	ANTICONVULSANT POTENTIAL OF DICHLOROMETHANE EXTRACT OF Aspilia africana LEAF IN MICE
Type of the Article	Original Research Article

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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:

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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)
Compulsory REVISION comments	<p>Abstract The authors have used three different models of seizure stimulation. From the Abstract it is not clear on which (or all of them) model the effect was observed! It should be clearly mentioned. This information is more valuable than other details of Abstract (e.g. yield of extraction or Computer software Graph pad PRISM and etc)</p> <p>Section -Plant material and preparation of <i>Aspilia africana</i> extraction The authors are writing: "The mixture was filtered and the filtrate concentrated using a rotary evaporator at a maximum temperature of 45°C to obtain the crude extract of dichloromethane of <i>A. africana</i> leaf. Further drying of the extracts was carried out using the freeze-dryer to obtain powder extracts. The total dried extract obtained from the 2000 g powdered leaves of <i>A. africana</i> was 51.9 g given 2.6% w/w yield of dichloromethane. The semi-solid paste of the both extracts of the <i>A. africana</i> leaf was then respectively stored in the refrigerator at 4°C till needed for use".</p> <p>According to this statement - after rotary evaporator the extract was further dried with freeze-dryer and powder extract was obtained. How was this powder dissolved for i.p. injections? Then it is written that "semi-solid paste of both extracts" ! It is not clear what they mean under two extracts and if it was really 2 types of extracts which one was used in experiments?</p> <p>Section "Experimental animals" The authors state that " Twenty four (24) male mice weighed between 23 g and 30 g were obtained from the animal house of the Department of Pharmacology" But for each experimental model they have used 24 animals. Thus either they have obtained 3x24 =72 animals from the animal house or they have used in experiments already used animals, which is not adequate! It needs clarification</p> <p>What was the duration of observations? e.g. for PTZ induced convulsions?</p> <p>Figures The title of Fig.1 "Dichloromethane extraction of <i>A.africana</i> of STC showing graph of delayed onset animal seizure" is not correct! The units on Y axis should be clearly defined in the legend or on the graph? The same is for Fig.2 !</p> <p>Other comments: Was dichloromethane completely removed after drying? May it be would be better to include in experiments the groups treated with a low dose of dichloromethane!</p>	The reviewer's comment is noted, accepted and addressed
Minor REVISION comments		
Optional/General comments		