

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_82728
Title of the Manuscript:	Evaluation of Acute, Sub-chronic Oral Toxicity Studies and Anti-inflammatory Activity of Blumea mollis in Experimental Animals
Type of the Article	Original Research Article

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:

<https://www.journaljpri.com/index.php/JPRI/editorial-policy>

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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>1. Lack of ethical approval statement and approval number.</p> <p>2. Already several acute (Anti inflammatory and antipyretic) and sub-chronic studies (Hepatoprotective) are done with using this plant.</p> <ul style="list-style-type: none"> • Devi GB, Amutha K. Anti-Inflammatory and Anti-Pyretic Activities of Blumea mollis (D. Don) MERR. Research Journal of Pharmacognosy and Phytochemistry. 2011;3(1):14-6. • Suresh Kannan V, Sivakameswari S, Ramesh C, Venugopal K, Rama Devi R, Jyothi M. HEPATOPROTECTIVE ACTIVITY OF BLUMEA MOLLIS (D. DON) MERR. LEAVES. <p>Rationale for acute and sub-chronic oral toxicity study for the plant Blumea mollis?</p> <p>3. In Acute oral toxicity study, authors mentioned the presence of convulsion and behavioural alteration in table 2. But there is no finding in brain including organ weight, histo etc.</p> <p>4. In sub chronic study, authors should include the brain parameters at various doses.</p> <p>5. Include one chronic inflammatory model.</p> <p>6. Include number of animals used in acute, sub chronic and anti inflammatory activity.</p> <p>7. Include statistical analysis</p>	
Minor REVISION comments	<p>1. Introduction: Include introduction about plant (family, photochemical and traditional and current uses of the plant). Why author explained in detail about chronic inflammation?</p> <p>2. Materials: Include method of extraction and plant authentication number.</p> <p>3. Methodology: Mention the apparatus used to measure paw volume. Mention the chemicals used in anesthesia and euthanasia.</p> <p>4. Results: As per OECD guideline 3 animals should used. Authors include ANOVA for table.3,4,5,6,7, and 8 compared to control.</p> <p>5. Discussion: Include phytochemicals in the extract recently reported</p> <ul style="list-style-type: none"> • Subramaniyan S, Pathalam G, Antony S, Michael GP, Samuel R, Kedike B, Sekar A, Boovaragamurthy A, Osamu S, Mahmoud AH, Mohammed OB. Mosquitocidal effect of monoterpene ester and its acetyl derivative from Blumea mollis (D. Don) Merr against Culex quinquefasciatus (Diptera: Culicidae) and their insilico studies. Experimental Parasitology. 2021 Apr 1;223:108076. <p>Because anti inflammatory activity of aqueous extract of aerial part of Blumea mollis already reported. So need a clarification (difference in phytochemicals in aqueous and ethanolic extract).</p> <p>6. Include latest reference related to plant.</p>	
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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