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Can Tho University Journal of Science (CTUJS), ISSN 2615-9422, is an international double-blind peer-reviewed journal that publishes original and high quality research articles and review articles in multi-disciplines.

The aim of the Journal is to be a key source of research articles to provide scientific research results of Can Tho University in particular, and domestic and foreign scientific research projects in general, contributing to promoting scientific research and technology transfer.

The scopes of the Journal include, but not limited to, the following topic areas:

- 1. Natural Sciences, Technology and Environment;
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- 3. Social Sciences, Humanities and Education;
- 4. Economics and Law, etc.

The submitted papers have not been earlier published in any other journal and are not being considered for publication elsewhere.

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Resorcinol with its two hydroxyl groups was derivatized in laboratory to observe the anti-inflammatory potential in vitro. Subsequently, in silico docking analysis was done for observing the binding modes in cyclooxygenase enzyme to have idea about the subsequent possible developments. At the doses of 200 mg/mL and 400 mg/mL, the compounds showed the anti-inflammatory property. Among them, 1,3-phenylene bis(2-chloro-4-nitrobenzoate) also offered dose dependent 51% and 70% of inhibition of heat-induced hemolysis respectively. The scaffold thus poses as an interesting pharmacophore suitable for further development for managing the inflammatory disorders.

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