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**Synthesis and Evaluation of Analgesic and**

**Anti-inflammatory Activities of Most Active Free**

**Radical Scavenging Derivatives of Mangiferin**

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***Authors’ contributions***

*This work was carried out in collaboration between all authors. Author SM designed the*

*study, performed the statistical analysis, wrote the protocol, and wrote the first draft of the*

*manuscript and managed literature searches. Authors SB, SR, BST and VPV managed the*

*analyses of the study and literature searches. All authors read and approved the final*

*manuscript.*

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**ABSTRACT**

In the present study, structural modification of mangiferin was carried out for structure

activity relationship studies. One new compound and three known derivatives were\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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