



## Antinociceptive Activity of the Leaf Essential Oil of *Coleus aromaticus* Benth

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**SUMMARY.** The present study was undertaken to evaluate the possible antinociceptive effect of *Coleus aromaticus* Benth oil. The pain sensitivity was assessed by the acetic acid induced writhing and hotplate models in mice. The essential oil exhibited a significant reduction in acetic acid induced writhing response, a dose dependent increase in reaction time against thermal pain and a moderate motor impairment at analgesic doses and significant reduction in endurance time at higher dose on rotarod apparatus. These experimental results suggest that essential oil (250 and 500 mg/kg) produced analgesic effect in mice and may be a candidate for the development of pharmacological agents used in the pain management.

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**KEY WORDS:** Antinociception, *Coleus aromaticus* Benth., Essential oil, Writhing test, Hotplate Test.

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