

Analgesic and Antipyretic Activity of *Thunbergia laurifolia* Lindl. Extract

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Abstract : Ethnopharmacological relevance: *Thunbergia laurifolia* Lindl. belongs to the family Acanthaceae commonly known as Rang jeud in Thailand. This plant is traditionally used in Thailand for centuries as an antidote for several poisons and drug overdose. Aim of the study: This research aimed to study the analgesic and antipyretic activities of *T. laurifolia* water extract by using animal models. Materials and Methods: The analgesic activity was studied using 2 methods of pain induction including acetic acid and heat induced pain. And the antipyretic activity study was performed by yeast-induced hyperthermia. Results: The results showed that the administration of *T. laurifolia* extract possessed analgesic activity by reducing acetic acid-induced writhing response and heat-induced pain as well as showed antipyretic activity by decreasing body temperature of hyperthermic rats induced by brewer's yeast. Conclusion: The study indicates that the *T. laurifolia* extract possesses analgesic and antipyretic activities in animals.

Keywords : *Thunbergia laurifolia* extract, analgesic activity, antipyretic activity, hyperthermia

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