

Zahid Hosen SM, Das R, Rahim ZB, Chowdhury N, Paul L, Saha D. Study of Analgesic activity of the methanolic extract of *Acorus calamus* L. and *Oroxylum indicum* Vent by acetic acid induced writhing method. *Bull. Pharm. Res.* 2011;1(3):63-7.

Abstract: The present research was conducted to investigate the analgesic activity of methanol extracts of plants of *Acorus calamus* (Family: *Acoraceae*) and *Oroxylum indicum* (Family: *Bignoniaceae*). The analgesic activity of the methanolic extract of the *Acorus calamus* and *Oroxylum indicum* at the dose of 250 and 500 mg/kg body weight was evaluated against the standard drug - Diclofenac sodium, at a dose of 25 mg/kg body weight. Adult swiss albino mice of either sex of five numbers in each group, was undertaken for study and evaluated by acetic acid induced writhing method. The methanol extract of *Acorus calamus* inhibited writhing reflex by 30.77% and 39.86% at the dose of 250 and 500 mg/kg body weight, respectively while the methanolic extract of *Oroxylum indicum* inhibited writhing reflex by 26.22% and 36.36% at the dose of 250 and 500 mg/kg body weight. The methanolic extract of *Acorus calamus* was found to be more active than *Oroxylum indicum* as a pain killer.

Key words: *Acorus calamus*, *Oroxylum indicum*, Analgesic activity, Writhing reflex.

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