The anti inflammatory activity of benzene, alcohol and aqueous root extracts of Dalbergia spinosa Roxb were screened in male Wister rats by using carrageenan - induced rat paw oedema. Benzene, alcohol and aqueous root extracts at 75 mg/kg (oral) and 10 mg/kg of standard drug Indomethacin were used; alcoholic extracts were shown significant anti inflammatory activity in a dose dependant manner. The anti inflammatory effect of benzene, alcohol and aqueous root extracts were comparable to that of standard drug Indomethacin (10 mg/kg).