

Research Paper

HYPOLIPIDEMIC ACTIVITY OF METHANOLIC EXTRACT OF *BOMBEX CEIBA*

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This study was carried out to evaluate the hypolipidemic activity of ethanolic extracts of seeds of *Bombex Ceiba* in high fat diet induced hyperlipidemic rats. Ethanolic extracts of seeds of *Bombex Ceiba*, orally at the dose of 200 and 400 mg/kg, were given to high fat diet induced hyperlipidemic rats. After eight weeks of dosing, the possible antihyperlipidemic activity was assessed by investigating serum lipid levels. Atorvastatin (10mg/kg p.o.) was used as a standard drug. Results showed that aqueous extracts of *Bombex ceiba* causes a significant reduction in serum levels of total cholesterol (TC), triglycerides (TG), Low density lipoprotein cholesterol (LDL-C) and Very low density lipoprotein cholesterol (VLDL) and atherogenic index. The results also demonstrated a significant ($p \leq 0.0001$) increase in High density lipoprotein cholesterol (HDL-C).

KEYWORDS: *Bombex Ceiba*, hypolipidemic, high fat diet, atherosclerosis.

www.pharmaerudition.org Feb. 2022, 11(4), 51-62