

ON HIGH FAT INDUCED RAT

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ABSTRACT

The hypolipidemic activity of *Scleria Lithosperma* extract was studied on high fat diet induced models of hyperlipidemia in rats. Hyperlipidemic condition was observed in rats by an enhancement in the levels of Cholesterols, Triglycerides, LDL and VLDL. Hypolipidemic effect was seen with Methanolic extract by lowering the serum levels of biochemical parameters such as significant reduction in the level of serum Cholesterol, TG, LDL, VLDL and increase in HDL level which was similar to the standard drug Orlistat. Preliminary phytochemical analysis revealed the presence of phytoconstituents such as Steroids, Flavanoids, Saponins and Glycosides.

KEYWORDS: Hypolipidemic activity, High fat diet, Orlistat, *Scleria lithosperma*, Hyperlipidemia.

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