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Hepatoprotective activity of Herbadict tablet: An ayurvedic herb mineral product on alcohol-induced mortality and liver lesions in mice

The main objective is to study the possible protective effects of Herbadict tablet, a polyherbal ayurvedic product against alcohol-induced mortality and liver lesions in mice. Healthy female Swiss albino mice were divided into six groups containing 8 animals each. Herbadict tablet was suspended in 0.5% Carboxy Methyl Cellulose (CMC) and administered at two doses i.e., 30 mg/kg and 100 mg/kg body weight. Vehicle control, positive control and reference control (Silymarin) were used for comparison. Alcoholic intoxication was induced using ethanol. Treatment with Herbadict significantly ($p < 0.01$) decreased SGOT, SGPT and γ -GT at 100 mg/kg when compared to the vehicle treated alcohol intoxicated group. A dose dependent significant decrease in total bilirubin was observed at 30 and 100 mg/kg of Herbadict when compared to vehicle treated alcohol intoxicated group. Treatment with Herbadict at 30 and 100 mg/kg p.o. showed hepatoprotective effect against alcohol induced damage in mice model.

Biography

Badekila Sathyannarayana has completed his graduation in Ayurveda with BAMS degree and Post-graduation MD in Ayurveda Pharmaceutics from IPGT and RA, Jamnagar, Gujarat Ayurved University. He has published more than 30 research papers in national and international journals. He is a Reviewer for three international journals and is currently working as Principal, Medical Superintendent and Director, Research and Development at Muniyal Institute of Ayurveda Medical Sciences, Manipal.

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