

Phytochemical and Biological Evaluation of *Cassia tora*, L. Seeds

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Abstract

Abstract: In the present study the total and the defatted alcoholic extracts of seeds of *Cassia tora* Linn. (Leguminosae) were screened for hepatoprotective activity using adult Wister albino rats (120-170 g) as the experimental animals. Hepatic injury caused by carbon tetra chloride, was analyzed through estimation of AST, ALT, ALB and platelets in blood samples taken from the veins of orbital plexus of each animal as well as the histopathological examination of the liver. The effects of the extracts were comparable with standard hepatoprotective drug silymarin. On the other hand GC-MS analysis was performed on the fatty acid composition of the lipoidal fraction for the seeds. The separated fatty acids were converted to their methyl ester and then subjected to the analysis.

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