

Unexplored Anti-HCV Potential of Lichen rangiferinus: An in Vitro Study over Virus Cultures

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Abstract : Treatments against Hepatitis-C virus (HCV) are already available, but the current high cost of such treatments limit them to wealthy patients only. Hence our current study is aimed at the rectification of HCV infection by using Lichen rangiferinus (LRE) extract in in vitro cultures. Anti-HCV activity of the given extract was evaluated using the virus grown in cell culture (HCVcc). Two control inhibitors, erlotinib and telaprevir, were systematically included in each experiment. At the end of the incubation period, we evaluated cell viability and viral replication. The LRE inhibited the growth of HCV in a dose dependent manner.

Keywords : Erlotinib, Hepatitis C, Lichen rangiferinus, Telaprevir

Conference Title : ICPPCD 2017 : International Conference on Pharmacy Practice and Characterization of Drugs

Conference Location : Mumbai, India

Conference Dates : February 07-08, 2017