

Abstract

Animals venom have various effects that the best known is Anti-bacterial property. The bacterial resistance increase to conventional antibiotics can cause health problems and increase the patient's recovery process. That's why antimicrobial properties of diverse animals and purification of the venom's active peptides of interest to researchers in many countries in the world. In this study, the antibacterial effects by disk diffusion and MIC were measured viper snake venom complete. Then it was isolated by HPLC fractions of an effective antibacterial effect of different concentrations of purified fractions measured by the MIC and compared with the antibiotic tetracycline. Complete and purified venom fractions antibacterial effect on positive-gram and negative-gram groups include *Bacillus subtilis*, *Staphylococcus aureus*, *Escherichia coli* and *Salmonella typhimurium* were measured. The results showed that both absolute venom and purified fractions are significant effects against gram-positive and gram-negative bacteria.

Keywords: viper snake, venom, toxins, purification, anti-bacterial effects, HPLC



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Identification and purification of some peptides
viper snake venom and their antimicrobial effects

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