عنوان مقاله:

Research Article: Investigating biological characteristics of two jellyfish (Rhopilema nomadica and Chrysaora hysoscella) venoms on human fibroblast

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خلاصه مقاله:

This paper aims to investigate the biological and cytotoxic characteristics of venoms extracted from Rhopilema nomadica and Chrysaora hysoscella jellyfish collected from the Persian Gulf. The cytotoxic effect of the venoms is surveyed on human fibroblast skin cells (HU·Y) using the The MTT (Y-[Y,&dimethylthiazol-Y-yl]-Y,&diphenyl tetrazolium bromide) assay. Moreover, the protein molecular weight was determined and the toxicity test (LD&·) of venoms were explored on BALB/c mice. The R. nomadica venom possessed a higher protein concentration with the lowest molecular weight protein via SDS-PAGE (\Y\Cappa\Omega\Omega\Omega) along with more peaks obtained by HPLC. In addition, the results of both LD&· and MTT are affected by the venom characteristics. Besides, intravenously and intraperitoneally LDA· were \Y\S\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omega\Omeg

كلمات كليدى:

Bacterial viability rate, Bradford assay, Human fibroblast skin cells [HU·7], Jellyfish venom, MTT assay

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