

10th World Congress on **Pharmacology**

&

6th International Conference and Exhibition on

Advances in Chromatography & HPLC Techniques

August 02-03, 2018 | Barcelona, Spain

The determination of the anti-coagulant property of sulfated glycosaminoglycan from the cephalothorax of white leg shrimp (*Penaeus vannamei*) family: Penaeidae

Ong Arnold Vincent S, Cuadra Lea Mae Kathleen S, De Leon Andrea T, Guerra Coleen Grace L, Lucero Lemuel Caezar Ian A and Triviño Harold Dexter D
Centro Escolar University, Mendiola, Philippines

In this study, the anticoagulant property of sulfated glycosaminoglycan was evaluated using plasma recalcification test. Extraction of the sulfated glycosaminoglycan from the white leg shrimp was performed by defatting the sample with acetone. The defatted sample was treated with 0.4 M sodium sulfate and aluminium disulfate crystal to collect the supernatant. The supernatant was treated with 90% ethanol. The mixture was centrifuged using a refrigerated centrifuge at 8000 rpm for three minutes and the collected precipitate was washed using absolute ethanol. The sulfated glycosaminoglycan was tested using plasma recalcification test. The results in the said test showed that at 30 ug/mL was significant and at 60 ug/mL and 90 ug/mL were very significant. This showed that sulfated glycosaminoglycan from the white leg shrimp exhibited an anticoagulant property.

ongarnold14@yahoo.com