

论著

阻遏诱变剂镉在海洋生物中传递的物质及作用机理的研究(III) 海参提取液

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摘要 海参是我国民间食疗的重要补品,具健体壮阳之功效。海参皂甙(Holothurin) 是海参水提取物的主要成分。本文报道了海参水提取物在中国对虾(*Penaeus orientalis*) 体内具有阻遏诱变剂镉被对虾肌体吸收和积累的作用,经化学分析和遗传毒性分析均一致证明该提取物是诱变剂镉的有效阻遏剂或抑制剂,能有效地提高对虾机体抗毒性作用。

关键词 [海参提取液](#) [镉](#) [诱发剂](#) [中国对虾](#) [紫露草四分体微核分析](#)

STUDY OF THE PROHIBITOR AGAINST TRANSFER OF Cd²⁺ + —MUTAGEN IN MARINE ORGANISMS AND ITS MECHANISM III.SEA - CUCUMBER ABSTRACT

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Abstract Sea2cucumber is rich in nutrient s which has been considered by Chinese to be a nourishing sea2food. It has the efficacy in nourishing the kidney and strengthening the human body.Holothurin is the main constituent in sea2cucumber abstract with water. Present paper reports its activity of prohibiting Cd²⁺ +2mutagen to be absorbed and accumulated by the prawn body (*Penaeus orientalis*) and decreasing it s genotoxicity. All those were verified by chemical analysis with PRGP and mutagenic test with Trad2MCN.

Keywords [Sea2cucumber abstract](#) [Cadmium](#) [Mutagen](#) [Penaeus orientalis](#) [Trad2MCN test](#)

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