

论文

红鳍圆鲑鱼肝油的药用研究

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摘要:

红鳍圆鲑(Spheroides rubripes)盛产于我国沿海一带,其肝含油量高达52—67.05%,维生素A含量也较丰富(530—2535国际单位/克),但因其肝脏含有河豚毒素,过去其油仅作照明、制造肥皂等工业用。根据河豚毒素易溶于水,不溶于脂肪油,更易溶于热水,遇碱易破坏的特性制成甲种和乙种红鳍圆鲑鱼肝油,通过小白鼠、大白鼠的急性、亚急性毒性观察和对狗、小白鼠、大白鼠、青蛙的一般药理实验证明如此制成的鱼肝油无明显的毒性反应。

关键词:

The Medical Assays on Spheroides rubripes Liver Oil

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Abstract:

Spheroides rubripes is most commonly found along the sea coasts of China and it may also be found in Korea, Japan and Vietnam. It's liver contains oil from fifty-two to sixty-seven per cent by weight and the oil is very rich in Vitamin A (530—2535 Iu/Gm). Spheroides rubripes liver oil has been merely used for making soap and other industrial purposes, because it contains a commonly known toxin, called tetrodotoxin. However, the tetrodotoxin is completely soluble in water and is readily soluble in hot water and is hydrolyzed in alkaline solutions. Thus the oil can be prepared free from tetrodotoxin. In this study, the oil is proved to be nontoxic by a series of acute and subacute toxicity tests in mice and rats. Pharmacological studies of the oil in dogs, mice, rats, and frogs have been made and it is proved that there is no untoward symptoms and signs which indicate toxic reactions.

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