

论文

四种8-氨基喹啉衍生物抗利什曼原虫作用初步研究

瞿靖琦;管立人;高金桐

中国医学科学院寄生虫病研究所; 山东寄生虫病防治研究所

摘要:

四种8-氨基喹啉类衍生物中,(口派)啶嗪喹啉和伯氨喹啉无论对体内和体外黑热病原虫均具有良好的杀灭作用,而赫诺奇特和氧氮六环基喹啉则无显著效果。

关键词:

THE LEISHMANICIDAL EFFECTS OF FOUR 8-AMINOQUINOLINE DRUGS, A PRELIMINARY STUDY

Qu JING-QI GUAN LI-REN GAO JING-TONG

Abstract:

Four groups of hamsters infected with Leishmania donovani were treated with primaquine, 8-piperazinyl aminoquinoline, chinocide, and 8-morpholinyl aminoquinoline per os. The count of parasites in the smears of liver and spleen was made 3 clays after the completion of treatment for evaluating the therapeutic action. It was shown that 8-Fiperazinyl aminoquinoline had a high, and primaquine a low, therapeutic activity, while the other two compounds were ineffective. Various concentrations of 8-piperazinyl aminoquinoline anti primaquine in normal saline were used in vitro for determining the leishmanicidal effect on leptomonas of Leishmania donovani. It was found that the two derivatives exerted a complete killing effect in 48 hours at the concentrations of 1:4,000 and 1:6,000 respectively.

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