

论文

防治血吸虫病药物的研究 II. 2-巯基-1,3-硫氮茛及1,3-二氮茛衍生物的合成

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摘要:

合成2-(β-一二乙氨基乙巯基)-1,3-硫氮茛盐酸盐,2-(β-六氢吡啶基乙巯基)-1,3-硫氮茛盐酸盐,1-(β-二乙氨基乙基)-1,3-二氮茛双盐酸盐和1-(β-二乙氨基乙基)-1,3-二氮茛双盐酸盐四个化合物,经过对小白鼠进行日本血吸虫病的预防或治疗试验,证明没有作用。

关键词:

STUDIES ON ANTIBILHARIAL DRUGS— II .SYNTHESIS OF DERIVATIVES OF BENZOTHIAZOLE AND BENZIMIDAZOLE

LU CHI -JUNG HO KWANG-HI SHI CHI -MING YU LAN-KONG LO RU-SHIAU

Abstract:

2-Mercapto benzothiazole was dissolved in excess sodium hydroxide solution and condensed with β-diethylaminoethyl chloride and β-piperidinoethyl chloride hydrochloride respectively, the corresponding thioether was obtained. 2-Ethyl-1, 3-benzimidazole or 2-propyl-1, 3-benzimidazole was used to react with diethylaminoethyl chloride in toluene, with sodium amide as condensation agent, under nitrogen atmosphere. The corresponding substituted derivatives were obtained. These four compounds were tested for therapeutic effect on schistosomiasis japonica in mice. No prophylactic or curative effect were observed.

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