

论文

抗血吸虫病药物的研究——S-(5-硝基呋喃-2-甲酰)-缩氨基硫脲类及有关化合物的合成

陈世骢; 钱挹芬; 周德涵

中国医学科学院寄生虫病研究所, 上海

摘要:

本文报导S-(5-硝基呋喃-2-甲酰)-缩氨基硫脲类和S-(5-硝基呋喃-2-甲酰)-取代缩氨基硫脲类、次烷基基-双-[S-(5-硝基呋喃-2-甲酰)]-缩氨基硫脲和次苯基-双-[S-(5-硝基呋喃-2-甲酰)]-缩氨基硫脲类等31个化合物的合成。经日本血吸虫病动物筛选试验,发现S-(5-硝基呋喃-2-甲酰)丙酮-苄基取代缩氨基硫脲(IV)和S-(5-硝基呋喃-2-甲酰)-丁酮-缩氨基硫脲(XI)给二组病鼠治疗后检获虫数比对照组鼠有所减少。

关键词:

STUDIES ON ANTIBILHARZIAL DRUGS SYNTHESIS OF S-(5-NITRO-2-FUROYL)-THIOSEMICARBAZONES AND RELATED COMPOUNDS

CHEN SHIH-TSUNG; CH' IEN I-FENG AND CHOU TE-HAN

Abstract:

S-(5-nitro-2-furoyl)thiosemicarbazones and S-(5-nitro-2-furoyl)-substituted thiosemi-carbazones were prepared by reaction of 5-nitro-2-furoyl chloride with thiosemicarbazide or substituted thiosemicarbazides in dry acetone, or with thiosemicarbazones in dry tetrahydrofuran in the presence of sodium bicarbonate. Similarly, alkylene-bis-[S-(5-nitro-2-furoyl)]-thiosemicarbazones and phenylene-bis-[S-(5-nitro-2-furoyl)]-thiosemicarbazones were prepared by using two equivalent weight of 5-nitro-2-furoyl chloride. The resulted compounds were screened in mice against schistosomiasis japonica. The results indicated that two compounds, S-(5-nitro-2-furoyl)-acetone-benzyl-thiosemicarbazone (IV) and S-(5-nitro-2-furoyl)-butanone-thiosemicarbazone (XI), possessed some chemoprophylactic activity.

Keywords:

收稿日期 1964-09-25 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

参考文献:

本刊中的类似文章

文章评论 (请注意:本站实行文责自负, 请不要发表与学术无关的内容!评论内容不代表本站观点.)

扩展功能

本文信息

- Supporting info
- PDF (272KB)
- [HTML全文]
- 参考文献

服务与反馈

- 把本文推荐给朋友
- 加入我的书架
- 加入引用管理器
- 引用本文
- Email Alert
- 文章反馈
- 浏览反馈信息

本文关键词相关文章

本文作者相关文章

- 陈世骢
- 钱挹芬
- 周德涵

PubMed

- Article by
- Article by
- Article by

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
反馈标	<input type="text"/>	验证码	<input type="text"/> 3226

