

论文

顺铂壳聚糖微球的制备及特性研究

王亚敏;石庭森;蒲永林;朱建纲;赵延乐

军事医学科学院毒物药物研究所, 北京 100850; \*北京医科大学人民医院放射科, 北京 100844

摘要:

对顺铂壳聚糖微球的制备、载药量、大小及分布、形态及表面状态、体外释放及降解性进行了研究。微球用乳化-化学交联技术制备,平均粒径为74.80μm,顺铂含量为20.83%±0.36%。电镜扫描显示,微球球形圆整,表面粗糙。生理盐水中放置1h微球轻微溶胀,其体外释药符合一级方程,微球经<sup>60</sup>Co辐射灭菌达到无菌要求。犬肝动脉栓塞后一个月,病理切片可见栓塞区仍有壳聚糖微球存在。

关键词: 壳聚糖微球 顺铂

STUDIES ON PREPARATION AND CHARACTERISTICS OF CISPLATIN CHI TOSAN MICROSPHERES

YM Wang;TS Shi; YL Pu; JG Zhu and YL Zhao

Abstract:

In this paper, the preparation, drug content, size and size distribution, appearance and morphology, release characteristics *in vitro* and degradation characteristics of cisplatinchitosan microspheres (CDDPDAC-MS) were studied. CDDPDACMS were prepared by emulsion-crosalink technique. The CDDP-DAC-MS was shown to have rough spherical surface under scanningelectron microscopy. The average diameter of the microspheres was 74. 80 μm and CDDP content was20. 83%±0. 36%. CDDP-DAC-MS swelled slightly in saline after 1 h. Within the test period , therelease of CDDP from CDDP-DAC-MS in saline solution could be described by first-order equation.The microspheres were sterilized by <sup>60</sup>Co radiation. After 28 d of hepatic artery embolization withCDDP-DAC-MS in dogs, pathological photomicrograph showed that CDDP-DAC-MS could still beobserved.

Keywords: Cisplatin Chitosan microspheres

收稿日期 1995-03-15 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

- 1. 王亚敏;石庭森;蒲永林;朱建纲;赵延乐.顺铂壳聚糖微球犬肝动脉栓塞的研究[J]. 药学报, 1995,30(12): 891-895

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(401KB)
[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

- 壳聚糖微球
顺铂

本文作者相关文章

- 王亚敏
石庭森
蒲永林
朱建纲
赵延乐

PubMed

- Article by
Article by
Article by
Article by
Article by

反馈

邮箱地址

人			
反馈标题	<input type="text"/>	验证码	<input type="text" value="4468"/>