药学学报 1979, 14(8) 467-473 DOI: ISSN: CN:

本期目录 | 下期目录 | 过刊浏览 | 高级检索

[打印本页] [关闭]

论文

三尖杉酯碱对小鼠白血病L-1210细胞和正常骨髓干细胞的影响

樊亦军:韩锐

*广西医药研究所:中国医学科学院药物研究所,北京

摘要:

THE EFFECT OF HARRINGTONINE ON THE CELL CYCLE OF L-1210 CELLS AND THE BONE MARROW STEM CELLS IN MICE

Fan Ijun and Han Rui

Abstract:

By use of autoradiographic method the duration of the cell cycle of L-1210 leukemic cells and the effect of harringtonine on the cell cycle of the leukemic cells in mice were studied. The T_{C} of L-1210 cells on the

6th day after transplantation was 15.8 hours, and the T_S, T_{G1}, T_{G2}, T_M were 10.7, 2.0, 2.7, 0.4 hours, respectively.

Under the action of harringtonine the duration of S phase of the leukemic cells was prolonged and the mitotic index was lowered after 5 hours of the administration of the drug. The labelled index of the cell population and the average grain counts per cell by the ³H-TdR of the treated leukemic cells were lowered significantly. These results. suggest that the DNA synthesis was inhibited profoundly after the treatment with harringtonine. By means of the spleen colony assay technique the action of harringtonine on normal bone marrow stem cells was investigated. It was revealed that when the dosage of harringtonine was 1owet than 0.5 mg/kg no effect on the stem cells was found, whilea dosage dependent, effect on the survival rate of colony-forming unit in spleen was. noted when the dosage was. more than 0.5 mg/kg. It is

Keywords:

收稿日期 1978-08-15 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

文章评论(清注意: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(431KB)
- ▶ [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

- ▶ 樊亦军
- ▶韩锐

PubMed

- Article by
- Article by

反馈人	邮箱地址	
反馈标题	验证码	1484

Copyright 2008 by 药学学报