

论文

用四阶导数光谱法测定A-OT-Fu小鼠代谢物的血药浓度

张君仁;王唯红;庞华;程秀民;张传林

山东医科大学,济南250012

摘要:

本文采用四阶导数光谱测定了小鼠口服A-OT-Fu淀粉液后的主要代谢产物TFu和5-Fu的血药浓度—时间曲线。当TFu和5-Fu浓度为5~50μg/ml时,浓度与252nm和289 nm对零轴间的振幅有良好的线性关系。在本测试条件下TFu和5-Fu的回收率约95%以上,实验结果表明,TFu和5-Fu达到最高血药浓度的时间分别为1和2 h。

关键词: A-OT-Fu 四阶导数光谱

DETERMINATION OF TWO MAJOR METABOLITES OF A-OT-Fu IN MICE SERUM BY 4TH ORDER DERIVATIVE UV SPECTROPGOTOMETRY

JR Zhang; WH Wang. H Pang; XM Cheng and CL Zhang

Abstract:

A 4th order derivative UV spectrophotometric method was developed for the determination of two major metabolites (TFu and 5-Fu) of A-OT-Fu in mice serum following per os of 290 mg/kg of the drug. TF u and 5-Fu were extracted from mice serum by ethyl acetate The amplitudes of 252 and 289 nm for axle are linear with concentration of TFu and 5-Fu within the range of 5~50μg/ml. Under the given experimental condition the recovery of TFu and 5-Fu were over 95%. The maximum concentration of TFu and 5-Fu appeared at 1 h and 2 h respectively after administration.

Keywords: Four order derivative UV spectrophotometry A-OT-Fu

收稿日期 1989-09-23 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(222KB)
- [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

- A-OT-Fu
- 四阶导数光谱

本文作者相关文章

- 张君仁
- 王唯红
- 庞华
- 程秀民
- 张传林

PubMed

- Article by
- Article by
- Article by
- Article by
- Article by

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
-----	----------------------	------	----------------------

反
馈
标
题

验证码

2128