

论文

磷脂膜色谱与正辛醇/水系统亲脂性测量尺度的比较

孙进;程刚;何仲贵;王淑君

沈阳药科大学 药学院 生物药剂学研究室, 辽宁 沈阳 110016

摘要:

关键词: 磷脂膜色谱系统 正辛醇/水系统 亲脂性

Comparative study of lipophilicity from immobilized artificial chromatography and *n*-octanol/buffer systems

SUN Jin ; CHENG Gang; HE Zhong-gui; WANG Shu-jun

Abstract:

AimTo compare lipophilicity measuring scale stemmed from immobilized artificial membrane chromatography and *n*-octanol/buffer systems.MethodsA test set consisted of 27 structurally diverse compounds.The lipophilicity of these were evaluated by both immobilized artificial memberane chromatography (IAMC) and *n*-octanol/buffer systems, which were expressed as lg *k*IAM and lg *D*O/W, 7.4, respectively.Results With regard to each individual group, good correlation coefficient ( $r^2$ ) over 0.81 was obtained (0.82 for acid, 0.88 for neutral, 0.81 for base and 0.92 for ampholyte, respectively).However, a smaller  $r^2$  (0.62) was acquired for all compounds studied than that of each individual group.ConclusionIAMC and *n*-octanol/buffer systems were shown to be different in lipophilicity.

Keywords: *n*-octanol/buffer system lipophilicity immobilized artificial membrane chromatography

收稿日期 2002-10-17 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者: 孙进

作者简介:

参考文献:

本刊中的类似文章

1. 孙进;程刚;何仲贵;王淑君.磷脂膜色谱用于评价药物与有序磷脂膜的相互作用磷脂膜色谱用于评价药物与有序磷脂膜的相互作用[J]. 药学学报, 2003,38(9): 702-706

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(133KB)
- ▶ [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

- ▶ 磷脂膜色谱系统
- ▶ 正辛醇/水系统
- ▶ 亲脂性

本文作者相关文章

- ▶ 孙进
- ▶ 程刚
- ▶ 何仲贵
- ▶ 王淑君

PubMed

- ▶ Article by
- ▶ Article by
- ▶ Article by
- ▶ Article by

反  
馈  
人

邮箱地址

反  
馈  
标  
题

验证码

8357