

论文

生物碱的薄层层离

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摘要:

本文采用不含粘合剂的国产氧化铝板进行了20个常见生物碱的薄层层离,找出了分离的最合适的扩展剂以及影响分离的因素(氧化铝和扩展剂的pH)等条件.

关键词:

THIN LAYER CHROMATOGRAPHY OF ALKALOIDS

SHA SHIH-YEN AND CHANG YU-CHUNG

Abstract:

Twenty alkaloids have been studied by thin layer chromatography on non-bound aluminium oxide plate. With ether-methanol (98:2) as solvent, members of the same alkaloid group, such as Belladonna, Strychnos, Coptis, Opium, and Tea alkaloids were separated from one another, while Chinchona alkaloids were not. The factors (pH of aluminium oxide and solvents) which influence the separation have been investigated.

Keywords:

收稿日期 1965-02-25 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

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参考文献:

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