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## Application of Derivative Chromatography Method in Identification of Chromatographic Peak Purity and Quantitive Analysis

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The paper reported applications of first derivative chromatography in identification of GC and HPLC peak purity and quantitive analysis. It is found that severely overlapped peaks, which can hardly be validated by general method, can be identified by first derivative chromatography. This method also was successfully used in quantitive analysis, when the resolution of two adjcent chromatographic peaks is lower than 1.5. This method is simple, reliable and easy to operate.

**Key words** First derivative method: Peak purity

【 文摘 016】中药乌蔹莓的显微鉴定研究。曹沛琴,宋学华、基层中药杂志,1992,6(2):4

对乌蔹莓的组织构造等进行了进一步研究,发现其根茎、叶中的维管束数目及草酸钙簇晶等,从基部到顶部都有一个逐渐变化的规律,与文献报道不尽相同,为正确鉴定乌蔹莓提供了依据。

【 文摘 017】促渗剂对事后避孕药膜中左炔诺孕酮 透过离体小跟皮肤的作用. 平其能, 孙国庆, 陈 雷等. 中国医药工业杂志, 1993; 24(2):58 用 HPLC 研究了促渗剂在不同条件下对左炔诺孕酮(1)透过离体小鼠皮肤的作用。如离体皮肤以促渗剂预处理 4h,显示丙二醇、PVP-油酸对药物自饱和乙醇溶液透皮渗透有明显的促渗效果;油酸、月桂氮草酮和邻苯二甲酸二乙酯呈负效应。药物饱和水溶液中的丙二醇等水溶性促渗剂对(1)经未预处理的皮肤的渗透,则几无促渗作用。骨架型 EVA 左炔诺孕酮膜中加入油酸,也具有促渗作用,其它促渗剂的效果与预处理实验结果相似。