

论文
中药大黄的综合研究 III. 蒽醌衍生物在体液及组织中含量的测定法

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摘要:

本文初步报导了体液和組織中大黄蒽醌衍生物的簡便测定法. 一般平均回收率为98—101%, 唯粪中回收率稍低, 为95—98%, 检出限量为5微克. 实验也证明了蒽醌衍生物在血浆和血球中的分布相等.

关键词:

STUDIES ON CHINESE RHUBARB III. DETERMINATION OF ANTHRAQUINONE DERIVATIVES IN BODY FLUIDS AND TISSUES

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Abstract:

A method is proposed for the determination of anthraquinone derivatives in whole blood, plasma, urine, faeces and various organs or tissues. The anthraquinone derivatives in the sample is first extracted with alcohol-ether mixture and hydrolysed with acid. The free anthraquinone derivatives are then extracted successively with chloroform and alkalie. The alkaline solution is acidified and again extracted with chloroform. Evaporate the chloroform to dryness. Dissolve the residue with methyl alcohol. Add Mgacetate reagent to give a pink colour which is determined colorimetrically. The recovery of this method is practically complete. The anthraquinone derivatives are equally distributed between the plasma and red cells.

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